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OFFICIAL GAZETTE UNITED STATES PATENT OFFICE

NOV. & DEC. 1938

VOLS. 496 & 497

MICRO-PHOTO SERVICE
BUREAU
CLEVELAND 3, OHIO

OFFICIAL GAZETTE

OF THE

UNITED STATES PATENT OFFICE

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12-1

VOLUME 496

NOVEMBER

1938

UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1938

R608
U.S. Patent office (Interior dept)
v. 496
No. 1, 1938

FEB 28 '39

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(Decisions of the United States Court of Appeals for the District of Columbia are indicated by the letter (*); and of the United States Court of Customs and Patent Appeals by a star (*).]

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ERRATA

In the O. G. for September 20, 1938, Patent No. 2,130,367, page 523, second column, line 4 of the claim, strike out the words "threaded conductive sleeve within said" and insert instead the syllable and words *vide a first electrical contact means, an.*

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbate-Swift, Inc., New York, N. Y. Dresses. Serial No. 410,245; Nov. 1. Class 39.

Abell Chair and Novelty Mfg. Co. Inc., Brooklyn, N. Y. Children's toilet seat. Serial No. 407,453; Nov. 1. Class 13.

Allegheny Ludlum Steel Corporation. (See Ludlum Steel Co.)

American Brewing Co., of Rochester, N. Y. Inc., Rochester, N. Y. Beer. Serial No. 395,557; Nov. 1. Class 48.

American Butter Company, Kansas City, Mo. Feed for poultry and livestock. Serial No. 403,113; Nov. 1. Class 46.

American Chicle Company, Long Island City, N. Y. Chewing gum. Serial No. 409,723; Nov. 1. Class 46.

American Lace Paper Company, Milwaukee, Wis. Shelf paper. Serial No. 407,295; Nov. 1. Class 37.

American Machine and Foundry Company, New York, N. Y. Tobacco machinery and parts thereof. Serial No. 406,082; Nov. 1. Class 23.

An-Fo Manufacturing Co. (See Rosefield, J. B.)

Apruzzese, John, doing business as Mor-Life Co., Newark, N. J. Scalp medicine. Serial No. 404,427; Nov. 1. Class 6.

Arnold, Schwinn & Company, Chicago, Ill. Bicycles. Serial No. 396,062; Nov. 1. Class 19.

Baxter, Thomas A., Nottingham, England. Spirits measuring apparatus. Serial No. 405,545; Nov. 1. Class 26.

Bedell, Reginald H., doing business as The Slippette Manufacturing Company, Toronto, Ontario, Canada. Slippers and cases therefor. Serial No. 401,883; Nov. 1. Class 39.

Belmore Upholstery Shop Inc., New York, N. Y. Upholstered chairs, sofas, settees, and divans. Serial No. 410,167; Nov. 1. Class 32.

Ben-Bark, Inc., Boston, Mass. Whiskey. Serial No. 403,632; Nov. 1. Class 49.

Benz, George, Sons, Inc., St. Paul, Minn. Whiskey. Serial Nos. 409,758–9; Nov. 1. Class 49.

Beverages of America, Inc., Chicago, Ill. Concentrate for making non-alcoholic beverages. Serial No. 410,498; Nov. 1. Class 45.

Bischoff, Ernst, Company, Incorporated, Ivoryton, Conn. Diagnostic preparation for detection of human or animal tuberculosis. Serial No. 410,389; Nov. 1. Class 6.

Boepple Sportswear Mills, Inc., New York, N. Y. Ladies' knitted sweaters. Serial No. 409,826; Nov. 1. Class 39.

Bowser, S. F., & Company, Incorporated, Fort Wayne, Ind. Measuring, indicating, and recording apparatus. Serial No. 408,779; Nov. 1. Class 26.

Bridgester, Inc., New York, N. Y. Bridge Accessories. Serial No. 408,749; Nov. 1. Class 37.

Brown & Bigelow, St. Paul, Minn. Telephone index pads. Serial No. 409,556; Nov. 1. Class 37.

Browne, Herbert J., doing business as Ox-I-Stop Products Company, Atlanta, Ga. Wax polishing preparation. Serial No. 409,803; Nov. 1. Class 16.

Brunswig Drug Company, Los Angeles, Calif. Talcum powder and lotions used after shaving. Serial No. 409,801; Nov. 1. Class 6.

Brunswig Drug Company, Los Angeles, Calif. Shaving creams, shaving soap, and shaving soap bowls. Serial No. 409,802; Nov. 1. Class 4.

Burton-Dixie Corporation, Chicago, Ill. Mattresses, box-springs, studio-couches, etc. Serial No. 395,940; Nov. 1. Class 32.

Butterite Company, Barrington, Ill. Food product. Serial No. 410,390; Nov. 1. Class 46.

Carmac Co., Dallas, Tex. Children's dresses and sun suits. Serial No. 405,686; Nov. 1. Class 39.

Carq Co. (See Richter, Theodore A., assignor.)

Carter, Robert J. S., Minneapolis, Minn. Screens for use in machines for bolting, purifying, and sifting all kinds of ground products. Serial No. 404,980; Nov. 1. Class 23.

Cascardo, Anthony, doing business as Star of Italy Products Co., New York, N. Y. Olive oil. Serial No. 402,622; Nov. 1. Class 46.

Caxton Printers, Ltd., The, Caldwell, Idaho. Record books, printed letterheads, printed forms, etc. 407,658; Nov. 1. Class 37.

Century Engineering Corporation, Cedar Rapids, Iowa. Gas and oil burning furnaces and boilers. Serial Nos. 409,295–6; Nov. 1. Class 34.

Chrysler Corporation, Highland Park, Mich. Preparations for cleaning, polishing, and preserving metallic surfaces. Serial No. 402,965; Nov. 1. Class 16.

Cohn-Hall-Marx Co., New York, N. Y. Cotton, rayon, etc. piece goods. Serial No. 409,083; Nov. 1. Class 42.

Cohn-Hall-Marx Co., New York, N. Y. Cotton, rayon, etc. piece goods. Serial No. 410,289; Nov. 1. Class 42.

Collins & Aikman Corporation, Philadelphia, Pa., and New York, N. Y. Corduroy, velvet, and velveteen fabrics. Serial No. 410,171; Nov. 1. Class 42.

Color Glow Candle Co., Auburndale, Mass. Candles. Serial No. 410,249; Nov. 1. Class 15.

Continental Distilling Corporation, Philadelphia, Pa. Whiskey, gin, rum, etc. Serial No. 409,991; Nov. 1. Class 49.

Continental Mills, Inc., Philadelphia, Pa. Cloths of wool, jersey cloths, eiderdowns, etc. Serial No. 409,562; Nov. 1. Class 42.

Cottle-Wilson Laboratories. (See Wilson, Caliste V.)

Cover Lawn Seed Company. (See Goldberg, Benjamin S.)

Crompton Company, West Warwick, R. I. Textile fabrics. Serial No. 410,535; Nov. 1. Class 42.

Crompton Company, West Warwick, R. I. Textile fabrics. Serial No. 410,581; Nov. 1. Class 42.

Crompton Company, West Warwick, R. I. Textile fabrics. Serial No. 410,641; Nov. 1. Class 42.

Davert Incorporated, New York, N. Y. Desk lamps, table lamps, boudoir lamps, etc. Serial No. 408,234; Nov. 1. Class 21.

De Salvo, Ralph, New York, N. Y. Golf balls. Serial No. 410,538; Nov. 1. Class 22.

De Sanno, A. P., & Son, Inc., Philadelphia, Pa. Abrasive and grinding wheels. Serial No. 408,310; Nov. 1. Class 4.

Desoutter Brothers Limited, London, England. Portable drilling and screw-driving machines. Serial No. 405,151; Nov. 1. Class 23.

Desoutter Brothers Limited, London, England. Portable drilling and screw-driving machines. Serial No. 405,595; Nov. 1. Class 23.

Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Solders. Serial No. 409,387; Nov. 1. Class 14.

Dollar Brothers Shoe Company, Madisonville, Ky. Shoes and boots. Serial No. 398,277; Nov. 1. Class 39.

Donnelly & Du Bois, Pelham Manor, N. Y. Games played with dice and game pieces. Serial No. 410,777; Nov. 1. Class 22.

Drake, Vibert C., Oklahoma City, Okla. Mattresses. Serial No. 410,862; Nov. 1. Class 32.

Dunbar Glass Corporation, Dunbar, W. Va. Oven and other cooking glassware. Serial No. 409,021; Nov. 1. Class 33.

Dutch Novelty Shops. (See Van Tongeren, Chester.)

E-Z Mills, Inc., New York, N. Y. Underwear for men. Serial No. 409,565; Nov. 1. Class 39.

Elrose Manufacturing Corp., New York, N. Y. Ash trays, cigarette boxes, candy boxes, etc. Serial No. 405,598; Nov. 1. Class 28.

Embury Manufacturing Company, Warsaw, N. Y. Lanterns. Serial No. 410,460; Nov. 1. Class 34.

Enerson, Carrie, Canton, Ill. Herb medicine. Serial No. 407,967; Nov. 1. Class 6.

Eureka Hair Company. (See Furman, Evelyn E.)

Federated Neon Counsellors. (See Fryburg, Charles H.)

Feltman & Curme Shoe Stores Company, The, Chicago, Ill. Shoes. Serial Nos. 398,670–2; Nov. 1. Class 39.

Fieldston Shoe Corporation, New York, N. Y. Shoes. Serial No. 407,579; Nov. 1. Class 39.

Forst, Jacob, Packing Co., Inc., Kingston, N. Y. Foods and particularly bacon, bologna, etc. Serial No. 392,140; Nov. 1. Class 46.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. Serial No. 410,050; Nov. 1. Class 42.

Frost, H. L., and Higgins Co., Arlington, Mass. Tree cavity filling material. Serial No. 409,732; Nov. 1. Class 12.

Frost Sealed Products, Inc., Sumner, Wash. Frozen fruits, vegetables, and berries. Serial No. 406,127; Nov. 1. Class 46.

Fryburg, Charles H., doing business as Federated Neon Counsellors, Philadelphia, Pa. Plant equipment. Serial No. 401,250; Nov. 1. Class 23.

Furman, Evelyn E., doing business as Eureka Hair Company, Washington, D. C. Ointments for the hair. Serial No. 410,220; Nov. 1. Class 6.

G. B. & M. Electric Co., Inc., Indianapolis, Ind. Electric speed reminder signal for vehicles. Serial No. 409,195; Nov. 1. Class 21.

General Refractories Company, Philadelphia, Pa. Refractory products. Serial No. 408,794; Nov. 1. Class 12.

Giacomelli, John J., doing business as Mar-Ex Lab., Chicago, Ill. Solution used to relieve itching and burning caused by athlete's foot or ringworm. Serial No. 409,684; Nov. 1. Class 6.

Glover, Albert L., Long Beach, Calif. Laxative tablet, a tablet for stomach ailments, and a cold tablet. Serial No. 410,076; Nov. 1. Class 6.

Goldberg, Benjamin S., doing business as Cover Lawn Seed Company, Baltimore, Md. Lawn and field grass seeds. Serial No. 410,571; Nov. 1. Class 1.

Goldsmith Bros., New York, N. Y. Filing cards, filing guides, folders, etc. Serial No. 409,309; Nov. 1. Class 37.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Gottesman and Company, Incorporated, New York, N. Y. Wood pulp. Serial No. 410,393; Nov. 1. Class 1.

Gould Witch Hazel Company, Boston, Mass. Cosmetics. Serial No. 409,686; Nov. 1. Class 6.

Hanes, P. H., Knitting Company, Winston-Salem, N. C. Undergarments. Serial No. 401,435; Nov. 1. Class 39.

Hanlon & Goodman Co., Belleville, N. J. Brushes. Serial No. 407,984; Nov. 1. Class 29.

Harbor Pickle Company, Long Beach, Calif. Pickles. Serial No. 404,802; Nov. 1. Class 46.

Hart, Schaffner & Marx, Chicago, Ill. Suits, coats, overcoats, etc. Serial No. 410,178; Nov. 1. Class 39.

Haskins Brothers & Company, Sioux City, Iowa. Toilet soap. Serial No. 409,810; Nov. 1. Class 4.

Helburn Thompson Company, Salem, Mass. Leather. Serial No. 410,394; Nov. 1. Class 1.

Hermal Shoe Co., Everett, Mass. Shoes and slippers. Serial No. 409,127; Nov. 1. Class 39.

Hess & Rubin, Inc., New York, N. Y. Ladies' and misses' hats. Serial No. 400,970; Nov. 1. Class 39.

High Rock Ginger Ale Company, Baltimore, Md. Maltless beverages and extracts for same. Serial No. 408,102–3; Nov. 1. Class 45.

High Rock Ginger Ale Company, Baltimore, Md. Maltless beverages and extracts and syrups for making same. Serial No. 408,104; Nov. 1. Class 45.

High Rock Ginger Ale Company, Baltimore, Md. Maltless beverages and extracts for making same. Serial Nos. 408,107–8; Nov. 1. Class 45.

Horn & Hardart Baking Company, Philadelphia, Pa. Coffee, tea, cakes, etc. Serial No. 354,295; Nov. 1. Class 46.

Howard Hosiery Company, Sinking Spring, Pa. Ladies' hosiery. Serial Nos. 409,919–20; Nov. 1. Class 39.

Howell Company, The, New Orleans, La. Disinfectant antiseptic. Serial No. 410,032; Nov. 1. Class 6.

Hub Shoe Company, Boston, Mass. Women's shoes. Serial No. 407,499; Nov. 1. Class 39.

Hughes, Charles R., Wilmslow, England. Tobacco pipes and cigarette holders. Serial No. 410,542; Nov. 1. Class 8.

Illinois Tool Works, Chicago, Ill. Combined screw on lock washers. Serial Nos. 410,180–1; Nov. 1. Class 13.

Inecto, Inc., New York, N. Y. Hair coloring. Serial Nos. 395,579–80; Nov. 1. Class 6.

Insurance Publications, Inc., Des Moines, Iowa. Magazine. Serial No. 409,359; Nov. 1. Class 38.

International Parts Corp., Chicago, Ill. Mufflers for internal combustion engines and parts thereof. Serial No. 409,038; Nov. 1. Class 23.

International Telephone Development Corporation, New York, N. Y. Selenium rectifiers. Serial No. 408,245; Nov. 1. Class 21.

Instituto Ortopedico Rizzoli, Bologna, Italy. Apparatus for control of articulation of the knee in an artificial limb. Serial No. 404,900; Nov. 1. Class 44.

Karpen, S., & Bros., Chicago, Ill. Davenports, sofas, love seats, etc. Serial No. 378,570; Nov. 1. Class 32.

Kesler, Robert, New York, N. Y. Gold plated spoons. Serial No. 409,400; Nov. 1. Class 28.

Klass, Raymond N., Cedar Rapids, Iowa. Book series. Serial No. 409,361; Nov. 1. Class 38.

Kraus Bros. & Co. Inc., New York, N. Y. Whiskey. Serial No. 394,374; Nov. 1. Class 49.

Kress, S. H., and Company, New York, N. Y. Slide fasteners. Serial No. 410,589; Nov. 1. Class 13.

Lakeland Manufacturing Company, Sheboygan, Wis. Overcoats. Serial No. 409,924; Nov. 1. Class 39.

Levy, M. S., & Sons, Inc., Baltimore, Md. Men's hats. Serial No. 409,403; Nov. 1. Class 39.

Li & Fung, doing business as To-Yiu, Canton and Hongkong, China. Firecrackers and fireworks. Serial No. 409,416; Nov. 1. Class 9.

Lorraine Manufacturing Company, Pawtucket, R. I., and New York, N. Y. Fabrics. Serial No. 404,813; Nov. 1. Class 42.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections. Serial No. 410,400; Nov. 1. Class 46.

Ludlum Steel Co., Watervliet, N. Y., now by merger and change of name Allegheny Ludlum Steel Corporation. Composite ferrous metal sheets, strips, and tiles. Serial No. 403,458; Nov. 1. Class 12.

MacClatchie Manufacturing Company of California, Compton, Calif. Plug valves. Serial No. 410,039; Nov. 1. Class 13.

Mar-Ex Lab. (See Giacomelli, John J.)

Marx Brothers, Birmingham, Ala. Dried dates. Serial No. 402,810; Nov. 1. Class 46.

Merla Tool Company, Dallas, Tex. Oil well tools. Serial No. 398,914; Nov. 1. Class 23.

Monroe, Marjorie, doing business as M. Monroe Co., Chicago, Ill. Preparation for athlete's foot, acne, eczema, etc. Serial No. 409,582; Nov. 1. Class 6.

Mor-Life Co. (See Apruzzese, John.)

Morner, Adolf H., New York, N. Y. Insulating board and wall board. Serial No. 409,692; Nov. 1. Class 12.

Morrell, John, & Co., Ottumwa, Iowa. Cleansing preparations for dogs. Serial No. 409,482; Nov. 1. Class 4.

Motor Master Products Corporation, Chicago, Ill. Spark plugs. Serial No. 408,196; Nov. 1. Class 21.

Motor Master Products Corporation, Chicago, Ill. Spark plugs. Serial Nos. 408,198–9; Nov. 1. Class 21.

Moyer, Jessie W., doing business as The Violize Co., Chadron, Nebr. Preparation for providing a hard protective coating on the surface finish of automobiles, floor wax, etc. Serial No. 405,217; Nov. 1. Class 16.

Murray, Joseph I., St. Albans and New York, assignor to Sunglow Food Corporation, New York, N. Y. Fruit juices, fresh milk, cheese, etc. Serial No. 401,444; Nov. 1. Class 46.

Mutual Citrus Products Co., Inc., Anaheim, Calif. Fresh citrus fruits. Serial No. 410,300; Nov. 1. Class 46.

N. V. Organon, Oss, Netherlands. Pharmaceutical preparations. Serial No. 397,372; Nov. 1. Class 6.

N. V. Organon, Oss, Netherlands. Pharmaceutical preparations. Serial No. 397,374; Nov. 1. Class 6.

National Boiler Protector Co., Dayton, Ohio. Boiler seam protectors. Serial No. 409,848; Nov. 1. Class 34.

Newark Safety Council, Newark, N. J. Publication. Serial No. 408,177; Nov. 1. Class 38.

Northern Paper Mills, Green Bay, Wis. Dispensing cabinets for paper products. Serial No. 410,115; Nov. 1. Class 2.

Nyal Company, Detroit, Mich. Medicinal preparation. Serial No. 409,975; Nov. 1. Class 6.

Opperman, Clarence E., doing business as L. R. Opperman & Son, Birmingham, Ohio. Apple juice and apple cider. Serial No. 410,605; Nov. 1. Class 45.

Osco Motors Corporation, Philadelphia, Pa. Engine manifolds and parts therefor. Serial No. 407,322; Nov. 1. Class 23.

Ox-I-Stop Products Company. (See Browne, Herbert J.)

Panasuk, Alexander, Mason, Wis. Thistle eradicating liquid and powder. Serial No. 410,001; Nov. 1. Class 6.

Paris Manufacturing Co., Inc., Paris, Ill. Earth boring machines and parts thereof, etc. Serial No. 408,896; Nov. 1. Class 23.

Parker, Murray S., Uniontown, Ohio. Eggs. Serial No. 410,044; Nov. 1. Class 46.

Parker Rust Proof Company, Detroit, Mich. Steel sheets. Serial No. 408,130; Nov. 1. Class 14.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Cotton piece goods. Serial No. 410,552; Nov. 1. Class 42.

Pepe-Maisano Co., The, New Haven, Conn. Canned vegetables, canned fruit, canned fish, etc. Serial No. 406,600; Nov. 1. Class 46.

Pepperell Manufacturing Company, Boston, Mass. Rayon piece goods. Serial No. 410,239; Nov. 1. Class 42.

Pepperell Manufacturing Company, Boston, Mass. Textile fabrics, towels and toweling, coverlets, etc. Serial No. 410,534; Nov. 1. Class 42.

Phillips Petroleum Company, Bartlesville, Okla. Inner tubes for tires. Serial No. 410,921; Nov. 1. Class 35.

Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour. Serial No. 410,480; Nov. 1. Class 46.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Mirrors. Serial No. 408,474; Nov. 1. Class 32.

Pogee Products Co., San Francisco, Calif. Soft drinks. Serial No. 408,250; Nov. 1. Class 45.

Poole, Robert T., Candor and Troy, N. C. Fresh peaches. Serial No. 409,208. Class 46.

Powell, John, & Co., Inc., New York, N. Y. Insecticide. Serial No. 410,046; Nov. 1. Class 6.

Powell, John, & Co., Inc., New York, N. Y. Insect powder and plant stimulant. Serial No. 410,047; Nov. 1. Class 6.

Powell, Maurice F., doing business as Powell's Pharmaceutical Laboratories, Brooklyn, N. Y. Germicide, deodorant, and disinfectant. Serial No. 408,324; Nov. 1. Class 6.

RCA Manufacturing Company, Inc., Camden, N. J. Sound records for talking machines. Serial No. 401,618; Nov. 1. Class 36.

Raybestos-Manhattan, Inc., Passaic, N. J. Brake linings. Serial No. 407,639; Nov. 1. Class 35.

Red Bridge Book Cloth Company, Limited, The, Ainsworth, Bolton, England. Tracing cloth and tracing paper. Serial No. 410,521; Nov. 1. Class 37.

Rex Mineral Products, Inc., Chicago, Ill. Cleaning and washing compound. Serial No. 410,269; Nov. 1. Class 4.

Reynolds & Reynolds, Dallas, Tex. Chili sandwiches. Serial No. 405,271; Nov. 1. Class 46.

Richter, Theodore A., assignor to Carq Co., New York, N. Y. Hair tonic. Serial No. 403,962; Nov. 1. Class 6.

Rodgers, John M., Vallejo, Calif. Maltless beverages and sirups and extracts for making same. Serial No. 410,270; Nov. 1. Class 45.

Rosefield, J. B., doing business as An-Fo Manufacturing Co., Oakland, Calif. Cleanser. Serial No. 409,831; Nov. 1. Class 4.

Rosenblum Brothers Co., The, Youngstown, Ohio. Canned foods. Serial No. 388,605; Nov. 1. Class 46.

Rosenthal, A., & Son, Boston, Mass. Small leather cases or receptacles. Serial No. 409,174; Nov. 1. Class 3.

Rotol Airscrews Limited, Gloucester, England. Variable pitch airscrews, gears (variable), etc. Serial Nos. 407,741–2; Nov. 1. Class 23.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Ryan Converting Corporation, New York, N. Y. Piece goods of linen, cotton, etc. Serial No. 410,556; Nov. 1. Class 42.

Schwartz Bros. Cigar Co., Ephrata, Pa. Cigars. Serial No. 408,969; Nov. 1. Class 17.

Scovill Manufacturing Company, Waterbury, Conn. Garden hose couplings. Serial No. 410,284; Nov. 1. Class 13.

Shuron Optical Company, Inc., Geneva, N. Y. Frames and mountings for spectacles and eyeglasses. Serial No. 409,109; Nov. 1. Class 26.

Sillcrest Chemical Company. (See Silverberg, Abe.)

Silverberg, Abe, doing business as Sillcrest Chemical Company, Houston, Tex. Metal polish. Serial No. 410,440; Nov. 1. Class 4.

Simmons-Boardman Publishing Corporation, New York, N. Y. Section or department of a periodical. Serial No. 410,119; Nov. 1. Class 38.

Slippette Manufacturing Company, The. (See Bedell, Reginald H.)

Snapiton Frocks, Inc., New York, N. Y. Dresses. Serial No. 391,153; Nov. 1. Class 39.

Southern Quarrying Company, Elberton, Ga. Granite. Serial No. 409,143; Nov. 1. Class 1.

Sowa Laboratories, Inc., New York, N. Y. Compositions for cleaning, preserving, and polishing finished wooden surfaces. Serial No. 409,894; Nov. 1. Class 16.

Spiegel, Walter, New York, N. Y. Telephonic communicating equipment. Serial No. 406,992; Nov. 1. Class 21.

Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Gasoline, kerosene, lubricating oils, etc. Serial No. 405,420; Nov. 1. Class 15.

Stanley Home Products, Inc., Westfield, Mass. Brushes. Serial No. 408,252; Nov. 1. Class 29.

Star of Italy Products Co. (See Cascardo, Anthony.)

Steelco Stainless-Steel, Inc., Chicago, Ill. Base metal cooking hollowware. Serial No. 403,100; Nov. 1. Class 13.

Stewart-Warner Corporation, Chicago, Ill. Radio receiving sets. Serial Nos. 409,446–7; Nov. 1. Class 21.

Stylpark Hats, Inc., Camden, N. J. Men's and boys' hats. Serial No. 408,732; Nov. 1. Class 39.

Sun Dodger Auto Door Awnings, Oklahoma City, Okla. Auto awnings. Serial No. 406,105; Nov. 1. Class 19.

Sunglow Food Corporation. (See Murray, Joseph I., assignor.)

Table Rock Laboratories, Inc., Greenville, S. C. Preparation for rheumatism, arthritis, colds, etc. Serial No. 390,389; Nov. 1. Class 6.

Tampa Drug Company, Tampa, Fla. Liniment. Serial No. 409,070; Nov. 1. Class 6.

Testagar Laboratories, Inc., Detroit, Mich. Medicine. Serial No. 390,286; Nov. 1. Class 6.

Thacker, J. M., New York, N. Y. Magazine. Serial No. 400,620; Nov. 1. Class 38.

Thiriez, J., Pere & Fils & Cartier-Bresson, Societe a Responsabilite Limitee, Lille, France. Cotton thread. Serial No. 406,433; Nov. 1. Class 43.

Torrey, Thomas F., Lynchburg, Va. Spot remover. Serial No. 410,345; Nov. 1. Class 4.

Tourlaine Food Products, Inc., Chicago, Ill. Carbonated beverages, soft drinks, and flavorings and syrups. Serial No. 410,674; Nov. 1. Class 45.

Tower, A. J., Company, Boston, Mass. Rubber-coated garments. Serial No. 409,595; Nov. 1. Class 39.

To-Yiu. (See Li & Fung.)

Tri-Lutz Chemical Co. (See Trimble & Lutz Supply Co.)

Trimble & Lutz Supply Co., doing business as Tri-Lutz Chemical Co., Wheeling, W. Va. Soft soap. Serial No. 410,414; Nov. 1. Class 4.

Union Bag & Paper Corporation. Waterproof paper. Serial No. 409,333; Nov. 1. Class 12.

United States Glass Co., Tiffin, Ohio. Glass table ware and glass bar ware. Serial No. 409,853; Nov. 1. Class 33.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. Serial No. 410,100; Nov. 1. Class 6.

Valsts Elektrotechniskā Fabrika, Riga, Latvia. Cameras, photo enlarging apparatus, film developing apparatus, etc. Serial No. 406,837; Nov. 1. Class 26.

Van Tongeren, Chester, doing business as Dutch Novelty Shops, Holland, Mich. Novelty toy crates. Serial No. 406,840; Nov. 1. Class 22.

Van Tongeren, Chester, doing business as Dutch Novelty Shops, Holland, Mich. Novelty toy. Serial No. 406,841; Nov. 1. Class 22.

Vermillion, L. B., doing business as Vermillion Packing Company and Vermillion Avocado Company, Vista, Calif. Fresh avocados, fresh vegetables, fresh citrus fruits, etc. Serial No. 409,633; Nov. 1. Class 46.

Violize Co., The. (See Moyer, Jessie W.)

Wagner & Söhne, Naunhof near Leipzig, Germany. Table napkins, tablecloths, sheets, etc. Serial No. 409,662; Nov. 1. Class 42.

Wagner & Söhne, Naunhof near Leipzig, Germany. Yarn and thread. Serial No. 409,663; Nov. 1. Class 43.

Walker, Hiram, & Sons, Inc., Peoria, Ill. Whiskey. Serial No. 410,199; Nov. 1. Class 49.

Wallerstein Company, Inc., New York, N. Y. Materials used in dehairing and bating of skins and hides. Serial No. 408,481; Nov. 1. Class 6.

Walter, D. N. & E., & Co., San Francisco, Calif. Venetian blinds. Serial No. 410,809; Nov. 1. Class 32.

West Shore Wine & Liquor Co., Inc., New York, N. Y. Rum. Serial No. 402,040; Nov. 1. Class 49.

Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric regulators. Serial No. 409,222; Nov. 1. Class 21.

White, Haydn F., & Company, Cleveland, Ohio. Waterproofing compounds. Serial No. 409,223; Nov. 1. Class 16.

White, H. Kirk, and Company, Oconomowoc, Wis. Paints in paste form. Serial No. 408,331; Nov. 1. Class 16.

Wilson, Caliste V., doing business as Cottie-Wilson Laboratories, North Hollywood, Calif. Colloidal sulphur solution. Serial No. 408,223; Nov. 1. Class 6.

World Bottling Company, Ltd., New Orleans, La. Maltless beverages and syrups, extracts and flavors for making same. Serial No. 410,201; Nov. 1. Class 45.

Yankee Metal Products Corp., Norwalk, Conn. Vehicular accessories and replacement parts for same. Serial No. 409,336; Nov. 1. Class 19.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbate, Charles, Co., The, Chicago, Ill. Fresh apples. 361,901; Nov. 1. Class 46.

Achurch, William C., Charleston, S. C. News feature. 361,828; Nov. 1; Serial No. 407,046; published Aug. 23, 1938. Class 38.

Active International, Aberdeen, Wash., and Vancouver, British Columbia, Canada. Publication. 361,756; Nov. 1; Serial No. 401,009; published Aug. 23, 1938. Class 38.

Aktieselskap John Braadland Ltd., Stavanger, Norway. Canned fish. 361,735; Nov. 1; Serial No. 384,731; published June 8, 1937. Class 46.

Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Pots and pans. 361,762; Nov. 1; Serial No. 402,243; published Aug. 23, 1938. Class 13.

American Chemical Paint Company, Ambler, Pa. Preparations to stimulate the growth of plants and the germination of seeds. 361,881; Nov. 1; Serial No. 408,181; published Aug. 23, 1938. Class 10.

American Flour Corporation, New York, N. Y. Wheat flour. 361,814; Nov. 1; Serial No. 406,672; published Aug. 23, 1938. Class 46.

American-London Shrinkers Corp., New York, N. Y. Textile fabrics. 361,862; Nov. 1; Serial No. 407,785; published Aug. 23, 1938. Class 42.

American Photographic Publishing Co., Boston, Mass. Periodical. 361,842; Nov. 1; Serial No. 406,573; published Aug. 23, 1938. Class 38.

American Pop Corn Company, Sioux City, Iowa. Raw pop corn. 361,757; Nov. 1; Serial No. 401,012; published Feb. 8, 1938. Class 46.

American Radiator Company, New York, N. Y. Air compressors and circulating pumps. 361,759; Nov. 1; Serial No. 401,173; published Aug. 23, 1938. Class 23.

Angeles Shoe Polish Company, assignor to Angelus Shoe Polish Company Incorporated, Los Angeles, Calif. Shoe and heel dressing. 124,071; renewed Jan. 17, 1939.

Arisman, Benjamin J., doing business as Sentinel Alarm Company, Elkhart, Ind. Blank-cartridge firing burglar alarms. 361,770; Nov. 1; Serial No. 403,390; published Aug. 23, 1938. Class 9.

Arlington Packing Corporation, Arlington, Calif. Canned fruits, canned vegetables, and canned citrus juices. 361,858; Nov. 1; Serial No. 407,711; published Aug. 23, 1938. Class 46.

Arrowsmith Mfg. Co. Inc., New York, N. Y. Supports for the arches and other parts of the feet. 361,827; Nov. 1; Serial No. 406,954; published Aug. 23, 1938. Class 44.

Austin, Nichols & Co., Inc., Brooklyn, N. Y. Gin. 361,774; Nov. 1; Serial No. 403,897; published Aug. 23, 1938. Class 49.

Automatic Button Company, Muscatine, Iowa. Lenses for use in illuminated signs and the like. 361,775; Nov. 1; Serial No. 403,932; published Aug. 23, 1938. Class 34.

Badenoch, J. J., Co., Chicago, Ill., assignor to The Great Atlantic & Pacific Tea Company, New York, N. Y. Cattle food. 124,440; renewed Feb. 18, 1939.

Balata, Victor, & Textile Belting Co., Easton, Pa. Canvas-stitched belting. 124,491; renewed Feb. 18, 1939.

Barber-Colman Company, Rockford, Ill. Heating and ventilating grilles and registers. 361,750; Nov. 1; Serial No. 398,031; published Aug. 23, 1938. Class 34.

Barnes, John, Milwaukee, Wis. Gasoline, lubricating oils, and lubricating greases. 361,749; Nov. 1; Serial No. 397,468; published Jan. 4, 1938. Class 15.
Bartholomew, Harvey C., Los Angeles, Calif. Game of chance. 361,878; Nov. 1; Serial No. 408,150; published Aug. 23, 1938. Class 22.
Bastian-Morley Co., Inc., La Porte, Ind. Electric water supply heaters. 361,806; Nov. 1; Serial No. 406,044; published Aug. 23, 1938. Class 21.
Bausch & Lomb Optical Company, Rochester, N. Y. Goggles. 361,875; Nov. 1; Serial No. 407,973; published Aug. 23, 1938. Class 26.
Belle City Malleable Iron Company, Racine, Wis. Castings of ferrous metal. 361,870; Nov. 1; Serial No. 407,894; published Aug. 23, 1938. Class 14.
Belle City Malleable Iron Company, Racine, Wis. Castings of ferrous metal. 361,871; Nov. 1; Serial No. 407,896; published Aug. 23, 1938. Class 14.
Bird & Son, Inc., East Walpole, Mass. Floor covering. 361,879; Nov. 1; Serial No. 408,151; published Aug. 23, 1938. Class 20.
Birk Bros. Brewing Co., by change of name to Birk Bros. Brewing Co., Chicago, Ill. Malt beverage. 123,421; renewed Nov. 12, 1938.
Bon Marche, The. (See Allied Stores Corporation.)
Borden Company, The, New York, N. Y. Butter. 361,864; Nov. 1; Serial No. 407,847; published Aug. 23, 1938. Class 46.
Bouchard Ainé & Fils, Beaune, France. Brandy. 361,846; Nov. 1; Serial No. 407,522; published Aug. 23, 1938. Class 49.
Bourne, Alberta M., Glendora, Calif. Oranges, lemons, and avocados. 361,779; Nov. 1; Serial No. 404,392; published Aug. 23, 1938. Class 46.
Bowey's, Inc., Chicago, Ill. Chocolate syrup for food purposes and a powder for food purposes. 361,731 Nov. 1; Serial No. 374,112; published Aug. 23, 1938. Class 46.
Bro-Kade Wall Finish Co., Milwaukee, Wis. Paints, and varnishes. 361,811; Nov. 1; Serial No. 406,571; published Aug. 23, 1938. Class 16.
Brown Bomber Baking Company, Detroit, Mich. Bread. 361,788; Nov. 1; Serial No. 405,381; published Aug. 23, 1938. Class 46.
Brown & Kruger, Inc., New York, N. Y. Table napkins, towels, table cloths. 361,850; Nov. 1; Serial No. 407,619; published Aug. 23, 1938. Class 42.
Burndy Engineering Company, Inc., New York, N. Y. Electrical connectors. 361,761; Nov. 1; Serial No. 402,151; published Aug. 23, 1938. Class 21.
Burns, Frederick M. R., New York, N. Y. Board games. 361,755; Nov. 1; Serial No. 400,946; published Feb. 1, 1938. Class 22.
Carnegie, Dale, Institute of Effective Speaking and Human Relations, New York, N. Y. Periodical publications, printed books, and bulletins. 361,829; Nov. 1; Serial No. 407,053; published Aug. 23, 1938. Class 38.
Carnes, H. E., & Co., Inc., St. Paul, Minn. Whiskey. 361,890; Nov. 1; Serial No. 408,527; published Aug. 23, 1938. Class 49.
Carroll, C. Carlton, Troy, N. Y. Anagram puzzle. 361,797; Nov. 1; Serial No. 405,800; published Aug. 16, 1938. Class 38.
Castle, Donald H., New York, N. Y. Focusing devices for photographic enlargers. 361,915; Nov. 1. Class 26.
Causse Manufacturing & Importing Co., New York, N. Y. Candied lemon peel, candied citron peel, etc. 361,807; Nov. 1; Serial No. 406,117; published Aug. 23, 1938. Class 46.
Chicago Flexible Shaft Company, Chicago, Ill. Grinding and polishing wheels. 361,786; Nov. 1; Serial No. 405,013; published Aug. 23, 1938. Class 4.
Chicago Pneumatic Tool Company, Chicago, Ill., to Chicago Pneumatic Tool Company, New York, N. Y. Pneumatic riveting-hammers. 123,202; renewed Oct. 22, 1938.
Chimes Company, Chicago, Ill. Carbonated beverages and extracts. 361,758; Nov. 1; Serial No. 401,050; published Aug. 23, 1938. Class 45.
Clovermaid Products Co. (See Sioux Honey Association, Cooperative.)
Cohen, A., & Sons Corp., New York, N. Y. Electric food mixers, waffle irons, and coffee percolators. 361,796; Nov. 1; Serial No. 405,764; published Aug. 23, 1938. Class 21.
Cohen, Charles S., assignor to National Dental Company, Newark, N. J. Preparation for pyorrhea, for promotion and maintenance of tooth, gum, and mouth health. 123,103; renewed Oct. 15, 1938.
Colgate & Co., Jersey City, N. J., and New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Face-powders and cold-cream. 124,373; renewed Feb. 11, 1939.
Colton Razor Blade Company, Boston, Mass. Safety razor blades. 361,908–9; Nov. 1. Class 23.
Commercial Solvents Corporation, New York, N. Y. Dried fermented carbohydrate residue. 361,855; Nov. 1; Serial No. 407,662; published Aug. 23, 1938. Class 46.
Congoleum-Nairn Inc., Kearny, N. J. Felt base rugs and floor covering. 361,847; Nov. 1; Serial No. 407,538; published Aug. 9, 1938. Class 20.
Co-operative Fire Works. (See Giusti, Oscar J.)
Cosmic-Ray Enterprises. (See Parfet, Ray T.)
Deanut Company, The. (See Oser, Bernard L.)
Delta Sales Co. (See Kenyon, George D.)
Dettra, John C., & Company, Inc., by change of name to Dettra Flag Company, Inc., Oaks, Pa. Flags. 124,691; renewed Mar. 11, 1939.
Divel, Roy G., San Clemente, Calif. Closer for the lips of a corpse. 361,886; Nov. 1; Serial No. 408,421; published Aug. 23, 1938. Class 44.
Eadington Fruit Company, Fullerton, Calif. Fresh oranges. 361,746; Nov. 1; Serial No. 394,830; published Aug. 23, 1938. Class 46.
Electric Household Utilities Corporation, Chicago, Ill. Clothes dryer. 361,760; Nov. 1; Serial No. 401,208; published Aug. 16, 1938. Class 24.
Enterprise Butcher Supply Co., Inc., Dallas, Tex. Spices. 361,771; Nov. 1; Serial No. 403,546; published Aug. 23, 1938. Class 46.
Erio Products, Inc., Muncie, Ind. Soap flakes, soap chips, and washing powders. 361,865; Nov. 1; Serial No. 407,855; published Aug. 23, 1938. Class 4.
Executone, Inc., New York, N. Y. Amplified-voice type of inter-communicating equipment. 361,920; Nov. 1. Class 21.
F. & M. Importing Co. Inc., also doing business as Santa Monica Importing Co., Los Angeles, Calif. Canned fruits, canned vegetables, canned berries, etc. 361,809; Nov. 1; Serial No. 406,332; published Aug. 23, 1938. Class 46.
Federal Bearings Co. Inc., The, Fairview, Poughkeepsie, to The Federal Bearings Co., Inc., Poughkeepsie, N. Y. Antifriction-bearings. 122,790; renewed Sept. 17, 1938.
Ferguson, H. H., doing business as The National Polish Co., Van Wert, Ohio. Polishing compounds, prepared liquid wax, etc. 361,916; Nov. 1. Class 16.
Fishermen's Tuna Packing Company. (See Point Loma Tuna Packers, Inc., assignor.)
Fishing Gazette Publishing Corp., New York, N. Y. Periodical. 361,782; Nov. 1; Serial No. 404,639; published Aug. 16, 1938. Class 38.
Florists' Publishing Company, Chicago, Ill. Publication. 361,851; Nov. 1; Serial No. 407,632; published Aug. 23, 1938. Class 38.
Gaba, A. G., Basel, Switzerland. Purgatives. 122,964; renewed Oct. 1, 1938.
Gellman Manufacturing Company, Rock Island, Ill. Combined thermometer, table and cabinet. 361,866; Nov. 1; Serial No. 407,858; published Aug. 23, 1938. Class 44.
General Cable Corporation, New York, N. Y. Insulated electrical wires and cables. 361,783; Nov. 1; Serial No. 404,705; published Aug. 23, 1938. Class 21.
General Fireproofing Co., The, Youngstown, Ohio. Card filing cabinets. 361,895; Nov. 1; Serial No. 408,570; published Aug. 23, 1938. Class 32.
General Register Corporation, New York, N. Y. Adding machines. 361,767; Nov. 1; Serial No. 402,857; published Aug. 23, 1938. Class 26.
General Tire & Rubber Company, The, Akron, Ohio. Radio receiving sets. 361,733; Nov. 1; Serial No. 380,561; published Aug. 23, 1938. Class 21.
Ghirardelli, D., Co., San Francisco, Calif. Chocolate powder preparation. 361,903; Nov. 1. Class 46.
Gilbert, William A., Milwaukee, Wis. Permanent wave pads. 361,889; Nov. 1; Serial No. 408,498; published Aug. 23, 1938. Class 44.
Gimbel Brothers, Inc., New York, N. Y. Whiskey. 361,764; Nov. 1; Serial No. 402,520; published Aug. 23, 1938. Class 49.
Giusti, Oscar J., doing business as Co-operative Fire Works, Daly City, Calif. Firecrackers, flash bombs, torpedoes, and fireworks. 361,816; Nov. 1; Serial No. 406,758; published Aug. 16, 1938. Class 9.
Goldsmith Bros., New York, N. Y. Wire clips for stationery purposes. 361,921; Nov. 1. Class 37.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Woolen automobile robes. 361,752; Nov. 1; Serial No. 398,678; published Jan. 4, 1938. Class 42.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Storage batteries. 361,859; Nov. 1; Serial No. 407,750; published Aug. 23, 1938. Class 21.
Gopher State Canneries, Inc., Le Sueur, Minn. Canned peas. 361,744; Nov. 1; Serial No. 394,705; published Aug. 23, 1938. Class 46.
Goyescas Corp., New York, N. Y. Soap. 361,777; Nov. 1; Serial No. 404,310; published Aug. 23, 1938. Class 4.
Great Atlantic & Pacific Tea Company. (See Badenoch, J. J., Co., assignor.)
Greco Canning Company, Inc., San Jose, Calif. Canned vegetables. 361,906; Nov. 1. Class 46.
Greenwald, Henry C., Madison, Wis. Lubricating oil compound. 361,848; Nov. 1; Serial No. 407,542; published Aug. 16, 1938. Class 15.
Haines, Jones & Cadbury Co., assignor to Hajoca Corporation, Philadelphia, Pa. Plumbing fixtures and supplies. 123,593; renewed Nov. 19, 1938.
Hajoca Corporation. (See Haines, Jones & Cadbury Co., assignor.)
Hall Planetary Company, The, Philadelphia, Pa. Milling machines and parts thereof. 361,798; Nov. 1; Serial No. 405,809; published Aug. 23, 1938. Class 23.
Hamilton Tool Company, The, Hamilton, Ohio. Tools, dies, drills, etc. 361,772; Nov. 1; Serial No. 403,685; published Aug. 23, 1938. Class 28.
Hamilton Tool Company, The, Hamilton, Ohio. Portable elevator tables and the like. 361,817; Nov. 1; Serial No. 406,760; published Aug. 23, 1938. Class 23.

Hatch Dairy, Inc., The, Danbury, Conn. Milk, ice cream, and candy. 361,738; Nov. 1; Serial No. 391,574; published Aug. 23, 1938. Class 46.
Hauptmann, Peter, Tobacco Company, also doing business as Peter Hauptmann Co., St. Louis, Mo. Gin and whisky. 361,896; Nov. 1; Serial No. 408,571; published Aug. 23, 1938. Class 49.
Hearn Department Stores, Inc., New York, N. Y. Wines. 361,780; Nov. 1; Serial No. 404,408; published Aug. 23, 1936. Class 47.
Heer, Walter F., doing business as The tHunter Trader Trapper Co., Columbus, Ohio. Publication. 361,800; Nov. 1; Serial No. 405,877; published Aug. 16, 1938. Class 38.
Heer, Walter F., doing business as The Hunter Trader Trapper Co., Columbus, Ohio. Publication. 361,849; Nov. 1; Serial No. 407,544; published Aug. 16, 1938. Class 38.
Hercules Powder Company, Wilmington, Del. Synthetic resinous material. 361,844; Nov. 1; Serial No. 407,463; published Aug. 23, 1938. Class 5.
Heywood Brothers and Wakefield Company, assignor to Heywood-Wakefield Company, Gardner, Mass. Baby-carriages and go-carts. 124,385; renewed Feb. 11, 1939.
Holsten-Brauerei, Altona, Germany. Beer. 361,784; Nov. 1; Serial No. 404,713; published Aug. 23, 1938. Class 48.
Hudson, J. L., Company, The, Detroit, Mich. Band and orchestra musical instruments. 361,841; Nov. 1; Serial No. 407,434; published Aug. 23, 1938. Class 36.
Hunter Trader Trapper Co., The. (See Heer, Walter F.)
Intava Limited, London, England. Lubricating oils. 361,741; Nov. 1; Serial No. 393,282; published July 20, 1937. Class 15.
Intava Limited, London, England. Lubricating oils, greases and gasoline. 361,768; Nov. 1; Serial No. 403,084; published Apr. 26, 1938. Class 15.
International Lubricant Corporation, New Orleans, La. Petroleum products. 361,743; Nov. 1; Serial No. 393,957; published Aug. 16, 1938. Class 15.
International Paper Box Machine Company, The, Nashua, N. H. Folding box gluing machinery etc. 361,867; Nov. 1; Serial No. 407,861; published Aug. 23, 1938. Class 23.
Jackson Electrical Instrument Company, The, Dayton, Ohio. Tube testers and radio testing instruments. 361,745; Nov. 1; Serial No. 394,711; published Aug. 23, 1938. Class 26.
Jackson-Wheeler Metals Service, Inc., Brooklyn, N. Y. Bearing alloys, babbitt metals, and white-metal alloys. 361,898; Nov. 1; Serial No. 408,646; published Aug. 23, 1938. Class 14.
Jacob, Louis L., Inc., Orlando, Fla. Fresh citrus fruits. 361,789; Nov. 1; Serial No. 405,390; published Aug. 23, 1938. Class 46.
Jacobs Candy Company Limited, assignor to Jacobs Candy Company, Inc., New Orleans, La. Candy. 122,975; renewed Oct. 1, 1938.
Jensen, Oliver O., New York, N. Y. Card and board game. 361,872; Nov. 1; Serial No. 407,906; published Aug. 23, 1938. Class 22.
Jones, John L., Boulder, Colo. Apparatus for vaporizing a volatile medicinal solution into the nasal passages and sinus. 361,740; Nov. 1; Serial No. 393,249; published Aug. 23, 1938. Class 44.
Kadin Bros. Incorporated, New York, N. Y. Ladies' handbags and pocketbooks. 361,842; Nov. 1; Serial No. 407,435; published Aug. 23, 1938. Class 3.
Kemp, E. F., Inc., Somerville, Mass. Mixture of popcorn, puffed wheat, and puffed rice with a liquid cheese preparation spread thereon. 361,874; Nov. 1; Serial No. 407,949; published Aug. 23, 1938. Class 46.
Kenyon, George D., doing business as Delta Sales Co., Delta, Pa. Seed corn. 361,818; Nov. 1; Serial No. 406,762; published Aug. 30, 1938. Class 1.
Keystone Grocery Distributing Co. of Pittsburgh, Inc., The, Pittsburgh, Pa. Salad oil. 361,830; Nov. 1; Serial No. 407,065; published Aug. 23, 1938. Class 46.
King Kone Corporation, New York, N. Y. Crackers. 361,799; Nov. 1; Serial No. 405,815; published Aug. 23, 1938. Class 46.
Kleinert, I. B., Rubber Company, New York, N. Y. Rubber chin reducers. 361,899; Nov. 1; Serial No. 408,648; published Aug. 23, 1938. Class 44.
Knapp-Monarch Company, St. Louis, Mo. Dry shavers. 361,919; Nov. 1. Class 23.
Knickerbocker Decalcomania, Inc., New York, N. Y. Decalcomanias. 361,838; Nov. 1; Serial No. 407,317; published Aug. 16, 1938. Class 38.
Laucks, I. F., Inc., Seattle, Wash. Glue. 361,880; Nov. 1; Serial No. 408,162; published Aug. 23, 1938. Class 5.
Laundry Age Publishing Company, New York, N. Y. Magazine section. 361,790–2; Nov. 1; Serial Nos. 405,446–8; published Aug. 23, 1938. Class 38.
Life Savers Corporation, Port Chester, N. Y. Candy. 361,765; Nov. 1; Serial No. 402,568; published Aug. 23, 1938. Class 46.
Linn Camera Shop Inc., Lansing, Mich. Photographic prints. 361,810; Nov. 1; Serial No. 406,516; published Aug. 23, 1938. Class 38.
Lynn, J. J., doing business as Lynn Citrus Groves, Pharr, Tex. Fresh citrus fruits. 361,912; Nov. 1. Class 46.
MacGregor Company, The, Dayton, Ohio. Golf clubs and parts thereof. 361,868; Nov. 1; Serial No. 407,872; published Aug. 23, 1938. Class 22.
MacGregor Company, The, Dayton, Ohio. Golf clubs and parts thereof, golf balls, etc. 361,869; Nov. 1; Serial No. 407,873; published Aug. 23, 1938. Class 22.
Macy, R. H., & Co., Inc., New York, N. Y. Bed spreads, blanket covers, window curtains, etc. 361,824; Nov. 1; Serial No. 406,815; published Aug. 23, 1938. Class 42.
Madison & Son, Great Falls, Mont. Dance floor wax. 361,832; Nov. 1; Serial No. 407,152; published Aug. 23, 1938. Class 16.
Marshall Field & Company, Chicago, Ill. Wool-batting. 122,895; renewed Sept. 24, 1938.
Marshall-Wells Company, Duluth, Minn. Skees, ski-bindings, push sticks, etc. 124,121; renewed Jan. 14, 1939.
Martha Washington Candles Company, Chicago, Ill. Candles. 361,861 Nov. 1; Serial No. 407,777; published Aug. 23, 1938. Class 46.
May Oil Burner Corporation, Baltimore, Md. Oil burners, oil filters for oil burners, etc. 361,734; Nov. 1; Serial No. 391,843; published Aug. 17, 1937. Class 34.
Menasha Products Company, Menasha, Wis. Paper receptacles. 361,831; Nov. 1; Serial No. 407,069; published Aug. 16, 1938. Class 2.
Mercantile Importing Corporation, New Bedford, Mass. Salted codfish. 361,913; Nov. 1. Class 46.
Meredith Publishing Company, Des Moines, Iowa. Printed sheets of special information. 361,795; Nov. 1; Serial No. 405,702; published Aug. 23, 1938. Class 38.
Merriam, G. & C., Company, Springfield, Mass. Books, particularly dictionaries. 361,803; Nov. 1; Serial No. 405,997; published Aug. 23, 1938. Class 38.
Merriam, G. & C., Company, Springfield, Mass. Books, particularly dictionaries. 361,804; Nov. 1; Serial No. 405,999; published Aug. 23, 1938. Class 38.
Midland Cooperative Dairy Association, Shawano, Wis., and New York, N. Y. Canned evaporated milk. 361,819; Nov. 1; Serial No. 406,764; published Aug. 23, 1938. Class 46.
Miller, Mildred N., doing business as Mildred Miller's Gift Shop, Lexington, Va. Dolls. 361,900; Nov. 1; Serial No. 408,654; published Aug. 23, 1938. Class 22.
Minnesota Macaroni Company, St. Paul, Minn. Macaroni. 361,787; Nov. 1; Serial No. 405,077; published Aug. 23, 1938. Class 46.
Mobile Daily Newspapers, Inc., Mobile, Ala. Newspaper. 361,820; Nov. 1; Serial No. 406,768; published Aug. 23, 1938. Class 38.
Mobile Daily Newspapers, Inc., Mobile, Ala. Newspapers. 361,821; Nov. 1; Serial No. 406,769; published Aug. 23, 1938. Class 38.
Molié Company, The, Bedford, Ohio. Safety razor blades. 361,835; Nov. 1; Serial No. 407,178; published Aug. 23, 1938. Class 23.
Moore, Carl E., Cleveland, Ohio. Machine which produces color plates used on lithograph presses. 361,826; Nov. 1; Serial No. 406,896; published Aug. 23, 1938. Class 26.
Mundial Corporation, Philadelphia, Pa. Binder twine. 361,852–3; Nov. 1; Serial Nos. 407,636–7; published Aug. 16, 1938. Class 7.
National Dental Company. (See Cohen, Charles S., assignor.)
National Enameling and Stamping Company, Milwaukee, Wis. Kitchen sets. 361,753; Nov. 1; Serial No. 399,456; published Feb. 15, 1938. Class 2.
National Polish Co., The. (See Ferguson, H. H.).
Nelson Brothers Company, Saginaw, Mich. Internal-combuston engines. 121,930; renewed June 11, 1938.
New York Toy & Game Manufacturing Co. (See Rubin, Louis.)
Northam Warren Corporation, New York, N. Y. Emery-boards, nail-files, etc. 124,134; renewed Jan. 14, 1939.
Nulomoline Company, The, New York, N. Y. Sugar-syrups. 122,983; renewed Oct. 1, 1938.
O. K. Foods, Inc., La Grange, Ill. Sandwich filling. 361,833; Nov. 1; Serial No. 407,156; published Aug. 23, 1938. Class 46.
Oak Rubber Company, The, Ravenna, Ohio. Toy rubber balloons. 361,884; Nov. 1; Serial No. 408,265; published Aug. 23, 1938. Class 22.
Ohio Oil Co., The, Findlay, Ohio. Lubricating oils and greases. 361,794; Nov. 1; Serial No. 405,565; published Aug. 23, 1938. Class 15.
Oil Well Manufacturing Corporation, Los Angeles, Calif. Slush pump valves, slush pump valve seat pullers, etc. 361,736–7; Nov. 1; Serial Nos. 389,565–6; published Aug. 17, 1937. Class 23.
Oser, Bernard L., doing business as The Deanut Company, New York, N. Y. Flavored spread. 361,766; Nov. 1; Serial No. 402,691; published Aug. 23, 1938. Class 46.
Paints, varnishes, and lacquers. Norfolk Paint & Varnish Company. 361,905; Nov. 1. Class 16.

Parfet, Ray T., doing business as Cosmic-Ray Enterprises, Kalamazoo, Mich. Motor oil. 361,836; Nov. 1; Serial No. 407,243; published Aug. 16, 1938. Class 15.
Peerless Kid Company, Camden, N. J. Leather. 361,911; Nov. 1. Class 1.
Perfect Circle Company, The, Hagerstown, Ind. Metal piston rings. 361,891; Nov. 1; Serial No. 408,545; published Aug. 23, 1938. Class 35.
Phillips Process Inc., Rochester, N. Y. Carbon paper sheets and ink pads. 361,769; Nov. 1; Serial No. 403,145; published Aug. 23, 1938. Class 11.
Pilley, Frank, & Sons, Inc., Omaha, Nebr. Eggs, dressed poultry, ice cream, etc. 361,754; Nov. 1; Serial No. 400,354; published Aug. 16, 1938. Class 46.
Point Loma Tuna Packers, Inc., assignor to Fishermen's Tuna Packing Company, San Diego, Calif. Canned fish. 361,910; Nov. 1. Class 46.
Reid, Robert A., David City, Nebr. Maltless beverages and sirups and extracts for making the same. 361,887; Nov. 1; Serial No. 408,438; published Aug. 23, 1938. Class 45.
Rheingold Cheese Company, Chicago, Ill. Cheese. 361,856; Nov. 1; Serial No. 407,688; published Aug. 23, 1938. Class 46.
Robinson, Joseph, New York, N. Y. Vaporizers. 361,897; Nov. 1; Serial No. 408,577; published Aug. 23, 1938. Class 44.
Romer, Frank, Washington, D. C. Special featured column. 361,805; Nov. 1; Serial No. 406,030; published Aug. 16, 1938. Class 38.
Rosenblum, Samuel, Brooklyn, to Samuel Rosenblum, New York, N. Y. Fruits and vegetables. 124,881; renewed Mar. 18, 1939.
Rubbercraft Corporation of California, Ltd., Los Angeles, Calif. Exercisers. 361,892; Nov. 1; Serial No. 408,548; published Aug. 23, 1938. Class 22.
Rubin, Louis, doing business as New York Toy & Game Manufacturing Co., New York, N. Y. Projectile games. 361,893; Nov. 1; Serial No. 408,549; published Aug. 23, 1938. Class 22.
Ryan Converting Corporation, New York, N. Y. Piece goods. 361,854; Nov. 1; Serial No. 407,642; published Aug. 23, 1938. Class 42.
Santa Monica Importing Co., Inc. (See F. & M. Importing Co.)
Schermerhorn Bros. Co., Chicago, Ill. Wall canvas. 361,748; Nov. 1; Serial No. 396,513; published Aug. 23, 1938. Class 42.
Schonbrunn, S. A., & Co., Inc., New York, N. Y. Tea. 361,781; Nov. 1; Serial No. 404,548; published Aug. 23, 1938. Class 46.
Scott-Graf Co., Inc., South San Antonio, Tex. Luggage bags. 361,763; Nov. 1; Serial No. 402,386; published Aug. 23, 1938. Class 3.
Sears, Roebuck and Co., Chicago, Ill. Paint spraying units. 361,904; Nov. 1. Class 23.
Sears, Roebuck and Co., Chicago, Ill. Gas ranges. 361,907; Nov. 1. Class 34.
Security Engineering Co. Inc., Whittier, Calif. Aluminum alloys, and ingots, castings, and forgings made therefrom. 361,845; Nov. 1; Serial No. 407,471; published Aug. 23, 1938. Class 14.
Seneca Falls Rule & Block Co., Inc., Seneca Falls, N. Y. Rulers. 361,776; Nov. 1; Serial No. 404,185; published Aug. 23, 1938. Class 26.
Sentinal Alarm Company. (See Arisman, Benjamin J.)
Sigel, Harry, Dallas, Tex. Whiskies. 361,902; Nov. 1. Class 49.
Sioux Honey Association, Cooperative, doing business as Clovermaid Products Co., Sioux City, Iowa. Honey. 361,839; Nov. 1; Serial No. 407,389; published Aug. 16, 1938. Class 46.
Smith, C. Harrison, New York, N. Y. Woolen fabrics. 361,914; Nov. 1. Class 42.
Smith, Landon P., Inc., Irvington, N. J. Glass cutters. 361,834; Nov. 1; Serial No. 407,161; published Aug. 23, 1938. Class 23.
Specify Food Company. (See Standard Distributors, Inc.)
Spume Beverage Co. (See Zichichi, Anthony.)
Standard Distributors, Inc., doing business as Specify Food Company, Los Angeles, Calif. Canned fruits, canned vegetables, canned citrus juices, etc. 361,840; Nov. 1; Serial No. 407,392; published Aug. 23, 1938. Class 46.
Standard Oil Company of New Jersey, Wilmington, Del. Cable oil. 361,742; Nov. 1; Serial No. 393,825; published Mar. 29, 1938. Class 15.
Standard Oil Company of New Jersey, Wilmington, Del. Gasoline and lubricating oils. 361,822; Nov. 1; Serial No. 406,784; published Aug. 23, 1938. Class 15.
Stitzel-Weller Distillery, Incorporated, Shively, Ky. Whiskey. 361,747; Nov. 1; Serial No. 396,372; published Aug. 23, 1938. Class 49.
Sunrise Liquor Corporation, Chicago, Ill. Whiskey and gin. 361,882; Nov. 1; Serial No. 408,213; published Aug. 23, 1938. Class 49.
Sunrise Liquor Corporation, Chicago, Ill. Whiskey. 361,883; Nov. 1; Serial No. 408,219; published Aug. 23, 1938. Class 49.
Swift and Company, Chicago, Ill. Glue. 361,857; Nov. 1; Serial No. 407,696; published Aug. 16, 1938. Class 5.
Table Rock Laboratories, Greenville, S. C. Preparation for treatment of hypertension arteriosclerosis, angina pectoris, etc. 361,751; Nov. 1; Serial No. 398,221; published Aug. 9, 1938. Class 6.
Taylor & Williams Distilleries, Inc., Louisville, Ky. Whiskey. 361,888; Nov. 1; Serial No. 408,440; published Aug. 23, 1938. Class 49.
Timken Roller Bearing Company, The, Canton, Ohio. Roller-bearings. 124,351; renewed Feb. 4, 1939.
Toico, Inc., Toledo, Ohio. Counters and display fixtures for retail stores. 361,825; Nov. 1; Serial No. 406,836; published Aug. 23, 1938. Class 32.
Transportation News Publishing Co., Inc., New York, N. Y. Newspaper. 361,843; Nov. 1; Serial No. 407,450; published Aug. 16, 1938. Class 38.
Trico Products Corporation, Buffalo, N. Y. Fluid operated motors and parts thereof, etc. 361,823; Nov. 1; Serial No. 406,787; published Aug. 23, 1938. Class 23.
Underwood Elliott Fisher Company, New York, N. Y. Typewriting machines and parts thereof. 361,732; Nov. 1; Serial No. 380,241; published Aug. 17, 1937. Class 23.
Union Fork & Hoe Company, The, Columbus, Ohio. Hand wielded shovels and spades. 361,860; Nov. 1; Serial No. 407,775; published Aug. 23, 1938. Class 23.
United States Glass Co., Pittsburgh, Pa. Glass table ware and glass bar ware. 361,773; Nov. 1; Serial No. 403,798; published Aug. 23, 1938. Class 33.
U. S. Industrial Chemical Co., Incorporated, New York, N. Y. Ethyl alcohol. 124,606; renewed Feb. 25, 1939.
Van Sant Dugdale & Company, Baltimore, Md. Company house organ. 361,808; Nov. 1; Serial No. 406,203; published Aug. 23, 1938. Class 38.
Vereinigte Spielwarenfabriken Andreas Förtner & J. Haffner's Nachf. G. m. b. H., Nuremberg, Germany. Electric railway toys. 361,802; Nov. 1; Serial No. 405,946; published Aug. 23, 1938. Class 22.
Ver Halen, Charles J., doing business as Ver Halen Publications, Los Angeles, Calif. Magazine. 361,813; Nov. 1; Serial No. 406,662; published Aug. 16, 1938. Class 38.
Village Blacksmith Folks, The, Watertown, Wis. Butcher, etc., knives and slicers. 361,917–18; Nov. 1. Class 23.
Walsh, Philomene G., Chicago, Ill. Sauce for vegetables, puddings, etc. 361,785; Nov. 1; Serial No. 404,930; published Aug. 23, 1938. Class 46.
Wamsutta Mills, New Bedford, Mass. Cotton piece goods, pillowcases and sheets. 361,922; Nov. 1. Class 42.
Watkins, J. R., Company, The, Winona, Minn. Complexion soap. 361,778; Nov. 1; Serial No. 404,338; published Aug. 23, 1938. Class 4.
Watkins, J. R., Company, The, Winona, Minn. Newspaper column. 361,801; Nov. 1; Serial No. 405,903; published Aug. 16, 1938. Class 38.
Weast Brothers, Landis, N. C. Varnish. 361,837; Nov. 1; Serial No. 407,252; published Aug. 23, 1938. Class 16.
Weiner, Martin, doing business as Martin Weiner Co., New York, N. Y. Fabrics. 361,863; Nov. 1; Serial No. 407,840; published Aug. 23, 1938. Class 42.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric roasters. 361,876–7; Nov. 1; Serial Nos. 408,034–5; published Aug. 23, 1938. Class 21.
Whittemore Bro's Corp., Cambridge, Mass. Leather dressing, waterproofing, and polishing material. 123,406; renewed Oct. 29, 1938.
Who and When Company, Louisville, Ky. Directory of manufacturers, businesses, buyers, and sellers. 361,815; Nov. 1; Serial No. 406,700; published Aug. 16, 1938. Class 38.
Wickwire Spencer Steel Company, New York, N. Y. Screw hooks, gate hooks, and screw eyes, etc. 361,739; Nov. 1; Serial No. 393,194; published Aug. 23, 1938. Class 13.
Wilkin, Fred R., Cicero, Ill. Mittens to increase the propulsion of the swimming stroke. 361,885; Nov. 1; Serial No. 408,407; published Aug. 23, 1938. Class 22.
Williams Gold Refining Company, Inc., The, Buffalo, N. Y. Dental casting patterns. 361,894; Nov. 1; Serial No. 408,557; published Aug. 23, 1938. Class 44.
Wolferman, Fred, Inc., Kansas City, Mo. Whiskey. 361,793; Nov. 1; Serial No. 405,540; published Aug. 23, 1938. Class 49.
Zichichi, Anthony, doing business as Spume Beverage Co., Chicago, Ill. Maltless carbonated beverages. 361,873; Nov. 1; Serial No. 407,928; published Aug. 23, 1938. Class 45.

LIST OF REGISTRANTS OF LABELS

Beech-Nut Packing Company, Canojoharie, N. Y. Beech-Nut Chopped Foods. For Chopped Foods. 52,008; Nov. 1.
Century Distilling Company, Peoria, Ill. Century Dew. For Bourbon Whiskey. 52,009; Nov. 1.
Century Distilling Company, Peoria, Ill. Century Dew. For Rye Whiskey. 52,010; Nov. 1.
Eggers, T. E., San Francisco, Calif. Mission Del Oro. For Olive Oil. 52,011; Nov. 1.
Ettelbrick Shoe Company, Greenup, Ill. Little Aristocrat Stitchdowns. For Stitchdowns. 52,012; Nov. 1.
Fort Clark Corporation, Peoria, Ill. Fort Clark. For Spirit Whiskey. 52,013; Nov. 1.
Fremont Canning Company, doing business as Gerber Products Company, Fremont, Mich. Gerber's Green Beans. For Canned Green Beans. 52,014; Nov. 1.
General Mills, Inc., Minneapolis, Minn. Dixie Delight Self-Rising Buckwheat, Wheat and Corn Pancake Flour. For Self-Rising Buckwheat, Wheat and Corn Pancake Flour. 52,015; Nov. 1.
Gerber Products Company. (See Fremont Canning Company.)
Gilbert, A. C., Company, The, New Haven, Conn. Scotland Yard Detective Kit. For Detective Kits. 52,016; Nov. 1.
Gulden, Charles, Inc., New York, N. Y. Gulden's Prepared Mustard, Light Blend. For Prepared Mustard. 52,017; Nov. 1.
Gumakers of America, Inc., Clifton Heights, Pa. Jitter. For Chewing Gum. 52,018; Nov. 1.
Lakewood Food Products Co., The, Baltimore, Md. Chummy. For Dog and Cat Food. 52,019; Nov. 1.
Mission Dry Corporation, Los Angeles, Calif. Mission Lime Rickey. For Lime Rickey. 52,020; Nov. 1.
Mission Dry Corporation, Los Angeles, Calif. Mission Orangeade. For Orange Concentrate. 52,021; Nov. 1.
Mission Dry Corporation, Los Angeles, Calif. Mission Grapefruitade. For Grapefruit Concentrate. 52,022; Nov. 1.
Nash-Finch Company, Minneapolis, Minn. Our Family. For Unsweetened Evaporated Milk. 52,023; Nov. 1.
New York Toy and Game Mfg. Co. (See Rubin, Louis.)
Porter, Victor W., Boston, Mass. The Logical System—The Distributional Quick Trick System. For Contract Bridge Books. 52,024; Nov. 1.
Reinhold, Arno, doing business as Reinhold Company, Cleveland, Ohio. Air-Vent Lettuce Bag. For Bags for Lettuce and Other Vegetables. 52,025; Nov. 1.
Rubin, Louis, doing business as New York Toy and Game Mfg. Co., New York, N. Y. Little Miss Practical's Handkerchief Applique Set. For Handkerchief Applique Sets. 52,026; Nov. 1.
Rubin, Louis, doing business as New York Toy and Game Mfg. Co., New York, N. Y. Little Miss Practical's Doll's Carriage Cover and Pillowcase Set. For Doll's Carriage Cover and Pillowcase Sets. 52,027; Nov. 1.
Rubin, Louis, doing business as New York Toy and Game Mfg. Co., New York, N. Y. G-Men Disquise Kit. For Disguise Kits. 52,028; Nov. 1.
Rubin, Louis, doing business as New York Toy and Game Mfg. Co., New York, N. Y. G-Men De Luxe Training Outfit. For Toy Target Shooting Outfits. 52,029; Nov. 1.
Scott Paper Company, Chester, Pa. Waldorf Towels. For Paper Towels. 52,030; Nov. 1.
Strauber Bros., New York, N. Y. Supercraft Undergarments. For Undergarments. 52,031; Nov. 1.
Walco Bead Co., Inc., doing business as Walco Bead Co., New York, N. Y. Walco Wood Bead Craft. For Outfits for making Bead Bags, Belts, Bracelets, Clips, Costume Jewelry, Necklaces, etc. 52,032; Nov. 1.
Walco Bead Co., Inc., doing business as Walco Bead Co., New York, N. Y. Walco Bead Jewelry and Marionettes. For Outfits for making Necklaces, Bracelets, Bead Dolls, Lamp Pulls, Shade Pulls, Bead Charms, etc. 52,033; Nov. 1
Zaninovich, Marko, Earlimart and Delano, Calif. Sunview. For Emperor Grapes. 52,034; Nov. 1.

LIST OF REGISTRANTS OF PRINTS

Abernathy, St. Elmo, Berkeley, Calif. Abernathy's Artemia Saline Compound. For Artemia Saline Compound for the Mechanical Production and Manufacture of Brine-Shrimp (Phyllopoda), its Eggs and Food. 17,102; Nov. 1.
Clark-Milner Co., Chicago, Ill. Twin Sisters Black Lipstick. For Lipsticks. 17,103; Nov. 1.
Marchant Calculating Machine Company, Oakland, Calif. Marchant the Math-Magician. For Calculting Machines. 17,104; Nov. 1.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Rentschlerize. For Meats. 17,105; Nov. 1.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Codfish, Salted. Mercantile Importing Corporation. 361,913; Nov. 1.
Leather. Peerless Kid Company. 361,911; Nov. 1.
Seed corn. G. D. Kenyon. 361,818; Nov. 1; Serial No. 406,762; published Aug. 30, 1938.
Wool-batting. Marshall Field & Company. 122,895; renewed Sept. 24, 1938.

CLASS 2

Kitchen sets. National Enameling and Stamping Company. 361,753; Nov. 1; Serial No. 399,456; published Feb. 15, 1938.
Receptacles, Paper. Menasha Products Company. 361,831; Nov. 1; Serial No. 407,069; published Aug. 16, 1938.

CLASS 3

Bags, Luggage. Scott-Graff Co. 361,763; Nov. 1; Serial No. 402,386; published Aug. 23, 1938.
Handbags and pocketbooks, Ladies'. Kadin Bros. Incorporated. 361,842; Nov. 1; Serial No. 407,435; published Aug. 23, 1938.

CLASS 4

Dressing, Shoe and heel. Angeles Shoe Polish Company. 124,071; renewed Jan. 14, 1939.
Dressing, waterproofing, and polishing material, Leather. Whittemore Bro's Corp. 123,406; renewed Oct. 29, 1938.
Grinding and polishing wheels. Chicago Flexible Shaft Company. 361,786; Nov. 1; Serial No. 405,013; published Aug. 23, 1938.
Soap. Goyescal Corp. 361,777; Nov. 1; Serial No. 404,310; published Aug. 23, 1938.
Soap, Complexion soap. J. R. Watkins Company. 361,778; Nov. 1; Serial No. 404,338; published Aug. 23, 1938.
Soap flakes, soap chips, and washing powders. Erlo Products, Inc. 361,865; Nov. 1; Serial No. 407,855; published Aug. 23, 1938.

CLASS 5

Glue. I. F. Laucks, Inc. 361,880; Nov. 1; Serial No. 408,162; published Aug. 23, 1938.
Glue. Swift and Company. 361,857; Nov. 1; Serial No. 407,696; published Aug. 16, 1938.
Resinous material, Synthetic. Hercules Powder Company. 361,844; Nov. 1; Serial No. 407,463; published Aug. 23, 1938.

CLASS 6

Powders and cold cream, Face. Colgate & Co. 124,373; renewed Feb. 11, 1939.
Preparation for pyorrhea, tooth, gum, and mouth health. C. S. Cohen. 123,103; renewed Oct. 15, 1938.
Preparation for treatment of hypertension arteriosclerosis, angina pectoris, etc. Table Rock Laboratories. 361,751; Nov. 1; Serial No. 398,221; published Aug. 9, 1938.
Purgatives. Gaba A. G. 122,964; renewed Oct. 1, 1938.

CLASS 7

Twine, Binder. Mundial Corporation. 361,852–3; Nov. 1; Serial No. 407,636–7; published Aug. 16, 1938.

CLASS 9

Blank-cartridge firing burglar alarms. B. J. Arisman. 361,770; Nov. 1; Serial No. 403,390; published Aug. 23, 1938.
Firecrackers, flash bombs, torpedoes, and fireworks. O. J. Giusti. 361,816; Nov. 1; Serial No. 406,758; published Aug. 16, 1938.

CLASS 10

Preparations to stimulate the growth of plants and the germination of seeds. American Chemical Paint Company. 361,881; Nov. 1; Serial No. 408,181; published Aug. 23, 1938.

CLASS 11

Carbon paper sheets and ink pads. Phillips Process Inc. 361,769; Nov. 1; Serial No. 403,145; published Aug. 23, 1938.

CLASS 13

Hooks, gate hooks, and screw eyes, etc., Screw. Wickwire Spencer Steel Company. 361,739; Nov. 1; Serial No. 393,194; published Aug. 23, 1938.
Plumbing fixtures and supplies. Haines, Jones & Cadbury Co. 123,593; renewed Nov. 19, 1938.
Pots and pans. Allied Stores Corporation. 361,762; Nov. 1; Serial No. 402,243; published Aug. 23, 1938.

CLASS 14

Alloys, and ingots, castings, and forgings made therefrom, Aluminum. Security Engineering Co. Inc. 361,845; Nov. 1; Serial No. 407,471; published Aug. 23, 1938.
Alloys, Babbitt metals, and white-metal alloys, Bearing. Jackson-Wheeler Metals Service, Inc. 361,898; Nov. 1; Serial No. 408,646; published Aug. 23, 1938.
Castings of ferrous metal. Belle City Malleable Iron Company. 361,870; Nov. 1; Serial No. 407,804; published Aug. 23, 1938.
Castings of ferrous metal. Belle City Malleable Iron Company. 361,871; Nov. 1; Serial No. 407,806; published Aug. 23, 1938.

CLASS 15

Gasoline and lubricating oils. Standard Oil Company of New Jersey. 361,822; Nov. 1; Serial No. 406,784; published Aug. 23, 1938.
Gasoline, lubricating oils, and lubricating greases. J. Barnes. 361,749; Nov. 1; Serial No. 397,468; published Jan. 4, 1938.
Oil, Cable. Standard Oil Company of New Jersey. 361,742; Nov. 1; Serial No. 393,825; published Mar. 29, 1938.
Oil compound, Lubricating. H. C. Greenwald. 361,848; Nov. 1; Serial No. 407,542; published Aug. 16, 1938.
Oil, Motor. R. T. Parfet. 361,836; Nov. 1; Serial No. 407,243; published Aug. 16, 1938.
Oils and greases, Lubricating. Ohio Oil Co. 361,794; Nov. 1; Serial No. 405,565; published Aug. 23, 1938.
Oils, greases and gasoline, Lubricating. Intava Limited. 361,768; Nov. 1; Serial No. 403,084; published Apr. 26, 1938.
Oils, Lubricating. Intava Limited. 361,741; Nov. 1; Serial No. 393,282; published July 20, 1937.
Petroleum products. International Lubricant Corporation. 361,743; Nov. 1; Serial No. 393,957; published Aug. 16, 1938.

CLASS 16

Paints and varnishes. Bro-Kade Wall Finish Co. 361,811; Nov. 1; Serial No. 406,571; published Aug. 23, 1938.
Paints, varnishes, and lacquers. Norfolk Paint & Varnish Company. 361,905; Nov. 1.
Polishing compounds, a liquid wax, etc. H. H. Ferguson. 361,916; Nov. 1.
Varnish. Weast Brothers. 361,837; Nov. 1; Serial No. 407,252; published Aug. 23, 1938.
Wax, Dance floor. Madison & Son. 361,832; Nov. 1; Serial No. 407,152; published Aug. 23, 1938.

CLASS 19

Carriages and go-carts, Baby. Heywood Brothers and Wakefield Company. 124,385; renewed Feb. 11, 1939.

CLASS 20

Floor covering. Bird & Son, Inc. 361,879; Nov. 1; Serial No. 408,151; published Aug. 23, 1938.
Rugs and floor covering, Felt base. Congoleum-Nairn Inc. 361,847; Nov. 1; Serial No. 407,538; published Aug. 9, 1938.

CLASS 21

Amplified-voice type of inter-communicating equipment. Executone, Inc. 361,920; Nov. 1.
Batteries, Storage. Goodyear Tire & Rubber Company. 361,859; Nov. 1; Serial No. 407,750; published Aug. 23, 1938.
Connectors, Electrical. Burndy Engineering Company. 361,761; Nov. 1; Serial No. 402,151; published Aug. 23, 1938.
Heaters, Electric water supply. Bastian-Morley Co. 361,806; Nov. 1; Serial No. 406,044; published Aug. 23, 1938.
Mixers and waffle irons, and percolators, Electric food. A. Cohen & Sons Corp. 361,796; Nov. 1; Serial No. 405,764; published Aug. 23, 1938.
Radio receiving sets. General Tire & Rubber Company. 361,733; Nov. 1; Serial No. 380,561; published Aug. 23, 1938.
Roasters, Electric. Westinghouse Electric & Manufacturing Company. 361,876–7; Nov. 1; Serial Nos. 408,034–5; published Aug. 23, 1938.
Wires and cables, Insulated electrical. General Cable Corporation. 361,783; Nov. 1; Serial No. 404,705; published Aug. 23, 1938.

CLASS 22

Dolls. M. N. Miller. 361,900; Nov. 1; Serial No. 408,654; published Aug. 23, 1938.
Exercisers. Rubbercraft Corporation of California, Ltd. 361,892; Nov. 1; Serial No. 408,548; published Aug. 23, 1938.
Game, Card and board. O. O. Jensen. 361,872; Nov. 1; Serial No. 407,906; published Aug. 23, 1938.
Game of chance. H. C. Bartholomew. 361,878; Nov. 1; Serial No. 408,150; published Aug. 23, 1938.
Games, Board. F. M. R. Burns. 361,755; Nov. 1; Serial No. 400,946; published Feb. 1, 1938.
Games, Projectile. L. Rubin. 361,893; Nov. 1; Serial No. 408,549; published Aug. 23, 1938.
Golf clubs and parts thereof. MacGregor Company. 361,868; Nov. 1; Serial No. 407,872; published Aug. 23, 1938.
Golf clubs and parts thereof, golf balls, etc. MacGregor Company. 361,869; Nov. 1; Serial No. 407,873; published Aug. 23, 1938.
Mittens adapted to increase the propulsion of the swimming stroke. F. R. Wilkin. 361,885; Nov. 1; Serial No. 408,407; published Aug. 23, 1938.
Skees, skee-bindings, push-sticks, etc. Marshall-Wells Company. 124,121; renewed Jan. 14, 1939.
Toy rubber balloons. Oak Rubber Balloons. 361,884; Nov. 1; Serial No. 408,285; published Aug. 23, 1938.
Toys, Electric railway. Vereinigte Spielwarenfabriken Andreas Fortner & J. Haffner's Nachf. G. m. b. H. 361,802; Nov. 1; Serial No. 405,946; published Aug. 23, 1938.

CLASS 23

Bearings, Antifriction. Federal Bearings Co., Inc. 122,790; renewed Sept. 17, 1938.
Blades, Safety razor. Molle Company, The. 361,835; Nov. 1; Serial No. 407,178; published Aug. 23, 1938.
Box gluing machinery, etc., Folding box. International Paper Box Machine Company. 361,867; Nov. 1; Serial No. 407,861; published Aug. 23, 1938.
Compressors and circulating pumps, Air. American Radiator Company. 361,759; Nov. 1; Serial No. 401,173; published Aug. 23, 1938.
Elevator tables and the like, Portable. Hamilton Tool Company. 361,817; Nov. 1; Serial No. 406,760; published Aug. 23, 1938.
Engines, Internal-combustion. Nelson Brothers Company. 121,930; renewed June 11, 1938.
Glass cutters. Landon P. Smith, Inc. 361,834; Nov. 1; Serial No. 407,161; published Aug. 23, 1938.
Hammers, Pneumatic riveting. Chicago Pneumatic Tool Company. 123,202; renewed Oct. 22, 1938.
Knives and slicers. Village Blacksmith Folks. 361,917–18; Nov. 1.
Milling machines and parts thereof. Hall Planetary Company. 361,798; Nov. 1; Serial No. 405,809; published Aug. 23, 1938.
Motors and parts thereof, etc., Fluid operated. Trico Products Corporation. 361,823; Nov. 1; Serial No. 406,787; published Aug. 23, 1938.
Razor blades, Safety. Colton Razor Blade Company. 361,908–9; Nov. 1.
Roller-bearings. Timken Roller Bearing Company. 124,351; renewed Feb. 4, 1939.
Shavers, Dry. Knapp-Monarch Company. 361,919; Nov. 1.
Shovels and spades, Hand wielded. Union Fork & Hoe Company. 361,860; Nov. 1; Serial No. 407,775; published Aug. 23, 1938.
Spraying units, Paint. Sears, Roebuck and Co. 361,904; Nov. 1.
Tools, dies, drills, etc. Hamilton Tool Company. 361,772; Nov. 1; Serial No. 403,685; published Aug. 23, 1938.
Typewriting machines and parts thereof. Underwood Elliott Fisher Company. 361,732; Nov. 1; Serial No. 380,241; published Aug. 17, 1937.
Valves, slush pump valve seat pullers, etc., Slush pump. Oil Well Manufacturing Corporation. 361,736–7; Nov. 1; Serial Nos. 389,565–6; published Aug. 17, 1937.

CLASS 24

Dryer, Clothes. Electric Household Utilities Corporation. 361,760; Nov. 1; Serial No. 401,208; published Aug. 16, 1938.

CLASS 26

Adding machines. General Register Corporation. 361,767; Nov. 1; Serial No. 402,857; published Aug. 23, 1938.
Focusing devices for photographic enlargers. D. H. Castle. 361,915; Nov. 1.
Goggles. Bausch & Lomb Optical Company. 361,875; Nov. 1; Serial No. 407,973; published Aug. 23, 1938.
Machine which produces color plates used on lithograph presses. C. E. Moore. 361,826; Nov. 1; Serial No. 406,896; published Aug. 23, 1938.
Rulers. Seneca Falls Rule & Block Co. 361,776; Nov. 1; Serial No. 404,185; published Aug. 23, 1938.
Tube testers and radio testing instruments. Jackson Electrical Instrument Company. 361,745; Nov. 1; Serial No. 394,711; published Aug. 23, 1938.

CLASS 32

Cabinets, Card filing. General Fireproofing Co. 361,895; Nov. 1; Serial No. 408,570; published Aug. 23, 1938.
Counters and display fixtures for retail stores. Tolco, Inc. 361,825; Nov. 1; Serial No. 406,836; published Aug. 23, 1938.

CLASS 33

Glass table ware and glass ware. United States Glass Co. 361,773; Nov. 1; Serial No. 403,798; published Aug. 23, 1938.

CLASS 34

Burners, oil filters for oil burners, etc., Oil. May Oil Burner Corporation. 361,734; Nov. 1; Serial No. 381,843; published Aug. 17, 1937.
Grilles and registers, Heating and ventilating. Barber-Colman Company. 361,750; Nov. 1; Serial No. 398,031; published Aug. 23, 1938.
Lenses for use in illuminated signs and the like. Automatic Button Company. 361,775; Nov. 1; Serial No. 403,932; published Aug. 23, 1938.
Ranges, Gas. Sears, Roebuck and Co. 361,907; Nov. 1.

CLASS 35

Belting, Canvas-stitched. Victor Balata & Textile Belting Co. 124,491; renewed Feb. 18, 1939.
Piston rings, Metal. Perfect Circle Company. 361,891; Nov. 1; Serial No. 408,545; published Aug. 23, 1938.

CLASS 36

Musical instruments, Band and orchestra. J. L. Hudson Company. 361,841; Nov. 1; Serial No. 407,434; published Aug. 23, 1938.

CLASS 37

Clips for stationery purposes, Wire. Goldsmith Bros. 361,921; Nov. 1.

CLASS 38

Books, particularly dictionaries. G. & C. Merriam Company. 361,803; Nov. 1; Serial No. 405,997; published Aug. 23, 1938.
Books, particularly dictionaries. G. & C. Merriam Company. 361,804; Nov. 1; Serial No. 405,999; published Aug. 23, 1938.
Column, Special featured. F. Romer. 361,805; Nov. 1; Serial No. 406,030; published Aug. 16, 1938.
Decalcomanias. Knickerbocker Decalcomania, Inc. 361,838; Nov. 1; Serial No. 407,317; published Aug. 16, 1938.
Directory of manufacturers, business buyers, and sellers. Who and When Company. 361,815; Nov. 1; Serial No. 406,700; published Aug. 16, 1938.
House organ, Company. Van Sant Dugdale & Company. 361,808; Nov. 1; Serial No. 406,203; published Aug. 23, 1938.
Magazine. C. J. Ver Halen. 361,813; Nov. 1; Serial No. 406,662; published Aug. 16, 1938.
Magazine section. Laundry Age Publishing Company. 361,790–2; Nov. 1; Serial Nos. 405,446–8; published Aug. 23, 1938.
News feature. W. C. Achurch. 361,828; Nov. 1; Serial No. 407,046; published Aug. 23, 1938.
Newspaper. Mobile Daily Newspapers, Inc. 361,820; Nov. 1; Serial No. 406,768; published Aug. 23, 1938.
Newspaper. Mobile Daily Newspapers, Inc. 361,821; Nov. 1; Serial No. 406,769; published Aug. 23, 1938.
Newspaper. Transportation News Publishing Co. 361,843; Nov. 1; Serial No. 407,450; published Aug. 16, 1938.
Newspaper column. J. R. Watkins Company. 361,801; Nov. 1; Serial No. 405,903; published Aug. 16, 1938.
Periodical. American Photographic Publishing Co. 361,812; Nov. 1; Serial No. 406,573; published Aug. 23, 1938.
Periodical. Fishing Gazette Publishing Corp. 361,782; Nov. 1; Serial No. 404,639; published Aug. 16, 1938.
Prints, Photographic. Linn Camera Shop Inc. 361,810; Nov. 1; Serial No. 406,516; published Aug. 23, 1938.
Publication. Active International. 361,756; Nov. 1; Serial No. 401,009; published Aug. 23, 1938.
Publication. Florists' Publishing Company. 361,851; Nov. 1; Serial No. 407,632; published Aug. 23, 1938.
Publication. W. F. Heer. 361,800; Nov. 1; Serial No. 405,877; published Aug. 16, 1938.
Publication. W. F. Heer. 361,849; Nov. 1; Serial No. 407,544; published Aug. 16, 1938.
Publications, printed books, and bulletins. Dale Carnegie Institute of Effective Speaking and Human Relations. 361,829; Nov. 1; Serial No. 407,063; published Aug. 23, 1938.
Puzzle, Anagram. C. C. Carroll. 361,797; Nov. 1; Serial No. 405,800; published Aug. 16, 1938.
Sheets of special information, Special. Meredith Publishing Company. 361,795; Nov. 1; Serial No. 405,702; published Aug. 23, 1938.

CLASS 42

Bed spreads, blanket covers, window curtains, etc. R. H. Macy & Co. 361,824; Nov. 1; Serial No. 406,815; published Aug. 23, 1938.
Canvas, Wall. Schermerhorn Bros. Co. 361,748; Nov. 1; Serial No. 396,513; published Aug. 23, 1938.
Cotton piece goods, pillowcases and sheets. Wamsutta Mills. 361,922; Nov. 1.
Fabrics. M. Weiner. 361,863; Nov. 1; Serial No. 407,840; published Aug. 23, 1938.
Fabrics, Textile. American-London Shrinkers Corp. 361,862; Nov. 1; Serial No. 407,785; published Aug. 23, 1938.
Napkins, towels, table cloths, Table. Brown & Kruger, Inc. 361,850; Nov. 1; Serial No. 407,619; published Aug. 23, 1938.
Piece goods. Ryan Converting Corporation. 361,854; Nov. 1; Serial No. 407,642; published Aug. 23, 1938.
Robes, Woolen automobile. Goodyear Tire & Rubber Company. 361,752; Nov. 1; Serial No. 398,678; published Jan. 4, 1938.
Woolen fabrics. C. H. Smith. 361,914; Nov. 1.

CLASS 44

Apparatus for vaporizing a volatile medicinal solution into the nasal passages and sinus. J. L. Jones. 361,740; Nov. 1; Serial No. 393,249; published Aug. 23, 1938.
Closer for the lips of a corpse. R. G. Divel. 361,886; Nov. 1; Serial No. 408,421; published Aug. 23, 1938.
Dental casting patterns. Williams Gold Refining Company. 361,894; Nov. 1; Serial No. 408,557; published Aug. 23, 1938.
Emery-boards, nail-files, etc. Northam Warren Corporation. 124,134; renewed Jan. 14, 1939.
Rubber chin reducers. I. B. Kleinert Rubber Company. 361,899; Nov. 1; Serial No. 408,648; published Aug. 23, 1938.
Supports for the arches and other parts of the feet. Arrowsmith Mfg. Co. Inc. 361,827; Nov. 1; Serial No. 406,954; published Aug. 23, 1938.
Therapeutic table and cabinet, Combined. Gellman Manufacturing Company. 361,866; Nov. 1; Serial No. 407,858; published Aug. 23, 1938.
Vaporizers. J. Robinson. 361,897; Nov. 1; Serial No. 408,577; published Aug. 23, 1938.
Wave pads, Permanent. W. A. Gilbert. 361,889; Nov. 1; Serial No. 408,498; published Aug. 23, 1938.

CLASS 45

Beverages and extracts, Carbonated. Chimes Company. 361,758; Nov. 1; Serial No. 401,050; published Aug. 23, 1938.
Beverages and sirups and extracts for making the same. R. A. Reid. 361,887; Nov. 1; Serial No. 408,438; published Aug. 23, 1938.
Beverages, Maltless carbonated. A. Zichichi. 361,873; Nov. 1; Serial No. 407,928; published Aug. 23, 1938.

CLASS 46

Apples, Fresh. Charles Abbate Co. 361,901; Nov. 1.
Bread. Brown Bomber Baking Company. 361,788; Nov. 1; Serial No. 405,381; published Aug. 23, 1938.
Butter. Borden Company. 361,864; Nov. 1; Serial No. 407,847; published Aug. 23, 1938.
Candied lemon peel, candied citron peel, etc. Causse Manufacturing & Importing Co. 361,807; Nov. 1; Serial No. 406,117; published Aug. 23, 1938.
Candies. Martha Washington Candies Company. 361,861; Nov. 1; Serial No. 407,777; published Aug. 23, 1938.
Candy. Jacobs Candy Company Limited. 122,975; renewed Oct. 1, 1938.
Candy. Life Savers Corporation. 361,765; Nov. 1; Serial No. 402,568; published Aug. 23, 1938.
Canned evaporated milk. Midland Cooperative Dairy Association. 361,819; Nov. 1; Serial No. 406,764; published Aug. 23, 1938.
Canned fish. Aktieselskap John Braadland Ltd. 361,735; Nov. 1; Serial No. 384,731; published June 8, 1937.
Canned fish. Point Loma Tuna Packers, Inc. 361,910; Nov. 1.
Canned fruits, canned vegetables, and canned citrus juices. Arlington Packing Corporation. 361,858; Nov. 1; Serial No. 407,711; published Aug. 23, 1938.
Canned fruits, canned vegetables, canned berries, etc. F. & M. Importing Co. Inc. 361,809; Nov. 1; Serial No. 406,332; published Aug. 23, 1938.
Canned fruits, canned vegetables, canned citrus juices, etc. Standard Distributors, Inc. 361,840; Nov. 1; Serial No. 407,392; published Aug. 23, 1938.
Canned peas. Gopher State Canneries, Inc. 361,744; Nov. 1; Serial No. 394,705; published Aug. 23, 1938.
Canned vegetables. Greco Canning Company. 361,906; Nov. 1.
Carbohydrate residue, Dried fermented. Commercial Solvents Corporation. 361,855; Nov. 1; Serial No. 407,662; published Aug. 23, 1938.
Cheese. Rheingold Cheese Company. 361,856; Nov. 1; Serial No. 407,688; published Aug. 23, 1938.
Chocolate powder preparation. D. Ghirardelli Co. 361,903; Nov. 1.
Crackers. King Kone Corporation. 361,799; Nov. 1; Serial No. 405,815; published Aug. 23, 1938.
Eggs, dressed poultry, ice cream, etc. Frank Pilley & Sons, Inc. 361,754; Nov. 1; Serial No. 400,354; published Aug. 16, 1938.

Flour, Wheat. American Flour Corporation. 361,814; Nov. 1; Serial No. 406,672; published Aug. 23, 1938;
Food, Cattle. J. J. Badenoch Co. 124,440; renewed Feb. 18, 1939.
Fruits and vegetables. S. Rosenblum. 124,881; renewed Mar. 18, 1939.
Fruits, Fresh citrus. Louis L. Jacob Inc. 361,789; Nov. 1; Serial No. 405,390; published Aug. 23, 1938.
Fruits, Fresh citrus. J. J. Lynn. 361,912; Nov. 1.
Honey. Sioux Honey Association, Cooperative. 361,839; Nov. 1; Serial No. 407,389; published Aug. 16, 1938.
Macaroni. Minnesota Macaroni Company. 361,787; Nov. 1; Serial No. 405,077; published Aug. 23, 1938.
Milk, ice cream, and candy. Hatch Dairy, Inc. 361,738; Nov. 1; Serial No. 391,574; published Aug. 23, 1938.
Mixture of popcorn, puffed wheat, and puffed rice with a liquid cheese preparation spread thereon. E. F. Kemp, Inc. 361,874; Nov. 1; Serial No. 407,949; published Aug. 23, 1938.
Oranges, Fresh. Eadington Fruit Company. 361,746; Nov. 1; Serial No. 394,830; published Aug. 23, 1938.
Oranges, lemons, and avocados. A. M. Bourne. 361,779; Nov. 1; Serial No. 404,392; published Aug. 23, 1938.
Pop corn, Raw. American Pop Corn Company. 361,757; Nov. 1; Serial No. 401,012; published Feb. 8, 1938.
Salad oil. Keystone Grocery Distributing Co. of Pittsburgh, Inc. 361,830; Nov. 1; Serial No. 407,065; published Aug. 23, 1938.
Sandwich filling. O. K. Foods, Inc. 361,833; Nov. 1; Serial No. 407,156; published Aug. 23, 1938.
Sauce for vegetables, puddings, etc. P. G. Walsh. 361,785; Nov. 1; Serial No. 404,930; published Aug. 23, 1938.
Spices. Enterprise Butcher Supply Co. 361,771; Nov. 1; Serial No. 403,546; published Aug. 23, 1938.
Spread, Flavored. B. L. Oser. 361,766; Nov. 1; Serial No. 402,691; published Aug. 23, 1938.
Syrup for food purposes and a powder for food purposes, Chocolate. Bowey's, Inc. 361,731; Nov. 1; Serial No. 374,112; published Aug. 23, 1938.
Syrups, Sugar. Nulomoline Company. 122,983; renewed Oct. 1, 1938.
Tea. S. A. Schonbrunn & Co. 361,781; Nov. 1; Serial No. 404,548; published Aug. 23, 1938.

CLASS 47

Wines. Hearn Department Stores, Inc. 361,780; Nov. 1; Serial No. 404,408; published Aug. 23, 1938.

CLASS 48

Beer. Holsten-Brauerie. 361,784; Nov. 1; Serial No. 404,713; published Aug. 23, 1938.
Malt beverage. Birk Bros. Brewing Co. 123,421; renewed Nov. 12, 1938.

CLASS 49

Alcohol, Ethyl. U. S. Industrial Chemical Co. Incorporated. 124,606; renewed Feb. 25, 1939.
Brandy. Bouchard Ainé & Fils. 361,846; Nov. 1; Serial No. 407,522; published Aug. 23, 1938.
Gin. Austin, Nichols & Co. 361,774; Nov. 1; Serial No. 403,897; published Aug. 23, 1938.
Gin and whiskey. Peter Hauptmann Tobacco Company. 361,896; Nov. 1; Serial No. 408,571; published Aug. 23, 1938.
Whiskey. H. E. Carnes & Co. 361,890; Nov. 1; Serial No. 408,527; published Aug. 23, 1938.
Whiskey. Gimbel Brothers, Inc. 361,764; Nov. 1; Serial No. 402,520; published Aug. 23, 1938.
Whiskey. Stitzel-Weller Distillery, Incorporated. 361,747; Nov. 1; Serial No. 396,372; published Aug. 23, 1938.
Whiskey. Sunrise Liquor Corporation. 361,883; Nov. 1; Serial No. 408,219; published Aug. 23, 1938.
Whiskey. Taylor & Williams Distilleries, Inc. 361,888; Nov. 1; Serial No. 408,440; published Aug. 23, 1938.
Whiskey. Fred Wolferman, Inc. 361,793; Nov. 1; Serial No. 405,540; published Aug. 23, 1938.
Whiskey and gin. Sunrise Liquor Corporation. 361,882; Nov. 1; Serial No. 408,213; published Aug. 23, 1938.
Whiskies. H. Sigel. 361,902; Nov. 1.

CLASS 50

Flags. John C. Dettra & Company. 124,691; renewed Mar. 11, 1939.

LIST OF LABELS

Air-Vent Lettuce Bag. For Bags for Lettuce and Other Vegetables. A. Reinhold. 52,025; Nov. 1.
Beech-Nut Chopped Foods. For Chopped Foods. Beech-Nut Packing Company. 52,008; Nov. 1.
Century Dew. For Bourbon Whiskey. Century Distilling Company. 52,009; Nov. 1.
Centry Dew. For Rye Whiskey. Century Distilling Company. 52,010; Nov. 1.
Chummy. For Dog and Cat Food. Lakewood Food Products Co. 52,019; Nov. 1.
Dixie Delight Self-Rising Buckwheat, Wheat and Corn Pancake Flour. For Self-Rising Buckwheat, Wheat and Corn Pancake Flour. General Mills, Inc. 52,015; Nov. 1.
Fort Clark. For Spirit Whiskey. Fort Clark Corporation. 52,013; Nov. 1.
G-Men Disguise Kit. For Disguise Kits. L. Rubin. 52,028; Nov. 1.
G-Men De Luxe Training Outfit. For Toy Target Shooting Outfits. L. Rubin. 52,029. Nov. 1.
Gerber's Green Beans. For Canned Green Beans. Fremont Canning Company. 52,014; Nov. 1.
Gulden's Prepared Mustard, Light Blend. For Prepared Mustard. Charles Gulden, Inc. 52,107; Nov. 1.
Jitter. For Chewing Gum. Gumakers of America, Inc. 52,018; Nov. 1.
Little Aristocrat Stitchdowns. For Stitchdowns. Ettelbrick Shoe Company. 52,012; Nov. 1.
Little Miss Practical's Doll's Carriage Cover and Pillowcase Set. For Doll's Carriage Cover and Pillowcase sets. L. Rubin. 52,027; Nov. 1.
Little Miss Practical's Handkerchief Appliqué Set. For Handkerchief Appliqué Sets. L. Rubin. 52,026; Nov. 1.
Mission Del Oro. For Olive Oil. T. E. Eggers. 52,011; Nov. 1.
Mission Grapefuitade. For Grapefruit Concentrate. Mission Dry Corporation. 52,022; Nov. 1.
Mission Lime Ricky. For Lime Rickey. Mission Dry Corporation. 52,020; Nov. 1.
Mission Orangeade. For Orange Concentrate. Mission Dry Corporation. 52,021; Nov. 1.
Our Family. For Unsweetened Evaporated Milk. Nash-Finch Company. 52,023; Nov. 1.
Scotland Yard Dective Kit. For Detective Kits. A. C. Gilbert Company. 52,016; Nov. 1.
Sunview. For Emperor Grapes. M. Zaninovich. 52,034; Nov. 1.
Supercraft Undergarments. For Undergarments. Strauber Bros. 52,031; Nov. 1.
The Logical System—The Distributional Quick Trick System. For Contract Bridge Books. V. W. Porter. 52,024; Nov. 1.
Walco Wood Bead Craft. For Outfits for making Bead Bags, Belts, Bracelets, Clips, Costume Jewelry, Necklaces, etc. Walco Bead Co. 52,032; Nov. 1.
Walco Bead Jewelry and Marionettes. For Outfits for making Necklaces, Bracelets, Bead Dolls, Lamp Pulls, Shade Pulls, Bead Charms, etc. Walco Bead Co. 62,033; Nov. 1.
Waldorf Towels. For Paper Towels. Scott Paper Company. 52,030; Nov. 1.

LIST OF PRINTS

Abernthy's Artemia Saline Compound. For Artemia Saline Compound for the Mechanical Production and Manufacture of Brine-Shrimp (Phyllopoda), its Eggs and food. S. Abernathy. 17,102; Nov. 1.
Marchant the Math-Magician. For Calculating Machines. Marchant Calculating Machine Company. 17,104; Nov. 1.
Rentschlerize. For Meats. Westinghouse Electric & Manufacturing Company. 17,105; Nov. 1.
Twin Sisters Black Lipstick. For Lipsticks. Clark-Millner Co. 17,103; Nov. 1.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 1ST DAY OF NOVEMBER, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

American Brake Shoe and Foundry Company, The. (See Blume, William A., assignor.)
Blume, William A., Detroit, Mich., assignor to The American Brake Shoe and Foundry Company. Making friction elements. Re. 20,907; Nov. 1.
Blume, William A., Detroit, Mich., assignor to The American Brake Shoe and Foundry Company. Friction element. Re. 20,908; Nov. 1.
Consolidated Machine Tool Corporation. (See Trosch, Alfred, assignor.)
Gwinn, Joseph M., Jr., Buffalo, N. Y. Aircraft. Re. 20,901; Nov. 1.
Newman, David F., Rockville Centre, N. Y., assignor to Trans-Lux Corporation. Projection system. Re. 20,902; Nov. 1.
Royse, Grover C., Vallejo, Calif. Clutch. Re. 20,903; Nov. 1.
Schlegel, Charles P., assignor to The Schlegel Manufacturing Company, Rochester, N. Y. Window channel. Re. 20,904; Nov. 1.
Schlegel Manufacturing Company, The. (See Schlegel, Charles P., assignor.)
Swan, John B., Gladstone, Mich. Sander device. Re. 20,905; Nov. 1.
Trans-Lux Corporation. (See Newman, David F., assignor.)
Trosch, Alfred, assignor to Consolidated Machine Tool Corporation, Rochester, N. Y. Work table for boring mills and the like. Re. 20,906; Nov. 1.

LIST OF PLANT PATENTEES

Conard-Pyle Company, The. (See Tantau, Mathias, assignor.)
Dramm, Eugene R., assignor to Dramm Greenhouse, Inc., Elmhurst, Ill. Rose. 301; Nov. 1.
Dramm Greenhouse, Inc. (See Dramm, Eugene R., assignor.)
Lothrop, Chester H., Lexington, Mass. Snapdragon. 302; Nov. 1.
Tantau, Mathias, Utersen, Germany, assignor to The Conard-Pyle Company, West Grove, Pa. Rose plant. 300; Nov. 1.

LIST OF DESIGN PATENTEES

Abbate, Jacob, New York, N. Y. Dress. 112,016; Nov. 1.
Abbate, Jacob, New York, N. Y. Dress ensemble. 112,017; Nov. 1.
American Seating Company. (See Bond, Willard H., Jr., assignor.)
Arkansas Fuel Oil Company. (See Hullinger, Glenn, assignor.)
Autoyre Company, The. (See Sanford, Roy S., assignor.)
Bendix Radio Corporation. (See Mead, C. E., and Sturm, assignors.)
Bennett, Arthur J., Cambridge, Ohio. Bowl or similar article. 111,948; Nov. 1.
Bennett, Arthur J., Cambridge, Ohio. Goblet or similar article. 111,949; Nov. 1.
Bennett, Arthur J., Cambridge, Ohio. Plate or similar article. 111,950; Nov. 1.
Bennett, Arthur J., Cambridge, Ohio. Relish dish or similar article. 111,951; Nov. 1.
Bond, Willard H., Jr., East Grand Rapids, assignor to American Seating Company, Grand Rapids, Mich. Chair seat. 111,952; Nov. 1.
Bond, Willard H., Jr., East Grand Rapids, assignor to American Seating Company, Grand Rapids, Mich. Combined chair and desk. 111,953; Nov. 1.
Boulton, Berthoud C., Towson, and J. S. McDonnell, Jr., Baltimore, assignors to The Glenn L. Martin Company, Baltimore, Md. Airplane. Des. Re. 20,900; Nov. 1.
Buckingham, John D., assignor to Lucien Lelong, Inc., Chicago, Ill. Perfume bottle or similar article. 111,954; Nov. 1.
Chambart, Josephine, New York, N. Y. Dress. 112,018; Nov. 1.
Classroom Laboratories, Inc. (See Reardon, Harvey J., assignor.)
Cohn, Mark, New York, N. Y. Dress. 111,019; Nov. 1.
Colson Corporation, The. (See Roe, William C., assignor.)
Crimmins, William C., assignor to Delta Electric Company, Marion, Ind. Lamp. 111,955; Nov. 1.
Crimmins, William C., assignor to Delta Electric Company, Marion, Ind. Lamp. 111,956; Nov. 1.
Dallas, Ronald H., South Gate, assignor to Union Oil Company of California, Los Angeles, Calif. Bottle. 111,957; Nov. 1.
Davis, Carrie L. J., Anniston, Ala. School desk. 111,958; Nov. 1.
Deible, Clarence R., Marienville, assignor to Knox Glass Associates, Inc., Oil City, Pa. Beer bottle. 111,959; Nov. 1.
Delta Electric Company. (See Crimmins, William C., assignor.)
De Rauf, Ceabern S., Des Moines, Iowa. Mirror. 111,960; Nov. 1.
Elsbert Manufacturing Company. (See Martinsson, Gunnar R. C., assignor.)
Emerson Electric Mfg. Co., The. (See Janca, Joseph J., assignor.)
Empire Ironer, Incorporated. (See Stilwell, William E., Jr., assignor.)
Farber, Simon W., Brooklyn, N. Y. Crumber. 111,961; Nov. 1.
Fracchia, Pauline, New York, N. Y. Dress. 112,020; Nov. 1.
Frank, Anna, et al. (See Frank, Manuel A., assignor.)
Frank, Manuel A., assignor of one-sixth to M. Frank, one-sixth to A. Frank, one-sixth to M. Frank, one-sixth to P. B. Frank, and one-sixth to S. Frank, Philadelphia, Pa. Bottle. 111,962; Nov. 1.
Frank, Mary, et al. (See Frank, Manuel A., assignor.)
Frank, Max, et al. (See Frank, Manuel A., assignor.)
Frank, Perry B., et al. (See Frank, Manuel A., assignor.)
Frank, Sidney, et al. (See Frank, Manuel A., assignor.)
General Electric Company. (See Koger, Glenn, assignor.)
Goldberg, Irving, New York, N. Y. Coat. 111,963; Nov. 1.
Goldman, Harry, New York, N. Y. Dress. 112,027; Nov. 1.
Goldstein, Martin A., New York, N. Y. Hat. 111,964; Nov. 1.
Goodson, Jack, London, England. Game board or similar article. 111,965; Nov. 1.
Haggart, John C., Jr., Westfield, N. J., assignor to Signal Service Corporation. Reflector signal device or the like. 111,966; Nov. 1.
Helmuth, Louis W., Lakewood, Ohio. Nightshirt. 111,967; Nov. 1.
Hill, F. H., Company. (See Scholl, Harry S., assignor.)
Holmes, Frank B., Jr., Orchard Lake, Mich. Child's step-up stool. 111,968; Nov. 1.
Horsley, James H., assignor to Shanklin Manufacturing Company, Chicago, Ill. Cigarette container. 111,969; Nov. 1.
Hullinger, Glenn, assignor to Arkansas Fuel Oil Company, Shreveport, La. Tire. 111,970; Nov. 1.
Huse, Harry W., Glendale, Calif. Confection. 111,971; Nov. 1.
Janca, Joseph J., assignor to The Emerson Electric Mfg. Co., St. Louis, Mo. Air circulator. 111,972; Nov. 1.
Jeffers, Minnis R., Bullsgap, Tenn. Game board. 111,973; Nov. 1.
Kimbrell, James T., Selma, Ala. Game board. 111,974; Nov. 1.
Klecka, John J., assignor to J. R. Wood & Sons, Inc., Brooklyn, N. Y. Finger ring. 111,975; Nov. 1.
Klein, Samuel C., St. Louis, Mo. Dress. 112,021; Nov. 1.
Klein, Samuel C., St. Louis, Mo. Dress. 112,022; Nov. 1.
Knox Glass Associates, Inc. (See Deible, Clarence R., assignor.)
Koch, Louis A., Louisville, Ky. Automobile exhaust shroud. 111,976; Nov. 1.

Koch, Louis A., Louisville, Ky. Automobile exhaust shroud. 111,977; Nov. 1.
Koch, Louis A., Louisville, Ky. Automobile exhaust shroud. 111,978; Nov. 1.
Koch, Louis A., Louisville, Ky. Automobile exhaust shroud. 111,979; Nov. 1.
Koch, Louis A., Louisville, Ky. Automobile exhaust shroud. 111,980; Nov. 1.
Koger, Glenn, Bridgeport, Conn., assignor to General Electric Company. Electric cable. 111,981; Nov. 1.
Kushner, Charles, New York, N. Y. Perfume stand. 111,982; Nov. 1.
Lawrence, Marie, New York, N. Y. Dress. 112,029; Nov. 1.
Lawrence, Marie, New York, N. Y. Dress. 112,030; Nov. 1.
Lelong, Lucien, Inc. (See Buckingham, John D., assignor.)
Lemm, Bonnie E., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Outside door handle or similar article for an automotive vehicle. 111,983; Nov. 1.
Malisse, Emile, Detroit, Mich. Game board. 111,984; Nov. 1.
Martin, Glenn L., Company, The. (See Boulton, B. C., and McDonnell, assignors.)
Martinsson, Gunnar R. C., Riverside, assignor to Elsbert Manufacturing Company, Inc., Chicago, Ill. Ignition coil housing. 112,023; Nov. 1.
Mascitelli, Marie, New York, N. Y. Dress ensemble. 112,028; Nov. 1.
McDonnell, James S., Jr. (See Boulton, B. C., and McDonnell.)
Mead, Clarence E., Chicago, Ill., and R. E. Sturm, Baltimore, Md., assignors to Bendix Radio Corporation, Chicago, Ill. Electrical meter. 111,985; Nov. 1.
Merillat, Harold E., Ottawa Hills, assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Combined automobile fender and head lamp. 112,034; Nov. 1.
Milne, James D., Pittsfield, Mass., assignor, by mesne assignments, to Universal Camera Corporation. Camera or similar article. 111,986; Nov. 1.
Mitchell, Celia, New York, N. Y. Dress. 112,031; Nov. 1.
Moore, Wiley L., Atlanta, Ga. Sign for automobiles or the like. 111,988; Nov. 1.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Fuel tank structure for outboard motors. 111,987; Nov. 1.
Morris, Abraham H., New York, N. Y. Dress or similar article. 112,024; Nov. 1.
Neumann, Jane A., Bardstown, Ky. Bottle. 111,989; Nov. 1.
Newland, Carell A., Kansas City, Mo. Combined sterilizing and implement holding cabinet. 111,990; Nov. 1.
Newman, Louis, New York, N. Y. Coat. 111,991; Nov. 1.
Oya, John A., Honolulu, Hawaii. Bottle or similar container. 111,992; Nov. 1.
Pollak, Ernst, New York, N. Y. Bottle stopper. 111,993; Nov. 1.
Price, David W., New York, N. Y. Dress. 112,025; Nov. 1.
Ramsay, William F., Kerrville, Tex. Combined rodent and insect exterminator. 111,994; Nov. 1.
Reardon, Harvey J., Oak Park, assignor to Classroom Laboratories, Inc., Chicago, Ill. Motion picture projector apparatus. 111,995; Nov. 1.
Reich, Max, Chicago, Ill. Dress ensemble. 112,026; Nov. 1.
Roe, William C., assignor to The Colson Corporation, Elyria, Ohio. Velocipede. 111,996; Nov. 1.
Roher, Mildred, New York, N. Y. Dress. 112,032; Nov. 1.
Roth, Isadore, St. Louis, Mo. Dress. 112,033; Nov. 1.
Sanford, Roy S., assignor to The Autoyre Company, Incorporated, Oakville, Conn. Towel rack or similar article. 111,997; Nov. 1.
Scholl, Harry S., Chicago, Ill., assignor to F. H. Hill Company, Inc., Cleveland, Ohio. Burial casket shell. 111,999; Nov. 1.
Scholl, Harry S., Chicago, Ill., assignor to F. H. Hill Company, Inc., Cleveland, Ohio. Burial casket shell. 112,000; Nov. 1.
Sears, Roebuck and Co. (See Morgan, John R., assignor.)
Shanklin Manufacturing Company. (See Horsley, James H., assignor.)
Sigaloff, Samuel J., Long Island City, N. Y. Guide chart or similar article. 111,998; Nov. 1.
Signal Service Corporation. (See Haggart, John C., Jr., assignor.)
Solomon, Shepard, New York, N. Y. Belt or similar article. 112,001; Nov. 1.
Somers, William S., Columbus, Ohio. Furnace casing. 112,002; Nov. 1.
Spitalny, Fred, Elizabeth, N. J. Vanity case or similar article. 112,003; Nov. 1.
Spitalny, Fred, Elizabeth, N. J. Vanity case or similar article. 112,004; Nov. 1.
Spitalny, Fred, Elizabeth, N. J. Vanity case or similar article. 112,005; Nov. 1.
Stilwell, William E., Jr., assignor to Empire Ironer, Incorporated, Cincinnati, Ohio. Ironer. 112,006; Nov. 1.
Straus, Sylvan M., Gloversville, N. Y. Glove. 112,007; Nov. 1.
Sturm, Ralph E. (See Meas, C. E., and Sturm.)
Ternstedt Manufacturing Company. (See Lemm, Bonnie E., assignor.)
Troy, Seymour, New York, N. Y. Shoe or similar article. 112,008; Nov. 1.
Ullman, Margurite, New York, N. Y. Shoe or similar article. 112,009; Nov. 1.
Union Oil Company of California. (See Dallas, Ronald H., assignor.)
Universal Camera Corporation. (See Milne, James D., assignor.)
Watt, Cullen J., Carpinteria, Calif. Tie. 112,010; Nov. 1.
Waxelbaum, Sol J., Atlanta, Ga. Pump. 112,011; Nov. 1.
Weiss, Samuel L., Brooklyn, N. Y. Faucet connection. 112,012; Nov. 1.
Whitman, John F., Jr., Brooklyn, N. Y. Film viewer. 112,013; Nov. 1.
Willys-Overland Motors, Inc. (See Merillat, Harold E., assignor.)
Wolfer, Paul J. C., Wellesley, Mass. Shoe or similar article. 112,014; Nov. 1.
Wood, J. R., & Sons, Inc. (See Klecka, John J., assignor.)
Zacharias, James L., Chicago, Ill. Miniature religious shrine. 112,015; Nov. 1.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 1st DAY OF NOVEMBER, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrams, Horace M., assignor to D. G. Ashton and S. B. Eddy, receivers for Jerome B. Rice Seed Co., Cambridge, Mass. Combined display package and rack. 2,135,093; Nov. 1.
Aikman, Burton S., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Compressor valve control. 2,135,247; Nov. 1.
Aikman, Burton S., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Compressor control. 2,135,248; Nov. 1.
Aime, Frank L., assignor to Anaconda Wire & Cable Company, New York, N. Y. Electric cable. 2,134,771; Nov. 1.
Alberts, Ann A., deceased, New York, N. Y.; L. N. Alberts, executor. Brassière. 2,135,094; Nov. 1.
Alberts, Leon N., executor. (See Alberts, Ann A.)
Alden, Milton, Brockton, Mass. Electrical plug and socket. 2,135,267; Nov. 1.
Alexander, Reginald L. (See David, Eugene S., assignor.)
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Discharge lamp system. 2,135,268; Nov. 1.
Allen Electric & Equipment Co. (See Allen, Gerald H., assignor.)
Allen, Gerald H., assignor to Allen Electric & Equipment Co., Kalamazoo, Mich. Method of and apparatus for testing ignition coils. 2,135,269; Nov. 1.
Allen, Murray, Raleigh, N. C. Dispenser. 2,135,378; Nov. 1.
Allen, Paul E., Niles Center, Ill. Bottle holder. 2,134,746; Nov. 1.
Allen, Simeon C., Newton, assignor to Health Research Foundation, Inc., Boston, Mass. Treating biologic material. 2,134,679; Nov. 1.
Allensworth, Harry R., Columbus, Ohio. Electrical communication network. 2,134,690; Nov. 1.
Allensworth, Harry R., Columbus, Ohio. Electric communication network. 2,134,691; Nov. 1.
Allis-Chalmers Manufacturing Company. (See Hull, M. R., Morrow, and Casto, assignors.)
Allis-Chalmers Manufacturing Company. (See Metz, Ora F., assignor.)
Allis-Chalmers Manufacturing Company. (See Newhouse, R. C., and De Wein, assignors.)
Allis-Chalmers Manufacturing Company. (See Young, A. C., and Jorgensen, assignors.)
Allison, Kenneth C., Arlington Heights, Ill. Method of and apparatus for dispensing fluids. 2,134,772; Nov. 1.
Alpha Products Company. (See Cannon, William W., assignor.)
Aluminum Company of America. (See Moorhead, Joseph N., assignor.)
Aluminum Company of America. (See Underhill, Wyvel S., assignor.)
Aluminum, Inc. (See Moffat, Ralph M., assignor.)
Ambers, Many, Mount Ida, Ark. Attachment for a hay baler. 2,135,379; Nov. 1.
American Agricultural Chemical Company, The. (See Sebastian, Robert L., assignor.)
American Hot Water Systems, Inc. (See Trencavel, Albert B., assignor.)
American Locomotive Company. (See Clifford, Roger W., assignor.)
American Magnesium Metals Corporation. (See Erdmann, Konrad, assignor.)
American Maize-Products Company. (See Walsh, James F., assignor.)
American Radiator Company. (See Woolley, Clarence M., assignor.)
American Sales Book Company. (See Templeton, Robert P., assignor.)
American Steel Foundries. (See Baselt, Walter H., assignor.)
American Steel Foundries. (See Hedgcock, William C., assignor.)
American Telephone and Telegraph Company. (See Hanley, Frank H., assignor.)
American Telephone and Telegraph Company. (See Herrmann, C. S., and Ott, assignors.)
Anaconda Wire & Cable Company. (See Aime, Frank L., assignor.)
Anderson, Bernadine. (See Anderson, Howard P.)
Anderson, George A., Alameda, Calif. Adjustable stroke and shock absorbing connecting rod. 2,134,995; Nov. 1.
Anderson, Howard P., deceased, Erie, Pa., by B. Anderson, executrix, Dallas, Tex., assignor, by mesne assignments to The Standard Stoker Company, Inc. Distributor head for stokers. 2,135,249; Nov. 1.
Anderson, Lloyd D. H., Wellesley, Mass. Tractor plow. 2,134,848; Nov. 1.
Anderson, William B., Springfield, Mass., assignor, by mesne assignments, to General Motors Corporation. Liquid-congealing apparatus and treating same. 2,135,022; Nov. 1.
Anderson, William B., West Springfield, Mass., assignor, by mesne assignments, to General Motors Corporation. Liquid-congealing apparatus and treating same. 2,135,023; Nov. 1.
Andrews Company. (See Andrews, I., and Coddington, assignors.)
Andrews, Isaac, and H. O. Coddington, assignors to Andrews Company, Spartanburg, S. C. Machine used in construction twine heddle. 2,134,692; Nov. 1.
Antognazzi, Marco A., Rosario de Santa Fe, Argentine. Lifesaving appliance. 2,135,095; Nov. 1.
Apex Electrical Manufacturing Company, The, trustee. (See Kirby, James B., assignor.)
Armour and Company. (See Conquest, Victor, assignor.)
Arnold, Forest J., Antioch, Ill. Bus clamp. 2,134,849; Nov. 1.
Aronsohn, S. J., Inc. (See Meyers, George R., assignor.)
Arp, Ewald A., Minneapolis, Minn. Machine to bend or twist connecting rods. 2,134,773; Nov. 1.
Ashton, D. G., et al., receivers. (See Abrams, Horace M., assignor.)
Ashton, Philip E., and S. L. Wolfson, Meriden, Conn.; said Wolfson assignor to said Ashton. Electric cigar lighter. 2,135,270; Nov. 1.
Askania-Werke A. G. (See Ziebolz, H., and Velten, assignors.)
Atlantic Carton Corporation. (See Whitehead, Earl B., assignor.)
Atlantic Refining Company, The. (See Reuter, Raymond, assignor.)
Atlas Mineral Products Company, The. (See Payne, Claron R., assignor.)
Audubon Wire Cloth Corporation. (See Guba, Raymond J., assignor.)
Automatic Telephone & Electric Company. (See Renshaw, Alfred P. B., assignor.)
Automatic Telephone & Electric Company. (See Renshaw, A. P. B., and Preist, assignors.)
Auto Research Corporation. (See Bijur, Joseph, assignor.)
Auto Research Corporation. (See Kocher, Edward H., assignor.)
Automatic Guns, Incorporated. (See Hoagland, R. W., and Shepherd, assignors.)
Automatic Machinery Corporation. (See Crouch, Richard H., assignor.)
B. G. Corporation, The. (See Paulson, George M., assignor.)
Baash-Ross Tool Company. (See Fisher, Ralph D., assignor.)
Babcock & Wilcox Company, The. (See Gilg, Frank X., assignor.)
Babcock & Wilcox Company, The. (See Trainer, James E., assignor.)
Backhouse, Headley T., London, England. Multiple ball control. 2,135,206; Nov. 1.
Bacon, James G., Jr., Bronx, assignor to A. Siesinger, New York, N. Y. Combination baby carriage or crib and playyard. 2,134,904; Nov. 1.
Baesecke, Martin, assignor to Siemens & Halske Aktiengesellschaft, Berlin-Siemensstadt, Germany. Signal transmission. 2,134,850; Nov. 1.
Baker, Dennie R., Richmond, Va. Game. 2,135,421; Nov. 1.
Baker Oil Tools, Inc. (See Burt, Clarence E., assignor.)
Balcar, Frederick R., Stamford, Conn., assignor, by mesne assignments, to U. S. Industrial Alcohol Co., New York, N. Y. Recovering olefin oxides from gaseous mixtures and hydrolizing to form corresponding glycols. 2,135,271; Nov. 1.
Baldwin-Southwark Corporation. (See Dinzl, Richard W., assignor.)
Ball, Charles F. (See Devine, B. F., and Ball.)
Ball, Charles F. (See Longenecker, C. L., and Ball.)
Ball, Charles F., Wauwatosa, assignor to Chain Belt Company, Milwaukee, Wis. Apparatus for mixing concrete and the like. 2,135,436; Nov. 1.
Ballantine, Stuart, Mountain Lakes, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Vacuum tube amplifier. 2,134,747; Nov. 1.
Bampfylde, James W., Birmingham, assignor to British & Dominions Feralloy Limited, London, England. Manufacture of cast iron. 2,134,905; Nov. 1.
Bange, Charles A., assignor to Lamneck Products, Incorporated, Columbus, Ohio. Silo roof. 2,135,437; Nov. 1.

Barkinsky, Aaron, and S. Yanofsky, Bronx, N. Y. Electric broiler. 2,135,318; Nov. 1.

Barknowitz, Hans. (See Boon, A. A., Barknowitz, and Ultermark.)

Barrett, George J., and S. Robichaux, Houston, Tex. Drill. 2,135,024; Nov. 1.

Barry, Garrett J., Toledo, Ohio. Mail crane and operating the same. 2,135,272; Nov. 1.

Barthell, Edward E. (See Pocell, Fred, assignor.)

Bartholomew, Jess M., Michigan City, Ind., assignor to Sullivan Machinery Company. Pumping mechanism. 2,134,693; Nov. 1.

Bartlett, Jeffrey H., and A. H. Gleason, Elizabeth, N. J., assignors to Standard Oil Development Company. Pour inhibitor and manufacturing the same. 2,135,044; Nov. 1.

Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Brake arrangement. 2,135,120; Nov. 1.

Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Brake arrangement. 2,135,121; Nov. 1.

Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Clasp brake. 2,135,438; Nov. 1.

Bassett, Cyrus W., Montclair, assignor to Elevator Supplies Co., Inc., Hoboken, N. J. Sensitive door edge structure. 2,135,131; Nov. 1.

Bates, Elbridge G., et al. (See Rugh, Harry O., assignor.)

Bates, Mortimer F., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyro magnetic compass. 2,135,229; Nov. 1.

Batjer, Henry B., Brooklyn, N. Y. Butter mold. 2,135,025; Nov. 1.

Bauer, Wilhelm. (See Muenster, W., Bauer, Koeberle, and Bertl.)

Baxter, Ernest W., Detroit, Mich. Steering mechanism. 2,134,748; Nov. 1.

Bayer, Otto. (See Kleiner, H., Bayer, and Kunze.)

Bays, George S., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Secondary recovery of oil from underground reservoirs. 2,135,319; Nov. 1.

Bear, Paul S., assignor, by mesne assignments, to Bucklen-Bear Laboratories, Inc., Elkhart, Ind. Preparation of mercury for use in mercury switches. 2,134,694; Nov. 1.

Beck, Dunbar, Hadlyme, Conn., assignor, by mesne assignments, to Steinway & Sons, New York, N. Y. Piano. 2,134,680; Nov. 1.

Becker, Helmut, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany. Moving picture camera. 2,135,026; Nov. 1.

Becton, Dickinson & Co. (See Dickinson, F. S., and Lawshe, assignors.)

Keekhuis, Herman A., Jr., Petersburg, Va., assignor, by mesne assignments, to The Solvay Process Company, New York, N. Y. Prevention of corrosion. 2,135,160; Nov. 1.

Beisel, Rex B., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Engine cooling means. 2,134,774; Nov. 1.

Beler, Ernest. (See Luery, M., and Beler.)

Belknap, George J., assignor to The Belknap Manufacturing Company, Bridgeport, Conn. Beer faucet. 2,135,298; Nov. 1.

Belknap Manufacturing Company, The. (See Belknap, George J., assignor.)

Bell, Charles C., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Skiving machine. 2,134,809; Nov. 1.

Bell Telephone Laboratories, Incorporated. (See Knoop, William A., assignor.)

Bellanca, Giuseppe M., Newcastle, Del. Airplane. 2,135,096; Nov. 1.

Benander, Clifford N., Meriden, Conn., assignor, by mesne assignments, to Monowatt Electric Corporation. Press. 2,135,299; Nov. 1.

Bendix Aviation Corporation. (See Chappell, R. R., McCormack, and Colt, assignors.)

Bendix Aviation Corporation. (See Hurley, Roy T., assignor.)

Bendix Products Corporation. (See White, John W., assignor.)

Bendsil, Van L., and L. J. St. John, Bellingham, Wash. Rotary fluid motor. 2,135,161; Nov. 1.

Benge, Frank H., Norristown, Pa., assignor to Continental-Diamond Fibre Company, Newark, Del. Making composite articles. 2,135,380; Nov. 1.

Benson, John R., East St. Louis, Ill. Propeller guard. 2,135,162; Nov. 1.

Bergan, Martin D., Linden, assignor to The Thomas & Betts Co., Elizabeth, N. J. Wire connecter. 2,134,775; Nov. 1.

Berkey, William E. (See Ludwig, L. R., Roman, Johnson, and Berkey.)

Bertl, Max. (See Muenster, W., Bauer, Koeberle, and Bertl.)

Bigman, Morris L., Brooklyn, N. Y. Illuminating attachment for switch devices. 2,134,695; Nov. 1.

Bigman, Morris L., Brooklyn, N. Y. Illuminated switch. 2,134,696; Nov. 1.

Bijur, George, executor. (See Bijur, Joseph.)

Bijur, Joseph, deceased, by G. Bijur, New York, N. Y., executor, assignor to Auto Research Corporation. Lubrication. 2,134,697; Nov. 1.

Bikkers, Alexander, The Hague, assignor to W. F. Poel, Haarlem, Netherlands. Refrigerating machine of the absorption type. 2,134,996; Nov. 1.

Billing, George W., assignor to R. & W. H. Symington & Company Limited, Market Harborough, England. Manufacture or production of material and garments therefrom for bathing and swimming. 2,135,027; Nov. 1.

Billingsley, Wallace R., Daytona Beach, Fla. Trailer. 2,135,097; Nov. 1.

Birge, Ernest N., assignor to Seymour Manufacturing Company, Inc., Seymour, Ind. Scythe snath web. 2,135,273; Nov. 1.

Biandi, Giacomo, Pittsburgh, Pa. Cooking utensil. 2,134,997; Nov. 1.

Blankenbuehler, John H., Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control for welding generators. 2,135,046; Nov. 1.

Blankenbuehler, John H., Edgewood, and I. J. Rees, Turtle Creek, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control for welding generators. 2,135,045; Nov. 1.

Blaser, John. (See Blaser, Paul, assignor.)

Blaser, Paul, assignor of fifty per cent to J. Blaser, Rosevear, Alberta, Canada. Aeroplane propeller drive mechanism. 2,135,381; Nov. 1.

Bloom, Charles F., Vancouver, Wash. Rod weeder. 2,135,382; Nov. 1.

Blumlein, Alan D., Ealing, London, assignor to Electric and Musical Industries Limited, Hayes, England. Television and the like systems. 2,134,851; Nov. 1.

Bodie, William P., Newberry, S. C. Let-off mechanism for looms. 2,135,098; Nov. 1.

Boehmer, Spencer U., Glen Ellyn, Ill. Bag forming process. 2,135,132; Nov. 1.

Bogan, William R., Detroit, Mich. Dispensing apparatus. 2,134,852; Nov. 1.

Bohan, Joseph C. (See Morgan, J. G., and Bohan.)

Boissou, Pierre, assignor to Société Anonyme des Hauts Fourneaux & Fonderies de Pont-a-Mousson, Pont-a-Mousson, France. Making bent pipe elements. 2,134,853; Nov. 1.

Bokovoy, Samuel A., Ventnor, and P. D. Gerber, Woodlynne, N. J., assignors to Radio Corporation of America. Recording device. 2,135,028; Nov. 1.

Boller, Ernest R., Cleveland Heights, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Impregnation of porous materials. 2,135,029; Nov. 1.

Boller, Ernest R., Cleveland Heights, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of wood. 2,135,030; Nov. 1.

Bolognino, Andrew, New York, and J. Jackerson, Brooklyn, N. Y. Automatic ticket registering and checking machine. 2,134,681; Nov. 1.

Bolster, John M., assignor to E. Traficante, Minneapolis, Minn. Accordion strap adjusting device. 2,134,854; Nov. 1.

Boon, Anthonie A., and H. Barknowitz, Amsterdam, and G. M. Ultermark, Haarlem, assignors to L. De Jong, Amsterdam, Netherlands. Electric connecter. 2,135,163; Nov. 1.

Borden, Moro M., assignor to Simplex Valve and Meter Company, Philadelphia, Pa. Vacuum breaker. 2,135,383; Nov. 1.

Boroughs, Eugene J., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Recovering maize oil. 2,135,462; Nov. 1.

Boscow, Arthur L., and A. V. Worthington, Oakland, Calif. Faucet. 2,134,966; Nov. 1.

Bovard, Floyd G. (See Taylor, J. J., and Bovard.)

Bovard, Floyd G., Akron, assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor clamp. 2,135,320; Nov. 1.

Boyle, William J., New York, N. Y. Combined bed table and book holder. 2,134,810; Nov. 1.

Braden, William C., assignor of one-half to T. S. Pates, Brooklyn, N. Y. Variable speed transmission. 2,135,274; Nov. 1.

Bradford, L. C., et al. (See Johnston, Clarence S., assignor.)

Bramer, John R., Brooklyn, N. Y. Advertising or display apparatus. 2,135,207; Nov. 1.

Brandt, Thomas F., Barberton, assignor to The Ohio Brass Company, Mansfield, Ohio. High current bushing. 2,135,321; Nov. 1.

Bray, Ulric B., Palos Verdes Estates, and M. S. Reynolds, San Pedro, assignors to Union Oil Company of California, Los Angeles, Calif. Method and apparatus for coating and protecting metallic objects such as pipes, tanks, and the like from corrosion or other injury. 2,135,208; Nov. 1.

Brantingson, Sigurd, Palisades Park, N. J., assignor to Francis Kell & Son, Inc. Lock construction. 2,135,322; Nov. 1.

Brantingson, Sigurd, Palisades Park, N. J., assignor to Francis Kell & Son, Inc. Lock construction. 2,135,323; Nov. 1.

Breitenstgin, Albert F., assignor to The Geometric Tool Company, New Haven, Conn. Automatic-releasing thread-cutting tool. 2,135,067; Nov. 1.

Brenninger, Alfred W., Pelham, assignor of one-half to J. F. McConnochie, New York, N. Y. Ventilating pipe. 2,134,698; Nov. 1.

Brewster, Oswald C., Litchfield, Conn., assignor to Refinery Engineers, Inc., New York, N. Y. Separation of hydrocarbons. 2,134,699; Nov. 1.

Brewster, Oswald C., Litchfield, Conn., assignor to Refinery Engineers, Inc., New York, N. Y. Separation of hydrocarbons. 2,134,700; Nov. 1.

Brewster, Oswald C., Litchfield, Conn., assignor to Refinery Engineers, Inc., New York, N. Y. Separation of hydrocarbons. 2,134,701; Nov. 1.

Brewster, Oswald C., Litchfield, Conn., assignor to Refinery Engineers, Inc., New York, N. Y. Separation of hydrocarbons. 2,134,702; Nov. 1.

Briggs & Stratton Corporation. (See Jacobi, Edward N., assignor.)

Brinson, Charles A., Palatka, Fla. Tree clamp or cup protector. 2,135,422; Nov. 1.

British & Dominions Feralloy Limited. (See Bampfylde, James W., assignor.)

Brock, Arnold E., Burlingame, assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif. High tension expulsion fuse. 2,135,164; Nov. 1.

Brodton, Edward R., Collingswood, N. J. Vapor condenser. 2,135,432; Nov. 1.

Brown Company. (See Schur, Milton O., assignor.)

Brown, Herman E., New Brunswick, N. J. Manufacture of a therapeutic organic compound. 2,135,031; Nov. 1.

Brown, Kenneth C., et al. (See Rugh, Harry O., assignor.)

Brown, Peter B., Sheffield, England. Gyratory crushing machine. 2,135,324; Nov. 1.

Brownlee, Robert L., Chicago, Ill. Friction clutch. 2,135,384; Nov. 1.

Bruce, E. L., Company. (See Fellman, Evan L., assignor.)

Brye, Carl S., Minnewaukan, N. D. Feed mechanism for grain separators. 2,135,099; Nov. 1.

Bucher, Emmy, New York, N. Y. Hood for baby carriages. 2,134,855; Nov. 1.

Bucher, Joseph, Oak Park, and E. F. Tullar, Wheaton, Ill., assignors to Food Machinery Corporation, San Jose, Calif. Pressure cooler. 2,135,165; Nov. 1.

Bucklen-Bear Laboratories, Inc. (See Bear, Paul S., assignor.)

Burch, Julian R., St. Louis, Mo. Popcorn machine. 2,134,682; Nov. 1.

Burgess Battery Company. (See Burgess, Charles F., assignor.)

Burgess, Charles F., Bokeelia, Fla., assignor to Burgess Battery Company, Freeport, Ill. Flashlight. 2,134,856; Nov. 1.

Burgess, Charles F., Bokeelia, Fla., assignor to Burgess Battery Company, Freeport, Ill. Hand lamp switch. 2,134,857; Nov. 1.

Burhop, Baldwin, Milwaukee, Wis. Hydraulic transmission. 2,134,776; Nov. 1.

Burnett, Alexander H. (See Munn, J., and Burnett.)

Burt, Clarence E., Los Angeles, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Making cast iron slips for oil tools. 2,134,749; Nov. 1.

Burt, Robert V., Cincinnati, R. A. Duncan, and R. J. Short, Wyoming, assignors to The Procter & Gamble Company, Cincinnati, Ohio. Apparatus for finishing soap. 2,135,325; Nov. 1.

Bush, A. G. (See Criner, Harry J., assignor.)

Bussmann, Henry T., St. Louis, Mo. Enclosed fuse. 2,135,166; Nov. 1.

Byron, Ralph, assignor to J. O. Ross Engineering Corporation, New York, N. Y. Metallic lithographic oven. 2,134,906; Nov. 1.

Cabot, Godfrey L., Inc. (See Offutt, Harold H., assignor.)

Caddy, George J., Saugus, Mass. Apparatus for filling cartons. 2,134,907; Nov. 1.

Calland, Otho G., Barberton, assignor to The Ohio Brass Company, Mansfield, Ohio. Assembling electric insulators. 2,135,326; Nov. 1.

Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Filter. 2,135,100; Nov. 1.

Campbell, William J., assignor to Petroleum Machinery Corporation, New York, N. Y. Swab device for wells. 2,135,167; Nov. 1.

Cannon, John W., Plainfield, N. J. Fluid fuel burning apparatus. 2,135,275; Nov. 1.

Cannon, William W., assignor to Alpha Products Company, New York, N. Y. Liquid measuring dispensing valve. 2,135,168; Nov. 1.

Carbide and Carbon Chemicals Corporation. (See Smith, Omar H., assignor.)

Carlson, Oscar, East Providence, assignor to Dolan & Bullock, Providence, R. I. Collar holder. 2,135,169; Nov. 1.

Carpenter, J. Ross, Cheyenne, Wyo. Cutting agatized petrified wood. 2,135,047; Nov. 1.

Carr-Lowrey Glass Co. (See Patterson, Robert A., assignor.)

Carrier Corporation. (See Jones, Walter, assignor.)

Casto, William H. (See Hull, M. R., Morrow, and Casto.)

Cavalcante, Jonathan S., Brooklyn, N. Y., assignor to Trans-Lux Corporation. Apparatus for pulling tape. 2,134,998; Nov. 1.

Cavanagh, James, Cohasset, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe and making the same. 2,135,170; Nov. 1.

Celanese Corporation of America. (See Seymour, G. W., and Salvin, assignors.)

Celanese Corporation of America. (See Thomas, E. B., and Oxley, assignors.)

Century Electric Company. (See Hamilton, James L., assignor.)

Chain Belt Company. (See Ball, Charles F., assignor.)

Chain Belt Company. (See Devine, B. F., and Ball, assignors.)

Chain Belt Company. (See Longenecker, C. I., and Ball, assignors.)

Chain Belt Company. (See Steindorf, R. T., and Lind, assignors.)

Chappell, Ralph R., Richmond, Va., and D. McCormack, and R. B. Colt, Baltimore, Md., assignors to Bendix Aviation Corporation, South Bend, Ind. Air conditioning system. 2,135,101; Nov. 1.

Charlston, Gustave A., Portland, Oreg. Safety guard for glass coffee makers. 2,135,102; Nov. 1.

Chemische Forschungsgelischoft m. b. H. (See Herrmann, Willy O., assignor.)

Chireix, Henri, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Wave demodulating means. 2,135,171; Nov. 1.

Christian, Raymond A., assignor to The National Cash Register Company, Dayton, Ohio. Calculating machine. 2,134,683; Nov. 1.

Church, Harold D., Cleveland Heights, Ohio. Internal combustion engine. 2,134,811; Nov. 1.

Cincinnati Bickford Tool Company, The. (See Schauer, Lawrence L., assignor.)

Cincinnati Traction Bldg. Company, The. (See Schoepf, T. H., and Ritchie, assignors.)

Circo Products Company. (See Ralston, Eldon K., assignor.)

Clamp Nail Company. (See Putman, Mabel C., assignor.)

Clancy, Fred V., Los Altos, Calif. Solenoid. 2,134,777; Nov. 1.

Clark Equipment Company. (See Dunham, Elmer J., assignor.)

Clark, John, Walkerton, Ind. Railroad anticreeper. 2,134,750; Nov. 1.

Clark, Otto B., assignor to The Lubrication Corporation, Chicago, Ill. Clamping device. 2,134,858; Nov. 1.

Clark Thread Company, The. (See Frame, Robert M., assignor.)

Clarke, Henry B., Grosse Pointe, Mich., assignor, by mesne assignments, to H. R. Gross, Chicago, Ill. Viscosity regulator. 2,134,778; Nov. 1.

Clarke, Louis A. (See Taveau, R. D., Clarke, and Manley.)

Clausing, George, assignor to Vulcan Corporation, Portsmouth, Ohio. Shoe last. 2,135,172; Nov. 1.

Clausing, Henry, assignor to Vulcan Corporation, Portsmouth, Ohio. Remodeled shoe last. 2,135,173; Nov. 1.

Clifford, Roger W., Schenectady, assignor to American Locomotive Company, New York, N. Y. Valve gear for distribution valves of steam locomotives. 2,135,032; Nov. 1.

Climax Molybdenum Company. (See Linz, Arthur, assignor.)

Cloutier, Arthur N. (See Lawson, R. H., and Cloutier.)

Cobb, Lonnie E., Birmingham, Ala., assignor to Goslin-Birmingham Manufacturing Company, Inc. Filter drum construction. 2,134,703; Nov. 1.

Coddington, Howard O. (See Andrews, I., and Coddington.)

Cole, Fred H., Oak Park, assignor to Delta-Star Electric Company, Chicago, Ill. Metal-clad switch-gear structure. 2,135,250; Nov. 1.

Coleman, Gerald H., and B. C. Hadler, assignors to The Dow Chemical Company, Midland, Mich. 1,1-arloxy halo ethylenes. 2,135,123; Nov. 1.

Coleman, Gerald H., G. V. Moore, and G. B. Stratton, assignors to The Dow Chemical Company, Midland, Mich. Vinylidene chloride reaction product. 2,135,122; Nov. 1.

Collins, Arthur E., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for applying decorative strips to sheet material. 2,135,385; Nov. 1.

Collins, Charles B., Anselmo, Calif. Elevator. 2,134,859; Nov. 1.

Colt, Rutger B. (See Chappell, R. R., McCormack, and Colt.)

Commercial Solvents Corporation. (See Boroughs, Eugene J., assignor.)

Commercial Solvents Corporation. (See Morey, Glen H., assignor.)

Commercial Solvents Corporation. (See Wampner, Herbert L., assignor.)

Compagnie Generale de Telegraphie Sans Fil. (See Chireix, Henri, assignor.)

Compagnie Generale de Telegraphie Sans Fil. (See Ponte, M., and Elie, assignors.)

Coney, James D., assignor to Star-Service Hanger Company, Detroit, Mich. Garment hanger. 2,135,276; Nov. 1.

Coney, James D., assignor to Star-Service Hanger Company, Detroit, Mich. Cover or shield for garment hangers. 2,135,277; Nov. 1.

Conquest, Victor, assignor to Armour and Company, Chicago, Ill. Motor fuel containing nitriles. 2,135,327; Nov. 1.

Consolidated Expanded Metal Companies, The. (See Harkness, John C., assignor.)

Consolidated Steel Corp. (See Jost, Leslie G., assignor.)
Continental Can Company. (See Smith, Dixon H., assignor.)
Continental-Diamond Fibre Company. (See Benge, Frank H., assignor.)
Cookware Company of America. (See Howlett, Lewis G., assignor.)
Coolidge, Joseph R., Sandwich, N. H., assignor, by mesne assignments, to Montan Pole Co., Boston, Mass. Wood impregnating apparatus. 2,135,463; Nov. 1.
Copeman Laboratories Company. (See Copeman, Lloyd G., assignor.)
Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Package structure. 2,134,908; Nov. 1.
Corkery, Frank W., Clairton, Pa., assignor to Pennsylvania Industrial Chemical Corporation. Modified pitch. 2,135,424; Nov. 1.
Corkery, Frank W., Clairton, Pa., assignor to Pennsylvania Industrial Chemical Corporation. Treatment of still residue. 2,135,426; Nov. 1.
Corkery, Frank W., Crafton, Pa. Residual gum. 2,135,423; Nov. 1.
Corkery, Frank W., Crafton, Pa. Paint oil. 2,135,425; Nov. 1.
Corkery, Frank W., Crafton, Pa. Mastic tile. 2,135,428; Nov. 1.
Corkery, Frank W., Crafton, Pa. Producing a tile base. 2,135,429; Nov. 1.
Corkery, Frank W., Crafton, Pa. Treatment of still residue. 2,135,430; Nov. 1.
Corkery, Frank W., Crafton, Pa., assignor to Pennsylvania Industrial Chemical Corporation. Treatment of still residue. 2,135,427; Nov. 1.
Cormier, Arthur, Montreal, Quebec, Canada. Folding paper box. 2,134,860; Nov. 1.
Corn Products Refining Company. (See Irey, Kenneth M., assignor.)
Corn Products Refining Company. (See Leuck, Gerald J., assignor.)
Corn Products Refining Company. (See Veatch, Collins, assignor.)
Cornell, Virgil H., New York, N. Y. Field photostating apparatus. 2,134,704; Nov. 1.
Countryman, Guy A., Ashland, Ohio. Attachment for hydraulic jacks. 2,135,278; Nov. 1.
Courtney, Francis T., Great Neck, N. Y. Airplane launching. 2,135,033; Nov. 1.
Courtney, John F., Florence, S. C., assignor of one-half to H. S. Dennis, Augusta, Ga. Railway amusement apparatus. 2,135,230; Nov. 1.
Cox, Henry E., Bristol, and J. R. Torrance, Bath, England. Roller and roller and breast mills. 2,135,174; Nov. 1.
Crabbe, Lindsay T., assignor to Phoenix Metal Cap Co., Inc., Chicago, Ill. Closure for containers. 2,135,386; Nov. 1.
Crago, Harry R., Caldwell, N. J., assignor to General Electric Company. Selective control for air-conditioning apparatus. 2,135,300; Nov. 1.
Crecca, John D., U. S. Navy. Securing sheathing to metal. 2,134,705; Nov. 1.
Crescent Manufacturing Co. (See Uren, Joseph W., assignor.)
Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Bread slicing machine. 2,134,684; Nov. 1.
Crise Electric Manufacturing Company. (See Crise, George W. and W. P., assignors.)
Crise, George W. and W. P., assignors, by direct and mesne assignments, to Crise Electric Manufacturing Company, Mount Vernon, Ohio. Operating shaded pole motors. 2,134,685; Nov. 1.
Crise, Wilford P. (See Crise, George W. and W. P.)
Critchfield, Robert M., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Sounding signal device. 2,135,328; Nov. 1.
Crompton & Knowles Loom Works. (See Dacey, Edward J., assignor.)
Crompton & Knowles Loom Works. (See Holmes, Elbridge R., assignor.)
Crompton & Knowles Loom Works. (See Payne, Oscar V., assignor.)
Crompton & Knowles Loom Works. (See Regan, John, assignor.)
Crompton & Knowles Loom Works. (See Robertson, William W., assignor.)
Crompton & Knowles Loom Works. (See Turner, Richard G., assignor.)
Crosley Radio Corporation, The. (See Johnston, Fred E., assignor.)
Crosse, Margaret. (See Moon, Alexandra, assignor.)
Crouch, Richard H., assignor to Automatic Machinery Corporation, Pulaski, Va. Round corner. 2,134,999; Nov. 1.
Crouch, Richard H., assignor to Automatic Machinery Corporation, Pulaski, Va. Round corner. 2,135,000; Nov. 1.
Crown Cork & Seal Co. Inc. (See Pearson, Thomas F., assignor.)
Crown Cork & Seal Company. (See Dellgren, Karl, assignor.)
Cummings, Thomas L. (See Haring, Ivan P., assignor.)
Cunningham, Orin D. (See Derby, I. H., and Cunningham.)
Currie, William E., Flushing, N. Y., assignor to Standard-I. G. Company. Production of blended antiknock motor fuels containing polymerized gasoline. 2,135,068; Nov. 1.
Curry, Percy S., Philadelphia, assignor to Textile Machine Works, Wyomissing, Pa. Thread carrier control mechanism for straight knitting machines. 2,135,329; Nov. 1.
Cutler-Hammer, Inc. (See Rach, John C., assignor.)
Dacy, Edward J., Philadelphia, Pa., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Axminster loom. 2,135,133; Nov. 1.
Daimler-Benz Aktiengeselischaft. (See Wagner, Max, assignor.)
David, Eugene S., assignor of one-half to R. L. Alexander, Jacksonville, Tex. Attachment for flush-tank valves. 2,135,231; Nov. 1.
Davis, Garland H. B. (See Spicer, W. E., and Davis.)
Dawn, George J., Waukegan, Ill. Retriever. 2,135,232; Nov. 1.
Deister, Emil E. and I. F., assignors to Deister Machine Co., Fort Wayne, Ind. Vibrating screen. 2,135,069; Nov. 1.
Deister, Irwin F. (See Deister, Emil E. and I. F.)
Deister Machine Co. (See Deister, Emil E. and I. F., assignors.)
De Jong, Louis. (See Boon, A. A., Barknowitz, and Uitermark, assignors.)
De Lancey, Warren H., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Pumping apparatus. 2,134,686; Nov. 1.
Delaney, Warren L., Lewiston, Maine. Shoe. 2,135,233; Nov. 1.
Delfs, Detlef, Leverkusen, H. Kleiner, Cologne-Mulheim, and T. Kollmann, Leverkusen, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs. 2,135,433; Nov. 1.
Dell, James A. (See Watkins, E. G., and Dell.)
Dellgren, Karl, Stockholm, Sweden, assignor, by mesne assignments, to Crown Cork & Seal Company, Inc., Baltimore, Md. Coating iron or steel articles with aluminum. 2,135,387; Nov. 1.
Dellgren, Karl, Stockholm, Sweden, assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Coating iron or steel articles with aluminum. 2,135,388; Nov. 1.
Delta-Star Electric Company. (See Cole, Fred H., assignor.)
Dempsey, Clarence M., Calgary, Alberta, Canada. Cement and iron combined post base. 2,135,389; Nov. 1.
Dennis, Heyward S. (See Courtney, John F., assignor.)
De Nooij, Jan C., Ghent, Belgium, D. J. Gerritsen, Arnhem, Netherlands, and A. A. Jucker, Manchester, England. Regenerating waste sulphuric acid by oxidizing impurities. 2,134,909; Nov. 1.
Derby, Ira H., and O. D. Cunningham, assignors to P. C. Reilly, Indianapolis, Ind. Flotation and agent therefor. 2,134,706; Nov. 1.
De Seversky, Alexander P., New York, N. Y. Aircraft wing structure. 2,135,464; Nov. 1.
Desser, Michael S., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Dispensing container. 2,135,330; Nov. 1.
Detroit Harvester Company. (See Nicholson, Stanley W., assignor.)
Devine, Bernard F., Milwaukee, and C. F. Ball, Wauwatosa, assignors to Chain Belt Company, Milwaukee, Wis. Concrete-mixing apparatus. 2,135,439; Nov. 1.
De Voursney, Andrew M., Milwaukee, Wis. Safe and liner therefor. 2,134,861; Nov. 1.
De Wein, George F. (See Newhouse, R. C., and De Wein.)
Dichter, Jakob, Berlin-Schoneburg, Germany. Method and machine for fitting closures on containers. 2,135,390; Nov. 1.
Dick, Herman E., Chicago, Ill. Valve handle. 2,134,812; Nov. 1.
Dickinson, Fairleigh S., and E. R. Lawshe, assignors to Becton, Dickinson & Co., Rutherford, N. J. Needle carriage for hypodermic needles. 2,135,279; Nov. 1.
Dictaphone Corporation. (See Renholdt, John E., assignor.)
Dietz, William C. F., Cincinnati, Ohio, assignor of one-half to W. K. Voss, Davenport, Iowa. Safety device for clothes wringers. 2,134,779; Nov. 1.
Diniglia, Sam, Kankakee, Ill. Track aligning tool. 2,134,813; Nov. 1.
Dimick, Daniel B., Newton, Mass. Lock-joint subdrainage pipe. 2,135,103; Nov. 1.
Dinzl, Richard W., Narberth, Pa., assignor, by mesne assignments, to Baldwin-Southwark Corporation. Hydraulic transmission. 2,134,707; Nov. 1.
Dirkes, Robert F. (See Kimball, V. R., and Dirkes.)
Dirkes, Robert F. (See Kimball, V. R., Dirkes, and Wheeler.)
Dirkes, Robert F. (See Wheeler, E. R., Kimball, and Dirkes.)
Dirkes, Robert F., Jamaica, assignor to The Western Union Telegraph Company, New York, N. Y. Electric selector mechanism. 2,134,708; Nov. 1.
Dirkes, Robert F., Jamaica, N. Y., and G. I. Roberts, Cresskill, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Telegraph transmitter. 2,135,377; Nov. 1.
Dodge, H. B., and Company. (See Nottingham, Edward B., assignor.)

Dolan & Bullock. (See Carlson, Oscar, assignor.)
Dondlinger, Eugene J., Chicago, Ill. Road vehicle construction. 2,135,301; Nov. 1.
Doolittle, Douglass, La Grange, assignor to Salesvertising Associates, Inc., Chicago, Ill. Advertising device. 2,135,331; Nov. 1.
Double E. Patents, Inc. (See Englar, Lillian G., assignor.)
Dow Chemical Company, The. (See Coleman, G. H., and Hadler, assignors.)
Dow Chemical Company, The. (See Coleman, G. H., Moore, and Stratton, assignors.)
Dow Chemical Company, The. (See Hoy, J. E., and Harris, assignors.)
Doyle, Willis G., assignor to Hydraulic Brake Company, Detroit, Mich. Fluid pressure device. 2,134,780; Nov. 1.
Dreshfield, Arthur C., Kalamazoo, Mich., and H. A. Johnstone, Savannah, Ga., assignors, by mesne assignments, to Hercules Powder Company, Wilmington, Del. Making a size. 2,134,911; Nov. 1.
Dreshfield, Arthur C., Kalamazoo, Mich., and H. A. Johnstone, Savannah, Ga., assignors, by mesne assignments, to Hercules Powder Company, Wilmington, Del. Rosin size. 2,134,912; Nov. 1.
Drew, Frank L., Aberdeen, Md. Nondrip nozzle. 2,134,709; Nov. 1.
Drissen, Wallace W. (See Goldberg, M. W., and Drissen.)
Dudley Lock Corporation. (See Winning, Robert K., assignor.)
Duncan, Robert A. (See Burt, R. V., Duncan, and Short.)
Dunford, Ernest, assignor to Landis Machine Company, St. Louis, Mo. Edge trimmer grinder. 2,134,751; Nov. 1.
Dunham, Elmer J., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Drive axle construction. 2,134,687; Nov. 1.
Dunnam, Mack W., assignor to Favorite Foods Ltd., Vancouver, British Columbia, Canada. Tamale machine. 2,134,862; Nov. 1.
Du Pont, E. I., de Nemours & Company. (See Boller, Ernest R., assignor.)
Du Pont, E. I., de Nemours & Company. (See Hill, J. W., and Jacobson, assignors.)
Du Pont, E. I., de Nemours & Company. (See Larson, Alfred T., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lee, H. R., and Klein, assignors.)
Du Pont, E. I., de Nemours & Company. (See Loder, Donald J., assignor.)
Du Pont, E. I., de Nemours & Company. (See McAlevy, Ambrose, assignor.)
Du Pont, E. I., de Nemours & Company. (See Schultz, Raymond F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Strain, Daniel E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Tinker, J. M., Spiegler, and Klein, assignors.)
Du Pont, E. I., de Nemours & Company. (See Walker, Joseph F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Walker, J. F., and Turnbull, assignors.)
Du Pont, E. I., de Nemours & Company. (See Woodhouse, John C., assignor.)
Durgen, Leo, San Francisco, Calif. Filter. 2,134,967; Nov. 1.
Dvorak, Myrtle C., Cicero, Ill. Crayon holder and protector. 2,134,863; Nov. 1.
Dvorak, Wencil C., Dodge, Nebr. Paste tube. 2,134,910; Nov. 1.
E. A. Laboratories, Inc. (See Meyerhoefer, Carl E., assignor.)
Easy Washing Machine Corporation. (See Geldhof, Peter E., assignor.)
Eclipse Aviation Corporation. (See McNeil, Charles I., assignor.)
Eclipse Aviation Corporation. (See Smith, Wesley L., assignor.)
Eclipse Aviation Corporation. (See Zwack, Raymond T., assignor.)
Economy Forms Corporation. (See Jennings, William A., assignor.)
Eddy, Spencer B., et al., receivers. (See Abrams, Horace M., assignor).
Edwards, Arthur W., Hollinwood, England, assignor to Ferranti Electric Inc., New York, N. Y. Radio or like receiver. 2,134,913; Nov. 1.
Edwards, William N., White Deer, Tex. Latch. 2,135,209; Nov. 1.
Ehlers, George M., assignor, by mesne assignments, to Globe-Union Inc., Milwaukee, Wis. Making resistor elements. 2,134,752; Nov. 1.
Ehlers, George M., assignor to Globe-Union Inc., Milwaukee, Wis. Packaging device. 2,135,134; Nov. 1.
Eitel, William W., and J. A. McCullough, San Bruno, Calif. Method and apparatus for exhausting tubes. 2,134,710; Nov. 1.
Eldred, Byron E., Scarsdale, N. Y. Continuous casting of metal shapes. 2,135,465; Nov. 1.
Electric and Musical Industries Limited. (See Blumlein, Alan D., assignor.)
Electrolux Corporation. (See Karlstrom, Johan F. R., assignor.)
Elevator Supplies Co. (See Bassett, Cyrus W., assignor.)
Elevator Supplies Company. (See Zarafu, Herman, assignor.)
Elie, Luc M. (See Ponte, M., and Elie.)
Elliott, Harmon P., Watertown, Mass. Addressing and tabulating machine. 2,134,814; Nov. 1.
Elliott, Harmon P., Watertown, Mass. Printing. 2,134,815; Nov. 1.
Emmons Loom Harness Company. (See Hall, James S., assignor.)
Endicott, Solomon C., Eugene, Oreg. Quick-acting closure for tubes, bottles, and the like. 2,134,968; Nov. 1.
Engel, Friedrich V. A. E., and A. L. Hancock, London, England, assignors to Republic Flow Meters Company, Chicago, Ill. Flowmeter. 2,134,864; Nov. 1.
Englar, Lillian G., Crestwood, Yonkers, assignor, by mesne assignments, to Double E. Patents, Inc., New York, N. Y. Display device. 2,135,124; Nov. 1.
Erdmann, Konrad, Radenthein, Austria, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa. Production of magnesium. 2,134,969; Nov. 1.
Erickson, John, Detroit, Mich. Hinge. 2,135,280; Nov. 1.
Essery, Evan R., Maywood, assignor to Standard Oil Company, Chicago, Ill. Liquid storing and dispensing device. 2,134,865; Nov. 1.
Esters, Joseph H., assignor to Harnischfeger Corporation, Milwaukee, Wis. Car body. 2,134,866; Nov. 1.
Etheredge, Lucius K. (See Wilson, Paul B., assignor.)
Everson, Roy B., Chicago, Ill. Gas measuring and dispensing apparatus. 2,135,302; Nov. 1.
Fabbrica Italiana Magneti Marelli Societa Anonima. (See Kamenarović, Leone, assignor.)
Faffer, Rhoda, trustee. (See Lewis, Frank D., assignor.)
Fairbanks, Morse & Co. (See Hobart, Franklin G., assignor.)
Fallon, John, Smethwick, near Birmingham, England. Roller for conveyer furnaces. 2,135,175; Nov. 1.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmington, Del. Sealing and lubricating device. 2,135,251; Nov. 1.
Farnsworth Television Incorporated. (See Rutherford, Robert E., assignor.)
Farrar, John R., Cleveland, Ohio. Golf ball. 2,135,210; Nov. 1.
Favorite Foods Ltd. (See Dunnam, Mack W., assignor.)
Fellman, Evan L., assignor to E. L. Bruce Company, Memphis, Tenn. Termite control. 2,135,391; Nov. 1.
Felsing, Howard, Wheeling, W. Va. Ingot stool. 2,134,970; Nov. 1.
Ferguson, Rector C., Moline, Ill., assignor to International Harvester Company. Corn harvester gathering mechanism. 2,134,867; Nov. 1.
Ferranti Electric Inc. (See Edwards, Arthur W., assignor.)
Ferrocart Corporation of America. (See Fill, John V., assignor.)
Fetters, Andy M., Payette, Idaho. Thinning and weeding machine. 2,134,816; Nov. 1.
Fill, John V., Chicago, Ill., assignor to Ferrocart Corporation of America, New York, N. Y. Dual band antenna transformer. 2,135,234; Nov. 1.
Finestone, Arthur, Montreal, Quebec, Canada. Fuel heating and vaporizing system for internal combustion engines. 2,135,001; Nov. 1.
Fisher, Isadore J., Dallas, Tex. Machine for hulling nut meats from their shells. 2,135,393; Nov. 1.
Fisher, Lyman C. (See Frank, W. H., and Fisher.)
Fisher, Lyman C., and W. H. Frank, Detroit, Mich. Detachable collector. 2,134,753; Nov. 1.
Fisher, Ralph D., Long Beach, assignor to Baash-Ross Tool Company, Los Angeles, Calif. Spider. 2,135,070; Nov. 1.
Fitz Gerald, John J., New York, N. Y. Receptacle. 2,135,392; Nov. 1.
Fitzgerald Manufacturing Company. (See Fitzgerald, Martin D., assignor.)
Fitzgerald, Martin D., assignor to Fitzgerald Manufacturing Company, Torrington, Conn. Gasket. 2,134,868; Nov. 1.
Flatley, John H., Little York, Ill. Smoker's pipe. 2,134,781; Nov. 1.
Fleak, Glen D., Beaumont, Tex., assignor of one-fourth to H. A. Mitchem, one-fourth to C. M. Lewis, Lake Charles, La., and one-fourth to W. D. Fleak, Chicago, Ill. Amusement device. 2,135,176; Nov. 1.
Fleak, W. D., et al. (See Fleak, Glen D., assignor.)
Fletcher, Theodore, assignor to R. D. Ward, Wilmington, Del. Erasing shield. 2,134,688; Nov. 1.
Flett, Lawrence H., Hamburg, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Production of nuclear alkyl derivatives of phenols. 2,134,711; Nov. 1.
Flett, Lawrence H., Hamburg, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Production of alkyl phenol sulphonates. 2,134,712; Nov. 1.
Flint, Harry M., and C. Schermerhorn, assignors to The Gates Rubber Company, Denver, Colo. Apparatus for forming automobile floor mats. 2,134,754; Nov. 1.
Folberth, Frederick G. and W. M., Cleveland, Ohio. Vehicle control apparatus. 2,135,071; Nov. 1.
Folberth, William M. (See Folberth, Frederick G. and W. M.)
Food Machinery Corporation. (See Bucher, J., and Tullar, assignors.)

Food Machinery Corporation. (See Hait, James M., assignor.)
Food Machinery Corporation. (See Morse, J. W., and Phillips, assignors.)
Forster, Alfred L., Glasgow, Scotland, assignor to Owens-Illinois Glass Company. Apparatus for making glass fiber mats. 2,135,072; Nov. 1.
Foster, Claud H., South Euclid, Ohio. Shock absorber. 2,135,281; Nov. 1.
Föttinger, Hermann, Berlin-Charlottenburg, Germany. Power transmission device. 2,135,282; Nov. 1.
Found, Clifton G., Schenectady, N. Y., assignor to General Electric Company. Producing polychromatic light. 2,135,283; Nov. 1.
Found, Clifton G., Schenectady, N. Y., assignor to General Electric Company. Cathodic lamp. 2,135,284; Nov. 1.
Fourness Development Corporation Ltd. (See Fourness, Wilfred, assignor.)
Fourness, Wilfred, Oakland, Calif., assignor, by mesne assignments, to Fourness Development Corporation Ltd. Reciprocating compressor. 2,134,782; Nov. 1.
Fox, Harold C., Waterloo, Iowa. Margin-regulating stop. 2,135,177; Nov. 1.
Frame, Robert M., assignor to The Clark Thread Company, Newark, N. J. Roll-forming machine. 2,134,914; Nov. 1.
Frank, William H. (See Fisher, L. C., and Frank.)
Frank, William H., and L. C. Fisher, Detroit, Mich. Electrical distribution system. 2,134,755; Nov. 1.
French, Alfred W., Chicago, Ill. Machine for spreading and finishing plastic pavements. 2,134,689; Nov. 1.
Frese, Joseph F., assignor to Monitor Controller Company, Baltimore, Md. Air cooling system for railway cars. 2,135,125; Nov. 1.
Freudenberg, Gotthard, assignor to The Nestle-Lemur Company, New York, N. Y. Hair-waving heater. 2,134,860; Nov. 1.
Freyn Engineering Company. (See Rice, Owen R., assignor.)
Frick, Chester A., Muncie, Ind. Metal shearing machine. 2,135,002; Nov. 1.
Frölich, Ernst. (See Holzapfel, Attalus, assignor.)
Fruth, Hal F., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Resistance element. 2,134,870; Nov. 1.
Fuel Development Corporation. (See Kimball, Leo B., assignor.)
Gaines, Eugene F., Merion, assignor to H. B. Taylor and C. W. Larner, Philadelphia, Pa. Hose and supporter. 2,135,434; Nov. 1.
Gardner, Clarence V., assignor to Hydraulic Brake Company, Detroit, Mich. Cylinder cup. 2,134,783; Nov. 1.
Gary, Wright W., Great Neck, N. Y., assignor to Gasoline Products Company, Inc., Newark, N. J. Conversion of hydrocarbon oil. 2,135,332; Nov. 1.
Gasoline Products Company. (See Gary, Wright W., assignor.)
Gates Rubber Company, The. (See Flint, H. M., and Schermerhorn, assignors.)
Geissen, Carl, Berlin-Schoneberg, Germany, assignor of one-half to Rheinmetall-Borsig Aktiengesellschaft. Power plant suspension means. 2,135,394; Nov. 1.
Geldhof, Peter E., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Ironing machine. 2,134,915; Nov. 1.
General Aniline Works, Inc. (See Delfs, D. Kleiner, and Kollman, assignors.)
General Aniline Works, Inc. (See Kleiner, H., Bayer, and Kunze, assignors.)
General Aniline Works, Inc. (See Morschel, H., and Goll, assignors.)
General Aniline Works, Inc. (See Muenster, W., Bauer, Koeberle, and Bertl, assignors.)
General Aniline Works, Inc. (See Neresheimer, H., Vilsmeier, and Heymann, assignors.)
General Auto Parts Corporation. (See Rockwell, Edward A., assignor.)
General Electric Company. (See Alexanderson, Ernst F. W., assignor.)
General Electric Company. (See Crago, Harry R., assignor.)
General Electric Company. (See Found, Clifton G., assignor.)
General Electric Company. (See Gibson, Hal, assignor.)
General Electric Company. (See Herrlinger, Fritz, assignor.)
General Electric Company. (See Hoffmann, Bruno, assignor.)
General Electric Company. (See Killam, Kenneth A., assignor.)
General Electric Company. (See Koenig, Alexander, assignor.)
General Electric Company. (See Loebe, W. W., Müller, and Weinmann, assignors.)
General Electric Company. (See Nolte, Ludwig, assignor.)
General Electric Company. (See Stewart, C. E., and White, assignors.)
General Electric Company. (See Walters, T. R., and Manning, assignors.)
General Electric Company. (See Wardwell, George W., Jr., assignor.)
General Electric Company Limited, The. (See Smart, Norman C., assignor.)
General Motors Corporation. (See Anderson, William B., assignor.)
General Motors Corporation. (See Critchfield, Robert M., assignor.)
General Motors Corporation. (See Getchell, R. M., and Miller, assignors.)
General Motors Corporation. (See Newill, Edward B., assignor.)
General Motors Corporation. (See Werner, Calvin J., assignor.)
General Railway Signal Company. (See Howe, Winthrop K., assignor.)
General Railway Signal Company. (See Howe, W. K., and Merkel, assignors.)
General Railway Signal Company. (See Mock, James C., assignor.)
General Railway Signal Company. (See Powell, Winfred T., assignor.)
General Railway Signal Company. (See Scheg, Marcian A., assignor.)
General Railway Signal Company. (See Warmington, F. T., and Rupert, assignors.)
Geometric Tool Company, The. (See Breitenstein, Albert F., assignor.)
Gerber, Frank, Fremont, Mich., assignor to Gerber Products Company. Reciprocating cooker. 2,134,817; Nov. 1.
Gerber, Paul D. (See Bokovoy, S. A., and Gerber.)
Gerber Products Company. (See Gerber, Frank, assignor.)
Gerhardt, William F., and W. H. Horn, Detroit, Mich. Vehicle. 2,135,073; Nov. 1.
Gerritsen, Dirk J. (See de Nooij, J. C., Gerritsen, and Jucker.)
Gerry, William, assignor to Shakespeare Products Company, Kalamazoo, Mich. Control device. 2,134,756; Nov. 1.
Getchell, Robert M., and R. K. Miller, Dayton, Ohio, assignors, by mesne assignments, to General Motors Corporation. Motor compressor unit for refrigerating apparatus. 2,134,936; Nov. 1.
Geuder Paeschke & Frey Co. (See Sladky, Alexander C., assignor.)
Gibson, Hal, Dallas, Tex., assignor to General Electric Company. Heat pump. 2,135,285; Nov. 1.
Gibson-Patent Containers, Ltd. (See Page, John E.)
Giffin, Harold W., Trenton, N. J. Joint. 2,135,048; Nov. 1.
Gilbert & Barker Manufacturing Company. (See De Lancey, Warren H., assignor.)
Gilg, Frank X., Elizabeth, assignor to The Babcock & Wilcox Company, Newark, N. J. Fluid heat exchange apparatus. 2,134,713; Nov. 1.
Gilkerson, Francis M. and P. H., St. Louis, Mo. Heel construction for shoes. 2,135,135; Nov. 1.
Gilkerson, Paul H. (See Gilkerson, Francis M. and P. H.)
Gillette Safety Razor Company. (See Testi, Nicholas, assignor.)
Gilman Fanfold Corporation. (See Kelly, Bernard A. I., assignor.)
Glassman, Jacob A., Chicago, Ill. Saccharine-aspirin tablet. 2,134,714; Nov. 1.
Glauber, John J., West Orange, N. J. Closure for collapsible tubes. 2,135,178; Nov. 1.
Gleason, Anthony H. (See Bartlett, J. H., and Gleason.)
Globe-Union Inc. (See Ehlers, George M., assignor.)
Goalwin, Harry A., Togus, Maine. Automobile body construction. 2,134,784; Nov. 1.
Goldberg, Jacob M., Denver, Colo. Sound transmitting ventilator. 2,134,937; Nov. 1.
Goldberg, Jacob M., Denver, Colo. Scriber for moving-picture films. 2,134,938; Nov. 1.
Goldberg, Max W., and W. W. Drissen, assignors to Modern Equipment Company, Port Washington, Wis. Manufacturing ladles. 2,134,785; Nov. 1.
Goldsmith, Alfred N., New York, N. Y. Control system. 2,134,757; Nov. 1.
Goll, Otto. (See Morschel, H., and Goll.)
Goodenow, Julian F., assignor to Goodenow Textiles Company, Kansas City, Mo. Undergarment. 2,134,939; Nov. 1.
Goodenow Textiles Company. (See Goodenow, Julian F., assignor.)
Goodman Manufacturing Company. (See Miller, Frederick B., assignor.)
Goodrich, The B. F., Company. (See Collins, Arthur E., assignor.)
Goodyear Footwear Corporation. (See Marshall, James P., assignor.)
Goslin-Birmingham Manufacturing Company. (See Cobb, Lonnie E., assignor.)
Goy, Wilhelm. (See Piesker, B., and Goy.)
Graham, Wade B., Houston, Tex. Oil burning fire box. 2,134,871; Nov. 1.
Grant, Alvin, Denver, Colo. Photographic enlarger. 2,135,074; Nov. 1.
Grant, Arthur C., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Proportioning cooling system. 2,134,940; Nov. 1.
Grece, Harry H., Detroit, Mich. Car axle lubricator plate. 2,134,872; Nov. 1.
Greene, Edgeworth, Montclair, N. J. Selective dash tire pressure indicator. 2,135,303; Nov. 1.

Griffin, Herbert, Jersey City, N. J., and A. Kindelmann, Floral Park, assignors to International Projector Corporation, New York, N. Y. Film projecting mechanism. 2,134,916; Nov. 1.
Griffin, Robert O., Berkeley, Calif. Selective filing and finding system. 2,134,715; Nov. 1.
Grisdale, George W., assignor to Republic Flow Meters Company, Chicago, Ill. Chart mounting for recording instruments. 2,134,873; Nov. 1.
Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,135,477; Nov. 1.
Gross, Henry R. (See Clarke, Henry B., assignor.)
Grover, Ray, Milwaukee, Wis. Furnace blower mounting. 2,135,252; Nov. 1.
Gruse, William A. (See Stevens, D. R., and Gruse.)
Guba, Raymond J., Philadelphia, Pa., assignor to Audubon Wire Cloth Corporation. (Woven wire fabric. 2,135,333; Nov. 1.
Guiberson Corporation, The. (See Guiberson, Samuel A., III, assignor.)
Guiberson, Samuel A., III, assignor to The Guiberson Corporation, Dallas, Tex. Well tubing catcher. 2,135,253; Nov. 1.
Guignon, Emile S., Jr., Kansas City, Mo. Building block. 2,134,941; Nov. 1.
Gulf Oil Corporation. (See Ostergaard, Povl, assignor.)
Gulf Research & Development Company. (See Stevens, D. R., and Gruse, assignors.)
Gunn, Ross, Washington, D. C. Measuring speed and distance by radiant energy. 2,134,716; Nov. 1.
Guthrie, Charles C., and W. S. McElroy, Pittsburgh, Pa. Aging and pickling meat and the like. 2,135,334; Nov. 1.
Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Carton. 2,134,971; Nov. 1.
Hadler, Bartholdt C. (See Coleman, G. H., and Hadler.)
Hagemann, geb. Jungmann. (See Nitz, E., and Hagemann.)
Hagemann, Johanna. (See Nitz, E., and Hagemann.)
Hait, James M., Los Angeles, Calif., assignor to Food Machinery Corporation. Automatic oil return system for turbine pumps. 2,134,818; Nov. 1.
Hall, Guy H. (See Winger, Stover C., assignor.)
Hall, James S., Methuen, assignor to Emmons Loom Harness Company, Lawrence, Mass. Reed with detachable dents. 2,135,136; Nov. 1.
Hall Laboratories, Inc. (See Schwartz, Charles, assignor.)
Hamilton, James L., Richmond Heights, assignor to Century Electric Company, St. Louis, Mo. Base for powered apparatus. 2,134,819; Nov. 1.
Hammer-Bray Company. (See Leonard, Joseph E., assignor.)
Hammerly, Herman J., New Britain, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch. 2,134,717; Nov. 1.
Hancock, Arnold L. (See Engel, F. V. A. E., and Hancock.)
Haney, Roy L., San Francisco, Calif. Gas burner. 2,134,972; Nov. 1.
Hanley, Frank H., Butler, N. J., assignor to American Telephone and Telegraph Company. Telegraph repeater. 2,134,820; Nov. 1.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Reduction of tube noises. 2,135,034; Nov. 1.
Haring, Ivan P., Houston, assignor of two-thirds to T. L. Cummings, Harris County, Tex. Motor. 2,134,786; Nov. 1.
Harkness, John C., Glencoe, Ill., assignor to The Consolidated Expanded Metal Companies. Implement. 2,134,942; Nov. 1.
Harnischfeger Corporation. (See Esters, Joseph H., assignor.)
Harris, Benjamin R., Chicago, Ill. Antiparasitic compositions. 2,134,917; Nov. 1.
Harris, Claire S. (See Hoy, J. E., and Harris.)
Harrison, Edwin S., deceased, Clayton, Mo.; M. J. Harrison, administratrix C. T. A. Brake system. 2,135,003; Nov. 1.
Harrison, Margaret J., administratrix C. T. A.) See Harrison, Edwin S.)
Hartman, Thomas L., assignor of one-third to H. M. Young, one-third to E. J. W. Keagy, and one-third to Reymer & Brothers, Inc., Pittsburgh, Pa. Method of and apparatus for preparing beverages. 2,134,787; Nov. 1.
Harty, William P., assignor to The O'Sullivan Rubber Co., Inc., Winchester, Va. Shoe heel member. 2,135,335; Nov. 1.
Harvey, Ted M., London, England. Apparatus for stereoscopic cinematography. 2,135,049; Nov. 1.
Harwell, Wilbur F., Charlotte, N. C. Knife. 2,134,973; Nov. 1.
Harwood, Channing E., assignor to The Russell Manufacturing Company, Middletown, Conn. Friction clutch. 2,135,126; Nov. 1.
Hause, Charles F., Los Angeles, Calif. Valve handle securing device. 2,134,874; Nov. 1.
Hayes Donahue Manufacturing Co., The. (See Jacobs, Joseph, assignor.)
Hazel-Atlas Glass Company. (See Smith, Frasier, assignor.)
Heacock, Ralph H., Oakiyn, N. J., assignor to Radio Corporation of America. Phonograph. 2,135,035; Nov. 1.
Health Research Foundation, Inc. (See Allen, Simeon C., assignor.)
Hedgecock, William C., Wilmette, assignor to American Steel Foundries, Chicago, Ill. Brake arrangement. 2,134,943; Nov. 1.
Heidloff, Joseph R., assignor to Hydraulic Brake Company, Detroit, Mich. Fluid pressure brake system. 2,135,004; Nov. 1.
Heinrich, H. H., Inc. (See Schmidt, Harry P., assignor.)
Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,134,821; Nov. 1.
Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,134,822; Nov. 1.
Helmuth, Louis W., Lakewood, Ohio. Sleeping garment. 2,135,286; Nov. 1.
Heitne, Laurits P., Volda, Romsdal, Norway. Treatment of dried cassava roots to obtain starch. 2,135,104; Nov. 1.
Hemphill Company. (See Lawson, R. H., and Cloutier, assignors.)
Hemphill Company. (See Lawson, R. H., and Jackson, assignors.)
Hemphill Company. (See Lawson, R. H., and Smith, assignors.)
Hendley, James A., assignor to The Russell Manufacturing Company, Middletown, Conn. Venetian blind ladder-web roll construction. 2,134,918; Nov. 1.
Hensel, Franz R., and E. I. Larsen, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Copper alloys. 2,135,254; Nov. 1.
Hensel, Franz R., and E. I. Larsen, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Copper base alloy. 2,135,336; Nov. 1.
Henze, Joseph J., Detroit, Mich. Crate. 2,134,875; Nov. 1.
Herbest, Thomas R., Jr., Pittsburgh, Pa. Mesh jetty. 2,135,337; Nov. 1.
Hercules Powder Company. (See Dreshfield, A. C., and Johnstone, assignors.)
Herrlinger, Fritz, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Elastic fluid turbine packing. 2,135,304; Nov. 1.
Herrmann, Charles S., Morristown, and F. J. Ott, Newark, N. J., assignors to American Telephone and Telegraph Company. Ladder holder. 2,134,823; Nov. 1.
Herrmann, Willy O., Deisenhofen, assignor to Chemische Forschungsgesellschaft m. b. H., Munich, Germany. Laminated glass. 2,135,075; Nov. 1.
Heymann, Karl. (See Neresheimer, H., Vilsmeier, and Heymann.)
Hiatt, William G., assignor to Phillips Petroleum Company, Bartlesville, Okla. Treating hydrocarbons. 2,134,824; Nov. 1.
Higgins, Ralph, Akron, assignor to The Ohio Brass Company, Mansfield, Ohio. Capacitance coupler. 2,135,338; Nov. 1.
Hill, Julian W., and R. A. Jacobson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical process. 2,134,825; Nov. 1.
Hitner, Harry F., Oakmont, Pa. Electric light reflector. 2,134,788; Nov. 1.
Hongland, Reginald W., Washington, D. C., and C. M. Shepherd, Cottage City, Md., assignors to Automatic Guns, Incorporated, Washington, D. C. Firing pin arrangement for guns. 2,135,005; Nov. 1.
Hobart, Franklin G., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Governor mechanism. 2,134,758; Nov. 1.
Hoe, R., & Co. (See Huck, William F., assignor.)
Hoferer, Daniel W., Long Beach, Calif. Well pump. 2,135,076; Nov. 1.
Hoffman, Henry P., Preston, Iowa. Pocket type cigarette extinguisher. 2,134,826; Nov. 1.
Hoffmann, Bruno, Spandau, Germany, assignor to General Electric Company. Elastic fluid power plant. 2,135,305; Nov. 1.
Hoke, Harry A., Altoona, Pa. Brake mechanism. 2,134,789; Nov. 1.
Holly-Pax, Inc. (See Reynolds, Dutton C., assignor.)
Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Dobby finger for looms. 2,135,137; Nov. 1.
Holtzclaw, John B. (See Winning, C., and Holtzclaw.)
Holzapfel, Attalus, Wiesbaden-Eigenheim, assignor to E. Frölich, Osterode/Harz, Germany. Manufacture of multicolored rubber mixings. 2,135,395; Nov. 1.
Homeyer, August H. (See Whitmore, F. C., Homeyer, and Noll.)
Horn, William H. (See Gerhardt, W. F., and Horn.)
Horster, William H., Tulsa, Okla. Air duct. 2,134,919; Nov. 1.
Houde Engineering Corporation. (See McClanahan, L. C., and Riedel, assignors.)
Houston, Claude M., Pittsburgh, Pa. Star map. 2,135,287; Nov. 1.
Hove, Robert V., Capron, Ill. Floor lime spreader. 2,135,077; Nov. 1.
Howard, John G. (See McDowell, T. E., and Howard.)
Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Relay. 2,134,945; Nov. 1.
Howe, Winthrop K., and J. F. Merkel, assignors to General Railway Signal Company, Rochester, N. Y. Tractive type relay. 2,134,944; Nov. 1.

Howlett, Lewis G., assignor to Cookware Company of America, Hartford, Mich. Cooking utensil. 2,134,759; Nov. 1.

Hoy, John E., and C. S. Harris, assignors to The Dow Chemical Company, Midland, Mich. Impregnating. 2,135,127; Nov. 1.

Hubbard, Karl H., and L. E. Smith, assignors to Taylor Instrument Companies, Rochester, N. Y. Combination well and bulb construction for thermosensitive devices. 2,135,078; Nov. 1.

Huck, William F., Richmond Hill, assignor to R. Hoe & Co., Inc., New York, N. Y. Stereotype plate casting mold. 2,134,827; Nov. 1.

Hudes, Frederick, Kew Gardens, N. Y. Smoker's pipe with removable adjustable cover. 2,135,179; Nov. 1.

Hull, Monroe R., B. S. Morrow, and W. H. Casto, Anaconda, Mont., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Dust seal for crushing machines. 2,134,876; Nov. 1.

Hurford, Edwin, and R. Johnson, Detroit, Mich. Air heater. 2,135,235; Nov. 1.

Hurley, Roy T., Dobbs Ferry, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Radio shielding means. 2,134,946; Nov. 1.

Hurwitz, Nelson, Brooklyn, N. Y. Display form. 2,134,974; Nov. 1.

Hydraulic Brake Company. (See Doyle, Willis G., assignor.)

Hydraulic Brake Company. (See Gardner, Clarence Y., assignor.)

Hydraulic Brake Company. (See Heidloff, Joseph R., assignor.)

Hydraulic Brake Company. (See Loweke, Erwin F., assignor.)

Hyndman, Meade, St. Louis, Mo. Display device. 2,135,306; Nov. 1.

Ihm, Ivan H., and C. F. Tuttle, Richmond, assignors to Standard Oil Company of California, San Francisco, Calif. Rethreading machine for restricted bores. 2,135,339; Nov. 1.

Indiana Fibre Products Corporation. (See Magers, Luther, assignor.)

Ingersoll Milling Machine Company, The. (See Strawn, Marion L., assignor.)

International Harvester Company. (See Fergason, Rector C., assignor.)

International Harvester Company. (See Jedrzykowski, Edmund, assignor.)

International Projector Corporation. (See Griffin, H., and Kindelmann, assignors.)

Irey, Kenneth M., Palisades Park, N. J., assignor, by mesne assignments, to Corn Products Refining Company, New York, N. Y. Molded composition. 2,134,760; Nov. 1.

Isermann, Samuel, Summit, E. Ohlsson, Jersey City, and J. W. Orelup, Summit, N. J. Protective cosmetic. 2,134,947; Nov. 1.

Iwasé, Keizô, assignor to Kinzoku Zairyo Henkyusho (The Research Institute for Iron, Steel and Other Minerals), Sendai, Japan. Treatment of titanium bearing iron ores or spongy iron obtained therefrom. 2,135,466; Nov. 1.

Jackerson, Jacob. (See Bolognino, A., and Jackerson.)

Jackson, Honel A., Detroit, Mich. Eyeshield. 2,135,397; Nov. 1.

Jackson, Joseph G., Oak Park, assignor to The Edward Katzinger Company, Chicago, Ill. Stay for pan sets. 2,135,340; Nov. 1.

Jackson, Joseph G., Oak Park, assignor to The Edward Katzinger Company, Chicago, Ill. Pan set stay. 2,135,341; Nov. 1.

Jackson, Joseph G., Oak Park, assignor to The Edward Katzinger Company, Chicago, Ill. Tubed cakepan. 2,135,342; Nov. 1.

Jackson, William. (See Lawson, R. H., and Jackson.)

Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Spare wheel cover and lock. 2,134,761; Nov. 1.

Jacobi, William H. (See Yost, I. A., and Jacobi.)

Jacobs, Joseph, Bridgeport, assignor to The Hayes Donahue Manufacturing Co., Inc., Milford, Conn. Hair curler. 2,134,762; Nov. 1.

Jacobson, Ralph A. (See Hill, J. W., and Jacobson.)

James, Don S. (See James, Louis H. and D. S.)

James, Louis H. and D. S., Los Angeles, Calif. Printing telegraph. 2,135,398; Nov. 1.

Jedrzykowski, Edmund, Chicago, Ill., assignor to International Harvester Company. Carburetor. 2,134,877; Nov. 1.

Jennings, William A., assignor to Economy Forms Corporation, Des Moines, Iowa. Forming concrete walls. 2,135,079; Nov. 1.

Johnson, Frederick B. (See Ludwig, L. R., Roman, Johnson, and Berkey.)

Johnson, Glenn Q., assignor of one-half to C. J. Kizaur, Chicago, Ill. Garment hanger. 2,135,255; Nov. 1.

Johnson, Harry L., Minneapolis, Minn. Grain separator. 2,135,343; Nov. 1.

Johnson, Herbert L., Boston, Mass. Absorbable insulating animal membrane and sutures and making same. 2,135,399; Nov. 1.

Johnson, James E. (See Joze, Allen T., assignor.)

Johnson, Joseph O., Coalinga, Calif. Highway guard. 2,135,400; Nov. 1.

Johnson, Martin E., Chicago, assignor of one-half to I. J. Wilson, Winnetka, Ill. Plumb bob. 2,135,211; Nov. 1.

Johnson, Richard. (See Hurford, E., and Johnson.)

Johnston, Clarence S., Amarillo, assignor of one and one-half per cent to G. Phipps, Fort Worth, nineteen and thirty-five thirty-sixths per cent to E. M. Keller, three per cent to J. B. Phipps, Jr., and forty-four and four-ninths per cent to F. C. Nelson and L. C. Bradford, Pampa, Tex. Jack. 2,135,080; Nov. 1.

Johnston, Fred E., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Transposed lead-in. 2,135,344; Nov. 1.

Johnston, Harold F., and E. H. Tompkins, assignors to Scovill Manufacturing Company, Waterbury, Conn. Dispenser. 2,135,180; Nov. 1.

Johnstone, Henry A. (See Dreshfield, A. C., and Johnstone.)

Jones, Walter, Princeton, assignor, by mesne assignments, to Carrier Corporation, Newark, N. J. Double wall refrigerator. 2,135,181; Nov. 1.

Jorgensen, Arthur J. (See Young, A. C., and Jorgensen.)

Jost, Leslie G., assignor to Consolidated Steel Corp., Ltd., Los Angeles, Calif. Mullion construction. 2,134,790; Nov. 1.

Joze, Allen T., assignor, by mesne assignments, to J. E. Johnson, Chicago, Ill. Game apparatus. 2,135,182; Nov. 1.

Jucker, Albert A. (See de Nooij, J. C., Gerritsen, and Jucker.)

Junghans, Siegfried, Villingen, Germany. Continuous casting of rods. 2,135,183; Nov. 1.

Junghans, Siegfried, Stuttgart, Germany. Apparatus for continuous casting of metal rods. 2,135,184; Nov. 1.

Jurriaanse, Tom, assignor to N. V. Philips Gloeilampenfabrieken, Eindhoven, Netherlands. Rectifying device. 2,135,006; Nov. 1.

Kadenacy, Michel, Paris, France. Internal combustion engine. 2,134,920; Nov. 1.

Kaklides, Aristides, Haverhill, Mass. Staging. 2,134,975; Nov. 1.

Kamenarović, Leone, assignor to Fabbrica Italiana Magneti Marelli Società Anonima, Milan, Italy. Distributor for fluid pressure brake systems. 2,135,007; Nov. 1.

Kane, Frank A. (See Phillips, Bernard C., assignor.)

Kantor, James, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Crown rest for bottle crowning machines. 2,135,212; Nov. 1.

Kaplan, Max, New York, and G. Rosenberg, New Rochelle, N. Y. Spring lock. 2,134,828; Nov. 1.

Kaplan, Philip, Teaneck, assignor to The Richards Chemical Works, Incorporated, Jersey City, N. J. Soaking silk yarns. 2,135,081; Nov. 1.

Karlstrom, Johan F. R., Bo, Sweden, assignor to Electrolux Corporation, Dover, Del. Vacuum cleaner. 2,135,036; Nov. 1.

Katzinger, Edward, Company, The. (See Jackson, Joseph G., assignor.)

Keagy, E. J. W., et al. (See Hartman, Thomas L., assignor.)

Keator, Edward O., Dayton, Ohio. Vehicle wheel. 2,135,307; Nov. 1.

Kell, Francis, & Son, Inc. (See Brantingson, Sigurd, assignor.)

Keller, E. M., et al. (See Johnston, Clarence S., assignor.)

Kelleweay, Theodore, Yonkers, N. Y. Propeller. 2,134,921; Nov. 1.

Kelly, Bernard A. I., London, England, assignor to Gilman Fanfold Corporation, Niagara Falls, N. Y. Carbon transfer set. 2,135,345; Nov. 1.

Kelly, Martin H., Chatcolet, Idaho. Amusement device. 2,135,082; Nov. 1.

Kendall, Horace C., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Automatic sprinkler and deflector therefor. 2,135,138; Nov. 1.

Kern, Frank J., Brooklyn, N. Y. Knitting machine. 2,135,083; Nov. 1.

Kidd, Rollo J. (See Vagenius, N. H., and Kidd.)

Kift, Arthur L., Wayne, N. Y. Shipping crate. 2,135,401; Nov. 1.

Killam, Kenneth A., Fort Wayne, Ind., assignor to General Electric Company. Vertical labyrinth bearing. 2,135,308; Nov. 1.

Killefer Manufacturing Corporation. (See Mitchell, R. H., Sjogren, and Wadelton, assignors.)

Kimball, Leo B., New Haven, Conn., assignor to Fuel Development Corporation. Controlling the supply of supplementary liquids to power generating devices. 2,135,431; Nov. 1.

Kimball, Vernon R. (See Wheeler, E. R., Kimball, and Dirkes.)

Kimball, Vernon R., Union City, N. J., and R. F. Dirkes, Jamaica, assignors to Western Union Telegraph Company, New York, N. Y. Telegraph printer. 2,135,376; Nov. 1.

Kimball, Vernon R., Union City, N. J.; R. F. Dirkes, Jamaica, N. Y.; and E. R. Wheeler, Plainfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Telegraph printer. 2,135,375; Nov. 1.

Kindelmann, Albert. (See Griffin, H., and Kindelmann.)

Kinzoku Zairyo Henkyusho (The Research Institute for Iron, Steel and Other Minerals). (See Iwasé, Keizô, assignor.)

Kirby, James B., West Richfield, assignor, by mesne assignments, to The Apex Electrical Manufacturing Company, Cleveland, Ohio, as trustee. Clothes washing machine. 2,135,084; Nov. 1.

Kizaur, Charles J. (See Johnson, Glenn Q., assignor.)

Klein, David X. (See Lee, H. R., and Klein.)

Klein, David X. (See Tinker, J. M., Spiegler, and Klein.)

Kleiner, Helmut. (See Delfs, D., Kleiner, and Kollmann.)

Kleiner, Helmut, Cologne-Mulheim, O. Bayer, Leverkusen-I. G. Werk, and W. Kunze, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Water-insoluble azo dyestuffs. 2,135,008; Nov. 1.

Knauff, Harry A., Pittsburgh, Pa. Latch. 2,135,105; Nov. 1.

Knitting Machines Corporation. (See Miller, Max C., assignor.)

Knoop, William A., Hempstead, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge apparatus. 2,134,718; Nov. 1.

Kocher, Edward H., Boonton, N. J., assignor to Auto Research Corporation. Coupling connection. 2,134,719; Nov. 1.

Koeberle, Karl. (See Muenster, W., Bauer, Koberle, and Bertl.)

Koenig, Alexander, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Machine for making filament supporting structures. 2,135,288; Nov. 1.

Kollmann, Theodor. (See Delfs, D., Kleiner, and Kollmann.)

Koppelman, Morris, Brooklyn, N. Y. Plaited article. 2,135,236; Nov. 1.

Koppers Company. (See Schmalenbach, Adolf, assignor.)

Korber, Eugene, Windsor, Ontario, Canada. Refrigerator. 2,135,402; Nov. 1.

Kraekemier, Herman, Bridgeport, Conn. Spring assembly. 2,134,720; Nov. 1.

Kraekemier, Herman, Bridgeport, Conn. Steering mechanism. 2,134,721; Nov. 1.

Kramer, Adolf. (See Staley, M., and Kramer.)

Kunze, Wilhelm. (See Kleiner, H., Bayer, and Kunze.)

La Fortune, Daisy F., Detroit, Mich. Hair waving device. 2,134,878; Nov. 1.

Laing, Robert W., Cleveland Heights, Ohio. Locking device. 2,134,922; Nov. 1.

Lamb, Thomas B. (See Soybel, M. M., and Lamb.)

Lamneck Products, Incorporated. (See Bangert, Charles A., assignor.)

Lamson Company, The. (See Scanlan, Joseph M., assignor.)

Landau, Max, Berlin-Wilmersdorf, Germany, assignor to N. V. Machinerieen-en Apparaten Fabrieken "Mea", Utrecht, Netherlands. Separating hydrocarbon mixtures into fractions. 2,135,009; Nov. 1.

Landis Machine Company. (See Dunford, Ernest, assignor.)

Landon, Vernon D., Haddonfield, N. J., assignor to Radio Corporation of America. Antenna system. 2,135,037; Nov. 1.

Lankenau, John R., Brookline, Mass. Garment and fastening means. 2,134,976; Nov. 1.

Lankenau, John R., Brookline, Mass. Garment and moistureproof cover means. 2,134,977; Nov. 1.

Lapointe Machine Tool Company, The. (See West, Donald H., assignor.)

Larner, Chester W., et al. (See Gaines, Eugene F., assignor.)

Larsen, Earl I. (See Hensel, F. R., and Larsen.)

Larson, Alfred T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation and recovery of aliphatic esters. 2,135,450; Nov. 1.

Lawless, Edward J., Chicago, Ill. Egg carton and filler. 2,134,763; Nov. 1.

Lawshe, Errol R. (See Dickinson, F. S., and Lawshe.)

Lawson, Robert H., Pawtucket, and A. N. Cloutier, Lonsdale, assignors to Hemphill Company, Central Falls, R. I., Pattern mechanism for knitting. 2,135,185; Nov. 1.

Lawson, Robert H., Pawtucket, and W. Jackson, assignors to Hemphill Company, Central Falls, R. I. Lapping machine. 2,135,186; Nov. 1.

Lawson, Robert H., and W. L. Smith, Jr., Pawtucket, assignors to Hemphill Company, Central Falls, R. I. Needle bed for knitting machines. 2,135,187; Nov. 1.

Lee, Henry R., South Milwaukee, and D. X. Klein, Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of aminoanthraquinone sulphonic acids and new compounds obtainable thereby. 2,135,346; Nov. 1.

Leitz, Ernst, G. m. b. H. (See Becker, Helmut, assignor.)

Leonard, Joseph E., Berkeley, assignor to Hammer-Bray Company, Ltd., Oakland, Calif. Adjustable boiler grid. 2,135,309; Nov. 1.

Lesser, James R. (See Van der Essen, L. P., and Lesser.)

Leuck, Gerald J., Evanston, Ill., assignor, by mesne assignments, to Corn Products Refining Company, New York, N. Y. Making corn gluten plastic. 2,134,764; Nov. 1.

Leven, Andrew B., Brisbane, Australia. Regulator. 2,135,010; Nov. 1.

Levinson, Mollie S., Chicago, Ill. Garment. 2,135,139; Nov. 1.

Levy, Michael, Brooklyn, N. Y. Attaching together parts of toys and the like. 2,135,289; Nov. 1.

Levy, Samuel S., Passaic, N. J. Beach shelter. 2,134,879; Nov. 1.

Lewis, C. M., et al. (See Fleak, Glen D., assignor.)

Lewis, Frank D., West Orange, assignor to R. Faffer, as trustee, Perth Amboy, N. J. Emergency tire tool. 2,135,403; Nov. 1.

Lewis, Helen P., and W. S., Idylwood, Va. Closure for containers. 2,135,237; Nov. 1.

Lewis, Walter S. (See Lewis, H. P. and W. S.)

Libbey Glass Company. (See Schutz, Harold R., assignor.)

Lienau, Jacob H., New York, and J. J. Neuman, South Salem, N. Y. Bulk storage for granular materials. 2,134,948; Nov. 1.

Lily Tulip Cup Corporation. (See Reifsnyder, James D., assignor.)

Lind, Arthur C. (See Steindorf, R. T., and Lind.)

Lindeberg, Carl, assignor to The Rudolph Wurlitzer Company, De Kalb, Ill. High frequency reed block. 2,135,310; Nov. 1.

Linder, Ernest G., Philadelphia, Pa., assignor to Radio Corporation of America. High frequency magnetron amplifier. 2,135,038; Nov. 1.

Lindquist, David L., White Plains, assignor to Otis Elevator Company, New York, N. Y. Moving stairway. 2,135,188; Nov. 1.

Linz, Arthur, assignor to Climax Molybdenum Company, New York, N. Y. Producing molybdenum alloys. 2,135,189; Nov. 1.

Liquid Carbonic Corporation, The. (See Kantor, James, assignor.)

Loder, Donald J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Organic acid synthesis. 2,135,448; Nov. 1.

Loder, Donald J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing aliphatic esters. 2,135,449; Nov. 1.

Loder, Donald J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Organic acid synthesis. 2,135,451; Nov. 1.

Loder, Donald J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of aliphatic organic acids and esters. 2,135,452; Nov. 1.

Loder, Donald J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of oxygenated organic compounds. 2,135,453; Nov. 1.

Loder, Donald J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Alcohols from olefines. 2,135,455; Nov. 1.

Loder, Donald J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Separation of constituents from an organic complex. 2,135,456; Nov. 1.

Loder, Donald J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Separation of the constituents in organic complexes. 2,135,457; Nov. 1.

Loder, Donald J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of organic acids from olefines and carbon monoxide. 2,135,459; Nov. 1.

Loder, Donald J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of boron fluoride. 2,135,460; Nov. 1.

Loebe, Walter W., Berlin-Waidmannslust, G. Müller, Blankenfelde, and K. Weinmann, Berlin-Grunau, Germany, assignors to General Electric Company. Sealing-in apparatus for electric lamps and the like. 2,135,290; Nov. 1.

Lofstrand, Anders R., Sr., Washington, D. C. Device for breaking bottles. 2,135,404; Nov. 1.

Long, Armistead R., Summerlee, assignor to Long Super Mine Car Company, Oak Hill, W. Va. Mine car. 2,135,405; Nov. 1.

Long, James W., and E. R. Wheeler, Plainfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Telegraph printer. 2,134,722; Nov. 1.

Long Super Mine Car Company. (See Long, Armistead R., assignor.)

Longenecker, Charles I., and C. F. Ball, Wauwatosa, assignors to Chain Belt Company, Milwaukee, Wis. Charging apparatus for concrete mixers and the like. 2,135,440; Nov. 1.

Lorbeski, John L., Minneapolis, Minn. Vehicle. 2,135,347; Nov. 1.

Loweke, Erwin F., assignor to Hydraulic Brake Company, Detroit, Mich. Brake. 2,134,791; Nov. 1.

Lubrication Corporation, The. (See Clark, Otto B., assignor.)

Ludwig, Leon R., Wilkinsburg, W. G. Roman, Forest Hills, F. B. Johnson, Murraysville, and W. E. Berkey, Forest Hills, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Lightning arrester. 2,135,085; Nov. 1.

Luery, Michael, Wabash, Ind., and E. Beler, Chicago, Ill., assignors, by mesne assignments, to Wilson Sporting Goods Company. Athletic pants. 2,135,213; Nov. 1.

Lupien, Henry B., Manchester, N. H., assignor to North American Holding Corporation, Syracuse, N. Y. Machine for cutting strip material for shoes. 2,134,949; Nov. 1.

MacDonald, Donald R., Leominster, Mass. Method of and apparatus for coating paper. 2,135,406; Nov. 1.

Magers, Luther, assignor to Indiana Fibre Products Corporation, Marion, Ind. Chick box construction. 2,135,140; Nov. 1.

Magnesium Development Corporation. (See Michel, Josef M., assignor.)

Majewski, Joseph M., Jr., assignor to F. L. Talge, operating as Rival Manufacturing Company, Kansas City, Mo. Assembly for hulling peas and slicing beans. 2,135,256; Nov. 1.

Malik, Joseph, assignor of ten percent to Edward Zinney, Cicero, Ill. First-aid kit. 2,135,238; Nov. 1.

Mallinckrodt Chemical Works. (See Whitmore, F. C., Homeyer, and Noll, assignors.)

Mallory, P. R., & Co. (See Fruth, Hal F., assignor.)

Mallory, P. R., & Co. (See Hensel, F. R., and Larsen, assignors.)

Manhattan Company, President and Directors of the, trustee. (See Page, John E., assignor.)

Manley, Robert E. (See Taveau, R. deM., Clarke, and Manley.)

Manning, Emmett W. (See Walters, T. R., and Manning.)

Manton, James S., Oak Park, Ill. Bicycle. 2,135,257; Nov. 1.

Marshall, Alexander, Portland, Oreg. Air cleaner. 2,134,978; Nov. 1.

Marshall, James P., Coventry, R. I., assignor, by mesne assignments, to Goodyear Footwear Corporation. Press for attaching rubber trim. 2,134,723; Nov. 1.

Martin, Erle, West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Aeronautical propeller. 2,135,190; Nov. 1.

Marton, Moses, New York, N. Y. Multiple-electrode holder. 2,135,086; Nov. 1.

Massa, Ernest A., Jr., Haddon Heights, N. J., assignor to Radio Corporation of America. Electric discharge device. 2,135,039; Nov. 1.

Mathias, John C. W., Upper Darby, Pa. Aligner and holder for screw spiking machines. 2,135,087; Nov. 1.

Mauser, Alfons, Cologne-Marienburg, Germany. Tool for applying seal caps. 2,134,923; Nov. 1.

Maverick, George M., Elizabeth, N. J., assignor to Standard Oil Development Company. Built-up lubricating oil. 2,135,092; Nov. 1.

Mayer, Bruno, New York, N. Y. Photographic camera. 2,134,979; Nov. 1.

Maytag Company, The. (See Mikulasek, John, assignor.)

McAlevy, Ambrose, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalyst preparation. 2,135,454; Nov. 1.

McBrady, John A., Valley City, N. Dak. Plate assembly. 2,135,191; Nov. 1.

McClanahan, Luther C., and F. G. Riedel, assignors to Houde Engineering Corporation, Buffalo, N. Y. Heating and cooling system for vehicles. 2,134,724; Nov. 1.

McCloskey, Irving G. (See Rouse, William C., assignor.)

McConnochie, James F. (See Brenninger, Alfred W., assignor.)

McCormack, Denis. (See Chappell, R. R., McCormack, and Colt.)

McCullough, Jack A. (See Eltel, W. W., and McCullough.)

McDowell, Thomas E., Oak Park, and J. G. Howard, assignors to The Pyle-National Company, Chicago, Ill. Self-exciting alternating current machine. 2,134,880; Nov. 1.

McElroy, William S. (See Guthrie, C. C., and McElroy.)

McElroy, Isaac E., and R. H. Shadrick, assignors to Minnesota Appliance Corporation, Minneapolis, Minn. Variable speed pulley. 2,135,348; Nov. 1.

McGauchie, Ernest F. N., Bendigo, Victoria, Australia. Varying the stroke of pump rods or like reciprocating members. 2,135,011; Nov. 1.

McKinney, Henry J., Brookline, Mass. Theater aisle standard. 2,135,311; Nov. 1.

McLarry, James P., Dayton, Wash. Harvester. 2,134,792; Nov. 1.

McNeil, Charles I., Bloomfield, assignor to Eclipse Aviation Corporation, East Orange, N. J. Indicating mechanism. 2,135,106; Nov. 1.

McWane, Henry E., Lynchburg, Va. Mold. 2,134,829; Nov. 1.

Meanley, Gerald B., Miramar, Calif. Measuring device. 2,134,725; Nov. 1.

Meisse, Louis A., assignor to The Ohio Brass Company, Mansfield, Ohio. Impregnation of materials. 2,135,349; Nov. 1.

Meissner, Josef, Burback kreis Siegen, Germany. Nitration of aromatic hydrocarbons. 2,135,012; Nov. 1.

Merkel, Joseph F. (See Howe, W. K., and Merkel.)

Metaphane, Inc. (See Riedel, Otto P., assignor.)

Metz, Ora F., El Paso, Tex., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Variable pitch sheave. 2,135,467; Nov. 1.

Meyer, Aubrey E., Paris, France, assignor to Para Fabrics Corporation, New York, N. Y. Treating textile yarns and products therefrom. 2,135,088; Nov. 1.

Meyer, Vernon H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for applying pressure to shoe bottoms. 2,134,726; Nov. 1.

Meyerhoefer, Carl E., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Heater. 2,135,089; Nov. 1.

Meyers, George R., Hawthorne, N. J., assignor to S. J. Aronsohn, Inc., New York, N. Y. Dyeing multicolored fabrics in the piece. 2,135,350; Nov. 1.

Michel, Josef M., Bitterfeld, Germany, assignor, by mesne assignments, to Magnesium Development Corporation. Producing corrosion resistant coatings on magnesium and high percentage magnesium alloys. 2,134,830; Nov. 1.

Mikulasek, John, assignor to The Maytag Company, Newton, Iowa. Washing machine driving mechanism. 2,134,980; Nov. 1.

Mikulasek, John, assignor to The Maytag Company, Newton, Iowa. Power unit for washing machines. 2,134,981; Nov. 1.

Miller, Charles A., Weatherly, Pa. Apparatus for reforming rail ends. 2,135,107; Nov. 1.

Miller, Frank W., Chicago, Ill. Apparatus for washing and refilling boilers. 2,135,407; Nov. 1.

Miller, Frederick B., assignor to Goodman Manufacturing Company, Chicago, Ill. Loading machine. 2,135,141; Nov. 1.

Miller, Max C., Cumberland, R. I., assignor to Knitting Machines Corporation. Knitting machine. 2,134,727; Nov. 1.

Miller, Ralph K. (See Getchell, R. M., and Miller.)

Milmoe, Michael J., Glen Ellyn, assignor to F. B. Redington Co., Chicago, Ill. Feed mechanism. 2,135,090; Nov. 1.

Minneapolis-Honeywell Regulator Company. (See Grant, Arthur C., assignor.)

Minnesota Appliance Corporation. (See McElroy, I. E., and Shadrick, assignors.)

Mitchell, Jess, St. Louis, Mo. Air conditioning device. 2,134,881; Nov. 1.

Mitchell, Rollie H., and O. W. Sjogren, Huntington Park, and E. F. Wadelton, Los Angeles, assignors to Killefer Manufacturing Corporation, Los Angeles, Calif. Disk mounting. 2,135,192; Nov. 1.

Mitchem, H. A., et al. (See Fleak, Glen D., assignor.)

Mock, James C., Detroit, Mich., assignor to General Railway Signal Company, Rochester, N. Y. Track circuit for railroads. 2,134,982; Nov. 1.

Modern Equipment Company. (See Goldberg, M. W., and Drissen, assignors.)

Moffat, Ralph McC., Pittsburgh, Pa., assignor to Aluminum, Inc. Recovering alumina and potash from aluminous ores. 2,134,793; Nov. 1.

Monitor Controller Company. (See Frese, Joseph F., assignor.)

Monowatt Electric Corporation. (See Benander, Clifford N., assignor.)

Monro, Donald A., assignor to Standard Oil Company, Chicago, Ill. Fractionating apparatus and fractionation. 2,134,882; Nov. 1.

Monsanto Chemical Company. (See Sibley, Robert L., assignor.)

Montan Pole Co. (See Coolidge, Joseph R., assignor.)

Moon, Alexandra, assignor to M. Croose, Los Angeles, Calif. Achieving absolute sterilization. 2,134,924; Nov. 1.

Moon, Cecil L., Marshalltown, Iowa. Bunion pad. 2,134,831; Nov. 1.

Moore, Bart, Jr., San Antonio, Tex. Road roller. 2,134,883; Nov. 1.

Moore, Bart, Jr., San Antonio, Tex. Road roller and transporting same. 2,134,884; Nov. 1.

Moore, Fred W., assignor to National Pumps Corporation, Dayton, Ohio. Self-adjusting pulley. 2,135,214; Nov. 1.

Moore, Garnett V. (See Coleman, G. H., Moore, and Stratton.)

Moore, William E., assignor to Pittsburgh Research Corporation, Pittsburgh, Pa. Electrode clamp. 2,135,408; Nov. 1.

Moorhead, Joseph N., Shaker Heights, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Extrusion. 2,135,193; Nov. 1.

Morey, Glen H., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Solvent refining with nitroalcohols. 2,135,468; Nov. 1.

Morgan, John G., Collingdale, and J. C. Bohan, Prospect Park, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Turbine blade tenon spinning machine. 2,135,040; Nov. 1.

Morrison, John R., Hudson, Ohio. Conveyer. 2,134,832; Nov. 1.

Morrow, Bayard S. (See Hull, M. R., Morrow, and Casto.)

Morschel, Heinrich, Cologne-Deutz, and O. Goll, Leverkusen I. G.-Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs 2,134,728; Nov. 1.

Morschel, Heinrich, Cologne-Deutz, and O. Goll, Leverkusen I. G.-Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Monoazo dyestuffs. 2,135,469; Nov. 1.

Morse, James W., and C. S. Phillips, Lansing, Mich., assignors to Food Machinery Corporation, San Jose, Calif. Turntable for wheel aligners. 2,135,195; Nov. 1.

Morton, Philip, Cincinnati, Ohio. Display sign. 2,134,833; Nov. 1.

Muckle, Paul A., Denver, Colo. Electric vibrator and heater. 2,135,312; Nov. 1.

Muenster, Wilhelm, Ludwigshafen-on-the-Rhine, W. Bauer, Leverkusen, K. Koeberle and M. Bertl, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Lenco esters of the anthraquinone series. 2,135,258; Nov. 1.

Müller, Gustav. (See Loebe, W. W. Müller, and Weinmann.)

Munn, John, and A. H. Burnett, Chicago, Ill. Carton forming and lining machine. 2,135,409; Nov. 1.

Muth, Herbert, and W. Runge, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Temperature-independent oscillatory circuits. 2,134,794; Nov. 1.

Myers, Harold L., Morristown, N. J. Display device. 2,135,041; Nov. 1.

Myers, Thomas G., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif. Magnetic structure for dynamo-electric machines. 2,134,795; Nov. 1.

N. V. Machinerieen-en Apparaten Fabrieken "Mealf". (See Landau, Max, assignor.)

N. V. Philips' Gloeilampenfabrieken. (See Jurriaanse, Tom, assignor.)

N. V. Philips' Gloeilampenfabrieken. (See Tellegen, B. D. H., and Ziegler, assignors.)

National Aniline & Chemical Company. (See Flett, Lawrence H., assignor.)

National Blank Book Company. (See Schade, Frank S., assignor.)

National Cash Register Company, The. (See Christian, Raymond A., assignor.)

National Pumps Corporation. (See Moore, Fred W., assignor.)

Nehls, Charles H., Detroit, Mich. Locking closure. 2,135,351; Nov. 1.

Nelson, F. C., et al. (See Johnston, Clarence S., assignor.)

Neresheimer, Heinrich, and A. Vilsmeier, Ludwigshafen-on-the-Rhine, and K. Heymann, Akron, Ohio, assignors to General Aniline Works, Inc., New York, N. Y. Esters of high molecular weight. 2,135,259; Nov. 1.

Nestle-Lemur Company, The. (See Freudenberg, Gotthard, assignor.)

Neuman, Jacob J. (See Lienau, J. H., and Neuman.)

Newhouse, Ray C., Wauwatosa, and G. F. De Wein, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Dust seal for gyratory crushers. 2,134,885; Nov. 1.

Newill, Edward B., Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,135,091; Nov. 1.

New York Air Brake Company, The. (See Campbell, Charles A., assignor.)

Nichols, Homer E., Bridgeport, Conn., and L. Robiner, New York, N. Y. Sanitary protector. 2,134,925; Nov. 1.

Nicholson, Henry H., Boulder, Colo. Energy converter. 2,134,729; Nov. 1.

Nicholson, Stanley W., Toledo, Ohio, assignor, by mesne assignments, to Detroit Harvester Company, Detroit, Mich. Window regulator mechanism. 2,135,196; Nov. 1.

Nitz, Else, and J. Hagemann, geb. Jungmann, Berlin, Germany. Clamping means for folders. 2,135,013; Nov. 1.

Noll, Clarence I. (See Whitmore, F. C., Homeyer, and Noll.)

Nolte, Ludwig, Nuremberg, Germany, assignor to General Electric Company. Teapot. 2,135,313; Nov. 1.

Norcross, Austin S., Newton, Mass. Apparatus for imparting shunt speed characteristics to polyphase commutator motors. 2,135,260; Nov. 1.

Nordberg, Bruno V. E., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Compressor. 2,134,834; Nov. 1.

Nordberg, Bruno V. E., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Compressor unloader. 2,134,835; Nov. 1.

Nordberg Manufacturing Company. (See Nordberg, Bruno V. E., assignor.)

Norling, John A., New York, N. Y. Anaglyph stereoscopy. 2,135,197; Nov. 1.

Normandin, William O., Los Angeles, Calif. Ventilation-control means for motor vehicles. 2,135,215; Nov. 1.

North American Holding Corporation. (See Lupien Henry B., assignor.)

Nottingham, Edward B., Villa Park, assignor to H. B Dodge and Company, Chicago, Ill. Blind or shutter 2,134,983; Nov. 1.

Obermayr, Paul, Mittweida, Germany. Knitting-darning machine. 2,135,142; Nov. 1.

Offutt, Harold H., Winchester, assignor to Godfrey L. Cabot, Inc., Boston, Mass. Graphitized carbon black. 2,134,950; Nov. 1.

Ohio Brass Company, The. (See Bovard, Floyd G., assignor.)

Ohio Brass Company, The. (See Brandt, Thomas F., assignor.)

Ohio Brass Company, The. (See Calland, Otho G., assignor.)

Ohio Brass Company, The. (See Higgins, Ralph, assignor.)

Ohio Brass Company, The. (See Meisse, Louis A., assignor.)

Ohio Brass Company, The. (See Rorden, Harold L., assignor.)

Ohio Brass Company, The. (See Taylor, John J., assignor.)

Ohio Brass Company, The. (See Taylor, J. J., and Bovard, assignors.)

Ohlsson, Ernst. (See Isermann, S., Ohlsson, and Orelup.)

Oliver, Guy C., Glendale, Calif. Core barrel. 2,134,886; Nov. 1.

Olson, Raymond E., Pittsford, assignor to Taylor Instrument Companies, Rochester, N. Y. Temperature-control system for pasteurizers. 2,135,216; Nov. 1.

Orelup, John W. (See Isermann, S., Ohlsson, and Orelup.)

Osborn, Alden E., assignor to Simplex Improvements, Inc., New York, N. Y. Pipe or tube protector. 2,134,730; Nov. 1.

Osborn, C. J., Company. (See Silleck, Clarence F., assignor.)

Osmun, Fred N., Houston, Tex. Pipe cutter. 2,134,796; Nov. 1.

Ostergaard, Povl, Mount Lebanon, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Vapor-feed condenser and stabilizer. 2,134,836; Nov. 1.

Ostergaard, Povl, Mount Lebanon, assignor, by mesne assignments, to Gulf Oil Corporation, Pittsburgh, Pa. Cracking hydrocarbon oil and recovering stabilized distillate. 2,134,926; Nov. 1.

Ostergaard, Povl, Mount Lebanon, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Cracking hydrocarbon oils. 2,135,014; Nov. 1.

Ostergaard, Povl, Mount Lebanon, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Manufacture of gasoline and coke. 2,135,108; Nov. 1.

Ostergaard, Povl, Mount Lebanon, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Cracking petroleum oils. 2,135,109; Nov. 1.

O'Sullivan Rubber Co., The. (See Harty, William P., assignor.)

Otis Elevator Company. (See Lindquist, David L., assignor.)

Ott, Frank J. (See Herrmann, C. S., and Ott.)

Ottoson, Oscar, New York, N. Y. Teapot. 2,135,410; Nov. 1.

Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for case hardening glass. 2,134,797; Nov. 1.

Owen, William, Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Plate glass surfacing table. 2,134,798; Nov. 1.

Owens-Illinois Glass Company. (See Desser, Michael S., assignor.)

Owens-Illinois Glass Company. (See Forster, Alfred L., assignor.)

Owens-Illinois Glass Company. (See Slayter, G., and Tucker, assignors.)

Oxley, Horace F. (See Thomas, E. B., and Oxley.)

Pacific Electric Manufacturing Corporation. (See Brock, Arnold E., assignor.)

Packard Motor Car Company. (See Griswold, Walter R., assignor.)

Packard Motor Car Company. (See Rossmann, Peter F., assignor.)

Page, John E., Sidney, Australia, assignor to President and Directors of the Manhattan Company, as trustee for Gibson-Patent Containers, Ltd. Container cover. 2,134,984; Nov. 1.

Palmer, Charles M., Brooklyn, N. Y. Eyelash curler. 2,134,731; Nov. 1.

Panama Pump Company. (See Shores, Roy L., assignor.)

Panke, William F., Detroit, Mich. Apparatus for feeding and burning fuel. 2,134,887; Nov. 1.

Para Fabrics Corporation. (See Meyer, Aubrey E., assignor.)

Paris, Israel R., Washington, D. C. Game board. 2,135,411; Nov. 1.

Parrott, William C., Stamford, Conn. Pressure and sealing device for containers. 2,134,985; Nov. 1.

Pass, Vernia N., Houston, Tex. Marker. 2,134,799; Nov. 1.

Pates, Thomas S. (See Braden, William C., assignor.)

Patterson, Robert A., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. 2,135,239; Nov. 1.

Paulson, George M., assignor to The R. G. Corporation, New York, N. Y. Spark plug. 2,135,240; Nov. 1.

Pawsat, Ewald F., Maysville, Ky., assignor to Wald Manufacturing Company, Incorporated. Luggage carrier for bicycles and the like. 2,135,217; Nov. 1.

Pawsat, Ewald F., Maysville, Ky., assignor to Wald Manufacturing Company, Incorporated. Support for mud guards. 2,135,218; Nov. 1.

Payne, Claron R., Allentown, assignor to The Atlas Mineral Products Company, Mertztown, Pa. Protective coating. 2,134,837; Nov. 1.

Payne, Oscar V., Leicester, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Tube frame for axminster looms. 2,135,143; Nov. 1.

Pearson, Thomas F., Pontefract, England, assignor to Crown Cork & Seal Co. Inc., New York, N. Y. Apparatus for feeding molten glass. 2,134,732; Nov. 1.

Pearson, Thomas F., Pontefract, England, assignor to Crown Cork & Seal Co. Inc., New York, N. Y. Suction gatherer. 2,134,733; Nov. 1.

Pearson, Thomas F., Pontefract, England, assignor to Crown Cork & Seal Co. Inc., New York, N. Y. Suction gatherer. 2,134,734; Nov. 1.

Pearson, Thomas F., Pontefract, England, assignor to Crown Cork & Seal Co. Inc., New York, N. Y. Skimming device for glass tanks or furnaces. 2,134,838; Nov. 1.

Peltier, Frank D., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,134,888; Nov. 1.
Pennsylvania Industrial Chemical Corporation. (See Corkery, Frank W., assignor.)
Pepperell Manufacturing Company. (See Russell, Frank H., assignor.)
Peppiatt, Ralph, Freeport, N. Y. Tack container. 2,134,927; Nov. 1.
Perkins, James H., Winchester, Ky. Adjustable knife. 2,134,839; Nov. 1.
Perry, Walter M., assignor to Sperry Products, Inc., Brooklyn, N. Y. Rail flaw detector mechanism. 2,135,050; Nov. 1.
Petersen, John E., Oak Park, Ill. Radio receiving set. 2,135,144; Nov. 1.
Petroleum Machinery Corporation. (See Campbell, William J., assignor.)
Phillips, Bernard C., Detroit, Mich., assignor to F. A. Kane, Astoria, Long Island, N. Y. Compression control. 2,134,889; Nov. 1.
Phillips, Charles S. (See Morse, J. W., and Phillips.)
Phillips Petroleum Company. (See Hiatt, William G., assignor.)
Phipps, Guilla, et al. (See Johnston, Clarence S., assignor.)
Phipps, J. B., Jr., et al. (See Johnston, Clarence S., assignor.)
Phoenix Metal Cap Co. (See Crabbe, Lindsay T., assignor.)
Piesker, Bruno, and W. Goy, assignors to Prazisions-Werkstätten Seeger & Co. G. m. b. H., Frankfort-on-the-Main, Germany. Time delay relay. 2,134,951; Nov. 1.
Pinard, Henry, Manchester, N. H. Pivoted axle for motor vehicles. 2,135,291; Nov. 1.
Pitsch, Helmut, Berlin-Steglitz, Germany, assignor to Radio Corporation of America. Transmitter modulation. 2,135,198; Nov. 1.
Pittsburgh Plate Glass Company. (See Qwen, William, assignor.)
Pittsburgh Research Corporation. (See Moore, William E., assignor.)
Platt, Arthur G., Edgewood, Iowa. Power apparatus. 2,135,110; Nov. 1.
Plebanski, Jozef, Warsaw, Poland, assignor to Radio Patents Corporation, New York, N. Y. Superheterodyne receiving system. 2,135,051; Nov. 1.
Pocell, Fred, Chicago, assignor to E. E. Barthell, Winnetka, Ill. Amusement device. 2,135,292; Nov. 1.
Poel, Willem F. (See Bikkers, Alexander, assignor.)
Ponte, Maurice, and L. M. Elie, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil. Magnetron modulation system. 2,135,199; Nov. 1.
Powell, Winfred T., Brighton, assignor to General Railway Signal Company, Rochester, N. Y. Automatic train control system. 2,134,952; Nov. 1.
Powers Regulator Company, The. (See Snediker, Morton O., assignor.)
Prazisions-Werkstätten Seeger & Co. G. m. b. H. (See Piesker, B., and Goy, assignors.)
Prebluda, Harry J., Baltimore, Md. Vanadyl lactate and making it. 2,135,111; Nov. 1.
Precision Radiograph. (See Struck, George R., assignor.)
Preferred Utilities Company. (See Vidalie, Rene M., assignor.)
Preist, Thomas P. (See Renshaw, A. P. B., and Preist.)
Price, Rufus H., Carrizo Springs, Tex. Windmill pump attachment. 2,135,112; Nov. 1.
Price, Walter, Ridgewood, N. J. Box loom. 2,134,953; Nov. 1.
Procter & Gamble Company, The. (See Burt, R. V., Duncan, and Short, assignors.)
Procter & Gamble Company, The. (See Suter, Chester M., assignor.)
Propello Inventions Limited. (See Yoxall, Joseph, assignor.)
Purdue Research Foundation. (See Vanderbilt, Byron M., assignor.)
Putnam, Mabel C., assignor to Clamp Nail Company, Chicago, Ill. Clamp nail or fastener. 2,134,765; Nov. 1.
Putnam, Warren C., Los Angeles, Calif. Treadle switch. 2,134,800; Nov. 1.
Pyle-National Company, The. (See McDowell, T. E., and Howard, assignors.)
Pyrene-Minimax Corporation. (See Timpson, Lewis G. M., assignor.)
Pyridium Corporation. (See Renshaw, R. R., and Tisza, assignors.)
Rabiner, Louis. (See Nichols, H. E., and Rabiner.)
Rach, John C., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Cover interlocking device for safety switches. 2,134,986; Nov. 1.
Radio Corporation of America. (See Ballantine, Stuart, assignor.)
Radio Corporation of America. (See Bokovoy, S. A., and Gerber, assignors.)
Radio Corporation of America. (See Hansell, Clarence W., assignor.)
Radio Corporation of America. (See Heacock, Ralph H., assignor.)
Radio Corporation of America. (See Landon, Vernon D., assignor.)
Radio Corporation of America. (See Linder, Ernest G., assignor.)
Radio Corporation of America. (See Massa, Ernest A., Jr., assignor.)
Radio Corporation of America. (See Pitsch, Helmut, assignor.)
Radio Corporation of America. (See Reinartz, John L., assignor.)
Radio Patents Corporation. (See Plebanski, Jozef, assignor.)
Rahn, William J., Chicago, Ill. Cycle calendar. 2,134,928; Nov. 1.
Ralston, Eldon K., assignor to Circo Products Company, Cleveland, Ohio. Water separator. 2,134,840; Nov. 1.
Rappl, Anton, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,134,954; Nov. 1.
Ratcliff, Freeman R. (See Sammons, Paul R., assignor.)
Raybestos-Manhattan, Inc. (See Wales, Earl A., assignor.)
Reconstruction Finance Corporation. (See Threlkeld, Howard M., assignor.)
Redington, F. B., Co. (See Milmoe, Michael J., assignor.)
Redlich, Nathan, Jr., New York, N. Y. Cloth doll with sleeping eyes. 2,134,929; Nov. 1.
Redon, Henry, Marseille, assignor to Société Provencale de Constructions Aeronautiques, Paris, France. Materializing the streamlines of a fluid. 2,134,890; Nov. 1.
Reed, Daniel E., assignor to Yankee Metal Products Corp., Norwalk, Conn. Mirror device. 2,135,145; Nov. 1.
Reed Roller Bit Company. (See Stokes, John C., assignor.)
Rees, Irvine J. (See Blankenbuehler, J. H., and Rees.)
Reese, Walter, Gary, Minn. Artificial fishing bait. 2,134,841; Nov. 1.
Reeves, Beauford H., Pine Orchard, Conn., assignor to Rockbestos Products Corporation. Polishing apparatus. 2,135,200; Nov. 1.
Refinery Engineers, Inc. (See Brewster, Oswald C., assignor.)
Regan, John, New Bedford, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft controlled loom stopping mechanism. 2,134,842; Nov. 1.
Rehbein, Elmer C., Appleton, Wis. Measuring and severing device. 2,135,113; Nov. 1.
Reifsnyder, James D., Flushing, assignor to Lily Tulip Cup Corporation, New York, N. Y. Receptacle-making machine. 2,135,219; Nov. 1.
Reilly, Peter C. (See Derby, I. H., and Cunningham, assignors.)
Reinartz, John L., Manchester, Conn., assignor to Radio Corporation of America. Superregenerative receiver. 2,134,801; Nov. 1.
Reinhart, John B., Jr., Kirkwood, Mo. Duck decoy. 2,134,891; Nov. 1.
Reinhold, Charles, assignor to Societe d'Exploitation des Brevets Charles Reinhold, Geneva, Switzerland. Fluid operated apparatus for the delivery of a fluid or semi-fluid material. 2,134,735; Nov. 1.
Rekuperator G. m. b. H. (See Schack, Alfred, assignor.)
Remington Rand Inc. (See Roggenstein, Edwin, assignor.)
Renholdt, John E., Bridgeport, Conn., assignor to Dictaphone Corporation, New York, N. Y. Pad holding device. 2,135,470; Nov. 1.
Renshaw, Alfred P. B., Kingston Hill, assignor, by mesne assignments, to Automatic Telephone & Electric Company Limited, London, England. Traffic control signal. 2,135,471; Nov. 1.
Renshaw, Alfred P. B., Kingston Hill, and T. P. Preist, Roby, near Liverpool, assignors, by mesne assignments, to Automatic Telephone & Electric Company Limited, London, England. Traffic control system. 2,135,472; Nov. 1.
Renshaw, Raemer R., New York, and E. T. Tisza, Yonkers, assignors to Pyridium Corporation, Nepara Park, N. Y. Medicinal azo dyes. 2,135,293; Nov. 1.
Rentz, Frank B., Wells, Minn. Air conditioning device. 2,134,802; Nov. 1.
Republic Flow Meters Company. (See Engel, F. V. A. E., and Hancock, assignors.)
Republic Flow Meters Company. (See Grisdale, George W., assignor.)
Republic Flow Meters Company. (See Wey, Raymond J., assignor.)
Reuter, Raymond, Medford Lakes, N. J., assignor to The Atlantic Refining Company, Philadelphia, Pa. Lubricant. 2,134,736; Nov. 1.
Reymer & Brothers, Inc., et al. (See Hartman, Thomas L., assignor.)
Reynolds, Dutton C., assignor to Holly-Pax, Inc., Los Angeles, Calif. Tampon and making it. 2,134,930; Nov. 1.
Reynolds, Maynard S. (See Bray, U. B., and Reynolds.)
Rheinmetall-Borsig Aktiengesellschaft. (See Geissen, Carl, assignor.)
Rice, Jerome B., Seed Co. (See Abrams, Horace M., assignor.)
Rice, Owen R., assignor to Freyn Engineering Company, Chicago, Ill. Gas cleaner. 2,135,201; Nov. 1.
Richards Chemical Works, Incorporated, The. (See Kaplan, Philip, assignor.)
Richardson, Hugh, Nelson, Mo. Harrow or drag lift. 2,135,241; Nov. 1.
Riches, Geoffrey H. (See Riches, Roderick T. and G. H.)
Riches, Roderick T. and G. H., Bromley, England. Device for advertising and like purposes. 2,135,412; Nov. 1.

Richter, Morten B., Copenhagen, Denmark. Selector for electric connecting systems. 2,135,015; Nov. 1.
Riedel, Frederick G. (See McClanahan, L. C., and Riedel.)
Riedel, Otto P., Bergenfield, N. J., assignor to Metaphane, Inc., New York, N. Y. Inlaid metal surface ornamentation. 2,134,737; Nov. 1.
Rieser, Richard, Vienna, Austria. Interlocking fastener. 2,134,892; Nov. 1.
Risser, Ivan H., assignor to U. S. Bottlers Machinery Company, Chicago, Ill. Container discharging apparatus. 2,134,955; Nov. 1.
Ritchie, David M. (See Schoepf, T. H., and Ritchie.)
Rival Manufacturing Company. (See Majewski, Joseph M., Jr., assignor.)
Roberts, George L. (See Dirkes, R. F., and Roberts.)
Robertson, William W., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle changing loom. 2,135,146; Nov. 1.
Robertson, William W., Northboro, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Tube frame for axminster looms. 2,135,147; Nov. 1.
Robichaux, Sosthene. (See Barrett, G. J., and Robichaux.)
Rockbestos Products Corporation. (See Reeves, Beauford H., assignor.)
Rockwell, Edward A., Chicago, Ill., assignor, by mesne assignments, to General Anto Parts Corporation. Vacuum brake booster. 2,135,114; Nov. 1.
Rockwell, John A., Phoenix, Ariz. Centrifugal fan. 2,135,053; Nov. 1.
Rockwood Sprinkler Company of Massachusetts. (See Kendall, Horace C., assignor.)
Roggenstein, Edwin, Ilion, assignor to Remington Rand Inc., Buffalo, N. Y. Typewriter punch combination. 2,135,220; Nov. 1.
Roman, Walter G. (See Ludwig, L. R., Roman, Johnson, and Berkey.)
Rorden, Harold L., Barberton, assignor to The Ohio Brass Company, Mansfield, Ohio. Multiple arcing gap. 2,135,352; Nov. 1.
Rorden, Harold L., Barberton, assignor to The Ohio Brass Company, Mansfield, Ohio. Arcing electrode. 2,135,353; Nov. 1.
Rose, Edwin L., Watertown, assignor to The Waterbury Tool Company, Waterbury, Conn. Relief valve for power transmissions. 2,134,803; Nov. 1.
Rose, William H., Jersey City, N. J., assignor to Stanco Incorporated. Nasal douche. 2,135,052; Nov. 1.
Rosenberg, George. (See Kaplan, M., and Rosenberg.)
Rosenstein Bros. (See Rosenstein, Charles, assignor.)
Rosenstein, Charles, assignor to Rosenstein Bros., Paterson, N. J. Textile fabric and making same. 2,135,413; Nov. 1.
Rosmait, John A., Manistee, Mich. Pulp stock agitating apparatus. 2,135,261; Nov. 1.
Ross, J. O., Engineering Corporation. (See Byron, Ralph, assignor.)
Rossmann, Peter F., assignor to Packard Motor Car Company, Detroit, Mich. Transmission control for motor vehicles. 2,135,042; Nov. 1.
Rotherham, Kevitt. (See Swain, Frank E., assignor.)
Rouse, William C., assignor of one-half to I. G. McCloskey, Baltimore, Md. Tobacco curing system. 2,134,843; Nov. 1.
Roy, Willie, Quebec, Quebec, Canada. Suction apparatus. 2,135,148; Nov. 1.
Rugh, Harry O., Chicago, assignor of nine-twentieths to E. G. Bates, Glen Ellyn, and C. V. Yates, Chicago, and one-twentieth to K. C. Brown, Evanston, Ill. Hold-up alarm. 2,135,476; Nov. 1.
Runge, Wilhelm. (See Muth, H., and Runge.)
Rupert, Louis. (See Warmington, F. T., and Rupert.)
Russell, Frank H., Needham, assignor to Pepperell Manufacturing Company, Boston, Mass. Laminated lining material. 2,135,473; Nov. 1.
Russell Manufacturing Company, The. (See Harwood, Channing E., assignor.)
Russell Manufacturing Company, The. (See Hendley, James A., assignor.)
Rutherford, Robert E., Philadelphia, Pa., assignor to Farnsworth Television Incorporated. Image dissector and method of electron beam analysis. 2,135,149; Nov. 1.
Sachs, Albert P., New York, N. Y., assignor to Zonite Products Corporation. Radiographic substance. 2,135,474; Nov. 1.
Safety Car Heating & Lighting Company, The. (See Von Ohlsen, Louis H., assignor.)
Saint Genies, A. H. J. D., Versailles, France. Optical reproduction of lenticulated or goffered films. 2,135,396; Nov. 1.
St. John, Louis J. (See Bendsil, V. L., and St. John.)
Salerno, Jasper L., East Haven, Conn. Automatic hitch and brake mechanism. 2,134,931; Nov. 1.
Salesvertising Associates, Inc. (See Doolittle, Douglass, assignor.)
Salvin, Victor S. (See Seymour, G. W., and Salvin.)
Sammons, Paul R., McAllen, assignor of one-half to F. R. Ratcliff, Mission, Tex. Fruit picker. 2,135,354; Nov. 1.
Sandt, Kurt, Pirmasens, Germany. Sole-pressing last. 2,135,016; Nov. 1.
Santurello, Peter, Columbus, Ohio. Hair waving apparatus. 2,135,055; Nov. 1.
Savage, Harold B., San Diego, Calif. Closure for containers. 2,134,893; Nov. 1.
Scanlan, Joseph M., assignor, by mesne assignments, to The Lamson Company, Syracuse, N. Y. Pneumatic tube terminal. 2,135,355; Nov. 1.
Schack, Alfred, Meerbusch, near Dusseldorf, assignor to Rekuperator G. m. b. H., Dusseldorf, Germany. Air heater for blast furnaces. 2,134,804; Nov. 1.
Schade, Frank S., assignor to National Blank Book Company, Holyoke, Mass. Making loose leaf book sheets. 2,135,056; Nov. 1.
Schaefer, Carl A. (See Van Valkenburg, H. L., and Schaefer.)
Schartow, Elmer G., Midland, Mich. Damper and damper-clip construction. 2,134,844; Nov. 1.
Schauer, Lawrence L., Wyoming, assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Welded bitubular column. 2,135,441; Nov. 1.
Scheel, Hans P., Jr., Sedro Woolley, Wash. Artificial pulp grinding stone and making same. 2,134,738; Nov. 1.
Scheg, Marcian A., assignor to General Railway Signal Company, Rochester, N. Y. Alternating current relay. 2,134,956; Nov. 1.
Scheiwer, Albert T., Erie, Pa. Coupling. 2,135,221; Nov. 1.
Scheiwer, Albert T., Erie, Pa. Coupling. 2,135,222; Nov. 1.
Scheiwer, Albert T., Erie, Pa. Coupling. 2,135,223; Nov. 1.
Schermerhorn, Clarence. (See Flint, H. M., and Schermerhorn.)
Scheiber, Friedrich, Dresden, and A. Wolf, Dresden-Laubegast, assignors to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Photographic shutter. 2,134,766; Nov. 1.
Schlachter, Nicholas J., Gettysburg, S. Dak. Current motor. 2,135,115; Nov. 1.
Schmalenbach, Adolf, Essen-on-the-Ruhr, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Extraction of benzene and its homologues from gases containing ammonia. 2,135,356; Nov. 1.
Schmidt, Harry P., assignor to H. H. Heinrich, Inc., New York, N. Y. Printing press cylinder. 2,135,150; Nov. 1.
Schoepf, Theodore H., and D. M. Ritchie, assignors to The Cincinnati Traction Bldg. Company, Cincinnati, Ohio. Method and apparatus for maintaining adjacent railway cars on a level plane: electric motor control. 2,135,224; Nov. 1.
Schubert, Hermann J., Hackensack, N. J. Wall construction. 2,134,894; Nov. 1.
Schultz, Raymond F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Separation of constituents from organic complexes. 2,135,458; Nov. 1.
Schumacher, Elmer W., Southbridge, Mass. Optical means for increasing rear vision. 2,135,262; Nov. 1.
Schur, Milton O., assignor to Brown Company, Berlin, N. H. Multiple-coating or finishing. 2,135,151; Nov. 1.
Schutz, Harold R., Ottawa Hills, assignor, by mesne assignments, to Libbey Glass Company, Toledo, Ohio. Banding machine. 2,134,739; Nov. 1.
Schwartz, Charles, assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Treatment of milk and milk preparations. 2,135,054; Nov. 1.
Scovill Manufacturing Company. (See Johnston, H. F., and Tompkins, assignors.)
Scrivener, Arthur, Birmingham, England. Shaping the operative surfaces of grinding wheels. 2,135,202; Nov. 1.
Sebastian, Robert L., Rocky Hill, assignor to The American Agricultural Chemical Company, Newark, N. J. Making crystalline monocalcium phosphate. 2,135,475; Nov. 1.
Sebrell, Lorin B., Silver Lake, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Vulcanization of rubber. 2,134,957; Nov. 1.
Seman, Otto M., Balham, London, England. Apparatus for washing, rinsing and drying crockery, laundry and the like. 2,135,043; Nov. 1.
Servel, Inc. (See Peltier, Frank D., assignor.)
Sessions, Edson O., Chicago, Ill. Electric tray. 2,134,805; Nov. 1.
Seyler, Charles L., Bluefield, W. Va. Coat hanger and pants support. 2,134,740; Nov. 1.
Seymour, George W., and V. S. Salvin, Cumberland, Md., assignors to Celanese Corporation of America. Cellulose hydroxy ethers. 2,134,895; Nov. 1.
Seymour Manufacturing Company. (See Birge, Ernest N., assignor.)
Shadrick, Richard H. (See McElroy, I. E., and Shadrick.)
Shaffer, Leroy O., Cincinnati, Ohio. Can opener. 2,135,116; Nov. 1.
Shakespeare Products Company. (See Gerry, William, assignor.)
Shakespeare Products Company. (See Weber, Herman, assignor.)
Sharland, Leonard A., London, England. Capacity measuring instrument. 2,135,017; Nov. 1.
Shepherd, Charles M. (See Hoagland, R. W., and Shepherd.)

Shimizu, Takeo, assignor to Zaidan Hojin Rikagaku Kenkyujo, Tokyo, Japan. Cinematographic film winding mechanism. 2,135,357; Nov. 1.
Shoe Lace Company. (See Soybel, M. M., and Lamb, assignors.)
Shorb, Norbert N., San Francisco, Calif. Aerial advertising. 2,134,987; Nov. 1.
Shores, Roy L., assignor of one-half to Panama Pump Company, Panama City, Fla. Fish spear. 2,135,414; Nov. 1.
Short, Robert J. (See Burt, R. V., Duncan, and Short.)
Shough, Philip J., West Brighton, Staten Island, N. Y. Oil gauge rod wiper. 2,134,806; Nov. 1.
Shuholm, Lester C., Portland, Oreg. Refrigerant compressor. 2,134,958; Nov. 1.
Sibley, Robert L., Nitro, W. Va., assignor, by mesne assignments, to Monsanto Chemical Company, St. Louis, Mo. Mineral oil products. 2,134,959; Nov. 1.
Siemens & Halske Aktiengesellschaft. (See Baesecke, Martin, assignor.)
Sieven, Louis I., Brooklyn, N. Y. Expanding piston rings. 2,135,415; Nov. 1.
Silleck, Clarence F., Brooklyn, assignor to C. J. Osborn Company, New York, N. Y. Pigmented synthetic resin composition. 2,134,741; Nov. 1.
Simmonds, Clyde S., Sacramento, Calif. Front wheel suspension. 2,135,152; Nov. 1.
Simplex Improvements, Inc. (See Osborn, Alden E., assignor.)
Simplex Time Recorder Company. (See Watkins, E. G., and Dell, assignors.)
Simplex Valve and Meter Company. (See Borden, Moro M., assignor.)
Sisson, Harry W., Chicago, Ill. Spot lamp. 2,135,263; Nov. 1.
Sjogren, Oscar W. (See Mitchell, R. H., Sjogren, and Wadelton.)
Sladky, Alexander C., assignor to Geuder Paeschke & Frey Co., Milwaukee, Wis. Portable container. 2,135,225; Nov. 1.
Slayter, Games, and J. L. Tucker, Newark, Ohio, assignors to Owens-Illinois Glass Company. Fabric belting. 2,135,057; Nov. 1.
Slesinger, Augusta. (See Bacon, James G., Jr., assignor.)
Smart, Norman C., Binley, Coventry, assignor to The General Electric Company Limited, London, England. Electric system of control for lifts. 2,135,153; Nov. 1.
Smith, Dixon H., San Jose, Calif., assignor to Continental Can Company, Inc., New York, N. Y. Stop mechanism for presses. 2,134,933; Nov. 1.
Smith, Frasier, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Combination package. 2,135,242; Nov. 1.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,134,845; Nov. 1.
Smith, Lawrence S. (See Hubbard, K. H., and Smith.)
Smith, Omar H., West Englewood, N. J., assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, New York, N. Y. Making tough styrol polymers and product. 2,135,264; Nov. 1.
Smith, Wesley L., Cranford, assignor to Eclipse Aviation Corporation, East Orange, N. J. Gyrocompass. 2,134,932; Nov. 1.
Smith, William L., Jr. (See Lawson, R. H., and Smith.)
Snediker, Morton O., assignor to The Powers Regulator Company, Chicago, Ill. Summer and winter temperature control. 2,135,294; Nov. 1.
Société Anonyme des Hauts Fourneaux & Fonderies de Pont-a-Mousson. (See Boissou, Pierre, assignor.)
Societe d'Exploitation des Brevets Charles Reinhold. (See Reinhold, Charles, assignor.)
Société Provencale de Constructions Aeronautiques. (See Redon, Henry, assignor.)
Solvay Process Company, The. (See Beekhuis, Herman A., Jr., assignor.)
Sommermeyer, August, Berlin-Rudow, Germany. Device for the continuous treatment of animal carcasses, slaughterhouse offal, etc. 2,135,203; Nov. 1.
Soybel, Meyer M., Brooklyn, and T. B. Lamb, Scarsdale, N. Y., assignors to Shoe Lace Company, Portland, Maine. Display device. 2,134,846; Nov. 1.
Spencer, Alvin, assignor to Whitin Machine Works, Whitinsville, Mass. Brake mechanism for winding reels. 2,135,154; Nov. 1.
Sperry Gyroscope Company. (See Bates, Mertimer F., assignor.)
Sperry Products, Inc. (See Perry, Walter M., assignor.)
Sperry-Sun Well Surveying Company. (See Winn, William E., assignor.)
Spicer, William E., Baton Rouge, La., and G. H. B. Davis, New York, assignors to Standard Oil Development Company. Catalyst for hydrogen production from hydrocarbons. 2,135,058; Nov. 1.
Spiegler, Louis. (See Tinker, J. M., Spiegler, and Klein.)
Sprow, Frederick F., San Francisco, Calif. Racket holder. 2,135,226; Nov. 1.
Square D Company. (See Van Valkenburg, H. L., and Schaefer, assignors.)
Staley Elevator Company. (See Staley, M., and Kramer, assignors.)
Staley, Marcellus, and A. Kramer, Brooklyn, assignors to Staley Elevator Company, Inc., New York, N. Y. Control system. 2,135,204; Nov. 1.
Stanco Incorporated. (See Rose, William H., assignor.)
Standard-I. G. Company. (See Currie, William E., assignor.)
Standard Oil Company. (See Essery, Evan R., assignor.)
Standard Oil Company. (See Monro, Donald A., assignor.)
Standard Oil Company of California. (See Ihm, I. H., and Tuttle, assignors.)
Standard Oil Development Company. (See Bartlett, J. H., and Gleason, assignors.)
Standard Oil Development Company. (See Maverick, George M., assignor.)
Standard Oil Development Company. (See Spicer, W. E., and Davis, assignors.)
Standard Oil Development Company. (See Winning, C., and Holtzclaw, assignors.)
Standard Stoker Company, The. (See Anderson, Howard P.)
Stanolind Oil and Gas Company. (See Bays, George S., assignor.)
Stanton, Gladys P., administratrix. (See Stanton, Warren F.)
Stanton, Warren F., deceased; G. P. Stanton, administratrix, Pawtucket, R. I. Supercharger for gas engines. 2,134,742; Nov. 1.
Star-Service Hanger Company. (See Coney, James D., assignor.)
Steindorf, Robert T., and A. C. Lind, assignors to Chain Belt Company, Milwaukee, Wis. Scumming apparatus for liquids. 2,135,442; Nov. 1.
Steinway & Sons. (See Beck, Dunbar, assignor.)
Stevens, Donald R., Swissvale, and W. A. Gruse, Wilkinsburg, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Polymerization of olefines. 2,135,117; Nov. 1.
Stewart, Andrew H., Shields, Pa. Tile-mounting structure. 2,135,118; Nov. 1.
Stewart, Clyde E., Upper Darby, and L. D. White, Lansdowne, Pa., assignors to General Electric Company. Supervisory control system. 2,135,295; Nov. 1.
Stokes, John C., assignor to Reed Roller Bit Company, Houston, Tex. Core-taking apparatus. 2,134,988; Nov. 1.
Stotts, Francis H., Wynne, Ark. Traffic signal. 2,135,416; Nov. 1.
Strain, Daniel E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacturing polymerization products. 2,135,443; Nov. 1.
Strancke, Charles, Milwaukee, Wis. Charge diluting attachment for engine intake manifolds. 2,134,767; Nov. 1.
Strattner, Frederick. (See Wagner, W. C., and Strattner.)
Stratton, George B. (See Coleman, G. H., Moore, and Stratton.)
Strawn, Marion L., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Position indicating mechanism for machine tools. 2,134,743; Nov. 1.
Struck, G. R., et al. (See Struck, George R., assignor.)
Struck, George R., Manhasset, N. Y., assignor to G. R. Struck and E. M. Wharf, Jr., doing business as Precision Radiograph, Chicago, Ill. X-ray apparatus. 2,135,019; Nov. 1.
Sullivan Machinery Company. (See Bartholomew, Jess M., assignor.)
Suter, Chester M., Evanston, Ill., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Sulphonating and sulphating olefines. 2,135,358; Nov. 1.
Svensson, Sven G., Buenos Aires, Argentina. Apparatus for the training of the muscles. 2,135,018; Nov. 1.
Swain, Frank E., Ewell, assignor of one-half to Kevitt Rotherham, Coventry, England. Fuel feed system for internal combustion engines. 2,135,243; Nov. 1.
Symington, R. & W. H., & Company Limited. (See Billing, George W., assignor.)
Tabor Manufacturing Company, The. (See Wallace, Frank R., assignor.)
Tabor Manufacturing Company, The. (See Wiehsner, Raymond H., assignor.)
Talge, Foster L. (See Majewski, Joseph M., Jr., assignor.)
Taveau, René D., Beacon, L. A. Clarke, Fishkill, and R. E. Manley, Beacon, assignors to The Texas Company, New York, N. Y. Solvent refining of mineral oil. 2,135,363; Nov. 1.
Taylor, H. Birchard, et al. (See Gaines, Eugene F., assignor.)
Taylor Instrument Companies. (See Hubbard, K. H., and Smith, assignors.)
Taylor Instrument Companies. (See Olson, Raymond E., assignor.)
Taylor, John J., Wadsworth, assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor support. 2,135,360; Nov. 1.
Taylor, John J., Wadsworth, assignor to The Ohio Brass Company, Mansfield, Ohio. Support. 2,135,361; Nov. 1.
Taylor, John J., Wadsworth, assignor to The Ohio Brass Company, Mansfield, Ohio. Insulator. 2,135,362; Nov. 1.
Taylor, John J., Wadsworth, and F. G. Bovard, Akron, assignors to The Ohio Brass Company, Mansfield, Ohio. Suspension insulator. 2,135,359; Nov. 1.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Muth, H., and Runge, assignors.)

Tellegen, Bernardus D. H., and M. Ziegler, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Electron discharge device. 2,134,896; Nov. 1.
Templeton, John B., Dallas, Tex. Pile-driving attachment for booms. 2,134,989; Nov. 1.
Templeton, Robert P., assignor to American Sales Book Company, Inc., Niagara Falls, N. Y. Strip fastener release. 2,135,364; Nov. 1.
Testi, Nicholas, assignor to Gillette Safety Razor Company, Boston, Mass. Shaving implement. 2,134,960; Nov. 1.
Texas Company, The. (See Taveau, R. D., Clarke, and Manley, assignors.)
Textile Machine Works. (See Curry, Percy S., assignor.)
Theiner, Leo, Prague, Czechoslovakia. Automatic mixing and fine-grinding mill for chocolate, colors, etc. 2,134,897; Nov. 1.
Thomas & Betts Co., The. (See Bergan, Martin D., assignor.)
Thomas, Edward B., and H. F. Oxley, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of derivatives of cellulose and other polymeric hydroxy compounds. 2,135,128; Nov. 1.
Threlkeld, Howard M., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Separating process and apparatus. 2,134,768; Nov. 1.
Timpson, Lewis G. M., Plainfield, assignor to Pyrene-Minimax Corporation, Newark, N. J. Method of and agent for producing fire extinguishing foam. 2,135,365; Nov. 1.
Tinker, John M., Penns Grove, L. Spiegler, Woodbury, N. J., and D. X. Klein, Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Naphthazarine intermediate-aromatic amine condensation products. 2,135,366; Nov. 1.
Tinnerman, Albert H. (See Tinnerman, George A., assignor.)
Tinnerman, George A., Rocky River, assignor to A. H. Tinnerman, Cleveland, Ohio. Adapting sheet metal for receiving bolts, screws, or the like. 2,135,417; Nov. 1.
Tinnerman, George A., Rocky River, assignor to A. H. Tinnerman, Cleveland, Ohio. Providing fastening means in sheet metal. 2,135,418; Nov. 1.
Tisza, Edmond T. (See Renshaw, R. R., and Tisza.)
Tompkins, Emerson H. (See Johnston, H. F., and Tompkins.)
Torrance, John R. (See Cox, H. E., and Torrance.)
Towne, Cecil D., Milo, Maine. Electrode positioning device. 2,135,296; Nov. 1.
Traficante, Edward. (See Bolster, John M., assignor.)
Trainer, James E., Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J. Apparatus for arc welding. 2,135,129; Nov. 1.
Trans-Lux Corporation. (See Cavalcante, Jonathan S., assignor.)
Trencavel, Albert B., New York, N. Y., assignor to American Hot Water Systems, Inc. Hot water heating device. 2,135,367; Nov. 1.
Trico Products Corporation. (See Rappl, Anton, assignor.)
Trumbull Electric Manufacturing Company, The. (See Hammerly, Herman J., assignor.)
Tucker, Jesse L. (See Slayter, G., and Tucker.)
Tullar, Emery F. (See Bucher, J., and Tullar.)
Turnbull, Norris. (See Walker, J. F., and Turnbull.)
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom with shuttle changing and loom stopping mechanism. 2,135,155; Nov. 1.
Tuttle, Charles F. (See Ihm, I. H., and Tuttle.)
Ultermark, Gerard M. (See Boon, A. A., Barknowitz, and Ultermark.)
Underhill, Wyvel S., Detroit, Mich., assignor to Aluminum Company of America, Pittsburgh, Pa. Extrusion of tubular shapes of aluminum and alloys thereof. 2,135,194; Nov. 1.
Underwood Elliott Fisher Company. (See Helmond, William F., assignor.)
Underwood Elliott Fisher Company. (See Smith, Jesse A. B., assignor.)
Union Oil Company of California. (See Bray, U. B., and Reynolds, assignors.)
United Aircraft Corporation. (See Beisel, Rex B., assignor.)
United Aircraft Corporation. (See Martin, Erle, assignor.)
United Shoe Machinery Corporation. (See Bell, Charles C., assignor.)
United Shoe Machinery Corporation. (See Cavanagh, James, assignor.)
United Shoe Machinery Corporation. (See Meyer, Vernon H., assignor.)
U. S. Bottlers Machinery Company. (See Risser, Ivan H., assignor.)
U. S. Electrical Motors, Inc. (See Myers, Thomas G., assignor.)
U. S. Industrial Alcohol Co. (See Balcar, Frederick R., assignor.)
Uren, Joseph W., assignor to Crescent Manufacturing Co., Seattle, Wash. Device for continuously vacuumizing containers. 2,135,059; Nov. 1.
Uyehara, Toku, Paauilo, Hawaii. Trolley conveyer. 2,135,244; Nov. 1.
Vagenius, Nels H., Chicago, Ill., and R. J. Kidd, Warrensville, Ohio. Preparing quinone. 2,135,368; Nov. 1.
Van Allen, Lawrence R., Chicago, Ill. Process of blanching wood or like materials. 2,134,898; Nov. 1.
Vanderbilt, Byron M., Terre Haute, assignor to Purdue Research Foundation, Lafayette, Ind. Preparing nitrohydroxy compounds of the paraffin series. 2,135,444; Nov. 1.
Van der Essen, Louis P., Gloversville, and J. R. Lesser, Johnstown, N. Y. Die for forming glove blanks. 2,134,961; Nov. 1.
Van Valkenburg, Hermon L., Wauwatosa, Wis., and C. A. Schaefer, assignors to Square D Company, Detroit, Mich. Pressure switch. 2,135,265; Nov. 1.
Veatch, Collins, La Grange, Ill., assignor, by mesne assignments, to Corn Products Refining Company, New York, N. Y. Water resistant zein composition. 2,134,769; Nov. 1.
Velten, Hubert J. (See Ziebolz, H., and Velten.)
Vidalie, Rene M., Port Washington, assignor to Preferred Utilities Company, Inc., New York, N. Y. Draft regulator. 2,135,130; Nov. 1.
Vila, Heriberto A., New York, N. Y. Spark plug. 2,135,297; Nov. 1.
Vilsmeier, Anton. (See Neresheimer, H., Vilsmeier, and Heymann.)
Vogel, William M., Bloomfield, N. J. Spraying device. 2,134,899; Nov. 1.
Von Ohlsen, Louis H., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Speed control of motors. 2,134,900; Nov. 1.
Voorhees, Daniel W., Peru, Ill. Steel farm truck channel iron reach. 2,135,227; Nov. 1.
Voss, Joseph A., Denver, Colo. Cotton cutting machine. 2,135,060; Nov. 1.
Voss, Walter K. (See Dietz, William C. F., assignor.)
Vulcan Corporation. (See Clausing, George, assignor.)
Vulcan Corporation. (See Clausing, Henry, assignor.)
Wadelton, Edwin F. (See Mitchell, R. H., Sjogren, and Wadelton.)
Wagner, Herman F., Chesterton, Ind. Draftless ventilator. 2,135,369; Nov. 1.
Wagner, Max, Stuttgart, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Motor-driven vehicle. 2,135,314; Nov. 1.
Wagner, Walter C., Ardmore, and F. Strattner, Manoa, Pa. Fluid meter tester. 2,135,061; Nov. 1.
Wald Manufacturing Company. (See Pawsat, Ewald F., assignor.)
Waldorf Paper Products Company. (See Guyer, Reynolds, assignor.)
Wales, Earl A., Cleveland, Ohio, assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn. Friction material and producing same. 2,134,744; Nov. 1.
Walker, Joseph F., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of aromatic dihydro dicarboxylic acids. 2,135,062; Nov. 1.
Walker, Joseph F., and N. Turnbull, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing pentaglycol. 2,135,063; Nov. 1.
Wallace, Frank R., assignor to The Tabor Manufacturing Company, Philadelphia, Pa. Molding machine. 2,135,370; Nov. 1.
Walsh, James F., Chicago, Ill., assignor to American Maize-Products Company. Preparing cereal product. 2,135,445; Nov. 1.
Walters, Theodore R., and E. W. Manning, Pittsfield, Mass., assignors to General Electric Company. Coil insulation. 2,135,315; Nov. 1.
Wampner, Herbert L., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Transferring markings. 2,135,446; Nov. 1.
Ward, Richard D. (See Fletcher, Theodore, assignor.)
Wardwell, George W., Jr., Nichols, Conn., assignor to General Electric Company. Ironing press. 2,135,266; Nov. 1.
Warmington, Floyd T., and L. Rupert, Detroit, Mich., assignors to General Railway Signal Company, Rochester, N. Y. Track circuit for railroads. 2,134,962; Nov. 1.
Waterbury Tool Company, The. (See Rose, Edwin L., assignor.)
Watkins, Edward G., and J. A. Dell, assignors to Simplex Time Recorder Company, Gardner, Mass. Ribbon shift mechanism. 2,135,156; Nov. 1.
Weber, Harry M., Newton, Mass. Plaster bandage. 2,134,963; Nov. 1.
Weber, Herman, assignor to Shakespeare Products Company, Kalamazoo, Mich. Control. 2,134,770; Nov. 1.
Weinmann, Kurt. (See Loebe, W. W., Müller, and Weinmann.)
Werner, Calvin J., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Circuit control device. 2,135,371; Nov. 1.
Wesseler, Adeline C., Los Angeles, Calif. Canopy. 2,135,419; Nov. 1.
West, Donald H., Bolton, assignor to The Lapointe Machine Tool Company, Hudson, Mass. Vertical hydraulic broaching machine. 2,135,157; Nov. 1.
Western Union Telegraph Company, The. (See Dirkes, Robert F., assignor.)
Western Union Telegraph Company, The. (See Dirkes, R. F., and Roberts, assignors.)
Western Union Telegraph Company. (See Kimball, V. R., and Dirkes, assignors.)

Western Union Telegraph Company. (See Kimball, V. R., Dirkes, and Wheeler, assignors.)
Western Union Telegraph Company, The. (See Long, J. W., and Wheeler, assignors.)
Western Union Telegraph Company, The. (See Wheeler, E. R., Kimball, and Dirkes, assignors.)
Westinghouse Air Brake Company, The. (See Aikman, Burton S., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Blankenbuehler, John H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Blankenbuehler, J. H., and Rees, assignors.)
Westinghouse Electric & Manufacturing Company. (See Ludwig, L. R., Roman, Johnson, and Berkey, assignors.)
Westinghouse Electric & Manufacturing Company. (See Morgan, J. G., and Bohan, assignors.)
Westinghouse Electric & Manufacturing Company. (See Yost, I. A., and Jacobi, assignors.)
Wey, Raymond J., Park Royal, London, England, assignor to Republic Flow Meters Company, Chicago, Ill. Electric signaling or controlling system. 2,134,901; Nov. 1.
Wharf, Edward M., et al. (See Struck, George R., assignor.)
Wheeler, Evan R. (See Kimball, V. R., Dirkes, and Wheeler.)
Wheeler, Evan R. (See Long, J. W., and Wheeler.)
Wheeler, Evan R., Plainfield, and V. R. Kimball, Palisade Park, N. J., and R. F. Dirkes, Jamaica, assignors to The Western Union Telegraph Company, New York, N. Y. Mechanical corrector. 2,135,374; Nov. 1.
Whistler, Lawrence V. and S. A. Kenmore, N. Y. Point or plane finder. 2,135,316; Nov. 1.
Whistler, Sanford A. (See Whistler, Lawrence V. and S. A.)
Whitaker, William T., Jenkintown, Pa. Mop. 2,134,990; Nov. 1.
White, John W., Detroit, Mich., assignor, by mesne assignments, to Bendix Products Corporation. Combined master cylinder and stop light switch for hydraulic brake systems. 2,134,902; Nov. 1.
White, Leo D. (See Stewart, C. E., and White.)
Whitehead, Earl B., assignor to Atlantic Carton Corporation, Norwich, Conn. Container. 2,134,964; Nov. 1.
Whitin Machine Works. (See Spencer, Alvin, assignor.)
Whitmire, William A., Boca, Calif. Mucking machine dipper. 2,134,991; Nov. 1.
Whitmire, William A., Boca, Calif. Mucking machine dipper hoisting means. 2,134,992; Nov. 1.
Whitmore, Frank C., State College, Pa., A. H. Homeyer, St. Louis, Mo., and C. I. Noll, State College, Pa., assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Ureides containing a quaternary carbon atom. 2,135,064; Nov. 1.
Wick, George A., Irvington, N. J. Tool. 2,135,065; Nov. 1.
Wiehsner, Raymond H., assignor to The Tabor Manufacturing Company, Philadelphia, Pa. Molding machine. 2,135,372; Nov. 1.
Wilholt, Joseph D., Louisville, Ky. Dental implement. 2,134,934; Nov. 1.
Wilson, Ira J. (See Johnson, Martin E., assignor.)
Wilson, Paul B., Greenwood, assignor of one-half to L. K. Etheredge, North, S. C. Magnetic loom. 2,135,373; Nov. 1.
Wilson Sporting Goods Company. (See Luery, M., and Beler, assignors.)
Wilson, William H., Detroit, Mich. Tractor-trailer combination. 2,135,205; Nov. 1.
Wimmenauer, Paul, Washington, Ind. Hinge. 2,134,993; Nov. 1.
Winger, Stover C., assignor to G. H. Hall, Los Angeles, Calif. Spatula. 2,134,807; Nov. 1.
Wingfoot Corporation. (See Sebrell, Lorin B., assignor.)
Winn, William E., Dallas, Tex., assignor, by mesne assignments, to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Well surveying device. 2,134,808; Nov. 1.
Winnett, Thomas B., Los Angeles, Calif. Fireplace hot air circulator. 2,134,935; Nov. 1.
Winning, Carl, Union, and J. B. Holtzclaw, Roselle, N. J., assignors to Standard Oil Development Company. Cleaning composition and method. 2,135,066; Nov. 1.
Winning, Robert K., Wauwatosa, Wis., assignor, by mesne assignments, to Dudley Lock Corporation, Chicago, Ill. Snap action permutation lock. 2,135,317; Nov. 1.
Wolf, Albert. (See Scheiber, F., and Wolf.)
Wolford, Walter L., Oakland, Calif. Maintaining the fluid level of storage batteries. 2,135,158; Nov. 1.
Wolfson, Sidney L. (See Ashton, P. E., and Wolfson.)
Wolkan, Walter G., Cincinnati, Ohio. Method and apparatus for marking fabrics. 2,135,228; Nov. 1.
Wood, Peirce M., Mamaroneck, N. Y. Airplane device. 2,135,119; Nov. 1.
Woodhouse, John C., Cragmere, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Ester synthesis process. 2,135,447; Nov. 1.
Woolley, Clarence M., assignor to American Radiator Company, New York, N. Y. Portable ventilating attachment for radiators. 2,135,461; Nov. 1.
Worthington, Aronld V. (See Boscow, A. L., and Worthington.)
Wurlitzer, Rudolph, Company, The. (See Lindeberg, Carl, assignor.)
Wylie, Kenneth H., Eugene, Oreg. Nutcracker. 2,135,420; Nov. 1.
Yankee Metal Products Corp. (See Reed, Daniel E., assignor.)
Yanofsky, Samuel. (See Barkinsky, A., and Yanofsky.)
Yates, Claude V., et al. (See Rugh, Harry O., assignor.)
Yerkey, Alvy C., Maywood, Ill. Casting machine. 2,135,245; Nov. 1.
Yost, Irving A., Lakewood, Ohio, and W. H. Jacobi, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Searchlight. 2,134,847; Nov. 1.
Young, Arthur C., Milwaukee, and A. J. Jorgensen, Wauwatosa, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Oil baffle arrangement for gyratory crushers. 2,134,903; Nov. 1.
Young, Eugene B., Medford, Mass. Shoulder-strap holder. 2,135,020; Nov. 1.
Young, Harold M., et al. (See Hartman, Thomas L., assignor.)
Yoxall, Joseph, Deganwy, North Wales, assignor to Propello Inventions Limited, London, England. Variable speed gearing. 2,135,246; Nov. 1.
Zaidan Hojin Rikagaku Kenkyujo. (See Shimizu, Takeo, assignor.)
Zalkind, Philip, New York, N. Y. Handle for drawers. 2,135,021; Nov. 1.
Zarafu, Herman, New York, N. Y., assignor to Elevator Supplies Company, Incorporated, Hoboken, N. J. Tapping head for winding apparatus. 2,134,994; Nov. 1.
Zbarsky, Sam, Brooklyn, N. Y. Brush for Venetian blinds. 2,134,965; Nov. 1.
Zbock, John, Bellaire, Ohio. Curtain-rod holder. 2,135,159; Nov. 1.
Zeiss Ikon Aktiengesellschaft. (See Scheiber, F., and Wolf, assignors.)
Ziebolz, Herbert, and H. J. Velten, Chicago, Ill, assignors to Askania-Werke A. G. Method of and apparatus for proportioning the flow of fluids. 2,134,745; Nov. 1.
Ziegler, Marc. (See Tellegen, B. D. H., and Ziegler.)
Zinny, Edward. (See Malik, Joseph, assignor.)
Zonite Products Corporation. (See Sachs, Albert P., assignor.)
Zwack, Raymond T., assignor to Eclipse Aviation Corporation, East Orange, N. J. Electrical apparatus. 2,135,435; Nov. 1.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 1ST DAY OF NOVEMBER, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aircraft. J. M. Gwinn, Jr. Re. 20,901; Nov. 1.
Clutch. G. C. Royse. Re. 20,903; Nov. 1.
Friction element. W. A. Blume. Re. 20,908; Nov. 1.
Friction elements, Making. W. A. Blume. Re. 20,907; Nov. 1.
Projection system. D. F. Newman. Re. 20,902; Nov. 1.
Sander device. J. B. Swan. Re. 20,905; Nov. 1.
Table for boring mills and the like, Work. A. Trosch. Re. 20,906; Nov. 1.
Window channel. C. P. Schlegel. Re. 20,904; Nov. 1.

LIST OF PLANT INVENTIONS

Rose plant. M. Tantau. 300; Nov. 1.
Rose. E. R. Dramm. 301; Nov. 1.
Snapdragon. C. H. Lothrop. 302; Nov. 1.

LIST OF DESIGN INVENTIONS

Air circulator. J. J. Janca. 111,972; Nov. 1.
Airplane. B. C. Boulton and J. S. McDonnell, Jr. 20,900; Nov. 1.
Belt or similar article. S. Solomon. 112,001; Nov. 1.
Bottle. R. H. Dallas. 111,957; Nov. 1.
Bottle. M. A. Frank. 111,962; Nov. 1.
Bottle. J. A. Neumann. 111,989; Nov. 1.
Bottle, Beer. C. R. Deible. 111,959; Nov. 1.
Bottle or similar article, Perfume. J. D. Buckingham 111,954; Nov. 1.
Bottle or similar container. J. A. Oya. 111,992; Nov. 1.
Bowl or similar article. A. J. Bennett. 111,948; Nov. 1.
Cabinet, Combined sterilizing and implement holding. C. A. Newland. 111,990; Nov. 1.
Cable, Electric. G. Koger. 111,981; Nov. 1.
Camera or similar article. J. D. Milne. 111,986; Nov. 1.
Case or similar article, Vanity. F. Spitalny. 112,003–5; Nov. 1.
Casing, Furnace. W. S. Somers. 112,002; Nov. 1.
Casket shell, Burial. H. S. Scholl. 111,999–112,000; Nov. 1.
Chair and desk, Combined. W. H. Bond, Jr. 111,953; Nov. 1.
Chart or similar article, Guide. S. J. Sigaloff. 111,998; Nov. 1.
Coat. I. Goldberg. 111,963; Nov. 1.
Coat. L. Newman. 111,991; Nov. 1.
Confection. H. W. Huse. 111,971; Nov. 1.
Container, Cigarette. J. H. Horsley. 111,969; Nov. 1.
Crumber. S. W. Farber. 111,961; Nov. 1.
Desk, School. C. L. J. Davis. 111,958; Nov. 1.
Dish or similar article, Relish. A. J. Bennett. 111,951; Nov. 1.
Dress. J. Abbate. 112,016; Nov. 1.
Dress. J. Chambart. 112,018; Nov. 1.
Dress. M. Cohn. 111,019; Nov. 1.
Dress. P. Fracchia. 112,020; Nov. 1.
Dress. H. Goldman. 112,027; Nov. 1.
Dress. S. C. Klein. 112,021–2; Nov. 1.
Dress. M. Lawrence. 112,029–30; Nov. 1.
Dress. C. Mitchell. 112,031; Nov. 1.
Dress. D. W. Price. 112,025; Nov. 1.
Dress. M. Roher. 112,032; Nov. 1.
Dress. I. Roth. 112,033; Nov. 1.
Dress ensemble. J. Abbate. 112,017; Nov. 1.
Dress ensemble. M. Mascitelli. 112,028; Nov. 1.
Dress ensemble. M. Reich. 112,026; Nov. 1.
Dress or similar article. A. H. Morris. 112,024; Nov. 1.
Exterminator, Combined rodent and insect. W. F. Ramsay. 111,994; Nov. 1.
Faucet connection. S. L. Weiss. 112,012; Nov. 1.
Fender and head lamp, Combined automobile. H. E. Merillat. 112,034; Nov. 1.
Game board. M. R. Jeffers. 111,973; Nov. 1.
Game board. J. T. Kimbrell. 111,974; Nov. 1.
Game board. E. Mallsse. 111,984; Nov. 1.
Game board or similar article. J. Goodson. 111,965; Nov. 1.
Glove. S. M. Straus. 112,007; Nov. 1.
Goblet or similar article. A. J. Bennett. 111,949; Nov. 1.
Handle or similar article for an automotive vehicle, Outside door. B. E. Lemm. 111,983; Nov. 1.
Hat. M. A. Goldstein. 111,964; Nov. 1.
Housing, Ignition coil. G. R. C. Martinsson. 112,023; Nov. 1.
Ironer. W. E. Stilwell, Jr. 112,006; Nov. 1.
Lamp. W. C. Crimmins. 111,955–6; Nov. 1.
Meter, Electrical. C. E. Mead and R. E. Sturm. 111,985; Nov. 1.
Mirror. C. S. De Rauf. 111,960; Nov. 1.
Nightshirt. L. W. Helmuth. 111,967; Nov. 1.
Plate or similar article. A. J. Bennett. 111,950; Nov. 1.
Projector apparatus, Motion picture. H. J. Reardon. 111,995; Nov. 1.
Pump. S. J. Waxelbaum. 112,011; Nov. 1.
Rack or similar article, Towel. R. S. Sanford. 111,997; Nov. 1.
Ring, Finger. J. J. Klecka. 111,975; Nov. 1.
Seat, Chair. W. H. Bond, Jr. 111,952; Nov. 1.
Shoe or similar article. S. Troy. 112,008; Nov. 1.
Shoe or similar article. M. Ullman. 112,009; Nov. 1.
Shoe or similar article. P. J. C. Wolfer. 112,014; Nov. 1.
Shrine, Miniature religious. J. L. Zacharias. 112,015; Nov. 1.
Shroud, Automobile exhaust. L. A. Koch. 111,976–80; Nov. 1.
Sign for automobiles or the like. W. L. Moore. 111,988; Nov. 1.
Signal device or the like, Reflector. J. C. Haggart, Jr. 111,966; Nov. 1.
Stand, Perfume. C. Kushner. 111,982; Nov. 1.
Stool, Child's step-up. F. B. Holmes, Jr. 111,968; Nov. 1.
Stopper, Bottle. E. Pollak. 111,993; Nov. 1.
Tank structure for outboard motors, Fuel. J. R. Morgan. 111,987; Nov. 1.
Tie. C. J. Watt. 112,010; Nov. 1.
Tire. G. Hullinger. 111,970; Nov. 1.
Velocipede. W. C. Roe. 111,996; Nov. 1.
Viewer, Film. J. F. Whitman, Jr. 112,013; Nov. 1.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 1st DAY OF NOVEMBER, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acid by oxidizing impurities, Regenerating waste sulphuric. J. C. De Nooij, D. J. Gerritsen, and A. A. Jucker. 2,134,909; Nov. 1.
Acid synthesis, Organic. D. J. Loder. 2,135,448; Nov. 1.
Acid synthesis, Organic. D. J. Loder. 2,135,451; Nov. 1.
Acids and esters, Synthesis of aliphatic organic. D. J. Loder. 2,135,452; Nov. 1.
Acids and new compounds obtainable thereby, Preparation of aminoanthraquinone sulphonic. H. R. Lee and D. X. Klein. 2,135,346; Nov. 1.
Acids from olefines and carbon monoxide, Preparation of organic. D. J. Loder. 2,135,459; Nov. 1.
Acids, Preparation of aromatic dihydro dicarboxylic. J. F. Walker. 2,135,062; Nov. 1.
Addressing and tabulating machine. H. P. Elliott. 2,134,814; Nov. 1.
Advertising, Aerial. N. N. Shorb. 2,134,987; Nov. 1.
Advertising device. D. Doolittle. 2,135,331; Nov. 1.
Advertising or display apparatus. J. R. Bramer. 2,135,207; Nov. 1.
Air cleaner. A. Marshall. 2,134,978; Nov. 1.
Air conditioning device. J. Mitchell. 2,134,881; Nov. 1.
Air conditioning device. F. B. Rentz. 2,134,802; Nov. 1.
Air conditioning system. R. R. Chappell, D. McCormack, and R. B. Colt. 2,135,101; Nov. 1.
Air cooling system for railway cars. J. F. Frese. 2,135,125; Nov. 1.
Air heater. E. Hurford and R. Johnson. 2,135,235; Nov. 1.
Aircraft wing structure. A. P. de Seversky. 2,135,464; Nov. 1.
Airplane. G. M. Bellanca. 2,135,096; Nov. 1.
Airplane device. P. M. Wood. 2,135,119; Nov. 1.
Airplane launching. F. T. Courtney. 2,134,033; Nov. 1.
Alarm, Hold-up. H. O. Rugh. 2,135,476; Nov. 1.
Alcohols from olefines. D. J. Loder. 2,135,455; Nov. 1.
Aligner and holder for screw spiking machines. J. C. W. Mathias. 2,135,087; Nov. 1.
Alkyl derivatives of phenols, Production of nuclear. L. H. Flett. 2,134,711; Nov. 1.
Alkyl phenol sulphonates, Production of. L. H. Flett. 2,134,712; Nov. 1.
Alloy: *See*—
Copper base alloy.
Alloys, Copper. F. R. Hensel and E. I. Larsen. 2,135,254; Nov. 1.
Alloys, Producing molybdenum. A. Linz. 2,135,189; Nov. 1.
Alternating current machine, Self-exciting. T. E. McDowell and J. G. Howard. 2,134,880; Nov. 1.
Alumina and potash from aluminous ores, Recovering. R. M. Moffat. 2,134,793; Nov. 1.
Aluminum and alloys thereof, Extrusion of tubular shapes of. W. S. Underhill. 2,135,194; Nov. 1.
Amine condensation products, Naphthazarine intermediate-aromatic. J. M. Tinker, L. Spiegler, and D. X. Klein. 2,135,366; Nov. 1.
Amplifier, High frequency magnetron. E. G. Linder. 2,134,038; Nov. 1.
Amplifier, Vacuum tube. S. Ballantine. 2,134,747; Nov. 1.
Amusement apparatus, Railway. J. F. Courtney. 2,135,230; Nov. 1.
Amusement device. G. D. Fleak. 2,135,176; Nov. 1.
Amusement device. M. H. Kelly. 2,134,082; Nov. 1.
Amusement device. F. Pocell. 2,134,292; Nov. 1.
Animal membrane and sutures and making same, Absorbable insulating. H. L. Johnson. 2,135,399; Nov. 1.
Antenna system. V. D. Landon. 2,135,037; Nov. 1.
Anticreeper, Railroad. J. Clark. 2,134,750; Nov. 1.
Antiparasitic compositions. B. R. Harris. 2,134,917; Nov. 1.
Apparatus for the delivery of a fluid or semifluid material, Fluid operated. C. Reinhold. 2,134,735; Nov. 1.
Apparatus for the training of the muscles. S. G. Svensson. 2,135,018; Nov. 1.
Apparatus for washing, rinsing, and drying crockery, laundry, and the like. O. M. Seman. 2,134,043; Nov. 1.
Arc welding, Apparatus for. J. E. Trainer. 2,135,129; Nov. 1.
Arcing gap, Multiple. H. L. Rorden. 2,135,352; Nov. 1.
Article, Plaited. M. Koppelman. 2,135,236; Nov. 1.
Attachment for a hay baler. M. Ambers. 2,135,379; Nov. 1.
Axle for motor vehicles, Pivoted. H. Pinard. 2,135,291; Nov. 1.
Bait, Artificial fishing. W. Reese. 2,134,841; Nov. 1.
Assembly for hulling peas and slicing beans. J. M. Majewski, Jr. 2,135,256; Nov. 1.

Automobile body construction. H. A. Goalwin. 2,134,784; Nov. 1.
Axle construction, Drive. E. J. Dunham. 2,134,687; Nov. 1.
Axminster loom. E. J. Dacy. 2,135,133; Nov. 1.
Baffle arrangement for gyratory crushers, Oil. A. C. Young and A. J. Jorgensen. 2,134,903; Nov. 1.
Bag forming process. S. U. Boehmer. 2,135,132; Nov. 1.
Ball control, Multiple. H. T. Backhouse. 2,135,206; Nov. 1.
Ball, Golf. J. R. Farrar. 2,135,210; Nov. 1.
Bandage, Plaster. H. M. Weber. 2,134,963; Nov. 1.
Banding machine. H. R. Schutz. 2,134,739; Nov. 1.
Base, Cement and iron combined post. C. M. Dempsey. 2,135,389; Nov. 1.
Base for powered apparatus. J. L. Hamilton. 2,134,819; Nov. 1.
Batteries, Maintaining the fluid level of storage. W. L. Wolford. 2,135,158; Nov. 1.
Bearing: *See*—
Vertical labyrinth bearing.
Belting, Fabric. G. Slayter and J. L. Tucker. 2,135,057; Nov. 1.
Benzene and its homologues from gases containing ammonia, Extraction of. A. Schmalenbach. 2,135,356; Nov. 1.
Beverages, Method of and apparatus for preparing. T. L. Hartman. 2,134,787; Nov. 1.
Bicycle. J. S. Manton. 2,135,257; Nov. 1.
Blind or shutter. E. B. Nottingham. 2,134,983; Nov. 1.
Block: *See*—
Building block. High frequency reed block
Board: *See*—
Game board.
Boiler grid, Adjustable. J. E. Leonard. 2,135,309; Nov. 1.
Boilers, Apparatus for washing and refilling. F. W. Miller. 2,135,407; Nov. 1.
Book sheets, Making loose leaf. F. S. Schade. 2,135,056; Nov. 1.
Boron fluoride, Preparation of. D. J. Loder. 2,135,460; Nov. 1.
Bottle. R. A. Patterson. 2,135,239; Nov. 1.
Bottle holder. P. E. Allen. 2,134,746; Nov. 1.
Bottles, Device for breaking. A. R. Lofstrand, Sr. 2,135,404; Nov. 1.
Box: *See*—
Fire box. Paper box.
Box construction, Chick. L. Magers. 2,135,140; Nov. 1.
Box loom. W. Price. 2,134,953; Nov. 1.
Brake: *See*—
Clasp brake.
Brake. E. F. Loweke. 2,134,791; Nov. 1.
Brake arrangement. W. H. Baselt. 2,135,120–1; Nov. 1.
Brake arrangement. W. C. Hedgcock. 2,134,943; Nov. 1.
Brake booster, Vacuum. E. A. Rockwell. 2,135,114; Nov. 1.
Brake mechanism. H. A. Hoke. 2,134,789; Nov. 1.
Brake mechanism for winding reels. A. Spencer. 2,135,154; Nov. 1.
Brake system. E. S. Harrison. 2,135,003; Nov. 1.
Brake system, Fluid pressure. J. R. Heidloff. 2,135,004; Nov. 1.
Brassière. A. A. Alberts. 2,135,094; Nov. 1.
Bread slicing machine. H. J. Criner. 2,134,684; Nov. 1.
Broaching machine, Vertical hydraulic. D. H. West. 2,135,157; Nov. 1.
Broiler, Electric. A. Barkinsky and S. Yanofsky. 2,135,318; Nov. 1.
Brush for Venetian blinds. S. Zbarsky. 2,134,965; Nov. 1.
Building block. E. S. Guignon, Jr. 2,134,941; Nov. 1.
Bunion pad. C. L. Moon. 2,134,831; Nov. 1.
Burner: *See*—
Gas burner.
Bus clamp. F. J. Arnold. 2,134,849; Nov. 1.
Bushing, High current. T. F. Brandt. 2,135,321; Nov. 1.
Butter mold. H. B. Batjer. 2,135,025; Nov. 1.
Cable: *See*—
Electric cable.
Cakepan, Tubed. J. G. Jackson. 2,135,342; Nov. 1.
Calculating machine. R. A. Christian. 2,134,683; Nov. 1.
Calendar, Cycle. W. J. Rahn. 2,134,928; Nov. 1.
Camera, Moving picture. H. Becker. 2,135,026; Nov. 1.
Camera, Photographic. B. Mayer. 2,134,979; Nov. 1.
Canopy. A. C. Wesseler. 2,135,419; Nov. 1.
Capacity measuring instrument. L. A. Sharland. 2,135,017; Nov. 1.
Car: *See*—
Mine car.
Car body. J. H. Esters. 2,134,866; Nov. 1.

Carbon black, Graphitized. H. H. Offutt. 2,134,950; Nov. 1.
Carbon transfer set. B. A. I. Kelly. 2,135,345; Nov. 1.
Carburetor. E. Jedrzykowski. 2,134,877; Nov. 1.
Carriage or crib and play-yard, Combination baby. J. G. Hacon, Jr. 2,134,904; Nov. 1.
Carrier for bicycles and the like, Luggage. E. F. Pawsat. 2,135,217; Nov. 1.
Cars on a level plane: electric motor control, Method and apparatus for maintaining adjacent railway. T. H. Schoepf and D. M. Ritchie. 2,135,224; Nov. 1.
Carton. R. Guyer. 2,134,971; Nov. 1.
Carton and filler, Egg. E. J. Lawless. 2,134,763; Nov. 1.
Carton forming and lining machine. J. Munn and A. H. Hurnett. 2,135,409; Nov. 1.
Cartons, Apparatus for filling. G. J. Caddy. 2,134,907; Nov. 1.
Cassava roots to obtain starch, Treatment of dried. L. P. Heltne. 2,135,104; Nov. 1.
Casting machine. A. C. Yerkey. 2,135,245; Nov. 1.
Casting mold, Stereotype plate. W. F. Huck. 2,134,827; Nov. 1.
Catalyst for hydrogen production from hydrocarbons. W. E. Spicer and G. H. B. Davis. 2,135,058; Nov. 1.
Catalyst preparation. A. McAlevy. 2,135,454; Nov. 1.
Cathodic lamp. C. G. Found. 2,135,284; Nov. 1.
Cereal product, Preparing. J. F. Walsh. 2,135,445; Nov. 1.
Charge diluting attachment for engine intake manifolds. C. Strancke. 2,134,767; Nov. 1.
Charging apparatus for concrete mixers and the like. C. I. Longenecker and C. F. Ball. 2,135,440; Nov. 1.
Chemical process. J. W. Hill and R. A. Jacobson. 2,134,825; Nov. 1.
Cigarette extinguisher, Pocket type. H. P. Hoffman. 2,134,826; Nov. 1.
Cinematography, Apparatus for stereoscopic. T. M. Harvey. 2,135,049; Nov. 1.
Circuit control device. C. J. Werner. 2,135,371; Nov. 1.
Circuit for railroads, Track. J. C. Mock. 2,134,982; Nov. 1.
Circuit for railroads, Track. F. T. Warmington and L. Rupert. 2,134,962; Nov. 1.
Circuits, Temperature-independent oscillatory. H. Muth and W. Runge. 2,134,794; Nov. 1.
Clamp: *See*—
Bus clamp. Electrode clamp.
Conductor clamp.
Clamping device. O. B. Clark. 2,134,858; Nov. 1.
Clamping means for folders. E. Nitz and J. Hagemann, geb. Jungmann. 2,135,013; Nov. 1.
Clasp brake. W. H. Baselt. 2,135,438; Nov. 1.
Cleaner: *See*—
Air cleaner. Vacuum cleaner.
Gas cleaner. Windshield cleaner.
Cleaning composition and method. C. Winning and J. B. Holtzclaw. 2,135,066; Nov. 1.
Closure for collapsible tubes. J. J. Glauber. 2,135,178; Nov. 1.
Closure for containers. L. T. Crabbe. 2,135,386; Nov. 1.
Closure for containers. H. P. and W. S. Lewis. 2,135,237; Nov. 1.
Closure for containers. H. B. Savage. 2,134,893; Nov. 1.
Closure for tubes, bottles, and the like, Quick-acting. S. C. Endicott. 2,134,968; Nov. 1.
Closure, Locking. C. H. Nehls. 2,135,351; Nov. 1.
Closures on containers, Method and machine for fitting. J. Dichter. 2,135,390; Nov. 1.
Clothes washing machine. J. B. Kirby. 2,134,084; Nov. 1.
Clutch: *See*—
Friction clutch.
Coat hanger and pants support. C. L. Seyler. 2,134,740; Nov. 1.
Coating, Protective. C. R. Payne. 2,134,837; Nov. 1.
Coatings of magnesium and high percentage magnesium alloys, Producing corrosion resistant. J. M. Michel. 2,134,830; Nov. 1.
Coil insulation. T. R. Walters and E. W. Manning. 2,135,315; Nov. 1.
Collar holder. O. Carlson. 2,135,169; Nov. 1.
Collector, Detachable. L. C. Fisher and W. H. Frank. 2,134,753; Nov. 1.
Column, Welded bitubular. L. L. Schauer. 2,135,441; Nov. 1.
Compass, Gyro magnetic. M. F. Bates. 2,135,229; Nov. 1.
Composite articles, Making. F. H. Benge. 2,135,380; Nov. 1.
Compressor control. B. S. Aikman. 2,135,248; Nov. 1.
Compression control. B. C. Phillips. 2,134,889; Nov. 1.
Compressor. B. V. E. Nordberg. 2,134,834; Nov. 1.
Compressor, Reciprocating. W. Fourness. 2,134,782; Nov. 1.
Compressor, Refrigerant. L. C. Shuholm. 2,134,958; Nov. 1.
Compressor unit for refrigerating apparatus, Motor. R. M. Getchell and R. K. Miller. 2,134,936; Nov. 1.
Compressor valve control. B. S. Aikman. 2,135,247; Nov. 1.
Compressor unloader. B. V. E. Nordberg. 2,134,835; Nov. 1.
Concrete and the like, Apparatus for mixing. C. F. Ball. 2,135,436; Nov. 1.
Concrete-mixing apparatus. B. F. Devine and C. F. Ball. 2,135,439; Nov. 1.
Condenser: *See*—
Vapor condenser.
Condenser and stabilizer, Vapor-feed. P. Ostergaard. 2,134,836; Nov. 1.
Conductor clamp. F. G. Bovard. 2,135,320; Nov. 1.
Conductor support. J. J. Taylor. 2,135,360; Nov. 1.
Connecter: *See*—
Electric connecter. Wire connecter.
Connecting rod, Adjustable stroke and shock absorbing. G. A. Anderson. 2,134,995; Nov. 1.
Container: *See*—
Dispensing container. Tack container.
Portable container.
Container. E. B. Whitehead. 2,134,964; Nov. 1.
Container cover. J. E. Page. 2,134,984; Nov. 1.
Container discharging apparatus. I. H. Risser. 2,134,955; Nov. 1.
Control. H. Weber. 2,134,770; Nov. 1.
Control device. W. Gerry. 2,134,756; Nov. 1.
Control for air-conditioning apparatus, Selective. H. R. Crago. 2,135,300; Nov. 1.
Control for welding generators. J. H. Blankenbuehler. 2,135,046; Nov. 1.
Control for welding generators. J. H. Blankenbuehler and I. J. Rees. 2,135,045; Nov. 1.
Control mechanism for straight knitting machines, Thread carrier. P. S. Curry. 2,135,329; Nov. 1.
Control system. A. N. Goldsmith. 2,134,757; Nov. 1.
Control system. M. Staley and A. Kramer. 2,135,204; Nov. 1.
Cooler: *See*—
Pressure cooler.
Copper base alloy. F. R. Hensel and E. I. Larsen. 2,135,336; Nov. 1.
Corrector, Mechanical. E. R. Wheeler, V. R. Kimball, and R. F. Dirkes. 2,135,374; Nov. 1.
Coupling. A. T. Scheiwer. 2,135,221–3; Nov. 1.
Cover: *See*—
Container cover.
Cover or shield for garment hangers. J. D. Coney. 2,135,277; Nov. 1.
Conveyer. J. R. Morrison. 2,134,832; Nov. 1.
Conveyer, Trolley. T. Uyeharu. 2,135,244; Nov. 1.
Cooker, Reciprocating. F. Gerber. 2,134,817; Nov. 1.
Cooling system, Proportioning. A. C. Grant. 2,134,940; Nov. 1.
Core barrel. G. C. Oliver. 2,134,886; Nov. 1.
Core-taking apparatus. J. C. Stokes. 2,134,988; Nov. 1.
Corn harvester gathering mechanism. R. C. Fergason. 2,134,867; Nov. 1.
Corner, Round. R. H. Crouch. 2,134,999, 2,135,000; Nov. 1.
Corrosion, Prevention of. H. A. Beekhuis, Jr. 2,135,160; Nov. 1.
Cosmetic, Protective. S. Isermann, E. Ohlsson, and J. W. Orelup. 2,134,947; Nov. 1.
Cotton cutting machine. J. A. Voss. 2,135,060; Nov. 1.
Coupler, Capacitance. R. Higgins. 2,135,338; Nov. 1.
Coupling connection. E. H. Kocher. 2,134,719; Nov. 1.
Cover and lock, Spare wheel. E. N. Jacobi. 2,134,761; Nov. 1.
Cover interlocking device for safety switches. J. C. Rach. 2,134,986; Nov. 1.
Crane and operating the same, Mail. G. J. Barry. 2,135,272; Nov. 1.
Crate. J. J. Henze. 2,134,875; Nov. 1.
Crate, Shipping. A. L. Kliff. 2,135,401; Nov. 1.
Crown rest for bottle crowning machine. J. Kantor. 2,135,212; Nov. 1.
Crushing machine, Gyratory. P. B. Brown. 2,135,324; Nov. 1.
Cup, Cylinder. C. V. Gardner. 2,134,783; Nov. 1.
Curler, Eyelash. C. M. Palmer. 2,134,731; Nov. 1.
Curler, Hair. J. Jacobs. 2,134,762; Nov. 1.
Current motor. N. J. Schlachter. 2,135,115; Nov. 1.
Curtain-rod holder. J. Zbock. 2,135,159; Nov. 1.
Cutter: *See*—
Pipe cutter.
Cylinder and stop light switch for hydraulic brake systems, Combined master. J. W. White. 2,134,902; Nov. 1.
Damper and damper-clip construction. E. G. Schartow. 2,134,844; Nov. 1.
Decoy, Duck. J. B. Reinhart, Jr. 2,134,891; Nov. 1.
Dental implement. J. D. Wilhoit. 2,134,934; Nov. 1.
Derivatives of cellulose and other polymeric hydroxy compounds, Manufacture of. E. B. Thomas and H. F. Oxley. 2,135,128; Nov. 1.
Device for advertising and like purposes. R. T. and G. H. Riches. 2,135,412; Nov. 1.
Device for continuous treatment of animal carcasses, slaughterhouse offal, etc. A. Sommermeyer. 2,135,203; Nov. 1.
Device for continuously vacuumizing containers. J. W. Uren. 2,135,059; Nov. 1.
Die for forming glove blanks. L. P. Van der Essen and J. R. Lesser. 2,134,961; Nov. 1.
Disk mounting. R. H. Mitchell, O. W. Sjogren, and E. F. Wadelton. 2,135,192; Nov. 1.
Dispenser. M. Allen. 2,135,378; Nov. 1.
Dispenser. H. F. Johnston and E. H. Tompkins. 2,135,180; Nov. 1.
Dispensing apparatus. W. R. Bogan. 2,134,852; Nov. 1.

Dispensing container. M. S. Desser. 2,135,330; Nov. 1.
Dispensing valve, Liquid measuring. W. W. Cannon. 2,135,168; Nov. 1.
Display device. L. G. Englar. 2,135,124; Nov. 1.
Display device. M. Hyndman. 2,135,306; Nov. 1.
Display device. H. L. Myers. 2,135,041; Nov. 1.
Display device. M. M. Soybel and T. B. Lamb. 2,134,846; Nov. 1.
Display sign. P. Morton. 2,134,833; Nov. 1.
Distributor for fluid pressure brake systems. L. Kamenarović. 2,135,007; Nov. 1.
Distributor head for stokers. H. P. Anderson. 2,135,249; Nov. 1.
Dobby finger for looms. E. R. Holmes. 2,135,137; Nov. 1.
Doll with sleeping eyes, Cloth. N. Redlich. 2,134,929; Nov. 1.
Door edge structure, Sensitive. C. W. Bassett. 2,135,131; Nov. 1.
Douche, Nasal. W. H. Rose. 2,135,052; Nov. 1.
Draft regulator. R. M. Vidalie. 2,135,130; Nov. 1.
Drill. G. J. Barrett and S. Robichaux. 2,135,024; Nov. 1.
Duct, Air. W. H. Horster. 2,134,919; Nov. 1.
Dyes, Medicinal azo. R. R. Renshaw and E. T. Tisza. 2,135,293; Nov. 1.
Dyestuffs, Azo. D. Delfs, H. Kleiner, and T. Kollmann. 2,135,433; Nov. 1.
Dyestuffs, Azo. H. Morschel and O. Goll. 2,131,728; Nov. 1.
Dyestuffs, Monoazo. H. Morschel and O. Göll. 2,135,469; Nov. 1.
Dyestuffs, Water-insoluble azo. H. Kleiner, O. Bayer, and W. Kunze. 2,135,008; Nov. 1.
Electric cable. F. L. Aime. 2,134,771; Nov. 1.
Electric communication network. H. R. Allensworth. 2,134,691; Nov. 1.
Electric connecter. A. A. Boon, H. Barknowitz, and G. M. Uitermark. 2,135,163; Nov. 1.
Electric discharge device. E. A. Massa, Jr. 2,134,039; Nov. 1.
Electric switch. H. J. Hammerly. 2,134,717; Nov. 1.
Electrical apparatus. R. T. Zwack. 2,135,435; Nov. 1.
Electrical communication network. H. R. Allensworth. 2,134,690; Nov. 1.
Electrical distribution system. W. H. Frank and L. C. Fisher. 2,134,755; Nov. 1.
Electrode, Arcing. H. L. Rorden. 2,135,353; Nov. 1.
Electrode clamp. W. E. Moore. 2,135,408; Nov. 1.
Electrode positioning device. C. D. Towne. 2,135,296; Nov. 1.
Electron discharge apparatus. W. A. Knoop. 2,134,718; Nov. 1.
Electron discharge device. B. D. H. Tellegen and M. Ziegler. 2,134,896; Nov. 1.
Elevator. C. B. Collins. 2,134,859; Nov. 1.
Emergency tire tool. F. D. Lewis. 2,135,403; Nov. 1.
Energy converter. H. H. Nicholson. 2,134,729; Nov. 1.
Engine: *See*—
Internal combustion engine.
Engine cooling means. R. B. Beisel. 2,134,774; Nov. 1.
Ester synthesis process. J. C. Woodhouse. 2,135,447; Nov. 1.
Esters of high molecular weight. H. Neresheimer, A. Vilsmeier, and K. Heymann. 2,135,259; Nov. 1.
Esters of the anthraquinone series, Leuco. W. Muenster, W. Bauer, K. Boeberle, and M. Bertl. 2,135,258; Nov. 1.
Esters, Preparing aliphatic. D. J. Loder. 2,135,449; Nov. 1.
Esters, Preparation and recovery of aliphatic. A. T. Larson. 2,134,450; Nov. 1.
Ethers, Cellulose hydroxy. G. W. Seymour and V. S. Salvin. 2,134,895; Nov. 1.
Extrusion. J. N. Moorhead. 2,135,193; Nov. 1.
Eyeshield. H. A. Jackson. 2,135,397; Nov. 1.
Fabric: *See*—
Woven wire fabric.
Fabric and making same, Textile. C. Rosenstein. 2,135,413; Nov. 1.
Fabrics in the piece, Dyeing multicolored. G. R. Meyers. 2,135,350; Nov. 1.
Fabrics, Method and apparatus for marking. W. G. Wolkan. 2,135,228; Nov. 1.
Fan, Centrifugal. J. A. Rockwell. 2,135,053; Nov. 1.
Fastener: *See*—
Interlocking fastener.
Fastener release, Strip. R. P. Templeton. 2,135,364; Nov. 1.
Faucet. A. L. Boscow and A. V. Worthington. 2,134,966; Nov. 1.
Faucet, Beer. G. J. Belknap. 2,135,298; Nov. 1.
Feed mechanism. M. J. Milmoe. 2,135,090; Nov. 1.
Feed mechanism for grain separators. C. S. Brye. 2,135,099; Nov. 1.
Field photostating apparatus. V. H. Cornell. 2,134,704; Nov. 1.
Filing and finding system, Selective. R. O. Griffin. 2,134,715; Nov. 1.
Film projecting mechanism. H. Griffin and A. Kindelmann. 2,134,916; Nov. 1.
Film winding mechanism, Cinematographic. T. Shimizu. 2,135,357; **Nov. 1.**
Filter. C. A. Campbell. 2,135,100; Nov. 1.
Filter. L. Durgen. 2,134,967; Nov. 1.
Filter drum construction. L. E. Cobb. 2,134,703; Nov. 1.
Fire box, Oil-burning. W. B. Graham. 2,134,871; Nov. 1.
Fire extinguishing foam, Method of and agent for producing. L. G. M. Timpson. 2,135,365; Nov. 1.
Fireplace hot air circulator. T. B. Winnett. 2,134,935; Nov. 1.
Firing pin arrangement for guns. R. W. Hoagland and C. M. Shepherd. 2,135,005; Nov. 1.
Flashlight. C. F. Burgess. 2,134,856; Nov. 1.
Flotation and agent therefor. I. H. Derby and O. D. Cunningham. 2,134,706; Nov. 1.
Flowmeter. F. V. A. Engel and A. L. Hancock. 2,134,864; Nov. 1.
Fluid motor, Rotary. V. L. Bendsil and L. J. St. John. 2,135,161; Nov. 1.
Fluid pressure device. W. G. Doyle. 2,134,780; Nov. 1.
Fluids, Method of and apparatus for dispensing. K. C. Allison. 2,134,772; Nov. 1.
Fluids, Method of and apparatus for proportioning the flow of. H. Ziebolz and H. J. Velten. 2,134,745; Nov. 1.
Form, Display. N. Hurwitz. 2,134,974; Nov. 1.
Fractionating apparatus and method of fractionation. D. A. Monro. 2,134,882; Nov. 1.
Frame for axminster looms, Tube. O. V. Payne. 2,135,143; Nov. 1.
Frame for axminster looms, Tube. W. W. Robertson. 2,135,147; Nov. 1.
Friction clutch. R. L. Brownlee. 2,135,384; Nov. 1.
Friction clutch. C. E. Harwood. 2,135,126; Nov. 1.
Fuel, Apparatus for feeding and burning. W. F. Panke. 2,134,887; Nov. 1.
Fuel burning apparatus, Fluid. J. W. Cannon. 2,135,275; Nov. 1.
Fuel feed system for internal combustion engines. F. E. Swain. 2,135,243; Nov. 1.
Fuel heating and vaporizing system for internal combustion engines. A. Finestone. 2,135,001; Nov. 1.
Fuels containing polymerized gasoline, Production of blended antiknock motor. W. E. Currie. 2,135,068; Nov. 1.
Furnace blower mounting. R. Grover. 2,135,252; Nov. 1.
Fuse, Enclosed. H. T. Bussmann. 2,135,166; Nov. 1.
Fuse, High tension expulsion. A. E. Brock. 2,135,164; Nov. 1.
Game. D. R. Baker. 2,135,421; Nov. 1.
Game apparatus. A. T. Joze. 2,135,182; Nov. 1.
Game board. I. R. Paris. 2,135,411; Nov. 1.
Garment. M. S. Levinson. 2,135,139; Nov. 1.
Garment and fastening means. J. R. Lankenau. 2,134,976; Nov. 1.
Garment and moistureproof cover means. J. R. Lankenau. 2,134,977; Nov. 1.
Garment hanger. J. D. Coney. 2,135,276; Nov. 1.
Garment hanger. G. Q. Johnson. 2,135,255; Nov. 1.
Garment, Sleeping. L. W. Helmuth. 2,135,286; Nov. 1.
Gas burner. R. L. Haney. 2,134,972; Nov. 1.
Gas cleaner. O. R. Rice. 2,135,201; Nov. 1.
Gas measuring and dispensing apparatus. R. B. Everson. 2,135,302; Nov. 1.
Gasket. M. D. Fitzgerald. 2,134,868; Nov. 1.
Gasoline and coke, Manufacture of. P. Ostergaard. 2,135,108; Nov. 1.
Gearing, Variable speed. J. Yoxall. 2,135,246; Nov. 1.
Glass, Apparatus for case hardening. W. Owen. 2,134,797; Nov. 1.
Glass, Apparatus for feeding molten. T. F. Pearson. 2,134,732; Nov. 1.
Glass, Laminated. W. O. Herrmann. 2,135,075; Nov. 1.
Glass surfacing table, Plate. W. Owen. 2,134,798; Nov. 1.
Governor mechanism. F. G. Hobart. 2,134,758; Nov. 1.
Grain separator. H. L. Johnson. 2,135,343; Nov. 1.
Grinder, Edge trimmer. E. Dunford. 2,134,751; Nov. 1.
Guard for glass coffee makers, Safety. G. A. Charlston 2,135,102; Nov. 1.
Guard, Highway. J. O. Johnson. 2,135,400. Nov. 1.
Guard, Propeller. J. R. Benson. 2,135,162; Nov. 1.
Gum, Residual. F. W. Corkery. 2,135,423; Nov. 1.
Gyrocompass. W. L. Smith. 2,134,932; Nov. 1.
Hair waving apparatus. P. Santurello. 2,135,055; Nov. 1.
Hair waving device. D. F. La Fortune. 2,134,878; Nov. 1.
Hair-waving heater. G. Freudenberg. 2,134,869; Nov. 1.
Hand lamp switch. C. F. Burgess. 2,134,857; Nov. 1.
Handle: *See*—
Valve handle.
Handle for drawers. P. Zalkind. 2,135,021; Nov. 1.
Handle securing device, Valve. C. F. Hause. 2,134,874; Nov. 1.
Hanger: *See*—
Garment hanger.
Harrow or drag lift. H. Richardson. 2,135,241; Nov. 1.
Harvester. J. P. McLarry. 2,134,792; Nov. 1.
Heat exchange apparatus, Fluid. F. X. Gilg. 2,134,713; Nov. 1.
Heat pump. H. Gibson. 2,135,285; Nov. 1.
Heater: *See*—
Air heater.
Hair-waving heater.
Heater. C. E. Meyerhoefer. 2,135,089; Nov. 1.

Heater for blast furnaces, Air. A. Schack. 2,134,804; Nov. 1.
Heating and cooling system for vehicles. L. C. McClanahan and F. G. Riedel. 2,134,724; Nov. 1.
Heel construction for shoes. F. M. and P. H. Gilkerson. 2,135,135; Nov. 1.
High frequency reed block. C. Lindeberg. 2,135,310; Nov. 1.
Hinge. J. Erickson. 2,135,280; Nov. 1.
Hinge. P. Wimmenauer. 2,134,993; Nov. 1.
Hitch and brake mechanism, Automatic. J. L. Salerno. 2,134,931; Nov. 1.
Holder: *See*—
Bottle holder.
Collar holder.
Curtain-rod holder.
Ladder holder.
Multiple-electrode holder.
Racket holder.
Shoulder-strap holder.
Holder and protector, Crayon. M. C. Dvorak. 2,134,863; Nov. 1.
Hood for baby carriages. E. Bucher. 2,134,855; Nov. 1.
Hose and supporter. E. F. Gaines. 2,135,434; Nov. 1.
Hydrocarbon mixtures into fractions, Separating. M. Landau. 2,135,009; Nov. 1.
Hydrocarbons, Nitration of aromatic. J. Meissner. 2,135,012; Nov. 1.
Hydrocarbons, Separation of. O. C. Brewster 2,134,699–702; Nov. 1.
Hydrocarbons, Treating. W. G. Hiatt. 2,134,824; Nov. 1.
Ignition coils, Method of and apparatus for testing. G. H. Allen. 2,135,269; Nov. 1.
Illuminated switch. M. L. Bigman. 2,134,696; Nov. 1.
Illuminating attachment for switch devices. M. L. Bigman. 2,134,695; Nov. 1.
Image dissector and electron beam analysis. R. E. Rutherford. 2,135,149; Nov. 1.
Implement. J. C. Harkness. 2,134,942; Nov. 1.
Impregnating. J. E. Hoy and C. S. Harris. 2,135,127; Nov. 1.
Indicating mechanism. C. I. McNeil. 2,135,106; Nov. 1.
Indicator: *See*—
Tire pressure indicator.
Ingot stool. H. Felsing. 2,134,970; Nov. 1.
Insulator. J. J. Taylor. 2,135,362; Nov. 1.
Insulator, Suspension. J. J. Taylor and F. G. Bovard. 2,135,359; Nov. 1.
Insulators, Assembling electric. O. G. Calland. 2,135,326; Nov. 1.
Interlocking fastener. R. Rieser. 2,134,892; Nov. 1.
Internal combustion engine. H. D. Church. 2,134,811; Nov. 1.
Internal combustion engine. M. Kadenacy. 2,134,920; Nov. 1.
Iron, Manufacture of cast. J. W. Bampfylde. 2,134,905; Nov. 1.
Iron or steel articles with aluminum, Coating. K. Dellgren. 2,135,387–8; Nov. 1.
Iron ores or spongy iron obtained therefrom, Treatment of titanium bearing. K. Iwasé. 2,135,466; Nov. 1.
Ironing machine. P. E. Geldhof. 2,134,915; Nov. 1.
Ironing press. G. W. Wardwell, Jr. 2,135,266; Nov. 1.
Jack. C. S. Johnston. 2,135,080; Nov. 1.
Jacks, Attachment for hydraulic. G. A. Countryman. 2,135,278; Nov. 1.
Joint. H. W. Giffin. 2,135,048; Nov. 1.
Kit, First-aid. J. Malik. 2,135,238; Nov. 1.
Knife. W. F. Harwell. 2,134,973; Nov. 1.
Knife, Adjustable. J. H. Perkins. 2,134,839; Nov. 1.
Knitting darning machine. P. Obermayr. 2,135,142; Nov. 1.
Knitting machine. F. J. Kern. 2,134,083; Nov. 1.
Knitting machine. M. C. Miller. 2,134,727; Nov. 1.
Ladder holder. C. S. Herrmann and F. J. Ott. 2,134,823; Nov. 1.
Ladles, Manufacturing. M. W. Goldberg and W. W. Drissen. 2,134,785; Nov. 1.
Lamp: *See*—
Cathodic lamp.
Spot lamp.
Lamp system, Discharge. E. F. W. Alexanderson. 2,135,268; Nov. 1.
Lapping machine. R. H. Lawson and W. Jackson. 2,135,186; Nov. 1.
Last, Sole-pressing. K. Sandt. 2,135,016; Nov. 1.
Latch. W. N. Edwards. 2,135,209; Nov. 1.
Latch. H. A. Knauff. 2,135,105; Nov. 1.
Lead-in, Transposed. F. E. Johnston. 2,135,344; Nov. 1.
Life-saving appliance. M. A. Antognazzi. 2,135,095; Nov. 1.
Lifts, Electric system of control for. N. C. Smart. 2,135,153; Nov. 1.
Light, Producing polychromatic. C. G. Found. 2,135,283; Nov. 1.
Lighter, Electric cigar. P. E. Ashton and S. L. Wolfson. 2,135,270; Nov. 1.
Lightning arrester. L. R. Ludwig, W. G. Roman, F. B. Johnson, and W. E. Berkey. 2,135,085; Nov. 1.
Lime spreader, Floor. R. V. Hove. 2,135,077; Nov. 1.
Lining material, Laminated. F. H. Russell. 2,135,473; Nov. 1.
Liquid congealing apparatus and treating same. W. B. Anderson. 2,135,022–3; Nov. 1.
Liquid storing and dispensing device. E. R. Essery. 2,134,865; Nov. 1.
Liquids to power generating devices, Controlling the supply of supplementary. L. B. Kimball. 2,135,431; Nov. 1.
Loading machine. F. B. Miller. 2,135,141; Nov. 1.
Lock: *See*—
Permutation lock.
Spring lock.
Lock construction. S. Brantingson. 2,135,322–3; Nov. 1.
Locking device. R. W. Laing. 2,134,922; Nov. 1.
Loom: *See*—
Axminster loom.
Box loom.
Magnetic loom.
Shuttle changing loom.
Loom stopping mechanism, Weft controlled. J. Regan. 2,134,842; Nov. 1.
Loom with shuttle changing and loom stopping mechanism. R. G. Turner. 2,135,155; Nov. 1.
Looms, Let-off mechanism for. W. P. Bodie. 2,135,098; Nov. 1.
Lubricant. R. Reuter. 2,134,736; Nov. 1.
Lubrication. J. Bijur. 2,134,697; Nov. 1.
Lubricator plate, Car axle. H. H. Grece. 2,134,872; Nov. 1.
Machine for applying pressure to shoe bottoms. V. H. Meyer. 2,134,726; Nov. 1.
Machine for cutting strip material for shoes. H. B. Lupien. 2,134,949; Nov. 1.
Machine for hulling nut meats from their shells. I. J Fisher. 2,135,393; Nov. 1.
Machine for making filament supporting structures. A. Koenig. 2,135,288; Nov. 1.
Machine fer spreading and finishing plastic pavements. A. W. French. 2,134,689; Nov. 1.
Machine to bend or twist connecting rods. E. A. Arp. 2,134,773; Nov. 1.
Machine used in construction twin heddle. I. Andrews and H. O. Coddington. 2,134,692; Nov. 1.
Magnesium, Production of. K. Erdmann. 2,134,969; Nov. 1.
Magnetic loom. P. B. Wilson. 2,135,373; Nov. 1.
Magnetic structure for dynamo-electric machines. T. G. Myers. 2,134,795; Nov. 1.
Magnetron modulation system. M. Ponte and L. M. Elie. 2,135,199; Nov. 1.
Map, Star. C. M. Houston. 2,135,287; Nov. 1.
Marker. V. N. Pass. 2,134,799; Nov. 1.
Markings, Transferring. H. L. Wampner. 2,135,446; Nov. 1.
Material and garments therefrom for bathing and swimming, Manufacture or production of. G. W. Billing. 2,1345,027; Nov. 1.
Material and producing same, Friction. E. A. Wales. 2,134,744; Nov. 1.
Material, Treating biologic. S. C. Allen. 2,134,679; Nov. 1.
Materials, Impregnation of. L. A. Meisse. 2,135,349; Nov. 1.
Materials, Impregnation of porous. E. R. Boller. 2,135,029; Nov. 1.
Mats, Apparatus for forming automobile floor. H. M. Flint and C. Schermerhorn. 2,134,754; Nov. 1.
Mats, Apparatus for making glass fiber. A. L. Forster. 2,135,072; Nov. 1.
Measuring and severing device. E. C. Rehbein. 2,135,113; Nov. 1.
Measuring device. G. B. Meanley. 2,134,725; Nov. 1.
Meat and the like, Aging and pickling. C. C. Guthrie and W. S. McElroy. 2,135,334; Nov. 1.
Mercury for use in mercury switches, Preparation of. P. S. Bear. 2,134,604; Nov. 1.
Mesh jetty. T. R. Herbest, Jr. 2,135,337; Nov. 1.
Metal rods, Continuous casting of. S. Junghans. 2,135,183; Nov. 1.
Metal shapes, Continuous casting of. B. E. Eldred. 2,135,465; Nov. 1.
Metal shearing machine. C. A. Frick. 2,135,002; Nov. 1.
Metallic objects such as pipes, tanks, and the like from corrosion or other injury, Method and apparatus for coating and protecting. U. B. Bray and M. S. Reynolds. 2,135,208; Nov. 1.
Meter tester, Fluid. W. C. Wagner and F. Strattner. 2,135,061; Nov. 1.
Milk and milk preparations, Treatment of. C. Schwartz. 2,135,054; Nov. 1.
Mill for chocolates, colors, etc., Automatic mixing and fine-grinding. L. Theiner. 2,134,897; Nov. 1.
Mills, Roller and roller and breast. H. E. Cox and J. R. Torrance. 2,135,174; Nov. 1.
Mine car. A. R. Long. 2,135,405; Nov. 1.
Mirror device. D. E. Reed. 2,135,145; Nov. 1.
Mold: *See*—
Butter mold.
Casting mold.
Mold. H. E. McWane. 2,134,829; Nov. 1.
Molded composition. K. M. Irey. 2,134,760; Nov. 1.
Molding machine. F. R. Wallace. 2,135,370; Nov. 1.
Molding machine. R. H. Wiehsner. 2,135,372; Nov. 1.
Mop. W. T. Whitaker. 2,134,990; Nov. 1.
Motor: *See*—
Current motor.
Fluid motor.
Motor. I. P. Haring. 2,134,786; Nov. 1.
Motor vehicle. W. R. Griswold. 2,135,477; Nov. 1.
Motors, Apparatus for imparting shunt speed characteristics to polyphase commutator. A. S. Norcross. 2,135,260; Nov. 1.
Motors, Operating shaded pole. G. W. and W. P. Crise. 2,134,685; Nov. 1.
Motors, Speed control of. L. H. Von Ohlsen. 2,134,900; Nov. 1.

Motor-drive vehicle. M. Wagner. 2,135,314; Nov. 1.
Mounting: *See*—
Disk mounting. Furnace blower mounting.
Mounting for recording instruments, Chart. G. W. Grisdale. 2,134,873; Nov. 1.
Mucking machine dipper. W. A. Whitmire. 2,134,991; Nov. 1.
Mucking machine dipper hoisting means. W. A. Whitmire. 2,134,992; Nov. 1.
Mullion construction. L. G. Jost. 2,134,790; Nov. 1.
Multiple-coating or finishing. M. O. Schur. 2,135,151; Nov. 1.
Multiple-electrode holder. M. Marton. 2,135,086; Nov. 1.
Nail or fastener, Clamp. M. C. Putnam. 2,134,765; Nov. 1.
Needle bed for knitting machines. R. H. Lawson and W. L. Smith, Jr. 2,135,187; Nov. 1.
Needle carriage for hypodermic needles. F. S. Dickinson and E. R. Lawshe. 2,135,279; Nov. 1.
Nitriles, Motor fuel containing. V. Conquest. 2,135,327; Nov. 1.
Nitrohydroxy compounds of the paraffin series, Preparing. B. M. Vanderbilt. 2,135,444; Nov. 1.
Nozzle, Non-drip. F. L. Drew. 2,134,709; Nov. 1.
Nutcracker. K. H. Wylie. 2,135,420; Nov. 1.
Oil and recovering stabilized distillate, Cracking hydrocarbon. P. Ostergaard. 2,134,926; Nov. 1.
Oil, Built-up lubricating. G. M. Maverick. 2,135,092; Nov. 1.
Oil, Conversion of hydrocarbon. W. W. Gary. 2,135,332; Nov. 1.
Oil from underground reservoirs, Secondary recovery of. G. S. Bays. 2,135,319; Nov. 1.
Oil, Paint. F. W. Corkery. 2,135,425; Nov. 1.
Oil products, Mineral. R. L. Sibley. 2,134,959; Nov. 1.
Oil, Recovering maize. E. J. Boroughs. 2,135,462; Nov. 1.
Oil return system for turbine pumps, Automatic. J. M. Hait. 2,134,818; Nov. 1.
Oil, Solvent refining of mineral. R. D. Taveau, L. A. Clarke, and R. E. Manley. 2,135,363; Nov. 1.
Oils, Cracking hydrocarbon. P. Ostergaard. 2,135,014; Nov. 1.
Oils, Cracking petroleum. P. Ostergaard. 2,135,109; Nov. 1.
Olefin oxides from gaseous mixtures and hydrolyzing to form corresponding glycols, Recovering. F. R. Balcar. 2,135,271; Nov. 1.
Olefines, Polymerization of. D. R. Stevens and W. A. Gruse. 2,135,117; Nov. 1.
Olefines, Sulphonating and sulphating. C. M. Suter. 2,135,358; Nov. 1.
1,1-aryloxy halo ethylenes. G. H. Coleman and B. C. Hadler. 2,135,123; Nov. 1.
Opener, Can. L. O. Shaffer. 2,135,116; Nov. 1.
Optical means for increasing rear vision. E. W. Schumacher. 2,135,262; Nov. 1.
Optical reproduction of lenticulated or goffered films. A. H. J. D. Saint Genies. 2,135,396; Nov. 1.
Organic complex, Separation of constituents from an. D. J. Loder. 2,135,456; Nov. 1.
Organic complexes, Separation of the constituents in. D. J. Loder. 2,135,457; Nov. 1.
Organic complexes, Separation of constituents from. R. F. Schultz. 2,135,458; Nov. 1.
Organic compounds, Preparation of oxygenated. D. J. Loder. 2,135,453; Nov. 1.
Ornamentation, Inlaid metal surface. O. P. Riedel. 2,134,737; Nov. 1.
Oven, Metallic lithographic. R. Byron. 2,134,906; Nov. 1.
Package and rack, Combined display. H. M. Abrams. 2,135,093; Nov. 1.
Package, Combination. F. Smith. 2,135,242; Nov. 1.
Package structure. L. G. Copeman. 2,134,908; Nov. 1.
Packaging device. G. M. Ehlers. 2,135,134; Nov. 1.
Packing, Elastic fluid turbine. F. Herrlinger. 2,135,304; Nov. 1.
Pad: *See*—
Bunion pad.
Pad holding device. J. E. Renholdt. 2,135,470; Nov. 1.
Pants, Athletic. M. Luery and E. Beler. 2,135,213; Nov. 1.
Paper box, Folding. A. Cormier. 2,134,860; Nov. 1.
Paper, Method of and apparatus for coating. D. R. MacDonald. 2,135,406; Nov. 1.
Paste tube. W. C. Dvorak. 2,134,910; Nov. 1.
Pasteurizers, Temperature-control system for. R. E. Olson. 2,135,216; Nov. 1.
Pattern mechanism for knitting. R. H. Lawson and A. N. Cloutier. 2,135,185; Nov. 1.
Permutation lock, Snap action. R. K. Winning. 2,135,317; Nov. 1.
Pentaglycol, Producing. J. F. Walker and N. Turnbull. 2,135,063; Nov. 1.
Phonograph. R. H. Heacock. 2,134,035; Nov. 1.
Phosphate, Making crystalline monocalcium. R. L. Sebastian. 2,135,475; Nov. 1.
Photographic enlarger. A. Grant. 2,135,074; Nov. 1.
Piano. D. Beck. 2,134,680; Nov. 1.
Picker, Fruit. P. R. Sammons. 2,134,354; Nov. 1.
Pile-driving attachment for booms. J. B. Templeton. 2,134,989; Nov. 1.
Pipe: *See*—
Smoker's pipe. Ventilating pipe.
Subdrainage pipe.
Pipe cutter. F. N. Osmun. 2,134,796; Nov. 1.
Pipe elements, Making bent. P. Boissou. 2,134,853; Nov. 1.
Pipe or tube protector. A. E. Osborn. 2,134,730; Nov. 1.
Pipe with removable adjustable cover, Smoker's. F. Hudes. 2,135,179; Nov. 1.
Piston rings, Expanding. L. I. Sieven. 2,135,415; Nov. 1.
Pitch, Modified. F. W. Corkery. 2,135,424; Nov. 1.
Plastic, Making corn gluten. G. J. Leucs. 2,134,764; Nov. 1.
Plate assembly. J. A. McBrady. 2,135,191; Nov. 1.
Plow, Tractor. L. D. H. Anderson. 2,134,848; Nov. 1.
Plug: *See*—
Spark plug.
Plug and socket, Electrical. M. Alden. 2,135,267; Nov. 1.
Plumb bob. M. E. Johnson. 2,135,211; Nov. 1.
Point or plane finder. L. V. and S. A. Whistler. 2,135,316; Nov. 1.
Polishing apparatus. B. H. Reeves. 2,135,200; Nov. 1.
Polymerization products, Manufacturing. D. E. Strain. 2,135,443; Nov. 1.
Polymers and product, Making tough styrol. O. H. Smith. 2,135,264; Nov. 1.
Popcorn machine. J. R. Burch. 2,134,682; Nov. 1.
Portable container. A. C. Sladky. 2,135,225; Nov. 1.
Position indicating mechanism for machine tools. M. L. Strawn. 2,134,743; Nov. 1.
Pour inhibitor and manufacturing the same. J. H. Bartlett and A. H. Gleason. 2,135,044; Nov. 1.
Power apparatus. A. G. Platt. 2,135,110; Nov. 1.
Power plant, Elastic fluid. B. Hoffmann. 2,135,305; Nov. 1.
Power plant suspension means. C. Geissen. 2,135,394; Nov. 1.
Power transmission device. H. Föttinger. 2,135,282; Nov. 1.
Power unit for washing machines. J. Mikulasek. 2,134,981; Nov. 1.
Press: *See*—
Ironing press.
Press. C. N. Benander. 2,135,299; Nov. 1.
Press cylinder, Printing. H. P. Schmidt. 2,135,150; Nov. 1.
Press for attaching rubber trim. J. P. Marshall. 2,134,723; Nov. 1.
Pressure and sealing device for containers. W. C. Parrott. 2,134,985; Nov. 1.
Pressure cooler. J. Bucher and E. F. Tullar. 2,135,165; Nov. 1.
Pressure switch. H. L. Van Valkenburg and C. A. Schaefer. 2,135,265; Nov. 1.
Printing. H. P. Elliott. 2,134,815; Nov. 1.
Printing telegraph. L. H. and D. S. James. 2,135,398; Nov. 1.
Propeller. T. Kelleway. 2,134,921; Nov. 1.
Propeller, Aeronautical. E. Martin. 2,135,190; Nov. 1.
Propeller drive mechanism, Aeroplane. P. Blaser. 2,135,381; Nov. 1.
Protector: *See*—
Sanitary protector.
Tree clamp or cup protector.
Pulley, Self-adjusting. F. W. Moore. 2,135,214; Nov. 1.
Pulley, Variable speed. I. E. McElroy and R. H. Shadrick. 2,135,348; Nov. 1.
Pulp stock agitating apparatus. J. A. Rosmait. 2,135,261; Nov. 1.
Pump: *See*—
Heat pump. Well pump.
Pump attachment, Windmill. R. H. Price. 2,135,112; Nov. 1.
Pumping apparatus. W. H. De Lancey. 2,134,686; Nov. 1.
Pumping mechanism. J. M. Bartholomew. 2,134,693; Nov. 1.
Quinone, Preparing. N. H. Vagenius and R. J. Kidd. 2,135,368; Nov. 1.
Racket holder. F. F. Sprow. 2,135,226; Nov. 1.
Radio or like receiver. A. W. Edwards. 2,134,913; Nov. 1.
Radio receiving set. J. E. Petersen. 2,135,144; Nov. 1.
Radio shielding means. R. T. Hurley. 2,134,946; Nov. 1.
Radiographic substance. A. P. Sachs. 2,135,474; Nov. 1.
Rail ends, Apparatus for reforming. C. A. Miller. 2,135,107; Nov. 1.
Rail flaw detector mechanism. W. M. Perry. 2,135,050; Nov. 1.
Receiver, Superregenerative. J. L. Reinartz. 2,134,801; Nov. 1.
Receptacle. J. J. Fitz Gerald. 2,135,392; Nov. 1.
Receptacle-making machine. J. D. Reifsnyder. 2,135,219; Nov. 1.
Recording device. S. A. Bokovoy and P. D. Gerber. 2,135,028; Nov. 1.
Rectifying device. T. Jurriaanse. 2,135,006; Nov. 1.
Reed with detachable dents. J. S. Hall. 2,135,136; Nov. 1.

Reflector, Electric light. H. F. Hitner. 2,134,788; Nov. 1.
Refrigerating apparatus. E. B. Newill. 2,135,091; Nov. 1.
Refrigerating machine of the absorption type. A. Bikkers. 2,134,996; Nov. 1.
Refrigeration. F. D. Peltier. 2,134,888; Nov. 1.
Refrigerator, Double wall. W. Jones. 2,135,181; Nov. 1.
Refrigerator. E. Korber. 2,135,402; Nov. 1.
Regulator: *See*—
Draft regulator. Viscosity regulator.
Regulator. A. B. Leven. 2,135,010; Nov. 1.
Relay. W. K. Howe. 2,134,945; Nov. 1.
Relay, Alternating current. M. A. Scheg. 2,134,956; Nov. 1.
Relay, Time delay. B. Plesker and W. Goy. 2,134,951; Nov. 1.
Relay, Tractive type. W. K. Howe and J. F. Merkel. 2,134,944; Nov. 1.
Resin composition, Pigmented synthetic. C. F. Silleck. 2,134,741; Nov. 1.
Resistance element. H. F. Fruth. 2,134,870; Nov. 1.
Resistor elements, Making. G. M. Ehlers. 2,134,752; Nov. 1.
Rethreading machine for restricted bores. I. H. Ihm and C. F. Tuttle. 2,135,339; Nov. 1.
Retriever. G. J. Dawn. 2,135,232; Nov. 1.
Ribbon shift mechanism. E. G. Watkins and J. A. Dell. 2,135,156; Nov. 1.
Rod: *See*—
Connecting rod.
Rod weeder. C. F. Bloom. 2,135,382; Nov. 1.
Rods, Apparatus for continuous casting of metal. S. Junghans. 2,135,184; Nov. 1.
Rods or like reciprocating members, Varying the stroke of pump. E. F. N. McGauchie. 2,135,011; Nov. 1.
Roll construction, Venetian blind ladder-web. J. A. Hendley. 2,134,918; Nov. 1.
Roll-forming machine. R. M. Frame. 2,134,914; Nov. 1.
Roller and transporting same, Road. B. Moore, Jr. 2,134,884; Nov. 1.
Roller for conveyor furnaces. J. Fallon. 2,135,175; Nov. 1.
Roller, Road. B. Moore, Jr. 2,134,883; Nov. 1.
Roof, Silo. C. A. Bangert. 2,135,437; Nov. 1.
Rubber mixings, Manufacture of multicolored. A. Holzapfel. 2,135,395; Nov. 1.
Rubber, Vulcanization of. L. B. Sebrell. 2,134,957; Nov. 1.
Saccharine-aspirin tablet. J. A. Glassman. 2,134,714; Nov. 1.
Safe and liner therefor. A. M. De Voursney. 2,134,861; Nov. 1.
Safety device for clothes wringers. W. C. F. Dietz. 2,134,779; Nov. 1.
Sanitary protector. H. E. Nichols and L. Rabiner. 2,134,925; Nov. 1.
Screen: *See*—
Vibrating screen.
Scriber for moving picture films. J. M. Goldberg. 2,134,938; Nov. 1.
Scumming apparatus for liquids. R. T. Steindorf and A. C. Lind. 2,135,442; Nov. 1.
Scythe snath web. E. N. Birge. 2,135,273; Nov. 1.
Seal for crushing machines, Dust. M. R. Hull, B. C. Morrow, and W. H. Casto. 2,134,876; Nov. 1.
Seal for gyratory crushers, Dust. R. C. Newhouse and G. F. De Wein. 2,134,885; Nov. 1.
Sealing and lubricating device. C. C. Farmer. 2,135,251; Nov. 1.
Sealing-in apparatus for electric lamps and the like. W. W. Loebe, G. Müller, and K. Weinmann. 2,135,290; Nov. 1.
Searchlight. I. A. Yost and W. H. Jacobi. 2,134,847; Nov. 1.
Selector for electric connecting systems. M. B. Richter. 2,135,015; Nov. 1.
Selector mechanism, Electric. R. F. Dirkes. 2,134,708; Nov. 1.
Separating process and apparatus. H. M. Threlkeld 2,134,768; Nov. 1.
Separator: *See*—
Grain separator. Water separator.
Shaving implement. N. Testi. 2,134,960; Nov. 1.
Sheathing to metal, Securing. J. D. Crecca. 2,134,705; Nov. 1.
Sheave, Variable pitch. O. F. Metz. 2,135,467; Nov. 1.
Sheet metal for receiving bolts, screws, or the like, Adapting. G. A. Tinnerman. 2,135,417; Nov. 1.
Sheet metal, Providing fastening means in. G. A. Tinnerman. 2,135,418; Nov. 1.
Shelter, Beach. S. S. Levy. 2,134,879; Nov. 1.
Shield, Erasing. T. Fletcher. 2,134,688; Nov. 1.
Shock absorber. C. H. Foster. 2,135,281; Nov. 1.
Shoe. W. L. Delaney. 2,135,233; Nov. 1.
Shoe and making the same. J. Cavanagh. 2,135,170; Nov. 1.
Shoe heel member. W. P. Harty. 2,135,335; Nov. 1.
Shoe last. G. Clausing. 2,135,172; Nov. 1.
Shoe last, Remodeled. H. Clausing. 2,135,173; Nov. 1.
Shoulder-strap holder. E. B. Young. 2,135,020; Nov. 1.
Shutter, Photographic. F. Schleber and A. Wolf. 2,134,766; Nov. 1.
Shuttle changing loom. W. W. Robertson. 2,135,146; Nov. 1.
Sign: *See*—
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Traffic signal. Traffic control signal.
Signal device, Sounding. R. M. Critchfield. 2,135,328; Nov. 1.
Signal transmission. M. Baesecke. 2,134,850; Nov. 1.
Signaling or controlling system, Electric. R. J. Wey. 2,134,901; Nov. 1.
Size, Making a. A. C. Dreshfield and H. A. Johnstone. 2,134,911; Nov. 1.
Size, Rosin. A. C. Dreshfield and H. A. Johnstone. 2,134,912; Nov. 1.
Skimming device for glass tanks or furnaces. T. F. Pearson. 2,134,838; Nov. 1.
Skiving machine. C. C. Bell. 2,134,809; Nov. 1.
Slips for oil tools, Making cast iron. C. E. Burt. 2,134,749; Nov. 1.
Smoker's pipe. J. H. Flatley. 2,134,781; Nov. 1.
Soap, Apparatus for finishing. R. V. Burt, R. A. Duncan, and R. J. Short. 2,135,325; Nov. 1.
Solenoid. F. V. Clancy. 2,134,777; Nov. 1.
Solvent refining with nitroalcohols. G. H. Morey. 2,135,468; Nov. 1.
Spark plug. G. M. Paulson. 2,135,240; Nov. 1.
Spark plug. H. A. Vila. 2,135,297; Nov. 1.
Spatula. S. C. Winger. 2,134,807; Nov. 1.
Spear, Fish. R. L. Shores. 2,135,414; Nov. 1.
Speed and distance by radiant energy, Measuring. R. Gunn. 2,134,716; Nov. 1.
Speed transmission, Variable. W. C. Braden. 2,135,274; Nov. 1.
Spider. R. D. Fisher. 2,135,070; Nov. 1.
Spinning machine, Turbine blade tenon. J. G. Morgan and J. C. Bohan. 2,135,040; Nov. 1.
Spot lamp. H. W. Sisson. 2,135,263; Nov. 1.
Spraying device. W. M. Vogel. 2,134,899; Nov. 1.
Spring assembly. H. Krackemier. 2,134,720; Nov. 1.
Spring lock. M. Kaplan and G. Rosenberg. 2,134,828; Nov. 1.
Sprinkler and deflector therefor, Automatic. H. C. Kendall. 2,135,138; Nov. 1.
Staging. A. Kakides. 2,134,975; Nov. 1.
Stairway, Moving. D. L. Lindquist. 2,135,188; Nov. 1.
Standard, Theater aisle. H. J. McKinney. 2,135,311; Nov. 1.
Stay for pan sets. J. G. Jackson. 2,135,340; Nov. 1.
Stay, Pan set. J. G. Jackson. 2,135,341; Nov. 1.
Steering mechanism. E. W. Baxter. 2,134,748; Nov. 1.
Steering mechanism. H. Kraekemier. 2,134,721; Nov. 1.
Stereoscopy, Anaglyph. J. A. Norling. 2,135,197; Nov. 1.
Sterilization, Achieving absolute. A. Moon. 2,134,924; Nov. 1.
Still residue, Treatment of. F. W. Corkery. 2,135,426–7; Nov. 1.
Still residue, Treatment of. F. W. Corkery. 2,135,430; Nov. 1.
Stone and making same, Artificial pulp grinding. H. P. Scheel, Jr. 2,134,738; Nov. 1.
Stop, Margin-regulating. H. C. Fox. 2,135,177; Nov. 1.
Stop mechanism for presses. D. Smith. 2,134,933; Nov. 1.
Storage for granular materials, Bulk. J. H. Lienau and J. J. Neuman. 2,134,948; Nov. 1.
Strap adjusting device, Accordion. J. M. Bolster. 2,134,854; Nov. 1.
Strips to sheet material, Apparatus for applying decorative. A. E. Collins. 2,135,385; Nov. 1.
Streamlines of a fluid, Materializing the. H. Redon. 2,134,890; Nov. 1.
Subdrainage pipe, Lock-joint. D. B. Dimick. 2,135,103; Nov. 1.
Suction apparatus. W. Roy. 2,135,148; Nov. 1.
Suction gatherer. T. F. Pearson. 2,134,733–4; Nov. 1.
Supercharger for gas engines. W. F. Stanton. 2,134,742; Nov. 1.
Superheterodyne receiving system. J. Piebanski. 2,135,051; Nov. 1.
Supervisory control system. C. E. Stewart and L. D. White. 2,135,295; Nov. 1.
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Support. J. J. Taylor. 2,135,361; Nov. 1.
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Swab device for wells. W. J. Campbell. 2,135,167; Nov. 1.
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Switchgear structure, Metal-clad. F. H. Cole. 2,135,250; Nov. 1.
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Table and book holder, Combined bed. W. J. Boyle. 2,134,810; Nov. 1.
Tack container. R. Peppiatt. 2,134,927; Nov. 1.
Tamale machine. M. W. Dunnam. 2,134,862; Nov. 1.

Tampon and making it. D. C. Reynolds. 2,134,930; Nov. 1.
Tape, Apparatus for pulling. J. S. Cavalcante. 2,134,998; Nov. 1.
Taping head for winding apparatus. H. Zarafu. 2,134,994; Nov. 1.
Teapot. L. Nolte. 2,135,313; Nov. 1.
Teapot. O. Ottoson. 2,135,410; Nov. 1.
Telegraph printer. V. R. Kimball and R. F. Dirkes. 2,135,376; Nov. 1.
Telegraph printer. V. R. Kimball, R. F. Dirkes, and E. R. Wheeler. 2,135,375; Nov. 1.
Telegraph printer. J. W. Long and E. R. Wheeler. 2,134,722; Nov. 1.
Telegraph repeater. F. H. Hanley. 2,134,820; Nov. 1.
Telegraph transmitter. R. F. Dirkes and G. I. Roberts. 2,135,377; Nov. 1.
Television and the like systems. A. D. Blumlein. 2,134,851; Nov. 1.
Temperature control, Summer and winter. M. O. Snediker. 2,135,294; Nov. 1.
Termite control. E. L. Fellman. 2,135,391; Nov. 1.
Therapeutic organic compound, Manufacture of a. H. E. Brown. 2,134,031; Nov. 1.
Thinning and weeding machine. A. M. Fetters. 2,134,816; Nov. 1.
Thread-cutting tool, Automatic-releasing. A. F. Breitenstein. 2,135,067; Nov. 1.
Ticket registering and checking machine, Automatic. A. Bolognino and J. Jackerson. 2,134,681; Nov. 1.
Tile base, Producing a. F. W. Corkery. 2,135,429; Nov. 1.
Tile, Mastic. F. W. Corkery. 2,135,428; Nov. 1.
Tile-mounting structure. A. H. Stewart. 2,135,118; Nov. 1.
Tire pressure indicator, Selective dash. E. Greene. 2,135,303; Nov. 1.
Tobacco curing system. W. C. Rouse. 2,134,843; Nov. 1.
Tool: *See*—
Emergency tire tool. Track aligning tool.
Thread-cutting tool.
Tool. G. A. Wick. 2,135,065; Nov. 1.
Tool for applying seal caps. A. Mauser. 2,134,923; Nov. 1.
Toys and the like, Stitching together parts of. M. Levy. 2,135,289; Nov. 1.
Track aligning tool. S. Diniglia. 2,134,813; Nov. 1.
Tractor-trailer combination. W. H. Wilson. 2,135,205; Nov. 1.
Traffic control signal. A. P. B. Renshaw. 2,135,471; Nov. 1.
Traffic control system. A. P. B. Renshaw and T. P. Preist. 2,135,472; Nov. 1.
Traffic signal. F. H. Stotts. 2,135,416; Nov. 1.
Trailer. W. R. Billingsley. 2,135,097; Nov. 1.
Train control system, Automatic. W. T. Powell. 2,134,952; Nov. 1.
Transformer, Dual band antenna. J. V. Fill. 2,135,234; Nov. 1.
Transmission control for motor vehicles. P. F. Rossmann. 2,135,042; Nov. 1.
Transmission, Hydraulic. B. Burhop. 2,134,776; Nov. 1.
Transmission, Hydraulic. R. W. Dinzl. 2,134,707; Nov. 1.
Transmitter modulation. H. Pitsch. 2,135,198; Nov. 1.
Tray, Electric. E. O. Sessions. 2,134,805; Nov. 1.
Treadle switch. W. C. Putnam. 2,134,800; Nov. 1.
Tree Clamp or cup protector. C. A. Brinson. 2,135,422; Nov. 1.
Truck channel iron reach, Steel farm. D. W. Voorhees. 2,135,227; Nov. 1.
Tube: *See*—
Paste tube.
Tube noises, Reduction of. C. W. Hansell. 2,135,034; Nov. 1.
Tube terminal, Pneumatic. J. M. Scanlan. 2,135,355; Nov. 1.
Tubes, Method and apparatus for exhausting. W. W. Eitel. 2,134,710; Nov. 1.
Turntable for wheel aligners. J. W. Morse. 2,135,195; Nov. 1.
Typewriter punch combination. E. Roggenstein. 2,135,220; Nov. 1.
Typewriting machine. W. F. Helmond. 2,134,821–2; Nov. 1.
Typewriting machine. J. A. B. Smith. 2,134,845; Nov. 1.
Undergarment. J. F. Goodenow. 2,134,939; Nov. 1.
Ureides containing a quaternary carbon atom. F. C. Whitmore, A. H. Homeyer, and C. I. Noll. 2,135,064; Nov. 1.
Utensil, Cooking. G. Biandi. 2,134,997; Nov. 1.
Utensil, Cooking. L. G. Howlett. 2,134,759; Nov. 1.
Vacuum breaker. M. M. Borden. 2,135,383; Nov. 1.
Vacuum cleaner. J. F. R. Karlstrom. 2,134,036; Nov. 1.
Valve: *See*—
Dispensing valve.
Valve for power transmissions, Relief. E. L. Rose. 2,134,803; Nov. 1.
Valve gear for distribution valves of steam locomotives. R. W. Clifford. 2,135,032; Nov. 1.
Valve handle. H. E. Dick. 2,134,812; Nov. 1.
Valves, Attachment for flush-tank. E. S. David. 2,135,231; Nov. 1.
Vanadyl lactate and making it. H. J. Prebluda. 2,135,111; Nov. 1.
Vapor condenser. E. R. Brodton. 2,135,432; Nov. 1.
Vehicle: *See*—
Motor vehicle. Motor-drive vehicle.
Vehicle. W. F. Gerhardt and W. H. Horn. 2,135,073; Nov. 1.
Vehicle. J. L. Lorbeski. 2,135,347; Nov. 1.
Vehicle construction, Road. E. J. Dondlinger. 2,135,301; Nov. 1.
Vehicle control apparatus. F. G. and W. M. Folberth. 2,135,071; Nov. 1.
Vehicle wheel. E. O. Keator. 2,135,307; Nov. 1.
Ventilating attachment for radiators, Portable. C. M. Woolley. 2,135,461; Nov. 1.
Ventilating pipe. A. W. Brenninger. 2,134,698; Nov. 1.
Ventilation control means for motor vehicles. W. O. Normandin. 2,135,215; Nov. 1.
Ventilator, Draftless. H. F. Wagner. 2,135,369; Nov. 1.
Ventilator, Sound transmitting. J. M. Goldberg. 2,134,937; Nov. 1.
Vertical labyrinth bearing. K. A. Killam. 2,135,308; Nov. 1.
Vibrating screen. E. E. and I. F. Deister. 2,135,069; Nov. 1.
Vibrator and heater, Electric. P. A. Muckle. 2,135,312; Nov. 1.
Vinylidene chloride reaction product. G. H. Coleman, G. V. Moore, and G. B. Stratton. 2,135,122; Nov. 1.
Viscosity regulator. H. B. Clarke. 2,134,778; Nov. 1.
Wall construction. H. J. Schubert. 2,134,804; Nov. 1.
Walls, Forming concrete. W. A. Jennings. 2,135,079; Nov. 1.
Washing machine driving mechanism. J. Mikulasek. 2,134,980; Nov. 1.
Water heating device, Hot. A. B. Trencavel. 2,135,367; Nov. 1.
Water separator. E. K. Ralston. 2,134,840; Nov. 1.
Wave demodulating means. H. Chireix. 2,135,171; Nov. 1.
Well and bulb construction for thermosensitive devices, Combination. K. H. Hubbard and L. E. Smith. 2,135,078; Nov. 1.
Well pump. D. W. Hoferer. 2,135,076; Nov. 1.
Well surveying device. W. E. Winn. 2,134,808; Nov. 1.
Well tubing catcher. S. A. Gulberson III. 2,135,253; Nov. 1.
Wheel: *See*—
Vehicle wheel.
Wheel suspension, Front. C. S. Simmonds. 2,135,152; Nov. 1.
Wheels, Shaping the operative surfaces of grinding. A. Scrivener. 2,135,202; Nov. 1.
Window regulator mechanism. S. W. Nicholson. 2,135,196; Nov. 1.
Windshield cleaner. A. Rappl. 2,134,954; Nov. 1.
Wiper, Oil gauge rod. P. J. Shough. 2,134,806; Nov. 1.
Wire connecter. M. D. Bergan. 2,134,775; Nov. 1.
Wood, Cutting agatized petrified. J. R. Carpenter. 2,135,047; Nov. 1.
Wood impregnating apparatus. J. R. Coolidge. 2,135,463; Nov. 1.
Wood or like materials, Process of blanching. L. R. Van Allen. 2,134,898; Nov. 1.
Wood, Treatment of. E. R. Boller. 2,135,030; Nov. 1.
Woven wire fabric. R. J. Guba. 2,135,333; Nov. 1.
X-ray apparatus. G. R. Struck. 2,135,019; Nov. 1.
Yarns and products therefrom, Treating textile. A. E. Meyer. 2,135,088; Nov. 1.
Yarns, Soaking silk. P. Kaplan. 2,135,081; Nov. 1.
Zein composition, Water resistant. C. Veatch. 2,134,769; Nov. 1.

CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 1, 1938

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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	109: 2,135,475		225: 2,134,751		81: 2,134,694	104—	2: 2,135,087		2,135,147		372: 2,134,951
	121: 2,134,793		240: 2,134,798		124: 2,134,905		76: 2,135,230		66: 2,135,137	176—	3: 2,135,290
	172: 2,134,909	53—	1: 2,134,759		133: 2,135,189	105—	155: 2,134,755		107: 2,135,098		4: 2,135,288
	205: 2,135,454		3: 2,135,102		153: 2,135,254		164: 2,135,224		134: 2,135,373		51: 2,134,847
	2,135,460		2,135,410		160: 2,135,336		364: 2,135,405		192: 2,135,136		122: 2,135,284
	209: 2,134,950		6: 2,134,997	77—	28: 2,135,441	106—	7.5: Re.20,908		231: 2,135,146		124: 2,135,268
	212: 2,135,058		2,135,340		63: Re.20,906		31: 2,135,424		232: 2,135,155		2,135,283
	239: 2,135,160		2,135,341	78—	53: 2,135,040		2,135,426		233: 2,134,953	177—	7: 2,135,328
24—	73: 2,135,020		2,135,342		76: 2,135,107		38: 2,134,760		370: 2,134,842		311: 2,135,303
	81: 2,135,169	55—	34: 2,135,241	81—	15.8: 2,135,403	107—	20: 2,135,113		383: 2,134,744		314: 2,135,476
	84: 2,135,255		114: 2,134,942	83—	10: 2,134,876	108—	16: 2,134,790		384: 2,135,413		329: 2,135,416
	205: 2,134,892	56—	119: 2,134,807		2,134,885		32: 2,135,437	146—	1: 2,135,256		337: 2,135,471
	263: 2,135,070		336: 2,135,354		2,134,903	109—	1: 2,134,861		8: 2,135,393		2,135,472
25—	154: 2,135,079	60—	11: 2,135,305		2,135,324	110—	104: 2,134,887		12: 2,135,420		339: 2,134,902
	156: 2,134,752		22: 2,135,110		12: 2,134,897		2,135,249		88: 2,134,684		351: 2,135,106
28—	1: 2,135,350		46: 2,134,729		22: 2,135,174	113—	18: 2,134,923	148—	6: 2,134,830		353: 2,135,295
	3: 2,134,692		52: 2,134,707		93: 2,135,404		38: 2,134,933	150—	54: 2,134,761	178—	7.1: 2,134,757
	51: 2,135,154		54.5: 2,135,011	84—	189: 2,134,680	114—	84: 2,134,705	153—	10: 2,135,390		7.2: 2,134,851
	60: 2,135,081		54.6: 2,134,783		376: 2,134,854	115—	42: 2,135,162		32: 2,135,278		2,135,149
29—	148: 2,134,749		2,135,004		2,135,310	117—	2: 2,135,068		78: 2,134,773		28: 2,134,722
	2,135,417	61—	4: 2,135,337	85—	11: 2,134,765		41: 2,134,994	154—	1: 2,135,385		34: 2,134,708
	2,135,418		11: 2,135,103	87—	5: 2,135,066	120—	13: 2,134,863		46: 2,135,473		2,135,375

178— 35: 2,135,376
52: 2,135,398
53: 2,135,374
71: 2,134,820
79: 2,135,377
179—27.51: 2,135,015
81: 2,134,690
2,134,691
171: 2,135,034
2,135,038
2,135,199
180— 73: 2,135,314
75: 2,134,687
183— 34: 2,135,201
35: 2,135,036
44: 2,135,100
90: 2,134,978
184— 6: 2,135,477
7: 2,134,697
104: 2,134,778
187— 29: 2,135,153
2,135,204
188— 46: 2,134,789
56: 2,134,943
2,135,120
2,135,121
2,135,438
79.5: 2,134,791
112: 2,135,097
142: 2,134,931
152: 2,134,780
2,135,003
2,135,114
189— 34: 2,134,941
192— .01: 2,135,071
65: 2,135,384
105: Re.20,963
107: 2,135,126
195— 37: 2,135,462
196— 9: 2,134,926
2,135,014
2,135,108
2,135,109
10: 2,135,068
11: 2,134,836
13: 2,135,009
2,135,363
2,135,427
2,135,429
2,135,468
27: 2,134,824
62: 2,135,332
73: 2,134,882
87: 2,135,430
142: 2,135,423
197— 63: 2,135,177
81: 2,134,822
103: 2,134,845
138: 2,134,821
151: 2,135,156
198— 8: 2,135,141
16: 2,135,188
24: 2,134,955
131: 2,134,832
200— 50: 2,134,986
54: 2,135,131
60: 2,134,857
82: 2,135,265
86: 2,134,800
93: 2,134,945
113: 2,135,371
120: 2,135,166
127: 2,135,164
151: 2,134,717
161: 2,135,435
167: 2,134,695
2,134,696
201— 73: 2,134,870
202— 55: 2,135,356
204— 9: 2,135,368
206— 12: 2,135,238
41: 2,134,826
43: 2,135,279
44: 2,135,041
45: 2,134,964
46: 2,135,242
59: 2,134,918
79: 2,134,846
2,135,134
207— 10: 2,135,193
2,135,194
209— 95: 2,135,099
2,135,343
166: 2,134,706
257: 2,134,792
382: 2,135,069
210— 54: 2,134,840
55: 2,135,442
171: 2,134,967
199: 2,134,703
212— 69: 2,134,866
214— 16: 2,134,948
86: 2,135,244
134: 2,134,992
145: 2,134,991
149: 2,135,440
215— 1: 2,135,239
31: 2,135,330
38: 2,135,386
70: 2,134,908
78: 2,135,180
217— 32: 2,134,763
219— 8: 2,135,129
20: 2,134,805
219— 32: 2,135,270
41: 2,135,313
43: 2,135,318
44: 2,134,682
220— 25: 2,134,985
55: 2,134,828
56: 2,135,225
97: 2,134,875
2,135,401
221— 23: 2,135,378
47.3: 2,134,735
60: 2,134,893
2,134,910
2,135,178
2,135,237
68: 2,134,865
84: 2,134,709
95: 2,134,772
112: 2,134,725
114: 2,135,168
223— 91: 2,134,740
2,135,276
98: 2,135,277
224— 39: 2,135,217
225— 44: 2,134,852
226— 82: 2,135,059
84: 2,135,212
125: 2,134,907
229— 5.7: 2,134,964
6: 2,135,140
7: 2,134,927
28: 2,134,908
29: 2,134,860
37: 2,134,971
52: 2,135,021
90: 2,135,236
230— 4: 2,135,248
29: 2,135,247
31: 2,134,693
2,134,834
2,134,835
92: 2,135,148
127: 2,135,053
139: 2,134,936
183: 2,134,958
192: 2,134,782
232— 42: 2,135,392
234— 1.5: 2,135,028
75: 2,134,873
235— 27: 2,134,683
45: 2,134,681
236— 1: 2,135,294
18: 2,135,216
44: 2,135,101
45: 2,135,130
91: 2,134,940
238— 349: 2,134,750
240— 4: 2,135,311
10.68: 2,134,856
61.12: 2,135,293
103: 2,134,788
242— 55: 2,135,026
243— 12: 2,135,355
244— 37: 2,135,096
42: Re.20,901
50: 2,135,073
63: 2,135,083
123: 2,135,464
134: 2,135,119
245— 6: 2,135,333
246— 41: 2,134,962
2,134,982
63: 2,134,952
219: 2,134,944
247— 5: 2,134,946
248— 8: 2,135,394
22: 2,134,819
102: 2,134,746
152: 2,135,093
262: 2,135,159
286: 2,135,145
361: 2,134,823
250— 2: 2,134,716
6: 2,134,850
8: 2,135,171
14: 2,135,144
17: 2,135,198
20: 2,134,747
2,134,801
2,134,913
2,135,037
2,135,051
2,135,236
27.5: 2,134,710
2,134,896
2,135,006
40: 2,134,794
66: 2,135,019
175: 2,134,718
2,135,039
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108: 2,135,080
131: 2,135,065
255— 71: 2,135,024
72: 2,134,886
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257— 3: 2,135,285
2,135,300
7: 2,134,724
137: 2,135,089
202: 2,134,881
243: 2,135,235
245: 2,135,432
262: 2,135,367
258— 8: 2,135,272
259— 175: 2,135,436
2,135,439
260— 22: 2,134,741
23: 2,135,428
80: 2,135,122
83: 2,135,443
91: 2,135,264
105: 2,134,911
2,134,912
112: 2,134,764
156: 2,135,293
198: 2,135,469
205: 2,135,008
211: 2,134,825
231: 2,134,895
2,135,128
307: 2,135,258
355: 2,135,259
371: 2,135,346
396: 2,135,366
429: 2,135,111
460: 2,135,358
496: 2,135,447
2,135,449
2,135,450
499: 2,135,458
512: 2,134,711
2,134,712
515: 2,135,062
532: 2,135,448
2,135,451
2,135,452
2,135,453
533: 2,135,459
540: 2,135,456
2,135,457
553: 2,135,064
612: 2,135,123
635: 2,135,063
2,135,271
638: 2,135,444
641: 2,135,455
645: 2,135,012
671: 2,135,044
683: 2,135,117
261— 18: 2,135,431
41: 2,134,877
77: 2,135,043
263— 6: 2,135,175
20: 2,134,804
264— 3: 2,134,758
267— 10: 2,135,281
79: 2,134,720
70: 2,135,112
268— 126: 2,135,190
271— 2.1: 2,135,364
271— 2.3: 2,134,998
50: 2,135,206
51: 2,135,090
272— 32: 2,135,082
80: 2,135,018
273— 45: 2,135,421
62: 2,135,210
74: 2,135,226
86: 2,135,176
138: 2,135,292
145: 2,135,182
274— 9: 2,135,035
275— 2: 2,135,077
277— 10: 2,135,298
62: 2,134,966
280— 30: 2,134,904
33.1: 2,135,205
33.2: 2,135,301
80: 2,135,291
95: 2,134,721
96.2: 2,135,152
142: 2,135,227
152.1: 2,135,218
2,135,257
281— 44: 2,135,470
282— 29: 2,135,345
283— 56: 2,135,331
284— 19: 2,135,221
2,135,222
285— 25: 2,135,252
91: 2,134,858
96: 2,135,223
182: 2,134,719
286— 10: 2,135,304
27: 2,135,251
287— 53: 2,134,874
288— 1: 2,134,868
291— 46: Re.20,905
292— 206: 2,135,105
267: 2,135,010
294— 7: 2,134,807
19: 2,135,232
295— 8.5: 2,135,307
296— 44: 2,135,215
44.5: Re.20,904
107: 2,134,784
110: 2,134,855
297— 3: 2,135,078
299— 18: 2,135,138
88: 2,134,899
303— 26: 2,135,007
304— 11: 2,134,975
306— 1.3: 2,135,273
308— 36.4: 2,135,308
88: 2,134,872
309— 42: 2,135,415
312— 24: 2,134,915

U. S. GOVERNMENT PRINTING OFFICE: 1938

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LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Aidway Products Co., Wilson, N. C. Preparation for coughs, etc. Serial No. 409,667; Nov. 8. Class 6.

Alpha Mills, Inc., Pottsville, Pa. Panties, vests, bloomers, etc. Serial No. 408,984; Nov. 8. Class 39.

Alps Sportswear Mfg. Co., Inc., doing business as Tri Qua Sportswear Company, Boston, Mass. Sweaters, bathing suits, shirts, etc. Serial No. 409,722; Nov. 8. Class 39.

Anchor Liquor Company, Albuquerque, N. Mex. Alcoholic cordials and liqueurs, rock and rye, etc. Serial No. 400,184; Nov. 8. Class 49.

Anchor Webbing Company, Pawtucket, R. I. Tapes, webbings, and braids. Serial No. 380,377; Nov. 8. Class 40.

Arau, Anthony, Worcester, Mass. Compound for arthritis, neuritis, etc. Serial No. 404,106; Nov. 8. Class 6.

Arrowhead Beverage Co. (See Kurlander, Saul.)

Atlas Publishing Company, Inc., New York, N. Y. Periodical publication. Serial No. 410,386; Nov. 8. Class 38.

Beck, Max, doing business as Metal Wonder Co., New York, N. Y. Preparation for cleaning and polishing brass, copper, etc. Serial No. 409,988; Nov. 8. Class 4.

Bedford Distilling Company, The, Bedford, Ohio. Straight bourbon whiskey. Serial No. 410,425; Nov. 8. Class 49.

Beich, Paul F., Company, Bloomington and Chicago, Ill. Candy. Serial No. 410,718; Nov. 8. Class 46.

Bemax Laboratories, Inc., New York, N. Y. Medicinal preparation. Serial No. 410,577; Nov. 8. Class 6.

Bennett, B., Company, Inc., New Orleans, La. Pants, shirts, knickers, etc. Serial No. 407,298; Nov. 8. Class 39.

Berry, W. N., Newberry, Fla. Preparation used as a screw worm killer and fly repellent. Serial No. 409,834; Nov. 8. Class 6.

Bittson, A. John, New York, N. Y. Toy guns. Serial No. 408,986; Nov. 8. Class 22.

Blanke-Baer Extract & Preserving Co., St. Louis, Mo. Mayonnaise, peanut butter, olives, etc. Serial No. 410,130; Nov. 8. Class 46.

Borden, Max, doing business as Jaymar Specialty Company, Brooklyn, N. Y. Pop gun and target game. Serial No. 404,397; Nov. 8. Class 22.

Brickner & Bernfeld, Inc., New York, N. Y. Fur skins. Serial No. 408,261–3; Nov. 8. Class 1.

Brody, Ira, New York, N. Y. Football game result predicting device. Serial No. 410,019; Nov. 8. Class 38.

Brown Clothing Company, Minneapolis, Minn. Shoes. Serial No. 409,862; Nov. 8; Class 39.

Burmel Handkerchief Corporation, New York, N. Y. Handkerchiefs. Serial Nos. 410,169–70; Nov. 8. Class 39.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Insecticides and germicides. Serial No. 408,561; Nov. 8. Class 6.

Calorider Corporation, Old Greenwich, Conn. Dehumidifiers. Serial No. 410,860; Nov. 8. Class 34.

Candy Crafters, Inc., Lansdowne, Pa. Candy novelties. Serial No. 408,690; Nov. 8. Class 46.

Cardinal Laboratories, Inc., Chicago, Ill. Rug and carpet cleaner, spot remover, hat cleaner, etc. Serial No. 407,360; Nov. 8. Class 4.

Carver, Horace N. (See Rich Signs Corporation, assignor.)

Celanese Corporation of America, New York, N. Y. Piece goods of cellulose derivatives. Serial Nos. 410,770–73; Nov. 8. Class 42.

Columbia Tool Steel Company, Chicago Heights, Ill. Tool steel. Serial No. 410,720; Nov. 8. Class 14.

Comet Model Airplane & Supply Company, Incorporated, Chicago, Ill. Construction kits containing materials and plans for model airplanes, gliders, and boats. Serial No. 410,988; Nov. 8. Class 22.

Company of Master Craftsmen, Inc., Flushing, N. Y. Beds, bureaus, chests, etc. Serial No. 408,340; Nov. 8. Class 32.

Consolidated Produce Co., Ltd., Los Angeles, Calif. Fresh vegetables and grapes. Serial No. 410,775; Nov. 8. Class 46.

Con-Nol Co., Durham, Conn. Preparation for restoring hair. Serial No. 410,451; Nov. 8. Class 6.

Co-Operative Cravat Corporation, New York, N. Y. Neckties, four-in-hand ties, and bow ties. Serial No. 406,443; Nov. 8. Class 39.

Corduroy Rubber Company, Grand Rapids, Mich. Rubber tires. Serial No. 411,214; Nov. 8. Class 35.

Cosmetic Enterprises. (See Hirsch, Alcan.)

Daily Mirror, Inc., New York, N. Y. Newspaper section. Serial Nos. 409,866–9; Nov. 8. Class 38.

Daily Mirror, Inc., New York, N. Y. Newspaper section. Serial No. 409,864; Nov. 8. Class 38.

Dental Research Company. (See Page, Melvin E.)

Deco-Board Corporation, The, Parkersburg, W. Va. Corrugated wall board. Serial No. 410,172; Nov. 8. Class 12.

De Land, C. M., New York, N. Y. Woolen piece goods. Serial No. 397,072; Nov. 8. Class 42.

Dermetics, Inc., Seattle, Wash. Toilet preparations. Serial No. 404,035; Nov. 8. Class 6.

Dermetics, Inc., Seattle, Wash. Toilet preparations. Serial No. 397,187; Nov. 8. Class 6.

Detective Stories Publishing Co., Chicago, Ill. Magazines. Serial No. 398,528; Nov. 8. Class 38.

Dictograph Products Company, Inc., New York, N. Y. Interior telephone systems. Serial No. 403,118; Nov. 8. Class 21.

Douglas, W. L., Shoe Co., Brockton, Mass. Boots, shoes, and slippers. Serial No. 410,254; Nov. 8. Class 39.

Dryden, James, Poultry Breeding Farm, Ltd., Modesto, Calif. Fertilizers, mulch and top dressing for lawns and gardens. Serial No. 410,457; Nov. 8. Class 10.

Duchess Company, unincorporated. (See Lichti, Frederic G.)

Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Photographic cameras. Serial No. 410,326; Nov. 8. Class 26.

Eaton & Deller Lines Limited, London, England. Fishing line. Serial No. 411,158; Nov. 8. Class 22.

Electro Products Company. (See Stewart, Patterson O.)

Ellison, John B., & Sons, Inc., Philadelphia, Pa. Woolen piece goods. Serial No. 410,833; Nov. 8. Class 42.

Enterprise Manufacturing Company, The, Akron, Ohio. Floats for fishing tackle. Serial No. 398,720; Nov. 8. Class 22.

Erstein, Bernard L., Grand Rapids, Mich. Upholstered chairs, davenports, ottomans, etc. Serial No. 410,690; Nov. 8. Class 32.

Esmond Mills, The, New York, N. Y. Woven textile blankets. Serial No. 399,753; Nov. 8. Class 42.

Exhibit Supply Company, The, Chicago, Ill. Automatic cigarette vending machines. Serial No. 410,391; Nov. 8. Class 23.

Fairfield Distillery, Incorporated, Bardstown, Ky. Whiskey. Serial No. 410,073; Nov. 8. Class 49.

Famous-Barr Co. (See May Dept. Stores Company, The.)

Fawcett Publications, Inc., Greenwich, Conn. Cartoon. Serial No. 391,524; Nov. 8. Class 38.

Fay-Miss Brassiere Co., Inc., New York, N. Y. Brassières, bandeaus, corsets, etc. Serial No. 410,219; Nov. 8. Class 39.

Finch, Joseph S., and Company, New York, N. Y., and Schenley, Pa. Rum, whiskey, gin, etc. Serial Nos. 410,726–9; Nov. 8. Class 49.

Finch, Jos. S., & Co., Inc., New York, N. Y., and Schenley, Pa. Whiskey, gin, rum, etc. Serial Nos. 410,781–4; Nov. 8. Class 49.

Finch, Joseph S., and Company, New York, N. Y., Schenley, Pa., and Lawrenceburg, Ind. Gin, whiskey, rum, etc. Serial No. 410,902; Nov. 8. Class 49.

Frank, William, Company, Chicago, Ill. Musical instruments. Serial No. 406,710; Nov. 8. Class 36.

Freeman Shoe Corporation, Beloit, Wis. Boots and shoes. Serial No. 394,031; Nov. 8. Class 39.

Gellman Manufacturing Company, Rock Island, Ill. Combined therapeutic table and cabinet. Serial No. 410,990; Nov. 8. Class 44.

Gemal Handkerchief Co., New York, N. Y. Handkerchiefs. Serial No. 409,733; Nov. 8. Class 39.

Gerard Brothers Limited, Nottingham, England. Toilet preparations. Serial No. 401,738; Nov. 8. Class 6.

Gibson, Archie B., doing business as Gibson Electric Company, Pittsburgh, Pa. Electrical contacts. Serial No. 410,027; Nov. 8. Class 21.

Gillette Safety Razor Company, Boston, Mass. Safety razors and safety razor blades. Serial No. 410,430; Nov. 8. Class 23.

Gimpel Frères & Cie, Sainte-Marie aux Mines, France. Fabrics. Serial No. 407,981; Nov. 8. Class 42.

Glassite Company, The. (See Thomsen, Grover C.)

Globe Soap Company, The. (See Procter & Gamble Company, The.)

Gottesman and Company, Incorporated, New York, N. Y. Wood pulp. Serial No. 410,836; Nov. 8. Class 1.

Grant W. T., Company, New York, N. Y. Men's and boys' hose. Serial No. 410,222; Nov. 8. Class 39.

Griffin Canning Co., Howey-in-the-Hills, Fla. Canned citrus fruit juices. Serial No. 409,647; Nov. 8. Class 46.

Grimaldi, Vincent, doing business as L-T-Feet Co., Utica, N. Y. Medicinal preparation. Serial No. 409,687; Nov. 8. Class 6.

Grist, George W., Chicago, Ill. Device for obtaining objective evidence from a moving vehicle. Serial No. 408,539; Nov. 8. Class 26.

Hawkeye Pearl Button Company, Muscatine, Iowa. Buttons. Serial No. 410,294; Nov. 8. Class 40.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Hirsch, Alcan, doing business as Cosmetic Enterprises, New Rochelle, N. Y. Hair dressing. Serial No. 410,587; Nov. 8. Class 6.

Hoffman-La Roche, Inc., Nutley, N. J. Medicinal preparation. Serial No. 409,735; Nov. 8. Class 6.

Industrial and Surgical Corporation, Miami, Fla. Surgical masks. Serial No. 410,035; Nov. 8. Class 44.

International Shoe Co., St. Louis, Mo. Boots and shoes. Serial No. 410,258; Nov. 8. Class 39.

Jaymar Specialty Company. (See Borden, Max.)

Jergens, Andrew, Company, The, Cincinnati, Ohio. Blend of vitamins A and D. Serial No. 409,968; Nov. 8. Class 6.

Johnson, Stephens and Shinkle Shoe Company, St. Louis, Mo. Shoes. Serial No. 409,129; Nov. 8. Class 39.

Keller, William, doing business as Purity Food Products Co., San Francisco, Calif. Oyster cocktail, crab cocktail, shrimp cocktail, etc. Serial No. 393,601; Nov. 8. Class 46.

Kurlander, Saul, doing business as Arrowhead Beverage Co., Los Angeles, Calif. Beverages and concentrates for preparing the same. Serial No. 403,007; Nov. 8. Class 45.

L-T-Feet Co. (See Grimaldi, Vincent.)

Leeds, Herbert R., & Co., Inc., New York, N. Y. Woolen, linen, etc. piece goods. Serial No. 410,741; Nov. 8. Class 42.

Leighton Hat Co. Inc., New York, N. Y. Ladies' hats. Serial No. 406,138; Nov. 8. Class 39.

Lichti, Frederic G., doing business as Duchess Company, unincorporated, Pittsburgh, Pa. Shampoo and hair treating solutions and oils. Serial No. 405,167; Nov. 8. Class 6.

Los Angeles Brewing Co., Los Angeles and San Bernardino, Calif. Beverage, and syrups and extracts for preparing the same. Serial No. 409,815; Nov. 8. Class 45.

Los Angeles Brewing Co., also doing business as Maison Chantelle, Los Angeles, Calif. Egg base batter for preparing drinks such as "Tom & Jerry". Serial No. 401,827; Nov. 8. Class 46.

Lustgarten, William, New York, N. Y. Coated cotton, silk, and rayon fabrics. Serial No. 409,045; Nov. 8. Class 50.

Maison Chantelle. (See Los Angeles Brewing Co.)

Manhattan Shirt Company, The, New York, N. Y. Shirts, pajamas, and underwear. Serial No. 406,458; Nov. 8. Class 39.

Maple Flooring Manufacturers Association, Chicago, Ill. Lumber. Serial No. 410,401; Nov. 8. Class 12.

Marks, I., & Co., Inc., New York, N. Y. Ladies' coats and suits. Serial No. 410,040; Nov. 8. Class 39.

Martin Dyeing & Finishing Co., Bridgeton, N. J. Water repellent and mildew resistant canvas duck. Serial No. 410,699; Nov. 8. Class 42.

May Dept. Stores Company, The, New York, N. Y., Akron and Cleveland, Ohio, Baltimore, Md., St. Louis, Mo., Denver, Colo., and Los Angeles, Calif., doing business as the Famous-Barr Co., St. Louis, Mo. Suits, overcoats, and topcoats. Serial No. 409,889; Nov. 8. Class 39.

McKesson & Robbins, Incorporated, Bridgeport and Fairfield, Conn. Medicinal preparations. Serial No. 410,041; Nov. 8. Class 6.

Meier & Frank Company, Inc., Portland, Oreg. Hand knitting yarn. Serial No. 409,534; Nov. 8. Class 43.

Metal Wonder Co. (See Beck, Max.)

National Carbon Company, Inc., New York, N. Y. Arc lamps and carbons for arc lamps. Serial No. 410,419; Nov. 8. Class 21.

National Carbon Company, Inc., New York, N. Y. Arc lamps and carbons therefor. Serial No. 410,421; Nov. 8. Class 21.

National Carbon Company, Inc., New York, N. Y. Arc lamps and carbons. Serial Nos. 410,976–7; Nov. 8. Class 44.

National Silk Hosiery Mills, Inc., Indianapolis, Ind. Hosiery. Serial No. 410,333; Nov. 8. Class 39.

Nestlé's Milk Products, Inc., New York, N. Y. Powdered coffee blended with carbo-hydrates. Serial No. 407,913; Nov. 8. Class 46.

North American Refractories Company, Cleveland, Ohio. Refractories. Serial No. 409,280; Nov. 8. Class 12.

Nukem Products Corporation, Buffalo, N. Y. Acid-proof cement. Serial No. 410,370; Nov. 8. Class 12.

Nu-Pro Manufacturing Co., St. Louis, Mo. Liquid cleaner for fabrics. Serial No. 410,701; Nov. 8. Class 4.

Oca Medicine Company, Inc., The, New York, N. Y. Preparations for headaches, coughs, colds, etc. Serial No. 411,133; Nov. 8. Class 6.

Oil Well Supply Company, Dallas, Tex. Piston rods. Serial No. 409,169; Nov. 8. Class 23.

Osbon and Osbon Chemical Company, Laurel, Md. Cough mixture. Serial No. 410,569; Nov. 8. Class 6.

Ostbye & Anderson, Minneapolis, Minn. Wrist watches and pocket watches and parts thereof. Serial No. 405,967; Nov. 8. Class 27.

Page, Melvin E., doing business as Dental Research Company, Muskegon, Mich. Dehydrated sea kelp. Serial No. 408,286; Nov. 8. Class 6.

Palmer Farms Growers Cooperative Association, Sarasota, Fla. Fresh celery. Serial No. 406,821; Nov. 8. Class 46.

Peabody, William H., Detroit, Mich. Ointment for piles. Serial No. 409,741; Nov. 8. Class 6.

Perlman Bros., Inc., New York, N. Y. Caps and hats. Serial No. 409,414; Nov. 8. Class 39.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Dungarees, overalls, coats, etc. Serial No. 410,482; Nov. 8. Class 39.

Procter & Gamble Company, The, doing business as The Globe Soap Company, Cincinnati, Ohio. Soap flakes. Serial No. 410,572; Nov. 8. Class 4.

Procter & Gamble Company, The, doing business as The Globe Soap Company, Cincinnati, Ohio. Granulated soap. Serial No. 410,573; Nov. 8. Class 4.

Purity Food Products Co. (See Keller, William.)

Pynosol Laboratories, Inc., Chicago, Ill. Cleaning and polishing preparation for all metals. Serial No. 409,330; Nov. 8. Class 4.

Revlon Nail Enamel Corporation, The, New York, N. Y. Enamel for finger nails. Serial No. 409,821; Nov. 8. Class 6.

Rice-Stix Dry Goods Company, St. Louis, Mo. Gloves. Serial No. 409,141; Nov. 8. Class 39.

Rich Signs Corporation, assignor to H. N. Carver, Wichita, Kans. Portable reflecting road safety signals. Serial No. 404,327; Nov. 8. Class 34.

Richards, Olive, doing business as Tiptex Co., Beverly Hills, Calif. Solution for split finger nails. Serial No. 404,101; Nov. 8. Class 6.

Roche-Organon, Inc., Nutley, N. J. Medicinal preparation. Serial No. 410,485; Nov. 8. Class 6.

Rosenblum, Nathan, & Co., Sharon, Pa. Matches. Serial No. 411,103; Nov. 8. Class 9.

Russo, A., & Co., Chicago, Ill. Alimentary pastes. Serial No. 410,750; Nov. 8. Class 46.

Sam's Cut Rate, Incorporated, Detroit, Mich. Full-fashioned hosiery. Serial No. 409,009; Nov. 8. Class 39.

Savolite, Inc., New York, N. Y. Preparation for treating and beautifying the hair. Serial No. 410,970; Nov. 8. Class 6.

Schmidt, William, Fairfield, Conn. Gaming and contest devices. Serial No. 411,069; Nov. 8. Class 22.

Schuckl & Co., Inc., San Francisco, Calif. Canned fruits. Serial Nos. 410,309–10; Nov. 8. Class 46.

Schwab, A. G., & Sons, Inc., Cincinnati, Ohio. Diamond rings, jewelry, and diamonds. Serial No. 409,368; Nov. 8. Class 28.

Scientific Tablet Company, Belleville, Ill. Compressed salt tablets. Serial No. 406,779; Nov. 8. Class 46.

Scotten Dillon Company, Detroit, Mich. Cigarettes. Serial No. 410,612; Nov. 8. Class 17.

Sears, Roebuck and Co., Chicago, Ill. Rope. Serial No. 396,059; Nov. 8. Class 7.

Sears, Roebuck and Co., Chicago, Ill. Motor oil. Serial No. 410,148; Nov. 8. Class 15.

Seaver-Brinkman, Inc., Cleveland, Ohio. Coupons and certificates. Serial Nos. 410,411–12; Nov. 8. Class 38.

Seed Trade Reporting Bureau, The, Chicago, Ill. Publication. Serial No. 410,413; Nov. 8. Class 38.

Shawnee Pottery Company, Zanesville, Ohio. Pottery table, kitchen and household hollow ware. Serial No. 400,210; Nov. 8. Class 30.

Sherer-Gillett Company, Marshall, Mich. Refrigerated display cases and produce cases, etc. Serial No. 410,488; Nov. 8. Class 31.

Silver, Max, & Son, Philadelphia, Pa. Cotton house dresses. Serial No. 408,227; Nov. 8. Class 39.

Singletary, William G., Dallas, Tex. Beverage, and syrups and extracts for making the same. Serial No. 408,037; Nov. 8. Class 45.

Smales, George, Jr., Martins Ferry, Ohio. Medicinal ointment. Serial No. 407,769; Nov. 8. Class 6.

Société des Parfums Schiaparelli (Société Anonyme), Paris, France. Perfumes, toilet waters, rouge, etc. Serial No. 411,107; Nov. 8. Class 6.

Spear & Susskind, Providence, R. I. Astringents, astringent cerates, bleach and beauty creams, etc. Serial No. 407,695; Nov. 8. Class 6.

Spencer, J. W., doing business as Woodburn Spencer & Co., New Orleans, La. Floor wax. Serial No. 407,474; Nov. 8. Class 16.

Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Internal combustion engines and cylinder liners, pistons, etc. Serial No. 408,585; Nov. 8. Class 23.

Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Asphalt, asphaltic compounds, and asphaltic pipe coatings. Serial No. 405,421; Nov. 8. Class 12.

Standard Stations, Inc., Wilmington, Del., and San Francisco, Calif. Publication. Serial Nos. 406,071–2; Nov. 8. Class 38.

Stein, Joseph, Coats, Inc., New York, N. Y. Ladies' and misses' coats and suits. Serial No. 409,444; Nov. 8. Class 39.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Stewart, Patterson O., doing business as Electro Products Company, New York, N. Y. Vacuum gauges for automobiles and automotive testing equipment. Serial No. 410,442; Nov. 8. Class 26.

Studio Publications, Inc., The, New York, N. Y. Publication. Serial No. 410,150; Nov. 8. Class 38.

Superior Sheet Steel Company, The, Canton, Ohio. Galvanized sheets. Serial Nos. 406,785–6; Nov. 8. Class 14.

Synchro-Lock, Inc., Boston, Mass. Apparatus including a meter, a switch, and necessary wiring for use in effecting the synchronization of a plurality of internal combustion engines. Serial No. 407,772; Nov. 8. Class 26.

Thomas Bros. Candy Co., Memphis, Tenn. Candy bars. Serial No. 410,098; Nov. 8. Class 46.

Thomsen, Grover C., doing business as The Glassite Company, Waco, Tex. Beverages, and syrups for use in the preparation thereof. Serial No. 409,714; Nov. 8. Class 45.

Tiptex Co. (See Richards, Olive.)

Trabert & Hoeffer Inc., New York, N. Y. Rubies and precious stones. Serial No. 409,716; Nov. 8. Class 28.

Traversa, Maria, Vandergrift, Pa. Tomato meat sauce. Serial No. 409,370; Nov. 8. Class 46.

Tri-Lutz Chemical Co. (See Trimble & Lutz Supply Co.)

Trimble & Lutz Supply Co., doing business as Tri-Lutz Chemical Co., Wheeling, W. Va. Bath salts, shampoo, disinfectants, and insecticides. Serial No. 410,415; Nov. 8. Class 6.

Tri Qua Sportswear Company. (See Alps Sportswear Mfg. Co., Inc.)

Triumph Engineering Company Limited, Coventry, England. Motor cycles and sidecars therefor, and structural parts thereof. Serial No. 404,873; Nov. 8. Class 19.

Truly-J Products Co., New York, N. Y. Hair oil. Serial No. 409,717; Nov. 8. Class 6.

U-Wan-A Wash Frocks, Inc., New York, N. Y. Beach dresses, beach robes, sport dresses, etc. Serial No. 410,276; Nov. 8. Class 39.

United Distillers (of America), Ltd., Baltimore, Md. Gin, rum, whiskey, etc. Serial No. 410,205; Nov. 8. Class 49.

United Distillers (of America), Ltd., Baltimore, Md. Gin, rum, whiskey, etc. Serial No. 410,207; Nov. 8. Class 49.

United Distillers (of America), Ltd., Baltimore, Md. Gin, rum, whiskey, etc. Serial No. 410,210; Nov. 8. Class 49.

United States Gypsum Company, Chicago, Ill. Mineral and glass wool for the low temperature insulation of buildings. Serial No. 392,174; Nov. 8. Class 12.

Valenju, Incorporated, Chicago, Ill. Fruit juices, and a dry cocoa mix. Serial No. 407,398; Nov. 8. Class 46.

Valenju, Incorporated, Chicago, Ill. Fruit juices, and a dry cocoa mix. Serial No. 407,400; Nov. 8. Class 46.

Vanity Fair Silk Mills, Reading, Pa. Underwear and lingerie. Serial No. 409,632; Nov. 8. Class 39.

Wamsutta Mills, New Bedford, Mass. Shirts, shorts, slacks, etc. Serial No. 410,380; Nov. 8. Class 39.

Weinberg, Albert B., New York, N. Y. Dresses. Serial No. 410,852; Nov. 8. Class 39.

Wennels, George, Grantwood, N. J. Board game. Serial No. 406,315; Nov. 8. Class 22.

West Coast Manchester Mills, Inc., Los Angeles, Calif. Piece goods of cotton, silk, etc. Serial No. 410,158; Nov. 8. Class 42.

Wetzel, Bertha, New York, N. Y. Cream or liquid applied as a cosmetic. Serial No. 387,719; Nov. 8. Class 6.

White, Alexander H., Inc., New York, N. Y. Skirts, suits, dresses, etc. Serial No. 410,281; Nov. 8. Class 39.

White Fox Co., The, New York, N. Y. Polishes. Serial No. 405,146; Nov. 8. Class 4.

Windham County Co-Operative Milk Producers, Inc., Brattleboro, Vt. Maple syrup, maple sugar, and maple cream. Serial No. 400,074; Nov. 8. Class 46.

Wolverine Knitting Mills, Bay City, Mich. Underwear, sport shirts, nightgowns, etc. Serial No. 391,843; Nov. 8. Class 39.

Woodburn Spencer & Co. (See Spencer, J. W.)

Yankee Metal Products Corp., Norwalk, Conn. Vehicle electric directional signals. Serial No. 408,139; Nov. 8. Class 21.

Yankee Metal Products Corp., Norwalk, Conn. Vehicle electric directional signals, vehicle electric lamps and lights, etc. Serial No. 409,337; Nov. 8. Class 21.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbeville Packing Company. (See Kimbrough, William C.)

Air Reduction Sales Company, New York, N. Y. Welding flux. 362,036; Nov. 8. Serial No. 407,841; published Aug. 16, 1938. Class 6.

American Ru-Mari Company, Los Angeles, Calif. Aqueous alkaline preparation. 361,924; Nov. 8. Serial No. 381,706; published Oct. 20, 1936. Class 6.

American Safety Razor Corporation, Brooklyn, N. Y. Hair removing devices. 361,937; Nov. 8; Serial No. 398,144; published Aug. 30, 1938. Class 23.

Amfre Drug Co. Incorporated, New York, N. Y. Preparation for antacid, adsorbent, antiseptic, etc. 362,058; Nov. 8; Serial No. 408,336; published Aug. 23, 1938. Class 6.

Anderson, Arthur O., Cedar Rapids, Iowa. Astringents, after shaving creams and lotions, etc. 362,007; Nov. 8; Serial No. 406,627; published Aug. 16, 1938. Class 6.

Arden, Elizabeth, Inc., New York, N. Y. Lipstick, face powder, perfume. 361,998; Nov. 8; Serial No. 406,084; published Aug. 23, 1938. Class 6.

Armstrong Packing Company, assignor to Armstrong Packing Company, Dallas, Tex. Lard substitute. 123,966; renewed Dec. 31, 1938.

Atlas Canning Company, Inc., New York and Glendale, N. Y. Canned food for dogs, cats, etc. 361,991; Nov. 8; Serial No. 405,053; published Aug. 30, 1938. Class 46.

Austin, Nichols & Co., Inc., Brooklyn, N. Y. Sherry, claret, Burgundy, etc. 361,969; Nov. 8; Serial No. 403,712; published Aug. 30, 1938. Class 47.

Averst, McKenna & Harrison (United States) Limited, Rouses Point, N. Y. Follicle-stimulating hormone preparation. 361,986; Nov. 8; Serial No. 404,883; published Aug. 9, 1938. Class 6.

Bell Company, Inc., The, doing business as Flare Laboratories, Chicago, Ill. Liquid radiator cement, radiator rust preventative, radiator cleaner, etc. 362,048; Nov. 8; Serial No. 408,085; published Aug. 23. Class 6.

Ben-Burk, Inc., Boston, Mass. Whiskey 361,958; Nov. 8; Serial No. 401,806; published Feb. 15, 1938. Class 49.

Berdan Company, The, as assignee of Berdan & Co., Toledo, Ohio, assignor, by mesne assignments, to Lee & Cady, Detroit, Mich. Canned goods. 123,319; renewed Oct. 29, 1938.

Bernstein, Nathan, doing business as Castill Chemical Company, Baltimore, Md. Pharmaceutical preparation. 362,002; Nov. 8; Serial No. 406,208; published Aug. 23,1938. Class 6.

Big Boy Bottling Company. (See Schiruska, Joseph A.)

Birch, Herbert M., Washington, D. C. Women's trousers, slacks, and pajamas. 362,080; Nov. 8. Class 39.

Bocan Drug Co. (See Bockmann, Frederick A.)

Borgen, C., Packing Co., Aktieselskap, The, Stavanger, Norway. Canned fish. 361,925; Nov. 8; Serial No. 384,734; published June 8. 1937. Class 46.

Brewer-Titchener Corporation, The, Cortland, N. Y. Tables. 361,959; Nov. 8; Serial No. 401,847; published Aug. 9, 1938. Class 32.

Brillon Hair Remedies Company, The. (See Schultz, Julius I.)

Brockmann, Frederick A., doing business as Bocan Drug Co., Utica, N. Y. Tablets for relief of pain. 361,999; Nov. 8; Serial No. 406,088; published Aug. 23, 1938. Class 6.

Brown, John, Ossining, N. Y. Turkeys, ready to serve. 361,970; Nov. 8; Serial No. 403,751; published Aug. 30, 1938. Class 46.

Brownlee, H. R., assignor to The Ortholine Laboratories Incorporated, Cleveland, Ohio. Ointment, surgical dressing, and inhalant. 361,942; Nov. 8; Serial No. 398,746; published Feb. 1, 1938. Class 6.

Brunswig Drug Co., Los Angeles, Calif. Men's toiletries. 362,062; Nov. 8; Serial No. 408,450; published Aug. 23, 1038. Class 6.

Brunswig Drug Co., Los Angeles, Calif. Cosmetics. 362,063; Nov. 8; Serial No. 408,452; published Aug. 23, 1938. Class 6.

Burnstein, Louis, doing business as Rux Products Co., Platte City, Mo. cold capsules. 362,020; Nov. 8; Serial No. 407,127; published Aug. 16, 1938. Class 6.

Butler Manufacturing Company, Kansas City, Mo. Coal stokers. 361,951; Nov. 8; Serial No. 400,364; published Aug. 30, 1938. Class 34.

Buzby, Augustus C. (See Keystone Lubricating Company.)

California Perfume Company, Inc., New York, N. Y. Perfumes and face powder. 361,994; Nov. 8; Serial No. 405,483; published Aug. 9, 1938. Class 6.

Campbell, John, & Co., assignor to John Campbell & Co., Inc., New York, N. Y. Chemicals. 123,018; renewed Oct. 8, 1938.

Carlyle. (See Charm Products, Inc.)

Carnegie, Hattie, Inc., New York, N. Y. Lipsticks, rouge, face powder, etc. 362,102; Nov. 8. Class 6.

Carnrick, G. W., Co. Newark, N. J. Standardized estrogenic hormone ester preparation. 362,042; Nov. 8; Serial No. 407,974; published Aug. 9, 1938. Class 6.

Carter Manufacturing Company, The. (See Greene, Louis M.)
Castill Chemical Company. (See Bernstein, Nathan.)
Caucholis, Félix J., Hussigny-Godbrange, Meurthe-et-Moselle, France. Medicated powder. 361,940; Nov. 8; Serial No. 398,515; published Aug. 16, 1938. Class 6.
Central Specialty Co., Inc., Kansas City, Mo. Scented deodorant. 361,971; Nov. 8; Serial No. 403,753; published Aug. 9, 1938. Class 6.
Central Wisconsin Canneries, Beaver Dam, Wis. Canned vegetables. 361,930; Nov. 8; Serial No. 393,692; published Aug. 30, 1938. Class 46.
Charm Products, Inc., also doing business as Carlyle, Los Angeles, Calif. Nail wax, lip stick, astringent, hand lotion, etc. 361,992; Nov. 8; Serial No. 405,102; published Aug. 16, 1938. Class 6.
"Chinoin" Gyógyszer és Vegyészeti Termékek Gyára Részvénytársaság, (Dr. Kereszty & Dr. Wolf), Ujpest, Hungary. Medicines, chemical and pharmaceutical products. 361,984; Nov. 8; Serial No. 404,673; published Aug. 9, 1938. Class 6.
Christina, Vincent, Inc., New York, N. Y. Preparations for angina pectoris, arthritis, sinus, etc. 362,012; Nov. 8,1938; Serial No. 407,007; published Aug. 23, 1938. Class 6.
Cities Service Oil Company. (See Crew Levick Company, assignor.)
Cleland Simpson Company, Scranton, Pa. Boys' and men's clothing. 362,081; Nov. 8. Class 39.
Cloverset Flower Farm, Kansas City, Mo. Insecticides. 362,039; Nov. 8; Serial No. 407,897; published Aug. 9, 1938. Class 6.
Cluett, Peabody & Co., Inc., Troy, N. Y. Collars and shirts. 362,100; Nov. 8. Class 39.
Coastal Pharmaceutical Co., Inc., New York, N. Y. Medicine. 362,018; Nov. 8; Serial No. 407,087; published Aug. 16, 1938. Class 6.
Codman, Joseph, doing business as Codman's Packing Co., Elmhurst, N. Y. Bacon. 361,929; Nov. 8; Serial No. 393,319; published Aug. 30, 1938. Class 46.
Columbia Products Corporation, Washington, D. C. Liquid cleaner for china plumbing fixtures. 362,066; Nov. 8; Serial No. 408,494; published Aug. 30, 1938. Class 4.
Cook Paint & Varnish Company, North Kansas City, Mo. Ready-mixed paints. 362,082; Nov. 8. Class 16.
Cosby Brush & Import Company, Inc., New York, N. Y. Shaving and toilet soaps. 362,023; Nov. 8. Serial No. 407,308; published Aug. 30, 1938. Class 4.
Crescent Nut & Chocolate Co., Philadelphia, Pa. Peanuts, peanut butter. 362,028; Nov. 8; Serial No. 407,578; published Aug. 30, 1938. Class 46.
Crew Levick Company, Philadelphia, Pa., assignor, by mesne assignments, to Cities Service Oil Company, Bartlesville, Okla. Lubricating oils and greases. 123,572; renewed Nov. 19, 1938.
Davis, H. B., Co., The, Baltimore, Md. Paints, paint enamels, stains, etc. 362,017; Nov. 8; Serial No. 407,058; published Aug. 30, 1938. Class 16.
Dixie Bronze Company, Birmingham, Ala. Antifriction metals. 362,084; Nov. 8. Class 14.
Dogsend, Pearl, Pittsburgh, Pa. Pressing oil for hair and for hair grower. 362,034; Nov. 8; Serial No. 407,708; published Aug. 9, 1938. Class 6.
Dorson Corporation, The, Chicago, Ill. Watchmen's time recorders and time stamps. 362,104; Nov. 8. Class 27.
Drug Products Company, Inc., The, Long Island City, N. Y. Preparation for anemic conditions. 362,044; Nov. 2; Serial No. 408,052; published Aug. 23, 1938. Class 6.
Drug Products Company, Inc., The, Long Island City, N. Y. Hematinic preparation. 362,045; Nov. 8; Serial No. 408,054; published Aug. 16, 1938. Class 6.
Duplan Silk Corporation, New York, N. Y. Fabrics in the piece. 362,037; Nov. 8; Serial No. 407,854; published Aug. 30, 1938. Class 42.
Eastern Pharmacal Co., Inc., Yonkers, N. Y. Antipyretic and analgesic preparation. 362,056; Nov. 8; Serial No. 408,312; published Aug. 16, 1938. Class 6.
Eddy, Jack P., doing business as Hynes Equipment Co., Los Angeles, Calif. Liquid for preserving gut leaders. 362,013; Nov. 8; Serial No. 407,016; published Aug. 16, 1938. Class 6.
Endo Products, Inc., New York, N. Y. Preparation used to treat colds and bronchitis. 362,053; Nov. 8; Serial No. 408,238; published Aug. 9, 1938. Class 6.
Esperon, Thomas B., Detroit, Mich. Pharmaceutical preparation. 361,967; Nov. 8; Serial No. 403,652; published May 10, 1938. Class 6.
Esso Products Co. (See Spiro, Edward H., Jr.)
Everson, Franklin E., doing business as Limray Co., New York, N. Y. Sunburn preparations. 361,964; Nov. 8; Serial No. 403,448; published Aug. 23, 1938. Class 6.
Farbenfabriken, vormals Fr. Bayer & Co., Elberfeld, Germany, assignor, by mesne assignments, to Winthrop Chemical Company, Inc., New York, N. Y. Hypnotic. 16,308; re-renewed Feb. 26, 1939.
Farnsworth, Daniel W., New York, N. Y. Woolen and worsted piece goods. 362,043; Nov. 8; Serial No. 408,016; published Aug. 30, 1938. Class 42.
Federal Snap Fastener Corporation, New York, assignor, by mesne assignments, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Snap-fasteners and placket-fasteners. 124,525–6; renewed Feb. 25, 1939.
Federal Snap Fastener Corporation, New York, assignor, by mesne assignments, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Snap-fasteners and placket-fasteners. 124,704; renewed Mar. 11, 1939.
Fernel, Jean P., Chicago, Ill. Medicinal preparation for developing the breast. 361,944; Nov. 8; Serial No. 399,132; published Aug. 23, 1938. Class 6.
Flare Laboratories. (See Bell Company, Inc., The.)
Fluegelman, N., & Co., Inc., New York, N. Y. Goods in the piece. 362,009; Nov. 8; Serial No. 406,680; published Aug. 30, 1938. Class 42.
Fouché, René, P., Paris, France. Medicinal herb tea. 361,989; Nov. 8; Serial No. 405,017; published Aug. 16, 1938. Class 6.
Fougera, E., & Co. Incorporated, New York, N. Y. Medicinal preparation. 361,961; Nov. 8; Serial No. 402,594; published Aug. 16, 1938. Class 6.
French, Gus H., doing business as French Laboratories, Minneapolis, Minn. Mosquito repellant and insecticide. 362,051; Nov. 8; Serial No. 408,189; published Aug. 9, 1938. Class 6.
General Beautilities Co. (See Kremer, George.)
General Chemical Company, New York, N. Y. Self-emulsifying compound for producing an emulsion for application to trees, etc. 361,981; Nov. 8; Serial No. 404,360; published May 17, 1938. Class 6.
Gilmour Bros. & Company, Limited, Montreal, Quebec, Canada. Vegetable agent. 361,954; Nov. 8; Serial No. 400,502; published Aug. 30, 1938. Class 46.
Gladding McBean & Co., Los Angeles, Calif. Ceramic table ware, earthen ware; etc. 361,963; Nov. 8; Serial No. 403,409; published Aug. 30, 1938. Class 30.
Goodman & Dessauer, Inc., New York, N. Y. Lace. 362,024; Nov. 8; Serial No. 407,313; published Aug. 30, 1938. Class 42.
Goyescas Corp., New York, N. Y. Cologne and toilet water, lipstick, etc. 361,979; Nov. 8; Serial No. 404,311; published Aug. 23, 1938. Class 6.
Gray Company, Incorporated, Minneapolis, Minn. Lubricating equipment, apparatus, and machinery. 361,987–8; Nov. 8; Serial Nos. 404,940–1; published Aug. 30, 1938. Class 23.
Great Western Electro-Chemical Company, San Francisco, Calif. Sodium ethyl xanthate, potassium ethyl xanthate, etc. 361,946; Nov. 8; Serial No. 399,353; published Aug. 16, 1938. Class 6.
Greene, Louis M., doing business as The Carter Manufacturing Company, Cleveland, Ohio. Chemical composition to prevent rust or corrosion. 361,985; Nov. 8; Serial No. 404,709; published Aug. 16, 1938. Class 6.
Greenosan Limited, Colchester, England. Medicated preparations. 362,003; Nov. 8; Serial No. 406,448; published Aug. 23, 1938. Class 6.
Halle Bros. Co., The, Cleveland, Ohio. Vitamin and mineral capsules. 362,032; Nov. 8; Serial No. 407,752; published Aug. 16, 1938. Class 6.
Hart Products Corporation, The, New York, N. Y. Wetting and moistening preparations, finishing preparations, etc. 362,040; Nov. 8; Serial No. 407,902; published Aug. 9, 1938. Class 6.
Hayden, Edward J., doing business as E. J. Hayden and Company, New York, N. Y. Electrically illuminated advertising display devices. 361,997; Nov. 8; Serial No. 405,989; published Aug. 30, 1938. Class 21.
Health Research Foundation, Ann Arbor, Mich. Vitamin tablet. 361,927; Nov. 8; Serial No. 389,024; published Dec. 28, 1937. Class 6.
Hensoldt, Carl, doing business as M. Hensoldt & Söhne, Wetzlarer Optische Werke, Wetzlar, Germany. Field glasses, telescopes, magnifying glasses, etc. 361,952; Nov. 8; Serial No. 400,416; published Aug. 30, 1938. Class 26.
Hercules Powder Company, Wilmington, Del. Chemical compounds. 362,049; Nov. 8; Serial No. 408,101; published Aug. 9, 1938. Class 6.
Hercules Powder Company, Wilmington, Del. Water-soluble gum used in the finishing of silk and rayon textiles. 362,099; Nov. 8. Class 6.
Home Oil Heating Company, Passaic, N. J. Oil burners. 362,010; Nov. 8; Serial No. 406,716; published Aug. 30, 1938. Class 34.
Houbigant, Inc., New York, N. Y. Perfume, toilet water. 361,983; Nov. 8; Serial No. 404,608; published Aug. 23, 1938. Class 6.
Hunter, Roy A., Vancouver, British Columbia, Canada. Flour, bread, muffins, etc. 361,926; Nov. 8; Serial No. 385,098; published Aug. 30, 1938. Class 46.
Hynes Equipment Co. (See Eddy, Jack P.)
Ingeniörsfirma Georg Schönander. (See Schönander, Nils G.)
Jenkins, R. L., Russellville, Ark. Preparation for relief of dandruff. 361,980; Nov. 8; Serial No. 404,314; published Aug. 9, 1938. Class 6.
Keystone Lubricating Company, as assignee of Augustus C. Buzby, assignor to Keystone Lubricating Company, Philadelphia, Pa. Lubricants. 124,670; renewed Mar. 11, 1939.
Kimball, C. M., Co., Everett, Mass. Preparation for cleaning glass windows, windshields, etc. 362,057; Nov. 8; Serial No. 408,333; published Aug. 30, 1938. Class 4.
Kimbrough, William C., doing business as Abbeville Packing Company, Lafayette, La. Canned vegetables, canned oysters, and canned berries. 361,934; Nov. 8; Serial No. 397,975; published Aug. 30, 1938. Class 46.

Kingston Radio Company, Kokomo, Ind. Radio tuning dials. 361,943; Nov. 8; Serial No. 398,906; published Aug. 30, 1938. Class 21.
Kleso Manufacturing Company, New York, N. Y. Cleaner for Venetial blinds. 362,031; Nov. 8; Serial No. 407,675; published Aug. 30, 1938. Class 4.
Kohnstamm, H., & Co. Inc., New York, N. Y. Pigment colors and lake colors. 361,935; Nov. 8; Serial No. 398,114; published Aug. 16, 1938. Class 6.
Kraus Bros. & Co., Inc., New York, N. Y. Whiskies, gins, and alcoholic cordials. 362,105; Nov. 8. Class 49.
Kremer, George, doing business as General Beautilities Co., New York, N. Y. Hair coloring preparation. 362,061; Nov. 8; Serial No. 408,426; published Aug. 16, 1938. Class 6.
Kress, S. H., and Company, New York, N. Y. Biscuits, cakes, crackers, etc. 362,076; Nov. 8. Class 46.
Krutz Ranch. (See Magaw, Mary K.)
Laboratoires de L'Ambre Solaire. (See Schueller, Eugène.)
La Brea Securities Co., Los Angeles, also doing business as Rosemary Packing Company, Santa Maria, Calif. Fresh vegetables. 361,990; Nov. 8; Serial No. 405,027; published Aug. 30, 1938. Class 46.
Laclede Packing Company, St. Louis, Mo. Meat products. 362,103; Nov. 8. Class 46.
Lagerloef Trading Co. Inc., New York, N. Y. Wood-pulps. 125,063; renewed Apr. 8, 1939.
Lande & Miskend, Inc., New York, N. Y. Nightgowns and pajamas. 362,083; Nov. 8. Class 39.
Lasting Products Company, Baltimore, Md. Artificial stone wall facings. 362,093; Nov. 8. Class 12.
Lee & Cady. (See Berdan Company, The, assignor.)
Lenox, Incorporated, Trenton, N. J. Lamp bodies, candlesticks, candle holders, etc. 361,968; Nov. 8; Serial No. 403,656; published Aug. 30, 1938. Class 34.
Levy, Lawrence T., doing business as River Jordan Herb Co., Cleveland, Ohio. Medicinal laxative and diuretic preparation. 362,092; Nov. 8. Class 6.
Limray Co. (See Everson, Franklin E.)
Lindberg Engineering Co., Chicago, Ill. Metal treating furnaces. 361,948; Nov. 8; Serial No. 399,841; published Aug. 30, 1938. Class 34.
London House, Ltd., New York, N. Y. Perfume. 362,072; Nov. 8; Serial No. 408,607; published Aug. 23, 1938. Class 6.
Long, Charles L., doing business as Permaid Company, St. Louis, Mo. Permanent waving solution. 361,933; Nov. 8; Serial No. 397,540; published Aug. 16, 1938. Class 6.
Mac-It Parts Company, Lancaster, Pa. Hollow-head set screws. 361,977; Nov. 8; Serial No. 404,051; published Aug. 30, 1938. Class 13.
Madaus, Dr., & Company, Radebeul, Dresden, Germany. Pulverized medicinal herbs or plants. 361,941; Nov. 8; Serial No. 398,581; published Aug. 16, 1938. Class 6.
Magaw, Mary K., doing business as Kurtz Ranch, Indio, Calif. Fresh citrus fruits and dates. 362,096; Nov. 8. Class 46.
Maliger, Jules, Lapwai, Idaho. Preparation for the treatment of tuberculosis and consumption. 361,965; Nov. 8; Serial No. 403,512; published Aug. 23, 1938. Class 6.
Mallinckrodt Chemical Works, St. Louis, Mo. Dye preparation for brown patch control. 361,932; Nov. 8; Serial No. 397,367; published Aug. 16, 1938. Class 6.
Manlove, William E., doing business as Manlove's Laboratories, Norfolk, Va. Preparation for headaches, neuralgia, colds, and fever. 361,982; Nov. 8; Serial No. 404,535; published Aug. 16, 1938. Class 6.
Manlove, William E., doing business as Manlove's Laboratories, Norfolk, Va. Preparation for headaches, neuralgia, colds, and fever. 362,026; Nov. 8; Serial No. 407,464; published Aug. 9, 1938. Class 6.
Marietta Paint & Color Co., The, Marietta, Ohio. Clear varnishes, lacquers, and paint enamels. 362,046; Nov. 8; Serial No. 408,069; published Aug. 30, 1938. Class 16.
Marion Laboratories, Inc., Chicago, Ill. Liquid cleaning composition for leather, mattresses, etc. 362,059; Nov. 8; Serial No. 408,389; published Aug. 30, 1938. Class 4.
Mascolo, Emil, doing business as C. Mascolo Bottling Works, Waterbury, Conn. Beverages, and syrups, extracts, and flavors used in making the same. 362,025; Nov. 8; Serial No. 407,438; published Aug. 30, 1938. Class 45.
Massengill, S. E., doing business as The S. E. Massengill Company, Bristol, Tenn. Pharmaceutical drugs and preparations. 361,993; Nov. 8; Serial No. 405,124; published Aug. 16, 1938. Class 6.
Masson, Paul, Champagne Company, Saratoga, Calif. Wines. 362,014; Nov. 8; Serial No. 407,027; published Aug. 30, 1938. Class 47.
Mayer, Oscar, & Company, Chicago, Ill. Smoked meats; and sausage, boiled ham, etc. 361,936; Nov. 8; Serial No. 398,117; published Aug. 30, 1938. Class 46.
McComb, James B., New York, N. Y. Cleaning preparation. 361,953; Nov. 8; Serial No. 400,423; published Aug. 30, 1938. Class 4.
Meloy Mfg. Co., The. (See Steele, Alice N.)
Merrimack Manufacturing Company, Lowell, Mass. Cotton pile fabrics. 362,097; Nov. 8. Class 42.
Midland Flour Milling Company, The, Kansas City, Mo. Wheat flour. 361,906; Nov. 8; Serial No. 405,778; published Aug. 30, 1938. Class 46.
Midway Chemical Co., Chicago, Ill., assignor to Wizard, Inc. Stove polish, shoe cleaner and polish, wall paper cleaner, etc. 361,923; Nov. 8; Serial No. 381,233; published June 1, 1937. Class 4.
Miscoe Spring Water Company, Mendon, Mass. Beverages, and syrups, extracts, and flavors used in making the same. 362,073; Nov. 8; Serial No. 408,616; published Aug. 30, 1938. Class 45.
Modern Necessities, Chicago, Ill. Adhesive gauze. 362,095; Nov. 8. Class 44.
Morris, Philip, & Co. Ltd., Incorporated, New York, N. Y. Cigarettes. 362,107; Nov. 8. Class 17.
Moskowitz, Herman J., Mount Vernon, N. Y. Preparation for removing adhesive tape. 362,047; Nov. 8; Serial No. 408,070; published Aug. 23, 1938. Class 6.
Mueller Electric Company, Cleveland, Ohio. Connecting clips. 362,030; Nov. 8; Serial No. 407,635; published Aug. 30, 1938. Class 21.
North American Fibre Products Company, The, Cleveland, Ohio. Liquid compound for elimination and prevention of rust, scale, erosion, etc. 361,975; Nov. 8; Serial No. 404,010; published Aug. 16, 1938. Class 6.
Norwalk Tire & Rubber Company, Inc., The, Norwalk, Conn. Tires and inner tubes. 362,021; Nov. 8; Serial No. 407,197; published July 26, 1938. Class 35.
Ortholine Laboratories Incorporated. (See Brownlee, H. R., assignor.)
Owens-Illinois Pacific Coast Company, San Francisco, Calif. Glass jars and bottles. 362,089; Nov. 8. Class 33.
Park & Tilford, New York, N. Y. Tea. 124,987; renewed Apr. 1, 1939.
Parke, Davis & Company, Detroit, Mich. Bile preparation. 362,008; Nov. 8; Serial No. 406,653; published Aug. 16, 1938. Class 6.
Parker, Wilder & Co., New York, N. Y. Woolen piece goods. 361,976; Nov. 8; Serial No. 404,014; published Aug. 30, 1938. Class 42.
Parris-Dunn Corporation, Clarinda, Iowa. Wind-driven electric generator apparatus. 362,052; Nov. 8; Serial No. 408,203; published Aug. 30, 1938. Class 21.
Patch, E. L., Company, The, Stoneham, Mass. House organ. 124,576; renewed Feb. 25, 1939.
Peco Manufacturing Corporation, Philadelphia, Pa. Tire treating and treading machines, etc. 362,077; Nov. 8. Class 23.
Permaid Company. (See Long, Charles L.)
Peterson, Edward C., Elmira, N. Y. Soothing and painless preparation for burns, etc. 362,074; Nov. 8; Serial No. 408,737; published Aug. 30, 1938. Class 6.
Phelan, Joseph E., Inc., Salem, Mass. Wines. 361,956; Nov. 8; Serial No. 401,447; published Aug. 30, 1938. Class 47.
Physicians and Hospitals Supply Company, Inc., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Medicinal preparation. 362,011; Nov. 8; Serial No. 406,850; published Aug. 9, 1938. Class 6.
Pitman, Harold M., Company, Chicago, Ill. Solution for coating photographic glass plates, etc. 362,079; Nov. 8. Class 6.
Pond Lily Company, The, New Haven, Conn. Piece goods. 362,067; Nov. 8; Serial No. 408,508; published Aug. 30, 1938. Class 42.
Pond's Extract Company, New York, N. Y. Cold creams. 361,949; Nov. 8; Serial No. 399,977; published Aug. 23, 1938. Class 6.
Portland Label Co., Inc., to Portland Box and Label Co., Milwaukie, Oreg., successor. Prescription-blanks. 123,155; renewed Oct. 15, 1938.
Potomac Chemical Co. (See Stone, Frank T.)
R and H Medical Co., Plymouth, Ind. Preparation for the treatment of athlete's foot, ring worm, etc. 362,000; Nov. 8; Serial No. 406,151; published Aug. 23, 1938. Class 6.
Red Rock Co., The, Atlanta, Ga. Beverages and sirups and extracts for making the same. 362,075; Nov. 8; Serial No. 408,763; published Aug. 30, 1938. Class 45.
Reno Brewing Company, Inc., Reno, Nev. Beer. 362,064; Nov. 8; Serial No. 408,476; published Aug. 30, 1938. Class 48.
Revlon Nail Enamel Corporation, The, New York, N. Y. Enamel adapted for coating finger nails. 362,087–8; Nov. 8. Class 6.
Rex Manufacturing Company, Connersville, Ind. Convertible automobile-tops. 123,278; renewed Oct. 22, 1938.
Rhinopto Company, The, Dallas, Tex. Nose drops. 362,068; Nov. 8; Serial No. 408,509; published Aug. 23, 1938. Class 6.
Rice-Stix Dry Goods Company, St. Louis, Mo. Clothing. 124,762; renewed Mar. 11, 1939.
River Jordan Herb Co. (See Levy, Lawrence T.)
Riverside Citrus Ass'n., Riverside, Calif. Fresh citrus fruits. 362,085; Nov. 8. Class 46.
Robeson Process Company, New York, N. Y. Compositions for tanning extract. 362,038; Nov. 8; Serial No. 407,883; published Aug. 9, 1938. Class 6.
Rollman & Sons Co., The, Cincinnati, Ohio. Stoves, ranges, and heaters using gas fuel. 362,001; Nov. 8; Serial No. 406,153; published Aug. 30, 1938. Class 34.

Roma Wine Company, Inc., Lodi and Los Angeles, Calif., and New York, N. Y. Wines. 361,966; Nov. 8; Serial No. 403,563; published Aug. 30, 1938. Class 47.
Rosemary Packing Company. (See La Brea Securities Co.)
Royal Petroleum Corporation, New York, N. Y. Fuel and heating oils. 362,106; Nov. 8. Class 15.
Rux Products Co. (See Burnstein, Louis.)
Ryan Converting Corporation, New York, N. Y. Piece goods. 362,078; Nov. 8. Class 42.
Schiruska, Joseph A., doing business as Big Boy Bottling Company, Wildwood, Fla. Beverages, and syrups, extracts, and flavors used in making the same. 362,070; Nov. 8; Serial No. 408,550; published Aug. 30, 1938. Class 45.
Scholler Brothers, Inc., Philadelphia, Pa. Textile soap and a cleaner for painted, etc. surfaces. 361,995; Nov. 8; Serial No. 405,669; published Aug. 30, 1938. Class 4.
Schönander, Nils G., doing business as Ingenlörsfirma Georg Schönander, Stockholm, Sweden. Electrotechnical apparatus for medical and surgical purposes. 362,090; Nov. 8. Class 44.
Schueller, Eugène, doing business as Laboratoires de L'Ambre Solaire, Paris, France. Sun tan oil. 362,035; Nov. 8; Serial No. 407,824; published Aug. 23, 1938. Class 6.
Schultz, Julius I., doing business as The Brillon Hair Remedies Company, Detroit, Mich. Liquid soap for use as a shampoo. 361,945; Nov. 8; Serial No. 399,155; published Aug. 9, 1938. Class 6.
Seekamp, Herman D., St. Louis, Mo. Preparation for treatment of sinus infection and hay fever. 362,022; Nov. 8; Serial No. 407,285; published Aug. 9, 1938. Class 6.
Shaler Company, The, Waupun, Wis. Motor-gum solvent. 361,931; Nov. 8; Serial No. 396,751; published Aug. 16, 1938. Class 6.
Sherwin-Williams Co., The, Cleveland, Ohio. Insecticides and fungicides. 361,955; Nov. 8; Serial No. 400,704; published Mar. 22, 1938. Class 6.
Shlansky, Philip, & Bro., Inc., New York, N. Y. Women's and misses' coats and suits. 362,098; Nov. 8. Class 39.
Sinclair, H. V., doing business as Universal Kemico Company, Rochester, N. Y. Medicine. 361,974; Nov. 8; Serial No. 403,974; published Aug. 16, 1938. Class 6.
Smith & Nichols, Inc., New York, N. Y. Mineral waxes. 122,826; renewed Sept. 17, 1938.
Societe Anonyme Chimie & Atomistique, Paris, France. Preparation for kidney infections and diseases of the alimentary tract. 362,004; Nov. 8; Serial No. 406,528; published Aug. 23, 1938. Class 6.
Sorkin, Louis, doing business as Sorkin Music Company, New York, N. Y. Band instruments. 362,094; Nov. 8. Class 36.
Spinney Company, Inc., Hoboken, N. J. Preparation for the relief of head colds, catarrh, etc. 362,086; Nov. 8. Class 6.
Spiro, Edward H., Jr., doing business as Essco Products Co., New York, N. Y. Mite powder. 361,978; Nov. 8; Serial No. 404,189; published Aug. 23, 1938. Class 6.
Standard Milling Company, New York, N. Y. Wheat flour. 361,938–9; Nov. 8; Serial Nos. 398,375–6; published Aug. 30, 1938. Class 46.
Steele, Alice N., doing business as The Meloy Mfg. Co., Miami, Fla. Cold cream. 362,015; Nov. 8; Serial No. 407,040; published Aug. 16, 1938. Class 6.
Stone, Frank T., doing business as Potomac Chemical Co., Arlington, Va. Face and hand lotion. 362,091; Nov. 8. Class 6.
Surface-Proofing Products, Inc., New York, N. Y. Paint. 362,027; Nov. 8; Serial No. 407,509; published Aug. 30, 1938. Class 16.
Swann, Jacquith P., Chicago, Ill. Dentures. 362,065; Nov. 8; Serial No. 408,479; published Aug. 30, 1938. Class 46.
Technical Publishing Company, Chicago, Ill. Publication. 125,103; renewed Apr. 8, 1939.
Tex-Ite Products Corporation, Brooklyn, N. Y. Soap powder. 362,060; Nov. 8; Serial No. 408,404; published Aug. 30, 1938. Class 4.
Thayer, Henry, & Co., Inc., assignor, by mesne assignments, to Henry Thayer & Co., Inc., Cambridge, Mass. Preparation for diseases of the ano-rectal region. 123,069; renewed Oct. 8, 1938.
Thomas Chemical Products Co., Inc., New York, N. Y. Jewelry cleaner. 362,055; Nov. 8; Serial No. 408,290; published Aug. 30, 1938. Class 4.
Tingue, Brown & Co., New York, N. Y. Pads of jute and hair. 362,019; Nov. 8; Serial No. 407,116; published Aug. 30, 1938. Class 42.
Ulmer Pharmacal Company. (See Physicians and Hospitals Supply Company, Inc.)
United Drug Company, Boston, Mass. Hemoglobin-forming tonic. 362,006; Nov. 8; Serial No. 406,608; published Aug. 23, 1938. Class 6.
United States Glass Co., Pittsburgh, Pa. Glass table ware and glass bar ware. 361,972; Nov. 8; Serial No. 403,799; published Aug. 30, 1938. Class 33.
United States Glass Co., Pittsburgh, Pa. Glass table ware and glass bar ware. 361,973; Nov. 8; Serial No. 403,801; published Aug. 30, 1938. Class 33.
Universal Kemico Company. (See Sinclair, H. V.)
Urvater, Arnold, Paris, France. Medicinal products. 361,962; Nov. 8; Serial No. 402,879; published Aug. 23,1938. Class 6.
Vernon-Benshoff Company, Pittsburgh, Pa. Restorative dental appliances; and corrective appliances. 362,016; Nov. 8; Serial No. 407,044; published Aug. 30, 1938. Class 44.
Vitamin Products Co., Montebello, Calif. Medicinal tablets. 362,069; Nov. 8; Serial No. 408,522; published Aug. 23, 1938. Class 6.
Viver Chemical Company, Carthage, N. Y. Nerve tonic. 362,054; Nov. 8; Serial No. 408,255; published Aug. 16, 1938. Class 6.
Wain's Laboratory, Inc., Hollywood, Calif. Pharmaceutical preparations. 362,033; Nov. 8; Serial No. 407,778; published Aug. 9, 1938. Class 6.
Waldes Koh-I-Noor, Inc. (See Federal Snap Fastener Corporation, assignor.)
Warr Fire Extinguisher Company, Incorporated, The, Baltimore, Md. Fire extinguishers. 361,950; Nov. 8; Serial No. 400,077; published July 12, 1938. Class 23.
Weil, Miriam A., Savannah, Ga. Salve 362,071; Nov. 8; Serial No. 408,555; published Aug. 23, 1938. Class 6.
Weitz, S., & Company, Inc., Cleveland, Ohio. Overcoats. 362,101; Nov. 8. Class 39.
Wenzelmann, Gustave, to Gustave Wenzelmann, doing business as Wenzelmann Chemical Works, Galesburg, Ill. Chemical compound. 123,402; renewed Oct. 29, 1938.
Weslaco Citrus Association, Weslaco, Tex. Fresh citrus fruits. 361,957; Nov. 8; Serial No. 401,634; published Aug. 30, 1938. Class 46.
Williamson Candy Company, Chicago, Ill. Candy. 362,041; Nov. 8; Serial No. 407,965; published Aug. 30, 1938. Class 46.
Winthrop Chemical Company, Inc. (See Farbenfabriken, vorm. Friedr. Bayer & Co., assignor.)
Winthrop Chemical Company, Inc., New York, N. Y. Synthetic crystalline vitamin B_1. 362,029; Nov. 8; Serial No. 407,614; published Aug. 16, 1938. Class 6.
Wisconsin Alumni Research Foundation, Madison, Wis. Vitamin D concentrate. 361,947; Nov. 8; Serial No. 399,586; published Aug. 23, 1938. Class 6.
Wizard, Inc. (See Midway Chemical Co., assignor.)
Wright, Rose B., Washington, D. C. Salve and liniment. 362,005; Nov. 8; Serial No. 406,539; published Aug. 16, 1938. Class 6.
Yarling, Wayne, Elwood, Ind. Popcorn in its natural state. 361,960; Nov. 8; Serial No. 402,393; published Aug. 30, 1938. Class 46.
Zeiss, Carl, Jena, Germany. Objectives and light filters. 362,050; Nov. 8; Serial No. 408,179; published Aug. 30, 1938. Class 26.
Zenith Products Company, Cleveland, Ohio. Disinfectant, wash, and medicine for animals. 361,928; Nov. 8; Serial No. 391,982; published Aug. 23, 1938. Class 6.

LIST OF REGISTRANTS OF LABELS

Bielzoff, D. J., Products Co., Chicago, Ill. Randy Mactaggart Blended Scotch Type Whiskey. For Whiskey. 52,035; Nov. 8.
Bristol, Gloria, Ltd., New York, N. Y. Shelling. For a Lotion. 52,036; Nov. 8.
Burlington Brewing Company, Wilmington, Del., Burlington, Wis., and Chicago, Ill. Chesterton. For Beer. 52,037; Nov. 8.
Gast Bottling Corp., St. Louis, Mo. Gast Golden Lager. For Lager Beer. 52,038; Nov. 8.
General Mills, Inc., Minneapolis, Minn. A. R. P. I. Process Vitamin Concentrated Vitamin D in Evaporated Milk. For a Concentrated Sterilized Preparation of Activated Ergosterol, A. R. P. I. Process, in Unsweetened Evaporated Milk for Use in Fortifying Fluid Milk and Other Food Products. 52,039; Nov. 8.
General Mills, Inc., Minneapolis, Minn. A. R. P. I. Process Vitamin Concentrated Vitamin D in Evaporated Milk. For a Concentrated Sterilized Preparation of Activated Ergosterol, A. R. P. I. Process, in Unsweetened Evaporated Milk for Use in Fortifying Milk and Other Food Products. 52,040; Nov. 8.
General Mills, Inc., Minneapolis, Minn. A. R. P. I. Process Vitamin Concentrated Vitamin D in Evaporated Milk. For a Concentrated Sterilized Preparation of Activated Ergosterol A. R. P. I. Process, in Unsweentened Evaporated Milk for Use in Fortifying Bread and Other Food Products. 52,041; Nov. 8.
Grafo Mfg. Co., Chicago, Ill. Grafo-Plating. For a Heat Resisting Lubricant. 52,042; Nov. 8.
Graupner, Robert H., Inc., Harrisburg, Pa. Tyrolean. For Lager Beer. 52,043; Nov. 8.

Hudson, Fannie L., New Orleans, La. Hudson's Compound. For a Compound Used Exclusively as a Vaginal Douche. 52,044; Nov. 8.
Johnson, S. C., & Son, Inc., Racine, Wis. Johnson's Perfectone White Gloss Enamel. For Enamel. 52,046; Nov. 8.
Jones, James B., Evanston, Ill. Sprayette The Fountain of Youth for Your Hair. For a Hair Reviver. 52,047; Nov. 8.
Mead Johnson & Company, Evansville, Ind. Pablum. For Pre-Cooked Cereal Mixture, Vitamin and Mineral Enriched. 52,045; Nov. 8.
Pectin Industries, Inc., Chicago, Ill. Jolly Gulp. For Frozen Confections. 52,048; Nov. 8.
Penick & Ford, Ltd. Incorporated, New York, N. Y. My-T-Fine. For a Mixture of Sugar, Cornstarch, Cocoa, Nuts, Salt and Vanilla for Making a Nut Chocolate Flavor Dessert. 52,049; Nov. 8.
Penick & Ford, Ltd. Incorporated, New York, N. Y. My-T-Fine. For a Mixture of Sugar, Cornstarch, Salt, Vanilla and U. S. Certified Food Color for Making a Vanilla Flavor Dessert. 52,050; Nov. 8.
Penick & Ford, Ltd. Incorporated, New York, N. Y. My-T-Fine. For a Mixture of Sugar, Cornstarch, Salt, Flavoring and U. S. Certified Food Color for Making a Butterscotch Flavor Dessert. 52,051; Nov. 8.
Penick & Ford, Ltd. Incorporated, New York, N. Y. My-T-Fine. For a Mixture of Sugar, Cornstarch, Cocoa, Salt and Vanillin for Making a Chocolate Flavor Dessert. 52,052; Nov. 8.
Penny, Jas. I., doing business as Quick Products Company, Lubbock, Tex. "Quick" Solvent. For a Solvent Especially Prepared for the Removal of Lime and Rust from the Radiator and Block of Automotive Cooling Systems. 52,053; Nov. 8.
Quick Products Company. (See Penny, Jas. I.)
Robertson, D. N., St. Louis, Mo. Robbs Popcorn Seasoning. For Pop-Corn Seasoning. 52,054; Nov. 8.
Robertson, D. N., St. Louis, Mo. Robbs Popcorn. For Fancy Selected South American Variety Pop-Corn. 52,055; Nov. 8.
Salaway, Vinnie J., Elmhurst, Ill. Tax-Teller Alarm. For Rental Receipts. 52,056; Nov. 8.
Scott Paper Company, Chester, Pa. Scottissue Towels. For Paper Towels. 52,057; Nov. 8.
Tea Garden Products Co., San Francisco, Calif. Tea Garden Mango Chutney. For Mango Chutney. 52,058; Nov. 8.
Tenner Brothers, Charlotte, N. C. Hostess. For California Sherry. 52,059; Nov. 8.
Vanex, Inc., Detroit, Mich. Vanex. For a Mixture of Aromatic Flavoring Materials, Guaranteed Not to Bake, Boil or Freeze Out. 52,060; Nov. 8.
Vegetable Juices, Inc., Chicago, Ill. Rolle Instant Tea Concentrate. For a Tea Concentrate. 52,061; Nov. 8.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Rentschlerizing. For Meats. 52,062; Nov. 8.
Whitaker, James F., doing business as J. F. Whitaker Cigar Co., Salt Lake City, Utah. Whitaker's Blue Point. For Cigars. 52,063; Nov. 8.
Wine Corporation of America, Chicago, Ill. V. V. O. For California Grape Brandy. 52,064; Nov. 8.

LIST OF REGISTRANTS OF PRINTS

Berger, Walter J., Chicago, Ill. Rex Coupon System. For a Mineral Cleanser and Water Softener. 17,106; Nov. 8.
Goldberg, Max, Denver, Colo. Our Copy Clicks. For Advertising Copy. 17,107; Nov. 8.
Jameson, William, & Company, Inc., New York, N. Y. William Jameson Irish American Brand Whiskey. For Whiskey. 17,108; Nov. 8.
Lip Lure Inc., Jersey City, N. J. Lip Lure—The Liquid Lipstick. For Lipsticks. 17,109; Nov. 8.
Mayer, Oscar, & Company, Chicago, Ill. Little Oscar. For Wieners. 17,110; Nov. 8.
Meldrum and Fewsmith, Inc., Cleveland, Ohio. For Social Security. For Liquid Body Deodorant, Cream Body Deodorant, Antiseptic Mouth Wash, Tooth Powder, Tooth Paste, Sanitary Napkins, Hair Shampoo, Hair Tonic, Hand Lotion, Soap, Bath Salts and Chewing Gum. 17,111; Nov. 8.
Miller Manufacturing Co., Camden, N. J. Application of Wonder Weld. For a Boiler Compound. 17,112; Nov. 8.
Parker Pen Company, The, Janesville, Wis. Give Your Hand and Brain the Same Chance That Others Give Theirs. For Fountain Pens, Mechanical Pencils and Ink. 17,113; Nov. 8.
Ross, James C., Los Angeles, Calif. The Audi-Gram. For a Nasal Apparatus for Insufflation of the Eustachian Tubes in Catarrhal Deafness. 17,114; Nov. 8.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Wood-pulps. Lagerloef Trading Co. Inc. 125,063; renewed Apr. 8, 1939.

CLASS 4

Cleaner for plumbing fixtures, Liquid. Columbia Products Corporation. 362,066; Nov. 8; Serial No. 408,494; published Aug. 30, 1938.
Cleaner for Venetian blinds. Kleso Manufacturing Company. 362,031; Nov. 8; Serial No. 407,675; published Aug. 30, 1938.
Cleaner. Jewelry. Thomas Chemical Products Co. 362,055; Nov. 8; Serial No. 408,290; published Aug. 30, 1938.
Cleaning composition for leather, mattresses, etc. Marion Laboratories, Inc. 362,059; Nov. 8; Serial No. 408,389; published Aug. 30, 1938.
Cleaning preparation. J. B. McComb. 361,953; Nov. 8; Serial No. 400,423; published Aug. 30, 1938.
Polish, shoe cleaner and polish, wall paper cleaner, etc., Stove. Midway Chemical Co. 361,923; Nov. 8; Serial No. 381,233; published June 1, 1937.
Preparation for cleaning glass windows, windshields, etc. C. M. Kimball Co. 362,057; Nov. 8; Serial No. 408,333; published Aug. 30, 1938.
Soap and a cleaner for painted, etc. surfaces, Textile. Scholler Brothers, Inc. 361,995; Nov. 8; Serial No. 405,669; published Aug. 30, 1938.
Soap, Liquid shampoo. J. I. Schultz. 361,945; Nov. 8; Serial No. 399,155; published Aug. 9, 1938.
Soap powder. Tex-Ite Products Corporation. 362,060; Nov. 8; Serial No. 408,404; published Aug. 30, 1938.
Soaps, Shaving and toilet. Cosby Brush & Import Company. 362,023; Nov. 8; Serial No. 407,308; published Aug. 30, 1938.

CLASS 6

Alkaline preparation, Aqueous. American Ru-Mari Company. 361,924; Nov. 8; Serial No. 381,706; published Oct. 20, 1936.
Antipyretic and analgesic preparation. Eastern Pharmacal Co. 362,056; Nov. 8; Serial No. 418,312; published Aug. 16, 1938.
Astringents, after shaving creams and lotions; etc. A. O. Anderson. 362,007; Nov. 8; Serial No. 406,627; published Aug. 16, 1938.
Bile preparation. Parke, Davis & Company. 362,008; Nov. 8; Serial No. 406,653; published Aug. 16, 1938.
Capsules, Cold. L. Burnstein. 362,020; Nov. 8; Serial No. 407,127; published Aug. 16, 1938.
Chemical composition to prevent rust or corrosion. L. M. Greene. 361,985; Nov. 8; Serial No. 404,709; published Aug. 16, 1938.
Chemical compound. G. Wenzelmann. 123,402; renewed Oct. 29, 1938.
Chemical compounds. Hercules Powder Company. 362,049; Nov. 8; Serial No. 408,101; published Aug. 9, 1938.
Chemicals. John Campbell & Co. 123,018; renewed Oct. 8, 1938.
Cologne and toilet water, lipstick, etc. Goyescas Corp. 361,979; Nov. 8; Serial No. 404,311; published Aug. 23, 1938.
Compositions for tanning extract. Robeson Process Company. 362,038; Nov. 8; Serial No. 407,883; published Aug. 9, 1938.
Compound for producing an emulsion for application to trees, etc., Self-emulsifying. General Chemical Company. 361,981; Nov. 8; Serial No. 404,360; published May 17, 1938.
Cosmetics. Brunswig Drug Co. 362,063; Nov. 8; Serial No. 408,452; published Aug. 23, 1938.
Cream, Cold. A. N. Steele. 362,015; Nov. 8; Serial No. 407,040; published Aug. 16, 1938.
Creams, Cold. Pond's Extract Company. 361,949; Nov. 8; Serial No. 399,977; published Aug. 23, 1938.
Deodorant, Scented. Central Specialty Co. 361,971; Nov. 8; Serial No. 403,753; published Aug. 9, 1938.
Disinfectant, wash, and medicine for animals. Zenith Products Company. 361,928; Nov. 8; Serial No. 391,982; published Aug. 23, 1938.

Drops, Nose. Rhinopto Company. 362,068; Nov. 8; Serial No. 408,509; published Aug. 23, 1938.
Dye preparation for brown patch control. Mallinckrodt Chemical Works. 361,932; Nov. 8; Serial No. 397,367; published Aug. 16, 1938.
Enamel adapted for coating finger nails. Revlon Nail Enamel Corporation. 362,087–8; Nov. 8.
Flux, Welding. Air Reduction Sales Company. 362,036; Nov. 8; Serial No. 407,841; published Aug. 16, 1938.
Gum used in the finishing of silk and rayon textiles, Water-soluble. Hercules Powder Company. 362,099; Nov. 8.
Hair coloring preparation. G. Kremer. 362,061; Nov. 8; Serial No. 408,426; published Aug. 16, 1938.
Hematinic preparation. Drug Products Company. 362,045; Nov. 8; Serial No. 408,054; published Aug. 16, 1938.
Hormone ester preparation, Standardized estrogenic. G. W. Carnrick Co. 362,042; Nov. 8; Serial No. 407,974; published Aug. 9, 1938.
Hormone preparation, Follicle-stimulating. Ayerst, McKenna & Harrison (United States) Limited. 361,986; Nov. 8; Serial No. 404,883; published Aug. 9, 1938.
Hypnotic. Farbenfabriken vormals Fr. Bayer & Co. 16,308; re-renewed Feb. 26, 1939.
Insecticides. Cloverset Flower Farm. 362,039; Nov. 8; Serial No. 407,897; published Aug. 9, 1938.
Insecticides and fungicides. Sherwin-Williams Co. 361,955; Nov. 8; Serial No. 400,704; published Mar. 22, 1938.
Laxative and diuretic preparation, Medicinal. L. T. Levy. 362,092; Nov. 8.
Lipstick, face powder, perfume. Elizabeth Arden, Inc. 361,998; Nov. 8; Serial No. 406,084; published Aug. 23, 1938.
Lipsticks, rouge, face powder, etc. Hattie Carnegie, Inc. 362,102; Nov. 8.
Liquid compound for elimination and prevention of rust, scale, etc. North American Fibre Products Company. 361,975; Nov. 8; Serial No. 404,010; published Aug. 16, 1938.
Liquid for preserving gut leaders. J. P. Eddy. 362,013; Nov. 8; Serial No. 407,016; published Aug. 16, 1938.
Lotion, Face and hand. F. T. Stone. 362,091; Nov. 8.
Medicated powder. F. J. Cauchois. 361,940; Nov. 8; Serial No. 398,515; published Aug. 16, 1938.
Medicated preparations. Greenosan Limited. 362,003; Nov. 8; Serial No. 406,448; published Aug. 23, 1938.
Medicinal herb tea. R. P. Fouche. 361,989; Nov. 8; Serial No. 405,017; published Aug. 16, 1938.
Medicinal herbs and plants, Pulverized. Dr. Madaus & Company. 361,941; Nov. 8; Serial No. 398,581; published Aug. 16, 1938.
Medicinal preparation. E. Fougera & Co. Incorporated. 361,961; Nov. 8; Serial No. 402,594; published Aug. 16, 1938.
Medicinal preparation. Physicians and Hospitals Supply Company. 362,011; Nov. 8; Serial No. 406,850; published Aug. 9, 1938.
Medicinal preparation for developing the breast. J. P. Fernel. 361,944; Nov. 8; Serial No. 399,132; published Aug. 23, 1938.
Medicinal products. A. Urvater. 361,962; Nov. 8; Serial No. 402,879; published Aug. 23, 1938.
Medicinal tablets. Vitamin Products Co. 362,069; Nov. 8; Serial No. 408,522; published Aug. 23, 1938.
Medicine. Coastal Pharmaceutical Co. 362,018; Nov. 8; Serial No. 407,087; published Aug. 16, 1938.
Medicine. H. V. Sinclair. 361,974; Nov. 8; Serial No. 403,974; published Aug. 16, 1938.
Medicines, chemical and pharmaceutical products. "Chinoin" Gyógyszer és Vegyészeti Termékek Gyára Részvénytársasag, (Dr. Kereszty & Dr. Wolf). 361,984; Nov. 8; Serial No. 404,673; published Aug. 9, 1938.
Mosquito repellant and insecticide. G. H. French. 362,051; Nov. 8; Serial No. 408,189; published Aug. 9, 1938.
Nail wax, lip stick, astringent, hand lotion, etc. Charm Products, Inc. 361,992; Nov. 8; Serial No. 405,102; published Aug. 16, 1938.
Oil for hair and for hair grower, Pressing. P. Dogsend. 362,034; Nov. 8; Serial No. 407,798; published Aug. 9, 1938.
Oil, Sun tan. E. Schueller. 362,035; Nov. 8; Serial No. 407,824; published Aug. 23, 1938.
Ointment, surgical dressing, and inhalant. H. R. Brownlee. 361,942; Nov. 8; Serial No. 398,746; published Feb. 1, 1938.
Perfume. London House, Ltd. 362,072; Nov. 8; Serial No. 408,607; published Aug. 23, 1938.
Perfume, toilet water. Houbigant, Inc. 361,983; Nov. 8; Serial No. 404,608; published Aug. 23, 1938.
Perfumes and face powder. California Perfume Company. 361,994; Nov. 8; Serial No. 405,483; published Aug. 9, 1938.
Pharmaceutical drugs and preparations. S. E. Massengill. 361,993; Nov. 8; Serial No. 405,124; published Aug. 16, 1938.
Pharmaceutical preparation. N. Bernstein. 362,002; Nov. 8; Serial No. 406,208; published Aug. 23, 1938.
Pharmaceutical preparations. T. B. Esperon. 361,967; Nov. 8; Serial No. 403,652; published May 10, 1938.
Pharmaceutical preparations. Wain's Laboratory, Inc. 362,033; Nov. 8; Serial No. 407,778; published Aug. 9, 1938.
Pigment colors and lake colors. H. Kohnstamm & Co. Inc. 361,935; Nov. 8; Serial No. 398,114; published Aug. 16, 1938.
Powder, Mite. E. H. Spiro, Jr. 361,978; Nov. 8; Serial No. 404,189; published Aug. 23, 1938.
Preparation for anemic conditions. Drug Products Company. 362,044; Nov. 8; Serial No. 408,052; published Aug. 23, 1938.
Preparation for antacid, adsorbent, antiseptic, etc. Amfre Drug Co. Incorporated. 362,058; Nov. 8; Serial No. 408,336; published Aug. 23, 1938.
Preparation for burns, etc., Soothing and painless. E. C. Peterson. 362,074; Nov. 8; Serial No. 408,737; published Aug. 30, 1938.
Preparation for diseases of the ano-rectal region. Henry Thayer & Co. 123,069; renewed Oct. 8, 1938.
Preparation for headaches, neuralgia, colds, and fever. W. E. Manlove. 361,982; Nov. 8; Serial No. 404,535; published Aug. 16, 1938.
Preparation for hendaches, neuralgia, colds, and fever. W. E. Manlove. 362,026; Nov. 8; Serial No. 407,464; published Aug. 9, 1938.
Preparation for kidney infections and diseases of the allmentary tract. Societe Anonyme Chimie & Atomistique. 362,004; Nov. 8; Serial No. 406,528; published Aug. 23, 1938.
Preparation for relief of dandruff. R. L. Jenkins. 361,980; Nov. 8; Serial No. 404,314; published Aug. 9, 1938.
Preparation for removing adhesive tape. H. J. Moskowitz. 362,047; Nov. 8; Serial No. 408,070; published Aug. 23, 1938.
Preparation for the relief of head colds, catarrh, etc. Spinney Company. 362,086; Nov. 8.
Preparation for the treatment of athlete's foot, ring worm, etc. R and H Medical Co. 362,000; Nov. 8; Serial No. 406,151; published Aug. 23, 1938.
Preparation for the treatment of tuberculosis and consumption. J. Malige. 361,965; Nov. 8; Serial No. 403,512; published Aug. 23, 1938.
Preparation for treatment of sinus infection and hay fever. H. D. Seekamp. 362,022; Nov. 8; Serial No. 407,285; published Aug. 9, 1938.
Preparation used to treat colds and bronchitis. Endo Products, Inc. 362,053; Nov. 8; Serial No. 408,238; published Aug. 9, 1938.
Preparations for angina pectoris, arthritis, sinus, etc. Vincent Christina, Inc. 362,012; Nov. 8; Serial No. 407,007; published Aug. 23, 1938.
Radiator cement, radiator rust preventative, radiator cleaner, etc. Bell Company. 362,048; Nov. 8; Serial No. 408,085; published Aug. 23, 1938.
Salve. M. A. Weil. 362,071; Nov. 8; Serial No. 408,555; published Aug. 23, 1938.
Salve and liniment. R. B. Wright. 362,005; Nov. 8; Serial No. 406,539; published Aug. 16, 1938.
Sodium ethyl xanthate, potassium ethyl xanthate, etc. Great Western Electro-Chemical Company. 361,946; Nov. 8; Serial No. 399,353; published Aug. 16, 1938.
Solution for coating photographic glass plates, etc. Harold M. Pitman Company. 362,079; Nov. 8.
Solvent, Motor gum. Shaler Company. 361,931; Nov. 8; Serial No. 396,751; published Aug. 16, 1938.
Sunburn preparations. F. E. Everson. 361,964; Nov. 8; Serial No. 403,448; published Aug. 23, 1938.
Tablets for relief of pain. F. A. Bockmann. 361,999; Nov. 8; Serial No. 406,088; published Aug. 23, 1938.
Toiletries, Men's. Brunswig Drug Co. 362,062; Nov. 8; Serial No. 408,450; published Aug. 23, 1938.
Tonic, Hemoglobin-forming. United Drug Company. 362,006; Nov. 8; Serial No. 406,608; published Aug. 23, 1938.
Tonic, Nerve. Viver Chemical Company. 362,054; Nov. 8; Serial No. 408,255; published Aug. 16, 1938.
Vitamin and mineral capsules. Halle Bros. Co. 362,032; Nov. 8; Serial No. 407,752; published Aug. 16, 1938.
Vitamin B_1, Synthetic crystalline. Winthrop Chemical Company. 362,029; Nov. 8; Serial No. 407,614; published Aug. 16, 1938.
Vitamin D concentrate. Wisconsin Alumni Research Foundation. 361,947; Nov. 8; Serial No. 399,586; published Aug. 23, 1938.
Vitamin tablet. Health Research Foundation. 361,927; Nov. 8; Serial No. 389,024; published Dec. 28, 1937.
Waving solution, Permanent. C. L. Long. 361,933; Nov. 8; Serial No. 397,540; published Aug. 16, 1938.
Wetting and moistening preparations, finishing preparations, etc. Hart Products Corporation. 362,040; Nov. 8; Serial No. 407,902; published Aug. 9, 1938.

CLASS 12

Wall facings, Artificial stone. Lasting Products Company. 362,093; Nov. 8.

CLASS 13

Screws, Hollow-head set. Mac-It Parts Company. 361,977; Nov. 8; Serial No. 404,051; published Aug. 30, 1938.

CLASS 14

Metals, Antifriction. Dixie Bronze Company. 362,084; Nov. 8.

CLASS 15

Lubricants. Keystone Lubricating Company. 124,670; renewed Mar. 11, 1939.
Oils and greases, Lubricating. Crew Levick Company. 123,572; renewed Nov. 19, 1938.
Oils, Fuel and heating. Royal Petroleum Corporation. 362,106; Nov. 8.
Waxes, Mineral. Smith & Nichols, Inc. 122,826; renewed Sept. 17, 1938.

CLASS 16

Paint. Surface-Proofing Products, Inc. 362,027; Nov. 8; Serial No. 407,509; published Aug. 30, 1938.
Paints, paint enamels, stains, etc. H. B. Davis Co. 362,017; Nov. 8; Serial No. 407,058; published Aug. 30, 1938.
Paints, Ready-mixed. Cook Paint & Varnish Company. 362,082; Nov. 8.
Varnishes, lacquers, and paint enamels, Clear. Marietta Paint & Color Co. 362,046; Nov. 8; Serial No. 408,069; published Aug. 30, 1938.

CLASS 17

Cigarettes. Philip Morris & Co. Ltd. 362,107; Nov. 8.

CLASS 19

Automobile-tops, Convertible. Rex Manufacturing Company. 123,278; renewed Oct. 22, 1938.

CLASS 21

Clips, Connecting. Mueller Electric Company. 362,030; Nov. 8; Serial No. 407,635; published Aug. 30, 1938.
Dials, Radio tuning. Kingston Radio Company. 361,943; Nov. 8; Serial No. 398,906; published Aug. 30, 1938.
Display devices, Electrically illuminated advertising. E. J. Hayden. 361,997; Nov. 8; Serial No. 405,989; published Aug. 30, 1938.
Electric generator apparatus, Wind-driven. Parris-Dunn Corporation. 362,052; Nov. 8; Serial No. 408,203; published Aug. 30, 1938.

CLASS 23

Fire extinguishers. Warr Fire Extinguisher Company. 361,950; Nov. 8; Serial No. 400,077; published July 12, 1938.
Hair removing devices. American Safety Razor Corporation. 361,937; Nov. 8; Serial No. 398,144; published Aug. 30, 1938.
Lubricating equipment, apparatus, and machinery. Gray Company. 361,987–8; Nov. 8; Serial Nos. 404,940–1; published Aug. 30, 1938.
Tire treating and treading machines, etc. Peco Manufacturing Corporation. 362,077; Nov. 8.

CLASS 26

Glasses, telescopes, magnifying glasses, etc., Field. C. Hensoldt. 361,952; Nov. 8; Serial No. 400,416; published Aug. 30, 1938.
Objectives and light filters. C. Zeiss. 362,050; Nov. 8; Serial No. 408,179; published Aug. 30, 1938.

CLASS 27

Time recorders and time stamps, Watchmen's. Dorson Corporation. 362,104; Nov. 8.

CLASS 30

Table ware, earthen ware, etc., Ceramic. Gladding McBean & Co. 361,963; Nov. 8; Serial No. 403,409; published Aug. 30, 1938.

CLASS 32

Tables. Brewer-Titchener Corporation. 361,959; Nov. 8; Serial No. 401,847; published Aug. 9, 1938.

CLASS 33

Glass table ware and glass bar ware. United States Glass Co. 361,972; Nov. 8; Serial No. 403,799; published Aug. 30, 1938.
Glass table ware and glass bar ware. United States Glass Co. 361,973; Nov. 8; Serial No. 403,801; published Aug. 30, 1938.
Jars and bottles, Glass. Owens-Illinois Pacific Coast Company. 362,089; Nov. 8.

CLASS 34

Burners, Oil. Home Oil Heating Company. 362,010; Nov. 8; Serial No. 406,716; published Aug. 30, 1938.
Furnaces, Metal treating. Lindberg Engineering Co. 361,948; Nov. 8; Serial No. 399,841; published Aug. 30, 1938.
Lamp bodies, candlesticks, candle holders, etc. Lenox, Incorporated. 361,968; Nov. 8; Serial No. 403,656; published Aug. 30, 1938.
Stokers, Coal. Butler Manufacturing Company. 361,951; Nov. 8; Serial No. 400,364; published Aug. 30, 1938.
Stoves, ranges, and heaters using gas fuel. Rollman & Sons Co. 362,001; Nov. 8; Serial No. 406,153; published Aug. 30, 1938.

CLASS 35

Tires and inner tubes. Norwalk Tire & Rubber Company. 362,021; Nov. 8; Serial No. 407,197; published July 26, 1938.

CLASS 36

Band instruments. L. Sorkin. 362,094; Nov. 8.

CLASS 37

Prescription-blanks. Portland Label Co. 123,155; renewed Oct. 15, 1938.

CLASS 38

House organ. E. L. Patch Company. 124,576; renewed Feb. 25, 1939.
Publication. Technical Publishing Company. 125,103; renewed Apr. 8, 1939.

CLASS 39

Clothing. Rice-Stix Dry Goods Company. 124,762; renewed Mar. 11, 1939.
Clothing, Boys' and men's. Cleland Simpson Company. 362,081; Nov. 8.
Coats and suits, Women's and misses'. Philip Shlansky & Bro., Inc. 362,098; Nov. 8.
Collars and shirts. Cluett, Peabody & Co. 362,100; Nov. 8.
Nightgowns and pajamas. Lande & Miskend, Inc. 362,083; Nov. 8.
Overcoats. S. Weitz & Company. 362,101; Nov. 8.
Trousers, slacks, and pajamas, Women's. H. M. Birch. 362,080; Nov. 8.

CLASS 40

Snap-fasteners and placket-fasteners. Federal Snap Fastener Corporation. 124,525–6; renewed Feb. 25, 1939.
Snap-fasteners and placket-fasteners. Federal Snap Fastener Corporation. 124,704; renewed Mar. 11, 1939.

CLASS 42

Fabrics, Cotton pile. Merrimack Manufacturing Company. 362,097; Nov. 8.
Fabrics in the piece. Duplan Silk Corporation. 362,037; Nov. 8; Serial No. 407,854; published Aug. 30, 1938.
Goods in the piece. N. Finegelman & Co. 362,009; Nov. 8; Serial No. 406,680; published Aug. 30, 1938.
Lace. Goodman & Dessauer, Inc. 362,024; Nov. 8; Serial No. 407,313; published Aug. 30, 1938.
Pads of jute and hair. Tingue, Brown & Co. 362,019; Nov. 8; Serial No. 407,116; published Aug. 30, 1938.
Piece goods. Pond Lily Company. 362,067; Nov. 8; Serial No. 408,508; published Aug. 30, 1938.
Piece goods. Ryan Converting Corporation. 362,078; Nov. 8.
Woolen and worsted piece goods. D. W. Farnsworth. 362,043; Nov. 8; Serial No. 408,016; published Aug. 30, 1938.
Woolen piece goods. Parker, Wilder & Co. 361,976; Nov. 8; Serial No. 404,014; published Aug. 30, 1938.

CLASS 44

Dental appliances; and corrective appliances, Restorative. Vernon-Benshoff Company. 362,016; Nov. 8; Serial No. 407,044; published Aug. 30, 1938.
Dentures. J. P. Swann. 362,065; Nov. 8; Serial No. 408,479; published Aug. 30, 1938.
Electrotechnical apparatus for medical and surgical purposes. N. G. Schönander. 362,090; Nov. 8.
Gauze, Adhesive. Modern necessities. 362,095; Nov. 8.

CLASS 45

Beverages, and sirups and extracts for making the same. Red Rock Co. 362,075; Nov. 8; Serial No. 408,763; published Aug. 30, 1938.
Beverages, and syrups, extracts, and flavors used in making the same. E. Mascolo. 362,025; Nov. 8; Serial No. 407,438; published Aug. 30, 1938.
Beverages, and syrups, extracts, and flavors used in making the same. Miscoe Spring Water Company. 362,073; Nov. 8; Serial No. 408,616; published Aug. 30, 1938.
Beverages, and syrups, extracts, and flavors used in making the same. J. A. Schiruska. 362,070; Nov. 8; Serial No. 408,550; published Aug. 30, 1938.

CLASS 46

Bacon. J. Codman. 361,929; Nov. 8; Serial No. 393,319; published Aug. 30, 1938.
Biscuits, cakes, crackers, etc. S. H. Kress and Company. 362,076; Nov. 8.
Candy. Williamson Candy Company. 362,041; Nov. 8; Serial No. 407,965; published Aug. 30, 1938.
Canned fish. C. Borgen Packing Co. Aktieselskap. 361,925; Nov. 8; Serial No. 384,734; published June 8, 1937.
Canned food for dogs, cats, etc. Atlas Canning Company. 361,991; Nov. 8; Serial No. 405,053; published Aug. 30, 1938.
Canned goods. Berdan Company. 123,319; renewed Oct. 29, 1938.

Canned vegetables. Central Wisconsin Canneries. 361,930; Nov. 8; Serial No. 303,692; published Aug. 30, 1938.
Canned vegetables, canned oysters, and canned berries. W. C. Kimbrough. 361,934; Nov. 8; Serial No. 397,975; published Aug. 30, 1938.
Flour, bread, muffins, etc. Roy A. Hunter. 361,926; Nov. 8; Serial No. 385,098; published Aug. 30, 1938.
Flour, Wheat. Midland Flour Milling Company. 361,996; Nov. 8; Serial No. 405,778; published Aug. 30, 1938.
Flour, Wheat. Standard Milling Company. 361,938–9; Nov. 8; Serial Nos. 398,375–6; published Aug. 30, 1938.
Fruits and dates, Fresh citrus. M. K. Magaw. 362,096; Nov. 8.
Fruits, Fresh citrus. Riverside Citrus Ass'n. 362,085; Nov. 8.
Fruits, Fresh citrus. Weslaco Citrus Association. 361,957; Nov. 8; Serial No. 401,634; published Aug. 30, 1938.
Lard substitute. Armstrong Packing Company. 123,966; renewed Dec. 31, 1938.
Meats; and sausage, boiled ham, etc., Smoked. Oscar Mayer & Company. 361,936; Nov. 8; Serial No. 398,117; published Aug. 30, 1938.
Meat products. Laclede Packing Company. 362,103; Nov. 8.
Peanuts, peanut butter. Crescent Nut & Chocolate Co. 362,028; Nov. 8; Serial No. 407,578; published Aug. 30, 1938.
Popcorn in its natural state. W. Yarling. 361,960; Nov. 8; Serial No. 402,393; published Aug. 30, 1938.
Tea. Park & Tilford. 124,987; renewed Apr. 1, 1939.
Turkeys, ready to serve. J. Brown. 361,970; Nov. 8; Serial No. 403,751; published Aug. 30, 1938.
Vegetable agent. Gilmour Bros. & Company. 361,954; Nov. 8; Serial No. 400,502; published Aug. 30, 1938.
Vegetables, Fresh. La Brea Securities Co. 361,990; Nov. 8; Serial No. 405,027; published Aug. 30, 1938.

CLASS 47

Sherry, claret, burgundy, etc. Austin, Nichols & Co. 361,969; Nov. 8; Serial No. 403,712; published Aug. 30, 1938.
Wines. Paul Masson Champagne Company. 362,014; Nov. 8; Serial No. 407,027; published Aug. 30, 1938.
Wines. Joseph E. Phelan, Inc. 361,956; Nov. 8; Serial No. 401,447; published Aug. 30, 1938.
Wines. Roma Wine Company. 361,966; Nov. 8; Serial No. 403,563; published Aug. 30, 1938.

CLASS 48

Beer. Reno Brewing Company. 362,064; Nov. 8; Serial No. 408,476; published Aug. 30, 1938.

CLASS 49

Whiskey. Ben-Burk, Inc. 361,958; Nov. 8; Serial No. 401,806; published Feb. 15, 1938.
Whiskies, gins, and alcoholic cordials, Kraus Bros. & Co. 362,105; Nov. 8.

LIST OF LABELS

A. R. P. I. Process Vitamin Concentrated Vitamin D in Evaporated Milk. For a Concentrated Sterilized Preparation of Activated Ergosterol, A. R. P. I. Process, in Unsweetened Evaporated Milk for Use in Fortifying Fluid Milk and Other Food Products. General Mills, Inc. 52,039; Nov. 8.
A. R. P. I. Process Vitamin Concentrated Vitamin D in Evaporated Milk. For a Concentrated, Sterilized Preparation of Activated Ergosterol, A. R. P. I. Process, in Unsweetened Milk for Use in Fortifying Milk and Other Food Products. General Mills, Inc. 52,040; Nov. 8.
A. R. P. I. Process Vitamin Concentrated Vitamin D in Evaporated Milk. For a Concentrated Sterilized Preparation of Activated Ergosterol A. R. P. I. Process, in Unsweetened Evaporated Milk for Use in Fortifying Bread and Other Food Products. General Mills, Inc. 52,041; Nov. 8.
Chesterton. For Beer. Burlington Brewing Company. 52,037; Nov. 8.
Gast Golden Lager. For Lager Beer. Gast Bottling Corp. 52,038; Nov. 8.
Grafo-Plating. For a Heat Resisting Lubricant. Grafo Mfg. Co. 52,042; Nov. 8.
Hostess. For California Sherry. Tenner Brothers. 52,059; Nov. 8.
Hudson's Compound. For a Compound Used as a Vaginal Douche. F. L. Hudson. 52,044; Nov. 8.
Johnson's Perfectone White Gloss Enamel. For Enamel. S. C. Johnson & Son, Inc. 52,046; Nov. 8.
Jolly Gulp. For Frozen Confections. Pectin Industries, Inc. 52,048; Nov. 8.
My-T-Fine. For a Mixture of Sugar, Cornstarch, Cocoa, Nuts, Salt and Vanilla for Making a Nut Chocolate Flavor Dessert. Penick & Ford, Ltd. Incorporated. 52,049; Nov. 8.
My-T-Fine. For a Mixture of Sugar, Cornstarch, Salt, Vanilla and U. S. Certified Food Color for Making a Vanilla Flavor Dessert. Penick & Ford, Ltd. Incorporated. 52,050; Nov. 8.
My-T-Fine. For a Mixture of Sugar, Cornstarch, Salt, Flavoring and U. S. Certified Food Color for Making a Butterscotch Flavor Dessert. Penick & Ford, Ltd. Incorporated. 52,051; Nov. 8.
My-T-Fine. For a Mixture of Sugar, Cornstarch, Cocoa, Salt and Vanillin for Making a Chocolate Flavor Dessert. Penick & Ford, Ltd. Incorporated. 52,052; Nov. 8.
Pablum. For Pre-Cooked Cereal Mixture, Vitamin and Mineral Enriched. Mead Johnson & Company. 52,045; Nov. 8.
"Quick" Solvent. For a Solvent Especially Prepared for the Removal of Lime and Rust from the Radiator and Block of Automotive Cooling Systems. J. I. Penny. 52,053; Nov. 8.
Randy Mactaggart Blended Scotch Type Whisky. For Whisky. D. J. Bielzoff Products Co. 52,035; Nov. 8.
Rentschlerizing. For Meats. Westinghouse Electric & Manufacturing Company. 52,062; Nov. 8.
Robbs Popcorn. For Fancy Selected South American Variety Pop-Corn. D. N. Robertson. 52,055; Nov. 8.
Robbs Popcorn Seasoning. For Pop-Corn Seasoning. D. N. Robertson. 52,054; Nov. 8.
Rolle Instant Tea Concentrate. For a Tea Concentrate. Vegetable Juices, Inc. 52,061; Nov. 8.
Scottissue Towels. For Paper Towels. Scott Paper Company. 52,057; Nov. 8.
Shelling. For a Lotion. Gloria Bristol, Ltd. 52,036; Nov. 8.
Sprayette The Fountain of Youth for Your Hair. For a Hair Reviver. J. B. Jones. 52,047; Nov. 8.
Tax-Teller Alarm. For Rental Receipts. V. J. Salaway. 52,056; Nov. 8.
Tea Garden Mango Chutney. For Mango Chutney. Tea Garden Products Co. 52,058; Nov. 8.
Tyrolean. For Lager Beer. Robert H. Graupner, Inc. 52,043; Nov. 8.
Vanex. For a Mixture of Aromatic Flavoring Materials. Guaranteed Not to Bake, Boil or Freeze Out. Vanex, Inc. 52,060; Nov. 8.
Whitaker's Blue Point. For Cigars. J. F. Whitaker. 52,063; Nov. 8.
V. V. O. For California Grape Brandy. Wine Corporation of America. 52,064; Nov. 8.

LIST OF PRINTS

Application of Wonder Weld. For a Boiler Compound. Miller Manufacturing Co. 17,112; Nov. 8.
For Social Security. For Liquid Body Deodorant, Cream Body Deodorant, Antiseptic Mouth Wash, Tooth Powder, Tooth Paste, Sanitary Napkins, Hair Shampoo, Hair Tonic, Hand Lotion, Soap, Bath Salts and Chewing Gum. Meldrum and Fewsmith, Inc. 17,111; Nov. 8.
Give Your Hand and Brain the Same Chance That Others Give Theirs. For Fountain Pens, Mechanical Pencils and Ink. Parker Pen Company. 17,113; Nov. 8.
Lip Lure—The Liquid Lipstick. For Lipsticks. Lip Lure Inc. 17,109; Nov. 8.
Little Oscar. For Wieners. Oscar Mayer & Company. 17,110; Nov. 8.
Our Copy Clicks. For Advertising Copy. M. Goldberg. 17,107; Nov. 8.
Rex Coupon System. For a Mineral Cleanser and Water Softener. W. J. Berger. 17,106; Nov. 8.
The Audi-Gram. For a Nasal Apparatus for Insufflation of the Eustachian Tubes in Catarrhal Deafness. J. C. Ross. 17,114; Nov. 8.
William Jameson Irish American Brand Whiskey. For Whiskey. William Jameson & Company, 17,108; Nov. 8.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 8TH DAY OF NOVEMBER, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Brewster, Morris B., Co. Inc. (See White, William H., assignor.)
Claude, André, Nanterre, assignor to Société Anonyme pour les Applications de l'Electricite et des Gaz Rares Etablissements Claud-Paz & Silva, Paris, France. Discharge tube. Re. 20,909; Nov. 8.
General Auto Parts Corporation. (See Rockwell, Edward A., assignor.)
Hoe, R., & Co. (See White, Bruce C., assignor.)
Irving Trust Company, trustee. (See White, Bruce C.)
Rockwell, Edward A., Chicago, Ill., assignor, by mesne assignments, to General Auto Parts Corporation. Fluid pressure brake. Re. 20,910; Nov. 8.
Rydquist, Adolph, assignor to The Schlegel Manufacturing Company, Rochester, N. Y. Window channel. Re. 20,911; Nov. 8.
Schlegel Manufacturing Company, The. (See Rydquist, Adolph, assignor.)
Société Anonyme pour les Applications de l'Electricite et des Gaz Rares Etablissements Claud-Paz & Silva. (See Claude, André, assignor.)
White, Bruce C., deceased, by Irving Trust Company, trustee for R. Hoe & Co., Inc., assignee; assignor to R. Hoe & Co. Inc., New York, N. Y. Roll changer for printing presses. Re. 20,912; Nov. 8.
White, William H., Roanoke, Va., assignor to Morris B. Brewster Co. Inc., Chicago, Ill. Track sander. Re. 20,913; Nov. 8.

LIST OF PLANT PATENTEES

Meilland, Francis, Tassin-les-Lyon, France, assignor to The Conard-Pyle Company, West Grove, Pa. Rose. 303; Nov. 8.
Conard-Pyle Company, The. (See Meilland, Francis, assignor.)
Aicardi, Domenico, San Remo, Italy, assignor to Jackson & Perkins Company, Newark, N. Y. Rose. 304; Nov. 8.
Jackson & Perkins Company. (See Aicardi, Domenico, assignor.)

LIST OF DESIGN PATENTEES

Abbate, Jacob, New York, N. Y. Dress. 112,098; Nov. 8.
American Fabrics Company, The. (See Merriman, John, assignor.)
American Seating Company. (See Bond, Willard H., Jr., assignor.)
Arens, Egmont, New York, N. Y., assignor to Atlas Supply Company. Battery case. 112,099; Nov. 8.
Arens, Egmont, New York, N. Y., assignor to Atlas Supply Company. Battery case. 112,100; Nov. 8.
Atlas Supply Company. (See Arens, Egmont, assignor.)
Ash, Charles S., Milford, assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. 112,101; Nov. 8.
Bandrimer, Pinkus, and J. Perloff, Brooklyn, N. Y. Table. 112,035; Nov. 8.
Bauer, Bernard, and E. Steiner, New York, N. Y. Brooch or similar article. 112,036; Nov. 8.
Bell Telephone Laboratories, Incorporated. (See Lum, G. R., assignor, and Mell.)
Bishop, Leonard J., assignor to Mechanical Handling Systems, Inc., Detroit, Mich. Power transmitting unit. 112,102; Nov. 8.
Bohland, Gustav, Miami Beach, Fla. Souvenir key. 112,050; Nov. 8.
Bond, Willard H., Jr., East Grand Rapids, assignor to American Seating Company, Grand Rapids, Mich. Chair. 112,051; Nov. 8.
Boysen, George M., Philadelphia, Pa. Lace. 112,138; Nov. 8.
Brandeis, Sidney, assignor to Continental Glass Corporation, Chicago, Ill. Glass bottle. 112,103; Nov. 8.
Calderazzo, Dominick J., Brooklyn, N. Y. Shoe. 112,052; Nov. 8.
Cerrina, Sebastian, New York, N. Y. Table knocker. 112,053; Nov. 8.
Chesler, Isidor, Oceanport, N. J., assignor to Eagle Pencil Company, New York, N. Y. Combined eraser and pencil tip. 112,037; Nov. 8.
Christian, Anthony J., Chicago, Ill. Casket. 112,054; Nov. 8.
Coleman Lamp & Stove Company. (See Tullis, Boyd W., assignor.)
Continental Cushion Spring Company. (See Roberts, George M., assignor.)
Continental Glass Corporation. (See Brandeis, Sidney, assignor.)
Cooper, David, Brooklyn, N. Y. Clip or similar article. 112,038; Nov. 8.
Craighead, John R., Denver, Colo. Scarf holder. 112,055; Nov. 8.
Crosby, Harry E., Los Angeles, Calif. Beverage dispenser. 112,039; Nov. 8.
Crossett, Sidney M. (See Rittenhouse, L., and Crossett.)
De Lancey, Warren H. (See Grimmelsen, H. O., Leitch, and De Lancey.)
Delman, Herman B., New York, N. Y. Shoe. 112,056; Nov. 8.
Delman, Herman B., New York, N. Y. Shoe. 112,057; Nov. 8.
Delman, Herman B., New York, N. Y. Shoe. 112,058; Nov. 8.
Delphian Society, The. (See Swoboda, Jean B., assignor.)
Didio, John, Buffalo, N. Y. Knife. 112,059; Nov. 8.
Donahue, Patrick F., Waterville, assignor to Scovill Manufacturing Company, Waterbury, Conn. Ice cream disher. 112,040; Nov. 8.
Donchian, Paul S., Hartford, Conn. Plaque or similar article. 112,060; Nov. 8.
Dunham, Thomas M., Aurora, Ill. Display table or similar article. 112,041; Nov. 8.
E. A. Laboratories, Inc. (See Meyerhoefer, Carl E., assignor.)
Eagle Pencil Company. (See Chesler, Isidor, assignor.)
Edson, Bert, Pawtucket, R. I. Lace. 112,139; Nov. 8.
Edson, Bert, Pawtucket, R. I. Lace. 112,140; Nov. 8.
Edson, Bert, Pawtucket, R. I. Lace. 112,141; Nov. 8.
Edson, Bert, Pawtucket, R. I. Lace. 112,142; Nov. 8.
Edson, Bert, Pawtucket, R. I. Lace. 112,143; Nov. 8.
Electrical Testing Laboratories. (See Poeter, H. R., and Ormston, assignors.)
Electrical Testing Laboratories. (See Helmer, Dorothy G., assignor.)
Electrical Testing Laboratories. (See Higgins, Jane, assignor.)
Electrical Testing Laboratories. (See Shepard, Dorothy, assignor.)
Electrical Testing Laboratories. (See Simpson, Dorothy M., assignor.)
Erhard, Gustave F., Scranton, Pa. Curtain or similar article. 112,104; Nov. 8.
Erhard, Gustave F., Scranton, Pa. Curtain or similar article. 112,105; Nov. 8.
Erhard, Gustave F., Scranton, Pa. Curtain or similar article. 112,106; Nov. 8.
Erhard, Gustave F., Scranton, Pa. Curtain or similar article. 112,107; Nov. 8.
Forstmann, Curt E., Montclair, N. J. Textile fabric. 112,108; Nov. 8.
Forstmann, Curt E., Montclair, N. J. Textile fabric. 112,109; Nov. 8.
Forstmann, Curt E., Montclair, N. J. Textile fabric. 112,110; Nov. 8.
Freysinger, John B., New Britain, Conn. Buckle. 112,061; Nov. 8.
Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Condiment shaker. 112,062; Nov. 8.
Fuller, Paul M., Chicago, Ill., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Phonograph cabinet. 112,111; Nov. 8.
Funk, Truman B., assignor to "Yard-Man," Inc., Jackson, Mich. Lawn mower handle. 112,112; Nov. 8.
Gantner & Mattern Company. (See Gantner, Vallejo, assignor.)
Gantner, Vallejo, Hollywood, assignor to Gantner & Mattern Company, San Francisco, Calif. Textile Fabric. 112,113; Nov. 8.
Gilbert & Barker Manufacturing Company. (See Grimmelsen, H. O., Leitch, and De Lancey, assignors.)
Gorham Manufacturing Company. (See Price, James R., assignor.)

Grieve, Robert A., Denver, Colo. Monument. 112,063; Nov. 8.
Grimmelsen, Herman O., West Springfield, W. C. Leitch, Longmeadow, and W. H. De Lancey, Springfield, assignors to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Casing for liquid dispensing apparatus. 112,064; Nov. 8.
Hanson, Martin, Chicago, Ill. Chest or similar article. 112,114; Nov. 8.
Harton, J. Edney. (See Rominger, Herbert H., assignor.)
Helander, Lillian V. M., assignor to International Silver Company, Meriden, Conn. Spoon or other article of flatware. 112,065; Nov. 8.
Helmer, Dorthy G., Indianapolis, Ind., assignor to Electrical Testing Laboratories, New York, N. Y. Table lamp. 112,066; Nov. 8.
Higgins, Jane, Riverside, R. I., assignor to Electrical Testing Laboratories, New York, N. Y. Combined base and pedestal for table lamps. 112,067; Nov. 8.
Hoeter, Frederick W., New York, N. Y. Bottle pourer. 112,115; Nov. 8.
Holden, Dean H., Cleveland, Ohio. Electric lighting fixture. 112,068; Nov. 8.
Horstman, John H. (See Huffman, H. M., Jr., and Horstman.)
Houde Engineering Corporation. (See Peo, Ralph F., assignor.)
Huffman, Horace M., Jr., and J. H. Horstman, assignors to The Huffman Manufacturing Company, Dayton, Ohio. Bicycle. 112,069; Nov. 8.
Huffman Manufacturing Company, The. (See Huffman, H. M., Jr., and Horstman, assignors.)
International Shoe Company. (See Jordan, Leo J., assignor.)
International Silver Company. (See Helander, Lillian V. M., assignor.)
James Manufacturing Company. (See Jones, W. H., Markey, and Olson, assignors.)
Johansson, Ernst, Jr., Hoboken, N. J. Lobster fork. 112,042; Nov. 8.
Jones, David. (See Smith, C. H., and Jones.)
Jones, Willard H., G. T. Markey, and J. B. Olson, assignors to James Manufacturing Company, Fort Atkinson, Wis. Rabbit battery. 112,070; Nov. 8.
Jordan, Leo J., Pasadena Park, assignor to International Shoe Company, St. Louis, Mo. Shoe. 112,144; Nov. 8.
Kalmon, Morris, New York, N. Y. Shoe. 112,071; Nov. 8.
Kaplan, Alice S., New York, N. Y. Dress. 112,116; Nov. 8.
Kaplan, Eugene, Boston, Mass. Building. 112,072; Nov. 8.
Kelsey-Hayes Wheel Company. (See Ash, Charles S., assignor.)
Klepper, Ely, New York, N. Y. Coat. 112,117; Nov. 8.
Kostellow, Rowena R., assignor to United States Glass Company, Pittsburgh, Pa. Water jug or similar article. 112,043; Nov. 8.
Lachter, Saul L., Maplewood, N. J. Spectacle case. 112,073; Nov. 8.
Leitch, Walter C. (See Grimmelsen, H. O., Leitch, and De Lancey.)
Levin, David, New York, N. Y. Shoe. 112,074; Nov. 8.
Levin, David, New York, N. Y. Shoe or similar article. 112,075; Nov. 8.
Levin, David, New York, N. Y. Shoe. 112,076; Nov. 8.
Levin, David, New York, N. Y. Shoe or similar article. 112,077; Nov. 8.
Lewin, Arthur, New York, N. Y. Wrapping paper. 112,118; Nov. 8.
Lewis, James V., Kansas City, Mo. Shoe skate clog. 112,078; Nov. 8.
Lindberg, John F., Chicago, Ill. Parking meter casing or similar article. 112,079; Nov. 8.
Loewy, Raymond, New York, N. Y., assignor to Sears, Roebuck and Co., Chicago, Ill. Refrigerator cabinet. 112,080; Nov. 8.
Lorman, Philip, New York, N. Y. Shoe. 112,081.
Lum, George R., New York, N. Y. and A. L. Mell, Chicago, Ill., said Lum assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., and said Mell assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus cover. 112,119; Nov. 8.
MacGregor, Charles G., Lynn, Mass. Rowboat. 112,120; Nov. 8.
Markey, George T. (See Jones, W. H., Markey, and Olson.)
Maxant, William T., Ayer, Mass. Pinking machine. 112,121; Nov. 8.
McGarry, Bernard J., New York, N. Y. Cottage. 112,082; Nov. 8.
Mechanical Handling Systems, Inc. (See Bishop, Leonard J., assignor.)
Megibow, George, New York, N. Y. Textile fabric. 112,122; Nov. 8.
Melia, Harry F., New York, N. Y. Tablecloth or similar article. 112,083; Nov. 8.
Mell, Alfred L. (See Lum G. R., and Mell.)
Merriman, John, Norwalk, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. 112,123; Nov. 8.
Meyerhoefer, Carl E., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Heater casing. 112,124; Nov. 8.
Mitchell, Celia, New York, N. Y. Dress. 112,125; Nov. 8.
Moore, Donald L., Racine, Wis. Lamp. 112,084; Nov. 8.
Morris, Julia, New York, N. Y. Textile fabric. 112,126; Nov. 8.
Morris, Julia, New York, N. Y. Textile fabric. 112,127; Nov. 8.
Olson, John B. (See Jones, W. H., Markey, and Olson.)
Ormston, Harry E. (See Poeter, H. R., and Ormston.)
Owens-Illinois Glass Company. (See Fuerst, Edwin W., assignor.)
Owens-Illinois Glass Company. (See Smith, C. H., and Jones, assignors.)
Parker, Eugene, Los Angeles, Calif. Tile. 112,044; Nov. 8.
Peo, Ralph F., assignor to Houde Engineering Corporation, Buffalo, N. Y. Combined automobile gear shift hand selector and handle, or similar article. 112,128; Nov. 8.
Perloff, Joseph. (See Bandrimer, P., and Perloff.)
Perugia, Andre, Paris, France. Shoe or similar article. 112,085; Nov. 8.
Perugia, Andre, Paris, France. Shoe or similar article. 112,086; Nov. 8.
Poeter, Horace R., and H. E. Ormston, Washington, D. C., assignors to Electrical Testing Laboratories, New York, N. Y. Lamp base. 112,087; Nov. 8.
Pohl, Ernest F., assignor to Steem-Electric Corporation, St. Louis, Mo. Steam-electric pressing iron. 112,129; Nov. 8.
Price, James R., Cranston, assignor to Gorham Manufacturing Company, Providence, R. I. Spoon or other article of flatware. 112,130; Nov. 8.
Reed, Daniel E., assignor to Yankee Metal Products Corp., Norwalk, Conn. Electric switch unit. 112,131; Nov. 8.
Reutter, Carl. (See Robinson, F. A., and Reutter.)
Rittenhouse, A. E., Co., The. (See Rittenhouse, L., and Crossett, assignors.)
Rittenhouse, Lloyd, Honeoye Falls, and S. M. Crossett, Rochester, assignors to The A. E. Rittenhouse Co., Inc., Honeoye Falls, N. Y. Signal device. 112,088; Nov. 8.
Roberts, George M., assignor to Continental Cushion Spring Company, Chicago, Ill. Child's chair. 112,045; Nov. 8.
Roberson, Willard D., New York, N. Y. Textile fabric. 112,132; Nov. 8.
Robinson, Frank A., and C. Reutter, North Beverly, Mass. Illuminable traffic signal. 112,089; Nov. 8.
Rominger, Herbert H., assignor to J. E. Harton, Oakland, Calif. Twine holder. 112,046; Nov. 8.
Rundles, Earl, Cincinnati, Ohio. Toy projector gun. 112,090; Nov. 8.
Schlappritzi, Edward W., Minneapolis, Minn. Bedspring. 112,047; Nov. 8.
Scovill Manufacturing Company. (See Donahue, Patrick F., assignor.)
Sears, Roebuck and Co. (See Loewy, Raymond, assignor.)
Shepard, Dorothy, Providence, R. I., assignor to Electrical Testing Laboratories, New York, N. Y. Combined base and column for lamps. 112,091; Nov. 8.
Shotland, Abraham, New York, N. Y. Coat. 112,133; Nov. 8.
Shotland, Abraham, New York, N. Y. Coat. 112,134; Nov. 8.
Signaloff, Samuel J., Long Island City, N. Y. Guide chart or similar article. 112,092; Nov. 8.
Simpson, Dorthy M., Providence, R. I., assignor to Electrical Testing Laboratories, New York, N. Y. Table lamp. 112,093; Nov. 8.
Smith, Carl H., and D. Jones, Muncie, Ind., assignors to Owens-Illinois Glass Company, Toledo, Ohio. Hollow glass building block. 112,048; Nov. 8.
Spear, Alfred, Providence, R. I. Display form. 112,094; Nov. 8.
Steem-Electric Corporation. (See Pohl, Ernest F., assignor.)
Steiner, Ernest. (See Bauer, B., and Steiner.)
Swoboda, Jean B., assignor to The Delphian Society, Chicago, Ill. Badge or similar article. 112,049; Nov. 8.
Teletype Corporation. (See Lum, G. R., and (Mell assignor).)
Tullis, Boyd W., assignor to Coleman Lamp & Stove Company, Wichita, Kans. Cook stove. 112,135; Nov. 8.
Tupper, Arthur H., New York, N. Y. Shoe. 112,095; Nov. 8.
Tupper, Arthur H., New York, N. Y. Shoe. 112,096; Nov. 8.
Turpan, Mark, West Englewood, N. J. Textile fabric or similar article. 112,136; Nov. 8.
United States Glass Company. (See Kostellow, Rowena R., assignor.)
Vosbikian, Peter S. (See Vosbikian, Thomas S. and P. S.)
Vosbikian, Thomas S. and P. S., Philadelphia, Pa. Auxiliary guard for automobile bumpers. 112,137; Nov. 8.
Worthington, Everett, New York, N. Y. Bottle inspection machine. 112,097; Nov. 8.
Wurlitzer, Rudolph, Company, The. (See Fuller, Paul M., assignor.)
Yankee Metal Products Corp. (See Reed, Daniel E., assignor.)
"Yard-Man," Inc. (See Funk, Truman B., assignor.)

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 8TH DAY OF NOVEMBER, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Edward J., assignor to Abbott Machine Company, Wilton, N. H. Machine for preparing yarn packages. 2,135,485; Nov. 8.
Abbott Machine Company. (See Abbott, Edward J., assignor.)
Acco Products, Inc. (See Kern, Emil, assignor.)
Ace Glass Incorporated. (See Luertzing, Walter O., assignor.)
Acklin Stamping Company, The. (See Smith, Harry F., assignor.)
Adair, Dorothy W., New York, N. Y. Corselet. 2,135,931; Nov. 8.
Adams, William J., Santa Cruz, assignor to W. J. Adams, Inc., Stockton, Calif. Wagon scraper. 2,136,203; Nov. 8.
Adams, W. J., Inc. (See Adams, William J., assignor.)
Addink, Nicolaas W. H., J. H. de Boer, P. M. V. Alphen, and G. Zecher, Eindhoven, Netherlands, assignors to General Electric Company. Gaseous electric discharge lamp device. 2,135,690; Nov. 8.
Addy, George W. (See Baldwin, G. J., and Addy.)
Agfa Ansco Corporation. (See Goldhammer, Leo, assignor.)
Agren, Ernst M., Stockholm, Sweden, assignor to Pulvis Aktiengesellschaft, Glarus, Switzerland. Packing device for rotary elements. 2,135,654; Nov. 8.
Air-Way Electric Appliance Corporation. (See Dow, Dewey M., assignor.)
Air-Way Electric Appliance Corporation. (See Voorhees, Leonard B., assignor.)
Aktiebolaget Formator. (See Granstedt, Karl E., assignor.)
Aktiebolaget Rosenblads Patenter. (See Rosenblad, Curt F., assignor.)
Alexander, John D., Cleveland, Ohio, assignor to American Foundry Equipment Company, Mishawaka, Ind. Method and apparatus for cleaning by abrasive action. 2,135,550; Nov. 8.
Alger, Lee M. (See Dukelow, A., and Alger.)
Allen, Thomas F., Watsonville, Calif. Handling harvesting apparatus. 2,136,068; Nov. 8.
Allergia Products Company. (See Berenson, Julius L., assignor.)
Almdale, Einar, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Chassis side rail. 2,136,122; Nov. 8.
Almond, Lawrence H., Nashville, Tenn. Separating elemental phosphorus from impurities. 2,135,486; Nov. 8.
Alphen, Pieter M. V. (See Addink, N. W. H., de Boer, Alphen, and Zecher.)
Altemus, James D., Roslyn, N. Y. Trap and mounting therefor. 2,136,034; Nov. 8.
Altemus, James D., Roslyn, and A. W. R. J. Moeller, New York, N. Y.; said Moeller assignor to said Altemus. Trap mounting. 2,136,035; Nov. 8.
Alterthum, Hans, and M. Pirani, Berlin-Wilmersdorf, Germany, assignors to General Electric Company. Gaseous electric discharge device. 2,135,691; Nov. 8.
Aluminum Company of America. (See Pierce, William B., assignor.)
Aluminum Cooking Utensil Company, The. (See Cisco, Edward S., assignor.)
Amco, Incorporated. (See Morton, W. A., Moore, and Roth, assignors.)
Amdur, Leon H., Brooklyn, N. Y. Cosmetic device. 2,136,204; Nov. 8.
American Bitumuls Company. (See Boneysteele, P. L., and McKercher, assignors.)
American Can Company. (See Ball, Charles O., assignor.)
American Can Company. (See Reid, John G., assignor.)
American Can Company. (See Witzke, Otto J., assignor.)
American Cyanamid Company. (See Hedley, Norman, assignor.)
American Engineering Company. (See Bennett, Joseph S., assignor.)
American Engineering Company. (See Landenberger, Henry W., assignor.)
American Engineering Company. (See Stephens, Gordon A., assignor.)
American Foundry Equipment Company. (See Alexander, John D., assignor.)
American Foundry Equipment Company, The. (See Hollingsworth, Alfred V., assignor.)
American Gas Machine Company. (See Jenson, Kenneth S., assignor.)
American Hyasol Corporation. (See Schwabe, Emil, assignor.)
American Radiator Company. (See Waudby, Walter, assignor.)
American Steel and Wire Company of New Jersey, The. (See Elder, Flint C., assignor.)
American Steel and Wire Company of New Jersey, The. (See Febrey, Harold H., assignor.)
American Steel and Wire Company of New Jersey, The. (See Gedge, Burton H., Jr., assignor.)
American Steel and Wire Company of New Jersey, The. (See Ralston, H. C., Williams, and Mako, assignors.)
American Steel and Wire Company of New Jersey, The. (See Schuman, Edward F., assignor.)
American Steel Foundries. (See Oelkers, Alfred H., assignor.)
American Viscose Corporation. (See Muerling, Ivar, assignor.)
Amesbury, Ernest G., Pittsburgh, Pa. Portable apparatus for transferring loads. 2,135,631; Nov. 8.
Anchor Cap & Closure Corporation. (See Podel, Abraham, assignor.)
Andersen, Carl N., Wellesley Hills, Mass., assignor to Lever Brothers Company. Aryl mercury sulphonamides. 2,135,553; Nov. 8.
Anderson, Bert J., Hammond, Ind. Handle bar. 2,135,692; Nov. 8.
Anderson, Harry J., assignor to The Pure Oil Company, Chicago, Ill. Plunger type fluid indicator and metering device. 2,136,261; Nov. 8.
Anderson, John R. (See Chaffee, E. F., and Anderson.)
Anderson, William S. (See Walker, D. F., and Anderson.)
Antofilli, John. (See Walsh, T. J., and Antofilli.)
Apex Railway Products Company. (See Doherty, Edward T., assignor.)
Arnold, Carl, Nuremberg, Germany. Mechanical toy imitating a calculating horse. 2,135,783; Nov. 8.
"Arthel" (Societe d'Exploitation des brevets Jacques Arthuys). (See Arthuys, Jacques M., assignor.)
Arthuys, Jacques M., New York, N. Y., assignor to "Arthel" (Societe d'Exploitation des brevets Jacques Arthuys), Paris, France. Automatic heliostat. 2,135,997; Nov. 8.
Ashdown, H. E., (Birmingham) Limited. (See Snell, Alfred G., assignor.)
Askue, Albert R., Mentor on the Lake, Ohio. Conduit rod. 2,135,487; Nov. 8.
Associated Electric Laboratories, Inc. (See Lomax, Clarence E., assignor.)
Associated Electric Laboratories, Inc. (See Obergfell, Herbert F., assignor.)
Associated Electric Laboratories, Inc. (See Pye, Harold C., assignor.)
Associated Electric Laboratories, Inc. (See Saunders, N. H., and Fowler, assignors.)
Associated Electric Laboratories, Inc. (See Voss, John H., assignor.)
Associated Telephone & Telegraph Company. (See Burns, George A., assignor.)
Atchison, Leonard W., Schenectady, N. Y., assignor to General Electric Company. Partition assembly for freezing trays. 2,136,226; Nov. 8.
Athey Truss Wheel Co. (See Kuchar, Joseph, assignor.)
Atkins, E. C., and Company. (See Gommel, Dewey E., assignor.)
Augier, Jean, and P. G. Laurent, Belfort, France, assignors to General Electric Company. Electric valve converting apparatus. 2,136,227; Nov. 8.
Austenal Laboratories, Inc. (See Prange, Charles H., assignor.)
Autogiro Company of America. (See Campbell, Harris S., assignor.)
Autogiro Company of America. (See de la Cierva, Juan, assignor.)
Autographic Register Company. (See Johnson, Arthur A., assignor.)
Automatic Control Corporation. (See Persons, Lawrence M., assignor.)
Automotive Devices, Inc. (See Jameson, Charles M., assignor.)
Avery, Howard W., Detroit, Mich., assignor, by mesne assignments, to Borg-Warner Corporation. Method and apparatus for lapping seals. 2,136,036; Nov. 8.
Babor, Joseph A., New York, N. Y. Manufacturing formed or molded articles. 2,135,554; Nov. 8.
Babson Bros. (See Babson, H. B., and Stampen, assignors.)
Babson, Henry B., and J. J. Stampen, assignors to Babson Bros., Chicago, Ill. Support for milking machines. 2,136,228; Nov. 8.
Bachor, Ludwig A., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Deck lid support. 2,135,784; Nov. 8.
Bakelite Corporation. (See Bender, Howard L., assignor.)

Baker, Robert S., Detroit, Mich. Saw guide. 2,135,488; Nov. 8.

Baldwin, George J., and G. W. Addy, Cayuga, Ontario, Canada. Natural gas production. 2,136,229; Nov. 8.

Baldwin, Harold R. (See Blackman, P. M., and Baldwin.)

Ball, Charles O., River Forest, Ill., assignor to American Can Company, New York, N. Y. Controlling viscosity in evaporated milk. 2,135,489; Nov. 8.

Ballman, Edwin C., St. Louis, Mo. Electric motor mounting. 2,135,785; Nov. 8.

Bank, Albert M., assignor to Sylvia Bank, Jersey City, N. J. Upholstery construction. 2,135,555; Nov. 8.

Bank, Sylvia. (See Bank, Albert M., assignor.)

Bankers Box Company. (See Fellowes, Harry L., assignor.)

Barber-Colman Company. (See Germonprez, John A., assignor.)

Bardwell, Dwight C., and F. Porter, Syracuse, assignors, by mesne assignments, to The Solvay Process Company, New York, N. Y. Production of hydrogen. 2,135,693; Nov. 8.

Bardwell, Dwight C., and F. Porter, Syracuse, assignors, by mesne assignments, to The Solvay Process Company, New York, N. Y. Production of hydrogen. 2,135,694; Nov. 8.

Bardwell, Dwight C., Syracuse, assignor to The Solvay Process Company, New York, N. Y. Producing a mixture of nitrogen and hydrogen. 2,135,695; Nov. 8.

Barling, B., & Sons. (See Barling, Walter W., assignor.)

Barling, Walter W., assignor to B. Barling & Sons, Camden Town, London, England. Tobacco pipe, cigarette tube, and the like. 2,135,632; Nov. 8.

Barnhart, George E., Pasadena, Calif. Gun mount. 2,135,950; Nov. 8.

Baron, Charles S., Tiffin, Ohio. Closure for receptacles. 2,136,123; Nov. 8.

Barthelmes, Fritz. (See Walther, F., and Barthelmes.)

Bartlett, C. J., et al. (See Walters, A. L., and Hendrick, assignors.)

Bastian-Blessing Company, The. (See Levings, Sherburne D., assignor.)

Bater, Charles C. (See Cleman, A. M., Bater, and Lee.)

Baumann, Henry N., Jr. (See Benner, R. C., and Bauman.)

Baumhauer, Heinrich, Berlin-Spandau, and W. Fehse, Berlin-Litchterfelde, Germany, assignors to General Electric Company. Lamp unit. 2,135,696; Nov. 8.

Baumheckel, William M., Cincinnati, Ohio. Pull lever. 2,136,095; Nov. 8.

Bausch & Lomb Optical Company. (See Bouchard, Samuel E., assignor.)

Bausch & Lomb Optical Company. (See Diggins, Bartholomew A., assignor.)

Bausch & Lomb Optical Company. (See Fassin, Gustave, assignor.)

Bausch & Lomb Optical Company. (See Jones, F. L., and Kirchmaier, assignors.)

Beanland, Charles P., Chelmsford, England, assignor to Radio Corporation of America. Delayed automatic gain control circuit. 2,135,556; Nov. 8.

Beekhuis, Herman A., Jr., Petersburg, Va., assignor, by mesne assignments, to The Solvay Process Company, New York, N. Y. Producing granular fertilizers. 2,136,069; Nov. 8.

Beer, Palle-Finn, Frederiksberg, assignor to Electrical Fono-Films Company A/S, Copenhagen, Denmark. Electrostatic mirror oscillograph. 2,136,018; Nov. 8.

Beers, George L., Collingswood, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Signal receiving apparatus. 2,135,557; Nov. 8.

Behle, Joseph W., assignor to The Murray Company, Dallas, Tex. Doffing brush cylinder. 2,135,478; Nov. 8.

Behr-Manning Corporation. (See Oglesby, Nicholas E., assignor.)

Belden Manufacturing Company. (See Karst, Howard C., assignor.)

Bell Telephone Laboratories, Incorporated. (See Cousins, Van M., assignor.)

Bell Telephone Laboratories, Incorporated. (See Dixon, John T., assignor.)

Bell Telephone Laboratories, Incorporated. (See Knoop, William A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Nyquist, Harry, assignor.)

Bell Telephone Laboratories, Incorporated. (See Van Tassel, Earl K., assignor.)

Bell Telephone Laboratories, Incorporated. (See Wente, Edward C., assignor.)

Belmont, Max J., New York, N. Y. Fluid impregnating device. 2,135,932; Nov. 8.

Bender, Howard L., Bloomfield, N. J., assignor to Bakelite Corporation, New York, N. Y. Flexible compositions. 2,136,329; Nov. 8.

Bendix Aviation Corporation. (See Hurley, Roy T., assignor.)

Bendix Home Appliance, Inc. (See Wells, Franklin H., assignor.)

Benner, Raymond C. (See Kirchner, H. P., and Benner.)

Benner, Raymond C., and H. N. Baumann, Jr., assignors, by mesne assignments, to Carborundum Company, Niagara Falls, N. Y. Cellular insulating refractory. 2,136,096; Nov. 8.

Bennett, Joseph S., Merion, assignor to American Engineering Company, Philadelphia, Pa. Furnace stoker. 2,135,697; Nov. 8.

Bennett, Joseph S., Merion, assignor to American Engineering Company, Philadelphia, Pa. Furnace stoker. 2,135,698; Nov. 8.

Bennett, Nicholas, Widnes, England, assignor to Imperial Chemical Industries Limited. Manufacture of plastic masses. 2,136,270; Nov. 8.

Bennett, Norman F., Newmarket, Ontario, Canada. Oil burner construction. 2,135,786; Nov. 8.

Berch, Samuel H., Beverly Hills, Calif. Packing foods. 2,135,479; Nov. 8.

Berchet, Gerard J. (See Carothers, W. H., and Berchet.)

Berenson, Julius L., Allston, assignor to Allergia Products Company, Newton, Mass. Pillow, mattress, and the like. 2,136,330; Nov. 8.

Berger, Thorleif, Oslo, Norway. Drying and/or smoking oven. 2,136,124; Nov. 8.

Berkman, Herbert A., Chicago, Ill., assignor to Zim Manufacturing Company. Cylinder ridge reamer. 2,136,350; Nov. 8.

Berman, Michael, and W. Brockner, assignors to Hewitt Rubber Corporation, Buffalo, N. Y. Multiple passage hose. 2,136,230; Nov. 8.

Bertrams, Elsa, assignor to Kabo Corset Co., Chicago, Ill. Corset or girdle and combination. 2,135,655; Nov. 8.

Beryllium Corporation, The. (See Merlub-Sobel, Menahem, assignor.)

Best, Frank C., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,136,271; Nov. 8.

Bethlehem Steel Company. (See Dougherty, Robert S. A., assignor.)

Bethlehem Steel Company. (See Florance, Warren M., assignor.)

Bethlehem Steel Company. (See White, William E., assignor.)

Beyer, Alvin D., Norristown, Pa. Nourishing plants. 2,135,998; Nov. 8.

Bienert, Berthold, Leverkusen-1. G. Werk, and K. Holzach, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyeing process. 2,135,633; Nov. 8.

Bigelow-Liptak Corporation. (See Spencer, H. W., and Davis, assignors.)

Bird, Whitworth F., Wallingford, and W. R. Hewton, assignors to Collins & Aikman Corporation, Philadelphia, Pa. Automatic loom. 2,136,331; Nov. 8.

Birdseye, Clarence, Gloucester, Mass., assignor, by mesne assignments, to Birdseye Electric Company, Dover, Del. Reflecting glow lamp. 2,135,480; Nov. 8.

Birdseye Electric Company. (See Birdseye, Clarence, assignor.)

Birkenmaier, Theodore, assignor to W. N. Matthews Corporation, St. Louis, Mo. Electrical cut-out. 2,135,787; Nov. 8.

Birkenmaier, Theodore, assignor to W. N. Matthews Corporation, St. Louis, Mo. Fuse. 2,135,788; Nov. 8.

Birkenmaier, Theodore, assignor to W. N. Matthews Corporation, St. Louis, Mo. Fuse. 2,135,789; Nov. 8.

Biszantz, Fred, assignor to The Galion Metallic Vault Company, Galion, Ohio. Dump body leverage. 2,136,231; Nov 8.

Blackburn Aircraft Limited. (See Petty, George E., assignor.)

Blackman, Philo M., Elgin, and H. R. Baldwin, Carpentersville, Ill., assignors to Elgin Manufacturing Company. Straight line capping machine. 2,136,037; Nov. 8.

Blair, James H., Staten Island, assignor to Chayes Dental Instrument Corporation, New York, N. Y. Dental instrument. 2,135,933; Nov. 8.

Blasier, George F., assignor to Buffalo Bolt Company, North Tonawanda, N. Y. Rotary furnace. 2,135,934; Nov. 8.

Blodgett, Edwin O., assignor to General Railway Signal Company, Rochester, N. Y. Relay. 2,135,490; Nov. 8.

Blomberg, Martin P. (See Mussey, W. H., and Blomberg.)

Boeger, Henry F., Beverly Hills, assignor to Surgident, Ltd., Los Angeles, Calif. Package of material. 2,135,790; Nov. 8.

Boguhn, Paul, Berlin-Spandau, Germany, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Blind-stitching attachment for sewing machines. 2,136,164; Nov. 8.

Bokemüller, Alfred, Gaggenau-Baden, Germany, assignor, by mesne assignments, to Sir W. G. Armstrong Whitworth & Co. (Engineers) Limited, Newcastle-upon-Tyne, England. Two-stroke internal combustion engine. 2,136,070; Nov. 8.

Bommer, Max. (See Hauser, H., and Bommer.)

Bone, Herbert L., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway bootleg. 2,135,741; Nov. 8.

Boneysteele, Parke L., and M. L. McKercher, Baltimore, Md., assignors to American Bitumuls Company, San Francisco, Calif. Emulsions and process of making the same. 2,135,866; Nov. 8.

Bonhôte, Gerald. (See Johner, H., and Bonhôte.)

Bonnett, Howard T. (See Major, R. T., and Bonnett.)

Booger, Leif N., Brooklyn, N. Y. Dispensing device. 2,135,999; Nov. 8.

Booty, Philip C. P. and R. G., Chicago, Ill. Apparatus for impregnating wood and the like. 2,135,491; Nov. 8.

Booty, Raymond G. (See Booty, Philip C. P. and R. G.)

Borglin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Terpene alcohol esters of dibasic acids and producing. 2,136,000; Nov. 8.

Borg-Warner Corporation. (See Avery, Howard W., assignor.)

Borg-Warner Corporation. (See Moore, Charles A., assignor.)

Borg-Warner Corporation. (See Swennes, Benjamin A., assignor.)

Boser, Otto J. (See Steingroever, F. A., and Boser.)

Bott, Perry J., Little Rock, Ark. Insulator shield. 2,135,558; Nov. 8.

Bouchard, Samuel E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 2,135,791; Nov. 8.

Bouchard, Samuel E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 2,135,792; Nov. 8.

Bourdon, Pierre M., Paris, assignor to Michelin & Cie., Clermont-Ferrand, France. Device for indicating deflation of pneumatic tires. 2,136,038; Nov. 8.

Bowyer, Abbie G., assignor of one-fourth to S. E. Fouts, Los Angeles, Calif. Hair curler. 2,135,612; Nov. 8.

Brace, Kemper P., and R. B. P. Crawford, Washington, D. C. Reversed cycle heating system. 2,135,742; Nov. 8.

Braden, Elmer A., Springfield, Ill. Metallic truss beam and joint therefor. 2,136,071; Nov. 8.

Brandt, Francis L., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-attaching machine. 2,135,656; Nov. 8.

Brennan, Joseph B., Fort Wayne, Ind. Electrolytic device. 2,135,492; Nov. 8.

Brentnall, Geoffrey C. (See Smith, H., and Brentnall, assignors.)

Briggs & Stratton Corporation. (See Fitz Gerald, John W., assignor.)

Briktex Incorporated. (See Fried, William B., assignor.)

Brink, Winfield S., assignor to The Firestone Steel Products Company, Akron, Ohio. Vehicle wheel. 2,135,481; Nov. 8.

Brink, Winfield S., assignor to The Firestone Steel Products Company, Akron, Ohio. Wheel and tire rim structure. 2,135,482; Nov. 8.

Brockner, William. (See Berman, M., and Brockner.)

Bromann, Albert H., Jr., River Forest, assignor to Bromann Bros., Chicago, Ill. Refrigerating method and apparatus. 2,136,232; Nov. 8.

Bromann Bros. (See Bromann, Albert H., Jr.)

Brooke, Lloyd F., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Polymerizing olefines and catalyst therefor. 2,135,793; Nov. 8.

Broughton, Walter C., Kansas City, Mo. Burial vault. 2,135,559; Nov. 8.

Browne, Lindsay H., Pittsford, N. Y., assignor to Kellogg Compressor and Manufacturing Corporation. Refrigerating apparatus. 2,136,097; Nov. 8.

Browne, Lindsay H., Pittsford, N. Y., assignor to Kellogg Compressor and Manufacturing Corporation. Air compressing apparatus. 2,136,098; Nov. 8.

Brownson, Percy J., Hastings, Minn. Fly swatter. 2,136,233; Nov. 8.

Bruce, E. L., Company. (See Gray, Milton, assignor.)

Bryce, James W., Bloomfield, N. J., assignor to International Business Machines Corporation, New York, N. Y. Synchronous clock system. 2,135,935; Nov. 8.

Buda Company, The. (See Gormley, Frank L., assignor.)

Buehner, William F. A. (See Crary, Palmer H., assignor.)

Buffalo Bolt Company. (See Blasier, George F., assignor.)

Bunting, Alwyn R., Portsmouth, Va. Clothes hook. 2,136,272; Nov. 8.

Burdick, Wayne E. (See Loehr, L. K., and Burdick.)

Burns, Fred J., Saginaw, Mich., assignor to The Columbia Mills, Inc., New York, N. Y. Venetian blind construction. 2,135,795; Nov. 8.

Burns, George A., Liverpool, England, assignor to Associated Telephone & Telegraph Company, Chicago, Ill. Remote control system. 2,135,794; Nov. 8.

Bush, Eugene S., assignor to Bush-Harman Products, Inc., St. Louis, Mo. Automatic plumb bob. 2,136,072; Nov. 8.

Bush-Harman Products, Inc. (See Bush, Eugene S., assignor.)

Buxbaum, Albert B., Akron, Ohio. Salvaging constituents of automobile tires and the like. 2,136,099; Nov. 8.

Byers, Laud S., Glendale, Calif. Blasting powder. 2,136,205; Nov. 8.

Byrom, John K., assignor to The Renold and Coventry Chain Company Limited, Didsbury, Manchester, England. Shaft coupling. 2,135,634; Nov. 8.

Campbell, A. S., Co. (See Holmes, Harold H., assignor.)

Campbell, Harris S., assignor to Autogiro Company of America, Willow Grove, Pa. Roadable autorotative-winged aircraft. 2,135,699; Nov. 8.

Campbell, Walter L., Boston, Mass. Meat tenderizer. 2,135,960; Nov. 8.

Canfield, Kendall E. (See Durham, H. N., and Canfield.)

Cannon, Charles B. (See Shyvers, Ken C., assignor.)

Carbide and Carbon Chemicals Corporation. (See Wilson, Alexander L., assignor.)

Carborundum Company. (See Benner, R. C., and Baumann, assignors.)

Carborundum Company, The. (See Kirchner, H. P., and Benner, assignors.)

Carborundum Company, The. (See Robie, Norman P., assignor.)

Cargill, Frank, Minneapolis, Minn. Advertising device. 2,135,483; Nov. 8.

Cargill, Frank J., Minneapolis, Minn. Illuminated advertising device. 2,135,484; Nov. 8.

Carlson, Oscar F., Company, et al. (See Shepherd, Alfred W.)

Carlson, Wendell L., Haddonfield, N. J., assignor to Radio Corporation of America. Delayed automatic volume control. 2,135,560; Nov. 8.

Carnes, William A., Houston, Tex. Brake. 2,135,796; Nov. 8.

Carothers, Wallace H., and G. J. Berchet, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Unsaturated amines and preparing the same. 2,136,177; Nov. 8.

Carothers, Wallace H., and G. J. Berchet, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Aliphatic unsaturated compounds and preparing them. 2,136,178; Nov. 8.

Carter, Charles D., Fremont, Ohio. Rack. 2,136,179; Nov. 8.

Carter, Clarence F., Danville, Ill. Machine for cutting bars of soap and other plastic material. 2,136,001; Nov. 8.

Cartlidge, Frank, assignor to Goodman Manufacturing Company, Chicago, Ill. Loading machine. 2,135,882; Nov. 8.

Cartun, Paul O., Cleveland Heights, Ohio, assignor to General Electric Company. Flash lamp. 2,136,234; Nov. 8.

Cassity, Isaac N., Topeka, Kans. Optical instrument. 2,135,743; Nov. 8.

Celanese Corporation of America. (See Whitehead, William, assignor.)

Chadeayne, George D., Brooklyn, N. Y. Laundry drier. 2,135,493; Nov. 8.

Chaffee, Edward F., and J. R. Anderson, assignors to The O. M. Edwards Company Inc., Syracuse, N. Y. Sheet metal window frame structure and forming the same. 2,136,273; Nov. 8.

Chambers, David A., Portland, Oreg. Tripod mounting. 2,135,797; Nov. 8.

Chayes Dental Instrument Corporation. (See Blair, James H., assignor.)

Chemical Construction Corporation. (See Richardson, Ralph S., assignor.)

Chemische Fanrik von Heyden, A. G. (See Steingroever, F-A., and Boser, assignors.)

Chenoweth, Elijah P., Lancaster, Ohio. Tent frame. 2,135,961; Nov. 8.

Cherry-Burrell Corporation. (See Weinreich, Charles F., assignor.)

Chevrier, Eugène M. (See Marguerat, R., and Chevrier.)

Christy, George C., Chicago, Ill. Door controlling device. 2,136,274; Nov. 8.

Church, Franklin O., assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Seat construction. 2,135,657; Nov. 8.

Cisco, Edward S., assignor to The Aluminum Cooking Utensil Company, New Kensington, Pa. Percolator cover. 2,135,744; Nov. 8.

Clancy, Anna B., San Francisco, Calif. Shield. 2,136,039; Nov. 8.

Clark, Arthur M. (See Harrison, C. F. R., Clark, and Hilton.)

Clark, Sheldon, Chicago, Ill. Feeder. 2,135,867; Nov. 8.

Clarke, Charles J., Kingsburg, Calif. Valve cap retainer. 2,136,002; Nov. 8.

Clarke, Henry B., Garden City, N. Y., assignor, by mesne assignments, to H. R. Gross, Chicago, Ill. Viscosity regulator. 2,136,040; Nov. 8.

Cleveland Rock Drill Company, The. (See Curtis, John C., assignor.)

Cleveland Rock Drill Company, The. (See Renfer, John E., assignor.)

Clifford, Albert M., Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Vulcanization of rubber. 2,136,332; Nov. 8.

Coey, Stewart C., Glen Ridge, N. J. Spray eliminator. 2,136,003; Nov. 8.

Coleman, Alfred M., C. C. Bater, and G. A. Lee, London, England. Ready stowing and presenting for access of such articles as typewriters, sewing machines, or other apparatus. 2,136,275; Nov. 18.

Coleman, Gerald H., and J. W. Zemba, assignors to The Dow Chemical Company, Midland, Mich. Stabilization of vinylidene chloride. 2,136,333; Nov. 8.

Coleman, Gerald H., and J. W. Zemba, assignors to The Dow Chemical Company, Midland, Mich. Method of and compounds for controlling polymerization of vinylidene chloride. 2,136,334; Nov. 8.

Collins & Aikman Corporation. (See Bird, W. F., and Hewton, assignors.)

Collins & Aikman Corporation. (See Hewton, William R., assignor.)

Collins & Aikman Corporation. (See Hiers, Glen S., assignor.)

Collins, Douglas, Salisbury, N. C. Auxiliary control for hydraulic brakes. 2,136,276; Nov. 8.
Collins, James L. (See Stahl, Albert L., assignor.)
Collins, Truman W., et al. (See Walters, A. L., and Hendrick, assignors.)
Colonial Broach Company. (See Thompson, Richard A., assignor.)
Colson Corporation, The. (See Roe, William C. and M. E.)
Columbus Mills, Inc., The. (See Burns, Fred J., assignor.)
Cone, Charles N., assignor to M and M Plywood Corporation, Portland, Oreg. Glue and process of manufacture therefor. 2,135,745; Nov. 8.
Conery, William J., and A. Nelson, San Jose, Calif. Fluid pressure system. 2,135,962; Nov. 8.
Conmar Products Corporation. (See Konoff, Alexander, assignor.)
Conn, Chester J., Smithtown Branch, N. Y. Method of and apparatus for treating food products. 2,136,041; Nov. 8.
Connell, William H., Hillingdon, assignor to Electric & Musical Industries Limited, Middlesex, England. Wireless and like receiver. 2,135,561; Nov. 8.
Cons, Elmer F., Kansas City, Mo. Shirt board. 2,135,798; Nov. 8.
Continental Investment Syndicate Limited, The. (See Knibbs, N. V. S., and Pehrson, assignors.)
Cooke, Joseph, Philadelphia, Pa. Making sign elements. 2,136,180; Nov. 8.
Cooley, Floyd A. (See Rhein, L. R., and Cooley.)
Cooper, Wilfrid B., Rome, Ga., assignor to Tubize Chatillon Corporation, New York, N. Y. Bobbin base. 2,136,073; Nov. 8.
Cornell Iron Works, Inc. (See Cornell, M. L., and Gerber, assignors.)
Cornell, Milton L., Jackson Heights, N. Y., and E. W. Gerber, Bergenfield, N. J., assignors to Cornell Iron Works, Inc., Long Island City, N. Y. Expansible mesh closure. 2,136,042; Nov. 8.
Cornwell, Arthur L., Wellsville, N. Y. Gear puller. 2,136,004; Nov. 8.
Courtois-Suffit, Roger M. R., Paris, France. Line and altitude delineator. 2,136,181; Nov. 8.
Cousins, Van M., Lyndhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Thermionic amplifier. 2,135,562; Nov. 8.
Crago, Harry R., Caldwell, N. J., assignor to General Electric Company. Temperature control system. 2,136,235; Nov. 8.
Cramer, Howard L., Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Preserving rubber, and product. 2,136,335; Nov. 8.
Crary, Palmer H., assignor of fifteen per cent to W. F. A. Buehner, Miami, Fla. Fluid power engine. 2,136,182; Nov. 8.
Crawford, Bruce D., Cedar Grove, N. J., and H. A. Grine, Chestertown, Md. Flotation of culm. 2,136,074; Nov. 8.
Crawford, Robert B. P. (See Brace, K. P., and Crawford.)
Crosley, Powel, Jr., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Refrigerator door latch. 2,135,799; Nov. 8.
Crosley Radio Corporation. (See Crosley, Powel, Jr., assignor.)
Crossman, Milledge A., Reading, Mass. Heat conserver for ranges. 2,136,100; Nov. 8.
Crown Cork & Seal Company. (See Enkur, Edward M., assignor.)
Crumrine, Chester W., assignor to Eastman Kodak Company, Rochester, N. Y. Camera finder construction. 2,135,963; Nov. 8.
Curtis, John C., Garfield Heights, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Lubricator. 2,135,746; Nov. 8.
Dahlen, Miles A., Wilmington, and F. Zwilgmeyer, Arden, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dyestuffs and fiber dyed therewith. 2,135,964; Nov. 8.
Dahlen, Miles A., Wilmington, and F. Zwilgmeyer, Arden, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Monoazo compounds. 2,135,965; Nov. 8.
Daisley, Robert H., Birmingham, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Engine valve. 2,135,966; Nov. 8.
Daland, Elliot, assignor to E. B. Wilford, Philadelphia, Pa. Rotary wing aircraft. 2,136,165; Nov. 8.
Dall, Edward D., assignor to W. F. Wright, Cleveland, Ohio. Locking system. 2,135,967; Nov. 8.
Dällenbach, Walter, Berlin-Charlottenburg, Germany. Electric discharge apparatus. 2,135,883; Nov. 8.
Damon, Joseph, Mount Vernon, N. Y. Intervisual mural. 2,135,968; Nov. 8.
Darling, Harry R., and N. B. Green, assignors to Eastman Kodak Company, Rochester, N. Y. Carrying case. 2,136,357; Nov. 8.
Darrah, William A., assignor to United States Gypsum Company, Chicago, Ill. Drying apparatus. 2,136,166; Nov. 8.
Davignon, Victor D., North Attleboro, assignor, by mesne assignments, to Metals & Controls Corporation, Attleboro, Mass. Flexible wire. 2,135,800; Nov. 8.
Davis, Augustine, Jr., Cincinnati, Ohio. Mechanism for discharging contents of receptacles. 2,135,868; Nov. 8.
Davis, Ernest W., Oak Park, assignor, by mesne assignments, to Stewart-Warner Corporation, Chicago, Ill. Lubricating apparatus. 2,135,563; Nov. 8.
Davis, Leonard S. (See Spencer, H. W., and Davis.)
Dean, Edmund W., assignor to Duplex Printing Press Company, Battle Creek, Mich. Web assembling means for printing presses. 2,136,277; Nov. 8.
Dean, Edmund W., assignor to Duplex Printing Press Company, Battle Creek, Mich. Web assembling means for printing presses. 2,136,278; Nov. 8.
De Boer, Jan H. (See Addink, N. W. H., de Boer, Alphen, and Zecher.)
De Golyer, Anthony G., New York, N. Y. Alloy. 2,135,494; Nov. 8.
De Golyer, Anthony G., New York, N. Y. Alloy. 2,135,495; Nov. 8.
De la Cierva, Juan, Madrid, Spain, assignor to Autogiro Company of America, Willow Grove, Pa. Autorotative wing for aircraft. 2,135,700; Nov. 8.
De Laney, Wallace W., assignor to The Seamless Rubber Company, Inc., New Haven, Conn. Heating device for therapeutical purposes. 2,136,043; Nov. 8.
Delaval-Crow, Thomas C., Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich. Locking device for bearings and the like. 2,136,125; Nov. 8.
Delich, Peter, Duluth, Minn. Weather strip and sash holder. 2,135,564; Nov. 8.
De Motte, Maurice P., Indianapolis, Ind., assignor to The Prest-O-Lite Company, Inc. of New York. Gas delivery apparatus. 2,136,075; Nov. 8.
De Orlow, Stephen, Detroit, Mich. Hood rest for automobiles. 2,135,613; Nov. 8.
Desmarteaux, Louis. (See Page, Paul E., assignor.)
Detroit Hydrostatic Brake Corporation. (See Hunt, George H., assignor.)
Detroit Lubricator Company. (See Weber, Walter H., assignor.)
Deutsche Gold und Silber Scheideanstalt vormals Roessler. (See Voelkel, Walter, assignor.)
Deutsche Kurtin-Oel-Fabriken. (See Heil, Hanns, assignor.)
De Vilbiss, Thomas G., San Antonio, Tex. Flowerpot holder. 2,136,279; ov. 8.
Devney, Lee J., Painesville, Ohio. Rack. 2,135,565; Nov. 8.
Detroit Compensating Axle Corporation. (See Durham, H. N., and Canfield, assignors.)
Dickinson, Henry R., Grand Rapids, Mich. Recovering ozocerite. 2,136,280; Nov. 8.
Dickinson, Henry R., Grand Rapids, Mich. Apparatus for recovering ozocerite. 2,136,281; Nov. 8.
Dickinson, Henry R., Grand Rapids, Mich. Treating waxes. 2,136,282; Nov. 8.
Dickinson, Henry R., Grand Rapids, Mich., and H. H. Moreton, Santa Monica, Calif. Making soap. 2,136,283; Nov. 8.
Dietzgen, Eugene Co. (See Langsner, Adolph, assignor.)
Diez, Angel M., Mexico, D. F., Mexico. Headlight. 2,136,285; Nov. 8.
Diez Angel M., Mexico, D. F., Mexico. Headlight structure. 2,136,286; Nov. 8.
Diez, Angel M., and T. N. May, Mexico, D. F., Mexico. Electrically operated shifting mechanism. 2,136,284; Nov. 8.
Diggins, Bartholomew A., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmoscope. 2,135,801; Nov. 8.
Dill Manufacturing Company, The. (See Ellis, Tharon J., assignor.)
Dinkins, Thomas, Ridgefield Park, N. J. Automobile tire handling device. 2,135,802; Nov. 8.
Disco, Joseph, Santa Ana, Calif. Abrading reamer. 2,135,884; Nov. 8.
Ditto, Incorporated. (See Marchev, Alfred, assignor.)
Dixon, Daniel L., Somerville, Mass. Cable protector for battery terminals. 2,136,005; Nov. 8.
Dixon, John T., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gain control circuit. 2,135,566; Nov. 8.
Doherty, Edward T., assignor to Apex Railway Products Company, Chicago, Ill. Car card holder. 2,135,567; Nov. 8.
Donaldson, Joseph G., Brentwood Heights, Calif. Apparatus for producing and dispensing soapy solutions. 2,135,969; Nov. 8.
Dougherty, Robert S. A., Bethlehem, Pa., assignor to Bethlehem Steel Company. Ladle. 2,135,658; Nov. 8.
Dove John B., Union, Miss. Cotton picker. 2,136,126; Nov. 8.
Dow Chemical Company, The. (See Coleman, G. H., and Zemba, assignors.)
Dow Chemical Company, The. (See Wiley, Ralph M., assignor.)
Dow, Dewey M., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Vacuum cleaner. 2,135,885; Nov. 8.
Draper, William B., Denver, Colo. Indicating presence and relative amounts of carbon dioxide in gases for breathing. 2,136,236; Nov. 8.
Dreyfus, Henry, London, England. Production of alkylene oxides. 2,136,183; Nov. 8.

Dryden, William. (See Jones, Henry R., assignor.)
Du-All Check Book Company. (See Frost, Charles A., assignor.)
Duecker, Werner W., Pittsburgh, Pa., assignor to Texas Gulf Sulphur Company. Sulphur cement. 2,135,747; Nov. 8.
Dukelow, Arthur, Denver, Colo. Post hole forming machine. 2,135,970; Nov. 8.
Dukelow, Arthur, Denver, and L. M. Alger, Golden, Colo. Clutch. 2,135,971; Nov. 8.
Dukelow, Thomas, Chicago, Ill. Spark plug. 2,136,206; Nov. 8.
Dunert, Victor, Finchley, London, England, assignor to Johnson Laboratories Incorporated, Chicago, Ill. Molding plastic materials which do not flow easily. 2,135,803; Nov. 8.
Dunlop Rubber Company. (See Smith, H., and Brentnall, assignors.)
Dunlop Rubber Company. (See Wright, J., and Trevaskis, assignors.)
Dunlop Tire and Rubber Corporation. (See Church, Franklin O., assignor.)
Dunlex Printing Press Company. (See Dean, Edmund W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Carothers, W. H., and Berchet, assignors.)
Du Pont, E. I., de Nemours & Company. (See Dahlen, M. A., and Zwilgmeyer, assignors.)
Du Pont, E. I., de Nemours & Company. (See Engelmann, Max, assignor.)
Du Pont, E. I., de Nemours & Company. (See Graves, George D., assignor.)
Du Pont, E. I., de Nemours & Company. (See Hardy, Vernal R., assignor.)
Du Pont, E. I., de Nemours & Company. (See Harmon, Edward F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Haskins, Joseph F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Jacobson, Ralph A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Patterson, Gordon D., assignor.)
Du Pont, E. I., de Nemours & Company. (See Williams, R. Y., and McKee, assignors.)
Durham, Hobart N., and K. E. Canfield, Munsey Park, N. Y., assignors to Detroit Compensating Axle Corporation, Detroit, Mich. Dual-wheel assembly. 2,135,568; Nov. 8.
Duzzel Corporation. (See Palmer, Paul C., assignor.)
Eagle Lock Co. (See Malley, Vincent E., assignor.)
Eagle-Picher Lead Company, The. (See Harner, H. R., Schultz, and Ritchie, assignors.)
Eastman Kodak Company. (See Crumrine, Chester W., assignor.)
Eastman Kodak Company. (See Darling, H. R., and Green, assignors.)
Eastman Kodak Company. (See Hughey, Carter J., assignor.)
Eastman Kodak Company. (See Lane, G. T., and Peters, assignors.)
Eastman Kodak Company. (See Malm, Carl J., assignor.)
Eastman Kodak Company. (See Mihalyi, Joseph, assignor.)
Eastman Kodak Company. (See Nadeau, Gale F., assignor.)
Eastman Kodak Company. (See Nagel, August, assignor.)
Eastman Kodak Company. (See Stone, Herbert G., assignor.)
Eastman Kodak Company. (See Wengel, Raymond W., assignor.)
Eastman Kodak Company. (See Wood, Donald L., assignor.)
Eaton Manufacturing Company. (See Daisley, Robert H., assignor.)
Eaton Manufacturing Company. (See Russell, Robert C., assignor.)
Ebbedal, Niels J. O. J., Copenhagen, Denmark. Apparatus for closing a bottle or a similar container with a capsule. 2,136,287; Nov. 8.
Ebert, Fritz, assignor to Mauser-Werke A. G., Oberndorf-on-the-Neckar, Germany. Throat plate for sewing machines. 2,136,288; Nov. 8.
Eclipse Machine Company. (See Sekella, Youston, assignor.)
Edeleanu Gesellshaft m. b. H. (See Terres, E., Moos, and Ramser, assignors.)
Edison Electric Appliance Company. (See Walker, Forrest A., assignor.)
Edwards, Oliver M., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Rotatable window construction. 2,136,289; Nov. 8.
Edwards, O. M., Company, Inc., The. (See Chaffee, E. F. and Anderson, assignors.)
Edwards, O. M., Company, The. (See Edwards, Oliver M., assignor.)
Elder, Charles J., assignor to Greenpoint Metallic Bed Co., Inc., Brooklyn, N. Y. Spring bed bottom, bed spring, or the like. 2,135,804; Nov. 8.
Elder, Flint C., Cleveland Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey. Tire wire and making the same. 2,135,886; Nov. 8.
Electric & Musical Industries Limited. (See Connell, William H., assignor.)
Electrical Fono-Films Company. (See Beer, Palle-Finn, assignor.)
Elenbaas, Willem, and A. van Wyk, Eindhoven, Netherlands, assignors to General Electric Company. Electric gaseous discharge device. 2,135,701; Nov. 8.
Elenbaas, Willem, Eindhoven, Netherlands, assignor to General Electric Company. Electric gaseous discharge device. 2,135,702; Nov. 8.
Elfström, Nils, Fagersta, Sweden, assignor to National Standard Company, Niles, Mich. Wire drawing apparatus. 2,135,659; Nov. 8.
Elgin Manufacturing Company. (See Blackman, P. M., and Baldwin, assignors.)
Ellis, Tharon J., Akron, assignor, by mesne assignments, to The Dill Manufacturing Company, Cleveland, Ohio. Rubber valve stem for inflatable articles. 2,135,569; Nov. 8.
Ellis, Tharon J., Akron, assignor, by mesne assignments, to The Dill Manufacturing Company, Cleveland, Ohio. Manufacturing rubber valve stems. 2,135,570; Nov. 8.
Elmendorf, Duryea E., Shaker Heights, Ohio, assignor to General Electric Company. Method and apparatus for prefocusing lamps. 2,136,237; Nov. 8.
Emerson Electric Mfg. Co., The. (See Weber, Victor, assignor.)
Engel, Abraham, Brooklyn, N. Y. Tire valve. 2,135,869; Nov. 8.
Engelmann, Max, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. 2,3,6-triamino-pyridine and making it. 2,136,044; Nov. 8.
Engineering and Research Corporation. (See Nelson, Robert O., assignor.)
Engster, Frank W., Washington, D. C., assignor to General Electric Company. Overhead cable installation. 2,136,238; Nov. 8.
Enkur, Edward M., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Lug cap. 2,135,635; Nov. 8.
Ernst, Walter, Mount Gilead, Ohio, assignor, by mesne assignments, to The Hydraulic Press Corporation, Inc., Wilmington, Del. Packing ram. 2,136,239; Nov. 8.
Ernst, Walter, Mount Gilead, Ohio, assignor to The Hydraulic Press Corporation, Inc., Wilmington, Del. Triple-action drawing press. 2,136,240; Nov. 8.
Evans, Howard R., and W. C. Hulsman, San Jose, Calif. Can stacking machine. 2,135,805; Nov. 8.
Ewerhardt, Frank H., St. Louis, Mo. Articulated posture manikin. 2,136,207; Nov. 8.
Exner-Dodge Packer Company, The. (See Fulkerson, Richard E., assignor.)
Faber, John, Jr., Haledon, N. J., assignor to The Prosperity Company, Inc., Syracuse, N. Y. Shirt gusset pressing machine. 2,135,614; Nov. 8.
Faber, John P., Dunellen, assignor to Ransome Concrete Machinery Company, Plainfield, N. J. Concrete mixer with two compartment drum. 2,136,045; Nov. 8.
Fabriksaktiebolaget Haldataxametern. (See Ostberg, Karl G., assignor.)
Fafnir Bearing Company, The. (See Leister, Fayette, assignor.)
Fairey, Charles R., Hayes, England. Blade for airscrews and the like. 2,135,887; Nov. 8.
Farnsworth, Philo T., assignor to Farnsworth Television Incorporated, San Francisco, Calif. Multipactor. 2,135,615; Nov. 8.
Farnsworth Television Incorporated. (See Farnsworth, Philo T., assignor.)
Fassin, Gustave, Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Microscope. 2,135,870; Nov. 8.
Fawcett, Harold W., Harrogate, England. Centrifugal separator. 2,136,127; Nov. 8.
Febrey, Harold H., South Orange, N. J., assignor to The American Steel and Wire Company of New Jersey. Installation of rail bonds. 2,135,888; Nov. 8.
Federal File Envelope Co., The. (See Winokar, Maurice, assignor.)
Fehr, Karl, E. Heinemann, and W. Schneider, Rauxel, Westphalia, assignors to the firm Rütgerswerke-Aktiengesellschaft, Berlin, Germany. Converting liquid pitch into a fragmentary, transportable form. 2,136,208; Nov. 8.
Fehse, Werner. (See Baumhauer, H., and Fehse.)
Fellowes, Harry L., assignor to Bankers Box Company, Chicago, Ill. Collapsible filing drawer. 2,136,184; Nov. 8.
Fend, Kurt, Pforzheim, Germany. Interchangeable lead pencil. 2,136,290; Nov. 8.
Fenske, Merrell R., State College, Pa. Packing material. 2,135,703; Nov. 8.
Fermann, Joseph A., Baldwin, and J. H. Mosley, Jackson Heights, Long Island, assignors to Standard-Knapp Corporation, Long Island City, N. Y. Carton closing machine. 2,135,806; Nov. 8.
Ferngren, Enoch T., Jackson Heights, N. Y., assignor, by mesne assignments, to Plax Corporation, Hartford, Conn. Method and automatic device for handling fluent plastic material in dipping machines. 2,136,185; Nov. 8.
Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Signaling system for railroads. 2,135,496; Nov. 8.
Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Track circuit for railway signaling systems. 2,135,497; Nov. 8.

Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Railway track circuit. 2,135,499; Nov. 8.

Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Railway track circuit. 2,135,498; Nov. 8.

Finch, William G. H., Spuyten Duyvil, N. Y. Projecting mechanism. 2,136,209; Nov. 8.

Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for applying pressure to soles and shoes. 2,135,660; Nov. 8.

Fioroni, Walter. (See Moser, W., and Fioroni.)

Firestone Steel Products Company, The. (See Brink, Winfield S., assignor.)

Firestone Tire & Rubber Company, The. (See Putt, Roy R., assignor.)

Firth, Richard S., Ridley Park, Pa. Draft gear centering clip. 2,135,704; Nov. 8.

Fisher, Carl G., Miami Beach, Fla. Model. 2,136,006; Nov. 8.

Fisher, George. (See Tandler, W. S., and Fisher.)

Fisher, George, and W. S. Tandler, assignors to Lefler Patent Company, Inc., New York, N. Y. Pattern control mechanism. 2,136,076; Nov. 8.

Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Engine starter. 2,136,046; Nov. 8.

Fitzgerald, Patrick J., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn. All-metal gasket. 2,135,807; Nov. 8.

Fitzgerald Manufacturing Company, The. (See Fitzgerald, Patrick J., assignor.)

Flader, Herman A., Denver, Colo. Connecter for pressure lines. 2,135,889; Nov. 8.

Florance, Warren M., Bethlehem, Pa., assignor to Bethlehem Steel Company. Highway guard structure. 2,135,705; Nov. 8.

Folmer Graflex Corporation. (See Hineline, Edson S., assignor.)

Food Machinery Corporation. (See Paxton, Gerald C., assignor.)

Food Machinery Corporation. (See Twomley, Herbert E., assignor.)

Forester, Daniel S., Pennington Gap, Va. Saw set device. 2,136,291; Nov. 8.

Forstner, Walter, Irvington, N. J. Connecter for adjustable apparel belt chain ends. 2,135,616; Nov. 8.

Foster, Dudley E., South Orange, N. J., and G. Mountjoy, Bayside, Long Island, N. Y., assignors to Radio Corporation of America. Electron ray tube indicator circuit. 2,135,571; Nov. 8.

Foster, Warren D., Washington Township, Bergen County, assignor to Kinatome Patents Corporation, Ridgewood, N. J. Film handling apparatus. 2,135,500; Nov. 8.

Fouts, Samuel E. (See Bowyer, Abbie G., assignor.)

Fowler, Ralph R. (See Saunders, N. H., and Fowler.)

Franks, Roye W., Salt Lake City, Utah. Draft control device. 2,135,501; Nov. 8.

Frazee, Arthur J. (See Parrish, F. T., and Frazee.)

Fredenhagen, Walter S., and M. S. Schmidt, Naperville, Ill. Drink mixing apparatus. 2,136,355; Nov. 8.

Frederick Post Company, The. (See Hinman, Walker M., assignor.)

Fried, William B., Pittsburgh, Pa., assignor to Briktex Incorporated, Newark, N. J. Building covering unit. 2,135,572; Nov. 8.

Friedman, Joseph B., San Francisco, Calif. Confection. 2,135,808; Nov. 8.

Fritz, Karl, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Magnetron. 2,136,101; Nov. 8.

Fritze, Otto, Berlin, Germany, assignor to General Electric Company. Gaseous electric discharge device. 2,135,706; Nov. 8.

Frolander, Frank C., Elizabeth, N. J., assignor to Mergenthaler Linotype Company. Typographical composing machine. 2,135,748; Nov. 8.

Frost, Charles A., Brooklyn, N. Y., assignor to Du-All Check Book Company, Inc. Check-cash book. 2,136,186; Nov. 8.

Fruth, Hal F., Riverside, Ill., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Resistance contactor. 2,135,809; Nov. 8.

Frye, Robert, and G. M. O'Neal, Chicago, Ill., assignors to The Sherwin-Williams Company, Cleveland, Ohio. Nitration of para cresol. 2,136,187; Nov. 8.

Fulkerson, Richard E., assignor to The Exner-Dodge Packer Company, Coffeyville, Kans. Packing anchor. 2,136,047; Nov. 8.

Fulmer, Joseph H., Nazareth, Pa. Apparatus for dehydrating green forage crops. 2,135,636; Nov. 8.

Gaal, Andreas. (See Lorenz, A., and Gaal.)

Gábor, Dénes, Rugby, England. Electric discharge device. 2,136,292; Nov. 8.

Gade, Harald F., Philadelphia, Pa., assignor to Standard Pressed Steel Co., Jenkintown, Pa. Setscrew. 2,135,637; Nov. 8.

Gagné, Gideon R., Kenosha, Wis., and L. Spraker, Indianapolis, Ind., assignors to Snap-On Tools, Inc., Kenosha, Wis. Valve refacing device. 2,136,188; Nov. 8.

Gaidies, Georg, Berlin-Pankow, Germany, assignor to General Electric Company. Gaseous electric discharge device. 2,135,707; Nov. 8.

Galion Metallic Vault Company, The. (See Biszantz, Fred, assignor.)

Gamble, David L., and L. D. Grady, Jr., Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Paint and producing the same. 2,135,936; Nov. 8.

Garden City Plating & Manufacturing Co. (See Swanson, Charles E., assignor.)

Gardner Machine Company. (See Hall, Donald R., assignor.)

Garlinger, Marshall T. J., San Jose, Calif. Coupling and aligning device. 2,135,972; Nov. 8.

Garlinger, Marshall T. J., San Jose, Calif. Cleaver. 2,135,973; Nov. 8.

Gaspar, Béla. (See Michaelis, Walter, assignor.)

Gatz, Edward M., and H. A. Weller, Chicago, Ill. Toy. 2,136,189; Nov. 8.

Gedge, Burton H., Jr., Shaker Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey. Coil tilting device. 2,135,890; Nov. 8.

Geigy, J. R., A. G. (See Krebser, Adolf, assignor.)

General Aniline Works, Inc. (See Bienert, B., and Holzach, assignors.)

General Aniline Works, Inc. (See Helberger, J. H., and Ohlendorf, assignors.)

General Electric Company. (See Addink, N. W. H., de Boer, Alphen, and Zecher, assignors.)

General Electric Company. (See Alterthum, H., and Pirani, assignors.)

General Electric Company. (See Atchison, Leonard W., assignor.)

General Electric Company. (See Augier, J., and Laurent, assignors.)

General Electric Company. (See Baumhauer, H., and Fehse, assignors.)

General Electric Company. (See Cartun, Paul O., assignor.)

General Electric Company. (See Crago, Harry R., assignor.)

General Electric Company. (See Elenbaas, Willem, assignor.)

General Electric Company. (See Elenbaas, W., and van Wyk, assignors.)

General Electric Company. (See Elmendorf, Duryea E., assignor.)

General Electric Company. (See Engster, Frank W., assignor.)

General Electric Company. (See Fritze, Otto, assignor.)

General Electric Company. (See Gaidies, Georg, assignor.)

General Electric Company. (See Hagen, W., and Thouret, assignors.)

General Electric Company. (See Hänlein, W., and Krefft, assignors.)

General Electric Company. (See Helmbright, Henry H., assignor.)

General Electric Company. (See Inman, George E., assignor.)

General Electric Company. (See Krefft, H., and Rüttenauer, assignors.)

General Electric Company. (See Krefft, H., Wilde, and Larché, assignors.)

General Electric Company. (See Kroenlein, Henry A., assignor.)

General Electric Company. (See McLachlen, Willard J., assignor.)

General Electric Company. (See Mitchell, John H., assignor.)

General Electric Company. (See Newman, Delbert F., assignor.)

General Electric Company. (See Pratt, William H., assignor.)

General Electric Company. (See Randall, J. T., and Ryde, assignors.)

General Electric Company. (See Rompe, R., and Thouret, assignors.)

General Electric Company. (See Safford, Moyer M., assignor.)

General Electric Company. (See Sweet, Alva L., assignor.)

General Electric Company. (See Thompson, Louis W., assignor.)

General Electric Company. (See Watts, Noble H., assignor.)

General Electric Vapor Lamp Company. (See Walker, Warren R., assignor.)

General Motors Corporation. (See Delaval-Crow, Thomas C., assignor.)

General Motors Corporation. (See Geyer, Harvey D., assignor.)

General Motors Corporation. (See Hull, H. B., and McCormack, assignors.)

General Motors Corporation. (See Rabezzana, Hector, assignor.)

General Motors Corporation. (See Smith, Hazor J., assignor.)

General Motors Corporation. (See Spicacci, Attilio R., assignor.)

General Motors Corporation. (See Webb, Hartwell W., assignor.)

General Railway Signal Company. (See Blodgett, Edwin O., assignor.)

General Railway Signal Company. (See Field, Oscar S., assignor.)

General Railway Signal Company. (See Howe, Winthrop K., assignor.)

General Railway Signal Company. (See Powell, Winfred T., assignor.)

General Railway Signal Company. (See Preston, Neil D., assignor.)

General Railway Signal Company. (See Reichard, Wade H., assignor.)

General Railway Signal Company. (See Willing, Joseph E., assignor.)

Gentry, Hermond G., Lake Village, Ark. Internal combustion engine. 2,136,293; Nov. 8.

Gerber, Emil W. (See Cornell, M. L., and Gerber.)

Gerin, Jacques, Boulogne-sur-Seine, France. Airplane having a variable lifting surface. 2,136,128; Nov. 8.

Germonprez, John A., Grosse Pointe Park, Mich., assignor to Barber-Colman Company, Rockford, Ill. Register. 2,135,810; Nov. 8.

Gerrard Industries Limited. (See Taplin, Harold J., assignor.)

Geyer, Harvey D., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Hydraulic clutch throw-out. 2,135,617; Nov. 8.

Gill, Edward H., assignor to A. A. Kramer, Kansas City, Mo. Combination semitrailer tank and general delivery body. 2,135,573; Nov. 8.

Gillette, LaVergne W., assignor to The Shaw-Walker Company, Muskegon, Mich. Multi-index-insert card for filing systems. 2,135,708; Nov. 8.

Gingrich, Hiram E. (See McDaniel, B. P., and Gingrich.)

Gish, Harold S., Lincoln, Nebr. Collapsible tube and making the same. 2,136,007; Nov. 8.

Gleason Works. (See Wildhaber, Ernest, assignor.)

Globe-Wernicke Company, The. (See Hearn, T., and McKee, assignors.)

Gobeille, Alfred A., Sr., Shannock, R. I. Cushioning device. 2,136,077; Nov. 8.

Goddard & Goddard Company. (See Head, Ernest C., assignor.)

Godwin, Luther L., Meridian, Miss. Agricultural implement. 2,136,129; Nov. 8.

Goetz, Maurus T., Chicago, Ill., assignor, by mesne assignments, to Teletypesetter Corporation. Dual magazine control. 2,136,048; Nov. 8.

Goldhammer, Leo, Munich, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Cinematographic apparatus. 2,135,638; Nov. 8.

Goldsmith, Bertram J., New York, N. Y. Package. 2,136,078; Nov. 8.

Gommel, Dewey E., assignor to E. C. Atkins and Company, Indianapolis, Ind. Saw set. 2,135,891; Nov. 8.

Gonard, John L., Englewood Cliffs, N. J. Spring suspension. 2,136,294; Nov. 8.

Goodman Manufacturing Company. (See Cartlidge, Frank, assignor.)

Gordon, George B., New York, N. Y. Coupling for wires or electrical conductors. 2,135,937; Nov. 8.

Gorham, William R., Shibuya-ku, Tokyo, Japan. Turret centering and locking mechanism. 2,135,639; Nov. 8.

Gorlenko, Louis, Arlington, Va. Vehicle body. 2,136,130; Nov. 8.

Gormley, Frank L., Brookline, Mass., assignor to The Buda Company, Harvey, Ill. Lifting jack. 2,135,938; Nov. 8.

Goslin, Bert G., assignor to Sherriff-Goslin Co., Battle Creek, Mich. Joiner shingle. 2,135,811; Nov. 8.

Graban, George D., Campbell, Ohio. Apparatus for preserving poles and the like. 2,135,974; Nov. 8.

Grady, Lester D., Jr. (See Gamble, D. L., and Grady.)

Granberg Meter Corporation. (See Saarinen, Armas J., assignor.)

Granstedt, Karl E., assignor to Aktiebolaget Formator, Stockholm, Sweden. Cigar machine. 2,135,892; Nov. 8.

Grant, Arthur C., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Zone air conditioning system. 2,136,336; Nov. 8.

Graves, George D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Acetic-pyruvic anhydride. 2,135,709; Nov. 8.

Gray, Milton, assignor to E. L. Bruce Company, Memphis, Tenn. Coating lumber to prevent end checking. 2,136,351; Nov. 8.

Gray, Samuel E., Oklahoma City, Okla. Rigid coupling for sucker rods. 2,135,812; Nov. 8.

Green, H. C. (See Lawson, R. H., Green, and Smith.)

Green, James L., Cleveland, Ohio, and F. T. Hicks, Detroit, Mich., assignors to The Indemse Corporation. Electrical apparatus. 2,136,337; Nov. 8.

Green, Newton B. (See Darling, H. R., and Green.)

Green, Robert G., Minneapolis, Minn. Distemper vaccine and preparing the same. 2,136,131; Nov. 8.

Greenfield Tap and Die Corporation. (See Kuhn, Karl A., assignor.)

Greenfield Tap and Die Corporation. (See Schwister, Anton J., assignor.)

Greenpoint Metallic Bed Co. (See Elder, Charles J., assignor.)

Gregory, Walter, Floyd, N. Mex. Cattle chute restraining means for use in dehorning. 2,136,008; Nov. 8.

Grigsby, Marion W., Chicago, Ill. Shirt. 2,135,502; Nov. 8.

Grine, Harry A. (See Crawford, B. D., and Grine.)

Grinsted, William H. (See Sutton, G. W., and Grinsted.)

Gross, Henry R. (See Clarke, Henry B., assignor.)

Grounds, Fred A., assignor, by mesne assignments, to The Martin Wagon & Trailer Company, Lufkin, Tex. Dump truck trailer. 2,135,871; Nov. 8.

Grunig, Bernhard C., Chicago, Ill. Coin chute. 2,135,710; Nov. 8.

Gulden, Kenneth C., assignor of one-half to J. P. Johnson, St. Paul, Minn. Dispensing container. 2,136,338; Nov. 8.

Gulfelt, Lars, Redford, Mich. Tool holder. 2,136,190; Nov. 8.

Gullo, Anthony, San Jose, Calif. Shock absorber. 2,135,749; Nov. 8.

Guntrip, Frederick E., Santa Barbara, Calif. Container. 2,135,503; Nov. 8.

H. B. Motor Corporation. (See Harper, William, Jr., assignor.)

H & H Tube & Mfg. Co. (See Higgins, Clifford B., assignor.)

Hack, Nathan, Detroit, Mich. Orthopedic shoe. 2,135,504; Nov. 8.

Hagen, Margaret, administratrix. (See Hagen, Paul.)

Hagen, Paul, deceased, by M. Hagen, Brooklyn, N. Y., administratrix. Daylight loading device for developer tanks. 2,135,618; Nov. 8.

Hagen, Wilhelm, Berlin, and W. Thouret, Berlin-Wilmersdorf, Germany, assignors to General Electric Company. Gaseous electric discharge device. 2,135,661; Nov. 8.

Hall, Donald R., Beloit, Wis., assignor to Gardner Machine Company, South Beloit, Ill. Work fixture. 2,135,505; Nov. 8.

Hall, Edward H., Chicago, Ill. Method and apparatus for synchronizing strip feeding and fabricating movements. 2,136,210; Nov. 8.

Hall, Frank A., & Sons. (See Stevens, Richard M., Sr., assignor.)

Halleck, Frank A., Michigan City, Ind., assignor to Sullivan Machinery Company. Fluid compressor. 2,136,339; Nov. 8.

Haller, Erwin. (See Valentin, C., and Haller.)

Hamilton, Alex K. (See Kimmel, C. P., and Hamilton.)

Hamilton, Lilian L., executrix. (See Kimmel, C. P., and Hamilton, assignors.)

Hammond, John M., Washington, D. C., assignor to The Varnish Products Company, Cleveland, Ohio. Photoengraving. 2,136,176; Nov. 8.

Handley, John, London, England. Ticket printing and issuing machine for totalizators. 2,135,574; Nov. 8.

Hänlein, Walter, Berlin-Haselhorst, and H. Krefft, Berlin-Friedrichshagen, Germany, assignors to General Electric Company. Glass composition. 2,135,663; Nov. 8.

Hansch, August C., Cliffside, and H. E. Hansch, Whippany, N. J.; said A. C. Hansch assignor to F. J. McCann and J. F. Monahan. Camera stop device and timing means therefor. 2,135,506; Nov. 8.

Hansch, August C., Cliffside, and H. E. Hansch, Whippany, N. J.; said A. C. Hansch assignor to F. J. McCann and J. F. Monahan. Camera stop device. 2,135,507; Nov. 8.

Hansch, August C., Cliffside, and H. E. Hansch, Whippany; said A. C. Hansch assignor to O. Platz, Dumont, N. J. Flash exposure device for cameras. 2,135,575; Nov. 8.

Hansch, Henry E. (See Hansch, August C. and H. E.)

Hansen, Frank J., Omaha, Nebr., assignor of one-half to J. C. Valentine, Sioux City, Iowa. Throttle valve control means for internal combustion engines. 2,136,295; Nov. 8.

Hanson, Milton E., Collingswood, N. J., assignor to B. F. Sturtevant Company. Heat exchange system. 2,136,132; Nov. 8.

Harding, Margaret, Omaha, Nebr. Air filter for wall registers. 2,135,750; Nov. 8.

Hardy, Arthur C., Wellesley, Mass., assignor to Interchemical Corporation, New York, N. Y. Printing plate. 2,136,340; Nov. 8.

Hardy, Vernal R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitrogen-containing cellulose derivatives. 2,136,296; Nov. 8.

Harmon, Edward F., Flushing, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Machine for packaging tooth brushes. 2,135,751; Nov. 8.

Harner, Harold R., F. H. Schultz, and E. J. Ritchie, Joplin, Mo., assignors to The Eagle-Picher Lead Company, Cincinnati, Ohio. Storage battery positive electrode and making the same. 2,136,241; Nov. 8.

Harper, William, Jr., Port Washington, assignor to H. B. Motor Corporation, New York, N. Y. Differential pressure mechanism. 2,135,939; Nov. 8.

Harris, Reed S., San Francisco, Calif., assignor to Oswego Falls Corporation, Fulton, N. Y. Container lifter. 2,136,297; Nov. 8.

Harrison, Charles F. R., A. M. Clark, and C. L. Hilton, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Manufacture of sulphuric acid by the contact process. 2,136,298; Nov. 8.

Hartford-Empire Company. (See Wadman, Harold A., assignor.)

Hartman, Joseph A., Grand Rapids, Mich. Wastebasket. 2,135,813; Nov. 8.

Haskins, Butler J., assignor to Joseph Weidenhoff Inc., Chicago, Ill. Device for feeding fluid to the motor portions of internal combustion engines. 2,136,079; Nov. 8.

Haskins, Joseph F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Aminocellulose derivatives. 2,136,299; Nov. 8.

Haupt, Herbert, Mount Healthy, assignor to Littleford Brothers, Cincinnati, Ohio. Apparatus for distributing liquids on roads. 2,136,242; Nov. 8.

Hauser, Hermann, Binningen, and M. Bommer, Riehen, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Pyrazole-anthrones and making same. 2,136,133; Nov. 8.

Hazard, Charles S., New York, N. Y., assignor to Neptune Meter Company. Auxiliary power drive. 2,135,576; Nov. 8.

Head, Ernest C., assignor of one-half to Goddard & Goddard Company, Inc., Detroit, Mich. Gear cutter. 2,135,893; Nov. 8.

Head, Ernest C., assignor of one-half to Goddard & Goddard Company, Inc., Detroit, Mich. Machine for forming spiral bevel gear cutters. 2,135,894; Nov. 8.

Hearn, Thomas, Ludlow, Ky., and G. S. McKee, Cincinnati, assignors to The Globe-Wernicke Company, Norwood, Ohio. Letter tray. 2,135,814; Nov. 8.

Hecht, Vernon G., assignor to The Meyer-Hecht Company, Cincinnati, Ohio. Surfacing plate. 2,135,815; Nov. 8.

Hedding, Linnie K., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical regulating apparatus for rectifiers. 2,136,243; Nov. 8.

Hedley, Norman, Westfield, N. J., assignor to American Cyanamid Company of New York, N. Y. Flotation of culm. 2,136,341; Nov. 8.

Heidbrink, Jay A., Minneapolis, Minn., assignor to The Ohio Chemical and Manufacturing Company, Cleveland, Ohio. Absorber and rebreathing mechanism for anesthetizing machines. 2,136,244; Nov. 8.

Heidbrink, Jay A., Minneapolis, Minn., assignor to The Ohio Chemical and Manufacturing Company, Cleveland, Ohio. Ether vaporizer. 2,136,245; Nov. 8.

Heil Co., The. (See Heil, Julius P., assignor.)

Heil, Hanns, Munich, assignor to the firm Deutsche Kurtin-Oel-Fabriken, Neubiberg, near Munich, Bavaria, Germany. Air tube packing. 2,135,940; Nov. 8.

Heil, Julius P., Whitefish Bay, assignor to The Heil Co., Milwaukee, Wis. Scraper. 2,136,102; Nov. 8.

Heinemann, Erwin. (See Fehr, K., Heinemann, and Schneider.)

Helberger, Johann H., Cologne-Mulheim, and H. Ohlendorf, Dessau, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs. 2,136,300; Nov. 8.

Helmbright, Henry H., Cleveland Heights, Ohio, assignor to General Electric Company. Lamp holder. 2,136,246; Nov. 8.

Hemphill Company. (See Lawson, R. H., Green, and Smith, assignors.)

Hendrick, Harve H. (See Walters, A. L., and Hendrick.)

Hensel, Franz R., and E. I. Larsen, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Copper alloy. 2,136,211; Nov. 8.

Hensel, Franz R., and E. I. Larsen, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Copper alloys. 2,136,212; Nov. 8.

Herbst, Philip J., Merchantville, N. J., assignor to Radio Corporation of America. Television distribution. 2,135,577; Nov. 8.

Hercules Powder Company. (See Borglin, Joseph N., assignor.)

Hercules Powder Company. (See Humphrey, Irvin W., assignor.)

Hercules Powder Company. (See Stuart, Joseph, II, assignor.)

Hering, Ewald, Berlin-Siemensstadt, Germany. Transmission mechanism. 2,136,049; Nov. 8.

Herold, Lawrence C., Lakewood, Ohio. Making brushes. 2,136,103; Nov. 8.

Hess & Cie. (See Honegger, Walter, assignor.)

Hewitt Rubber Corporation. (See Berman, M., and Brockner, assignors.)

Hewton, William R. (See Bird, W. F., and Hewton.)

Hewton, William R., assignor to Collins & Aikman Corporation, Philadelphia, Pa. Loom shuttle. 2,135,664; Nov. 8.

Heywood-Wakefield Company. (See Parrish, F. T., and Frazee, assignors.)

Hibbard, Robert L., assignor of one-half to W. K. Stamets, Pittsburgh, Pa. Cylinder boring machine. 2,135,508; Nov. 8.

Hicks, Frederick T. (See Green, J. L., and Hicks.)

Hiers, Glen S., Bala-Cynwyd, assignor to Collins & Aikman Corporation, Philadelphia, Pa. Manufacture of pile fabrics. 2,135,711; Nov. 8.

Hiers, Glen S., Bala-Cynwyd, assignor to Collins & Aikman Corporation, Philadelphia, Pa. Producing air permeable pile fabric. 2,135,712; Nov. 8.

Higgins, Clifford B., assignor to H & H Tube & Mfg. Co., Detroit, Mich. Treating thin strip metal. 2,135,713; Nov. 8.

Higgins, Eric B., Punchetts, Twein Wood, England. Production of polar adsorbents. 2,136,167; Nov. 8.

Hild, Frederic W., Los Angeles, Calif. Drilling control. 2,136,356; Nov. 8.

Hills, Joseph J., Birmingham, Ala. Tie and clamp means for concrete forms. 2,135,509; Nov. 8.

Hilton, Charles L. (See Harrison, C. F. R., Clark, and Hilton.)

Hineline, Edson S., Irondequoit, assignor to Folmer Graflex Corporation, Rochester, N. Y. Making photographic records of counting mechanism before and after use. 2,136,262; Nov. 8.

Hinman, Walker M., Winnetka, assignor to The Frederick Post Company, Chicago, Ill. Development of exposed blueprint sheets. 2,135,872; Nov. 8.

Hintsches, Karl, Oberkotzau, Germany. Production of the contours in the drawing to be transferred by heliogravure upon the intaglio cylinders or plates. 2,135,816; Nov. 8.

Hirmann, Julius, Hillside, N. J., assignor to Radio Corporation of America. Electrode structure. 2,135,941; Nov. 8.

Hoban, Fairfield W., assignor to Stewart and McGuire, Incorporated, New York, N. Y. Dispensing apparatus for vending machines. 2,135,665; Nov. 8.

Hoddy, George W. (See Hoddy, Joseph S. and G. W.)

Hoddy, Joseph S. and G. W., assignors to A. G. Redmond Co., Flint, Mich. Dynamo-electric machine. 2,136,301; Nov. 8.

Hodgman, Frederick S., Glen Rock, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Mechanical servo mechanism. 2,136,213; Nov. 8.

Hoe, R., & Co. (See Horton, Albert J., assignor.)

Holden, James B., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Pigmented rubber hydrohalides. 2,136,342; Nov. 8.

Holden, Orloff W., assignor to Knickerbocker Rubber Company, Chicago, Ill. Spray head. 2,136,050; Nov. 8.

Holland, Joseph J., Jr., Greenville, Miss. Block making machine. 2,136,009; Nov. 8.

Holley, Frank J., Ventura, Calif. Graphic pattern or recording machine. 2,136,134; Nov. 8.

Hollingsworth, Alfred V., Indianapolis, assignor to The American Foundry Equipment Company, Mishawaka, Ind. Centrifugal abrading device. 2,135,510; Nov. 8.

Holm, Melvin M. (See Lyman, A. L., and Holm.)

Holm, Melvin M. (See Shiffler, W. H., and Holm.)

Holmes, Harold H., Brighton, assignor to A. S. Campbell Co., Inc., East Boston, Mass. Dispenser for foods and the like. 2,136,263; Nov. 8.

Holtmeier, Anton, Dusseldorf-Hilden, Germany. Lathe with horizontal faceplate. 2,135,640; Nov. 8.

Holven, Alfred L., Crockett, Calif. Method and apparatus for indicating the degree of supersaturation of a boiling solution. 2,135,511; Nov. 8.

Holven, Alfred L., Crockett, Calif. System of control for evaporating apparatus. 2,135,512; Nov. 8.

Holven, Alfred L., Crockett, Calif. Apparatus for controlling the concentration of boiling solutions. 2,135,513; Nov. 8.

Holzach, Karl. (See Bienert, B., and Holzach.)

Honegger, Walter, Ruti, assignor to Hess & Cie, Pilgersteg, near Ruti, Switzerland. Adjusting and fixing device on ski bindings. 2,135,895; Nov. 8.

Hopwood, John M. (See Markson, Alfred A., assignor.)

Horton, Albert J., White Plains, assignor to R. Hoe & Co., Inc., New York, N. Y. Web supply mechanism for printing machines. 2,135,975; Nov. 8.

Houdaille-Hershey Corporation. (See Mabee, Alexander C., assignor.)

Housdorfer, Carl R., Maumee, Ohio. Chip conveyer. 2,136,010; Nov. 8.

Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Train control system for railroads. 2,135,514; Nov. 8.

Howland, Henry R., Brooklyn, N. Y. Safety book match. 2,136,051; Nov. 8.

Hubbard and Company. (See Peirce, Charles L., Jr., assignor.)

Hughey, Carter J., assignor to Eastman Kodak Company, Rochester, N. Y. Film handling apparatus. 2,135,817; Nov. 8.

Hull, Harry B., and A. A. McCormack, Dayton, Ohio, assignors, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 2,135,515; Nov. 8.

Hulsman, Walter C. (See Evans, H. R., and Hulsman.)

Humphrey, Irvin W., assignor to Hercules Powder Company, Wilmington, Del. Preparation of terpene ethers. 2,136,011; Nov. 8.

Hunsaker, Claude H., University City, Mo. Trussed apparatus. 2,135,818; Nov. 8.

Hunt, George H., Detroit, Mich., assignor, by mesne assignments, to Detroit Hydrostatic Brake Corporation. Brake mechanism. 2,135,666; Nov. 8.

Hurley, Roy T., Dobbs Ferry, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Ignition device. 2,136,052; Nov. 8.

Hurxthal, Alpheus O., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Roll type drier. 2,135,516; Nov. 8.

Hybinette, Noak V., Jackson, Mich. Aluminum base alloy. 2,136,053; Nov. 8.

Hydraulic Press Corporation, The. (See Ernst, Walter, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Kiesskalt, S., Tampke, Weingaertner, and Winnacker, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Maier, Walter, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Oehlert, Hans, assignor.)

Ihagee Kamerawerk Steenbergen & Co. (See Nüchterlein, Karl, assignor.)

Imperial Chemical Industries Limited. (See Bennett, Nicholas, assignor.)

Imperial Chemical Industries Limited. (See Harrison, C. F. R., Clark, and Hilton, assignors.)

Imperial Chemical Industries Limited. (See Mitchell, Walter, assignor.)

Imperial Chemical Industries Limited. (See Pirie, Harold, assignor.)

Indemse Corporation, The. (See Green, J. L., and Hicks, assignors.)

Industrial Dyestuff Company. (See Norman, Simon, assignor.)

Industrial Rayon Corporation. (See Jordan, L. J., and Walters, assignors.)

Inman, George E., East Cleveland, Ohio, assignor to General Electric Company. Electric lamp. 2,135,714; Nov. 8.

Inman, George E., East Cleveland, Ohio, assignor to General Electric Company. Electric lamp. 2,135,715; Nov. 8.

Interchemical Corporation. (See Hardy, Arthur C., assignor.)

International Business Machines Corporation. (See Bryce, James W., assignor.)

International Business Machines Corporation. (See Miles, Joseph W., assignor.)

International Business Machines Corporation. (See Nichols, Harry J., assignor.)

International Business Machines Corporation. (See Petz, John L., assignor.)

International Door Company. (See Shields, John W., assignor.)

International Harvester Company. (See Johnston, Edward A., assignor.)

International Harvester Company. (See Millard, Lee P., assignor.)

Isbell, George, Elkhart, and E. J. C. Rogers, Huntington, Ind.; said Isbell assignor to said Rogers. Foldable bed. 2,135,517; Nov. 8.

Jacobson, Ralph A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Esters of C-dialkylglycines. 2,135,641; Nov. 8.

Jacobstein, Hyman, New Rochelle, N. Y. Cigar box. 2,135,518; Nov. 8.

Jameson, Charles M., Pasadena, Calif., assignor to Automotive Devices, Inc. Preventing the backrolling of autos. 2,135,896; Nov. 8.

Jameson, Charles M., Los Angeles, Calif., assignor to Automotive Devices, Inc. Automatic brake device. 2,135,897; Nov. 8.

Jamison, George C., Wapello, Iowa. Casket positioning device. 2,135,898; Nov. 8.

Jarosik, Andrew J., assignor to The Murray Corporation of America, Detroit, Mich. Forming trim panels. 2,135,578; Nov. 8.

Jenkins, Edwin M. (See Scudder, C. J., and Jenkins.)

Jenkins Music Company. (See Winans, Fonville, assignor.)

Jennings, Leo J., Beverly Hills, Calif. Traffic signal and lighting system. 2,136,191; Nov. 8.

Jenson, Kenneth S., assignor to American Gas Machine Company, Albert Lea, Minn. Furnace door. 2,135,899; Nov. 8.

Jessen, Arnold H., Los Angeles, Calif. Automative transmission. 2,136,104; Nov. 8.

Jobst, Günther, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electron discharge device. 2,136,105; Nov. 8.

Johner, Hans, and G. Bonhôte, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Pseudo-azimido-benzene-amino-acyloacetic acid esters. 2,136,135; Nov. 8.

Johner, Hans, and G. Bonhôte, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Dyestuffs. 2,136,136; Nov. 8.

Johnson, Albert R. (See Sandstrom, Peter F., assignor.)

Johnson, Arthur A., Bridgeport, Conn., assignor to Autographic Register Company, Hoboken, N. J. Manifolding. 2,136,343; Nov. 8.

Johnson, Axel, deceased, by G. W. Johnson and L. A. Johnson, executors, and G. W. Johnson, Oakland, Calif. Can body making machine. 2,135,579; Nov. 8.

Johnson, Edward C., Chicago, Ill. Target device. 2,135,667; Nov. 8.

Johnson, George W., executor. (See Johnson, Axel and G. W.)

Johnson, Herbert B., assignor to Ritter Products Corporation, Rochester, N. Y. Method and apparatus for separating foodstuff of the nature of cocoa beans. 2,135,716; Nov. 8.

Johnson, Joseph P. (See Gulden, Kenneth C., assignor.)

Johnson & Johnson. (See L'Hommedieu, Paige D., assignor.)

Johnson Laboratories Incorporated. (See Dumert, Victor, assignor.)

Johnson Laboratories, Inc. (See Polydoroff, W. J., and Sinninger, assignors.)

Johnson Laboratories, Inc. (See Sinninger, Dwight V., assignor.)

Johnson, Lloyd A., executor. (See Johnson, Axel and G. W.)

Johnston, Edward A., Chicago, Ill., assignor to International Harvester Company. Stabilizer for track type tractors. 2,135,619; Nov. 8.

Jones, Edwin B., Harrisburg, Pa. Shirt collar clamp. 2,135,753; Nov. 8.

Jones, Frank L., Punxsutawney, Pa., and R. J. Kirschmaier, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Making metal reflectors. 2,135,873; Nov. 8.

Jones, Henry R., Litherland, Liverpool, assignor of one-half to W. Dryden, Preston, England. Masticating mill. 2,135,754; Nov. 8.

Jones, John N., Himrod, N. Y. Container and closing cap therefor. 2,135,752; Nov. 8.

Jones, Sidney A., Fort Lauderdale, Fla. Ventilated awning shutter. 2,136,012; Nov. 8.

Jordan, Lavern J., Fairview Village, and C. C. Walters, assignor to Industrial Rayon Corporation, Cleveland, Ohio. High speed spindle. 2,135,519; Nov. 8.

Joy, Joseph F., Claremont, N. H., assignor to Sullivan Machinery Company. Hydraulic abutment device. 2,136,080; Nov. 8.

Judelshon, Oscar I., Park Ridge, N. J. Spooling machine. 2,135,668; Nov. 8.

Judson, Henry H. (See Snyder, Herald T., assignor.)

K-D Manufacturing Company. (See Kulp, Harry W., assignor.)

Kabo Corset Co. (See Bertrams, Elsa, assignor.)

Kairis, Milton. (See Silzus, J., and Kairis.)

Kane, James H., assignor of one-half to A. T. Roche, San Francisco, Calif. Greenhouse. 2,136,192; Nov. 8.

Karst, Howard C., Hanover, Pa., assignor to Belden Manufacturing Company, Chicago, Ill. Attachment plug. 2,136,193; Nov. 8.

Keith, Virgil, Fort Worth, assignor to J. A. Somerville, Dallas, Tex. Top icing loaded refrigerator cars and the like. 2,136,214; Nov. 8.

Kelley-Koett Manufacturing Company, The. (See Mowry, William W., assignor.)

Kellogg Compressor and Manufacturing Corporation. (See Browne, Lindsay H., assignor.)

Kellogg, Ralph S., Royal Oak, assignor to Packard Motor Car Company, Detroit, Mich. Vehicle wheel. 2,136,137; Nov. 8.

Kenlea Manufacturing Corporation. (See Lea, Harry K., assignor.)

Kennecott Copper Corporation. (See Sullivan, J. D., and Niconoff, assignors.)

Kern, Emil, assignor to Acco Products, Inc., Long Island City, N. Y. Filing device. 2,136,168; Nov. 8.

Kern, Lillian M., Portland, Maine, assignor, by mesne assignments, to Sidney H. Rabinowitz, Brookline, Mass. Sausage and preparing same. 2,136,106; Nov. 8.

Kern, Wilhelm, assignor to the firm of Carl Zeiss, Jena, Germany. Stereophotogrammetric plotting apparatus. 2,136,081; Nov. 8.

Ketterlinus Lithographic Manufacturing Company. (See Schwartz, Eugene, assignor.)

Keuffel, Adolf W., Montclair, assignor to Keuffel & Esser Company, Hoboken, N. J. Slide rule indicator. 2,136,169; Nov. 8.

Keuffel & Esser Company. (See Keuffel, Adolf W., assignor.)

Kiesskalt, Siegfried, H. Tampke, E. Weingaertner, and K. Winnacker, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Kneading apparatus. 2,136,264; Nov. 8.

Kimmel, Charles P., Gary, Ind., and A. K. Hamilton, deceased, Chicago, Ill.; L. L. Hamilton, executrix. Piling and stacking apparatus. 2,135,669; Nov. 8.

Kinatome Patents Corporation. (See Foster, Warren D., assignor.)

King, Clark C., assignor to Jos. J. Kovar Co., Inc., Owatonna, Minn. Ground working implement. 2,135,580; Nov. 8.

Kirchner, Henry P., and R. C. Benner, assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Producing carbides. 2,136,107; Nov. 8.

Kirschmaier, Raymond J. (See Jones, F. L., and Kirschmaier.)

Klix, Paul T., assignor to W. C. Lipe, Inc., Syracuse, N. Y. Adjustable chamfering tool and holder. 2,135,819; Nov. 8.

Klopfer, Volkmar, Dresden, Germany. Production of durable polysulphide solutions suitable for injection. 2,135,642; Nov. 8.

Knibbs, Norman V. S., Westwood, New Barn, Longfield, and A. P. Pehrson, Streatham, London, assignors to The Continental Investment Syndicate Limited, London, England. Utilization of colliery shale and other waste bituminous shales in the manufacture of cementitious products. 2,135,542; Nov. 8.

Knickerbocker Rubber Company. (See Holden, Orloff W., assignor.)

Knoop, William A., Hempstead, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Synchronous receiving system. 2,135,581; Nov. 8.

Koch, Winfield R., Merchantville, N. J., assignor to Radio Corporation of America. Automatic gain control circuit. 2,135,942; Nov. 8.

Kochheiser, Max L., and S. A. Steere, Akron, Ohio, assignors to Wingfoot Corporation, Wilmington, Del. Tension testing machine. 2,136,344; Nov. 8.

Koehring Company. (See Lichtenberg, E. H., and Sheck, assignors.)

Koenig, Walter J., Philadelphia, Pa., assignor to Sloane-Blabon Corporation, Trenton, N. J. Composition of matter and making the same. 2,135,976; Nov. 8.

Koenig, Walter J., Philadelphia, Pa., assignor to Sloane-Blabon Corporation, Trenton N. J. Printing composition and manufacture. 2,136,108; Nov. 8.

Kohler, Carl J., Kohler, Wis. Vacuum breaker. 2,135,582; Nov. 8.

Konoff, Alexander, Brooklyn, N. Y., assignor, by mesne assignments, to Conmar Products Corporation, Bayonne, N. J. Making slide fasteners. 2,135,717; Nov. 8.

Kornahrens, John H. O., Rego Park, assignor to The C. E. Sheppard Co., Long Island City, N. Y. Visible shift binder. 2,135,943; Nov. 8.

Korting & Mathiesen Aktiengesellschaft. (See Müller, Arthur, assignor.)

Körting & Mathiesen Aktiengesellschaft. (See Werner, Felix, assignor.)

Kovar, Jos. J., Co. (See King, Clark C., assignor.)

Kramer, Andrew A. (See Gill, Edward H., assignor.)

Krause, Carl H., assignor to Sloan Valve Company, Chicago, Ill. Valve. 2,135,670; Nov. 8.

Krebser, Adolf, Riehen, near Basel, assignor to the firm J. R. Geigy A. G., Basel, Switzerland. Diazo dyestuffs and their preparation. 2,136,138; Nov. 8.

Krefft, Hermann. (See Hänlein, W., and Krefft.)

Krefft, Hermann, Berlin-Friedrichshagen, and A. Rüttenauer, Berlin-Halensee, Germany, assignors to General Electric Company. Gaseous electric discharge lamp device. 2,135,718; Nov. 8.

Krefft, Hermann, Berlin-Friedrichshagen, W. Wilde, Berlin-Zehlendorf, and K. Larché, Berlin-Tempelhof, Germany, assignors to General Electric Company. Electric lamp. 2,135,719; Nov. 8.

Kress, Claude W., New York, N. Y. Merchandise display. 2,136,109; Nov. 8.

Krieg, Alfred, Woodbury, N. J., assignor to Socony Vacuum Oil Company, Incorporated, New York, N. Y. Thermocouple well. 2,135,720; Nov. 8.

Krieg, Walter K., and E. Scheller, assignors to the firm Carl Zeiss, Jena, Germany. Electrode feeding mechanism for arc lamps. 2,136,082; Nov. 8.

Kroenlein, Henry A., Cleveland, Ohio, assignor, by mesne assignments, to General Electric Company. Vacuum cleaner. 2,136,247; Nov. 8.

Kuchar, Joseph, assignor to Athey Truss Wheel Co., Chicago, Ill. Vehicle. 2,135,820; Nov. 8.

Kueffer, E. H. (See Trautner, Wagn, assignor.)

Kuhn, Karl A., assignor to Greenfield Tap and Die Corporation, Greenfield, Mass. Die stock. 2,135,671; Nov. 8.

Kühni, Hans, Basel, Switzerland, assignor to L'Air Liquide Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude, Paris, France. Bubble plate for contacting gases and liquids. 2,136,139; Nov. 8.

Kulp, Harry W., assignor to K-D Manufacturing Company, Lancaster, Pa. Grinding tool. 2,135,900; Nov. 8.

L'Air Liquide Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. (See Kühni, Hans, assignor.)

Lakeside Central Company, The. (See Olgay, Albert M., assignor.)

Lamson Company, The. (See Taylor, William J., assignor.)

Landenberger, Henry W., assignor to American Engineering Company, Philadelphia, Pa. Apparatus for pressure testing. 2,135,721; Nov. 8.

Lane Company, The. (See Loftin, Grady A. and L. K., assignors.)

Lane, Gerould T., and R. W. Peters, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Sizing paper. 2,136,110; Nov. 8.

Langsner, Adolph, assignor to Eugene Dietzgen Co., Chicago, Ill. Drafting apparatus. 2,136,140; Nov. 8.

Larché, Kurt. (See Krefft, H., Wilde, and Larché.)

Larmloc Corporation. (See Michel, Edmond, assignor.)

Larsen, Earl I. (See Hensel, F. R., and Larsen.)

Laucks, I. F., Inc. (See Lawshe, Walter D., assignor.)

Laurent, Milton P., assignor to W. K. M. Company, Incorporated, Houston, Tex. Brake. 2,136,111; Nov. 8.

Laurent, Pierre G. (See Augier, J., and Laurent.)

Lawshe, Walter D., assignor to I. F. Laucks, Inc., Seattle, Wash. Slat assembling device. 2,135,755; Nov. 8.

Lawson, Robert H., Pawtucket, H. C. Green, Central Falls, and W. L. Smith, Jr., Pawtucket, assignors to Hemphill Company, Central Falls, R. I. Yarn feeding means for knitting machines. 2,135,756; Nov. 8.

Layne, Leslie A., Houston, Tex. Combination packer. 2,135,583; Nov. 8.

Lea, Harry K., assignor to Kenlea Manufacturing Corporation, Johnstown, N. Y. Elastic fabric. 2,135,901; Nov. 8.

Lee, George A. (See Coleman, A. M., Bater, and Lee.)

Lee, Horatio H., Double Bay, near Sydney, New South Wales, Australia. Drive transmission means for motor-road vehicles. 2,135,722; Nov. 8.

Leece, Bennett M., Shaker Heights, assignor to The Leece-Neville Company, Cleveland, Ohio. Regulating device. 2,135,977; Nov. 8.

Leece-Neville Company, The. (See Leece, Bennett M., assignor.)

Lefler Patent Company. (See Fisher, G., and Tandler, assignors.)

Lefler Patent Company. (See Tandler, W. S., and Fisher, assignors.)

Leighton, John W., Port Huron, Mich. Hydraulic brake cylinder and making same. 2,136,302; Nov. 8.

Leister, Fayette, Detroit, Mich., assignor to The Fafnir Bearing Company, New Britain, Conn. Bearing. 2,135,902; Nov. 8.

Lentz, Hugo J., Vienna, Austria. Insert for converting piston-valve engines into poppet-valve engines. 2,136,013; Nov. 8.

Lever Brothers Company. (See Andersen, Carl N., assignor.)

Levings, Sherburne D., Winnetka, assignor to The Bastian-Blessing Company, Chicago, Ill. Beverage dispensing bar. 2,135,821; Nov. 8.

L'Hommedieu, Paige D., assignor to Johnson & Johnson, New Brunswick, N. J. Appliance for dispensing dental cotton. 2,136,352; Nov. 8.

Lichtenberg, Erich H., and O. Sheck, assignors to Koehring Company, Milwaukee, Wis. Discharge for concrete mixers. 2,135,874; Nov. 8.

Lieber, James H., St. Louis, Mo. Coffee-making apparatus. 2,135,903; Nov. 8.

Lindeberg, Carl, assignor to The Rudolph Wurlitzer Company, De Kalb, Ill. Accordion shift mechanism. 2,136,112; Nov. 8.

Lindstrom, Herbert H., assignor of one-half to A. O. Long, Kansas City, Mo. Drive gearing for washing machines and the like. 2,135,904; Nov. 8.

Lipe, W. C., Inc. (See Klix, Paul T., assignor.)

Littleford Brothers. (See Haupt, Herbert, assignor.)

Locke Insulator Corporation. (See Vrooman, Edward C., assignor.)

Lochr, Leslie K., and W. E. Burdick, assignors to The Startomatic Corporation, Los Angeles, Calif. Automatic starting mechanism. 2,135,620; Nov. 8.

Loftin, Grady A. and L. K., assignors to The Lane Company, Inc., Altavista, Va. Lock. 2,135,905; Nov. 8.

Loftin, Grady A. and L. K., assignors to The Lane Company, Inc., Altavista, Va. Hinge. 2,136,141; Nov. 8.

Loftin, Laurence K. (See Loftin, Grady A. and L. K.)

Loftus, Fred H., Mount Lebanon, Pa. Cleaning checkerwork. 2,136,113; Nov. 8.

Lohr, Raymond, Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Toy fire house. 2,135,584; Nov. 8.

Lomax, Clarence E., Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,135,822; Nov. 8.

Long, A. O. (See Lindstrom, Herbert H., assignor.)

Long, Herbert J., assignor to United American Bosch Corporation, Springfield, Mass. Lighting control for fuel burners. 2,135,585; Nov. 8.

Lorenz, Anton. (See Stam, Mart, assignor.)

Lorenz, Anton, and A. Gaal, Berlin, Germany. Furniture support. 2,135,586; Nov. 8.

Loughridge, Matthew H. (See Stuart, R., and Loughridge.)

Lovelady, Maurice J., Collingswood, N. J., assignor to Radio Corporation of America. Variable ratio arm bridge. 2,135,587; Nov. 8.

Luertzing, Walter O., assignor to Ace Glass Incorporated, Vineland, N. J. Glass filter. 2,136,170; Nov. 8.

Lumière, Louis, Heuilly-sur-Seine, France. Colored screen for stereoscopic projections. 2,136,303; Nov. 8.

Lummus Cotton Gin Company, The. (See Muirhead, Alfred R., assignor.)

Lundy, Roy G., St. Louis, Mo. Steam jet. 2,136,304; Nov. 8.

Lyman, Arthur L., and M. M. Holm, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Producing motor fuels. 2,135,823; Nov. 8.

Lyon, George A., Detroit, Mich. Wheel disk construction. 2,135,757; Nov. 8.

Lyon, George A., Allenhurst, N. J. Wheel construction. 2,135,758; Nov. 8.

Lyon, Harold L., Honolulu, Hawaii. Engine. 2,135,520; Nov. 8.

M & M Plywood Corporation. (See Cone, Charles N., assignor.)

Mabee, Alexander C., Villa Park, Ill., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich. Automobile lock structure. 2,135,759; Nov. 8.

Mabius, John, Baltimore, Md. Horseshoe. 2,136,215; Nov. 8.

MacFarlane, Harry A., Marinette, Wis. Radio antenna. 2,136,305; Nov. 8.

Magoun, George L., Nitro, W. Va., assignor, by mesne assignments, to Monsanto Chemical Company, Wilmington, Del. Sulphonated alkylated diphenyl compounds and salts thereof. 2,135,978; Nov. 8.

Maier, Walter, Jessnitz, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of halogen alkylamines. 2,136,171; Nov. 8.

Majneri, Ludwig A., Grosse Pointe, Mich. Brake mechanism. 2,136,194; Nov. 8.

Major, Randolph T., Plainfield, and H. T. Bonnett, assignors to Merck & Co. Inc., Rahway, N. J. Homologues of beta-methylcholine halide and their acyl derivatives and processes for their production. 2,135,521; Nov. 8.

Mako, Frank. (See Ralston, H. C., Williams, and Mako.)

Malley, Vincent E., Terryville, Conn., assignor to Eagle lock Co., New York, N. Y. Lock. 2,136,054; Nov. 8.

Mallory, P. R., & Co. (See Fruth, Hal F., assignor.)

Mallory, P. R., & Co. (See Hensel, F. R., and Larsen, assignors.)

Malm, Carl J., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of mixed esters of cellulose. 2,135,979; Nov. 8.

Malm, Carl J., assignor to Eastman Kodak Company, Rochester, N. Y. Refining of cellulose derivatives. 2,135,980; Nov. 8.

Maltby, Maurice E. (See Price, Laurence L.)

Marchev, Alfred, La Grange, assignor to Ditto, Incorporated, Chicago, Ill. Moistening means for duplicators. 2,135,824; Nov. 8.

Marchner, Joseph A., Rochester, N. Y. Heating device for automobiles. 2,135,981; Nov. 8.

Marguerat, Robert, and E. M. Chevrier, Montrouge, France. Apparatus for finishing hollow articles produced directly from paper pulp. 2,135,825; Nov. 8.

Marischal, Omer M. C., Saint Die, France. Signaling lamp. 2,135,826; Nov. 8.

Markson, Alfred A., Kew Gardens, N. Y., assignor to J. M. Hopwood, Dormont, Pa. Control system for steam refrigerating systems. 2,136,114; Nov. 8.

Markwood, Louis N., Washington, D. C. Funnel heating device. 2,135,551; Nov. 8.

Martin, Julian F., Cleveland, Okla. Valve lock. 2,136,216; Nov. 8.

Martin Wagon & Trailer Company, The. (See Grounds, Fred A., assignor.)

Martin, William M. (See Sharp, Henry J., assignor.)

Marty, Mathew J., Chicago, Ill. Automobile heater. 2,135,827; Nov. 8.

Marx, Louis, & Company. (See Lohr, Raymond, assignor.)

Masters, Albert M., Philadelphia, Pa. Blackboard frame construction. 2,135,982; Nov. 8.

Mathey, Alcide E., Auburndale, assignor to Scully Signal Company, Cambridge, Mass. Liquid level indicator. 2,135,522; Nov. 8.

Matthews, W. N., Corporation. (See Birkenmaier, Theodore, assignor.)

Mauser-Werke A. G. (See Ebert, Fritz, assignor.)

May, Trude N. (See Diez, A. M., and May.)

McAfoos, Lawrence R., Pittsburgh, assignor to Reliance Steel Products Company, Rankin, Pa. Furnace door-frame. 2,135,828; Nov. 8.

McBirney, Nettie C., Tulsa, Okla. Piepan. 2,135,782; Nov. 8.

McCaleb, Ruth F., Evanston, Ill. Garment for long-eared dogs. 2,136,115; Nov. 8.

McCallum, Eric S., Hurstville, New South Wales, Australia. Making hinges for doors and the like. 2,135,723; Nov. 8.

McCann, Frank J., et al. (See Hansch, August C. (assignor) and H. E.)

McClintic-Marshall Corporation. (See McDaniel, B. P., and Gingrich, asignors.)

McCloy, David A., Stratford, Ontario, Canada. Roller skate. 2,136,306; Nov. 8.

McCormack, Alex A. (See Hull, H. B., and McCormack.)

McDaniel, Bruce P., and H. E. Gingrich, assignors to McClintic-Marshall Corporation. Storage tank 2,135,724; Nov. 8.

McDonald, Alexander A., Quincy, Mass. Cleat. 2,136,014; Nov. 8.

McDonnell, Everett N., et al. (See Shepherd, Alfred W.)

McGoldrick, William J., Marshfield, assignor, by mesne assignments, to Metals & Controls Corporation, Attleboro, Mass. Control. 2,135,829; Nov. 8.

McKee, Edward R. (See Williams, R. V., and McKee.)

McKee, Grosvenor S. (See Hearn, T., and McKee.)

McKercher, Manford Lemuel. (See Boneysteele, P. L., and McKercher.)

McLachlan, Willard J., Scotia, N. Y., assignor to General Electric Company. Electrical regulation. 2,136,248; Nov. 8.

Merck & Co. Inc. (See Major, R. T., and Bonnett, assignors.)

Mergenthaler Linotype Company. (See Frolander, Frank C., assignor.)

Merlub-Sobel, Menahem, Cleveland, Ohio, assignor to The Beryllium Corporation, New York, N. Y. Producing beryllium alloys. 2,135,983; Nov. 8.

Merritt, Frank R., Haverhill, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Flexible sole. 2,135,725; Nov. 8.

Merry, Edward C., Dickinson, N. Dak., assignor to J. Vernon Neville, Forsyth, Mont. Automotive vehicle. 2,135,906; Nov. 8.

Metal Forming & Coating, Inc. (See Schneider, Hans, assignor.)

Metallic Container Corporation. (See Rosen, David, assignor.)

Metals & Controls Corporation. (See Davignon, Victor D., assignor.)

Metals & Controls Corporation. (See McGoldrick, William J., assignor.)

Meurling, Ivar, Swarthmore, Pa., assignor, by mesne assignments, to American Viscose Corporation. Rayon-Spinning pump. 2,136,142; Nov. 8.

Meyer-Hecht Company, The. (See Hecht, Vernon G., assignor.)

Michaelis, Walter, assignor to B. Gaspar, Brussels, Belgium. Sound film. 2,136,143; Nov. 8.

Michel, Edmond, assignor to Larmloc Corporation, New Orleans, La. Combination switch mechanism. 2,136,307; Nov. 8.

Michelin & Cie. (See Bourdon, Pierre M., assignor.)

Midland Steel Products Company, The. (See Almdale, Elmer, assignor.)

Mid-West Wall Paper Mills. (See Moses, Nicholas P., assignor.)

Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Motor drive unit for cameras. 2,135,984; Nov. 8.

Milas, Nicholas A., Belmont, Mass., and W. L. Walsh, East Greenbush, assignors to Research Corporation, New York, N. Y. Catalytic oxidation of naphthenes. 2,136,144; Nov. 8.

Miles, Joseph W., London, England, assignor to International Business Machines Corporation, New York, N. Y. Recording apparatus. 2,135,944; Nov. 8.

Millard, Lee P., Moline, Ill., assignor to International Harvester Company. Harvester-thresher. 2,135,621; Nov. 8.

Miller, Charles, Jersey City, N. J. Autographic register. 2,135,588; Nov. 8.

Miller, Harold W., Charlevoix, Mich. Marine propulsion unit. 2,135,907; Nov. 8.

Miller, J. C., Company. (See Weisser, Arthur H., assignor.)

Miller, John, New York, N. Y. Means and method for measuring temperatures. 2,136,055; Nov. 8.

Miller, Karl H., Green Bay, assignor to Kimberly Stuart, Neenah, Wis. Method of and apparatus for producing receptacles and the like. 2,136,308; Nov. 8.

Miller, Robert E., Bronxville, N. Y. Furniture leg shoe. 2,135,945; Nov. 8.

Millican, Roy E., Dallas, assignor to L. R. Munger, trustee, Dallas County, Tex. Power transmission. 2,135,908; Nov. 8.

Miner, James H., Meridian, Miss. Refrigerator. 2,136,145; Nov. 8.

Minneapolis-Honeywell Regulator Company. (See Grant, Arthur C., assignor.)

Minneapolis-Honeywell Regulator Company. (See Nessell, Clarence W., assignor.)

Miracle Household Appliance Corporation et al. (See Taxay, Julius, assignor.)

Mitchell, Earle A., Hastings-on-Hudson, assignor to Phelps Dodge Copper Products Corporation, New York, N. Y. Electric cable. 2,135,985; Nov. 8.

Mitchell, John H., Rugby, England, assignor to General Electric Company. Gaseous electric discharge lamp. 2,135,726; Nov. 8.

Mitchell, Walter, Norton-On-Tees, England, assignor to Imperial Chemical Industries, Limited. Condensation process. 2,136,217; Nov. 8.

Moeller, Albert W. R. J. (See Altemus, J. D., and Moeller.)

Monahan, John F., et al. (See Hansch, August C. and H. E.)

Monsanto Chemical Company. (See Magoun, George L., assignor.)

Monson, Louis T., Alhambra, Calif., assignor to Tretolite Company, Webster Groves, Mo. Removing mud sheaths from oil wells. 2,135,589; Nov. 8.

Monson, Louis T., Alhambra, Calif., assignor to Tretolite Company, Webster Groves, Mo. Removing mud sheaths from geological formations. 2,135,909; Nov. 8.

Moore, Charles A., Detroit, Mich., assignor to Borg-Warner Corporation. Washing machine. 2,136,056; Nov. 8.

Moore, Harold A. (See Morton, W. A., Moore, and Roth.)

Moore, Raymond J. F., Oakleigh, Australia. Rotary engine and pump. 2,135,760; Nov. 8.

Moore, Warren S. (See Walker, Russell S., assignor.)

Moore, William E., assignor to Pittsburgh Research Corporation, Pittsburgh, Pa. Electrode gland. 2,135,761; Nov. 8.

Moos, Josef. (See Terres, E., Moos, and Ramser.)

Moreton, Henry H. (See Dickinson, H. R., and Moreton.)

Morris, Robert M., Millburn, and C. P. Sweeney, Teaneck, N. J., assignors to Radio Corporation of America. Ultra short wave system. 2,135,672; Nov. 8.

Morse, Sterne, Richmond Heights, Ohio, assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich. Apparatus for refrigeration. 2,135,875; Nov. 8.

Morton, William A., Mount Lebanon, and H. A. Moore, and H. A. Roth, Wilkinsburg, assignors to Amco, Incorporated, Pittsburgh, Pa. Article transfer and loading device. 2,135,986; Nov. 8.

Moses, Nicholas P., Chicago, assignor to Mid-West Wall Paper Mills, Joliet, Ill. Wallpaper display catalogue. 2,135,590; Nov. 8.

Moser, Wilhelm, Riehen, and W. Fioroni, Binningen, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Anthraquinone-naphthacridone dyestuff. 2,136,146; Nov. 8.

Mosley, John H. (See Fermann, J. A., and Mosley.)
Motor Terminals Company. (See Norbom, Ragnar A., assignor.)
Moulton, Rollin H. (See Nohe, I. A., and Moulton.)
Moulton, Rollin H., Western Springs, assignor to Soy Bean Products Co., Chicago, Ill. Soy bean flour. 2,135,591; Nov. 8.
Moulton, Rollin H., Western Springs, assignor to Soy Bean Products Co., Chicago, Ill. Soy bean nuts. 2,135,592; Nov. 8.
Mountjoy, Garrard, Bayside, N. Y., assignor to Radio Corporation of America. Automatic frequency control circuit. 2,135,946; Nov. 8.
Mountjoy, Garrard. (See Foster, D. E., and Mountjoy.)
Mowry, William W., New York, N. Y., assignor to The Kelley-Koett Manufacturing Company, Inc., Covington, Ky. Integrating X-ray apparatus. 2,136,116; Nov. 8.
Mulrhead, Alfred R., assignor to The Lummus Cotton Gin Company, Columbus, Ga. Locking device. 2,136,147; Nov. 8.
Müller, Arthur, assignor to the firm Korting & Mathiesen Aktiengesellschaft, Leipzig-Leutzsch, Germany. Arc lamp. 2,136,309; Nov. 8.
Munger, L. R., trustee. (See Millican, Roy E., assignor.)
Murphy, Donald F., Bristol, assignor to Röhm & Haas Company, Philadelphia, Pa. Insecticide composition. 2,135,987; Nov. 8.
Murray Company, The. (See Behle, Joseph W., assignor.)
Murray Corporation of America, The. (See Jarosik, Andrew J., assignor.)
Murray Corporation of America, The. (See Northup, Amos E., assignor.)
Murray, Patrick J., Clifton Heights, assignor to Trisco Products, Inc., Philadelphia, Pa. Laundering unit for silk hosiery. 2,135,780; Nov. 8.
Murray, Patrick J., Clifton Heights, assignor to Trisco Products, Inc., Philadelphia, Pa. Drying unit. 2,135,781; Nov. 8.
Mussey, William H., and M. P. Blomberg, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Car articulation. 2,135,523; Nov. 8.
Myers, F. E., & Bro. Co., The. (See Zehner, William H., assignor.)
Nadeau, Gale F., assignor to Eastman Kodak Company, Rochester, N. Y. Subbing photographic film. 2,135,524; Nov. 8.
Nagel, August, Stuttgart, Germany, assignor to Eastman Kodak Company, Rochester, N. Y. Coupled range finder camera. 2,135,988; Nov. 8.
Nagel, August, Stuttgart, Germany, assignor to Eastman Kodak Company, Rochester, N. Y. Combined camera and range finder. 2,135,989; Nov. 8.
Nagle, Clarence D., Baltimore, Md. Aging device for the contents of barrels, casks, or the like. 2,135,622; Nov. 8.
Nash-Kelvinator Corporation. (See Morse, Sterne, assignor.)
Nash-Kelvinator Corporation. (See Philipp, Lawrence A., assignor.)
Nash-Kelvinator Corporation. (See Sekyra, Charles J., Sr., assignor.)
Nast, Paul H., Claremont, N. H., assignor to Sullivan Machinery Company. Tool forging method. 2,136,083; Nov. 8.
National Aniline and Chemical Company. (See Stevenson, John S., assignor.)
National Folding Box Company. (See Ringler, William A., assignor.)
National Mineral Company, The. (See Pitner, Marion W., assignor.)
National Standard Company. (See Elfstrom, Nils, assignor.)
National Tube Company. (See Rae, John, assignor.)
Neher, Leroy P., St. Louis, Mo. Bottle collar. 2,135,830; Nov. 8.
Nelson, Albert. (See Conery, W. J., and Nelson.)
Nelson, Anna J., administratrix. (See Nelson, Robert O.)
Nelson, Clarence E. B., Beaumont, Calif. Battery terminal. 2,135,910; Nov. 8.
Nelson, Oscar T., Cleveland, Ohio. Dashboard tire pressure gauge. 2,135,990; Nov. 8.
Nelson, Robert O., deceased, Los Angeles, Calif.; A. J. Nelson, administratrix, assignor, by mesne assignments, to The Engineering and Research Corporation, New Haven, Conn. Automatic variable traffic regulator. 2,135,525; Nov. 8.
Neptune Meter Company. (See Hazard, Charles S., assignor.)
Nessell, Clarence W., Forest Park, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Time and remote control system. 2,135,991; Nov. 8.
Neuman, Nathan, Philadelphia, Pa. Sweater. 2,135,727; Nov. 8.
Neville, J. Vernon. (See Merry, Edward C., assignor.)
New Jersey Zinc Company, The. (See Gamble, D. L., and Grady, assignors.)
Newman, Delbert F., Schenectady, N. Y., assignor to General Electric Company. Refrigerant evaporator. 2,136,249; Nov. 8.
Nicholls, William H., Jr., administrator. (See Nicholls, William H.)
Nicholls, William H., deceased, Roslyn, N. Y.; W. H. Nicholls, Jr., administrator, assignor, by mesne assignments, to H. S. Simpson, Chicago, Ill. Sand mulling and aerating machine. 2,135,762; Nov. 8.
Nichols, Harry J., Dayton, Ohio, assignor to International Business Machines Corporation, New York, N. Y. Keyboard control. 2,135,947; Nov. 8.
Nichols, Thomas W., London, assignor of one-half to Tilghman's Patent Sand Blast Company, Limited, Broadheath, near Manchester, England. Rotary compressor, exhauster, pump, and the like. 2,136,117; Nov. 8.
Nicholson, Frederick A., Seattle, Wash. Endless traveling platen fluid pressure press. 2,135,763; Nov. 8.
Nicks, Joe H., Corpus Christi, Tex. Oil well tool. 2,136,015; Nov. 8.
Niconoff, Dimitry. (See Sullivan, J. D., and Niconoff.)
Nielsen, Arthur M., Buffalo, N. Y. Directional signal. 2,136,310; Nov. 8.
Nilsen, Helge, St. Paul, Minn. Clothesline reel. 2,135,831; Nov. 8.
Nohe, Irving A., Chicago, Ill., assignor to Soy Bean Products Co. Soy bean nuts. 2,135,593; Nov. 8.
Nohe, Irving A., Oak Park, and R. H. Moulton, Western Springs, assignors to Soy Bean Products Co., Chicago, Ill. Soy bean nuts. 2,135,594; Nov. 8.
Norbom, Ragnar A., Clifton, N. J., assignor to Motor Terminals Company, New York, N. Y. Freight container. 2,135,526; Nov. 8.
Nordberg Manufacturing Company. (See Ramstad, George E., assignor.)
Norman, Simon, Providence, assignor to Industrial Dyestuff Company, East Providence, R. I. Manufacturing sulphur colors. 2,136,016; Nov. 8.
Norman, Simon, Providence, assignor to Industrial Dyestuff Company, East Providence, R. I. Manufacturing sulphur colors. 2,136,017; Nov. 8.
Northup, Amos E., Pleasant Ridge, Mich., assignor to The Murray Corporation of America. Vehicle top. 2,135,595; Nov. 8.
Nüchterlein, Karl, assignor to Ihagee Kamerawerk Steenbergen & Co., Dresden, Germany. Reflex camera. 2,136,148; Nov. 8.
Nüchterlein, Karl, assignor to Ihagee Kamerawerk Steenberger & Co., Dresden, Germany. Lens mount. 2,136,149; Nov. 8.
Nutt, William H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel and covering the same. 2,135,673; Nov. 8.
Nyquist, Harry, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relay circuit. 2,135,596; Nov. 8.
Obergfell, Herbert F., River Forest, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Multicontact device. 2,135,832; Nov. 8.
Oehlert, Hans, Krefeld-Uerdingen, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of hydrochloric acid and sodium sulphate. 2,135,674; Nov. 8.
Oelkers, Alfred H., assignor to American Steel Foundries, Chicago, Ill. Truck. 2,135,728; Nov. 8.
Oermann, Carl H., York, Pa. Chair. 2,135,833; Nov. 8.
Oglesby, Nicholas E., assignor to Behr-Manning Corporation, Troy, N. Y. Noncurling coated abrasive product and making the same. 2,136,150; Nov. 8.
Ohio Chemical and Manufacturing Company, The. (See Heidbrink, Jay A., assignor.)
Ohio Knife Company, The. (See Waltmon, Thomas J., assignor.)
Ohlendorf, Heinrich. (See Helberger, J. H., and Ohlendorf.)
Oldham, John M., assignor to L. A. Young, Detroit, Mich. Ball winding machine. 2,136,195; Nov. 8.
Oleson, Melvin R., Visalia, Calif. Soldering iron. 2,135,764; Nov. 8.
Olgay, Albert M., Elmwood Park, assignor to The Lakeside Central Company, Chicago, Ill. Wire coiling machine. 2,135,729; Nov. 8.
Olshansky, Nathan, Stamford, Conn. Contact plug. 2,136,057; Nov. 8.
Olson, Oscar B., St. James, Minn. Automobile spring wheel. 2,136,311; Nov. 8.
O'Neal, Grady M. (See Frye, R., and O'Neal.)
Östberg, Karl G., Stockholm, assignor to Fabriksaktiebolaget Haldstaxametern, Halmstad, Sweden. Shearing or cutting tool. 2,135,911; Nov. 8.
Oswego Falls Corporation. (See Harris, Reed S., assignor.)
Overmyer, George J., Tulsa, Okla. Closure for jars and the like. 2,135,834; Nov. 8.
Packard Motor Car Company. (See Best, Frank C., assignor.)
Packard Motor Car Company. (See Kellogg, Ralph S., assignor.)
Packard Motor Car Company. (See Rossmann, Peter F., assignor.)
Packard Motor Car Company. (See Thomas, Robert J., assignor.)
Packard Motor Car Company. (See Ware, Marsden, assignor.)
Page, Paul E., Montreal, Quebec, assignor to L. R. Desmarteaux, London, Ontario, Canada. Vacuum cleaner. 2,136,312; Nov. 8.

Paine, James M., Harlingen, Tex. Greasing rack. 2,135,765; Nov. 8.
Palmer, John H., Greenville, assignor to Phelps Dodge Copper Products Corporation, New York, N. Y. Apparatus for determining and recording the eccentricity of lead sheaths or other conducting pipe. 2,135,675; Nov. 8.
Palmer, Paul C., Orlando, Fla., assignor to Duzzel Corporation, Dover, Del. Apparatus for treating food products. 2,136,118; Nov. 8.
Papello, Karl, assignor to the firm of Carl Zeiss, Jena, Germany. Device for transmitting electric currents. 2,135,835; Nov. 8.
Parker, James M., et al. (See Taxay, Julius, assignor.)
Parrish, Alan J., assignor of one-half to M. Parrish and one-half to J. Parrish, Paris, Ill. Drainage pipe and installing the same. 2,136,151; Nov. 8.
Parrish, Alan J., assignor of one-half to M. Parrish and one-half to J. Parrish, Paris, Ill. Installing drainage conduits. 2,136,152; Nov. 8.
Parrish, Frank T., and A. J. Frazee, Gardner, assignors to Heywood-Wakefield Company, Boston, Mass. Extensible table. 2,135,836; Nov. 8.
Parrish, Jane, et al. (See Parrish, Alan J., assignor.)
Parrish, Margaret, et al. (See Parrish, Alan J., assignor.)
Patterson, Gordon D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition. 2,136,313; Nov. 8.
Pattison, William S., Johnson County, Kans. Stair tread. 2,135,837; Nov. 8.
Paxton, Gerald C., Santa Ana, Calif., assignor, by mesne assignments, to Food Machinery Corporation. Continuous transverse roller fruit conveyer. 2,135,838; Nov. 8.
Pearson, Axel B., Munhall, Pa. Disk rolling apparatus. 2,135,643; Nov. 8.
Peck, Ruth F., assignor to Winget Kickernick Company, Minneapolis, Minn. Hose-supporting foundation bloomer garment. 2,136,250; Nov. 8.
Peckham, George C., Los Angeles, Calif. Oil cracking process. 2,135,876; Nov. 8.
Pehrson, Alfred P. (See Knibbs, N. V. S., and Pehrson.)
Peirce, Charles L., Jr., Pittsburgh, Pa., assignor of one-half to Hubbard and Company. Solderless connecter. 2,135,623; Nov. 8.
Peppas, Sam, Elyria, Ohio. Chair. 2,136,058; Nov. 8.
Perkins, B. F., & Son, Inc. (See Shorrock, James P., assignor.)
Persons, Lawrence M., assignor, by mesne assignments, to Automatic Control Corporation, St. Louis, Mo. Evacuating thermostat assemblies. 2,135,839; Nov. 8.
Perugia, Andre, Paris, France. Shoe. 2,136,084; Nov. 8.
Peters, Ralph W. (See Lane, G. T., and Peters.)
Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Automatic volume control circuit. 2,135,599; Nov. 8.
Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Crystal controlled oscillation generator. 2,135,730; Nov. 8.
Peterson, John B., Bethesda, Md. Gyro magnetic compass. 2,135,552; Nov. 8.
Petit, Jean E., Levallois-Perret, France. Device for exerting a frictional action. 2,136,314; Nov. 8.
Pettit, Walter R., London, England. Machine for breaking concrete. 2,136,315; Nov. 8.
Petty, George E., assignor to Blackburn Aircraft Limited, Brough, near Hull, England. Construction of wings, surfaces, and fuselages for aircraft. 2,136,265; Nov. 8.
Petz, John L., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Typewriting machine. 2,135,948; Nov. 8.
Pfau, Anton, Portland, Oreg. Whipping roller coaster. 2,136,019; Nov. 8.
Pfister, Arthur, Woodside, Long Island, N. Y. Sound propagating device. 2,135,840; Nov. 8.
Phelps Dodge Copper Products Corporation. (See Mitchell, Earle A., assignor.)
Phelps Dodge Copper Products Corporation. (See Palmer, John H., assignor.)
Philipp, Lawrence A., assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,136,316; Nov. 8.
Phillips Petroleum Company. (See Snow, Robert D., assignor.)
Pierce, William B., Detroit, Mich., assignor to Aluminum Company of America, Pittsburgh, Pa. Producing metal grilles. 2,135,766; Nov. 8.
Pirani, Marcello. (See Alterthum, H., and Pirani.)
Pirie, Harold, Runcorn, England, assignor to Imperial Chemical Industries Limited. Emulsions and process of making same. 2,136,020; Nov. 8.
Pitner, Marion W., assignor to The National Mineral Company, Chicago, Ill. Spacer for hair curlers. 2,136,196; Nov. 8.
Pittsburgh Research Corporation. (See Moore, William E., assignor.)
Platz, Otto. (See Hansch, August C. (assignor) and H. E.)
Plax Corporation. (See Ferngren, Enoch T., assignor.)
Podel, Abraham, New York, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Closure cap and package. 2,135,731; Nov. 8.
Polydoroff, Wladimir J., Wilmette, and D. V. Sinninger, assignors to Johnson Laboratories, Inc., Chicago, Ill. High-frequency coil. 2,135,841; Nov. 8.
Porcelain Enamel and Manufacturing Company of Baltimore. (See Turk, Karl, assignor.)
Porter, Frank. (See Bardwell, D. C., and Porter.)
Pothier, Jules, Quebec, Quebec, Canada. Fastener for corsets and the like. 2,135,597; Nov. 8.
Powell, Ross C., Forest Hills, assignor to The Texas Company, New York, N. Y. Distilling hydrocarbon oils. 2,136,172; Nov. 8.
Powell, Winfred T., Brighton, assignor to General Railway Signal Company, Rochester, N. Y. Railway track circuit. 2,135,527; Nov. 8.
Prange, Charles H., Lyndhurst, N. J., assignor to Austenal Laboratories, Inc., New York, N. Y. Denture. 2,135,600; Nov. 8.
Pratt, William H., Lynn, Mass., assignor to General Electric Company. Volt-ampere-hour meter. 2,136,251; Nov. 8.
Prentiss-Wabers Products Co. (See Yeager, Anton J., assignor.)
Prest-O-Lite Company, The. (See De Motte, Maurice P., assignor.)
Preston, Neil D., assignor to General Railway Signal Company, Rochester, N. Y. Railway track circuit and relay therefor. 2,135,528; Nov. 8.
Price, Laurence L., Los Angeles, and M. E. Maltby, Bell, Calif. Paper towel dispenser and timer. 2,135,767; Nov. 8.
Proctor & Schwartz, Incorporated. (See Hurxthal, Alpheus O., assignor.)
Prosperity Company, The. (See Faber, John, Jr., assignor.)
Prutton, Daniel H., Cleveland, Ohio. Deflector means. 2,135,842; Nov. 8.
Puening, Franz, Essen, Germany. Coke oven with internally heated heating walls. 2,135,529; Nov. 8.
Pullman-Standard Car Manufacturing Company. (See Mussey, W. H., and Blomberg, assignors.)
Pulvis Aktiengesellschaft. (See Ågren, Ernst M., assignor.)
Pure Oil Company, The. (See Anderson, Harry J., assignor.)
Pure Oil Company, The. (See Throckmorton, John W., assignor.)
Putt, Roy R., Portage Lakes, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Apparatus for coating articles. 2,135,601; Nov. 8.
Pye, Harold C., Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Magnetogenerator. 2,135,843; Nov. 8.
Quirk, Justin P., St. Louis County, assignor to United Wood Heel Company, St. Louis, Mo. Shank stiffener. 2,135,844; Nov. 8.
Rabezzana, Hector, Flint, assignor to General Motors Corporation, Detroit, Mich. Spark plug. 2,135,624; Nov. 8.
Rabinowitz, Sidney H. (See Kern, Lillian M., assignor.)
Radio Corporation of America. (See Beanland, Charles P., assignor.)
Radio Corporation of America. (See Beers, George L., assignor.)
Radio Corporation of America. (See Carlson, Wendell L., assignor.)
Radio Corporation of America. (See Foster, D. E., and Mountjoy, assignors.)
Radio Corporation of America. (See Herbst, Philip J., assignor.)
Radio Corporation of America. (See Hirmann, Julius, assignor.)
Radio Corporation of America. (See Koch, Winfield R., assignor.)
Radio Corporation of America. (See Lovelady, Maurice J., assignor.)
Radio Corporation of America. (See Morris, R. M., and Sweeny, assignors.)
Radio Corporation of America. (See Mountjoy, Garrard, assignor.)
Radio Corporation of America. (See Peterson, Harold O., assignor.)
Radio Corporation of America. (See Roberts, Walter V., assignor.)
Rae, John, Ellwood City, Pa., assignor to National Tube Company. Internal diameter micrometer. 2,135,912; Nov. 8.
Ralston, Harley C., Cleveland, T. D. Williams, Garfield Heights, and F. Mako, Cleveland, Ohio, assignors to The American Steel and Wire Company of New Jersey. Reeling device. 2,135,913; Nov. 8.
Ramser, Hans. (See Terres, E., Moos, and Ramser.)
Ramstad, George E., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Starting gear for internal combustion engines. 2,135,768; Nov. 8.
Randall, John T., and J. W. Ryde, Middlesex, England, assignors to General Electric Company. Device for producing visible light. 2,135,732; Nov. 8.
Ransome Concrete Machinery Company. (See Faber, John P., assignor.)
Rasmussen, Christian A., Cleveland, Ohio. Speed responsive electrical contactor. 2,136,252; Nov. 8.
Reber, Earl R. (See Zayotti, A. H., and Reber.)
Redmond, A. G., Co. (See Hoddy, Joseph S. and G. W., assignors.)

Reed Roller Bit Company. (See Stokes, John C., assignor.)
Reichard, Wade H., assignor to General Railway Signal Company, Rochester, N. Y. Track circuit for railroads. 2,135,530; Nov. 8.
Reichert, Robert J., Mount Vernon, N. Y. Optical instrument. 2,135,531; Nov. 8.
Reid, John G., San Jose, Calif., assignor to American Can Company, New York, N. Y. Fluxing device. 2,135,532; Nov. 8.
Reinecker, Ernst, Chemnitz, assignor to J. E. Reinacker, Aktien-Gesellschaft, Chemnitz, Saxony, Germany. Teeth generating machine. 2,136,266; Nov. 8.
Reinecker, J. E., Aktien-Gesellschaft. (See Reinecker, Ernst, assignor.)
Reising, Eugene G., Hartford, Conn. Firearm. 2,136,119; Nov. 8.
Reliance Steel Products Company. (See McAfoos, Lawrence R., assignor.)
Renfer, John E., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Drilling rig. 2,135,769; Nov. 8.
Renold and Coventry Chain Company Limited, The. (See Byrom, John K., assignor.)
Research Corporation. (See Milas, N. A., and Walsh, assignors.)
Reusch, Hans, Pforzheim, Germany. Multiple lead pencil. 2,135,845; Nov. 8.
Reynolds Metals Company. (See Whitfield, M. G., and Sheshunoff, assignors.)
Rhein, Lloyd R., Pleasant Ridge, and F. A. Cooley, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Hood latch. 2,135,625; Nov. 8.
Rheinmetall-Borsig Aktiengesellschaft Werk Borsig Berlin-Tegel. (See Süss, Heinrich, assignor.)
Richardson, Ralph S., Scarsdale, N. Y., assignor to Chemical Construction Corporation. Nitric acid manufacture. 2,135,733; Nov. 8.
Rialdini, Cominardo, Philadelphia, Pa. Oil burning furnace. 2,136,317; Nov. 8.
Ringler, William A., Wayne, Pa., assignor to National Folding Box Company, New Haven, Conn. Display carton. 2,135,533; Nov. 8.
Ritchie, Ernest G., London, England. Pipe system. 2,135,770; Nov. 8.
Ritchie, Everett J. (See Harner, H. R., Schultz, and Ritchie.)
Ritter Products Corporation. (See Johnson, Herbert B., assignor.)
Riviere, Roy R. (See Welsh, Alonzo P., assignor.)
Roberti, William, Springfield, Mass. Garment hanger. 2,135,846; Nov. 8.
Roberts, Clifford, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of shoes and shoe bottom units. 2,135,676; Nov. 8.
Roberts, Walter V., Princeton, N. J., assignor to Radio Corporation of America. Noise suppressor circuit. 2,135,949; Nov. 8.
Roberts, William T. B., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe machine. 2,135,677; Nov. 8.
Roble, Norman P., assignor to The Carborundum Company, Niagara Falls, N. Y. Abrasive article and manufacturing the same. 2,135,626; Nov. 8.
Robinson, Joseph, New York, N. Y. Electric vaporizer. 2,135,535; Nov. 8.
Roche, Albert T. (See Kane, James H., assignor.)
Rocker, William P. (See Schwab, R. W., Jr., and Rocker.)
Rodanet, Charles H. H., Neuilly-sur-Seine, assignor to Société Anonyme: Etablissements Ed. Jaeger, Levallois-Perret, France. Altimeter. 2,135,950; Nov. 8.
Rodanet, Charles H. H., Neuilly-sur-Seine, assignor to Société Anonyme: Etablissements Ed. Jaeger, Levallois-Perret (Seine), France. Windshield lifting device. 2,135,951; Nov. 8.
Rodman, Clarence J., assignor to The Steel Sanitary Company, Alliance, Ohio. Making tubs. 2,135,877; Nov. 8.
Roe, Mayo E. (See Roe, William C. and M. E.)
Roe, William C. and M. E., assignors to The Colson Corporation, Elyria, Ohio. Inhalator. 2,136,085; Nov. 8.
Rogers, Eldon J. C. (See Isbell, G., and Rogers.)
Röhm & Haas Company. (See Murphy, Donald F., assignor.)
Rompe, Robert, Berlin, and W. Thouret, Berlin-Wilmersdorf, Germany, assignors to General Electric Company. Gaseous electric discharge device. 2,135,734; Nov. 8.
Roof, Frank L., Greensburg, Pa. Snap hook. 2,135,771; Nov. 8.
Roper, John M., Washington, D. C. Electric socket. 2,135,534; Nov. 8.
Roscoe, Edwin S., assignor to Yawman & Erbe Mfg. Co., Rochester, N. Y. Paper fastener. 2,136,021; Nov. 8.
Rose, Herbert A., Leonia, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Impulsing device for use with grid-controlled rectifiers. 2,135,598; Nov. 8.
Rosen, David, New York, N. Y., assignor to Metallic Container Corporation, Jersey City, N. J. Container closing and opening means. 2,135,602; Nov. 8.
Rosenblad, Curt F., assignor to Aktiebolaget Rosenblads Patenter, Sodertalje, Sweden. Heat exchangers. 2,136,086; Nov. 8.
Rosenblad, Curt F., Sodertalje, assignor to Aktiebolaget Rosenblads Patenter, Stockholm, Sweden. Heat exchanger and making same. 2,136,153; Nov. 8.
Rosenquist, John, Seattle, Wash. Fishline sinker. 2,136,847; Nov. 8.
Roskin, Israel, New York, N. Y. Finger ring. 2,136,218; Nov. 8.
Rossmann, Peter F., assignor to Packard Motor Car Company, Detroit, Mich. Hydraulic brake system. 2,136,318; Nov. 8.
Rossow, Walter D., assignor to The Sterling Grinding Wheel Company, Tiffin, Ohio. Making abrasive articles. 2,136,022; Nov. 8.
Roth, Arthur E., Prairie du Chien, Wis. Pigeon trap. 2,135,603; Nov. 8.
Roth, Herman A. (See Morton, W. A., Moore, and Roth.)
Ruehmann, Otto, Los Angeles, Calif. Hose support. 2,135,772; Nov. 8.
Russell, Robert C., Shaker Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Actuating lever and linkage. 2,136,023; Nov. 8.
Rütgerswerke-Aktiengesellschaft. (See Fehr, K., Heinemann, and Schneider, assignors.)
Rüttenauer, Alfred. (See Krefft, H., and Rüttenauer.)
Rydberg, William, Minneapolis, Minn. Advertising device. 2,135,914; Nov. 8.
Ryde, John W. (See Randall, J. T., and Ryde.)
Saarinen, Armas J., assignor to Granberg Meter Corporation, San Francisco, Calif. Rotary meter. 2,135,644; Nov. 8.
Safford, Moyer M., Schenectady, N. Y., assignor to General Electric Company. Resinous compositions. 2,136,253; Nov. 8.
St. Genies, Anne H. J. D., Versailles, France. Reproduction of goffered films. 2,136,327; Nov. 8.
Sandstrom, Peter F., Chicago, assignor, by mesne assignments, of one-half to A. R. Johnson, Maywood, Ill. Salt and pepper shaker and the like. 2,135,848; Nov. 8.
Sarff, Austin O., Walker, Minn. Fishing sinker. 2,135,536; Nov. 8.
Sargent, Don A., Portland, Maine. Filter-fan-lamp equipment. 2,136,254; Nov. 8.
Saunders, Norman H., and R. R. Fowler, assignors, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Automatic telephone system. 2,135,921; Nov. 8.
Scacco, Jack, Brooklyn, N. Y. Shoe structure. 2,135,849; Nov. 8.
Scanlon, Pius A., New Castle, Pa. Supporting and elevating means for overhead units. 2,136,255; Nov. 8.
Scheller, Ernst. (See Krieg, W. K., and Scheller.)
Scherbatskoy, Serge A., Tulsa, Okla. Gravity meter. 2,136,219; Nov. 8.
Schmelier, John, Sr., Lakewood, Ohio. Casting. 2,135,537; Nov. 8.
Schmid, Max, Nuremberg, Germany. Mechanical toy. 2,135,850; Nov. 8.
Schmidt, Mark S. (See Fredenhagen, W. S., and Schmidt.)
Schmitt, George A., Boise, Idaho. Slicing machine. 2,136,319; Nov. 8.
Schneider, Hans, Portchester, N. Y., assignor to Metal Forming & Coating, Inc. Process and apparatus for producing metallic coatings on various articles. 2,136,024; Nov. 8.
Schneider, Wilhelm. (See Fehr, K., Heinemann, and Schneider.)
Schönbeck, Friedrich, Berlin-Biesenthal, and H. Schröder, Berlin, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Basis mass for dental repair parts. 2,135,915; Nov. 8.
Schröder, Hermann. (See Schönbeck, F., and Schröder.)
Schroth, William F., assignor to C. H. Wheeler Manufacturing Co., Philadelphia, Pa. Heat exchange apparatus. 2,136,087; Nov. 8.
Schultz, Frederick H. (See Harner, H. R., Schultz, and Ritchie.)
Schuman, Edward F., Garfield Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey. Automatic stop for take-up blocks. 2,135,916; Nov. 8.
Schwab, Robert W., Jr., and W. P. Rocker, assignors to Southern Spring Bed Company, Atlanta, Ga. Sofa bed. 2,136,320; Nov. 8.
Schwabe, Emil, Buenos Aires, Argentina, assignor to American Hyasol Corporation, Wilmington, Del. Ink compositions. 2,135,735; Nov. 8.
Schwartz, Eugene, assignor to Ketterlinus Lithographic Manufacturing Company, Philadelphia, Pa. Display device. 2,135,604; Nov. 8.
Schwister, Anton J., Greenfield, Mass., assignor to Greenfield Tap and Die Corporation. Pipe cleaner. 2,135,679; Nov. 8.
Sciaky, David, Paris, France. Machine for the electric welding of tubes. 2,136,059; Nov. 8.
Scotcher, Arthur W., Nutley, assignor to R. M. Stalker, Bogota, N. J. Carton. 2,135,678; Nov. 8.
Scudder, Charles J., and E. M. Jenkins, Scranton, Pa. Steel car construction. 2,136,321; Nov. 8.
Scully Signal Company. (See Mathey, Alcide E., assignor.)
Seamless Rubber Company. (See De Laney, Wallace W., assignor.)

Sebastiani, Peter, Ueberlingen, Bodensee, Germany. Fire protecting device with film projectors in cinemas. 2,136,322; Nov. 8.
Sekella, Youston, assignor to Eclipse Machine Company, Elmira, N. Y. Starter drive for internal combustion engines. 2,135,653; Nov. 8.
Sekyra, Charles J., Sr., Troy, Ohio, assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,135,878; Nov. 8.
Seyboid, Frederick W., Westfield, N. J. Automatic transmission. 2,135,917; Nov. 8.
Shaffer, Robert W., assignor to Snap-On Tools, Inc., Kenosha, Wis. Chromium-Plating electrolyte. 2,136,197; Nov. 8.
Sharp, Henry J., assignor of fifty one one-hundredths to W. W. Martin, Pittsburgh, Pa. Window framing. 2,135,680; Nov. 8.
Shaw-Walker Company, The. (See Gillette, LaVergne W., assignor.)
Sheck, Oscar. (See Lichtenberg, E. H., and Sheck.)
Shepherd, Alfred W., Maplewood, N. J., assignor of one-half to Oscar F. Carlson Company, and one-half to E. N. McDonnell, Chicago, Ill. Control switch. 2,136,220; Nov. 8.
Sheppard, C. E., Co., The. (See Kornahrens, John H. O., assignor.)
Sheppard, John, Benton Hill, Horbury, near Wakefield, assignor to Richard Sutcliffe Limited, Horbury, near Wakefield, England. Mechanical loader for loose materials. 2,135,773; Nov. 8.
Sherman, John Q., and W. A. Yackley, Dayton, Ohio; said Yackley assignor to said Sherman. Nontransfer manifolding material. 2,135,538; Nov. 8.
Sherriff-Goslin Co. (See Goslin, Bert G., assignor.)
Sherwin-Williams Company, The. (See Frye, R., and O'Neal, assignors.)
Sheshunoff, Victor. (See Whitfield, M. G., and Sheshunoff.)
Shields, John W., assignor to International Door Company, Evansville, Ind. Illumination means for revolving doors. 2,136,323; Nov. 8.
Shiffler, William H., and M. M. Holm, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Oxidizing hydrosulphides. 2,135,879; Nov. 8.
Shorrock, James P., assignor to B. F. Perkins & Son, Inc., Holyoke, Mass. Skein-forming device. 2,136,025; Nov. 8.
Shorrock, James P., assignor to B. F. Perkins & Son, Inc., Holyoke, Mass. Core covering machine. 2,136,026; Nov. 8.
Shyvers, Ken C., assignor of one-fourth to C. B. Cannon, Chicago, Ill. Game apparatus. 2,136,060; Nov. 8.
Siemens Brothers & Company Limited. (See Sutton, G. W., and Grinsted, assignors.)
Sieveking, Martinus, New York, N. Y. Traffic signal. 2,135,851; Nov. 8.
Signode Steel Strapping Company. (See Williams, William E., assignor.)
Simmons Sompany. (See Travis, Don C., assignor.)
Simmons Company. (See Woller, Edward E., assignor.
Simon, Louis J., Barking, England. Apparatus for cleansing floors and like surfaces. 2,136,324; Nov. 8.
Simpson, Herbert S. (See Nicholls, William H., assignor.)
Sinderson, John B., Rockford, Ill. Carburetor. 2,135,539; Nov. 8.
Singer Manufacturing Company, The. (See Boguhn, Paul, assignor.)
Sinninger, Dwight V. (See Polydoroff, W. J., and Sinninger.)
Sinninger, Dwight V., assignor to Johnson Laboratories, Inc., Chicago, Ill. Normalizing circuit. 2,135,852; Nov. 8.
Slizus, Joseph, and M. Kairis, Seattle, Wash. Pneumatic boxing glove. 2,135,853; Nov. 8.
Sloan Valve Company. (See Krause, Carl H., assignor.)
Sloan Valve Company. (See Sloan, William E., assignor.)
Sloan, William E., assignor to Sloan Valve Company, Chicago, Ill. Flush valve. 2,136,221; Nov. 8.
Sloane-Blabon Corporation. (See Koenig, Walter J., assignor.)
Smiggen, Boleslaus F., Detroit, Mich. Dispensing device. 2,135,854; Nov. 8.
Smith, Charles H., Coalgate, Okla. Roll rack. 2,135,540; Nov. 8.
Smith, George W., Newburgh, N. Y. Piano bench. 2,136,325; Nov. 8.
Smith, Harold, Sutton Coldfield, and G. C. Brentnall, assignors to Dunlop Rubber Company, Limited, Erdington, Birmingham, England. Immersion apparatus for subaqueous leak testing of pneumatic tire tubes. 2,135,681; Nov. 8.
Smith, Hazor J., Longmeadow, Mass., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Temperature control for paper mills and the like. 2,135,627; Nov. 8.
Smith, Harry F., assignor to The Acklin Stamping Company, Toledo, Ohio. Manifold. 2,135,628; Nov. 8.
Smith, William A., Lyndonville, N. Y. Making fruit products. 2,135,629; Nov. 8.
Smith, William L. (See Lawson, R. H., Green, and Smith.)
Smidth, F. L., & Co. (See Vogel-Jorgensen, Mikael, assignor.)
Snap-On Tools, Inc. (See Gagné, G. R., and Spraker, assignors.)
Snap-On Tools, Inc. (See Shaffer, Robert W., assignor.)
Snell, Alfred G., Sutton Coldfield, assignor to H. E. Ashdown (Birmingham) Limited, Liverpool, England. Frame of molded material for automobile bodies. 2,136,027; Nov. 8.
Snow, Robert D., assignor to Phillips Petroleum Company, Bartlesville, Okla. Producing polymeric compounds. 2,136,028; Nov. 8.
Snyder, Herald T., assignor of one-half to H. H. Judson, Seattle, Wash. Paper milk bottle. 2,135,855; Nov. 8.
Société Anonyme: Etablissements Ed. Jaeger. (See Rodanet, Charles H. H., assignor.)
Society of Chemical Industry in Basle. (See Hauser, H., and Bommer, assignors.)
Society of Chemical Industry in Basle. (See Johner, H., and Honhôte, assignors.)
Society of Chemical Industry in Basle. (See Moser, W., and Fioroni, assignors.)
Socony Vacuum Oil Company. (See Krieg, Alfred, assignor.)
Solvay Process Company, The. (See Bardwell, Dwight C., assignor.)
Solvay Process Company, The. (See Bardwell, D. C., and Porter, assignors.)
Solvay Process Company, The. (See Beekhuis, Herman A., Jr., assignor.)
Somerville, James A. (See Keith, Virgil, assignor.)
Southern Spring Bed Company. (See Schwab, R. W., Jr., and Rocker, assignors.)
Soy Bean Products Co. (See Moulton, Rollin H., assignor.)
Soy Bean Products Co. (See Nohe, Irving A., assignor.)
Soy Bean Products Co. (See Nohe, I. A., and Moulton, assignors.)
Spandorfer, Joseph J., Norfolk, Va. Book marker. 2,136,326; Nov. 8.
Specht, Max, Hamburg, Germany. Conserving roasted coffee. 2,136,154; Nov. 8.
Spencer, Henry W., Roehampton Lane, London, and L. S. Davis, Bexley Heath, England, assignors to Bigelow-Liptak Corporation, Detroit, Mich. Furnace and the operation thereof for industrial purposes. 2,135,645; Nov. 8.
Spencer, John A., Newtonville, Mass. Making food products. 2,135,856; Nov. 8.
Sperry Gyroscope Company. (See Hodgman, Frederick S., assignor.)
Spicacci, Attilio R., Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich. Locking device for bearings and the like. 2,136,155; Nov. 8.
Spraker, Lon. (See Gagné, G. R., and Spraker.)
Stahl, Albert L., assignor of one-half to J. L. Collins, Turlock, Calif. Trailer. 2,135,857; Nov. 8.
Stalker, Ralph M. (See Scotcher, Arthur W., assignor.)
Stam, Mart, Amsterdam, Netherlands, assignor to A. Lorenz, Zurich, Switzerland. Chair with tiltable seat. 2,136,198; Nov. 8.
Stamets, William K. (See Hibbard, Robert L., assignor.)
Stampen, Jacob J. (See Babson, H. B., and Stampen.)
Standard-Knapp Corporation. (See Fermann, J. A., and Mosley, assignors.)
Standard Lime and Stone Company, The. (See Thomas, Frank C., assignor.)
Standard Oil Company of California. (See Brooke, Lloyd F., assignor.)
Standard Oil Company of California. (See Lyman, A. L., and Holm, assignors.)
Standard Oil Company of California. (See Shiffler, W. H., and Holm, assignors.)
Standard Pressed Steel Co. (See Gade, Harald F., assignor.)
Starr, Raymond H., Kansas City, Mo. Refrigerator. 2,136,222; Nov. 8.
Starsmeare, Robert H. J., assignor to Tudhope Metal Specialties Limited, Orillia, Ontario, Canada. Temperature control mechanism. 2,135,858; Nov. 8.
Startomatic Corporation, The. (See Loehr, L. K., and Burdick, assignors.)
Steel Sanitary Company, The. (See Rodman, Clarence J., assignor.)
Steele, Alvin B., New York, N. Y. Door opening and closing mechanism. 2,136,061; Nov. 8.
Steere, Samuel A. (See Kochheiser, M. L., and Steere.)
Steingroever, Friedrich-Arnold, and O. J. Boser, Dresden, assignors to Chemische Fabrik von Heyden, A. G., Radebeul, near Dresden, Germany. Stable preparations of aromatic compounds containing active halogen. 2,136,173; Nov. 8.
Stephens, Clarence L., New York, N. Y. Picture projecting device. 2,135,952; Nov. 8.
Stephens, Gordon A., Long Branch, Ontario, Canada, assignor to American Engineering Company, Philadelphia, Pa. Stoker. 2,135,682; Nov. 8.
Sterling Grinding Wheel Company, The. (See Rossow, Walter D., assignor.)
Stevens, Richard M., Sr., Southfields, assignor to Frank A. Hall & Sons, New York, N. Y. Bed attachment. 2,136,088; Nov. 8.
Stevenson, John S., Buffalo, assignor to National Aniline and Chemical Company, Inc., New York, N. Y. Separation of sodium carbonate. 2,135,605; Nov. 8.
Stewart, George F., Scotia, N. Y. Hose handling and storing apparatus. 2,135,736; Nov. 8.

Stewart, Joseph, Elmhurst, N. Y. Apparatus for deodorizing vegetable oils. 2,136,029; Nov. 8.
Stewart and McGuire, Incorporated. (See Hoban, Fairfield W., assignor.)
Stewart-Warner Corporation. (See Davis, Ernest W., assignor.)
Stocking, Charles H., Ann Arbor, Mich. Precooking food products. 2,135,646; Nov. 8.
Stoehr, Hans, Philadelphia, Pa. Jacquard loom. 2,136,328; Nov. 8.
Stokes, John C., assignor to Reed Roller Bit Company, Houston, Tex. Core drill. 2,135,737; Nov. 8.
Stone, Herbert G., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing cellulose esters. 2,136,030; Nov. 8.
Stone, Obed W., St. Louis, Mo. Vending machine. 2,136,089; Nov. 8.
Streby, Waldo M., North Canton, Ohio. Window shade. 2,135,647; Nov. 8.
Streeter, Ralph V., Minneapolis, Minn. Electromechanical operator for copyholders. 2,135,918; Nov. 8.
Streeter, Ralph V., Minneapolis, Minn. Electric control device for linotype machines. 2,135,919; Nov. 8.
Stuart, Joseph H, assignor to Hercules Powder Company, Wilmington, Del. Electric blasting cap package. 2,136,031; Nov. 8.
Stuart, Kimberly. (See Miller, Karl H., assignor.)
Stuart, Robert, Forest Hills, N. Y., and M. H. Loughridge, Bogota, N. J. System and apparatus for handling paper for printing machines. 2,135,541; Nov. 8.
Stumpf, Lewis T., Cleveland, Ohio. Practice golf club. 2,135,648; Nov. 8.
Sturtevant, Harold V., Norristown, Pa. Conveyer. 2,136,156; Nov. 8.
Sturtevant, B. F., Company. (See Hanson, Milton E., assignor.)
Stuve, Henry, Brooklyn, N. Y. Mechanical whirlwind toy. 2,135,606; Nov. 8.
Sullivan, John D., and D. Niconoff, Columbus, Ohio, assignors, by mesne assignments, to Kennecott Copper Corporation, New York, N. Y. Producing ferromolybdenum. 2,135,630; Nov. 8.
Sullivan Machinery Company. (See Halleck, Frank A., assignor.)
Sullivan Machinery Company. (See Joy, Joseph F., assignor.)
Sullivan Machinery Company. (See Nast, Paul H., assignor.)
Sundstrom, Herman T., Houston, Tex. Mouthpiece wiper. 2,135,683; Nov. 8.
Surgident, Ltd. (See Boeger, Henry F., assignor.)
Surgident, Ltd. (See van Rossem, Walter J., assignor.)
Süss, Heinrich, assignor to Rheinmetall-Borsig Aktiengesellschaft Werk Borsig Berlin-Tegel, Berlin-Tegel, Germany. Apparatus for extracting paraffin from mineral oils. 2,136,062; Nov. 8.
Sutcliff, Richard, Limited. (See Sheppard, John, assignor.)
Sutton, George W., London, and W. H. Grinsted, Bromley, assignors to Siemens Brothers & Company Limited, London, England. Telephone instrument circuit. 2,136,345; Nov. 8.
Swanson, Charles E., assignor to Garden City Plating & Manufacturing Co., Chicago, Ill. Illuminated sign. 2,135,859; Nov. 8.
Swanson, Nels H., Chicago, Ill. Flashlight combination construction. 2,136,199; Nov. 8.
Sweeny, Carey P. (See Morris, R. M., and Sweeny.)
Sweet, Alva L., Schenectady, N. Y., assignor to General Electric Company. Furnace control system. 2,136,256; Nov. 8.
Swennes, Benjamin A., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Self-energizing clutch. 2,136,063; Nov. 8.
Tampke, Hans. (See Kiesskalt, S., Tampke, Weingartner, and Winnacker, assignors.)
Tandler, William S. (See Fisher, G., and Tandler.)
Tandler, William S., and G. Fisher, New York, N. Y., assignors to Lefler Patent Company, Inc. Textile machine. 2,136,064; Nov. 8.
Tandler, William S., and G. Fisher, New York, N. Y., assignors to Lefler Patent Company, Inc. Textile machine. 2,136,090; Nov. 8.
Taplin, Harold J., assignor to Gerrard Industries Limited, London, England. Strapping machine. 2,135,920; Nov. 8.
Taxay, Julius, assignor, by mesne assignments, of one-half to J. M. Parker, and one-half to Miracle Household Appliance Corporation, Chicago, Ill. Coffee brewer. 2,135,543; Nov. 8.
Taylor, William J., assignor to The Lamson Company, Syracuse, N. Y. Conveyer mechanism. 2,136,267; Nov. 8.
Taysen, Frederick E., Lincoln, Calif. Underground water transfer system. 2,135,860; Nov. 8.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., (See Fritz, Karl, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Jobst, Günther, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Urtel, Rudolf, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Weber, Rudolf, assignor.)
Teletypesetter Corporation. (See Goetz, Maurus T., assignor.)
Ternstedt Manufacturing Company. (See Bachor, Ludwig A., assignor.)
Ternstedt Manufacturing Company. (See Rhein, L. R., and Cooley, assignors.)
Terres, Ernst, Berlin, Germany, J. Moos, New York, and H. Ramser, Long Island City, N. Y., assignors to Edeleanu Gesellschaft m. b. H. Refining mineral oils by means of inorganic fluorine compounds. 2,135,922; Nov. 8.
Texas Company, The. (See Powell, Ross C., assignor.)
Texas Gulf Sulphur Company. (See Duecker, Werner W., assignor.)
Thayer, Philip F. (See Waldman, R. O., and Thayer.)
Thomas, Adolph A., New York, N. Y. Torsion indicator. 2,136,223; Nov. 8.
Thompson, Louis W., Schenectady, N. Y., assignor to General Electric Company. Variable resistance device. 2,136,257; Nov. 8.
Thompson, Richard A., Detroit, Mich., assignor to Colonial Broach Company. Pull broaching machine. 2,135,861; Nov. 8.
Thorne, Harold, London, England. Scoring apparatus. 2,135,649; Nov. 8.
Thouret, Wolfgang. (See Hagen, W., and Thouret.)
Thouret, Wolfgang. (See Rompe, R., and Thouret.)
Thomas, Robert J., Philadelphia, Pa., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,136,157; Nov. 8.
Thomas, Frank C., Martinsburg, W. Va., assignor to The Standard Lime and Stone Company, Baltimore, Md. Blowing mineral wool. 2,136,158; Nov. 8.
Thompson, Howard A., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Interlocking control apparatus. 2,136,159; Nov. 8.
Throckmorton, John W., New York, N. Y., assignor, by mesne assignments, to The Pure Oil Company, Chicago, Ill. Method and apparatus of producing a high flash safety fuel. 2,135,923; Nov. 8.
Tiefenbacher, Thomas B., Paterson, N. J. Tool holder. 2,136,091; Nov. 8.
Tilden, Dennis E., Denver, Colo. Telescope mounting for guns. 2,135,774; Nov. 8.
Tilghman's Patent Sand Blast Company. (See Nichols, Thomas W., assignor.)
Tinnerman, Albert H. (See Tinnerman, George A., assignor.)
Tinnerman, George A., Rocky River, assignor to A. H. Tinnerman, Cleveland, Ohio. Connecting knobs to shafts. 2,136,160; Nov. 8.
Todd, Harry K., Tacoma, Wash. Remote volume control device for radio receiving sets. 2,135,738; Nov. 8.
Todd, Harry K., Tacoma, Wash. Remote volume control device for radio receiving sets. 2,135,739; Nov. 8.
Toews, Henry L., executor et al. (See Toews, Peter W.)
Toews, Peter B., executor et al. (See Toews, Peter W.)
Toews, Peter W., deceased, Swalwell, Alberta, by P. B. Toews, Bircham, Alberta, and H. L. Toews, Sunnyslope, Alberta, Canada, executors. Turntable. 2,135,924; Nov. 8.
Trautner, Wagn, Springdale, Ohio, assignor to E. H. Kueffer, Oakland, Calif. Rotary switch assembly. 2,135,958; Nov. 8.
Travis, Don C., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Bedspring. 2,135,607; Nov. 8.
Tretolite Company. (See Monson, Louis T., assignor.)
Trevaskis, Henry. (See Wright, J., and Trevaskis.)
Trisco Products, Inc. (See Murray, Patrick J., assignor.)
Troy, Seymour, New York, N. Y. Making elastic leather. 2,136,092; Nov. 8.
Tubize Chatillon Corporation. (See Cooper, Wilfred B., assignor.)
Tudhope Metal Specialties Limited. (See Starsmeare, Robert H. J., assignor.)
Turk, Karl, Riderwood, assignor to The Porcelain Enamel and Manufacturing Company of Baltimore, Baltimore, Md. Faced building element. 2,135,544; Nov. 8.
Tuscher, Jean E., Petit Ivry, France. Fuel injecting device for internal combustion engines. 2,135,925; Nov. 8.
Twomley, Herbert E., Riverside, assignor, by mesne assignments, to Food Machinery Corporation, San Jose, Calif. Adjustable compensator for nail driving mechanism. 2,135,650; Nov. 8.
Tyden, Emil, Hastings, Mich. Pressure-reducing valve device. 2,136,120; Nov. 8.
Union Switch & Signal Company. (See Bone, Herbert L., assignor.)
Union Switch & Signal Company, The. (See Hedding, Linnie K., assignor.)
Union Switch & Signal Company, The. (See Thompson, Howard A., assignor.)
United American Bosch Corporation. (See Long, Herbert J., assignor.)
United Shoe Machinery Corporation. (See Brandt, Francis L., assignor.)
United Shoe Machinery Corporation. (See Finn, Sidney J., assignor.)
United Shoe Machinery Corporation. (See Merritt, Frank R., assignor.)
United Shoe Machinery Corporation. (See Nutt, William H., assignor.)
United Shoe Machinery Corporation. (See Roberts, Clifford, assignor.)

United Shoe Machinery Corporation. (See Roberts, William T. B., assignor.)
United States Gypsum Company. (See Darrah, William A., assignor.)
United Wood Heel Company. (See Quirk, Justin P., assignor.)
Urtel, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Serrated wave form generator. 2,135,740; Nov. 8.
Valentin, Carl, Stuttgart, and E. Haller, Schwenningen-on-the-Neckar, Germany. Shuttle-changing device for looms. 2,135,608; Nov. 8.
Valentine, James C. (See Hansen, Frank J., assignor.)
Vanlandingham, William, Des Moines, Iowa. Horse's tail protector. 2,136,032; Nov. 8.
Vanorio, Joseph A., Jr., Mount Vernon, N. Y. Horse's tail protector. 2,136,032; Nov. 8.
Van Rossem, Walter J., assignor to Surgident, Ltd., West Los Angeles, Calif. Dispensing package of thermoplastic material. 2,136,033; Nov. 8.
Van Tasseli, Earl K., Great Kills, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Loaded transmission line. 2,135,609; Nov. 8.
Van Wyk, Aart. (See Elenbaas, W., and van Wyk.)
Varnish Products Company, The. (See Hammond, John M., assignor.)
Vesely, Karel, Pilsen, Czechoslovakia. Button in two parts. 2,136,161; Nov. 8.
Voelkel, Walter, assignor to Deutsche Gold und Silber Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Electrolytic production of ammonium perphosphate in solid form. 2,135,545; Nov. 8.
Vogel-Jorgensen, Mikael, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Kiln. 2,136,174; Nov. 8.
Voight, George F., Oakland, Calif. Eraser. 2,136,093; Nov. 8.
Voigt, Alexander E., Topeka, Kans. Air filter for railroad cars. 2,136,065; Nov. 8.
Voorhees, Leonard B., Euclid, assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Vacuum cleaner. 2,135,927; Nov. 8.
Voss, John H., Downers Grove, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,135,862; Nov. 8.
Vrooman, Edward C., Schenectady, N. Y., assignor to Locke Insulator Corporation, Baltimore, Md. Aerial cable support. 2,136,258; Nov. 8.
W. K. M. Company. (See Laurent, Milton P., assignor.)
Wadman, Harold A., assignor to Hartford-Empire Company, Hartford, Conn. Glass melting tank wall structure and block. 2,136,346; Nov. 8.
Waldman, Robert O., Berkeley, and P. F. Thayer, Albany, Calif. Folding machine for fibrous material. 2,135,880; Nov. 8.
Walker, Doris F., Gastonia, N. C., and W. S. Anderson, Philadelphia, Pa. Last. 2,135,546; Nov. 8.
Walker, Forrest A., Oak Park, Ill., assignor, by mesne assignments, to Edison General Electric Appliance Company, Inc. Dishwashing apparatus. 2,136,259; Nov. 8.
Walker, Russell S., assignor of one-half to W. S. Moore, Duluth, Minn. Air filter. 2,135,863; Nov. 8.
Walker, Warren R., Short Hills, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Method of and apparatus for bending vitreous tubing. 2,135,775; Nov. 8.
Walker, Warren R., Short Hills, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Gaseous electric discharge device. 2,135,776; Nov. 8.
Walsh, Thomas J., West Hempstead, and J. Antofilli, Astoria, N. J. Apparatus for eliminating bloops in spliced sound-on-film moving picture positive films. 2,135,684; Nov. 8.
Walsh, William L. (See Milas, N. A., and Walsh.)
Walters, Arthur L., and H. H. Hendrick, Baker, Oreg., assignors of fifteen percent to C. J. Bartlett and fifteen percent to T. W. Collins. Rotary engine. 2,136,066; Nov. 8.
Walters, Clarence C. (See Jordan, L. J., and Walters.)
Walther, Carl, Waffen-Fabrik. (See Walther, F., and Barthelmes, assignors.)
Walther, Fritz, and F. Barthelmes, assignors to Carl Walther, Waffen-Fabrik, Zella-Mehlis, Germany. Automatic pistol. 2,135,992; Nov. 8.
Waltmon, Thomas J., Portland, Oreg., assignor to The Ohio Knife Company, Cincinnati, Ohio. Knife for lumber-dressing machinery. 2,136,260; Nov. 8.
Ware, Marsden, assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 2,136,162; Nov. 8.
Warr, Harold, Detroit, Mich. Combined combustion chamber and heat exchanger. 2,135,547; Nov. 8.
Watts, Noble H., Bridgeport, Conn., assignor to General Electric Company. Vacuum cleaner. 2,136,268; Nov. 8.
Waudby, Walter, Boulogne sur Seine, France, assignor to American Radiator Company, New York, N. Y. Boiler. 2,136,175; Nov. 8.
Webb, Hartwell W., Flint, assignor to General Motors Corporation, Detroit, Mich. Making flexible tubing. 2,135,651; Nov. 8.
Weber, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Variable resistance bridge circuit. 2,135,953; Nov. 8.
Weber, Victor, assignor to The Emerson Electric Mfg. Co., St. Louis, Mo. Circuit breaker. 2,135,864; Nov. 8.
Weber, Walter H., assignor to Detroit Lubricator Company, Detroit, Mich. Carburetor. 2,136,353; Nov. 8.
Weidenhoff, Joseph, Inc. (See Haskins, Butler J., assignor.)
Weingaertner, Ernst. (See Kiesskalt, S., Tampke, Weingaertner, and Winnacker, assignors.)
Weinreich, Charles F., Des Plaines, assignor to Cherry-Burrell Corporation, Chicago, Ill. Receptacle filler for ice cream. 2,136,224; Nov. 8.
Weisser, Arthur H., assignor to J. C. Miller Company, Grand Rapids, Mich. Filter construction. 2,136,200; Nov. 8.
Weller, Howard A. (See Gatz, E. M., and Weller.)
Wells, Franklin H., assignor to Bendix Home Appliances, Inc., South Bend, Ind. Washing machine. 2,135,685; Nov. 8.
Welsh, Alonzo P., assignor of one-third to R. R. Riviere, Tyler, Tex. Foldable stool. 2,136,354; Nov. 8.
Wengel, Raymond W., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Interchangeable shutter assemblage for motion picture apparatus. 2,135,993; Nov. 8.
Wente, Edward C., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Horn. 2,135,610; Nov. 8.
Wentworth, Jesse S., Cincinnati, Ohio. Rotary oscillating wing vane compressor pump. 2,135,881; Nov. 8.
Werner, Felix, Leipzig, assignor to the firm Körting & Mathiesen Aktiengesellschaft, Leipzig-Leutzsch, Germany. Apparatus for feeding rod shaped bodies. 2,135,777; Nov. 8.
Western Coil & Electrical Co. (See Witte, Emil A., assignor.)
Westfall, Victor B., Fall Brook, Calif. Lubricating threading tool. 2,136,121; Nov. 8.
Westinghouse Electric & Manufacturing Company. (See Rose, Herbert A., assignor.)
Wheeler, C. H., Manufacturing Co. (See Schroth, William F., assignor.)
Whisler, Alfred H., Upper Darby, Pa. Track rail fastening device. 2,135,954; Nov. 8.
White, Fitzhugh L., South Norfolk, Va. Drain valve. 2,136,163; Nov. 8.
White, William E., Bethlehem, Pa., assignor to Bethlehem Steel Company. Clip. 2,135,686; Nov. 8.
Whitehead, William, Cumberland, Md., assignor to Celanese Corporation of America. Spinning artificial filaments. 2,136,201; Nov. 8.
Whitfield, Marshall G., and V. Sheshunoff, Knoxville, Tenn., assignors to Reynolds Metals Company, New York, N. Y. Metal coating. 2,135,652; Nov. 8.
Whitworth, Sir W. G. Armstrong, & Co. (Engineers) Limited. (See Bokemüller, Alfred, assignor.)
Wiggins, John H., Chicago, Ill. Control device for breather type storage tanks. 2,136,202; Nov. 8.
Wilde, Willy. (See Krefft, H., Wilde, and Larché.)
Wildhaber, Ernest, Irondequoit, assignor to Gleason Works, Rochester, N. Y. Producing gears. 2,136,269; Nov. 8.
Wiley, Ralph M., assignor to The Dow Chemical Company, Midland, Mich. Stabilizing vinylidene chloride. 2,136,347; Nov. 8.
Wiley, Ralph M., assignor to The Dow Chemical Company, Midland, Mich. Stabilizing vinylidene chloride. 2,136,348; Nov. 8.
Wiley, Ralph M., assignor to The Dow Chemical Company, Midland, Mich. Stabilizing vinylidene chloride. 2,136,349; Nov. 8.
Wilford, Edward B. (See Daland, Elliot, assignor.)
Williams, Thomas D. (See Ralston, H. C., Williams, and Mako.)
Williams, William E., Palo Alto, Calif., assignor to Signode Steel Strapping Company, Chicago, Ill. Automatic machine for strapping packages with metal straps. 2,136,225; Nov. 8.
Willing, Joseph E., assignor to General Railway Signal Company, Rochester, N. Y. Track circuit for railroads. 2,135,548; Nov. 8.
Williams, Reginald V., Buffalo, N. Y., and E. R. McKee, Hermitage, Tenn., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Spinneret. 2,135,611; Nov. 8.
Wilson, Alexander L., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation. Preparation of piperazine. 2,136,094; Nov. 8.
Winans, Fonville, Fort Worth, Tex., assignor to Jenkins Music Company, Kansas City, Mo. Auxiliary music rack. 2,135,928; Nov. 8.
Winget Kickernick Company. (See Peck, Ruth F., assignor.)
Wingfoot Corporation. (See Clifford, Albert M., assignor.)
Wingfoot Corporation. (See Cramer, Howard I., assignor.)
Wingfoot Corporation. (See Holden, James B., assignor.)
Wingfoot Corporation. (See Kochheiser, M. L., and Steere, assignors.)
Winnacker, Karl. (See Kiesskalt, S., Tampke, Weingaertner, and Winnacker.)
Winokar, Maurice, Chelsea, assignor to The Federal File Envelope Co., Inc., Boston, Mass. Combined expanding wallet and card holder. 2,135,865; Nov. 8.

Winthrop Chemical Company. (See Schönbeck, F., and Schröder, assignors.)
Wirkkala, Oscar A., Seattle, Wash. Material handling device. 2,135,994; Nov. 8.
Witte, Emil A., Milwaukee, assignor, by mesne assignments, to Western Coil & Electrical Co., Racine, Wis. Toy airplane. 2,136,067; Nov. 8.
Witzke, Otto J., San Francisco, Calif., assignor to American Can Company, New York, N. Y. Fluxing device. 2,135,995; Nov. 8.
Woller, Edward E., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Studio couch. 2,135,687; Nov. 8.
Wood, Donald L., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Ventilating of lamp houses. 2,135,996; Nov. 8.
Wood, Frank J., Riverside, Ill. Coupling for power shafts. 2,135,929; Nov. 8.
Woodall, John H., Woodland, Ga. Basket cushion. 2,135,955; Nov. 8.
Woodall, John H., Woodland, Ga. Packing cushion, etc. 2,135,956; Nov. 8.
Wright, Joseph, Stoke Park, Coventry, and H. Trevaskis, Sutton Coldfield, assignors to Dunlop Rubber Company, Limited, London, England. Firing device for automatic guns. 2,135,688; Nov. 8.
Wright, Walter F. (See Dall, Edward D., assignor.)
Wuensch, Charles E., South Orange, N. J., assignor to Wuensch Hetero Concentration Process Company, Wilmington, Del. Concentration. 2,135,957; Nov. 8.
Wuensch Hetero Concentration Process Company. (See Wuensch, Charles E., assignor.)
Wurlitzer, Rudolph, Company, The. (See Lindeberg, Carl, assignor.)
Wyland, J. W., & Sons. (See Wyland, William C., assignor.)
Wyland, William C., Alhambra, assignor to J. W. Wyland & Sons, San Gabriel, Calif. Multiple egg feeding and tilting device. 2,135,778; Nov. 8.
Yackley, Wilbur A. (See Sherman, J. Q., and Yackley.)
Yawman & Erbe Mfg. Co. (See Roscoe, Edwin S., assignor.)
Yeager, Anton J., assignor to Prentiss-Wabers Products Co., Wisconsin Rapids, Wis. Lamp. 2,135,689; Nov. 8.
Yocum, Wilbur E., Chevy Chase, Md. Target. 2,135,549; Nov. 8.
Young, Leonard A. (See Oldham, John M., assignor.)
Zayotti, Attilio H., Palmyra, N. J., and E. R. Reber, Philadelphia, Pa. Blanket. 2,135,779; Nov. 8.
Zecher, Gustav. (See Addink, N. W. H., de Boer, Alphen, and Zecher.)
Zehner, William H., assignor to The F. E. Myers & Bro. Co., Ashland, Ohio. Grapple fork lock and head. 2,135,930; Nov. 8.
Zeiss, Carl. (See Kern, Wilhelm, assignor.)
Zeiss, Carl. (See Krieg, W. K., and Scheller.)
Zeiss, Carl. (See Papello, Karl, assignor.)
Zemba, John W. (See Coleman, G. H., and Zemba.)
Zim Manufacturing Company. (See Berkman, Herbert A., assignor.)
Zwilgmeyer, Frithjof. (See Dahlen, M. A., and Zwilgmeyer.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 8TH DAY OF NOVEMBER, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Brake, Fluid pressure. E. A. Rockwell. Re. 20,910; Nov. 8.
Roll changer for printing presses. B. C. White. Re. 20,912; Nov. 8.
Sander, Track. W. H. White. Re. 20,913; Nov. 8.
Tube, Discharge. A. Claude. Re. 20,909; Nov. 8.
Window channel. A. Rydquist. Re. 20,911; Nov. 8.

LIST OF PLANT INVENTIONS

Rose. F. Meilland. 303; Nov. 8.
Rose. D. Alcardi. 304; Nov. 8.

LIST OF DESIGN INVENTIONS

Fabric or similar article, Textile. M. Turpan. 112,136; Nov. 8.
Fabric, Textile. C. E. Forstmann. 112,108–10; Nov. 8.
Fabric, Textile. V. Gantner. 112,113; Nov. 8.
Fabric, Textile. G. Megibow. 112,122; Nov. 8.
Fabric, Textile. J. Morris. 112,126–7; Nov. 8.
Fabric, Textile. W. D. Roberson. 112,132; Nov. 8.
Fork, Lobster. E. Johansson, Jr. 112,042; Nov. 8.
Gear shift hand selector and handle, or similar article, Combined automobile. R. F. Peo. 112,128; Nov. 8.
Guard for automobile bumpers, Auxiliary. T. S. and P. S. Vosbikian. 112,137; Nov. 8.
Handle, Lawn mower. T. B. Funk. 112,112; Nov. 8.
Holder, Scarf. J. R. Craighead. 112,055; Nov. 8.
Holder, Twine. H. H. Rominger. 112,046; Nov. 8.
Ice cream disher. P. F. Donahue. 112,040; Nov. 8.
Iron, Steam-electric pressing. E. F. Pohl. 112,129; Nov. 8.
Jug or similar article, Water. R. R. Kostellow. 112,043; Nov. 8.
Key, Souvenir. G. Bohland. 112,050; Nov. 8.
Knife. J. Didio. 112,059; Nov. 8.
Knocker, Table. S. Cerrina. 112,053; Nov. 8.
Lace. G. M. Boysen. 112,138; Nov. 8.
Lace. B. Edson. 112,139–43; Nov. 8.
Lace. J. Merriman. 112,123; Nov. 8.
Lamp. D. L. Moore. 112,084; Nov. 8.
Lamp base. H. R. Poeter and H. E. Ormston. 112,087; Nov. 8.
Lamp, Table. D. G. Helmer. 112,066; Nov. 8.
Lamp, Table. D. M. Simpson. 112,093; Nov. 8.
Lighting fixture, Electric. D. H. Holden. 112,068; Nov. 8.
Monument. R. A. Grieve. 112,063; Nov. 8.
Paper, Wrapping. A. Lewin. 112,118; Nov. 8.
Pinking machine. W. T. Maxant. 112,121; Nov. 8.
Plaque or similar article. P. S. Donchian. 112,060; Nov. 8.
Power transmitting unit. L. J. Bishop. 112,102; Nov. 8.
Rowboat. C. G. MacGregor. 112,120; Nov. 8.
Shaker, Condiment. E. W. Fuerst. 112,062; Nov. 8.
Shoe. D. J. Calderazzo. 112,052; Nov. 8.
Shoe. H. B. Delman. 112,056–8; Nov. 8.
Shoe. L. J. Jordan. 112,144; Nov. 8.
Shoe. M. Kalmon. 112,071; Nov. 8.
Shoe. D. Levin. 112,074; Nov. 8.
Shoe. D. Levin. 112,076; Nov. 8.
Shoe. P. Lorman. 112,081; Nov. 8.
Shoe. A. H. Tupper. 112,095–6; Nov. 8.
Shoe or similar article. D. Levin. 112,075; Nov. 8.
Shoe or similar article. D. Levin. 112,077; Nov. 8.
Shoe or similar article. A. Perugia. 112,085–6; Nov. 8.
Shoe skate clog. J. V. Lewis. 112,078; Nov. 8.
Signal device. L. Rittenhouse and S. M. Crossett. 112,088; Nov. 8.
Signal, Illuminable traffic. F. A. Robinson and C. Reutter. 112,089; Nov. 8.
Spoon or other article of flatware. L. V. Helander. 112,065; Nov. 8.
Spoon or other article of flatware. J. R. Price. 112,130; Nov. 8.
Stove, Cook. B. W. Tullis. 112,135; Nov. 8.
Swith unit, Electric. D. E. Reed. 112,131; Nov. 8.
Table. P. Bandrimer and J. Perioff. 112,035; Nov. 8.
Table or similar article, Display. T. M. Dunham. 112,041; Nov. 8.
Tablecloth or similar article. H. F. Melia. 112,083; Nov. 8.
Tile. E. Parker. 112,044; Nov. 8.
Toy projector gun. E. Rundles. 112,090; Nov. 8.
Wheel. C. S. Ash. 112,101; Nov. 8.
Badge or similar article. J. B. Swoboda. 112,049; Nov. 8.
Base and column for lamps, Combined. D. Shepard. 112,091; Nov. 8.
Base and pedestal for table lamps, Combined. J. Higgins. 112,067; Nov. 8.
Battery, Rabbit. W. H. Jones, G. T. Markey, and J. B. Olson. 112,070; Nov. 8.
Bedspring. E. W. Schlappritzi. 112,047; Nov. 8.
Bicycle. H. M. Huffman, Jr., and J. H. Horstman. 112,069; Nov. 8.
Block, Hollow glass building. C. H. Smith and D. Jones. 112,048; Nov. 8.
Bottle, Glass. S. Brandeis. 112,103; Nov. 8.
Bottle inspection machine. E. Worthington. 112,097; Nov. 8.
Bottle pourer. F. W. Hoeter. 112,115; Nov. 8.
Brooch or similar article. B. Bauer and E. Steiner. 112,036; Nov. 8.
Buckle. J. B. Freysinger. 112,061; Nov. 8.
Building. E. Kaplan. 112,072; Nov. 8.
Cabinet, Phonograph. P. M. Fuller. 112,111; Nov. 8.
Cabinet, Refrigerator. R. Loewy. 112,080; Nov. 8.
Case, Battery. E. Arens. 112,099–100; Nov. 8.
Case, Spectacle. S. L. Lachter. 112,073; Nov. 8.
Casing for liquid dispensing apparatus. H. O. Grimmelsen, W. C. Leitch, and W. H. de Lancey. 112,064; Nov. 8.
Casing, Heater. C. E. Meyerhoefer. 112,124; Nov. 8.
Casing or similar article, Parking meter. J .F. Lindberg. 112,079; Nov. 8.
Casket. A. J. Christian. 112,054; Nov. 8.
Chair. W. H. Bond, Jr. 112,051; Nov. 8.
Chair, Child's. G. M. Roberts. 112,045; Nov. 8.
Chart or similar article, Guide. S. J. Sigaloff. 112,092; Nov. 8.
Chest or similar article. M. Hanson. 112,114; Nov. 8.
Clip or similar article. D. Cooper. 112,038; Nov. 8.
Coat. E. Klepper. 112,117; Nov. 8.
Coat. A. Shotland. 112,133–4; Nov. 8.
Cottage. B. J. McGarry. 112,082; Nov. 8.
Cover, Printing telegraph apparatus. G. R. Lum and A. L. Mell. 112,119; Nov. 8.
Curtain or similar article. G. F. Erhard. 112,104–7; Nov. 8.
Dispenser, Beverage. H. E. Crosby. 112,039; Nov. 8.
Display form. A. Spear. 112,094; Nov. 8.
Dress. J. Abbate. 112,098; Nov. 8.
Dress. A. S. Kaplan. 112,116; Nov. 8.
Dress. C. Mitchell. 112,125; Nov. 8.
Eraser and pencil tip, Combined. I. Chesler. 112,037; Nov. 8.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 8TH DAY OF NOVEMBER, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading device, Centrifugal. A. V. Hollingsworth. 2,135,510; Nov. 8.
Abrasive article and manufacturing the same. N. P. Robie. 2,135,626; Nov. 8.
Abrasive articles, Making. W. D. Rossow. 2,136,022; Nov. 8.
Abrasive product and making the same, Noncurling coated. N. E. Oglesby. 2,136,150; Nov. 8.
Absorber and rebreathing mechanism for anesthetizing machines. J. A. Heidbrink. 2,136,244; Nov. 8.
Abutment device, Hydraulic. J. F. Joy. 2,136,080; Nov. 8.
Accordion shift mechanism. C. Lindeberg. 2,136,112; Nov. 8.
Acid and sodium sulphate, Manufacture of hydrochloric. H. Oehlert. 2,135,674; Nov. 8.
Acid by the contact process, Manufacture of sulphuric. C. F. R. Harrison, A. M. Clark, and C. L. Hilton. 2,136,298; Nov. 8.
Acid esters, Pseudo-azimido-benzene-amino-acylocetic. H. Johner and G. Bonhôte. 2,136,135; Nov. 8.
Acid manufacture, Nitric. R. S. Richardson. 2,135,733; Nov. 8.
Adsorbents, Production of polar. E. B. Higgins. 2,136,167; Nov. 8.
Advertising device. F. Cargill. 2,135,483; Nov. 8.
Advertising device. W. Rydberg. 2,135,914; Nov. 8.
Advertising device, Illuminated. F. J. Cargill. 2,135,484; Nov. 8.
Aerial cable support. E. C. Vrooman. 2,136,258; Nov. 8.
Aging device for the contents of barrels, casks, or the like. C. D. Nagle. 2,135,622; Nov. 8.
Agricultural implement. L. L. Godwin. 2,136,129; Nov. 8.
Air compressing apparatus. L. H. Browne. 2,136,098; Nov. 8.
Air conditioning system, Zone. A. C. Grant. 2,136,336; Nov. 8.
Aircraft, Roadable autorotative-winged. H. S. Campbell. 2,135,699; Nov. 8.
Aircraft, Rotary wing. E. Daland. 2,136,165; Nov. 8.
Air filter. R. S. Walker. 2,135,863; Nov. 8.
Airplane having a variable lifting surface. J. Gerin. 2,136,128; Nov. 8.
Alcohol esters of dibasic acids and method of producing, Terpene. J. N. Borglin. 2,136,000; Nov. 8.
Alloy: *See*—
Aluminum base alloy. Copper alloy.
Alloy. A. G. de Golyer. 2,135,494–5; Nov. 8.
Alloys, Copper. F. R. Hensel and E. I. Larsen. 2,136,212; Nov. 8.
Alloys, Producing beryllium. M. Merlub-Sobel. 2,135,983; Nov. 8.
Altimeter. C. H. H. Rodanet. 2,135,950; Nov. 8.
Aluminum base alloy. N. V. Hybinette. 2,136,053; Nov. 8.
Amines and preparing the same, Unsaturated. W. H. Carothers and G. J. Berchet. 2,136,177; Nov. 8.
Aminocelluiose derivatives. J. F. Haskins. 2,136,299; Nov. 8.
Ammonium perphosphate in solid form, Electrolytic production of. W. Voelkel. 2,135,545; Nov. 8.
Amplifier, Thermionic. V. M. Cousins. 2,135,562; Nov. 8.
Anchor, Packing. R. E. Fulkerson. 2,136,047; Nov. 8.
Anhydride, Acetic-pyruvic. G. D. Graves. 2,135,709; Nov. 8.
Apparatus for closing a bottle or a similar container with a capsule. N. J. O. J. Ebbedal. 2,136,287; Nov. 8.
Apparatus for controlling the concentration of boiling solutions. A. L. Holven. 2,135,513; Nov. 8.
Apparatus for transfering loads, Portable. E. G. Amesbury. 2,135,631; Nov. 8.
Appliance for dispensing dental cotton. P. D. L'Hommedieu. 2,136,352; Nov. 8.
Arc lamp. A. Müller. 2,136,309; Nov. 8.
Article transfer and loading device. W. A. Morton, H. A. Moore, and H. A. Roth. 2,135,986; Nov. 8.
Articles, Apparatus for coating. R. R. Putt. 2,135,601; Nov. 8.
Articles, Manufacturing formed or molded. J. A. Babor. 2,135,554; Nov. 8.
Articles produced directly from paper pulp, Apparatus for finishing hollow. R. Marguerat and E. M. Chevrier. 2,135,825; Nov. 8.
Attachment plug. H. C. Karst. 2,136,193; Nov. 8.
Automatic loom. W. F. Bird and W. R. Hewton. 2,136,331; Nov. 8.
Automobile heater. M. J. Marty. 2,135,827; Nov. 8.
Automobile spring wheel. O. B. Olson. 2,136,311; Nov. 8.
Automotive vehicle. E. C. Merry. 2,135,906; Nov. 8.
Autos, Preventing the back-rolling of. C. M. Jameson. 2,135,896; Nov. 8.
Ball winding machine. J. M. Oldham. 2,136,195; Nov. 8.
Bar: *See*—
Beverage dispensing bar. Handle bar.
Base, Bobbin. W. B. Cooper. 2,136,073; Nov. 8.
Battery terminal. C. E. B. Nelson. 2,135,910; Nov. 8.
Beam and joint therefor, Metallic truss. E. A. Braden. 2,136,071; Nov. 8.
Bearing. F. Leister. 2,135,902; Nov. 8.
Bed attachment. R. M. Stevens. 2,136,088; Nov. 8.
Bed bottom, bed spring, or the like, Spring. C. J. Elder. 2,135,804; Nov. 8.
Bed, Foldable. G. Isbell and E. J. C. Rogers. 2,135,517; Nov. 8.
Bedspring. D. C. Travis. 2,135,607; Nov. 8.
Bench, Piano. G. W. Smith. 2,136,325; Nov. 8.
Beverage dispensing bar. S. D. Levings. 2,135,821; Nov. 8.
Binder, Visible shift. J. H. O. Kornahrens. 2,135,943; Nov. 8.
Blackboard frame construction. A. M. Masters. 2,135,982; Nov. 8.
Blade for airscrews and the like. C. R. Fairey. 2,135,887; Nov. 8.
Blanket. A. H. Zayotti. 2,135,779; Nov. 8.
Blind construction, Venetian. F. J. Burns. 2,135,795; Nov. 8.
Block making machine. J. J. Holland, Jr., 2,136,009; Nov. 8.
Bloops in spliced sound-on-film moving picture positive films, Apparatus for eliminating. T. J. Walsh and J. Antofilli. 2,135,684; Nov. 8.
Board: *See*—
Shirt board.
Boiler. W. Waudby. 2,136,175; Nov. 8.
Bootleg, Railway. H. L. Bone. 2,135,741; Nov. 8.
Bottle collar. L. P. Neher. 2,135,830; Nov. 8.
Bottle, Paper milk. H. T. Snyder. 2,135,855; Nov. 8.
Box: *See*—
Cigar box.
Brake. W. A. Carnes. 2,135,796; Nov. 8.
Brake. M. P. Laurent. 2,136,111; Nov. 8.
Brake cylinder and making same, Hydraulic. J. W. Leighton. 2,136,302; Nov. 8.
Brake device, Automatic. C. M. Jameson. 2,135,897; Nov. 8.
Brake mechanism. G. H. Hunt. 2,135,666; Nov. 8.
Brake mechanism. L. A. Majneri. 2,136,194; Nov. 8.
Brake system, Hydraulic. P. F. Rossmann. 2,136,318; Nov. 8.
Bridge circuit, Variable resistance. R. Weber. 2,135,953; Nov. 8.
Bridge, Variable ratio arm. M. J. Lovelady. 2,135,587; Nov. 8.
Broaching machine, Pull. R. A. Thompson. 2,135,861; Nov. 8.
Brushes, Making. L. C. Herold. 2,136,103; Nov. 8.
Building covering unit. W. B. Fried. 2,135,572; Nov. 8.
Building element, Faced. K. Turk. 2,135,544; Nov. 8.
Burner construction, Oil. N. F. Bennett. 2,135,786; Nov. 8.
Button in two parts. K. Veselý. 2,136,161; Nov. 8.
Cable: *See*—
Electric cable.
Cable installation, Overhead. F. W. Engster. 2,136,238; Nov. 8.
Cable protector for battery terminals. D. L. Dixon. 2,136,005; Nov. 8.
Camera and range finder. A. Nagel. 2,135,989; Nov. 8.
Camera, Coupled range finder. A. Nagel. 2,135,988; Nov. 8.
Camera finder construction. C. W. Crumrine. 2,135,963; Nov. 8.
Camera, Reflex. K. Nüchterlein. 2,136,148; Nov. 8.
Camera stop device. A. C. and H. E. Hansch. 2,135,507; Nov. 8.
Camera stop device and timing means therefor. A. C. and H. E. Hansch. 2,135,506; Nov. 8.
Can body making machine. A. and G. W. Johnson. 2,135,579; Nov. 8.
Can stacking machine. H. R. Evans and W. C. Hulsman. 2,135,805; Nov. 8.
Cap: *See*—
Lug cap.
Cap and package, Closure. A. Podel. 2,135,731; Nov. 8.
Cap package, Electric blasting. J. Stuart, II. 2,136,031; Nov. 8.
Cap retainer, Valve. C. J. Clarke. 2,136,002; Nov. 8.
Capping machine, Straight line. P. M. Blackman and H. R. Baldwin. 2,136,037; Nov. 8.
Car articulation. W. H. Mussey and M. P. Blomberg. 2,135,523; Nov. 8.
Car card holder. E. T. Doherty. 2,135,567; Nov. 8.
Car construction, Steel. C. J. Scudder and E. M. Jenkins. 2,136,321; Nov. 8.
Carbides, Producing. H. P. Kirchner and R. C. Benner. 2,136,107; Nov. 8.
Carbon dioxide in gases for breathing, Means for indicating presence and relative amounts of. W. B. Draper. 2,136,236; Nov. 8.
Carburetor. J. B. Sinderson. 2,135,539; Nov. 8.
Carburetor. W. H. Weber. 2,136,353; Nov. 8.
Card for filing systems, Multi-index-insert. LaV. W. Gillette. 2,135,708; Nov. 8.
Carrying case. H. R. Darling and N. B. Green. 2,136,357; Nov. 8.
Cars and the like, Top icing loaded refrigator. V. Keith. 2,136,214; Nov. 8.
Carton. A. W. Scotcher. 2,135,678; Nov. 8.
Carton closing machine. J. A. Fermann and J. H. Mosley. 2,135,806; Nov. 8.
Carton, Display. W. A. Ringler. 2,135,533; Nov. 8.
Case: *See*—
Carrying case.
Casket positioning device. G. C. Jamison. 2,135,898; Nov. 8.
Casting. J. Schmeller, Sr. 2,135,537; Nov. 8.
Catalogue, Wall paper display. N. P. Moses. 2,135,590; Nov. 8.
Cellulose derivatives, Nitrogen-containing. V. R. Hardy. 2,136,296; Nov. 8.
Cellulose derivatives, Refining of. C. J. Malm. 2,135,980; Nov. 8.
Cellulose esters, Preparing. H. G. Stone. 2,136,030; Nov. 8.
Cement, Sulphur. W. W. Duecker. 2,135,747; Nov. 8.
Centrifugal separator. H. W. Fawcett. 2,136,127; Nov. 8.
Chair. C. H. Oermann. 2,135,833; Nov. 8.
Chair. S. Peppas. 2,136,058; Nov. 8.
Chair with tiltable seat. M. Stam. 2,136,198; Nov. 8.
Check-cash book. C. A. Frost. 2,136,186; Nov. 8.
Checkerwork, Cleaning. F. H. Loftus. 2,136,113; Nov. 8.
Chip conveyer. C. R. Housdorfer. 2,136,010; Nov. 8.
Chloride, Method of and compounds for controlling polymerization of vinylidene. G. H. Coleman and J. W. Zemba. 2,136,334; Nov. 8.
Chloride, Stabilization of vinylidene. G. H. Coleman and J. W. Zemba. 2,136,333; Nov. 8.
Chloride, Stabilizing vinylidene. R. M. Wiley. 2,136,347–9; Nov. 8.
Chute, Coin. B. C. Grunig. 2,135,710; Nov. 8.
Chute restraining means for use in dehorning, Cattle. W. Gregory. 2,136,008; Nov. 8.
Cigar box. H. Jacobstein. 2,135,518; Nov. 8.
Cigar machine. K. E. Granstedt. 2,135,892; Nov. 8.
Cinematographic apparatus. L. Goldhammer. 2,135,638; Nov. 8.
Circuit: *See*—
Bridge circuit. Railway track circuit.
Frequency control circuit. Relay circuit.
Gain control circuit. Track circuit.
Indicator circuit. Telephone instrument circuit.
Noise suppressor circuit. Volume control circuit.
Normalizing circuit.
Circuit and relay therefor, Railway track. N. D. Preston. 2,135,528; Nov. 8.
Circuit breaker. V. Weber. 2,135,864; Nov. 8.
Circuit for railroads, Track. W. H. Reichard. 2,135,530; Nov. 8.
Circuit for railroads, Track. J. E. Willing. 2,135,548; Nov. 8.
Circuit for railway signaling systems, Track. O. S. Field. 2,135,497; Nov. 8.
Clamp: *See*—
Collar clamp.
Cleaner: *See*—
Pipe cleaner. Vacuum cleaner.
Cleaning by abrasive action, Method and apparatus for. J. D. Alexander. 2,135,550; Nov. 8.
Cleat. A. A. McDonald. 2,136,014; Nov. 8.
Cleaver. M. T. J. Garlinger. 2,135,973; Nov. 8.
Clip: *See*—
Gear centering clip.
Clip. W. E. White. 2,135,686; Nov. 8.
Clock system, Synchronous. J. W. Bryce. 2,135,935; Nov. 8.
Closure, Expansible mesh. N. L. Cornell and E. G. Gerber. 2,136,042; Nov. 8.
Closure for jars and the like. G. J. Overmyer. 2,135,834; Nov. 8.
Closure for receptacles. C. S. Baron. 2,136,123; Nov. 8.
Clothes hook. A. R. Bunting. 2,136,272; Nov. 8.
Clothesline reel. H. Nilsen. 2,135,831; Nov. 8.
Clutch: *See*—
Self energizing clutch.
Clutch. A. Dukelow and L. M. Alger. 2,135,971; Nov. 8.
Clutch throw-out, Hydraulic. H. D. Geyer. 2,135,617; Nov. 8.
Coating composition. G. D. Patterson. 2,136,313; Nov. 8.
Coating, Process for metal. M. G. Whitfield and V. Sheshunoff. 2,135,652; Nov. 8.
Coatings on various articles, Process and apparatus for producing metallic. H. Schneider. 2,136,024; Nov. 8.
Coffee brewer. J. Taxay. 2,135,543; Nov. 8.
Coffee, Conserving roasted. M. Specht. 2,136,154; Nov. 8.
Coffee-making apparatus. J. H. Lieber. 2,135,903; Nov. 8.
Coil, High-frequency. W. J. Polydoroff and D. V. Sininger. 2,135,841; Nov. 8.
Coil tilting device. B. H. Gedge, Jr. 2,135,890; Nov. 8.
Collar clamp, Shirt. E. B. Jones. 2,135,753; Nov. 8.
Colors, Manufacturing sulphur. S. Norman. 2,136,016–17; Nov. 8.
Combustion chamber and heat exchanger, Combined. H. Warr. 2,135,547; Nov. 8.
Compass, Gyro magnetic. J. B. Peterson. 2,135,552; Nov. 8.
Compensator for nail driving mechanism, Adjustable. H. E. Twomley. 2,135,650; Nov. 8.
Composition of matter and making the same. W. J. Koenig. 2,135,976; Nov. 8.
Compounds and preparing them, Aliphatic unsaturated. W. H. Carothers and G. J. Berchet. 2,136,178; Nov. 8.
Compressor, Fluid. F. A. Halleck. 2,136,339; Nov. 8.
Compressor pump, Rotary oscillating wing vane. J. S. Wentworth. 2,135,881; Nov. 8.
Compressor, exhauster, pump, and the like, Rotary. T. W. Nichols. 2,136,117; Nov. 8.
Concentration. C. E. Wuensch. 2,135,957; Nov. 8.
Condensation process. W. Mitchell. 2,136,217; Nov. 8.
Conduit rod. A. R. Askue. 2,135,487; Nov. 8.
Conduits, Installing drainage. A. J. Parrish. 2,136,152; Nov. 8.
Confection. J. B. Friedman. 2,135,808; Nov. 8.
Connecter: *See*—
Solderless connecter.
Connecter for adjustable apparel belt chain ends. W. Forstner. 2,135,616; Nov. 8.
Connecter for pressure lines. H. A. Flader. 2,135,889; Nov. 8.
Constituents of automobile tires and the like, Salvaging. A. B. Buxbaum. 2,136,099; Nov. 8.
Contact plug. N. Oishansky. 2,136,057; Nov. 8.
Contactor, Resistance. H. F. Fruth. 2,135,809; Nov. 8.
Container: *See*—
Dispensing container. Freight container.
Container. F. E. Guntrip. 2,135,503; Nov. 8.
Container and closing cap therefor. J. N. Jones. 2,135,752; Nov. 8.
Container closing and opening means. D. Rosen. 2,135,602; Nov. 8.
Container lifter. R. S. Harris. 2,136,297; Nov. 8.
Contours in the drawing to be transferred by heliogravure upon the intaglio cylinders or plates, Production of the. K. Hintsches. 2,135,816; Nov. 8.
Control. W. J. McGoldrick. 2,135,829; Nov. 8.
Control apparatus, Interlocking. H. A. Thompson. 2,136,159; Nov. 8.
Control device for breather type storage tanks. J. H. Wiggins. 2,136,202; Nov. 8.
Control for evaporating apparatus, System of. A. L. Holven. 2,135,512; Nov. 8.
Control for hydraulic brakes, Auxiliary. D. Collins. 2,136,276; Nov. 8.
Control switch. A. W. Shepherd. 2,136,220; Nov. 8.
Control system for steam refrigerating systems. A. A. Markson. 2,136,114; Nov. 8.
Control system, Remote. G. A. Burns. 2,135,794; Nov. 8.
Conveyer. H. V. Sturtevant. 2,136,156; Nov. 8.
Conveyer, Continuous transverse roller fruit. G. C. Paxton. 2,135,838; Nov. 8.
Conveyer mechanism. W. J. Taylor. 2,136,267; Nov. 8.
Copper alloy. F. R. Hensel and E. I. Larsen. 2,136,211; Nov. 8.
Core covering machine. J. P. Shorrock. 2,136,026; Nov. 8.
Core drill. J. C. Stokes. 2,135,737; Nov. 8.
Corselet. D. W. Adair. 2,135,931; Nov. 8.
Corset or girdle and combination. E. Bertrams. 2,135,655; Nov. 8.
Cosmetic device. L. H. Amdur. 2,136,204; Nov. 8.
Couch, Studio. E. E. Woller. 2,135,687; Nov. 8.
Coupling: *See*—
Shaft coupling.
Coupling and aligning device. M. T. J. Garlinger. 2,135,972; Nov. 8.
Coupling for power shafts. F. J. Wood. 2,135,929; Nov. 8.
Coupling for sucker rods, Rigid. S. E. Gray. 2,135,812; Nov. 8.
Coupling for wires or electrical conductors. G. B. Gordon. 2,135,937; Nov. 8.
Cover: *See*—
Percolator cover.
Crops, Apparatus for dehydrating green forage. J. H. Fulmer. 2,135,636; Nov. 8.
Culm, Flotation of. B. D. Crawford and H. A. Grine. 2,136,074; Nov. 8.
Culm, Flotation of. N. Hedley. 2,136,341; Nov. 8.
Currents, Device for transmitting electric. K. Papello. 2,135,835; Nov. 8.
Cushion, etc., Packing. J. H. Woodall. 2,135,956; Nov. 8.

Cushion, Basket. J. H. Woodall. 2,135,955; Nov. 8.
Cushioning device. A. A. Gobeille, Sr. 2,136,077; Nov. 8.
Cut-out, Electrical. T. Birkenmaier. 2,135,787; Nov. 8.
Cutter: *See*—
Gear cutter.
Cylinder boring machine. R. L. Hibbard. 2,135,508; Nov. 8.
Cylinder, Doffing brush. J. W. Behle. 2,135,478; Nov. 8.
Dashboard tire pressure gauge. O. T. Nelson. 2,135,990; Nov. 8.
Deck lid support. L. A. Bachor. 2,135,784; Nov. 8.
Deflector means. D. H. Prutton. 2,135,842; Nov. 8.
Degree of supersaturation of a boiling solution, Method and apparatus for indicating the. A. L. Holven. 2,135,511; Nov. 8.
Dental instrument. J. H. Blair. 2,135,933; Nov. 8.
Denture. C. H. Prange. 2,135,600; Nov. 8.
Device for exerting a frictional action. J. E. Petit. 2,136,314; Nov. 8.
Device for feeding fluid to the motor portions of internal combustion engines. B. J. Haskins. 2,136,079; Nov. 8.
Die stock. K. A. Kuhn. 2,135,671; Nov. 8.
Differential pressure mechanism. W. Harper, Jr. 2,135,939; Nov. 8.
Diphenyl compounds and salts thereof, Sulphonated alkylated. G. L. Magoun. 2,135,978; Nov. 8.
Directional signal. A. M. Nielsen. 2,136,310; Nov. 8.
Discharge for concrete mixers. E. H. Lichtenberg and O. Sheck. 2,135,874; Nov. 8.
Dishwashing apparatus. F. A. Walker. 2,136,259; Nov. 8.
Disk rolling apparatus. A. B. Pearson. 2,135,643; Nov. 8.
Dispenser and timer, Paper towel. L. L. Price and M. E. Maltby. 2,135,767; Nov. 8.
Dispenser for foods and the like. H. H. Holmes. 2,136,263; Nov. 8.
Dispensing apparatus for vending machines. F. W. Hoban. 2,135,665; Nov. 8.
Dispensing container. K. C. Gulden. 2,136,338; Nov. 8.
Dispensing device. L. N. Booger. 2,135,999; Nov. 8.
Dispensing device. B. F. Smiggen. 2,135,854; Nov. 8.
Display device. E. Schwartz. 2,135,604; Nov. 8.
Door: *See*—
Furnace door.
Door controlling device. G. C. Christy. 2,136,274; Nov. 8.
Door latch, Refrigerator. P. Crosley, Jr. 2,135,799; Nov. 8.
Door opening and closing mechanism. A. B. Steele. 2,136,061; Nov. 8.
Draft control device. R. W. Franks. 2,135,501; Nov. 8.
Drafting apparatus. A. Langsner. 2,136,140; Nov. 8.
Drain valve. F. L. White. 2,136,163; Nov. 8.
Drawer, Collapsible filing. H. L. Fellowes. 2,136,184; Nov. 8.
Drawing press, Triple-action. W. Ernst. 2,136,240; Nov. 8.
Drier: *See*—
Laundry drier. Roll type drier.
Drill: *See*—
Core drill.
Drilling control. F. W. Hild. 2,136,356; Nov. 8.
Drilling rig. J. E. Renfer. 2,135,769; Nov. 8.
Drink mixing apparatus. W. S. Fredenhagen and M. S. Schmidt. 2,136,355; Nov. 8.
Drive, Auxiliary power. C. S. Hazard. 2,135,576; Nov. 8.
Drive for internal combustion engines, Starter. Y. Sekella. 2,135,653; Nov. 8.
Drive transmission means for motor-road vehicles. H. H. Lee. 2,135,722; Nov. 8.
Drying apparatus. W. A. Darrah. 2,136,166; Nov. 8.
Drying unit. P. J. Murray. 2,135,781; Nov. 8.
Dual-wheel assembly. H. N. Durham and K. E. Canfield. 2,135,568; Nov. 8.
Dump body leverage. F. Biszantz. 2,136,231; Nov. 8.
Duplicators, Moistening means for. A. Marchev. 2,135,824; Nov. 8.
Dyeing process. B. Bienert and K. Holzach. 2,135,633; Nov. 8.
Dyestuff, Anthraquinone-naphthacridone. W. Moser and W. Fioroni. 2,136,146; Nov. 8.
Dyestuffs. H. Johner and G. Bonhôte. 2,136,136; Nov. 8.
Dyestuffs and fiber dyed therewith, Azo. M. A. Dahlen and F. Zwilgmeyer. 2,135,964; Nov. 8.
Dyestuffs and their preparation, Disazo. A. Krebser. 2,136,138; Nov. 8.
Dyestuffs, Azo. J. H. Helberger and H. Ohlendorf. 2,136,300; Nov. 8.
Dynamo-electric machine. J. S. and G. W. Hoddy. 2,136,301; Nov. 8.
Egg feeding and tilting device, Multiple. W. C. Wyland. 2,135,778; Nov. 8.
Elastic fabric. H. K. Lea. 2,135,901; Nov. 8.
Electric cable. E. A. Mitchell. 2,135,985; Nov. 8.
Electric discharge apparatus. W. Dällenbach. 2,135,883; Nov. 8.
Electric discharge device. D. Gábor. 2,136,292; Nov. 8.
Electric discharge device, Gaseous. H. Alterthum and M. Pirani. 2,135,691; Nov. 8.
Electric discharge device, Gaseous. O. Fritze. 2,135,706; Nov. 8.
Electric discharge device, Gaseous. G. Gaidies. 2,135,707; Nov. 8.
Electric discharge device, Gaseous. W. Hagen and W. Thouret. 2,135,661; Nov. 8.
Electric discharge device, Gaseous. R. Rompe and W. Thouret. 2,135,734; Nov. 8.
Electric discharge device, Gaseous. W. R. Walker. 2,135,776; Nov. 8.
Electric lamp. G. E. Inman. 2,135,714–5; Nov. 8.
Electric lamp. H. Krefft, W. Wildé, and K. Larche. 2,135,719; Nov. 8.
Electrical apparatus. J. L. Green and F. T. Hicks. 2,136,337; Nov. 8.
Electrical contactor, Speed responsive. C. A. Rasmussen. 2,136,252; Nov. 8.
Electrical regulating apparatus for rectifiers. L. K. Hedding. 2,136,243; Nov. 8.
Electrical regulation. W. J. McLachlan. 2,136,248; Nov. 8.
Electrode and making the same, Storage battery positive. H. R. Harner, F. H Schultz, and E. J. Ritchie. 2,136,241; Nov. 8.
Electrode feeding mechanism for arc lamps. W. K. Krieg and E. Scheller. 2,136,082; Nov. 8.
Electrode gland. W. E. Moore. 2,135,761; Nov. 8.
Electrode structure. J. Hirmann. 2,135,941; Nov. 8.
Electrolyte, Chromium-plating. R. W. Shaffer. 2,136,197; Nov. 8.
Electrolytic device. J. B. Brennan. 2,135,492; Nov. 8.
Electron discharge device. G. Jobst. 2,136,105; Nov. 8.
Emulsions and making same. H. Pirie. 2,136,020; Nov. 8.
Emulsions and making the same. P. L. Boneysteele and M. L. McKercher. 2,135,866; Nov. 8.
Engine: *See*—
Fluid power engine. Rotary engine.
Internal combustion engine
Engine. H. L. Lyon. 2,135,520; Nov. 8.
Engine and pump, Rotary. R. J. F. Moore. 2,135,760; Nov. 8.
Engine valve. R. H. Daisley. 2,135,966; Nov. 8.
Eraser. G. F. Voight. 2,136,093; Nov. 8.
Esters of C-dialkyl glycines. R. A. Jacobson. 2,135,641; Nov. 8.
Esters of cellulose, Preparation of mixed. C. J. Malm. 2,135,979; Nov. 8.
Evaporator, Refrigerant. D. F. Newman. 2,136,249; Nov. 8.
Extensible table. F. T. Parrish and A. J. Frazee. 2,135,836; Nov. 8.
Fabric: *See*—
Elastic fabric.
Fabric, Producing air permeable pile. G. S. Hiers. 2,135,712; Nov. 8.
Fabrics, Manufacture of pile. G. S. Hiers. 2,135,711; Nov. 8.
Fastener: *See*—
Paper fastener.
Fastener for corsets and the like. J. Pothier. 2,135,597; Nov. 8.
Fasteners, Making slide. A. Konoff. 2,135,717; Nov. 8.
Feeder. S. Clark. 2,135,867; Nov. 8.
Ferromolybdenum, Producing. J. D. Sullivan and D. Niconoff. 2,135,630; Nov. 8.
Fertilizers, Producing granular. H. A. Beekhuis, Jr. 2,136,069; Nov. 8.
Filaments, Spinning artificial. W. Whitehead. 2,136,201; Nov. 8.
Filing device. E. Kern. 2,136,168; Nov. 8.
Film handling apparatus. W. D. Foster. 2,135,500; Nov. 8.
Film handling apparatus. C. J. Hughey. 2,135,817; Nov. 8.
Film, Sound. W. Michaelis. 2,136,143; Nov. 8.
Film, Subbing photographic. G. F. Nadeau. 2,135,524; Nov. 8.
Films, Reproduction of goffered. A. H. J. D. St. Genies. 2,136,327; Nov. 8.
Filter: *See*—
Air filter. Glass filter.
Filter construction. A. H. Weisser. 2,136,200; Nov. 8.
Filter-fan-lamp equipment. D. A. Sargent. 2,136,254; Nov. 8.
Filter for railroad cars, Air. A. E. Voigt. 2,136,065; Nov. 8.
Filter for wall register, Air. M. Harding. 2,135,750; Nov. 8.
Finger ring. I. Roskin. 2,136,218; Nov. 8.
Firearm. E. G. Reising. 2,136,119; Nov. 8.
Fire protecting device with film projectors in cinemas. P. Sebastiani. 2,136,322; Nov. 8.
Firing device for automatic guns. J. Wright and H. Trevaskis. 2,135,688; Nov. 8.
Fishing sinker. A. O. Sarff. 2,135,536; Nov. 8.
Fixture, Work. D. R. Hall. 2,135,505; Nov. 8.
Flash exposure device for cameras. A. C. and H. E. Hansch. 2,135,575; Nov. 8.
Flash lamp. P. O. Cartun. 2,136,234; Nov. 8.
Flashlight combination construction. N. H. Swanson. 2,136,199; Nov. 8.
Flexible compositions. H. L. Bender. 2,136,329; Nov. 8.
Floors and like surfaces, Apparatus for cleansing. L. J. Simon. 2,136,324; Nov. 8.
Flour, Soy bean. R. H. Moulton. 2,135,591; Nov. 8.

Flowerpot holder. T. G. de Vilbiss. 2,136,279; Nov. 8.
Fluid impregnating device. M. J. Belmont. 2,135,932; Nov. 8.
Fluid indicator and metering device, Plunger type. H. J. Anderson. 2,136,261; Nov. 8.
Fluid power engine. P. H. Crary. 2,136,182; Nov. 8.
Fluid pressure press, Endless traveling platen. F. A. Nicholson. 2,135,763; Nov. 8.
Fluid pressure system. W. J. Conery and A. Nelson. 2,135,962; Nov. 8.
Flush valve. W. E. Sloan. 2,136,221; Nov. 8.
Fluxing device. J. G. Reid. 2,135,532; Nov. 8.
Fluxing device. O. J. Witzke. 2,135,995; Nov. 8.
Folding machine for fibrous material. R. O. Waldman and P. F. Thayer. 2,135,880; Nov. 8.
Food products, Apparatus for treating. P. C. Palmer. 2,136,118; Nov. 8.
Food products, Making. J. A. Spencer. 2,135,856; Nov. 8.
Food products, Method of and apparatus for treating. C. J. Conn. 2,136,041; Nov. 8.
Food products, Precooking. C. H. Stocking. 2,135,646; Nov. 8.
Foods, Packing. S. H. Berch. 2,135,479; Nov. 8.
Foodstuff of the nature of cocoa beans, Method and apparatus for separating. H. B. Johnson. 2,135,716; Nov. 8.
Frame: *See*—
Tent frame.
Frame of molded material for automobile bodies. A. G. Snell. 2,136,027; Nov. 8.
Freight container. R. A Norbom. 2,135,526; Nov. 8.
Frequency control circuit, Automatic. G. Mountjoy. 2,135,946; Nov. 8.
Fruit products, Making. W. A. Smith. 2,135,629; Nov. 8.
Fuel injecting device for internal combustion engines. J. E. Tuscher. 2,135,925; Nov. 8.
Fuel, Method and apparatus of producing a high flash safety. J. W. Throckmorton. 2,135,923; Nov. 8.
Fuels, Producing motor. A. L. Lyman and M. M. Holm. 2,135,823; Nov. 8.
Funnel heating device. L. N. Markwood. 2,135,551; Nov. 8.
Furnace: *See*—
Oil burning furnace. Rotary furnace.
Furnace and the operation thereof for industrial purposes. H. W. Spencer and L. S. Davis. 2,135,645; Nov. 8.
Furnace control system. A. L. Sweet. 2,136,256; Nov. 8.
Furnace door. K. S. Jenson. 2,135,899; Nov. 8.
Furnace doorframe. L. R. McAfoos. 2,135,828; Nov. 8.
Furniture leg shoe. R. E. Miller. 2,135,945; Nov. 8.
Furniture support. A. Lorenz and A. Gaal. 2,135,586; Nov. 8.
Fuse. T. Birkenmaier. 2,135,788–9; Nov. 8.
Gain control circuit. J. T. Dixon. 2,135,566; Nov. 8.
Gain control circuit, Automatic. W. R. Koch. 2,135,942; Nov. 8.
Gain control circuit, Delayed automatic. C. P. Beanland. 2,135,556; Nov. 8.
Game apparatus. K. C. Shyvers. 2,136,060; Nov. 8.
Garment for long-eared dogs. R. F. McCaleb. 2,136,115; Nov. 8.
Garment hanger. W. Roberti. 2,135,846; Nov. 8.
Garment, Hose-supporting foundation bloomer. R. F. Peck. 2,136,250; Nov. 8.
Gas delivery apparatus. M. P. De Motte. 2,136,075; Nov. 8.
Gas production, Natural. G. J. Baldwin and G. W. Addy. 2,136,229; Nov. 8.
Gaseous discharge device, Electric. W. Elenbaas. 2,135,702; Nov. 8.
Gaseous discharge device, Electric. W. Elenbaas. 2,135,702; Nov. 8.
Gaseous discharge device, Electric. W. Elenbaas and A. van Wyk. 2,135,701; Nov. 8.
Gaseous discharge device, Electric. W. Hänlein and H. Krefft. 2,135,662; Nov. 8.
Gaseous electric discharge lamp. J. H. Mitchell. 2,135,726; Nov. 8.
Gasket, All-metal. P. J. Fitzgerald. 2,135,807; Nov. 8.
Gauge: *See*—
Dashboard tire pressure gauge.
Gear centering clip, Draft. R. S. Firth. 2,135,704; Nov. 8.
Gear cutter. E. C. Head. 2,135,893; Nov. 8.
Gear for internal combustion engines, Starting. G. E. Ramstad. 2,135,768; Nov. 8.
Gear puller. A. L. Cornwell. 2,136,004; Nov. 8.
Gearing for washing machines and the like, Drive. H. H. Lindstrom. 2,135,904; Nov. 8.
Gears, Producing. E. Wildhaber. 2,136,269; Nov. 8.
Generator: *See*—
Oscillation generator. Wave form generator.
Glass composition. W. Hänlein and H. Krefft. 2,135,663; Nov. 8.
Glass filter. W. O. Luertzing. 2,136,170; Nov. 8.
Glove, Pneumatic boxing. J. Slizus and M. Kairis. 2,135,853; Nov. 8.
Glow lamp, Reflecting. C. Birdseye. 2,135,480; Nov. 8.
Glue and process of manufacture therefor. C. N. Cone. 2,135,745; Nov. 8.
Golf club, Practice. L. T. Stumpf. 2,135,648; Nov. 8.
Grapple fork lock and head. W. H. Zehner. 2,135,930; Nov. 8.
Gravity meter. S. A. Scherbatskoy. 2,136,219; Nov. 8.
Greasing rack. J. M. Paine. 2,135,765; Nov. 8.
Greenhouse. J. H. Kane. 2,136,192; Nov. 8.
Grilles, Producing metal. W. B. Pierce. 2,135,766; Nov. 8.
Grinding tool. H. W. Kulp. 2,135,900; Nov. 8.
Ground working implement. C. C. King. 2,135,580; Nov. 8.
Guard structure, Highway. W. M. Florence. 2,135,705; Nov. 8.
Guide, Saw. R. S. Baker. 2,135,488; Nov. 8.
Hair curler. A. G. Bowyer. 2,135,612; Nov. 8.
Halogen alkylamines, Manufacture of. W. Maier. 2,136,171; Nov. 8.
Handle bar. B. J. Anderson. 2,135,692; Nov. 8.
Hanger: *See*—
Garment hanger.
Harvester-thresher. L. P. Millard. 2,135,621; Nov. 8.
Harvesting apparatus, Handling. T. F. Allen. 2,136,068; Nov. 8.
Headlight. A. M. Diez. 2,136,285; Nov. 8.
Headlight structure. A. M. Diez. 2,136,286; Nov. 8.
Heat exhange apparatus. W. F. Schroth. 2,136,087; Nov. 8.
Heat exchange system. M. E. Hanson. 2,136,132; Nov. 8.
Heat exchanger and making same. C. F. Rosenblad. 2,136,153; Nov. 8.
Heat exchangers. C. F. Rosenblad. 2,136,086; Nov. 8.
Heat conserver for ranges. M. A. Crossman. 2,136,100; Nov. 8.
Heater: *See*—
Automobile heater.
Heating device for automobiles. J. A. Marchner. 2,135,981; Nov. 8.
Heating device for therapeutical purposes. W. W. De Laney. 2,136,043; Nov. 8.
Heating system, Reversed cycle. K. P. Brace and R. B. P. Crawford. 2,135,742; Nov. 8.
Heel and covering the same. W. H. Nutt. 2,135,673; Nov. 8.
Heel-attaching machine. F. L. Brandt. 2,135,656; Nov. 8.
Heliostat, Automatic. J. M. Arthuys. 2,135,997; Nov. 8.
Hinge. G. A. and L. K. Loftin. 2,136,141; Nov. 8.
Hinges for doors and the like, Making. E. S. McCallum. 2,135,723; Nov. 8.
Holder: *See*—
Car card holder. Tool holder.
Flowerpot holder. Wallet and card holder.
Lamp holder.
Homologues of beta-methylcholine halide and their acyl derivatives and their production. R. T. Major and H. T. Bonnett. 2,135,521; Nov. 8.
Hone. W. Vanlandingham. 2,135,926; Nov. 8.
Hood latch. L. R. Rhein and F. A. Cooley. 2,135,625; Nov. 8.
Hood rest for automobiles. S. De Orlow. 2,135,613; Nov. 8.
Hook: *See*—
Clothes hook. Snap hook.
Horn. E. C. Wente. 2,135,610; Nov. 8.
Horse's tail protector. J. A. Vanorio, Jr. 2,136,032; Nov. 8.
Horseshoe. J. Mabius. 2,136,215; Nov. 8.
Hose handling and storing apparatus. G. F. Stewart. 2,135,736; Nov. 8.
Hose, Multiple passage. M. Berman and W. Brockner. 2,136,230; Nov. 8.
Hose support. O. Ruehmann. 2,135,772; Nov. 8.
Hydrogen, Production of. D. C. Bardwell and F. Porter. 2,135,693–4; Nov. 8.
Hydrosulphides, Oxidizing. W. H. Shiffler and M. M. Holm. 2,135,879; Nov. 8.
Ignition device. R. T. Hurley. 2,136,052; Nov. 8.
Illuminated sign. C. E. Swanson. 2,135,859; Nov. 8.
Illumination means for revolving doors. J. W. Shields. 2,136,323; Nov. 8.
Immersion apparatus for subaqueous leak testing of pneumatic tire tubes. H. Smith and G. C. Brentnall. 2,135,681; Nov. 8.
Impulsing device for use with grid-controlled rectifiers. H. A. Rose. 2,135,598; Nov. 8.
Indicator: *See*—
Liquid level indicator. Torsion indicator.
Slide rule indicator.
Indicator circuit, Electron ray tube. D. E. Foster and G. Mountjoy. 2,135,571; Nov. 8.
Inhalator. W. C. and M. E. Roe. 2,136,085; Nov. 8.
Ink compositions. E. Schwabe. 2,135,735; Nov. 8.
Insecticide composition. D. F. Murphy. 2,135,987; Nov. 8.
Insert for converting piston-valve engines into poppet-valve engines. H. J. Lentz. 2,136,013; Nov. 8.
Internal combustion engine. H. G. Gentry. 2,136,293; Nov. 8.
Internal combustion engine. M. Ware. 2,136,162; Nov. 8.
Internal combustion engine, Two-stroke. A. Bokemüller. 2,136,070; Nov. 8.
Jack: *See*—
Lifting jack.
Keyboard control. H. J. Nichols. 2,135,947; Nov. 8.
Jacquard loom. H. Stoehr. 2,136,328; Nov. 8.

Kiln. M. Vogel-Jorgensen. 2,136,174; Nov. 8.
Kneading apparatus. S. Klesskalt, H. Tampke, E. Weingaertner, and K. Winnacker. 2,136,264; Nov. 8.
Knife for lumber-dressing machinery. T. J. Waltmon. 2,136,260; Nov. 8.
Knobs to shafts, Connecting. G. A. Tinnerman. 2,136,160; Nov. 8.
Ladle. R. S. A. Dougherty. 2,135,658; Nov. 8.
Lamp: *See*—
Arc lamp. Glowlamp.
Electric lamp. Flash lamp.
Gaseous electric discharge lamp. Signaling lamp.
Lamp. A. J. Yeager. 2,135,689; Nov. 8.
Lamp device, Gaseous electric discharge. N. W. H. Addink, J. H. de Boer, P. M. V. Alphen, and G. Zecher. 2,135,690; Nov. 8.
Lamp device, Gaseous electric discharge. H. Krefft and A. Rüttenauer. 2,135,718; Nov. 8.
Lamp holder. H. H. Helmbright. 2,136,246; Nov. 8.
Lamp houses, Ventilating of. D. L. Wood. 2,135,996; Nov. 8.
Lamp unit. H. Baumhauer and W. Fehse. 2,135,696; Nov. 8.
Lamps, Method and apparatus for prefocusing. D. E. Elmendorf. 2,136,237; Nov. 8.
Last. D. F. Walker and W. S. Anderson. 2,135,546; Nov. 8.
Latch: *See*—
Door latch. Hood latch.
Lathe with horizontal faceplate. A. Holtmeier. 2,135,640; Nov. 8.
Laundering unit for silk hosiery. P. J. Murray. 2,135,780; Nov. 8.
Laundry drier. G. D. Chadeayne. 2,135,493; Nov. 8.
Leather, Making elastic. S. Troy. 2,136,092; Nov. 8.
Lever and linkage, Automatic. R. C. Russell. 2,136,023; Nov. 8.
Lever, Pull. W. M. Baumheckel. 2,136,095; Nov. 8.
Lifter: *See*—
Container lifter.
Lifting jack. F. L. Gormley. 2,135,938; Nov. 8.
Light, Device for producing visible. J. T. Randall and J. W. Ryde. 2,135,732; Nov. 8.
Lighting control for fuel burners. H. J. Long. 2,135,585; Nov. 8.
Line and altitude delineator. R. M. R. Courtois-Suffit. 2,136,181; Nov. 8.
Linotype machines, Electric control device for. R. V. Streeter. 2,135,919; Nov. 8.
Liquid level indicator. A. E. Mathey. 2,135,522; Nov. 8.
Liquids on roads, Apparatus for distributing. H. Haupt. 2,136,242; Nov. 8.
Loader for loose materials, Mechanical. J. Sheppard. 2,135,773; Nov. 8.
Loading device for developer tanks, Daylight. P. Hagen. 2,135,618; Nov. 8.
Loading machine. F. Cartlidge. 2,135,882; Nov. 8.
Lock: *See*—
Valve lock.
Lock. G. A. and L. K. Loftin. 2,135,905; Nov. 8.
Lock. V. E. Malley. 2,136,054; Nov. 8.
Lock structure, Automobile. A. C. Mabee. 2,135,759; Nov. 8.
Locking device. A. R. Muirhead. 2,136,147; Nov. 8.
Locking device for bearings and the like. T. C. Delaval-Crow. 2,136,125; Nov. 8.
Locking device for bearings and the like. A. R. Spicacci. 2,136,155; Nov. 8.
Locking system. E. D. Dall. 2,135,967; Nov. 8.
Loom: *See*—
Automatic loom. Jacquard loom.
Loom shuttle. W. R. Hewton. 2,135,664; Nov. 8.
Looms, Shuttle-changing device for. C. Valentin and E. Haller. 2,135,608; Nov. 8.
Lubricating apparatus. E. W. Davis. 2,135,563; Nov. 8.
Lubricating threading tool. V. B. Westfall. 2,136,121; Nov. 8.
Lubricator. J. C. Curtis. 2,135,746; Nov. 8.
Lug cap. E. M. Enkur. 2,135,635; Nov. 8.
Lumber to prevent end checking, Coating. M. Gray. 2,136,351; Nov. 8.
Machine for applying pressure to soles and shoes. S. J. Finn. 2,135,660; Nov. 8.
Machine for breaking concrete. W. R. Pettit. 2,136,315; Nov. 8.
Machine for cutting bars of soap and other plastic material. C. F. Carter. 2,136,001; Nov. 8.
Machine for forming spiral bevel gear cutters. E. C. Head. 2,135,894; Nov. 8.
Machine for packaging tooth brushes. E. F. Harmon. 2,135,751; Nov. 8.
Machine for preparing yarn packages. E. J. Abbott. 2,135,485; Nov. 8.
Machine for strapping packages with metal strips, Automatic. W. E. Williams. 2,136,225; Nov. 8.
Machine for the electric welding of tubes. D. Sciaky. 2,136,059; Nov. 8.
Magazine control, Dual. M. T. Goetz. 2,136,048; Nov. 8.
Magnetogenerator. H. C. Pye. 2,135,843; Nov. 8.
Magnetron. K. Fritz. 2,136,101; Nov. 8.
Manifold. H. F. Smith. 2,135,628; Nov. 8.
Manifolding. A. A. Johnson. 2,136,343; Nov. 8.
Manifolding material, Nontransfer. J. Q. Sherman and W. A. Yackley. 2,135,538; Nov. 8.
Manikin, Articulated posture. F. H. Ewerhardt. 2,136,207; Nov. 8.
Marine propulsion unit. H. W. Miller. 2,135,907; Nov. 8.
Marker, Book. J. J. Spandorfer. 2,136,326; Nov. 8.
Mass for dental repair parts, Basic. F. Schönbeck and H. Schröder. 2,135,915; Nov. 8.
Masses, Manufacture of plastic. N. Bennett. 2,136,270; Nov. 8.
Masticating mill. H. R. Jones. 2,135,754; Nov. 8.
Match, Safety book. H. R. Howland. 2,136,051; Nov. 8.
Material handling device. O. A. Wirkkala. 2,135,994; Nov. 8.
Material in dipping machines, Method and automatic device for handling fluent plastic. E. T. Ferngren. 2,136,185; Nov. 8.
Materials which do not flow easily, Molding plastic. V. Dumert. 2,135,803; Nov. 8.
Meat tenderizer. W. L. Campbell. 2,135,960; Nov. 8.
Merchandise display. C. W. Kress. 2,136,109; Nov. 8.
Metal, Treating thin strip. C. B. Higgins. 2,135,713; Nov. 8.
Meter: *See*—
Gravity meter. Volt-ampere-hour meter.
Rotary meter.
Micrometer, Internal diameter. J. Rae. 2,135,912; Nov. 8.
Microscope. G. Fassin. 2,135,870; Nov. 8.
Mill: *See*—
Masticating mill.
Mirror oscillograph, Electrostatic. P. F. Beer. 2,136,018; Nov. 8.
Mixer with two compartment drum, Concrete. J. P. Faber. 2,136,045; Nov. 8.
Model. C. G. Fisher. 2,136,006; Nov. 8.
Monoazo compounds. M. A. Dahlen and F. Zwilgmeyer. 2,135,965; Nov. 8.
Motor drive unit for cameras. J. Mihalyi. 2,135,984; Nov. 8.
Motor mounting, Electric. E. C. Ballman. 2,135,785; Nov. 8.
Motor vehicle. F. C. Rest. 2,136,271; Nov. 8.
Motor vehicle. R. J. Thomas. 2,136,157; Nov. 8.
Mount, Gun. G. E. Barnhart. 2,135,959; Nov. 8.
Mount, Lens. K. Nüchterlein. 2,136,149; Nov. 8.
Mounting: *See*—
Motor mounting. Trap mounting.
Ophthalmic mounting. Tripod mounting.
Mud sheaths from oil wells, Removing. L. T. Monson. 2,135,589; Nov. 8.
Multicontact device. H. F. Obergfell. 2,135,832; Nov. 8.
Multipactor. P. T. Farnsworth. 2,135,615; Nov. 8.
Mural, Intervisual. J. Damon. 2,135,968; Nov. 8.
Music rack, Auxiliary. F. Winans. 2,135,928; Nov. 8.
Naphthenes, Catalytic oxidation of. N. A. Milas and W. L. Walsh. 2,136,144; Nov. 8.
Nitrogen and hydrogen, Producing a mixture of. D. C. Bardwell. 2,135,695; Nov. 8.
Noise suppressor circuit. W. V. B. Roberts. 2,135,949; Nov. 8.
Normalizing circuit. D. V. Sinninger. 2,135,852; Nov. 8.
Nuts, Soy bean. R. H. Moulton. 2,135,592; Nov. 8.
Nuts, Soy bean. I. A. Nohe. 2,135,593; Nov. 8.
Nuts, Soy bean. I. A. Nohe and R. H. Moulton. 2,135,594; Nov. 8.
Oil burning furnace. C. Rialdini. 2,136,317; Nov. 8.
Oil cracking process. G. C. Peckham. 2,135,876; Nov. 8.
Oil well tool. J. H. Nicks. 2,136,015; Nov. 8.
Oils, Apparatus for deodorizing vegetable. J. Stewart. 2,136,029; Nov. 8.
Oils by means of inorganic fluorine compounds, Refining mineral. E. Terres, J. Moos, and H. Ramser. 2,135,922; Nov. 8.
Oils, Distilling hydrocarbon. R. C. Powell. 2,136,172; Nov. 8.
Olefines and catalyst therefor, Polymerizing. L. F. Brooke. 2,135,793; Nov. 8.
Operator for copyholders, Electromechanical. R. V. Streeter. 2,135,918; Nov. 8.
Ophthalmic mounting. S. E. Bouchard. 2,135,791–2; Nov. 8.
Ophthalmoscope. B. A. Diggins. 2,135,801; Nov. 8.
Optical instrument. I. N. Cassity. 2,135,743; Nov. 8.
Optical instrument. R. J. Reichert. 2,135,531; Nov. 8.
Oscillation generator, Crystal controlled. H. O. Peterson. 2,135,730; Nov. 8.
Oven, Drying and/or smoking. T. Berger. 2,136,124; Nov. 8.
Oven with internally heated heating walls, Coke. F. Puening. 2,135,529; Nov. 8.
Oxides, Production of alkylene. H. Dreyfus. 2,136,183; Nov. 8.
Ozocerite, Apparatus for recovering. H. R. Dickinson. 2,136,281; Nov. 8.
Ozocerite, Recovering. H. R. Dickinson. 2,136,280; Nov. 8.
Package. B. J. Goldsmith. 2,136,078; Nov. 8.
Package of material. H. F. Boeger. 2,135,790; Nov. 8.
Package of thermoplastic material, Dispensing. W. J. van Rossem. 2,136,033; Nov. 8.
Packer, Combination. L. A. Layne. 2,135,583; Nov. 8.
Packing, Air tube. H. Heil. 2,135,940; Nov. 8.
Packing device for rotary elements. E. M. Ågren. 2,135,654; Nov. 8.

Packing material. M. R. Fenske. 2,135,703; Nov. 8.
Paint and producing the same. D. L. Gamble and L. D. Grady, Jr. 2,135,936; Nov. 8.
Panels, Forming trim. A. J. Jarosik. 2,135,578; Nov. 8.
Paper fastener. E. S. Roscoe. 2,136,021; Nov. 8.
Paper for printing machines, System and apparatus for handling. R. Stuart and M. H. Loughridge. 2,135,541; Nov. 8.
Paper, Sizing. G. T. Lane and R. W. Peters. 2,136,110; Nov. 8.
Para cresol, Nitration of R. Frye and G. M. O'Neal. 2,136,187; Nov. 8.
Paraffin from mineral oils, Apparatus for extracting. H. Süss. 2,136,062; Nov. 8.
Partition assembly for freezing trays. L. W. Atchison. 2,136,226; Nov. 8.
Pattern control mechanism. G. Fisher and W. S. Tandler. 2,136,076; Nov. 8.
Pattern or recording machine, Graphic. F. J. Holley. 2,136,134; Nov. 8.
Pencil, Interchangeable lead. K. Fend. 2,136,290. Nov. 8.
Pencil, Multiple lead. H. Reusch. 2,135,845; Nov. 8.
Percolator cover. E. S. Cisco. 2,135,744; Nov. 8.
Phosphorus from impurities, Separating elemental. L. H. Almond. 2,135,486; Nov. 8.
Photengraving. J. M. Hammond. 2,136,176; Nov. 8.
Picker, Cotton. J. B. Dove. 2,136,126; Nov. 8.
Picture projecting device. C. L. Stephens. 2,135,952; Nov. 8.
Piepan. N. C. McBirney. 2,135,782; Nov. 8.
Pigeon trap. A. E. Roth. 2,135,603; Nov. 8.
Piling and stacking apparatus. C. P. Kimmel and A. K. Hamilton. 2,135,669; Nov. 8.
Pillow, mattress, and the like. J. L. Berenson. 2,136,330; Nov. 8.
Pipe and installing the same, Drainage. A. J. Parrish. 2,136,151; Nov. 8.
Pipe, cigarette tube, and the like, Tobacco. W. W. Barling. 2,135,632; Nov. 8.
Pipe cleaner. A. J. Schwister. 2,135,679; Nov. 8.
Pipe system. E. G. Ritchie. 2,135,770; Nov. 8.
Piperazine, Preparation of. A. L. Wilson. 2,136,094; Nov. 8.
Pistol, Automatic. F. Walther and F. Barthelmes. 2,135,992; Nov. 8.
Pitch into a fragmentary, transportable form, Converting liquid. K. Fehr, E. Heinemann, and W. Schneider. 2,136,208; Nov. 8.
Plants, Nourishing. A. D. Beyer. 2,135,998; Nov. 8.
Plate for contacting gases and liquids, Bubble. H. Kühni. 2,136,139; Nov. 8.
Plug: *See*—
Attachment plug. Spark plug.
Contact plug.
Plumb bob, Automatic. E. S. Bush. 2,136,072; Nov. 8.
Poles and the like, Apparatus for preserving. G. D. Graban. 2,135,974; Nov. 8.
Polymeric compounds, Producing. R. D. Snow. 2,136,028; Nov. 8.
Polysulphide solutions suitable for injection, Production of durable. V. Klopfer. 2,135,642; Nov. 8.
Post hole forming machine. A. Dukelow. 2,135,970; Nov. 8.
Powder, Blasting. L. S. Byers. 2,136,205; Nov. 8.
Power transmission. R. E. Millican. 2,135,908; Nov. 8.
Press: *See*—
Drawing press. Fluid pressure press.
Pressing machine, Shirt gusset. J. Faber, Jr. 2,135,614; Nov. 8.
Pressure testing, Apparatus for. H. W. Landenberger. 2,135,721; Nov. 8.
Printing composition and manufacture. W. J. Koenig. 2,136,108; Nov. 8.
Printing plate. A. C. Hardy. 2,136,340; Nov. 8.
Projecting mechanism. W. G. H. Finch. 2,136,209; Nov. 8.
Puller: *See*—
Gear puller.
Pump: *See*—
Compressor pump. Rayon spinning pump.
Pyrazole-Anthrones and making same. H. Hauser and M. Bommer. 2,136,133; Nov. 8.
Rack: *See*—
Greasing rack. Roll rack.
Music rack.
Rack. C. D. Carter. 2,136,179; Nov. 8.
Rack. L. J. Devney. 2,135,565; Nov. 8.
Radio antenna. H. A. MacFarlane. 2,136,305; Nov. 8.
Rail bonds, Installation of. H. H. Febrey. 2,135,888; Nov. 8.
Rail, Chassis side. E. Almdale. 2,136,122; Nov. 8.
Rail fastening device, Track. A. H. Whisler. 2,135,954; Nov. 8.
Railway track circuit. O. S. Field. 2,135,498–9; Nov. 8.
Ram, Packing. W. Ernst. 2,136,239; Nov. 8.
Rayon-spinning pump. I. Meurling. 2,136,142; Nov. 8.
Reamer, Abrading. J. Disco. 2,135,884; Nov. 8.
Reamer, Cylinder ridge. H. A. Berkman. 2,136,359; Nov. 8.
Receptacle filler for ice cream. C. F. Weinreich. 2,136,224; Nov. 8.
Receptacles and the like, Method of and apparatus for producing. K. H. Miller. 2,136,308; Nov. 8.
Receptacles, Mechanism for discharging contents of. A. Davis, Jr. 2,135,868; Nov. 8.
Recording apparatus. J. W. Miles. 2,135,944; Nov. 8.
Records of counting mechanism before and after use, Making photographic. E. S. Hineline. 2,136,262; Nov. 8.
Reel: *See*—
Clothesline reel.
Reeling device. H. C. Ralston, T. D. Williams, and F. Mako. 2,135,913; Nov. 8.
Reflectors, Making metal. F. L. Jones and R. J. Kirschmaier. 2,135,873; Nov. 8.
Refractory, Cellular insulating. R. C. Benner and H. N. Baumann, Jr. 2,136,096; Nov. 8.
Refrigerating apparatus. L. H. Browne. 2,136,097; Nov. 8.
Refrigerating apparatus. H. B. Hull and A. A. McCormack. 2,135,515; Nov. 8.
Refrigerating apparatus. L. A. Philipp. 2,136,316; Nov. 8.
Refrigerating apparatus. C. J. Sekyra, Sr. 2,135,878; Nov. 8.
Refrigerating method and apparatus. A. H. Bromann, Jr. 2,136,232; Nov. 8.
Refrigeration, Apparatus for. S. Morse. 2,135,875; Nov. 8.
Refrigerator. J. H. Miner. 2,136,145; Nov. 8.
Refrigerator. R. H. Starr. 2,136,222; Nov. 8.
Register. J. A. Germonprez. 2,135,810; Nov. 8.
Register, Autographic. C. Miller. 2,135,588; Nov. 8.
Regulating device. B. M. Leece. 2,135,977; Nov. 8.
Regulator: *See*—
Traffic regulator. Viscosity regulator.
Relay. E. O. Blodgett. 2,135,490; Nov. 8.
Relay circuit. H. Nyquist. 2,135,596; Nov. 8.
Resinous compositions. M. M. Safford. 2,136,253; Nov. 8.
Resistance device, Variable. L. W. Thompson. 2,136,257; Nov. 8.
Rim structure, Wheel and tire. W. S. Brink. 2,135,482; Nov. 8.
Ring: *See*—
Finger ring.
Rod: *See*—
Conduit rod.
Rod shaped bodies, Apparatus for feeding. F. Werner. 2,135,777; Nov. 8.
Roll rack. C. H. Smith. 2,135,540; Nov. 8.
Roll type drier. A. O. Hurxthal. 2,135,516; Nov. 8.
Roller coaster, Whipping. A. Pfau. 2,136,019; Nov. 8.
Rotary engine. A. L. Walters and H. H. Hendrick. 2,136,066; Nov. 8.
Rotary furnace. G. F. Blasier. 2,135,934; Nov. 8.
Rotary meter. A. J. Saarinen. 2,135,644; Nov. 8.
Rubber, and product, Preserving. H. I. Cramer. 2,136,335; Nov. 8.
Rubber hydrohalides, Pigmented. J. B. Holden. 2,136,342; Nov. 8.
Rubber vulcanization. A. M. Clifford. 2,136,332; Nov. 8.
Sand mulling and aerating machine. W. H. Nicholls. 2,135,762; Nov. 8.
Sausage and preparing same. L. M. Kern. 2,136,106; Nov. 8.
Saw set. D. E. Gommel. 2,135,891; Nov. 8.
Saw set device. D. S. Forester. 2,136,291; Nov. 8.
Scoring apparatus. H. Thorne. 2,135,649; Nov. 8.
Scraper. J. P. Heil. 2,136,102; Nov. 8.
Scraper, Wagon. W. J. Adams. 2,136,203; Nov. 8.
Screen for stereoscopic projections, Colored. L. Lumière. 2,136,303; Nov. 8.
Seals, Method and apparatus for lapping. H. W. Avery. 2,136,036; Nov. 8.
Seat construction. F. O. Church. 2,135,657; Nov. 8.
Self-energizing clutch. B. A. Swennes. 2,136,063; Nov. 8.
Separator: *See*—
Centrifugal separator.
Servo mechanism, Mechanical. F. S. Hodgman. 2,136,213; Nov. 8.
Set screw. H. F. Gade. 2,135,637; Nov. 8.
Sewing machines, Blind-stitching attachment for. P. Boguhn. 2,136,164; Nov. 8.
Sewing machines, Throat plate for. F. Ebert. 2,136,288; Nov. 8.
Shade, Window. W. M. Streby. 2,135,647; Nov. 8.
Shaft coupling. J. K. Byrom. 2,135,634; Nov. 8.
Shaker and the like, Salt and pepper. P. F. Sandstrom. 2,135,848; Nov. 8.
Shale and other waste bituminous shales in the manufacture of cementitious products, Utilization of colliery. N. V. S. Knibbs and A. P. Pehrson. 2,135,542; Nov. 8.
Shank stiffener. J. P. Quirk. 2,135,844; Nov. 8.
Shearing or cutting tool. K. G. Östberg. 2,135,911; Nov. 8.
Sheaths from geological formations, Removing mud. L. T. Monson. 2,135,909; Nov. 8.
Sheaths or other conducting pipe, Apparatus for determining and recording the eccentricity of lead. J. H. Palmer. 2,135,675; Nov. 8.
Sheets, Development of exposed blueprint. W. M. Hinman. 2,135,872; Nov. 8.
Shield. A. B. Clancy. 2,136,039; Nov. 8.
Shield, Insulator. P. J. Bott. 2,135,558; Nov. 8.

Shifting mechanism, Electrically operated. A. M. Diez and T. N. May. 2,136,284; Nov. 8.
Shingle, Joiner. B. G. Goslin. 2,135,811; Nov. 8.
Shirt. M. W. Grigsby. 2,135,502; Nov. 8.
Shirt board. E. F. Cons. 2,135,798; Nov. 8.
Shock absorber. A. Gullo. 2,135,749; Nov. 8.
Shoe. A. Perugia. 2,136,084; Nov. 8.
Shoe machine. W. T. B. Roberts. 2,135,677; Nov. 8.
Shoe, Orthopedic. N. Hack. 2,135,504; Nov. 8.
Shoe structure. J. Scacco. 2,135,849; Nov. 8.
Shoes and shoe bottom units, Manufacture of. C. Roberts. 2,135,676; Nov. 8.
Shutter assemblage for motion picture apparatus, Interchangeable. R. W. Wengel. 2,135,993; Nov. 8.
Shutter, Ventilated awning. S. A. Jones. 2,136,012; Nov. 8.
Sign: *See*—
Illuminated sign.
Sign elements, Making. J. Cooke. 2,136,180; Nov. 8.
Signal: *See*—
Direction signal. Traffic signal.
Directional signal.
Signal and lighting system, Traffic. L. J. Jennings. 2,136,191; Nov. 8.
Signal receiving apparatus. G. L. Beers. 2,135,557; Nov. 8.
Signaling lamp. O. M. C. Marischal. 2,135,826; Nov. 8.
Signaling system for railroads. O. S. Field. 2,135,496; Nov. 8.
Sinker, Fishline. J. Rosenquist. 2,135,847; Nov. 8.
Skate, Roller. D. A. McCloy. 2,136,306; Nov. 8.
Skein-forming device. J. P. Shorrock. 2,136,025; Nov. 8.
Ski bindings, Adjusting and fixing device on. W. Honegger. 2,135,895; Nov. 8.
Slat assembling device. W. D. Lawshe. 2,135,755; Nov. 8.
Slicing machine. G. A. Schmitt. 2,136,319; Nov. 8.
Slide rule fastener. A. W. Keuffel. 2,136,169; Nov. 8.
Snap hook. F. L. Roof. 2,135,771; Nov. 8.
Soap, Making. H. R. Dickinson and H. H. Moreton. 2,136,283; Nov. 8.
Soapy solutions, Apparatus for producing and dispensing. J. G. Donaldson. 2,135,969; Nov. 8.
Socket, Electric. J. M. Roper. 2,135,534; Nov. 8.
Sodium carbonate, Separation of. J. S. Stevenson. 2,135,605; Nov. 8.
Sofa bed. R. W. Schwab, Jr., and W. P. Rocker. 2,136,320; Nov. 8.
Soldering iron. M. R. Oleson. 2,135,764; Nov. 8.
Solderless connecter. C. L. Peirce, Jr. 2,135,623; Nov. 8.
Sole, Flexible. F. R. Merritt. 2,135,725; Nov. 8.
Sound propagating device. A. Pfister. 2,135,840; Nov. 8.
Spacer for hair curlers. M. W. Pitner. 2,136,196; Nov. 8.
Spark plug. T. Dukelow. 2,136,206; Nov. 8.
Spark plug. H. Rabezzana. 2,135,624; Nov. 8.
Spindle, High speed. L. J. Jordan and C. C. Walters. 2,135,519; Nov. 8.
Spinneret. R. V. Williams and E. R. McKee. 2,135,611; Nov. 8.
Spooling machine. O. I. Judelshon. 2,135,668; Nov. 8.
Spray eliminator. S. C. Coey. 2,136,003; Nov. 8.
Spray head. O. W. Holden. 2,136,050; Nov. 8.
Spring suspension. J. L. Gonard. 2,136,294; Nov. 8.
Stabilizer for track type tractors. E. A. Johnston. 2,135,619; Nov. 8.
Stable preparations of aromatic compounds containing active halogen. F.-A. Steingroever and O. J. Boser. 2,136,173; Nov. 8.
Stair tread. W. S. Pattison. 2,135,837; Nov. 8.
Starter, Engine. J. W. Fitz Gerald. 2,136,046; Nov. 8.
Starting mechanism, Automatic. L. K. Loehr and W. E. Burdick. 2,135,620; Nov. 8.
Steam jet. R. G. Lundy. 2,136,304; Nov. 8.
Stereophotogrammetric plotting apparatus. W. Kern. 2,136,081; Nov. 8.
Stoker. G. A. Stephens. 2,135,682; Nov. 8.
Stoker, Furnace. J. S. Bennett. 2,135,697–8; Nov. 8.
Stool, Foldable. A. P. Welsh. 2,136,354; Nov. 8.
Stop for take-up blocks, Automatic. E. F. Schuman. 2,135,916; Nov. 8.
Storage tank. B. P. McDaniel and H. E. Gingrich. 2,135,724; Nov. 8.
Stowing and presenting for access of such articles as typewriters, sewing machines, or other apparatus, Ready. A. M. Coleman, C. C. Bater and G. A. Lee. 2,136,275; Nov. 8.
Strapping machine. H. J. Taplin. 2,135,920; Nov. 8.
Strip feeding and fabricating movements, Method and apparatus for synchronizing. E. H. Hall. 2,136,210; Nov. 8.
Sulphonamides, Aryl mercury. C. B. Andersen. 2,135,553; Nov. 8.
Support: *See*—
Aerial cable support. Furniture support.
Deck lid support. Hose support.
Support for milking machines. H. B. Babson and J. J. Stampen. 2,136,228; Nov. 8.
Supporting and elevating means for overhead units. P. A. Scanlon. 2,136,255; Nov. 8.
Surfacing plate. V. G. Hecht. 2,135,815; Nov. 8.
Swatter, Fly. P. J. Brownson. 2,136,233; Nov. 8.
Sweater. N. Neuman. 2,135,727; Nov. 8.
Switch: *See*—
Control switch.
Switch assembly, Rotary. W. Trautner. 2,135,958; Nov. 8.
Switch mechanism, Combination. E. Michel. 2,136,307; Nov. 8.
Synchronous receiving system. W. A. Knoop. 2,135,581; Nov. 8.
Table: *See*—
Extensible table.
Tank: *See*—
Storage tank.
Tank and general delivery body, Combination semitrailer. E. H. Gill. 2,135,573; Nov. 8.
Target. W. E. Yocum. 2,135,549; Nov. 8.
Target device. E. C. Johnson. 2,135,667; Nov. 8.
Teeth generating machine. E. Reinecker. 2,136,266; Nov. 8.
Telephone instrument circuit. G. W. Sutton and W. H. Grinsted. 2,136,345; Nov. 8.
Telephone system. C. E. Lomax. 2,135,822; Nov. 8.
Telephone system. J. H. Voss. 2,135,862; Nov. 8.
Telephone system, Automatic. N. H. Saunders and R. R. Fowler. 2,135,921; Nov. 8.
Telescope mounting for guns. D. E. Tilden. 2,135,774; Nov. 8.
Television distribution. P. J. Herbst. 2,135,577; Nov. 8.
Temperature control for paper mills and the like. H. J. Smith. 2,135,627; Nov. 8.
Temperature control mechanism. R. H. J. Starsmeare. 2,135,858; Nov. 8.
Temperature control system. H. R. Crago. 2,136,235; Nov. 8.
Temperatures, Measuring. J. Miller. 2,136,055; Nov. 8.
Tension testing machine. M. L. Kochheiser and S. A. Steere. 2,136,344; Nov. 8.
Tent frame. E. P. Chenoweth. 2,135,961; Nov. 8.
Terpene ethers, Preparation of. I. H. Humphrey. 2,136,011; Nov. 8.
Textile machine. W. S. Tandler and G. Fisher. 2,136,064; Nov. 8.
Textile machine. W. S. Tandler and G. Fisher. 2,136,090; Nov. 8.
Thermocouple well. A. Krieg. 2,135,720; Nov. 8.
Thermostat assemblies, Evacuating. L. M. Persons. 2,135,839; Nov. 8.
Ticket printing and issuing machine for totalizators. J. Handley. 2,135,574; Nov. 8.
Tie and clamp means for concrete forms. J. J. Hills. 2,135,509; Nov. 8.
Time and remote control system. C. W. Nessell. 2,135,991; Nov. 8.
Tire handling device, Automobile. T. Dinkins. 2,135,802; Nov. 8.
Tire valve. A. Engel. 2,135,869; Nov. 8.
Tires, Device for indicating deflation of pneumatic. P. M. Bourdon. 2,136,038; Nov. 8.
Tool: *See*—
Grinding tool. Oil well tool.
Lubricating threading tool. Sheathing or cutting tool.
Tool and holder, Adjustable chamfering. P. T. Klix. 2,135,819; Nov. 8.
Tool forging method. P. H. Nast. 2,136,083; Nov. 8.
Tool holder. L. Gulfelt. 2,136,190; Nov. 8.
Tool holder. T. B. Tiefenbacher. 2,136,091; Nov. 8.
Top, Vehicle. A. E. Northup. 2,135,595; Nov. 8.
Torsion indicator. A. A. Thomas. 2,136,223; Nov. 8.
Toy. E. M. Gatz and H. A. Weller. 2,136,189; Nov. 8.
Toy airplane. E. A. Witte. 2,136,067; Nov. 8.
Toy fire house. R. Lohr. 2,135,584; Nov. 8.
Toy imitating a calculating horse, Mechanical. C. Arnold. 2,135,783; Nov. 8.
Toy, Mechanical. M. Schmid. 2,135,850; Nov. 8.
Toy, Mechanical whirlwind. H. Stuve. 2,135,606; Nov. 8.
Track circuit, Railway. W. T. Powell. 2,135,527; Nov. 8.
Traffic regulator, Automatic variable. R. O. Nelson. 2,135,525; Nov. 8.
Traffic signal. M. Sieveking. 2,135,851; Nov. 8.
Trailer. A. L. Stahl. 2,135,857; Nov. 8.
Trailer, Dump truck. F. A. Grounds. 2,135,871; Nov. 8.
Train control system for railroads. W. K. Howe. 2,135,514; Nov. 8.
Transmission, Automatic. F. W. Seybold. 2,135,917; Nov. 8.
Transmission, Automotive. A. H. Jessen. 2,136,104; Nov. 8.
Transmission line, Loaded. E. K. Van Tassell. 2,135,609; Nov. 8.
Transmission mechanism. E. Hering. 2,136,049; Nov. 8.
Trap: *See*—
Pigeon trap.
Trap and mounting therefor. J. D. Altemus. 2,136,034; Nov. 8.
Trap mounting. J. D. Altemus and A. W. R. J. Moeller. 2,136,035; Nov. 8.
Tray, Letter. T. Hearn and G. S. McKee. 2,135,814; Nov. 8.
Tripod mounting. D. A. Chambers. 2,135,797; Nov. 8.
Truck. A. H. Oelkers. 2,135,728; Nov. 8.
Trussed apparatus. C. H. Hunsaker. 2,135,818; Nov. 8.
Tube and making the same, Collapsible. H. S. Gish. 2,136,007; Nov. 8.
Tubing, Making flexible. H. W. Webb. 2,135,651; Nov. 8.

Tubing, Method of and apparatus for bending vitreous. W. R. Walker. 2,135,775; Nov. 8.
Tubs, Making. C. J. Rodman. 2,135,877; Nov. 8.
Turntable. P. W. Toews. 2,135,924; Nov. 8.
Turret centering and locking mechanism. W. R. Gorham. 2,135,639; Nov. 8.
2,3,6-triamino-pyridine and making it. M. Engelmann. 2,136,044; Nov. 8.
Typewriting machine. J. L. Petz. 2,135,948; Nov. 8.
Typographical composing machine. F. C. Frolander. 2,135,748; Nov. 8.
Upholstery construction. A. M. Bank. 2,135,535; Nov. 8.
Vaccine and preparing the same, Distemper. R. G. Green. 2,136,131; Nov. 8.
Vacuum breaker. C. J. Kohler. 2,135,582; Nov. 8.
Vacuum cleaner. D. M. Dow. 2,135,885; Nov. 8.
Vacuum cleaner. H. A. Kroenlein. 2,136,247; Nov. 8.
Vacuum cleaner. P. E. Page. 2,136,312; Nov. 18.
Vacuum cleaner. L. B. Voorhees. 2,135,927; Nov. 8.
Vacuum cleaner. N. H. Watts. 2,136,268; Nov. 8.
Valve: *See*—
Drain valve. Flush valve.
Engine valve. Tire valve.
Valve. C. H. Krause. 2,135,670; Nov. 8.
Valve control means for internal combustion engines, Throttle. F. J. Hansen. 2,136,295; Nov. 8.
Valve converting apparatus, Electric. J. Augier and B. G. Laurent. 2,136,227; Nov. 8.
Valve device, Pressure-reducing. E. Tyden. 2,136,120; Nov. 8.
Valve lock. J. F. Martin. 2,136,216; Nov. 8.
Valve refacing device. G. R. Gagné and L. Spraker. 2,136,188; Nov. 8.
Valve stem for inflatable articles, Rubber. T. J. Ellis. 2,135,569; Nov. 8.
Valve stems, Manufacturing rubber. T. J. Ellis. 2,135,570; Nov. 8.
Vaporizer, Electric. J. Robinson. 2,135,535; Nov. 8.
Vaporizer, Ether. J. A. Heidbrink. 2,136,245; Nov. 8.
Vault, Burial. W. C. Broughton. 2,135,559; Nov. 8.
Vehicle: *See*—
Automotive vehicle. Motor vehicle.
Vehicle. J. Kuchar. 2,135,820; Nov. 8.
Vehicle body. L. Gorlenko. 2,136,130; Nov. 8.
Vehicle wheel. W. S. Brink. 2,135,481; Nov. 8.
Vehicle wheel. R. S. Kellogg. 2,136,137; Nov. 8.
Vending machine. O. W. Stone. 2,136,089; Nov. 8.
Viscosity in evaporated milk, Controlling. C. O. Ball. 2,135,489; Nov. 8.
Viscosity regulator. H. B. Clarke. 2,136,040; Nov. 8.
Volt-ampere-hour meter. W. H. Pratt. 2,136,251; Nov. 8.
Volume control circuit, Automatic. H. O. Peterson. 2,135,599; Nov. 8.
Volume control circuit, Delayed automatic. W. L. Carlson. 2,135,560; Nov. 8.
Volume control device for radio receiving sets, Remote. H. K. Todd. 2,135,738–9; Nov. 8.
Wall structure and block, Glass melting tank. H. A. Wadman. 2,136,346; Nov. 8.
Wallet and card holder, Combined expanding. M. Winokar. 2,135,865; Nov. 8.
Washing machine. C. A. Moore. 2,136,056; Nov. 8.
Washing machine. F. H. Wells. 2,135,685; Nov. 8.
Wastebasket. J. A. Hartman. 2,135,813; Nov. 8.
Water transfer system, Underground. F. E. Taysen. 2,135,860; Nov. 8.
Wave form generator, Serrated. R. Urtel. 2,135,740; Nov. 8.
Wave system, Ultra short. R. M. Morris and C. P. Sweeney. 2,135,672; Nov. 8.
Waxes, Treating. H. R. Dickinson. 2,136,282; Nov. 8.
Weather strip and sash holder. P. Delich. 2,135,564; Nov. 8.
Web assembling means for printing presses. E. W. Dean. 2,136,277–8; Nov. 8.
Web supply mechanism for printing machines. A. J. Horton. 2,135,975; Nov. 8.
Wheel: *See*—
Automobile spring wheel. Vehicle wheel.
Wheel construction. G. A. Lyon. 2,135,758; Nov. 8.
Wheel disk construction. G. A. Lyon. 2,135,757; Nov. 8.
Window construction, Rotatable. O. M. Edwards. 2,136,289; Nov. 8.
Window frame structure and forming the same, Sheet metal. E. F. Chaffee and J. R. Anderson. 2,136,273; Nov. 8.
Window framing. H. J. Sharp. 2,135,680; Nov. 8.
Windshield lifting device. C. H. H. Rodanet. 2,135,951; Nov. 8.
Wing for aircraft, Autorotative. J. de la Cierva. 2,135,700; Nov. 8.
Wings, surfaces, and fuselages for aircraft, Construction of. G. E. Petty. 2,136,265; Nov. 8.
Wiper, Mouthpiece. H. T. Sundstrom. 2,135,683; Nov. 8.
Wire and making same, Tire. F. C. Elder. 2,135,886; Nov. 8.
Wire coiling machine. A. M. Olgay. 2,135,729; Nov. 8.
Wire drawing apparatus. N. Elfström. 2,135,659; Nov. 8.
Wire, Flexible. V. D. Davignon. 2,135,800; Nov. 8.
Wireless and like receiver. W. H. Connell. 2,135,561; Nov. 8.
Wood and the like, Apparatus for impregnating. C. P. and R. G. Booty. 2,135,491; Nov. 8.
Wool, Blowing mineral. F. C. Thomas. 2,136,158; Nov. 8.
X-ray apparatus, Integrating. W. W Mowry. 2,136,116; Nov. 8.
Yarn feeding means for knitting machines. R. H. Lawson, I. H. C. Green, and W. L. Smith, Jr. 2,135,756; Nov. 8.

CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 8, 1938

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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308— 36.2: 2,135,654
312— 27: 2,136,275
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U. S. GOVERNMENT PRINTING OFFICE: 1936

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Acme Wire Company, The, New Haven, Conn. Insulated electric wire. Serial Nos. 410,125–7; Nov. 15. Class 21.

Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Hosiery. Serial No. 408,683; Nov. 15. Class 39.

American Arch Company, Inc., New York, N. Y. Water circulators. Serial No. 403,931; Nov. 15. Class 34.

American Loose Leaf Corporation, New York, N. Y. Looseleaf binder posts. Serial No. 409,671; Nov. 15. Class 37.

Anderson, Enfred W., Norway, Mich. Printed forms. Serial No. 409,954; Nov. 15. Class 37.

Arkwright Finishing Company, Providence, R. I. Tracing cloth. Serial No. 408,147; Nov. 15. Class 37.

Arnold, Schwinn & Co., Chicago, Ill. Bicycles. Serial No. 410,384; Nov. 15. Class 19.

Atlas Supply Company, Newark, N. J. Automobile anti-freeze compound. Serial No. 410,015; Nov. 15. Class 6.

Austin, M. B., Company, The, Chicago, Ill. Cast conduit outlet boxes and electrical fittings. Serial No. 410,623; Nov. 15. Class 21.

Barabash, Thomas, doing business as Kasha a la King Food Products Company, Chicago, Ill. Cereal breakfast food. Serial No. 408,183; Nov. 15. Class 46.

Barclay, Jas., & Co., Limited, Detroit, Mich., and Peoria, Ill. Whiskey. Serial No. 410,164; Nov. 15. Class 49.

Behr-Manning Corporation, Troy, N. Y. Coated abrasives. Serial No. 410,825; Nov. 15. Class 4.

Beich, Paul F., Company, Bloomington, Ill. Candy. Serial No. 410,246; Nov. 15. Class 46.

Belmont Radio Corporation, Chicago, Ill. Radio receiving sets. Serial No. 398,307; Nov. 15. Class 21.

Benson & Rixon Company, Chicago, Ill. Overcoats and top coats. Serial No. 409,639; Nov. 15. Class 39.

Bentz, Felix J., Athol, Mass. Laxatives. Serial No. 410,283; Nov. 15. Class 6.

Bischoff, Ernst, Company, Incorporated, Ivoryton, Conn. Diagnostic preparation for the determination of pregnancy. Serial No. 411,091; Nov. 15. Class 6.

Blackett-Sample-Hummert, Inc., Chicago, Ill. Scripts for a series of commercial radio broadcasts. Serial No. 384,247; Nov. 15. Class 38.

Blue Ribbon Flower Holder Company. (See Sinclair, Ida M.)

Bolser Corporation, The, Cedar Falls, Iowa. Electric clearance lights, marker lights, direction lights, etc. Serial No. 397,701; Nov. 15. Class 21.

Bon Marche, The. (See Allied Stores Corporation.)

Borden Company, The, New York, N. Y. Cheese. Serial No. 408,260; Nov. 15. Class 46.

Boston Woven Hose and Rubber Company, Cambridge, Mass. Harness strapping or heddle straps for looms. Serial No. 409,258; Nov. 15. Class 23.

Bright Biscuit Company, Inc., Kansas City, Kans. Soda crackers. Serial No. 411,082; Nov. 15. Class 46.

Bristol-Myers Company, New York, N. Y. Toothbrushes. Serial No. 411,117; Nov. 15. Class 29.

Brown, David, & Sons (Huddersfield) Limited, Huddersfield, England. Toothed gear wheels, single-stage worm gear units, etc. Serial No. 404,466; Nov. 15. Class 23.

Brown Medal Co. (See Nordback, Ivar.)

Bunte Brothers, Chicago, Ill. Candy. Serial No. 410,946; Nov. 15. Class 46.

Busch, David C. (See Siegel, William, assignor.)

Cabana Beach Wear Company. (See Rivkin, Isaac.)

California Ink Company, Inc., The, San Francisco, Calif. Ink. Serial No. 410,768; Nov. 15. Class 11.

Campana Corporation, Batavia, Ill. Cleansing pads impregnated with an astringent. Serial No. 406,914; Nov. 15. Class 6.

Cappellino, Francesco, & Sons, Rochester, N. Y.- Salad oil. Serial No. 410,580; Nov. 15. Class 46.

Carnation Bakery. (See Kmetz, George H.)

Carolina Coffee Company, Charleston, S. C. Coffee. Serial No. 411,084; Nov. 15. Class 46.

Chemco Photoproducts Company, Glen Cove, N. Y. Photographic and photo-engraving product. Serial No. 410,215; Nov. 15. Class 26.

Chicago Metal Hose Corporation, Maywood, Ill. Metal conduits, metal piping, metal hose, etc. Serial No. 402,248; Nov. 15. Class 13.

Chicago Musical Instrument Company, Chicago, Ill. Wind instruments. Serial No. 410,636; Nov. 15. Class 26.

Chittenden, Turner & Company, Inc., Boston, Mass. Preparations made from marine or fresh water vegetable growths, in powder or flake form, for use as a colloidal thickener or stabilizer in food products. Serial No. 410,252; Nov. 15. Class 46.

Clarence-Maus Mop Company. (See Maus, Clarence.)

Cohen, Joseph H., & Sons, Vanity Clothes, Inc., New York, N. Y. Men's clothing. Serial No. 409,958; Nov. 15. Class 39.

Collectaguide Co., The, New York, N. Y. Looseleaf sheets or pamphlets. Serial No. 409,189; Nov. 15. Class 38.

Columbia Skirt Co. (See Schneider, Marks.)

Comey, R. H., Brooklyn Company, Inc., Brooklyn, N. Y. Hats and hat bodies. Serial No. 401,985; Nov. 15. Class 39.

Comey, R. H., Brooklyn Company, Inc., Brooklyn, N. Y. Hats and hat bodies. Serial No. 406,120; Nov. 15. Class 39.

Communication Development Corp., New York, N. Y. Radio transmitters, receivers. Serial No. 402,058; Nov. 15. Class 21.

Dairy Products Co. (See Staff, Myer.)

Dawson Hat Corporation, New York, N. Y. Ladies' hats. Serial No. 410,023; Nov. 15. Class 39.

Diamond State Brewery, Inc., Wilmington, Del. Beer. Serial No. 400,832; Nov. 15. Class 48.

D'Orsay Perfumeries Corporation, New York, N. Y. Perfumes, perfume extracts, toilet waters, etc. Serial No. 410,583; Nov. 15. Class 6.

Dressmaker Fabrics-David Custage, Inc., New York, N. Y. Piece goods. Serial No. 404,888; Nov. 15. Class 42.

Electro-Technical Products, Inc., Nutley, N. J. Oiled silk for shower bath and window curtains. Serial Nos. 410,175–6; Nov. 15. Class 50.

Emerson, Josephine C., Los Angeles, Calif. Sports apparel. Serial No. 409,871; Nov. 15. Class 39.

Endo Products, Inc., New York, N. Y. Preparation used as a laxative combined with the vitamin B complex. Serial Nos. 409,951–2; Nov. 15. Class 6.

Fabric Products Manufacturing Co., Chicago, Ill. Covers for bowls, bottles, etc. of oiled silk. Serial No. 408,879; Nov. 15. Class 50.

Fidell, Belle R., doing business as B. Fidell, New York, N. Y. Cigarettes. Serial No. 410,942; Nov. 15. Class 17.

Fink-Roselieve Co., Inc., New York, N. Y. Photographic preparations and chemicals. Serial No. 410,647; Nov. 15. Class 6.

Florida Favorite Fertilizer Co., Lakeland, Fla. Fertilizer. Serial No. 409,967; Nov. 15. Class 10.

Forrest Laboratories, Inc., New York, N. Y. Laxative. Serial No. 410,025; Nov. 15. Class 6.

Fosgood Corporation, Leominster, Mass. Combs. Serial No. 410,136; Nov. 15. Class 40.

Foundry Equipment Company, The, Cleveland, Ohio. Industrial ovens. Serial No. 408,019; Nov. 15. Class 34.

France, Josiah, Limited, Huddersfield, England. Worsted fabrics. Serial No. 409,466; Nov. 15. Class 42.

Frank, J., & Sons, Philadelphia, Pa. Beverages, and syrups, extracts, and flavors used in making the same. Serial No. 410,463; Nov. 15. Class 45.

Freedman Brothers, New York, N. Y. Children's overalls, leggings, ski suits, and rugby suits. Serial No. 410,177; Nov. 15. Class 39.

Gardner-Richardson Company, The, Middletown, Ohio. Paper boxes, cartons, and containers. Serial No. 410,785; Nov. 15. Class 2.

Glaser, Fred, doing business as Glaser's Provisions, Omaha, Nebr. Meats. Serial No. 403,254; Nov. 15. Class 46.

Gloeb, Elizabeth C., doing business as Railroader Publishing Co., Omaha, Nebr. Magazine. Serial No. 407,293; Nov. 15. Class 38.

Goldsmith Bros., New York, N. Y. Absorbent cotton and sanitary applicators. Serial No. 410,992; Nov. 15. Class 44.

Goldsmith Bros., New York, N. Y. Cleansing and facial tissues. Serial No. 410,993; Nov. 15. Class 37.

Goldstein, Hiram, doing business as Utility Products Company, Buffalo, N. Y. Rug and upholstery cleaner. Serial No. 410,994; Nov. 15. Class 4.

Gooding Seed Company, Gooding, Idaho. Alfalfa seeds, clover seeds, and grass seeds. Serial No. 410,028; Nov. 15. Class 1.

Goodyear Tire & Rubber Company, Inc., The, Wilmington, Del., and Akron, Ohio. Bicycles. Serial No. 400,413; Nov. 15. Class 19.

Harris, Roy L., doing business as R. L. Harris Company, Omaha, Nebr. Preparation for use in treating intestinal derangements, poultry conditioner, etc. Serial No. 408,161; Nov. 15. Class 6.

Heald Machine Company, The, Worcester, Mass. Tool heads of machines. Serial No. 402,475; Nov. 15. Class 23.

Heatbath Corporation, The, Indian Orchard, Mass. Salt compositions. Serial No. 408,500; Nov. 15. Class 6.

Hoffman, M., Coats, Inc., New York, N. Y. Ladies' coats and suits. Serial No. 407,754; Nov. 15. Class 39.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Homestead Valve Manufacturing Company, Coraopolis and Moon Township, Allegheny County, Pa. Apparatus to be used as an accessory of an automobile to warn, signal, or indicate to the operator that the automobile has reached any predetermined and chosen speed. Serial No. 406,132; Nov. 15. Class 26.

Hood Rubber Company, Inc., Wilmington, Del., and Watertown, Mass. Rubber gloves. Serial No. 409,095; Nov. 15. Class 39.

House of Tre-Jur, Inc., New York, N. Y. Face powder in compact form. Serial No. 410,079; Nov. 15. Class 6.

Hunter Packing Company, East St. Louis, Ill. Dog food, potted meats, and Vienna sausage. Serial No. 402,188; Nov. 15. Class 46.

Hurzeler, Alphons, New York, N. Y. Clothing. Serial No. 410,226; Nov. 15. Class 39.

I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Liver preparation. Serial No. 410,789; Nov. 15. Class 6.

I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Synthetic preparation against malaria. Serial No. 410,790; Nov. 15. Class 6.

International Radio Corporation, Ann Arbor, Mich. Film and photographic paper. Serial No. 407,078; Nov. 15. Class 26.

International Radio Corporation, Ann Arbor, Mich. Cameras, enlargers, projectors, etc. Serial No. 408,315; Nov. 15. Class 26.

Jermyn, Irwin R., Asheville, N. C. Spaghetti sauce. Serial No. 409,922; Nov. 15. Class 46.

Kasha a la King Food Products Company. (See Barabash, Thomas.)

Kayser, Julius, & Co., New York, N. Y. Girdles. Serial No. 410,399; Nov. 15. Class 39.

Kemco Products Company, Kokomo, Ind. Canned fruit juices and canned soups. Serial No. 404,532; Nov. 15. Class 46.

Kmetz, George H., doing business as Carnation Bakery and Carnation Pastry Shoppe, East Chicago, Ind. Bread, rolls, doughnuts, etc. Serial No. 409,042; Nov. 15. Class 46.

Kress, S. H., and Company, New York, N. Y. Paper towels. Serial No. 411,032; Nov. 15. Class 37.

Kreutzig, Elsa, Jersey City, N. J. Automatic machine for ejecting sanitary tissue sheet covers on toilet seats. Serial No. 408,886; Nov. 15. Class 23.

Lambiotte, Oscar J., Mishawaka, Ind. Tokens for use in connection with a business stimulating system. Serial No. 407,951; Nov. 15. Class 50.

Lamm Brothers, Incorporated, Baltimore, Md. Sport coats, suits, topcoats, etc. Serial No. 410,229; Nov. 15. Class 39.

Larus & Brother Company, doing business as Reed Tobacco Company, Branch Larus & Brother Company, Richmond, Va. Cigarettes. Serial No. 401,697; Nov. 15. Class 17.

Lentheric, Incorporated, New York, N. Y. Perfumes and cosmetic creams. Serial No. 410,111; Nov. 15. Class 6.

Levay, Joseph, Inc., New York, N. Y. Dresses, ensembles, skirts, etc. Serial No. 408,849; Nov. 15. Class 39.

Lindström, Carl, Aktiengesellschaft, Berlin, Germany. Phonographs and parts thereof, needles for talking machines, records, etc. Serial No. 407,811; Nov. 15. Class 36.

Lochinvar Corporation, Detroit, Mich. Oil burning air conditioning furnaces. Serial No. 400,379; Nov. 15. Class 34.

Loma Linda Food Company, Loma Linda, Calif. Cereal breakfast food. Serial No. 408,610; Nov. 15. Class 46.

Macy, R. H., & Co., Inc., New York, N. Y. Women's hats. Serial No. 410,513; Nov. 15. Class 39.

Mahr, Julius A., Minneapolis, Minn. Baby carriages. Serial No. 411,044; Nov. 15. Class 19.

Manhattan Soap Company, Inc., New York, N. Y. Toilet soaps. Serial No. 410,916; Nov. 15. Class 4.

Markwell Manufacturing Company, Inc., New York, N. Y. Stapling machines. Serial No. 410,112; Nov. 15. Class 23.

Martin, J. O., Green City, Mo. Germicidal ointment. Serial No. 410,368; Nov. 15. Class 6.

Mason Shoe Manufacturing Company, Chippewa Falls, Wis. Footwear. Serial No. 408,888; Nov. 15. Class 39.

Maus, Clarence, doing business as Clarence-Maus Mop Company, New Orleans, La. Wet mops. Serial No. 410,263; Nov. 15. Class 29.

McAleer Manufacturing Company, Detroit, Mich. Preparation which polishes and cleans automobiles, furniture, etc. Serial No. 408,195; Nov. 15. Class 16.

McComber, Pearl E., Los Angeles, Calif. Preparation for head colds, hay fever, and like ailments. Serial No. 402,689; Nov. 15. Class 6.

McDermont Fruit Company, Riverside, Calif. Fresh citrus fruit. Serial Nos. 410,471–2; Nov. 15. Class 46.

Merkel Inc., New York, N. Y. Meats. Serial No. 407,877; Nov. 15. Class 46.

Michaelis, Curt, Jersey City, N. J. Shortening. Serial No. 403,822; Nov. 15. Class 46.

Michigan Alkali Company, Wyandotte, Mich. Chemical product. Serial No. 407,193; Nov. 15. Class 6.

Milcola Co., The. (See Olsen, Lester S.)

Morrell, George, Corporation, Muskegon Heights, Mich. Buttons and beads of casein. Serial No. 409,846; Nov. 15. Class 40.

Moxie Company, The, Boston, Mass. Club soda. Serial No. 409,693; Nov. 15. Class 45.

Mullen, Joseph A., doing business as Sarong of Philadelphia, Philadelphia, Pa. Soap. Serial No. 411,034; Nov. 15. Class 4.

National Colloid Co., The, Steubenville, Ohio. Boiler compound. Serial No. 410,114; Nov. 15. Class 6.

Neo-Vim Company, Columbus, Ohio. Lotion. Serial No. 410,301; Nov. 15. Class 6.

Neo-Vim Company, Columbus, Ohio. Cough syrup. Serial No. 410,302; Nov. 15. Class 6.

Nordback, Ivar, doing business as Brown Medal Co., New York, N. Y. Dextrinized brown flour. Serial No. 392,812; Nov. 15. Class 46.

Olsen, Lester S., doing business as The Milcola Co., Milwaukee, Wis. Dairy drink. Serial No. 410,517; Nov. 15. Class 46.

Peck & Peck, New York, N. Y. Women's dresses. Serial No. 406,563; Nov. 15. Class 39.

Penick & Ford, Ltd. Incorporated, New York, N. Y. Caramel colors. Serial No. 409,486; Nov. 15. Class 6.

Penick & Ford, Ltd. Incorporated, New York, N. Y. Corn syrup and crystal corn sugar, etc. Serial No. 409,487; Nov. 15. Class 46.

Penick & Ford, Ltd. Incorporated, New York, N. Y. Table syrup. Serial No. 409,935; Nov. 15. Class 46.

Penick & Ford, Ltd. Incorporated, New York, N. Y. Table syrups and molasses. Serial No. 409,937; Nov. 15. Class 46.

Penn Battery Manufacturing Co., Inc., New York, N. Y. Electric batteries, battery leads, cables, and connectors. Serial No. 410,237; Nov. 15. Class 21.

Pennzoil Company, The, Oil City, Pa. Ready mixed cement paint. Serial No. 410,965; Nov. 15. Class 16.

Pierce, Horace W., Arvada, Colo. Preparation useful in the treatment of diabetes and as a general tonic. Serial No. 410,003; Nov. 15. Class 6.

Piggly Wiggly Corporation, Cincinnati, Ohio. Dairy and poultry feed. Serial No. 382,615; Nov. 15. Class 46.

Plough, Inc., Memphis, Tenn. Medicinal preparation. Serial No. 410,518; Nov. 15. Class 6.

Pohlman & Lorenzer, Chicago, Ill. Gravity roller conveyors. Serial No. 410,057; Nov. 15. Class 23.

Quinamid Company, The, New York, N. Y. Medicinal tablets. Serial No. 409,938; Nov. 15. Class 6.

Raffi, Johanna S., doing business as Al. L. Raffi, Red Bud, Ill. Cigars, cigarettes, and scrap tobacco. Serial No. 410,267; Nov. 15. Class 17.

Railroader Publishing Co. (See Gloeb, Elizabeth C.)

Rancho Aliso. (See Tachibana, Mary.)

Ray-O-Vac Company, Madison, Wis. Dry-cell batteries. Serial No. 405,269; Nov. 15. Class 21.

Reed Tobacco Company, Branch Larus & Brother Company. (See Larus & Brother Company.)

Reimann, Inc., Water Mill, Long Island, N. Y. Liniments. Serial No. 400,794; Nov. 15. Class 6.

Reliance Gauge Column Company, The, Cleveland, Ohio. Gauges and indicators, parts, and fittings thereof. Serial No. 410,658; Nov. 15. Class 26.

Reuge, Al., & Cie, Ste. Croix, Switzerland. Ski wear. Serial No. 406,941; Nov. 15. Class 39.

Revlon Nail Enamel Corporation, The, New York, N. Y. Fitted cases containing nail polish preparations, scissors, etc. Serial Nos. 409,698–706; Nov. 15. Class 50.

Revlon Nail Enamel Corporation, The, New York, N. Y. Emulsified oil treatment for the nails. Serial No. 410,406; Nov. 15. Class 6.

Rich Products Corporation, Rockford, Ill. Canned corned beef. Serial No. 411,008; Nov. 15. Class 46.

Richards, Fred F., doing business as Richards' Electro-Fence, Payette, Idaho. Electric fence controller. Serial No. 406,194; Nov. 15. Class 21.

Richardson, Lloyd E., doing business as Sun-Ra Products Co., St. Joseph, Mo. Mustard and pickle sauce. Serial No. 398,140; Nov. 15. Class 46.

Richmond Wood Working Company, Richmond, Va. Caskets, coffins, metal burial vaults, etc. Serial No. 405,131; Nov. 15. Class 2.

Rivkin, Isaac, doing business as Cabana Beach Wear Company, Philadelphia, Pa. Women's bathing suits, sweaters, jackets, etc. Serial No. 396,895; Nov. 15. Class 39.

Roberts, Thomas, & Co., Philadelphia, Pa. Canned grapefruit. Serial No. 409,623; Nov. 15. Class 46.

Romine, Melvin, & Lastra, Ocean Park, Calif. Dehydrated sea kelp. Serial No. 409,827; Nov. 15. Class 6.

Rose Manufacturing Company. (See Rosenbluth, Edwin M.)

Rosenbluth, Edwin M., doing business as Rose Manufacturing Company, Philadelphia, Pa. Odorous chemical composition. Serial No. 410,089; Nov. 15. Class 6.

Rosenholz, J., Inc., New York, N. Y. Piece goods. Serial No. 406,882; Nov. 15. Class 42.

Ross, Dr. W. J., Co., Los Alamitos, Calif. Soap and soap powder. Serial No. 408,226; Nov. 15. Class 4.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

PUBLISHED FOR OPPOSITION

Roxalin Flexible Lacquer Company, Incorporated, Elizabeth, N. J. Paints, varnishes, paint thinners, etc. Serial No. 410,408; Nov. 15. Class 16.

Rubin, Samuel, New York, N. Y. Perfume, toilet water, face powder, etc. Serial No. 410,187; Nov. 15. Class 6.

Sagner, A., & Sons, Inc., Baltimore, Md. Suits and overcoats. Serial No. 409,783; Nov. 15. Class 39.

Saks & Company, New York, N. Y. Slips. Serial No. 403,965; Nov. 15. Class 39.

San Carlos Canning Company, Long Beach, Calif. Canned fish. Serial No. 411,009; Nov. 15. Class 46.

Sarong of Philadelphia. (See Mullen, Joseph A.)

Satin, H. A., & Co., Inc., Chicago, Ill. Cotton house dresses. Serial No. 408,660; Nov. 15. Class 39.

Schneider, Marks, doing business as Columbia Skirt Co., Boston, Mass. Skirts and jackets. Serial No. 400,069; Nov. 15. Class 39.

Schwabacher Bros. & Co., Inc., Seattle, Wash. Paper towels, waxed paper, and paper napkins. Serial No. 407,034; Nov. 15. Class 37.

Seidenbach's, Inc., Tulsa, Okla. Hosiery and women's underwear. Serial No. 392,892; Nov. 15. Class 39.

Shaw, Munson G., Co. Inc., New York, N. Y. Wines. Serial No. 409,540; Nov. 15. Class 47.

Shepard Company, The, Providence, R. I. Wearing apparel. Serial No. 404,187; Nov. 15. Class 39.

Shepard Company, The, Providence, R. I. Wearing apparel. Serial No. 405,415; Nov. 15. Class 39.

Sherriff-Goslin Co., Battle Creek, Mich. Shingles and siding. Serial No. 408,862; Nov. 15. Class 12.

Siegel, William, assignor to David C. Busch, New York, N. Y. Prophylactic and contraceptive jelly. Serial No. 393,451; Nov. 15. Class 6.

Sinclair, Ida M., doing business as Blue Ribbon Flower Holder Company, Cuyahoga Falls, Ohio. Flower holder made of metal. Serial No. 408,766; Nov. 15. Class 50.

Skid Fastener Corporation, New York, N. Y. Slide fasteners. Serial No. 409,626; Nov. 15. Class 13.

Sleetex Company, Inc., New York, N. Y. Window hand cleaner or squeegee. Serial No. 411,106; Nov. 15. Class 29.

Sobel Bros., New York, N. Y. Boots, shoes, and slippers. Serial No. 404,155; Nov. 15. Class 39.

Societe Cheil, Societe Anonyme, La Garenne, France. Laxative. Serial No. 410,755; Nov. 15. Class 6.

Spear & Sussking, Providence, R. I. Watch chains, tie chains, bracelets, etc. Serial No. 407,694; Nov. 15. Class 28.

Staff, Myer, doing business as Dairy Products Co., Birmingham, Ala. Skim milk powder. Serial No. 395,379; Nov. 15. Class 46.

Standard Oil Company of New Jersey, Wilmington, Del. Anti-freeze compound. Serial No. 410,149; Nov. 15. Class 6.

Style Garment Company Inc., Los Angeles, Calif. Ladies' cloaks, coats, and suits. Serial No. 410,008; Nov. 15. Class 39

Stylater, New York, N. Y. Neckties. Serial No. 408,439; Nov. 15. Class 39.

Sun-Ra Products Co. (See Richardson, Lloyd E.)

Tachibana, Mary, doing business as Rancho Aliso, Oceanside, Calif. Fresh tomatoes, bell peppers, chili peppers, etc. Serial No. 410,489; Nov. 15. Class 46.

Tatex Company, The, Toronto, Ohio. Hair tonic. Serial No. 410,057; Nov. 15. Class 6.

Teich, Curt, & Company, Inc., Chicago, Ill. Post cards and pictorial illustrations. Serial No. 408,136; Nov. 15. Class 38.

Teitz, Emanuel, New York, N. Y. Lamps. Serial No. 409,369; Nov. 15. Class 21.

Tepper, J. Saul, Baltimore, Md. Lotion. Serial No. 410,121; Nov. 15. Class 6.

Terre Haute Brewing Company, Inc., Terre Haute, Ind. Beer. Serial No. 402,610; Nov. 15. Class 48.

Thermal Engineering Corporation, Richmond, Va. Installations including treatment chambers, steam jet equipment, etc. Serial No. 409,247; Nov. 15. Class 23.

Titan Co. A/S, Fredrikstad, Norway. Paint products and paint making materials. Serial Nos. 406,362–3; Nov. 15. Class 16.

United Pure Food Co., New York, N. Y. Canned vegetables, dried vegetables, canned fruits, etc. Serial No. 410,346; Nov. 15. Class 46.

United States Plywood Corporation, New York, N. Y. Plywood wall board. Serial No. 410,376; Nov. 15. Class 12.

Utility Products Company. (See Goldstein, Hiram.)

Valsts Elektrotechniskā Fabrika, Riga, Latvia. Chemical products. Serial No. 410,871; Nov. 15. Class 6.

Velveray Corporation of America, New York, N. Y. Suits, skirts, jackets, etc. Serial No. 409,788; Nov. 15. Class 39.

Velveray Corporation of America, New York, N. Y. Textile piece goods. Serial No. 410,197; Nov. 15. Class 42.

Victoria Vab, Inc., New York, N. Y. Garment bags, hosiery cases, cleansing tissue cases, etc. Serial No. 406,004; Nov. 15. Class 2.

Warwick Chemical Company, West Warwick, R. I. Substance for use in moth proofing clothing. Serial No. 409,790; Nov. 15. Class 6.

Weill, Armand, & Co. Ltd., Honolulu, Hawaii. Men's and boys' shirts, hosiery, pajamas, etc. Serial No. 408,681; Nov. 15. Class 39.

West Indian Produce Association, Limited, The, London, England. Tea. Serial No. 410,320; Nov. 15. Class 46.

Wholesale Radio Service Co. Inc., New York, N. Y. Film developing compound. Serial No. 409,983; Nov. 15. Class 6.

Wilson, Andrew, Inc., Springfield, N. J. Soil conditioner. Serial No. 410,568; Nov. 15. Class 10.

Wilson, Andrew, Inc., Springfield, N. J. Insecticides. Serial No. 410,677; Nov. 15. Class 6.

Worth Bros. Inc., Los Angeles, Calif. Suits and top coats. Serial No. 409,249; Nov. 15. Class 39.

Worth Bros. Inc., Los Angeles, Calif. Piece goods. Serial No. 409,335; Nov. 15. Class 42.

Wright, Robert A., Casey, Ill. Electrical educational device. Serial No. 409,984; Nov. 15. Class 21.

Younghusband, James L., Chicago, Ill. Pipe cleaners. Serial No. 411,022; Nov. 15. Class 8.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbotts Dairies, Incorporated, Philadelphia, Pa. Cream cheese. 362,426; Nov. 15; Serial No. 408,444; published Aug. 30, 1938. Class 46.

Abraham & Straus, assignor to Abraham & Straus, Inc., Brooklyn, N. Y. Foods. 122,664; renewed Sept. 10, 1938.

Abuin, Severino, y Compañia, Habana, Cuba. Pork sausages and sausages. 362,195; Nov. 15; Serial No. 404,059; published Sept. 6, 1938. Class 46.

Acme Markets, Inc., assignor to American Stores Company, Philadelphia, Pa. Evaporated milk. 362,430; Nov. 15; Serial No. 408,525; published Aug. 30, 1938. Class 46.

Adam Hat Stores, Inc., New York, N. Y. Men's hats. 362,243; Nov. 15; Serial No. 406,271; published Aug. 2, 1938. Class 39.

Alanson Hats Inc., New York, N. Y. Hats. 362,516; Nov. 15. Class 39.

Albers Bros. Milling Co., Portland, Oreg.; San Francisco, Oakland, Los Angeles, Fresno, Riverside, Sacramento, and San Jose, Calif.; and Seattle, Tacoma, and Spokane, Wash. Poultry food. 362,329; Nov. 15; Serial No. 407,482; published Aug. 30, 1938. Class 46.

Allan Engineering Company, Incorporated, Dallas, Tex. Forced draft attic ventilators. 362,209; Nov. 15; Serial No. 405,283; published Sept. 6, 1938. Class 34.

Allied Mills, Inc., Chicago, Ill. Livestock feeds. 362,345; Nov. 15; Serial No. 407,653; published Sept. 6, 1938. Class 46.

Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Women's slips. 362,193; Nov. 15; Serial No. 403,889; published Aug. 30, 1938. Class 39.

Althouse, Charles S., doing business as Althouse Chemical Company, Reading, Pa. Dyes and dyestuffs. 362,217–18; Nov. 15; Serial Nos. 405,541–2; published Aug. 30, 1938. Class 6.

Althouse, Charles S., doing business as Althouse Chemical Company, Reading Pa. Dyes and dyestuffs. 362,219; Nov. 15; Serial No. 405,544; published Aug. 30, 1938. Class 6.

Ambrose, John F., Charles Town, W. Va. Fresh apples. 362,503; Nov. 15. Class 46.

American Bemberg Corporation, New York, N. Y. Thread and yarn. 362,178–80; Nov. 15; Serial Nos. 402,669–71; published Aug. 30, 1938. Class 43.

American Disinfecting Co., Inc., Sedalia, Mo. Liquid preparation for surfacing, dressing, etc. floors, and wax and paint removers. 362,154; Nov. 15; Serial No. 400,675; published Sept. 6, 1938. Class 16.

American Fork & Hoe Company, The, Cleveland, Ohio. Rakes, forks, hoes, etc. 362,270; Nov. 15; Serial No. 406,794; published Sept. 6, 1938. Class 23.

American Hard Rubber Company, Hempstead and New York, N. Y. Combs. 362,330; Nov. 15; Serial No. 407,485; published Aug. 9, 1938. Class 40.

American Import Company, The, San Francisco, Calif. Handkerchiefs. 362,400; Nov. 15; Serial No. 408,182; published Sept. 6, 1938. Class 39.

American Pop Corn Company, Sioux City, Iowa. Buttered and candied pop corn. 362,380; Nov. 15; Serial No. 407,932; published Sept. 6, 1938. Class 46.

American Seal-Kap Corporation of Delaware, Long Island City, N. Y. Milk bottle caps. 362,150; Nov. 15; Serial No. 400,079; published Sept. 6, 1938. Class 50.

American Stores Company. (See Acme Markets, Inc., assignor.)
Anderson Company, The, Gary, Ind. Chemical cleaners. 362,172; Nov. 15; Serial No. 402,458; published Sept. 6, 1938. Class 4.
Anderson Company, The, Gary, Ind. Vehicle glare shields and glare reducers. 362,173; Nov. 15; Serial No. 402,460; published Sept. 6, 1938. Class 19.
Andersen Corporation, Bayport, Minn. Metal weatherstrips. 362,372; Nov. 15; Serial No. 407,844; published Aug. 30, 1938. Class 12.
Anemostat Corporation of America, New York, N. Y. Fan-driven ventilators, air diffusers, and air aspirators. 362,232; Nov. 15; Serial No. 406,041; published Sept. 6, 1938. Class 34.
Apples & Pears, Inc., Yakima, Wash. Fruits. 362,392; Nov. 15; Serial No. 408,081; published Sept. 6, 1938. Class 46.
Arcturus Radio Tube Company, Newark, N. J. Metal sheets and metal foils having reflecting surfaces. 362,120; Nov. 15; Serial No. 394,117; published Aug. 30, 1938. Class 14.
Aren Beverage & Spring Water Co., Milwaukee, Wis. Carbonated beverages. 362,449; Nov. 15; Serial No. 408,778; published Sept. 6, 1938. Class 45.
Augustin, J. J., doing business as J. J. Augustin, Publisher, New York, N. Y. Travelogue books. 362,296; Nov. 15; Serial No. 407,179; published Sept. 6, 1938. Class 38.
Automatic Electric Company, Chicago, Ill. Telephone sets and impulse senders therefor. 362,146–8; Nov. 15; Serial Nos. 399,990–2; published Sept. 6, 1938. Class 21.
Averill, George G., San Pedro, Calif. Fresh melons. 362,393; Nov. 15; Serial No. 408,082; published Sept. 6, 1938. Class 46.
Axel, Limited, New York, N. Y. Golf jackets, ski jackets, and raincoats. 362,248; Nov. 15; Serial No. 406,413; published Aug. 30, 1938. Class 39.
B. V. D. Corporation, The, Baltimore, Md. Pajamas, and men's shorts. 362,299; Nov. 15; Serial No. 407,211; published Aug. 30, 1938. Class 39.
Babani, Maurice, Paris, France. Perfumes, toilet water, face powder. 362,335; Nov. 15; Serial No. 407,517; published Sept. 6, 1938. Class 6.
Bachman, M. H., Shoe Co., Inc., Middletown, Pa. Children's shoes. 362,151; Nov. 15; Serial No. 400,152; published Jan. 25, 1938. Class 39.
Baker, William T., Inc., to Baker Paint & Varnish Co., Jersey City, N. J., successor. Sash-putties. 123,085–6; renewed Oct. 15, 1938.
Barnard, Florence C., St. Paul, Minn. Ladies' and children's slip-on jackets and garments for covering the lower portion of the body and legs. 362,482; Nov. 15. Class 39.
Barney's Clothes, Inc., New York, N. Y. Suits, overcoats, topcoats, etc. 362,397; Nov. 15; Serial No. 408,149; published Aug. 30, 1938. Class 39.
Beach Leather Company, The, Coshocton, Ohio. Leather pocketbooks or bill folds. 362,436; Nov. 15; Serial No. 408,560; published Sept. 6, 1938. Class 3.
Beard, L. O., Tool Company, Lancaster, Pa. Reamers, pistons, piston pins, etc. 362,136; Nov. 15; Serial No. 398,605; published Sept. 6, 1938. Class 23.
Beck, A. S., Shoe Corporation, New York, N. Y. Shoes and slippers. 362,254; Nov. 15; Serial No. 406,490; published Aug. 9, 1938. Class 39.
Beck, A. S., Shoe Corporation, New York, N. Y. Shoes and slippers. 362,282; Nov. 15; Serial No. 407,084; published Aug. 9, 1938. Class 39.
Becker Cloak Co., Inc., New York, N. Y. Ladies' coats and suits. 362,382; Nov. 15; Serial No. 408,003; published Aug. 23, 1938. Class 39.
Beer, William J., Company, Inc., New York, N. Y. Skis and component parts thereof. 362,237; Nov. 15; Serial No. 406,171; published Sept. 6, 1938. Class 22.
Berg Sales Co., Chicago, Ill. Razor blades. 362,422; Nov. 15; Serial No. 408,414; published Sept. 6, 1938. Class 23.
Best & Co., Inc., New York, N. Y. Hosiery, gloves, dresses, etc. 362,249; Nov. 15; Serial No. 406,414; published Aug. 30, 1938. Class 39.
Best & Co., Inc., New York, N. Y. Ladies', women's, and misses' hats. 362,267; Nov. 15; Serial No. 406,751; published Aug. 23, 1938. Class 39.
Betty-Ann Hats, Inc., New York, N. Y. Misses' and children's hats. 362,165; Nov. 15; Serial No. 402,084; published Aug. 2, 1938. Class 39.
Bick & Ostor Company Limited, Montreal, Quebec, Canada. Wedding rings, finger rings, and jewelry. 362,133; Nov. 15; Serial No. 398,086; published June 7, 1938. Class 28.
Bier, Hermann, Beierfeld, Germany. Hurricane lamps and parts thereof, and marine lamps. 362,485; Nov. 15. Class 34.
Blair Distilling Company, St. Francis, Ky. Whiskey. 362,413; Nov. 15; Serial No. 408,339; published Sept. 6, 1938. Class 40.
Blue Valley Farmer Co., The, Oklahoma City, Okla. Periodical. 362,251; Nov. 15; Serial No. 406,441; published Aug. 30. Class 38.
Bon Marche, The. (See Allied Stores Corporation.)
Bonwit Teller, Inc., New York, N. Y. Women's hats. 362,262; Nov. 15; Serial No. 406,607; published Aug. 9, 1938. Class 39.
Borger, Samuel, doing business as Modes and Fabrics New York, N. Y. Portfolios. 362,360; Nov. 15; Serial No. 407,789; published Aug. 30, 1938. Class 3.
Bourjois, Inc., New York, N. Y. Face powder. 362,164; Nov. 15; Serial No. 401,980; published Aug. 30, 1938. Class 6.
Brown Durrell Co., Boston, Mass., and New York, N. Y. Hosiery. 362,361; Nov. 15; Serial No. 407,791; published Sept. 6, 1938. Class 39.
Brown Shoe Company, Inc., St. Louis, Mo. Shoes. 362,373; Nov. 15; Serial No. 407,850; published Aug. 30, 1938. Class 39.
Brumback, Paul G., doing business as Cleanse-All Products Co., New York, N. Y., and Kansas City, Mo. Shampoo, bath and facial preparation. 362,128; Nov. 15; Serial No. 396,760; published Sept. 6, 1938. Class 6.
Buchanan, James, & Company Limited, London, England. Whisky. 362,450; Nov. 15; Serial No. 408,780; published Sept. 6, 1938. Class 49.
Bulletin Record Publishing Co., Chicago, Ill. Pamphlet. 362,238; Nov. 15; Serial No. 406,172; published Aug. 30, 1938. Class 38.
Bullock's, Inc., Los Angeles, Calif. Foundations, girdles, and corsets. 362,403; Nov. 15; Serial No. 408,232; published Sept. 6, 1938. Class 39.
Burberrys Limited, London, England. Coats and top coats; jackets; etc. 362,134; Nov. 15; Serial No. 398,456; published Sept. 6, 1938. Class 39.
Burberrys Limited, London, England. Coats and top coats; jackets; etc. 362,135; Nov. 15; Serial No. 398,458; published Sept. 6, 1938. Class 39.
Burton-Dixie Corporation, Chicago, Ill. Mattresses, box-springs, couches, etc. 362,431; Nov. 15; Serial No. 408,530; published Sept. 6, 1938. Class 32.
Burton-Levin Foundation, Inc., The, Baltimore, Md., assignor, by mesne assignments, to Livingston Chemical Company, Kalamazoo, Mich. Antidigestant preparation. 362,257; Nov. 15; Serial No. 406,547; published Aug. 30, 1938. Class 6.
Butchers' Advocate Co., Inc., The, New York, N. Y. Publication. 362,278; Nov. 15; Serial No. 407,005; published Sept. 6, 1938. Class 38.
California Consumers Corporation, Los Angeles, Calif. Frozen fruits and frozen vegetables. 362,491; Nov. 15. Class 46.
California Consumers Corporation, Los Angeles, Calif. Frozen fruit juices. 362,492; Nov. 15. Class 46.
California Consumers Corporation, Los Angeles, Calif. Frozen fruit juices, frozen fruits, and frozen vegetables. 362,493; Nov. 15. Class 46.
Callahan, Arthur F., New York, N. Y. Electric refrigerators. 362,348; Nov. 15; Serial No. 407,713; published Aug. 30, 1938. Class 31.
Cal-Par Corporation, New York, N. Y. Laxatives. 362,300; Nov. 15; Serial No. 407,215; published Aug. 30, 1938. Class 6.
Cannon Mills Company, Kannapolis, N. C. Hosiery. 362,389; Nov. 15; Serial No. 408,048; published Aug. 30, 1938. Class 39.
Capson Hat Co., Inc., Fall River, Mass. Men's hats. 362,212; Nov. 15; Serial No. 405,343; published Aug. 9, 1938. Class 39.
Cardinal Laboratories, Inc., Chicago, Ill. Bottle caps, can caps, container closures and corks. 362,316; Nov. 15; Serial No. 407,355; published Sept. 6, 1938. Class 50.
Carnegie, Hattie, Inc., New York, N. Y. Wearing apparel for women and children. 362,510; Nov. 15. Class 39.
Carson Pirie Scott & Company, Chicago, Ill. Overalls. 362,246; Nov. 15; Serial No. 406,372; published Aug. 16, 1938. Class 39.
Castex Laboratories, Inc., Watertown, Mass. Pharmaceutical preparation. 362,349; Nov. 15; Serial No. 407,714; published Aug. 30, 1938. Class 6.
Celluloid Corporation, Newark, N. J. Chemical substance or mixture used as a lubricant, etc. 362,317; Nov. 15; Serial No. 407,362; published Sept. 6, 1938. Class 6.
Ceramiche Piccinelli S. A., Mozzate, Italy. Ceramic bricks and tiles. 362,137; Nov. 15; Serial No. 398,981; published Aug. 16, 1938. Class 12.
Ceramiche Piccinelli S. A., Mozzate, Italy. Wall and floor tiles. 362,138; Nov. 15; Serial No. 398,982; published Aug. 16, 1938. Class 12.
Champion Products Co. (See Raymond, Albert C. S.)
Chaney Manufacturing Company, The, Springfield, Ohio. Thermometers, barometers, and rain-gages. 123,200; renewed Oct. 22, 1938.
Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Brass, copper, and nonferrous alloy sheets, rods, and wire, and silver solder. 362,478; Nov. 15. Class 14.
Chicago Bridge & Iron Works, Chicago, Ill. Metal roofs for storage tanks. 362,336; Nov. 15; Serial No. 407,535; published Aug. 16, 1938. Class 12.
Clark Brothers Chewing Gum Company, Pittsburgh, Pa. Candy coated chewing gum. 362,423; Nov. 15; Serial No. 408,418; published Sept. 6, 1938. Class 46.
Cleanse-All Products Co. (See Brumback, Paul G.)
Clear Weave Hosiery Stores, Inc., (Jamaica Plain) Boston, Mass. Foundation garments, corsets, brassières, etc. 362,233; Nov. 15; Serial No. 406,048; published Aug. 23, 1938. Class 39.

Cohen, J., & Son, Peoria, Ill. Gasoline. 362,163; Nov. 15; Serial No. 401,333; published Aug. 30, 1938. Class 15.
Columbia Manicure Mfg. Co., Inc., New York, N. Y. Orangewood sticks, nail buffers, emery boards, etc. 362,438; Nov. 15; Serial No. 408,595; published Sept. 6, 1938. Class 44.
Columbia Refining Company, Long Island City, N. Y. Motor lubricating oils and greases. 362,117; Nov. 15; Serial No. 391,746; published Sept. 6, 1938. Class 15.
Columbia River Paper Mills, Vancouver, Wash. Wrapping paper. 362,242; Nov. 15; Serial No. 406,241; published Sept. 6, 1938. Class 37.
Commercial Shirt Corporation, New York, N. Y. Diapers. 362,266; Nov. 15; Serial No. 406,750; published Aug. 30, 1938. Class 39.
Commonwealth Shoe and Leather Company, Whitman, Mass. Men's shoes. 362,498; Nov. 15. Class 39.
Contour Hosiery Mills, Rockford, Ill. Hosiery. 362,234; Nov. 15; Serial No. 406,122; published Aug. 16, 1938. Class 39.
Converse Rubber Company, Malden, Mass. Shoes. 362,196; Nov. 15; Serial No. 404,121; published Aug. 23, 1938. Class 39.
Cookies, gingerbread mix, waffle mix, and chewing gum. Huyler's. 362,405; Nov. 15; Serial No. 408,277; published Sept. 6, 1938. Class 46.
Cort Shoes, Inc., Cleveland, Ohio. Shoes. 362,177; Nov. 15; Serial No. 402,667; published Aug. 9, 1938. Class 39.
Cosby-Hodges Milling Co. Inc., Birmingham, Ala. Pig and hog feed. 362,124; Nov. 15; Serial No. 395,109; published Aug. 30, 1938. Class 46.
Costerisan, T. Ray, doing business as The Police Patrol Publishing Company, Burbank, Calif. Magazine. 362,390; Nov. 15; Serial No. 408,051; published Aug. 30, 1938. Class 38.
Craddock Terry Company, Lynchburg, Va. Shoes. 362,192; Nov. 15; Serial No. 403,757; published Aug. 9, 1938. Class 39.
Daily Mirror, Inc., New York, N. Y. Newspaper. 362,214; Nov. 15; Serial No. 405,438; published Sept. 6, 1938. Class 38.
Daniels, Ward, Fillmore, Calif. Fresh citrus fruit. 362,263; Nov. 15; Serial No. 406,624; published Aug. 30, 1938. Class 46.
Dare, Virginia, Extract Company, Inc., Brooklyn, N. Y. Beverage. 362,417; Nov. 15; Serial No. 408,376; published Sept. 6, 1938. Class 45.
Dean's, Professor, King Cactus Oil Company, Clinton, Iowa. Liniment. 362,357; Nov. 15; Serial No. 407,762; published Aug. 30, 1938. Class 6.
De Lellis, Peter, Nutley, N. J. Bottles of hair tonic. 362,272; Nov. 15; Serial No. 406,848; published Aug. 30, 1938. Class 6.
De Lendrecie, O. J., Company, Fargo, N. Dak. Women's wearing apparel. 362,197; Nov. 15; Serial No. 404,122; published Aug. 23, 1938. Class 39.
Deringer, Walter O., doing business as Farm Ideas, Minneapolis, Minn. Periodical. 362,383; Nov. 15; Serial No. 408,011; published Aug. 30, 1938. Class 38.
Dickinson, J. M., Nashville, Tenn. Arabian horses. 362,271; Nov. 15; Serial No. 406,798; published Sept. 6, 1938. Class 1.
Dodge, F. W., Corporation. (See Hearst Magazines Inc.)
Doles & Shepard Co., Chicago, Ill. Agricultural limestone. 362,199; Nov. 15; Serial No. 404,354; published Sept. 6, 1938. Class 1.
Dow Chemical Company, The, Midland, Mich. Methyl cellulose. 362,166; Nov. 15; Serial No. 402,088; published Aug. 30, 1938. Class 6.
Drug Products Company, Inc., The, Long Island City, N. Y. Non-astringent hematinic preparation. 362,391; Nov. 15; Serial No. 408,053; published Aug. 30, 1938. Class 6.
Dunbar, Harry J., doing business as Stout Control Foundations, New York, N. Y. Foundation garments. 362,495; Nov. 15. Class 39.
Dutchess Underwear Corporation, New York, N. Y. Underwear, pajamas, nightgowns, etc. 362,337; Nov. 15; Serial No. 407,584; published Aug. 16, 1938. Class 39.
Eagle Clothes, New York, N. Y. Overcoats and topcoats. 362,362; Nov. 15; Serial No. 407,799; published Aug. 30, 1938. Class 39.
Eastern Isles Importing Co., Inc., The, New York, N. Y. Pajamas, nightgowns, house coats, etc. 362,324; Nov. 15; Serial No. 407,428; published Aug. 23, 1938. Class 39.
Eastern Quality Corp., New York, N. Y. Women's fur coats. 362,216; Nov. 15; Serial No. 405,490; published Sept. 6, 1938. Class 39.
Eisendrath, B. D., Tanning Co., Chicago, Ill. Leather. 362,276; Nov. 15; Serial No. 406,967; published Sept. 6, 1938. Class 1.
Exhaust Fan & Blower Co., New York, N. Y. Electrical ventilating fans, fan and blower exhaust units, etc. 362,477; Nov. 15. Class 34.
El Campo Rice Milling Company, El Campo, Tex. Mixed feeds. 362,184; Nov. 15; Serial No. 402,967; published Sept. 6, 1938. Class 46.
Elmo, Inc., Philadelphia, Pa. Facial creams. 362,283; Nov. 15; Serial No. 407,093; published Aug. 30, 1938. Class 6.
Erasmic Company, Limited, The, Warrington, England. Lavender water, bath salts and toilet powder. 362,169; Nov. 15; Serial No. 402,254; published Aug. 9, 1938. Class 6.
Euclid Candy Co. of California, Inc., The, San Francisco, Calif. Candy bars. 362,289; Nov. 15; Serial No. 407,137; published Sept. 6, 1938. Class 46.
Fabricoustic Co., Los Angeles, Calif. Sound control insulation, building and resilient materials. 362,384; Nov. 15; Serial No. 408,014; published Aug. 30, 1938. Class 12.
Faith Mfg. Co., Chicago, Ill. Locking caps for automobile gasoline tanks. 362,453; Nov. 15; Serial No. 408,880; published Sept. 6, 1938. Class 25.
Farm and Grove Syndicate, Inc., Jacksonville, Fla. Publication. 362,346; Nov. 15; Serial No. 407,668; published Sept. 6, 1938. Class 38.
Farm Ideas. (See Deringer, Walter D.)
Favorite Panama Hat Co., Inc., New York, N. Y. Men's hats. 362,284; Nov. 15; Serial No. 407,094; published Aug. 23, 1938. Class 39.
Fawcett Publications, Inc., Greenwich, Conn. Magazine. 362,374–5; Nov. 15; Serial Nos. 407,856–7; published Aug. 30, 1938. Class 38.
Federal Wine & Liquor Co., Jersey City, N. J. Wines. 362,142; Nov. 15; Serial No. 399,653; published Sept. 6, 1938. Class 47.
Fiba-Seal Chemicals, Inc., Hoboken, N. J. Waterproofing or preservative compound. 362,174; Nov. 15; Serial No. 402,496; published Aug. 30, 1938. Class 6.
Fiba-Seal Chemicals, Inc., Hoboken, N. J. Water-proofing preparation. 362,175; Nov. 15; Serial No. 402,497; published Sept. 6, 1938. Class 12.
Fiba-Seal Chemicals, Inc., Hoboken, N. J. Water-proofing preparation. 362,176; Nov. 15; Serial No. 402,498; published Aug. 30, 1938. Class 6.
Fish & Kimmel, Inc., New York, N. Y. Dyed coney coats, capes, and jackets. 362,221; Nov. 15; Serial No. 405,834; published Sept. 6, 1938. Class 39.
Fleer, Frank H., Corporation, Philadelphia, Pa. Chewing-gum and a product thereof. 125,047; renewed Apr. 8, 1939.
Ford Hopkins Co., Chicago, Ill. Iodine, milk of magnesia, spirits of camphor, etc. 362,189; Nov. 15; Serial No. 403,586; published Sept. 6, 1938. Class 6.
Four Penny Products Co., Chicago, Ill. Dandruff remover tonic and dandruff remover shampoo. 362,235; Nov. 15; Serial No. 406,126; published Aug. 30, 1938. Class 6.
Fownes Brothers & Co. Inc., New York, N. Y. Gloves. 362,265; Nov. 15; Serial No. 406,709; published Aug. 9, 1938. Class 39.
Fremont Canning Company, doing business as Gerber Products Company, Fremont, Mich. Canned foods. 362,108; Nov. 15; Serial No. 354,288; published Sept. 6, 1938. Class 46.
French Renovating Company, The, Cleveland, Ohio. Dyes. 362,341; Nov. 15; Serial No. 407,615; published Sept. 6, 1938. Class 6.
Friedman Blau Farber Company, Cleveland, Ohio. Caps, hoods, hockey caps, etc. 362,310; Nov. 15; Serial No. 407,264; published Aug. 23, 1938. Class 39.
Fril Laboratories, Cincinnati, Ohio. Deodorant. 362,338; Nov. 15; Serial No. 407,590; published Sept. 6, 1938. Class 6.
Fruit of the Loom, Inc. (See Knight, B. B. & R., assignor.)
Galloway, Edward B., Oklahoma City, Okla. Books, letters, and circulars. 362,194; Nov. 15; Serial No. 404,040; published Sept. 6, 1938. Class 38.
Gam Sales Company, Peoria, Ill. Number game played with coupons. 362,469; Nov. 15; Serial No. 409,093; published Sept. 6, 1938. Class 22.
Garside, A., & Sons, Philadelphia, Pa. Women's shoes. 362,279; Nov. 15; Serial No. 407,017; published Aug. 30, 1938. Class 39.
Gem-Dandy Garter Co., Madison, N. C. Brassières, corselets, and girdles. 362,479; Nov. 15. Class 39.
General Chemical Company, New York, N. Y. Lime 362,327; Nov. 15; Serial No. 407,462; published Sept. 6, 1938. Class 6.
General Fireproofing Co., The, Youngstown, Ohio. Filing cabinets. 362,437; Nov. 15; Serial No. 408,569; published Sept. 6, 1938. Class 32.
General Household Necessities Co., Los Angeles, Calif. Cleaning solvent. 362,441; Nov. 15; Serial No. 408,639; published Sept. 6, 1938. Class 4.
General Mills, Inc. (See Sperry Flour Company, assignor.)
General Paint Corporation, San Francisco, Calif. Paints 362,432; Nov. 15; Serial No. 408,538; published Sept. 6, 1938. Class 16.
General Tire & Rubber Company, The, Akron, Ohio. Pneumatic tires. 362,113; Nov. 15; Serial No. 378,886; published Sept. 6, 1938. Class 35.
Gerber Products Company. (See Fremont Canning Company.)
Gertz, B., Inc., Jamaica, N. Y. Suits, overcoats, and topcoats. 362,131; Nov. 15; Serial No. 397,903; published Aug. 30, 1938. Class 39.
Gibson Canning Company, Gibson City, Ill. Mexican style beans in chili gravy. 362,499; Nov. 15. Class 46.

Gilbert, Isidore H., doing business as Progressive Laboratory Specialties Company, Jamaica, N. Y. Ink. 362,451; Nov. 15; Serial No. 408,798; published Sept. 6, 1938. Class 11.

Ginsberg, Isaac, & Bros., Inc., New York, N. Y. Dresses. 362,255; Nov. 15; Serial No. 406,509; published Aug. 16, 1938. Class 39.

Gladding's Inc., Providence, R. I. Outer shorts and shirts, blouses, etc. 362,236; Nov. 15; Serial No. 406,129; published Aug. 2, 1938. Class 39.

Glemby Company, Inc., The, New York, N. Y. Hair roll foundations. 362,488; Nov. 15. Class 40.

Glidden Company, The, Cleveland, Ohio. Feed for cattle, sheep, hogs, etc. 362,149; Nov. 15; Serial No. 400,003; published Sept. 6, 1938. Class 46.

Globe Knitting Works, Grand Rapids, Mich. Combination polo shirt and underwear. 362,363; Nov. 15; Serial No. 407,807; published Aug. 30, 1938. Class 39.

Goldblatt Bros. Inc., Chicago, Ill. Childrens' shoes. 362,156; Nov. 15; Serial No. 400,967; published Aug. 23, 1938. Class 39.

Goldman Frock Co., Inc., New York, N. Y. Dresses. 362,520; Nov. 15. Class 39.

Goldsmith Bros., New York, N. Y. Writing and typewriting paper. 362,309; Nov. 15; Serial No. 407,262; published Sept. 6, 1938. Class 37.

Goodall Rubber Company, Incorporated, Philadelphia, Pa. Boots of rubber. 362,489; Nov. 15. Class 39.

Gossard, H. W., Co., The, Chicago, Ill. Corsets, girdles, and combination corsets and brassières. 362,318; Nov. 15; Serial No. 407,375; published Aug. 30, 1938. Class 39.

Graham Paper Company, St. Louis, Mo. Printing and writing paper. 362,494; Nov. 15. Class 37.

Grant Photo Corporation, New York, N. Y. Photographs adapted to present the appearance of moving pictures. 362,398; Nov. 15; Serial No. 408,159; published Sept. 6, 1938. Class 38.

Grant, W. T., Company, New York, N. Y. Men's hose. 362,301; Nov. 15; Serial No. 407,221; published Aug. 16, 1938. Class 39.

Greene, Tweed & Co., New York, N. Y. Machinery packings. 362,452; Nov. 15; Serial No. 408,799; published Aug. 30, 1938. Class 35.

Grenadier Products Inc., New York, N. Y. Pneumatic tires. 362,463; Nov. 15; Serial No. 409,001; published Sept. 6, 1938. Class 35.

Gummed Products Company, The, Troy, Ohio. Gummed paper tape. 362,325; Nov. 15; Serial No. 407,431; published Sept. 6, 1938. Class 37.

Guth, Edwin F., Company, The, St. Louis, Mo. Electric lighting fixtures. 362,223; Nov. 15; Serial No. 405,876; published Sept. 6, 1938. Class 21.

H & G Research Laboratories, Inc., Denver, Colo. De-icing solutions for windshields, windows, and the like. 362,476; Nov. 15. Class 4.

Haggar, Joseph M., Dallas, Tex. Trousers. 362,418; Nov. 15; Serial No. 408,383; published Sept. 6, 1938. Class 39.

Hansen Glove Corporation, Milwaukee, Wis. Gloves. 362,259; Nov. 15; Serial No. 406,585; published Aug. 23, 1938. Class 39.

Harper, James A., Supply Co., Kansas City, Mo. Bulking agent to be added to powdered malted milk. 362,394; Nov. 15; Serial No. 408,100; published Sept. 6, 1938. Class 46.

Hart Products Corporation, The, New York, N. Y. Soaps and soap preparations. 362,229; Nov. 15; Serial No. 405,988; published Sept. 6, 1938. Class 4.

Hartmann Trunk Company, Racine, Wis. Suitcases, trunks, hat boxes, etc. 362,342; Nov. 15; Serial No. 407,629; published Sept. 6, 1938. Class 3.

Hearst Magazines Inc., New York, N. Y., assignor to F. W. Dodge Corporation. Magazine. 362,185; Nov. 15; Serial No. 403,042; published Sept. 6, 1938. Class 38.

Hearst Sunical Land and Packing Corporation, San Francisco, Calif. Canned fruits. 362,152; Nov. 15; Serial No. 400,399; published Sept. 6, 1938. Class 46.

Hedges & Butler, Limited, London, England. Scotch whisky. 362,404; Nov. 15; Serial No. 408,275; published Sept. 6, 1938. Class 49.

Heintz, James C., doing business as James C. Heintz & Company, Cleveland, Ohio. Pneumatic tires and retreaded pneumatic tires. 362,465; Nov. 15; Serial No. 409,035; published Sept. 6, 1938. Class 35.

Heirloom Needlecraft Guild, Inc., New York, N. Y. Yarn. 362,280; Nov. 15; Serial No. 407,022; published Aug. 16, 1938. Class 43.

Henneberger Lumber & Coal Co., The, Hamilton, Ohio. Coal. 362,319; Nov. 15; Serial No. 407,377; published Sept. 6, 1938. Class 1.

Hercules Powder Company, Wilmington, Del. Emulsified combination of waxes and fats for textile finishing. 362,444; Nov. 15; Serial No. 408,710; published Aug. 30, 1938. Class 6.

Hercules Powder Company, Wilmington, Del. Sulfonated for high titre fats for textiles. 362,445; Nov. 15; Serial No. 408,712; published Aug. 30, 1938. Class 6.

Hercules Powder Company, Wilmington, Del. Treated vegetable oil for textile finishing. 362,446; Nov. 15; Serial No. 408,713; published Aug. 30, 1938. Class 6.

Hill, C. V., and Company, Inc., Trenton, N. J. Refrigerator display cases. 362,454; Nov. 15; Serial No. 408,884; published Aug. 30, 1938. Class 31.

Hirschberg-Schutz & Co., New York, N. Y. Brassières, girdles, and corsets. 362,224; Nov. 15; Serial No. 405,927; published Aug. 2, 1938. Class 39.

Homgaard, C., Elsinore, Denmark, and London, England. Liqueur. 362,130; Nov. 15; Serial No. 397,407; published Sept. 6, 1938. Class 49.

Horlacher Brewing Company, Allentown, Pa. Beer, ale, and porter. 362,519; Nov. 15. Class 48.

Hughes Fawcett, Inc., New York, N. Y. Shoe laces. 362,141; Nov. 15; Serial No. 399,560; published Aug. 30, 1938. Class 40.

Hut Neckwear Co., Inc., New York, N. Y. Necktles and cravats. 362,320; Nov. 15; Serial No. 407,378; published Sept. 6, 1938. Class 39.

Huyler's, New York, N. Y. Cookies, gingerbread mix, waffle mix, and chewing gum. 362,405; Nov. 15; Serial No. 408,277; published Sept. 6, 1938. Class 46.

Hyman, Sol I., doing business as National Millinery Co. and National Wholesale Millinery Co., Baltimore, Md. Hats for children, misses, and ladies. 362,202; Nov. 15; Serial No. 404,475; published Sept. 6, 1938. Class 39.

Illinois Clay Products Co., The, Joliet, Ill. Foundry molding sand ingredient. 362,500; Nov. 15. Class 1.

Independent Starch Company, Inc., New York, N. Y. Starches. 362,429; Nov. 15; Serial No. 408,502; published Sept. 6, 1938. Class 6.

Inderrieden Canning Co., assignor to The J. B. Inderrieden Company, Chicago, Ill. Canned corn and red beans, canned red kidney-beans, etc. 123,132; renewed Oct. 15, 1938.

Inderrieden Canning Co., assignor to The J. B. Inderrieden Company, Chicago, Ill. Canned goods. 123,354; renewed Oct. 29, 1938.

International Mutoscope Reel Co. Inc., New York, N. Y. Coin-operated photographic machines. 362,111; Nov. 15, 1938. Serial No. 375,391; published Sept. 6, 1938. Class 26.

International Nickel Company, Inc., The, New York, N. Y. Alloys containing nickel. 362,168; Nov. 15; Serial No. 402,223; published Sept. 6, 1938. Class 14.

Interwoven Stocking Company, New Brunswick, N. J. Hosiery. 362,240; Nov. 15; Serial No. 406,218; published Sept. 6, 1938. Class 39.

Irons & Russell Company, Providence, R. I. Jewelry. 362,290; Nov. 15; Serial No. 407,142; published Aug. 16, 1938. Class 28.

Irwin, Hopwood & Company, New York, N. Y. Dresses. 362,297; Nov. 15; Serial No. 407,187; published Aug. 16, 1938. Class 39.

Isaac, William, New York, N. Y. Neckties. 362,268; Nov. 15; Serial No. 406,761; published Aug. 23, 1938. Class 39.

Jaburg Brothers, Inc., New York, N. Y. Powdered milk for cream filling, cakes, and bread. 362,391; Nov. 15; Serial No. 407,143; published Sept. 6, 1938. Class 46.

Jawine Company, The. (See Weinberger, Julius A.)

Jay-Thorpe, Inc., New York, N. Y. Ladies' and misses' hats, shoes, gloves, etc. 362,170; Nov. 15; Serial No. 402,299; published Aug. 2, 1938. Class 39.

Jones, Clifford E., doing business as Peru Specialty Co., Peru, Ind. Insecticide. 362,350; Nov. 15; Serial No. 407,733; published Sept. 6, 1938. Class 6.

Joy Doll Corporation, New York, N. Y. Dolls, stuffed toys, children's play furniture, etc. 362,457–9; Nov. 15; Serial Nos. 408,921–3; published Sept. 6, 1938. Class 22.

Juvenile Shoe Corporation of America, The, Aurora and St. Louis, Mo. Shoes. 362,244; Nov. 15; Serial No. 406,294; published Aug. 2, 1938. Class 39.

K & S Motor Products, Inc., The, Hillside, N. J. Filter units for gases or oils, etc. 362,220; Nov. 15; Serial No. 405,814; published Aug. 30, 1938. Class 31.

Kahn, J. Leon, doing business as Novotex Laboratories, Washington, D. C. Chemical preparation. 362,281; Nov. 15; Serial No. 407,023; published Aug. 30, 1938. Class 6.

Kahn, J. Leon, doing business as the Tusscaps Laboratories, Washington, D. C. Medicinal preparation. 362,406; Nov. 15; Serial No. 408,278; published Sept. 6, 1938. Class 6.

Kal-Mendit Company, Youngstown, Ohio, and Erie, Pa. Fabric repair weaving equipment and hosiery repair machine needles. 362,213; Nov. 15; Serial No. 405,429; published Sept. 6, 1938. Class 23.

Kansas Flour Mills Corporation, The, Kansas City, Mo. Flour. 362,433; Nov. 15; Serial No. 408,541; published Sept. 6, 1938. Class 46.

Kasnowitz, Max, & Sons, New York, N. Y. Childrens' and misses' pocketbooks. 362,385; Nov. 15; Serial No. 408,023; published Aug. 30, 1938. Class 3.

Kaufmann Department Stores, Inc., Pittsburgh, Pa. Men's clothing and furnishings. 362,497; Nov. 15. Class 39.

Kay Shoe Co. (See Kleinfeld, Max.)

Keasbey & Mattison Company, Ambler, Pa. Roofing materials. 362,225; Nov. 15; Serial No. 405,928; published Sept. 6, 1938. Class 12.

Kimpton, Herbert C., Portland, Oreg. Mattresses. 362,313; Nov. 15; Serial No. 407,315; published Aug. 30, 1938. Class 32.

Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields. 362,208; Nov. 15; Serial No. 405,258; published Aug. 9, 1938. Class 40.

Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields. 362,292–3; Nov. 15; Serial Nos. 407,146–7; published Aug. 9, 1938. Class 40.

Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields. 362,409–10; Nov. 15; Serial Nos. 408,317–18; published Sept. 6, 1938. Class 40.

Kleinfeld, Max, doing business as Kay Shoe Co., New York, N. Y. Shoes. 362,511; Nov. 15. Class 39.

Klever Klad Frocks, Inc., New York, N. Y. Dresses of woven fabrics. 362,315; Nov. 15; Serial No. 407,351; published Aug. 16, 1938. Class 39.

Knight, B. B. & R., assignor, by mesne assignments, to Fruit of the Loom, Inc., Providence, R. I. Cotton piece goods. 124,729–33; renewed Mar. 11, 1939.

Knowlton, Wm., & Sons Company, West Upton, Mass. Women's hats. 362,200; Nov. 15; Serial No. 404,367; published Aug. 23, 1938. Class 39.

Kobacker Stores, Inc., Tiedtke Division, Toledo, Ohio. Coffee. 362,507; Nov. 15. Class 46.

Korinek Remedy Company, Stayton, Oreg. Veterinary preparations. 362,517; Nov. 15. Class 6.

Kramer, Herman, doing business as Kramer manufacturing Co., Tulsa, Okla. Power driven garden tractors, including attachments therefor. 362,351; Nov. 15; Serial No. 407,734; published Sept. 6, 1938. Class 23.

Kresge Department Stores, Inc., Newark, N. J., and Washington, D. C. Corsets. 362,513; Nov. 15. Class 39.

Krome-Alume, Inc., Lockport, N. Y. Aluminum cooking hollow-ware. 362,132; Nov. 15; Serial No. 398,074; published Sept. 6, 1938. Class 13.

Kumpula, Reuben, Minneapolis, Minn. Liquid used in the treatment of arthritis, rheumatism, etc. 362,112; Nov. 15; Serial No. 376,285; published Sept. 6, 1938. Class 6.

Laclede-Christy Clay Products Company, St. Louis, Mo. Refractory brick. 362,369; Nov. 15; Serial No. 407,836; published Aug. 16, 1938. Class 12.

Lady Esther, Ltd., Chicago, Ill. Face cream and face powder. 362,339; Nov. 15; Serial No. 407,595; published Sept. 6, 1938. Class 6.

Lamm Brothers, Incorporated, Baltimore, Md. Suits, topcoats, raincoats, etc. 362,250; Nov. 15; Serial No. 406,425; published Sept. 6, 1938. Class 39.

Lamorte, James V., New York, N. Y. Shaving creams. 362,411; Nov. 15; Serial No. 408,319; published Sept. 6, 1938. Class 4.

Lankenau, John R., doing business as Pinfree Mfg. Company, Boston, Mass. Children's and infants' garments. 362,480; Nov. 15. Class 39.

Leeson, Myra W., Los Angeles, Calif. Cosmetics. 362,294; Nov. 15; Serial No. 407,149; published Sept. 6, 1938. Class 6.

Lefkove & Meyers, Miami, Fla. Ladies', misses', and juniors' coats and suits. 362,343; Nov. 15; Serial No. 407,634; published Aug. 16, 1938. Class 39.

Le Roi Hosiery Co., Inc., New York, N. Y. Hosiery. 362,181; Nov. 15; Serial No. 402,685; published Aug. 30, 1938. Class 39.

Lethelin Products Company, Inc., Wood Ridge, N. J. Ant bait. 362,460; Nov. 15; Serial No. 408,956; published Sept. 6, 1938. Class 6.

Lethelin Products Company, Inc., Wood Ridge, N. J. Insecticide or plant spray. 362,461; Nov. 15; Serial No. 408,957; published Sept. 6, 1938. Class 6.

Lethelin Products Company, Inc., Wood Ridge, N. J. Plant spray, fumigant. 362,518; Nov. 15. Class 6.

Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y. Men's and boys' suits. 362,302; Nov. 15; Serial No. 407,228; published Aug. 16, 1938. Class 39.

Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y. Suits. 362,303–5; Nov. 15; Serial Nos. 407,229–31; published Sept. 6, 1938. Class 39.

Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y. Suits, coats, and trousers, etc. 362,415; Nov. 15; Serial No. 408,349; published Sept. 6, 1938. Class 39.

Lincoln Electric Company, The, Cleveland, Ohio. Metallic welding electrodes. 362,515; Nov. 15. Class 14.

Lindsay-Nile Products, Inc., Misson, Tex. Celery seasoning, canned vegetable juices, and canned fruit juices. 362,167; Nov. 15; Serial No. 402,192; published Sept. 6, 1938. Class 46.

Livingston Chemical Company. (See Burton-Levin Foundation, Inc., The, assignor.)

Livingston & Lieberman, New York, N. Y. Blouses, shirts, skirts, etc. 362,386; Nov. 15; Serial No. 408,024; published Sept. 6, 1938. Class 39.

London & Co., Inc., Elizabeth, N. J. Whiskey. 362,190; Nov. 15; Serial No. 403,595; published Aug. 30, 1938. Class 49.

London House, Ltd., New York, N. Y. Perfume. 362,439–40; Nov. 15; Serial Nos. 408,608–9; published Sept. 6, 1938. Class 6.

Lord & Taylor, New York, N. Y. Coats and overcoats. 362,311; Nov. 15; Serial No. 407,272; published Aug. 16, 1938. Class 39.

Lorraine Manufacturing Company, Pawtucket, R. I., and New York, N. Y. Skirts, waists, suits, etc. 362,376; Nov. 15, 1938. Serial No. 407,869; published Aug. 23, 1938. Class 39.

Louisville Cement Company, Louisville, Ky. Portland cement. 362,186; Nov. 15; Serial No. 403,214; published Aug. 30, 1938. Class 12.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections. 362,419; Nov. 15; Serial No. 408,391; published Sept. 6, 1938. Class 46.

Lyons, Gordon V., Inc., New York, N. Y. Coats and suits. 362,352; Nov. 15; Serial No. 407,735; published Sept. 6, 1938. Class 39.

M. V. C. Laboratories, Inc., Toledo, Ohio. Manicure preparation. 362,306; Nov. 15; Serial No. 407,233; published Sept. 6, 1938. Class 6.

Macy, R. H., & Co., Inc., New York, N. Y. Women's shoes. 362,285–6; Nov. 15; Serial Nos. 407,100–1; published Aug. 9, 1938. Class 39.

Maidwell Brassiere & Corset Co., New York, N. Y. Girdles, corselettes, brassières, and bandeaux. 362,125; Nov. 15; Serial No. 396,605; published Aug. 23, 1938. Class 39.

Marathon Laboratories, Inc., Newark, N. J. Nail polish, nail, wax powder, etc. 362,321; Nov. 15; Serial No. 407,380; published Aug. 30, 1938. Class 6.

Markman, John J., Washington, D. C. Artificial ice. 362,210; Nov. 15; Serial No. 405,306; published Sept. 6, 1938. Class 1.

Marshall Field & Company, Chicago, Ill. Children's play suits. 362,414; Nov. 15; Serial No. 408,344; published Sept. 6, 1938. Class 39.

Marty, F., & Company, Syracuse, N. Y. Hand dipped candles. 362,203; Nov. 15; Serial No. 404,675; published Sept. 6, 1938. Class 15.

Maryland Baking Company, Inc., Baltimore, Md. Ice cream cones. 362,427; Nov. 15; Serial No. 408,467; published Aug. 30, 1938. Class 46.

Master Brands, Inc., doing business as The Zoro Company, Chicago, Ill. Toilet bowl deodorant. 362,182; Nov. 15; Serial No. 402,733; published Aug. 30, 1938. Class 6.

McCormick & Company, Inc., Baltimore, Md. Food flavoring extracts. 362,407; Nov. 15; Serial No. 408,283; published Sept. 6, 1938. Class 46.

McGill, Margaret B., Seattle, Wash. Fertilizers. 362,356; Nov. 15; Serial No. 407,760; published Sept. 6, 1938. Class 10.

McKelvey, C. N., doing business as McKelvey's Pharmacy, Bellaire, Ohio. Cough syrup. 362,364; Nov. 15; Serial No. 407,812; published Sept. 6, 1938. Class 6.

McKesson & Robbins, Incorporated, Bridgeport and Fairfield, Conn. Suntan oil, insect repellent preparation. 362,455; Nov. 15; Serial No. 408,890; published Sept. 6, 1938. Class 6.

Medicus Laboratories Distributors. (See Wiswell, Albert G.)

Metals Disintegrating Company, Inc., Union, N. J. Flaked disintegrated metal used as paint ingredient. 362,230; Nov. 15; Serial No. 406,026; published Sept. 6, 1938. Class 16.

Metropolitan Shoemakers, Inc., Chicago, Ill. Shoes. 362,121; Nov. 15; Serial No. 394,340; published Aug. 9, 1938. Class 39.

Mid-West Production Engineering, Inc., Detroit, Mich. Machines for forming apertures in metal. 362,353; Nov. 15; Serial No. 407,736; published Sept. 6, 1938. Class 23.

Miller Brewing Company, Milwaukee, Wis. Beer. 362,399; Nov. 15; Serial No. 408,164; published Sept. 6, 1938. Class 48.

Miller, Polk, Products Corp., Richmond, Va. Flea powder. 362,260–1; Nov. 15; Serial Nos. 406,601–2; published Aug. 30, 1938. Class 6.

Miller, William E., doing business as Zip Manufacturing Co., Oklahoma City, Okla. Insecticides and hair oil, pure glycerine, etc. 362,424; Nov. 15; Serial No. 408,431; published Sept. 6, 1938. Class 6.

Mirakel Optical Co. (See Reichert, Robert J.)

Modes and Fabrics. (See Borger, Samuel.)

Monarch Knitting Co., Limited, The, Dunnville, Ontario, Canada. Knitting yarns. 362,114; Nov. 15; Serial No. 383,848; published Aug. 23, 1938. Class 43.

Monroe, Marjorie, Cosmetic Co., Chicago, Ill. Cosmetic preparations. 362,204; Nov. 15; Serial No. 404,771; published Aug. 30, 1938. Class 6.

Montandon, Mary and Joseph, Jr., Newburgh, N. Y. Preparation for scalp treatment. 362,378; Nov. 15; Serial No. 407,912; published Aug. 30, 1938. Class 6.

Murphy, Harold J., doing business as Murphy Products Co., Gouverneur, N. Y. Powder to kill lice. 362,464; Nov. 15; Serial No. 409,006; published Sept. 6, 1938. Class 6.

National Aniline & Chemical Company, Inc., New York, N. Y. Protective oxidizing agent and kier-boiling assistant for dyed and printed materials. 362,307; Nov. 15; Serial No. 407,238; published Sept. 6, 1938. Class 6.

National Millinery Co. (See Hyman, Sol I.)

National Oak Flooring Manufacturers Association, Memphis, Tenn. Oak flooring. 362,428; Nov. 15; Serial No. 408,470; published Sept. 6, 1938. Class 12.

National Shirt Shops of Delaware, Inc., New York, N. Y. Outer apparel. 362,205; Nov. 15; Serial No. 404,904; published Sept. 6, 1938.

National Wholesale Millinery Co. (See Hyman, Sol I.)

Negbaur, H., & Co., Inc., New York, N. Y. Cigarette cases. 362,322; Nov. 15; Serial No. 407,384; published Sept. 6, 1938. Class 8.

Nelson, James, Limited, England. (See Raab-Meyerhof, M. H., Co., Inc., assignor.)

New Process Company, Warren, Pa. Topcoats. 362,514; Nov. 15. Class 39.

New York Knitting Mills, Inc., New York, N. Y. Knitted sweaters and women's, misses', and children's knitted suits. 362,395; Nov. 15; Serial No. 408,127; published Sept. 6, 1938. Class 39.

Nordby, Emil, Hamar, Norway. Bread. 362,110; Nov. 15; Serial No. 375,093; published Mar. 8, 1938. Class 46.

Norwich Pharmacal Company, The, Norwich, N. Y. Preparation indicated for treatment of raw, tickling, etc. throat conditions; coughs, etc. 362,447; Nov. 15; Serial No. 408,759; published Aug. 30, 1938. Class 6.

Novotex Laboratories. (See Kahn, J. Leon.)

Oppenheim, Collins & Co. Inc., Wilmington, Del.; New York, Brooklyn, and Buffalo, N. Y.; and Philadelphia, Pa. Gloves, shoes, slippers, etc. 362,483; Nov. 15. Class 39.

Pardoll, Joseph, doing business as The Permanon Company, New York, N. Y. Cosmetics. 362,312; Nov. 15; Serial No. 407,282; published Sept. 6, 1938. Class 6.

Parke, Davis & Company, Detroit, Mich. Anesthetic. 362,456; Nov. 15; Serial No. 408,897; published Sept. 6, 1938. Class 6.

Patricia Petticoat Co., Inc., The, New York, N. Y. Slips, petticoats, nightgowns, etc. 362,258; Nov. 15; Serial No. 406,561; published Aug. 23, 1938. Class 39.

Patterson-Sargent Company, The, Cleveland, Ohio. Paints, paint enamels, stains, etc. 362,287; Nov. 15; Serial No. 407,109; published Sept. 6, 1938. Class 16.

Pecora Paint Company, Philadelphia, Pa. Stains for mortars and cement. 124,140; renewed Jan. 14, 1939.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Trousers. 362,222; Nov. 15; Serial No. 405,857; published Sept. 6, 1938. Class 39.

Perfect Circle Company, The, Hagerstown, Ind. Metal piston rings. 362,434–5; Nov. 15; Serial Nos. 408,546–7; published Sept. 6, 1938. Class 35.

Permanon Company, The. (See Pardoll, Joseph.)

Peru Specialty Co. (See Jones, Clifford E.)

Petri Cigar Co., also doing business as Petri Wine Company, San Francisco, Calif. Wines. 362,126; Nov. 15; Serial No. 396,370; published Sept. 6, 1938. Class 47.

Pilot Radio Corporation, Long Island City, N. Y. Radio receivers. 362,187; Nov. 15; Serial No. 403,328; published Sept. 6, 1938. Class 21.

Pinfree Mfg. Company. (See Lankenan, John R.)

Pioneer Atlas Liquor Co., Chicago, Ill. Bourbon whiskey. 362,420; Nov. 15; Serial No. 408,389; published Aug. 30, 1938. Class 49.

Placentia Mutual Orange Association, Placentia, Calif. Oranges. 124,874; renewed Mar. 18, 1939.

Plate, Robert T., doing business as Plate Manufacturing Company, Detroit, Mich. Hair curlers and bob pins. 362,331–2; Nov. 15; Serial Nos. 407,503–4; published Aug. 30, 1938. Class 40.

Policie Patrol Publishing Company, The. (See Costerisan, T. Ray.)

Pollak, Henry, Inc., New York, N. Y. Hat bodies and hats for women and children. 362,486; Nov. 15. Class 39.

Polstray Co., Inc., New York, N. Y. Preparation for rheumatic relief. 362,347; Nov. 15; Serial No. 407,687; published Sept. 6, 1938. Class 6.

Popper-Morson Co., Inc., Jersey City, N. J. Straight bourbon whiskey. 362,365; Nov. 15; Serial No. 407,813; published Sept. 6, 1938. Class 49.

Posner, Alfred, Dorchester, Mass. Pin holding device. 362,155; Nov. 15; Serial No. 400,791; published Aug. 23, 1938. Class 40.

Products In Pictures, Inc., New York, N. Y. Publication. 362,366; Nov. 15; Serial No. 407,814; published Aug. 30, 1938. Class 38.

Professional Laboratories, Inc., New York, N. Y. Brand of lactic acid. 362,484; Nov. 15. Class 6.

Progressive Laboratory Specialties Company. (See Gilbert, Isidore H.)

Pylam Products Company, Inc., New York, N. Y. Dyes and bleaching materials. 362,109; Nov. 15; Serial No. 364,357; published Aug. 30, 1938. Class 6.

Quaker Oats Company, The, Chicago, Ill. Rolled oats. 362,231; Nov. 15; Serial No. 406,029; published Aug. 30, 1938. Class 46.

Quality Brands, Inc., San Francisco, Calif. Wines. 362,201; Nov. 15; Serial No. 404,375; published Sept. 6, 1938. Class 47.

Raab-Meyerhoff, M. H., Co., Inc., Philadelphia, Pa., and New York, N. Y., assignor to James Nelson Limited, England. Shirts, pajamas, and underwear. 362,256; Nov. 15; Serial No. 406,526; published Sept. 6, 1938. Class 39.

Rapid Electrotype Co., The, Cincinnati, Ohio. Matrix or flong used in stereotyping. 362,474; Nov. 15. Class 50.

Raymond, Albert C. S., doing business as Champion Products Co., Orange, Mass. Cleaning preparation. 362,226; Nov. 15; Serial No. 405,935; published Sept. 6, 1938. Class 4.

Regal Paper Co., Inc., Pulaski, N. Y. Aprons. 362,127; Nov. 15; Serial No. 396,337; published Sept. 6, 1938. Class 39.

Reichert, Robert J., doing business as Mirakel Optical Co., Mount Vernon, N. Y. Optical instruments. 362,314; Nov. 15; Serial No. 407,328; published Sept. 6, 1938. Class 26.

Robinson, Oskar, Warsaw, Poland. Canned hams and canned picnic hams. 362,143; Nov. 15; Serial No. 399,727; published Sept. 6, 1938. Class 46.

Roche, Renaud Pharmaceutical Company, Inc., Fairhaven, Mass. Ear medication preparation. 362,188; Nov. 15; Serial No. 403,330; published Aug. 30, 1938. Class 6.

Röhm & Haas Company, Philadelphia, Pa. Printing paste suitable for printing textile fabrics. 362,344; Nov. 15; Serial No. 407,641; published Sept. 6, 1938. Class 6.

Roman Stripe Mills, Inc., Easton, Pa., and New York, N. Y. Hosiery. 362,245; Nov. 15; Serial No. 406,303; published Aug. 16, 1938. Class 39.

Rondeau, H. O., Shoe Co., Inc., Farmington, N. H. Shoes. 362,139; Nov. 15; Serial No. 399,153; published Aug. 23, 1938. Class 39.

Roosen, H. D., Company, Brooklyn, N. Y. Ink compounds. 362,381; Nov. 15; Serial No. 407,992; published Sept. 6, 1938. Class 11.

Rosenstock, H., & Son, Ellenville, N. Y. Creepers, bobby suits, wash suits, etc. 362,512; Nov. 15. Class 39.

Ross, Sydney, Co., The, Newark, N. J. Laxative preparation. 362,334; Nov. 15; Serial No. 407,510; published Aug. 30, 1938. Class 6.

Rudofker's, S., Sons, Philadelphia, Pa. Coats, pants, vests, etc. 362,116; Nov. 15; Serial No. 391,149; published Aug. 30, 1938. Class 39.

Ryerson-Bunty, Inc., New York, N. Y. Art needlework package outfits. 362,308; Nov. 15; Serial No. 407,250; published Aug. 23, 1938. Class 40.

Saks, M. J., Shoe Corp., New York, N. Y. Shoes, slippers, and sandals. 362,191; Nov. 15; Serial No. 403,661; published Aug. 23, 1938. Class 39.

Samette Manufacturing Co., Allentown, Pa. Ladies' slips. 362,481; Nov. 15. Class 39.

Santiago Orange Growers Association, Orange, Calif. Fresh citrus fruit. 362,421; Nov. 15; Serial No. 408,401; published Sept. 6, 1938. Class 46.

Sauer, Albert H., Jr., doing business as A. Sauer & Company, Cincinnati, Ohio. Wrist watch straps and parts therefor. 362,264; Nov. 15; Serial No. 406,658; published Aug. 23, 1938. Class 40.

Schanzenbach, J., & Co., Inc., New York, N. Y. Shampoos and hair ointments. 362,466; Nov. 15; Serial No. 409,059; published Sept. 6, 1938. Class 6.

Schnefel Bros. Corporation, Newark, N. J. Liquid coating for the fingernails. 362,277; Nov. 15; Serial No. 406,985; published Aug. 30, 1938. Class 6.

Schneider, Ph., Brewing Co., Trinidad, Colo. Beer. 362,273; Nov. 15; Serial No. 406,884; published Aug. 30, 1938. Class 48.

Schoeneman, J., Inc., Baltimore, Md. Coats, vests, trousers, etc. 362,354; Nov. 15, 1938. Serial No. 407,740; published Aug. 23, 1938. Class 39.

Schutter Candy Company, Chicago, Ill. Candy. 362,129; Nov. 15; Serial No. 397,198; published Sept. 6, 1938. Class 46.

Schwarz, Oscar, Chicago, Ill. Cigarettes. 362,153; Nov. 15; Serial No. 400,532; published Sept. 6, 1938. Class 17.

Scotch Products Incorporated, New York, N. Y. Thermometer. 362,358; Nov. 15; Serial No. 407,766; published Sept. 6, 1938. Class 26.

Sealy Mattress Co., Sugar Land, Tex., assignor, by mesne assignments to Sealy, Incorporated, North Side, Pittsburgh, Pa. Mattresses. 123,163; renewed Oct. 15, 1938.

Sears, Roebuck and Co., Chicago, Ill. Overcoats and topcoats. 362,122; Nov. 15; Serial No. 394,807; published Sept. 6, 1938. Class 39.

Sears, Roebuck and Co., Chicago, Ill. Household furniture. 362,123; Nov. 15; Serial No. 394,809; published Aug. 30, 1938. Class 32.

Sears, Roebuck and Co., Chicago, Ill. Stamped fancywork. 362,326; Nov. 15; Serial No. 407,442; published Aug. 30, 1938. Class 40.

Sears, Roebuck and Co., Chicago, Ill. Electric horns for use on automobiles, etc. 362,412; Nov. 15; Serial No. 408,327; published Sept. 6, 1938. Class 21.

Seegull Manufacturing Company. (See Segal Brothers, assignor.)

Segal Brothers, assignor to Seegull Manufacturing Company, Philadelphia, Pa. Men's union-suits. 124,263; renewed Jan. 28, 1939.

Seinsheimer, H. A., Company, The, Cincinnati, Ohio. Poplin suits for men and young men. 362,367; Nov. 15; Serial No. 407,825; published Aug. 30, 1938. Class 39.

Seinsheimer, H. A. Company, The, Cincinnati, Ohio. Overcoats or top coats. 362,387; Nov. 15; Serial No. 408,031; published Aug. 23, 1938. Class 39.

Selby Shoe Co., The, Portsmouth, Ohio. Shoes. 362,211; Nov. 15; Serial No. 405,321; published Aug. 9, 1938. Class 39.

Sel-Rite Shoe Co., Marblehead, Mass. Shoes and slippers. 362,140; Nov. 15; Serial No. 399,376; published Apr. 19, 1938. Class 39.

Shapleigh Hardware Company, St. Louis, Mo. Ice-skates. 124,994; renewed Apr. 1, 1939.

Shapleigh Hardware Company, St. Louis, Mo. Measuring and scientific appliances. 124,995; renewed Apr. 1, 1939.

Sherman Paper Products Corporation, Newton, Mass. Paper. 362,328; Nov. 15; Serial No. 407,472; published Sept. 6, 1938. Class 37.

Sherman, Sol, New York, N. Y. Cummerbund or vest. 362,379; Nov. 15; Serial No. 407,920; published Sept. 6, 1938. Class 39.

Sherman, Sol, New York, N. Y. Ties. 362,472; Nov. 15. Class 39.

Shillito, John, Company, The, Cincinnati, Ohio. Men's overcoats, topcoats, and suits. 362,171; Nov. 15; Serial No. 402,316; published Aug. 23, 1938. Class 39.

Siegel-Lyttle, Inc., New York, N. Y. Articles of apparel. 362,183; Nov. 15; Serial No. 402,954; published Aug. 23, 1938. Class 39.

Signode Steel Strapping Company, Chicago, Ill. Package binder cutters, and operating keys therefor. 362,340; Nov. 15; Serial No. 407,609; published Sept. 6, 1938. Class 23.

Simmons Hardware Company, St. Louis, Mo. Coal and wood ranges. 362,241; Nov. 15; Serial No. 406,229; published Sept. 6, 1938. Class 34.

Simone Company Inc., The, New York, N. Y. Brassieres, girdles, corsets, etc. 362,275; Nov. 15; Serial No. 406,947; published Aug. 23, 1938. Class 39.

Smart Deb Frocks, Inc., New York, N. Y. Dresses, suits, coats, etc. 362,247; Nov. 15; Serial No. 406,403; published Aug. 16, 1938. Class 39.

Southern Brewing Company, Tampa, Fla. Beer and ale. 362,487; Nov. 15. Class 48.

Speare Glove Company, Gloversville, N. Y. Leather gloves. 362,471; Nov. 15. Class 39.

Speer, Clyde E., Coal Co., Inc., Pittsburgh, Pa. Coal. 362,298; Nov. 15; Serial No. 407,203; published Sept. 6, 1938. Class 1.

Sperry Flour Company, San Francisco, Calif., assignor, by mesne assignments, to General Mills, Inc., Minneapolis, Minn. Wheat-flour. 124,940; renewed Mar. 25, 1939.

Spitz-Arnstein & Co., Inc., New York, N. Y. Candies. 362,416; Nov. 15; Serial No. 408,357; published Aug. 30, 1938. Class 46.

Spurlock, Jasper J., Los Angeles, Calif. Watches and clocks. 362,207; Nov. 15; Serial No. 405,041; published Sept. 6, 1938. Class 27.

Stafford-Lowdon Company, Fort Worth, Tex. Blank forms for bank drafts, checks, and negotiable instruments. 362,473; Nov. 15. Class 37.

Standard Alcohol Company, Wilmington, Del. Cleaning fluid. 362,401; Nov. 15; Serial No. 408,212; published Aug. 23, 1938. Class 4.

Standard Enamel and Paint Corporation, Indianapolis, Ind. Ready mixed paint. 362,198; Nov. 15; Serial No. 404,190; published Sept. 6, 1938. Class 16.

Stanley, Vanda, doing business as Mme. Vanda, Chicago, Ill. Hand and face lotions. 362,239; Nov. 15; Serial No. 406,199; published Aug. 30, 1938. Class 6.

Sterling Hosiery Co., Chicago, Ill. Sport socks, sweaters; caps; etc. 362,206; Nov. 15; Serial No. 404,962; published Aug. 2, 1938. Class 39.

Stout Control Foundations. (See Dubner, Harry J.)

Superb Glove Co., The, Johnstown, N. Y. Leather gloves. 362,274; Nov. 15; Serial No. 406,891; published Aug. 9, 1938. Class 39.

Surface-Proofing Products, Inc., New York, N. Y. Sound deadening and moisture resisting composition in nature of a paint. 362,333; Nov. 15; Serial No. 407,508; published Sept. 6, 1938. Class 16.

Sutter, Manrico, New York, N. Y. Watches, watchcases, watch parts, etc. 362,490; Nov. 15. Class 27.

Sweetnam, Wilbur S., Peoria, Ill. Tank type water softeners. 362,505; Nov. 15. Class 13.

Tally-Ho Tailors, Inc., New York, N. Y. Ladies' and misses' coats, suits and coat and suit combinations. 362,388; Nov. 15; Serial No. 408,033; published Sept. 6, 1938. Class 39.

Tarr & Wonson, Limited, Gloucester, Mass. Marine finishes. 362,359; Nov. 15; Serial No. 407,773; published Sept. 6, 1938. Class 16.

Thomas, Howard W., Aberdeen, S. Dak. Tooth cleaning solution. 362,462; Nov. 15; Serial No. 408,974; published Sept. 6, 1938. Class 6.

Thompson Products Incorporated, Cleveland, Ohio. Tie rods, and tie rod parts. 362,504; Nov. 15. Class 19.

Thornton, Renee, New York, N. Y. Body tonics, toilet waters, and skin lotions and fresheners. 362,502; Nov. 15. Class 6.

Tioga Mills, Inc., Waverly, N. Y. Therapeutic preparation consisting of essential minerals. 362,118; Nov. 15; Serial No. 392,114; published Aug. 30, 1938. Class 6.

Tober-Saifer Shoe Company, St. Louis, Mo. Women's shoes. 362,377; Nov. 15; Serial No. 407,889; published Sept. 6, 1938. Class 39.

Tobey-Fine Papers, Inc., St. Louis, Mo. Book paper, bond and ledger papers, and index bristols. 362,295; Nov. 15; Serial No. 407,164; published Sept. 6, 1938. Class 37.

Ton-Tex Corporation, Grand Rapids, Mich. Belting. 362,448; Nov. 15; Serial No. 408,772; published Aug. 30, 1938. Class 35.

Torres, Francisco, Juana Diaz, P. R. Hair preparation. 362,215; Nov. 15; Serial No. 405,467; published Aug. 30, 1938. Class 6.

Towle Manufacturing Company, Newburyport, Mass. Silver and silver mounted flatware and hollow ware. 362,252; Nov. 15; Serial No. 406,471; published Aug. 16, 1938. Class 28.

Towle Manufacturing Company, Newburyport, Mass. Silver and silver mounted flatware and hollow ware. 362,253; Nov. 15; Serial No. 406,479; published Aug. 16, 1938. Class 28.

Triangle Underwear Corporation, New York, N. Y. Underwear and slips. 362,144; Nov. 15; Serial No. 399,784; published Sept. 6, 1938. Class 39.

Tusscaps Laboratories. (See Kahn, J. Leon.)

Una Welding, Inc., Cleveland, Ohio. Metal electrodes and metal rods for welding and arc welding. 362,368; Nov. 15; Serial No. 407,828; published Sept. 6, 1938. Class 14.

Underwood, John, & Co., Brooklyn, N. Y. Carbon papers and typewriter ribbons. 362,442; Nov. 15; Serial No. 408,668; published Sept. 6, 1938. Class 11.

Underwood, John, & Co., Brooklyn, N. Y. Carbon papers and typewriter ribbons. 362,443; Nov. 15; Serial No. 408,671; published Sept. 6, 1938. Class 11.

Union Fork & Hoe Company, The, Columbus, Ohio. Axes; thistle, dock, and weed cutters; etc. 362,425; Nov. 15; Serial No. 408,441; published Sept. 6, 1938. Class 23.

Unique Furniture Makers, a division of The J. C. Spach Wagon Works, Winston-Salem, N. C. Chairs and combination cabinet and table. 362,467; Nov. 15; Serial No. 409,074; published Sept. 6, 1938. Class 32.

Universal Atlas Cement Company, Chicago, Ill. Portland cement. 362,228; Nov. 15; Serial No. 405,974; published Aug. 30, 1938. Class 12.

Vanda, Mme. (See Stanley, Vanda.)

Van Lier, Richard, Inc., St. Louis, Mo. Hats and caps. 362,269; Nov. 15; Serial No. 406,788; published Aug. 9, 1938. Class 39.

Vulcan Iron & Wire Works, Detroit, Mich. Floor grating and open steel flooring. 362,355; Nov. 15; Serial No. 407,743; published Aug. 16, 1938. Class 12.

W & S Packing Company, Salinas, Calif. Fresh vegetables. 362,496; Nov. 15. Class 46.

Wagner & Söhne, Naunhof, near Leipzig, Germany. Cotton wearing apparel. 362,162; Nov. 15; Serial No. 401,248; published Aug. 23, 1938. Class 39.

Walgreen Co., Chicago, Ill. Candies. 362,470; Nov. 15. Class 46.

Wall Street Liquor Corp., New York, N. Y. Wines. 362,509; Nov. 15. Class 47.

Wamsutta Mills, New Bedford, Mass. Shirts, shorts, slacks, etc. 362,323; Nov. 15; Serial No. 407,402; published Aug. 16, 1938. Class 39.

Wander, Dr. A., S. A., Bern, Switzerland. Dehydrated vegetable food product. 362,402; Nov. 15; Serial No. 408,222; published Sept. 6, 1938. Class 46.

Ward Baking Company, New York, N. Y. Cakes. 125,110; renewed Apr. 8, 1939.

Warner, David E., Storrs, Conn. Food. 362,119; Nov 15; Serial No. 393,924; published Sept. 6, 1938. Class 46.

Waterbury, S., & Son Company, Inc., Brooklyn, N. Y. Shoes. 362,145; Nov. 15; Serial No. 399,947; published Mar. 15, 1938. Class 39.

Weidman Company, The, Cleveland, Ohio. Coffee. 124,910; renewed Mar. 18, 1939.

Weinberger, Julius A., doing business as The Jawine Company, New York, N. Y. Angora yarn. 362,371; Nov. 15; Serial No. 407,839; published Aug. 30, 1938. Class 43.

Weinstat, Samuel, New York, N. Y. Ladies', misses', and children's shoes. 362,506; Nov. 15. Class 39.

West Coast Manchester Mills, Inc., Los Angeles, Calif. Garments. 362,227; Nov. 15; Serial No. 405,949; published Aug. 2, 1938. Class 39.

West Virginia Coal & Coke Corporation, Cincinnati, Ohio. Coal. 362,508; Nov. 15, 1938. Class. 1.

Westerman-Rosenberg Incorporated, New York, N. Y. Ladies' handbags. 362,370; Nov. 15; Serial No. 407,838; published Sept. 6, 1938. Class 3.

Wilson Brothers, Chicago, Ill. Men's neckties. 362,157–61; Nov. 15; Serial Nos. 401,039–43; published Aug. 30, 1938. Class 39.

Wilson-Page Co., Seattle, Wash. Medicinal preparation. 362,468; Nov. 15; Serial No. 409,076; published Sept. 6, 1938. Class 6.

Winthrop Chemical Company, Inc., New York, N. Y. Chemotherapeutic agent. 362,288; Nov. 15; Serial No. 407,119; published Aug. 30, 1938. Class 6.

Wiswell, Albert G., doing business as Medicus Laboratories Distributors, Arlington, Va. Medicinal tablets. 362,521; Nov. 15. Class 6.

Wohl Shoe Company, St. Louis, Mo. Shoes. 362,115; Nov. 15; Serial No. 385,371; published Aug. 23, 1938. Class 39.

Wolverine Products, Inc., Detroit, Mich. Mints for heartburn and gas. 362,501; Nov. 15. Class 6.

Worcester Salt Company, New York, N. Y. Salt. 362,396; Nov. 15; Serial No. 408,143; published Sept. 6, 1938. Class 46.

Wrape, W. R., Stave Company, Little Rock, Ark. Oak flooring. 362,475; Nov. 15. Class 12.

Zabienek, Sigmund W., Chelsea, Mass. Game. 362,408; Nov. 15; Serial No. 408,294; published Sept. 6, 1938. Class 22.

Zip Manufacturing Co. (See Miller, William E.)

Zoro Company, The. (See Master Brands, Inc.)

LIST OF REGISTRANTS OF LABELS

Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut Cocktailettes with Cheese. For Biscuits. 52,065; Nov. 15.
Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut Rummies. For Candy Drops. 52,066; Nov. 15.
Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut Biscuit Assortment. For Biscuits. 52,067; Nov. 15.
Benner, Nolan P. (See Seiberling, G. F., Schantz, and Benner.)
Bielzoff, D. J., Products Co., Chicago, Ill. Red Horse Old Fashioned Crystallized Rock and Rye. For Rock and Rye. 52,068; Nov. 15.
Blue Ribbon Packing Co. (See Elfenbein, Abraham.)
California Wine Company, Inc., Chicago, Ill. California Pride. For California Muscatel Wine. 52,069; Nov. 15.
Cavalla Tobacco Company, Milwaukee, Wis. Round the World Mixture. For Smoking Tobacco. 52,070; Nov. 15.
Clayton, A. C., Printing Co., St. Louis, Mo. Fine Footwear. For Footwear. 52,071; Nov. 15.
Clayton, A. C., Printing Co., St. Louis, Mo. Exclusive Footwear. For Footwear. 52,072; Nov. 15.
Cobb, Beatrice, doing business as The News-Herald, Morganton, N. C. Women's Full Fashioned Hosiery. For Women's Full Fashioned Hosiery. 52,073; Nov. 15.
Columbia Breweries, Inc., Tacoma, Wash. Alt Heidelberg Brand Premium Pale Beer. For Beer. 52,074; Nov. 15.
Columbia Breweries, Inc., Tacoma, Wash. Columbia Export Beer. For Beer. 52,075; Nov. 15.
Daggett Chocolate Company, Cambridge, Mass. Sylvan. For Chocolates. 52,076; Nov. 15.
Eata Bita Popcorn Co., Emporia, Kans. Eata Bita. For Popcorn. 52,077; Nov. 15.
Elfe Chemical Company. (See Elfenbein, Abraham.)
Elfenbein, Abraham, doing business as Elfe Chemical Company and Blue Ribbon Packing Co., New York, N. Y. Cleo-X. For a Bleaching and Cleaning Compound. 52,078; Nov. 15.
Fairfield Distillery, Incorporated, Bardstown, Ky. Kentucky Wisdom. For Kentucky Straight Bourbon Whiskey. 52,079; Nov. 15.
Finnaren and Haley, Incorporated, Philadelphia, Pa. Egsheen Wall Finish (Light Reflecting). For a Wall Finish. 52,080; Nov. 15.
Finnaren and Haley, Incorporated, Philadelphia, Pa. F '87' H Quick Leveling Enamel. For Enamel. 52,081; Nov. 15.
Ford, Luther, & Company, Minneapolis, Minn. Mrs. Stewart's Concentrated Liquid Bluing, Four Ounce. For Concentrated Liquid Bluing. 52,082; Nov. 15.
Ford, Luther, & Company, Minneapolis, Minn. Mrs. Stewart's Concentrated Liquid Bluing, Ten Ounce. For Concentrated Liquid Bluing. 52,083; Nov. 15.
Fort Clark Corporation, Peoria, Ill. Fort Clark. For Straight Bourbon Whiskey. 52,084; Nov. 15.
Frantz, Charton C., doing busines as The Frantz Company, Pittsburgh, Pa. Better Toast. For Bread. 52,085; Nov. 15.
Frantz, Charton C., doing busines as The Frantz Company, Pittsburgh, Pa. Frantz Bread, Formula 107. For Bread. 52,086; Nov. 15.
General Mills, Inc., Minneapolis, Minn. Dixie Delight Self-Rising Pancake Flour Waffle Flour. For Pancake Flour and Waffle Flour. 52,087; Nov. 15.
Ginger Laboratories, Inc., New York, N. Y. Ryball Pale Dry. For Pale Dry Ginger Ale. 52,088; Nov. 15.
Godchaux Sugars, Inc., New Orleans, La. Godchaux's (Paper Bag). For Sugar. 52,089; Nov. 15.
Godchaux Sugars, Inc., New Orleans, La. Godchaux's (Cloth Bag). For Sugar. 52,090; Nov. 15.
Good Foods, Incorporated, Minneapolis, Minn. Chip Chop. For Peanut Butter with Fragments of Toasted Peanuts Added. 52,091; Nov. 15.
Green Bay Food Co., Green Bay, Wis. L'Art Dill Pickles, For Canned Dill Pickles. 52,092; Nov. 15.
Holland Federal Baking Co., Holland, Mich. Dutch Boy Bread. For Bread. 52,093; Nov. 15.
Indiana Canners Association, Inc., Indianapolis, Ind. Hoosier Standard Tomatoes. For Canned Tomatoes. 52,094; Nov. 15.
Indiana Canners Association, Inc., Indianapolis, Ind. Seal of Quality Hoosier Tomatoes. For Canned Tomatoes. 52,095; Nov. 15.
Markwell Mfg. Co., Inc., New York, N. Y. Markwell RFL Staples. For Staples. 52,096; Nov. 15.
Maxena Co., Baltimore, Md. Gulf Brand. For Baby Rollmops. 52,097; Nov. 15.
Meadolake Foods, Inc., Sherman, Tex. Meadolake Oleomargarine. For Oleomargarine. 52,098; Nov. 15.
Monarch Brewing Company, Chicago, Ill. Monarch (Silver & Red Label). For Beer. 52,099; Nov. 15.
Nannette Manufacturing Company, Philadelphia, Pa. Nannette Toddler Frocks. For Frocks.. 52,100; Nov. 15.
News-Herald, The. (See Cobb, Beatrice.)
Penick & Ford, Ltd. Inc., New York, N. Y. Sugar Glen. For Molasses and Corn Syrup. 52,101; Nov. 15.
Reinhold, Arno, doing business as Reinhold Company, Cleveland, Ohio. Air-Vent Electric Mixer Slip Cover. For Covers for Electric Mixers. 52,102; Nov. 15.
Reinhold, Arno, doing business as Reinhold Company, Cleveland, Ohio. Air-Vent Protecto Food Container. For Food Container Bags. 52,103; Nov. 15.
Rex Research Corporation, Toledo, Ohio. Elec-Trex. For an Insect Spray. 52,104; Nov. 15.
Royal, Thomas M., & Company, Philadelphia, Pa. Coffee. For Coffee. 52,105–10; Nov. 15.
Samuels, T. W., Distillery, Inc., Deatsville, Ky. Samuels Four Decades Brand. For Kentucky Straight Bourbon Whiskey. 52,111; Nov. 15.
Schantz, J. Thos. (See Seiberling, G. F., Schantz, and Benner.)
Scott Paper Company, Chester, Pa. Waldorf Towels. For Paper Towels. 52,112; Nov. 15.
Scott Paper Company, Chester, Pa. Scottissue Towels. For Paper Towels. 52,113; Nov. 15.
Seiberling, Geo. F., J. T. Schantz, and N. P. Benner, trustees of the estate of H. C. Trexler, decreased, doing business as Trexler Farms Division of the Estate of Harry C. Trexler, Allentown, Pa. Buffalo Brand. For Peaches. 52,114; Nov. 15.
Sparklets Corporation, New York, N. Y. Spark Whips. For Nitrous Oxide Filled Bulbs. 52,115; Nov. 15.
Standard Brands Incorporated, New York, N. Y. Chase and Sanborn. For Coffee. 52,116; Nov. 15.
Standard Industrial Products, Inc., Evansville, Ind. Thoro Cleen. For a Solution for Cleaning Auto Radiators and Toilet Bowls. 52,117; Nov. 15.
Sunshine, John, Chemical Co., Inc., Chicago, Ill. John Sunshine Pipe Joint Compound. For Pipe Joint Compound. 52,118; Nov. 15.
Togstad, C. I., Company, The, Kokomo, Ind. Magic. For a Cleaning and Washing Compound. 52,119; Nov. 15.
Togstad, C. I., Company, The, Kokomo, Ind. Mariet. For Toilet Preparations. 52,120; Nov. 15.
Towne, Ahn D., La Feria, Tex. Apex Vitalized Popt Corn. For Canned Popped Corn. 52,121; Nov. 15.
Trexler, Harry C., deceased. (See Seiberling, G. F., Schantz, and Benner, trustees.)

LIST OF REGISTRANTS OF PRINTS

Awful Fresh MacFarlane, Oakland, San Francisco, and Berkeley, Calif. Eat Candy. For Candy and Nuts. 17,115; Nov. 15.
Beech-Nut Packing Company, Canajoharie, N. Y. Beechies. For Chewing Gum. 17,116; Nov. 15.
Burgess Battery Company, Freeport, Ill. Burgess Flashlights. For Flashlights. 17,117; Nov. 15.
Cream of Wheat Corporation, The, Minneapolis, Minn. Grid Hero of 1950. For Wheat Breakfast Food. 17,118; Nov. 15.
Drewrys Limited U. S. A., Inc., South Bend, Ind. Presenting Drewrys 'Pop' Cap. For Ale and Beer. 17,119; Nov. 15.
Flex-O-Glass Mfg. Co., Chicago, Ill. These Samples Were Sprinkled with Water and Left to Dry (Display). For a Glass Substitute. 17,120; Nov. 15.
General Mills, Inc., Minneapolis, Minn. Mother Here's that New Uncooked "Heat-Energy" Breakfast. For Cereal Food. 17,121; Nov. 15.
Gruen Watch Company, The, Cincinnati and Time Hill, Cincinnati, Ohio. Gifts from Your Jeweler are Gifts at Their Best. For Jewelry. 17,122; Nov. 15.
Kaplan Bros., New York, N. Y. A-Tisket A-Tasket. For Artificial Flowers and Baskets Therefor. 17,123; Nov. 15.
Parke, Davis & Company, Detroit, Mich. Parke-Davis Vitamin Products—Know the Maker of Your Vitamins. For Vitamin Products. 17,124; Nov. 15.
Parker Pen Company, The, Janesville, Wis. Burton Holmes Brings Back the Charm of Distant Lands with the Pen That Has What it Takes. For Fountain Pens. Mechanical Pencils and Ink. 17,125; Nov. 15.
Pipe Sterilizer Mfg. Co. (See Volz, Kurt.)
Renking, George F., Evansville, Ind. Come In and Gas With Us We're Just Home Folks! For Gasoline. 17,126; Nov. 15.
Rosenheim, Herman, Miami, Fla. Oil's Well. For Gasoline and Motor Oil. 17,127; Nov. 15.
Sunshine, John, Chemical Co., Inc., Chicago, Ill. John Sunshine Pipe Joint Compound. For Pipe Joint Compound. 17,128; Nov. 15.
Volz, Kurt, doing business as Pipe Sterilizer Mfg. Co., Atlanta, Ga. Dr. K. Volz, Pipe Sterilizer. For Pipe Sterilizers. 17,129; Nov. 15.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Henneberger Lumber & Coal Co. 362,319; Nov. 15; Serial No. 407,377; published Sept. 6, 1938.
Coal. Clyde E. Speer Coal Co. 362,298; Nov. 15; Serial No. 407,203; published Sept. 6, 1938.
Coal. West Virginia Coal & Coke Corporation. 362,508; Nov. 15.
Horses, Arabian. J. M. Dickinson. 362,271; Nov. 15; Serial No. 406,798; published Sept. 6, 1938.
Ice, Artificial. J. J. Markman. 362,210; Nov. 15; Serial No. 405,306; published Sept. 6, 1938.
Leather. B. D. Eisendrath Tanning Co. 362,276; Nov. 15; Serial No. 406,967; published Sept. 6, 1938.
Limestone, Agricultural. Dolese & Shepard Co. 362,199; Nov. 15; Serial No. 404,354; published Sept. 6, 1938.
Sand ingredient, Foundry molding. Illinois Clay Products Co. 362,500; Nov. 15.

CLASS 3

Handbags, Ladies'. Westerman-Rosenberg Incorporated. 362,370; Nov. 15; Serial No. 407,838; published Sept. 6, 1938.
Pocketbooks, Childrens' and misses'. Max Kasnowitz & Sons. 362,385; Nov. 15; Serial No. 408,023; published Aug. 30, 1938.
Pocketbooks or bill folds, Leather. Beach Leather Company. 362,436; Nov. 15; Serial No. 408,560; published Sept. 6, 1938.
Portfolios. S. Borger. 362,360; Nov. 15; Serial No. 407,789; published Aug. 30, 1938.
Suitcases, trunks, hat boxes, etc. Hartmann Trunk Company. 362,342; Nov. 15; Serial No. 407,629; published Sept. 6, 1938.

CLASS 4

Cleaners, Chemical. Anderson Company. 362,172; Nov. 15; Serial No. 402,458; published Sept. 6, 1938.
Cleaning fluid. Standard Alcohol Company. 362,401; Nov. 15; Serial No. 408,212; published Aug. 23, 1938.
Cleaning preparation. A. C. S. Raymond. 362,226; Nov. 15; Serial No. 405,935; published Sept. 6, 1938.
De-icing solutions for windshields, windows, and the like. H & G Research Laboratories, Inc. 362,476; Nov. 15.
Shaving creams. J. V. Lamorte. 362,411; Nov. 15; Serial No. 408,319; published Sept. 6, 1938.
Soaps and soap preparations. Hart Products Corporation. 362,229; Nov. 15; Serial No. 405,988; published Sept. 6, 1938.
Solvent, Cleaning. General Household Necessities Co. 362,441; Nov. 15; Serial No. 408,639; published Sept. 6, 1938.

CLASS 6

Anesthetic. Parke, Davis & Company. 362,456; Nov. 15; Serial No. 408,897; published Sept. 6, 1938.
Antidigestant preparation. Burton-Levin Foundation, Inc. 362,257; Nov. 15; Serial No. 406,547; published Aug. 30, 1938.
Bait, Ant. Lethelin Products Company. 362,460; Nov. 15; Serial No. 408,956; published Sept. 6, 1938.
Body tonics, toilet waters, and skin lotions and fresheners. R. Thornton. 362,502; Nov. 15.
Brand of lactic acid. Professional Laboratories, Inc. 362,484; Nov. 15.
Chemical preparation. J. L. Kahn. 362,281; Nov. 15; Serial No. 407,023; published Aug. 30, 1938.
Chemical substance or mixture used as a lubricant, etc. Celluloid Corporation. 362,317; Nov. 15; Serial No. 407,362; published Sept. 6, 1938.
Chemotherapeutic agent. Winthrop Chemical Company. 362,288; Nov. 15; Serial No. 407,119; published Aug. 30, 1938.
Coating for the fingernails, Liquid. Schnefel Bros. Corporation. 362,277; Nov. 15; Serial No. 406,985; published Aug. 30, 1938.
Cosmetic preparations. Marjorie Monroe Cosmetic Co. 362,204; Nov. 15; Serial No. 404,771; published Aug. 30, 1938.
Cosmetics. M. W. Leeson. 362,294; Nov. 15; Serial No. 407,149; published Sept. 6, 1938.
Cosmetics. J. Pardoll. 362,312; Nov. 15; Serial No. 407,282; published Sept. 6, 1938.
Cough syrup. C. N. McKelvey. 362,364; Nov. 15; Serial No. 407,812; published Sept. 6, 1938.
Cream and face powder, Face. Lady Esther, Ltd. 362,339; Nov. 15; Serial No. 407,595; published Sept. 6, 1938.
Creams, Facial. Elmo, Inc. 362,283; Nov. 15; Serial No. 407,093; published Aug. 30, 1938.
Dandruff remover tonic and dandruff remover shampoo. Four Penny Products Co. 362,235; Nov. 15; Serial No. 406,126; published Aug. 30, 1938.
Deodorant. Fril Laboratories. 362,338; Nov. 15; Serial No. 407,590; published Sept. 6, 1938.
Deodorant, Toilet bowl. Master Brands, Inc. 362,182; Nov. 15; Serial No. 402,733; published Aug. 30, 1938.
Dyes. French Renovating Company. 362,341; Nov. 15; Serial No. 407,615; published Sept. 6, 1938.
Dyes and bleaching materials. Pylam Products Company. 362,109; Nov. 15; Serial No. 364,357; published Aug. 30, 1938.
Dyes and dyestuffs. C. S. Althouse. 362,217–18; Nov. 15; Serial Nos. 405,541–2; published Aug. 30, 1938.
Dyes and dyestuffs. C. S. Althouse. 362,219; Nov. 15; Serial No. 405,544; published Aug. 30, 1938.
Ear medication preparation. Roche, Renaud Pharmaceutical Company. 362,188; Nov. 15; Serial No. 403,330; published Aug. 30, 1938.
Face powders. Bourjois, Inc. 362,164; Nov. 15; Serial No. 401,980; published Aug. 30, 1938.
Fats for textiles, Sulfonated high titre. Hercules Powder Company. 362,445; Nov. 15; Serial No. 408,712; published Aug. 30, 1938.
Hair preparation. F. Torres. 362,215; Nov. 15; Serial No. 405,467; published Aug. 30, 1938.
Hair tonic, Bottles of. P. De Lellis. 362,272; Nov. 15; Serial No. 406,848; published Aug. 30, 1938.
Hematinic preparation, Non-astringent. Drug Products Company. 362,391; Nov. 15; Serial No. 408,053; published Aug. 30, 1938.
Insecticide. C. E. Jones. 362,350; Nov. 15; Serial No. 407,733; published Sept. 6, 1938.
Insecticide or plant spray. Lethelin Products Company. 362,461; Nov. 15; Serial No. 408,957; published Sept. 6, 1938.
Insecticides and hair oil, pure glycerine, etc. W. E. Miller. 362,424; Nov. 15; Serial No. 408,431; published Sept. 6, 1938.
Iodine, milk of magnesia, spirits of camphor, etc. Ford Hopkins Co. 362,189; Nov. 15; Serial No. 403,586; published Sept. 6, 1938.
Lavender water, bath salts and toilet powder. Erasmic Company. 362,169; Nov. 15; Serial No. 402,254; published Aug. 9, 1938.
Laxative preparation. Sydney Ross Co. 362,334; Nov. 15; Serial No. 407,510; published Aug. 30, 1938.
Laxatives. Cal-Par Corporation. 362,300; Nov. 15; Serial No. 407,215; published Aug. 30, 1938.
Lime. General Chemical Company. 362,327; Nov. 15; Serial No. 407,462; published Sept. 6, 1938.
Liniment. Professor Dean's King Cactus Oil Company. 362,357; Nov. 15; Serial No. 407,762; published Aug. 30, 1938.
Liquid used in the treatment of arthritis, rheumatism, etc. R. Kumpula. 362,112; Nov. 15; Serial No. 376,285; published Sept. 6, 1938.
Lotions, Hand and face. V. Stanley. 362,239; Nov. 15; Serial No. 406,199; published Aug. 30, 1938.
Manicure preparation. M. V. C. Laboratories, Inc. 362,306; Nov. 15; Serial No. 407,233; published Sept. 6, 1938.
Medicinal preparation. J. L. Kahn. 362,406; Nov. 15; Serial No. 408,278; published Sept. 6, 1938.
Medicinal preparation. Wilson-Page Co. 362,468; Nov. 15; Serial No. 409,076; published Sept. 6, 1938.
Medicinal tablets. A. G. Wiswell. 362,521; Nov. 15.
Methyl cellulose. Dow Chemical Company. 362,166; Nov. 15; Serial No. 402,088; published Aug. 30, 1938.
Mints for heartburn and gas. Wolverine Products, Inc. 362,501; Nov. 15.
Nail polish, nail wax, powder, etc. Marathon Laboratories, Inc. 362,321; Nov. 15; Serial No. 407,380; published Aug. 30, 1938.
Oxidizing agent and kier-boiling assistant for dyed and printed materials, Protective. National Aniline & Chemical Company. 362,307; Nov. 15; Serial No. 407,238; published Sept. 6, 1938.
Perfume. London House, Ltd. 362,439–40; Nov. 15; Serial Nos. 408,608–9; published Sept. 6, 1938.
Perfumes, toilet water, face powder. M. Babini. 362,335; Nov. 15; Serial No. 407,517; published Sept. 6, 1938.
Pharmaceutical preparation. Castex Laboratories, Inc. 362,349; Nov. 15; Serial No. 407,714; published Aug. 30, 1938.
Powder, Flea. Polk Miller Products Corp. 362,260–1; Nov. 15; Serial Nos. 406,601–2; published Aug. 30, 1938.
Powder to kill lice. H. J. Murphy. 362,464; Nov. 15; Serial No. 409,006; published Sept. 6, 1938.
Preparation for rheumatic relief. Polstray Co. 362,347; Nov. 15; Serial No. 407,687; published Sept. 6, 1938.
Preparation for scalp treatment. Mary and Joseph Montandon, Jr. 362,378; Nov. 15; Serial No. 407,912; published Aug. 30, 1938.
Preparation indicated for treatment of raw, tickling, etc. throat conditions; coughs, etc. Norwich Pharmacal Company. 362,447; Nov. 15; Serial No. 408,759; published Aug. 30, 1938.
Printing paste suitable for printing textile fabrics. Röhm & Haas Company. 362,344; Nov. 15; Serial No. 407,641; published Sept. 6, 1938.
Shampoo, bath and facial preparation. P. G. Brumback. 362,128; Nov. 15; Serial No. 396,760; published Sept. 6, 1938.
Shampoos and hair ointments. J. Schanzenbach & Co. 362,466; Nov. 15; Serial No. 409,059; published Sept. 6, 1938.

Spray, fumigant, Plant. Lethelin Products Company. 362,518; Nov. 15.
Starches. Independent Starch Company. 362,429; Nov. 15; Serial No. 408,502; published Sept. 6, 1938.
Suntan oil, insect repellent preparation. McKesson & Robbins, Incorporated. 362,455; Nov. 15; Serial No. 408,890; published Sept. 6, 1938.
Therapeutic preparation consisting of essential minerals. Tioga Mills, Inc. 362,118; Nov. 15; Serial No. 392,114; published Aug. 30, 1938.
Tooth cleaning solution. H. W. Thomas. 362,462; Nov. 15; Serial No. 408,974; published Sept. 6, 1938.
Vegetable oil for textile finishing, Treated. Hercules Powder Company. 362,446; Nov. 15; Serial No. 408,713; published Aug. 30, 1938.
Veterinary preparations. Korinek Remedy Company. 362,517; Nov. 15.
Waterproofing or preservative compound. Fiba-Seal Chemicals, Inc. 362,174; Nov. 15; Serial No. 402,496; published Aug. 30, 1938.
Water-proofing preparation. Fiba-Seal Chemicals, Inc. 362,176; Nov. 15; Serial No. 402,498; published Aug. 30, 1938.
Waxes and fats for textile finishing, Emulsified combination of. Hercules Powder Company. 362,444; Nov. 15; Serial No. 408,710; published Aug. 30, 1938.

CLASS 8

Cigarette cases. H. Negbaur & Co. Inc. 362,322; Nov. 15; Serial No. 407,384; published Sept. 6, 1938.

CLASS 10

Fertilizers. M. B. McGill. 362,356; Nov. 15; Serial No. 407,760; published Sept. 6, 1938.

CLASS 11

Carbon papers and typewriter ribbons. John Underwood & Co. 362,442; Nov. 15; Serial No. 408,668; published Sept. 6, 1938.
Carbon papers and typewriter ribbons. John Underwood & Co. 362,443; Nov. 15; Serial No. 408,671; published Sept. 6, 1938.
Ink. I. H. Gilbert. 362,451; Nov. 15; Serial No. 408,798; published Sept. 6, 1938.
Ink compounds. H. D. Roosen Company. 362,381; Nov. 15; Serial No. 407,992; published Sept. 6, 1938.

CLASS 12

Brick, Refractory. Laclede-Christy Clay Products Company. 362,369; Nov. 15; Serial No. 407,836; published Aug. 16, 1938.
Bricks and tiles, Ceramic. Ceramiche Piccinelli S. A. 362,137; Nov. 15; Serial No. 398,981; published Aug. 16, 1938.
Cement, Portland. Louisville Cement Company. 362,186; Nov. 15; Serial No. 403,214; published Aug. 30, 1938.
Cement, Portland. Universal Atlas Cement Company. 362,228; Nov. 15; Serial No. 405,974; published Aug. 30, 1938.
Flooring, Oak. National Oak Flooring Manufacturers Association. 362,428; Nov. 15; Serial No. 408,470; published Sept. 6, 1938.
Flooring, Oak. W. R. Wrape Stave Company. 362,475; Nov. 15.
Grating and open steel flooring, Floor. Vulcan Iron & Wire Works. 362,355; Nov. 15; Serial No. 407,743; published Aug. 16, 1938.
Insulation, building and resilient materials, Sound control. Fabricoustic Co. 362,384; Nov. 15; Serial No. 408,014; published Aug. 30, 1938.
Roofing materials. Keasbey & Mattison Company. 362,225; Nov. 15; Serial No. 405,928; published Sept. 6, 1938.
Roofs for storage tanks, Metal. Chicago Bridge & Iron Works. 362,336; Nov. 15; Serial No. 407,535; published Aug. 16, 1938.
Tiles, Wall and floor. Ceramiche Piccinelli S. A. 362,138; Nov. 15; Serial No. 398,982; published Aug. 16, 1938.
Stains for mortars and cement. Pecora Paint Company. 124,140; renewed Jan. 14, 1939.
Water-proofing preparation. Fiba-Seal Chemicals, Inc. 362,175; Nov. 15; Serial No. 402,497; published Sept. 6, 1938.
Weatherstrips, Metal. Andersen Corporation. 362,372; Nov. 15; Serial No. 407,844; published Aug. 30, 1938.

CLASS 13

Hollow-ware, Aluminum cooking. Krome-Alume, Inc. 362,132; Nov. 15; Serial No. 398,074; published Sept. 6, 1938.
Water softeners, Tank type. W. S. Sweetnam. 362,505; Nov. 15.

CLASS 14

Alloys containing nickel. International Nickel Company. 362,168; Nov. 15; Serial No. 402,223; published Sept. 6, 1938.
Electrodes and metal rods for welding and arc welding, Metal. Una Welding, Inc. 362,368; Nov. 15; Serial No. 407,828; published Sept. 6, 1938.
Electrodes, Metallic welding. Lincoln Electric Company. 362,515; Nov. 15.
Sheets and foils having reflecting surfaces, Metal. Arcturus Radio Tube Company. 362,120; Nov. 15; Serial No. 394,117; published Aug. 30, 1938.
Sheets, rods, and wire, and silver solder, Brass, copper, and nonferrous. Chase Brass & Copper Co. Incorporated. 362,478; Nov. 15.

CLASS 15

Candles, Hand dipped. F. Marty & Company. 362,203; Nov. 15; Serial No. 404,675; published Sept. 6, 1938.
Gasoline. J. Cohen & Son. 362,163; Nov. 15; Serial No. 401,333; published Aug. 30, 1938.
Oils and greases, Motor lubricating. Columbia Refining Company. 362,117; Nov. 15; Serial No. 391,746; published Sept. 6, 1938.

CLASS 16

Finishes, Marine. Tarr & Wonson, Limited. 362,359; Nov. 15; Serial No. 407,773; published Sept. 6, 1938
Liquid preparation for surfacing, dressing, etc. floors, and wax and paint removers. American Disinfecting Co. 362,154; Nov. 15; Serial No. 400,675; published Sept. 6, 1938.
Metal used as paint ingredient, Flaked disintegrated. Metals Disintegrating Company. 362,230; Nov. 15; Serial No. 406,026; published Sept. 6, 1938.
Paints, paint enamels, stains, etc. Patterson-Sargent Company. 362,287; Nov. 15; Serial No. 407,109; published Sept. 6, 1938.
Paints, Ready mixed. General Paint Corporation. 362,432; Nov. 15; Serial No. 408,538; published Sept. 6, 1938.
Paint, Ready mixed. Standard Enamel and Paint Corporation. 362,198; Nov. 15; Serial No. 404,190; published Sept. 6, 1938.
Puttles, Sash. William T. Baker Inc. 123,085–6; renewed Oct. 15, 1938.
Sound deadening and moisture resisting composition in nature of a paint. Surface-Proofing Products, Inc. 362,333; Nov. 15; Serial No. 407,508; published Sept. 6, 1938.

CLASS 17

Cigarettes. O. Schwarz. 362,153; Nov. 15; Serial No. 400,532; published Sept. 6, 1938.

CLASS 19

Rods, and tire rod parts, Tie. Thompson Products Incorporated. 362,504; Nov. 15.
Shields and glare reducers, Vehicle. Anderson Company. 362,173; Nov. 15; Serial No. 402,460; published Sept. 6, 1938.

CLASS 21

Horns for use on automobiles, etc., Electric. Sears, Roebuck and Co. 362,412; Nov. 15; Serial No. 408,327; published Sept. 6, 1938.
Lighting fixtures, Electric. Edwin F. Guth Company. 362,223; Nov. 15; Serial No. 405,876; published Sept. 6, 1938.
Radio receivers. Pilot Radio Corporation. 362,187; Nov. 15; Serial No. 403,328; published Sept. 6, 1938.
Telephone sets and impulse senders therefor. Automatic Electric Company. 362,146–8; Nov. 15; Serial Nos. 399,990–2; published Sept. 6, 1938.

CLASS 22

Dolls, stuffed toys, children's play furniture, etc. Joy Doll Corporation. 362,457–9; Nov. 15; Serial Nos. 408,921–3; published Sept. 6, 1938.
Game. S. W. Zabienek. 362,408; Nov. 15; Serial No. 408,294; published Sept. 6, 1938.
Game played with coupons, Number. Gam Sales Company. 362,469; Nov. 15; Serial No. 409,093; published Sept. 6, 1938.
Skates, Ice. Shapleigh Hardware Company. 124,994; renewed Apr. 1, 1939.
Skis and component parts thereof. William J. Beer Company. 362,237; Nov. 15; Serial No. 406,171; published Sept. 6, 1938.

CLASS 23

Axes; thistle, dock, and weed cutters, etc. Union Fork & Hoe Company. 362,425; Nov. 15; Serial No. 408,441; published Sept. 6, 1938.
Cutters, and operating keys therefor, Package binder. Signode Steel Strapping Company. 362,340; Nov. 15; Serial No. 407,609; published Sept. 6, 1938.
Machines for forming apertures in metal. Mid-West Production Engineering, Inc. 362,353; Nov. 15; Serial No. 407,736; published Sept. 6, 1938.
Rakes, forks, hoes, etc. American Fork & Hoe Company. 362,270; Nov. 15; Serial No. 406,794; published Sept. 6, 1938.
Razor blades. Berg Sales Co. 362,422; Nov. 15; Serial No. 408,414; published Sept. 6, 1938.
Reamers, pistons, piston pins, etc. L. O. Beard Tool Company. 362,136; Nov. 15; Serial No. 398,605; published Sept. 6, 1938.
Tractors, including attachments therefor, Power driven. H. Kramer. 362,351; Nov. 15; Serial No. 407,734; published Sept. 6, 1938.
Weaving equipment and hosiery repair machine needles, Fabric repair. Kal-Mendit Company. 362,213; Nov. 15; Serial No. 405,429; published Sept. 6, 1938.

CLASS 25

Locking caps for automobile gasoline tanks. Faith Mfg. Co. 362,453; Nov. 15; Serial No. 408,880; published Sept. 6, 1938.

CLASS 26

Measuring and scientific appliances. Shapleigh Hardware Company. 124,995; renewed Apr. 1, 1939.
Optical instruments. R. J. Reichert. 362,314; Nov. 15; Serial No. 407,328; published Sept. 6, 1938.
Photographic machines, Coin-operated. International Mutoscope Reel Co. Inc. 362,111; Nov. 15; Serial No. 375,391; published Sept. 6, 1938.
Thermometer. Scotch Products Incorporated. 362,358; Nov. 15; Serial No. 407,766; published Sept. 6, 1938.
Thermometers, barometers, and rain-gages. Chaney Manufacturing Company. 123,200; renewed Oct. 22, 1938.

CLASS 27

Watches and clocks. J. J. Spurlock. 362,207; Nov. 15; Serial No. 405,041; published Sept. 6, 1938.
Watches, watchcases, watch parts, etc. M. Sutter. 362,490; Nov. 15.

CLASS 28

Flatware and hollow ware, Silver and silver mounted. Towle Manufacturing Company. 362,252; Nov. 15; Serial No. 406,471; published Aug. 16, 1938.
Flatware and hollow ware, Silver and silver mounted. Towle Manufacturing Company. 362,253; Nov. 15; Serial No. 406,479; published Aug. 16, 1938.
Jewelry. Irons & Russell Company. 362,290; Nov. 15; Serial No. 407,142; published Aug. 16, 1938.
Rings, finger rings, and jewelry, Wedding. Bick & Ostor Company Limited. 362,133; Nov. 15; Serial No. 398,086; published June 7, 1938.

CLASS 31

Filter units for gases or oils, etc. K & S Motor Products, Inc. 362,220; Nov. 15; Serial No. 405,814; published Aug. 30, 1938.
Refrigerator display cases. C. V. Hill and Company. 362,454; Nov. 15; Serial No. 408,884; published Aug. 30, 1938.
Refrigerators, Electric. A. F. Callahan. 362,348; Nov. 15; Serial No. 407,713; published Aug. 30, 1938.

CLASS 32

Cabinets, Filing. General Fireproofing Co. 362,437; Nov. 15; Serial No. 408,569; published Sept. 6, 1938.
Chairs and combination cabinet and table. Unique Furniture Makers, a division of The J. C. Spach Wagon Works. 362,467; Nov. 15; Serial No. 409,074; published Sept. 6, 1938.
Furniture, Household. Sears, Roebuck and Co. 362,123; Nov. 15; Serial No. 394,809; published Aug. 30, 1938.
Mattresses. H. C. Kimpton. 362,313; Nov. 15; Serial No. 407,315; published Aug. 30, 1938.
Mattresses. Sealy Mattress Co. 123,163; renewed Oct. 15, 1938.
Mattresses, box-springs, couches, etc. Burton-Dixie Corporation. 362,431; Nov. 15; Serial No. 408,530; published Sept. 6, 1938.

CLASS 34

Fans, fan and blower exhaust units, etc., Electrical ventilating. Exhaust Fan & Blower Co. 362,477; Nov. 15.
Lamps and parts thereof, and marine lamps. H. Nier. 362,485; Nov. 15.
Ranges, Coal and wood. Simmons Hardware Company. 362,241; Nov. 15; Serial No. 406,229; published Sept. 6, 1938.
Ventilators, Air diffusers and aspirators, Fan-driven. Anemostat Corporation of America. 362,232; Nov. 15; Serial No. 406,041; published Sept. 6, 1938.
Ventilators, Forced draft attic. Allan Engineering Company. 362,209; Nov. 15; Serial No. 405,283; published Sept. 6, 1938.

CLASS 35

Belting. Ton-Tex Corporation. 362,448; Nov. 15; Serial No. 408,772; published Aug. 30, 1938.
Packing, Machinery. Greene, Tweed & Co. 362,452; Nov. 15; Serial No. 408,799; published Aug. 30, 1938.
Piston rings, Metal. Perfect Circle Company. 362,434–5; Nov. 15; Serial Nos. 408,546–7; published Sept. 6, 1938.
Tires and retreaded pneumatic tires, Pneumatic. J. C. Heintz. 362,465; Nov. 15; Serial No. 409,035; published Sept. 6, 1938.
Tires, Pneumatic. General Tire & Rubber Company. 362,113; Nov. 15; Serial No. 378,886; published Sept. 6, 1938.
Tires, Pneumatic. Grenadier Products Inc. 362,463; Nov. 15; Serial No. 409,001; published Sept. 6, 1938.

CLASS 37

Forms for bank drafts, checks, and negotiable instruments, Blank. Stafford-Lowdon Company. 362,473; Nov. 15.
Paper. Sherman Paper Products Corporation. 362,328; Nov. 15; Serial No. 407,472; published Sept. 6, 1938.
Paper, bond and ledger papers, and index bristols, Book. Tobey-Fine Papers, Inc. 362,295; Nov. 15; Serial No. 407,164; published Sept. 6, 1938.
Paper, Printing and writing. Graham Paper Company. 362,404; Nov. 15.
Paper tape, Gummed. Gummed Products Company. 362,325; Nov. 15; Serial No. 407,431; published Sept. 6, 1938.
Paper, Wrapping. Columbia River Paper Mills. 362,242; Nov. 15; Serial No. 406,241; published Sept. 6, 1938.
Paper, Writing and typewriting. Goldsmith Bros. 362,309; Nov. 15; Serial No. 407,262; published Sept. 6, 1938.

CLASS 38

Books, letters, and circulars. E. B. Galloway. 362,194; Nov. 15; Serial No. 404,040; published Sept. 6, 1938.
Books, Travelogue. J. J. Augustin. 362,296; Nov. 15; Serial No. 407,179; published Sept. 6, 1938.
Magazine. T. R. Costerisan. 362,390; Nov. 15; Serial No. 408,051; published Aug. 30, 1938.
Magazine. Fawcett Publications, Inc. 362,374–5; Nov. 15; Serial Nos. 407,856–7; published Aug. 30, 1938.
Magazine. Hearst Magazines Inc. 362,185; Nov. 15; Serial No. 403,042; published Sept. 6, 1938.
Newspaper. Daily Mirror, Inc. 362,214; Nov. 15; Serial No. 405,438; published Sept. 6, 1938.
Pamphlet. Bulletin Record Publishing Co. 362,238; Nov. 15; Serial No. 406,172; published Aug. 30, 1938.
Periodical. Blue Valley Farmer Co. 362,251; Nov. 15; Serial No. 406,441; published Aug. 30, 1938.
Periodical. W. O. Deringer. 362,383; Nov. 15; Serial No. 408,011; published Aug. 30, 1938.
Periodical publication. Products In Pictures, Inc. 362,366; Nov. 15; Serial No. 407,814; published Aug. 30, 1938.
Photographs adapted to present the appearance of moving pictures. Grant Photo Corporation. 362,398; Nov. 15; Serial No. 408,159; published Sept. 6, 1938.
Publication. Butchers' Advocate Co. 362,278; Nov. 15; Serial No. 407,005; published Sept. 6, 1938.
Publication. Farm and Grove Syndicate, Inc. 362,346; Nov. 15; Serial No. 407,668; published Sept. 6, 1938.

CLASS 39

Apparel, Articles of. Siegel-Lyttle, Inc. 362,183; Nov. 15; Serial No. 402,954; published Aug. 23, 1938.
Apparel, Cotton wearing. Wagner & Söhne. 362,162; Nov. 15; Serial No. 401,248; published Aug. 23, 1938.
Apparel for women and children, Wearing. Hattie Carnegie, Inc. 362,510; Nov. 15.
Apparel, Outer. National Shirt Shops of Delaware, Inc. 362,205; Nov. 15; Serial No. 404,904; published Sept. 6, 1938.
Apparel, Women's wearing. O. J. de Lendrecie Company. 362,197; Nov. 15; Serial No. 404,122; published Aug. 23, 1938.
Aprons. Regal Paper Co. 362,127; Nov. 15; Serial No. 396,337; published Sept. 6, 1938.
Blouses, dresses, shirts, etc. Livingston & Lieberman. 362,386; Nov. 15; Serial No. 408,024; published Sept. 6, 1938.
Boots of rubber. Goodall Rubber Company. 362,489; Nov. 15.
Brassières, corselets, and girdles. Gem-Dandy Garter Co. 362,479; Nov. 15.
Brassières, girdles, and corsets. Hirschberg-Schutz & Co. 362,224; Nov. 15; Serial No. 405,927; published Aug. 2, 1938.
Brassières, girdles, corsets, etc. Simone Company Inc. 362,275; Nov. 15; Serial No. 406,947; published Aug. 23, 1938.
Caps, hoods, hockey caps, etc. Friedman Blau Farber Company. 362,310; Nov. 15; Serial No. 407,264; published Aug. 23, 1938.
Clothing and furnishings, Men's. Kaufmann Department Stores, Inc. 362,497; Nov. 15.
Coats and overcoats. Lord & Taylor. 362,311; Nov. 15; Serial No. 407,272; published Aug. 16, 1938.
Coats and suits. Gordon V. Lyons, Inc. 362,352; Nov. 15; Serial No. 407,735; published Sept. 6, 1938.
Coats and suits, Ladies'. Becker Cloak Co. 362,382; Nov. 15; Serial No. 408,003; published Aug. 23, 1938.
Coats and suits, Ladies', misses', and juniors'. Lefkove & Meyers. 362,343; Nov. 15; Serial No. 407,634; published Aug. 16, 1938.
Coats and top coats; jackets; etc. Burberrys Limited. 362,134; Nov. 15; Serial No. 398,456; published Sept. 6, 1938.
Coats and top coats; jackets; etc. Burberrys Limited. 362,135; Nov. 15; Serial No. 398,458; published Sept. 6, 1938.
Coats, capes, and jackets, Dyed coney. Fish & Kimmel, Inc. 362,221; Nov. 15; Serial No. 405,834; published Sept. 6, 1938.
Coats, pants, vests, etc. S. Rudofker's Sons. 362,116; Nov. 15; Serial No. 391,149; published Aug. 30, 1938.
Coats, suits and coat and suit combinations, Ladies' and misses'. Tally-Ho Tailors, Inc. 362,388; Nov. 15; Serial No. 408,033; published Sept. 6, 1938.
Coats, vests, trousers, etc. J. Schoeneman, Inc. 362,354; Nov. 15; Serial No. 407,740; published Aug. 23, 1938.
Coats, Women's fur. Eastern Quality Corp. 362,216; Nov. 15; Serial No. 405,490; published Sept. 6, 1938.
Corsets. Kresge Department Stores, Inc. 362,513; Nov. 15.

Corsets, girdles, and combination corsets and brassières. H. W. Gossard Co. 362,318; Nov. 15; Serial No. 407,375; published Aug. 30, 1938.
Creepers, bobby suits, wash suits, etc. H. Rosenstock & Son. 362,512; Nov. 15.
Cummerbund or vest. S. Sherman. 362,379; Nov. 15; Serial No. 407,920; published Sept. 6, 1938.
Diapers. Commercial Shirt Corporation. 362,266; Nov. 15; Serial No. 406,750; published Aug. 30, 1938.
Dresses. Isaac Ginsberg & Bros., Inc. 362,255; Nov. 15; Serial No. 406,509; published Aug. 16, 1938.
Dresses. Goldman Frock Co. 362,520; Nov. 15.
Dresses. Irwin, Hopwood & Company. 362,297; Nov. 15; Serial No. 407,187; published Aug. 16, 1938.
Dresses of woven fabrics. Klever Kiad Frocks, Inc. 362,315; Nov. 15; Serial No. 407,351; published Aug. 16, 1938.
Dresses, suits, coats, etc. Smart Deb Frocks, Inc. 362,247; Nov. 15; Serial No. 406,403; published Aug. 16, 1938.
Foundations, girdles, and corsets. Bullock's, Inc. 362,403; Nov. 15; Serial No. 408,232; published Sept. 6, 1938.
Garments. West Coast Manchester Mills, Inc. 362,227; Nov. 15; Serial No. 405,949; published Aug. 2, 1938.
Garments, Children's and infants'. J. R. Lankenau. 362,480; Nov. 15.
Garments, corsets, brassières, etc., Foundation. Clear Weave Hosiery Stores, Inc. 362,233; Nov. 15; Serial No. 406,048; published Aug. 23, 1938.
Garments, Foundation. H. J. Dubner. 362,495; Nov. 15.
Girdles, corselettes, brassières, and bandeaux. Maidwell Brassiere & Corset Co. 362,125; Nov. 15; Serial No. 396,605; published Aug. 23, 1938.
Gloves. Fownes Brothers & Co. Inc. 362,265; Nov. 15; Serial No. 406,709; published Aug. 9, 1938.
Gloves. Hansen Glove Corporation. 362,359; Nov. 15; Serial No. 406,585; published Aug. 23, 1938.
Gloves, Leather. Speare Glove Company. 362,471; Nov. Nov. 15.
Gloves, Leather. Superb Glove Co. 362,274; Nov. 15; Serial No. 406,891; published Aug. 9, 1938.
Gloves, shoes, slippers, etc. Oppenheim, Collins & Co. Inc. 362,483; Nov. 15.
Handkerchiefs. American Import Company. 362,400; Nov. 15; Serial No. 408,182; published Sept. 6, 1938.
Hat bodies and hats for women and children. Henry Pollak, Inc. 362,486; Nov. 15.
Hats. Alanson Hats Inc. 362,516; Nov. 15.
Hats and caps. Richard Van Lier, Inc. 362,269; Nov. 15; Serial No. 406,788; published Aug. 9, 1938.
Hats for children, misses, and ladies. S. I. Hyman. 362,202; Nov. 15; Serial No. 404,475; published Sept. 6, 1938.
Hats, Ladies', women's, and misses'. Best & Co. 362,267; Nov. 15; Serial No. 406,751; published Aug. 23, 1938.
Hats, Men's. Adam Hat Stores, Inc. 362,243; Nov. 15; Serial No. 406,271; published Aug. 2, 1938.
Hats, Mens. Capson Hat Co. 362,212; Nov. 15; Serial No. 405,343; published Aug. 9, 1938.
Hats, Mens. Favorite Panama Hat Co., Inc. 362,284; Nov. 15; Serial No. 407,094; published Aug. 23, 1938.
Hats, Misses' and children's. Betty-Ann Hats, Inc. 362,165; Nov. 15; Serial No. 402,084; published Aug. 2, 1938.
Hats, shoes; gloves; etc., Ladies' and misses'. Jay-Thorpe, Inc. 362,170; Nov. 15; Serial No. 402,299; published Aug. 2, 1938.
Hats, Women's. Bonwit Teller, Inc. 362,262; Nov. 15; Serial No. 406,607; published Aug. 9, 1938.
Hats, Women's. Wm. Knowlton & Sons Company. 362,200; Nov. 15; Serial No. 404,367; published Aug. 23, 1938.
Hose, Men's. W. T. Grant Company. 362,301; Nov. 15; Serial No. 407,221; published Aug. 16, 1938.
Hosiery. Brown Durrell Co. 362,361; Nov. 15; Serial No. 407,791; published Sept. 6, 1938.
Hosiery. Cannon Mills Company. 362,389; Nov. 15; Serial No. 408,048; published Aug. 30, 1938.
Hosiery. Contour Hosiery Mills. 362,234; Nov. 15; Serial No. 406,122; published Aug. 16, 1938.
Hosiery. Interwoven Stocking Company. 362,240; Nov. 15; Serial No. 406,218; published Sept. 6, 1938.
Hosiery. Le Roi Hosiery Co. 362,181; Nov. 15; Serial No. 402,685; published Aug. 30, 1938.
Hosiery. Roman Stripe Mills, Inc. 362,245; Nov. 15; Serial No. 406,303; published Aug. 16, 1938.
Hosiery, gloves, dresses, etc. Best & Co. 362,249; Nov. 15; Serial No. 406,414; published Aug. 30, 1938.
Jackets and garments for covering the lower portion of the body and legs, Ladies' and children's. F. C. Barnard. 362,482; Nov. 15.
Jackets, ski jackets, and raincoats, Golf. Axel, Limited. 362,248; Nov. 15; Serial No. 406,413; published Aug. 30, 1938.
Neckties. W. Isaac. 362,268; Nov. 15; Serial No. 406,761; published Aug. 23, 1938.
Neckties and cravats. Hut Neckwear Co, 362,320; Nov. 15; Serial No. 407,378; published Sept. 6, 1938.
Neckties, Men's. Wilson Brothers. 362,157–61; Nov. 15; Serial Nos. 401,039–43; published Aug. 30, 1938.
Overalls. Carson Pirie Scott & Company. 362,246; Nov. 15; Serial No. 406,372; published Aug. 16, 1938.
Overcoats and topcoats. Eagle Clothes. 362,362; Nov. 15; Serial No. 407,799; published Aug. 30, 1938.
Overcoats and topcoats. Sears, Roebuck and Co. 362,122; Nov. 15; Serial No. 394,807; published Sept. 6, 1938.
Overcoats or top coats. H. A. Seinsheimer Company. 362,387; Nov. 15; Serial No. 408,031; published Aug. 23, 1938.
Overcoats, topcoats, and suits. John Shillito Company. 362,171; Nov. 15; Serial No. 402,316; published Aug. 23, 1938.
Pajamas and men's shorts. B. V. D. Corporation. 362,299; Nov. 15; Serial No. 407,211; published Aug. 30, 1938.
Pajamas, nightgowns, house coats, etc. Eastern Isles Importing Co. 362,324; Nov. 15; Serial No. 407,428; published Aug. 23, 1938.
Shirt and underwear, Combination polo. Globe Knitting Works. 362,363; Nov. 15; Serial No. 407,807; published Aug. 30, 1938.
Shirts, pajamas, and underwear. M. H. Raab-Meyerhoff Co. 362,256; Nov. 15; Serial No. 406,526; published Sept. 6, 1938.
Shirts, shorts, slacks, etc. Wamsutta Mills. 362,323; Nov. 15; Serial No. 407,402; published Aug. 16, 1938.
Shoes. Brown Shoe Company. 362,373; Nov. 15; Serial No. 407,850; published Aug. 30, 1938.
Shoes. Converse Rubber Company. 362,196; Nov. 15; Serial No. 404,121; published Aug. 23, 1938.
Shoes. Cort Shoes, Inc. 362,177; Nov. 15; Serial No. 402,667; published Aug. 9, 1938.
Shoes. Craddock Terry Company. 362,192; Nov. 15; Serial No. 403,757; published Aug. 9, 1938.
Shoes. Juvenile Shoe Corporation of America. 362,244; Nov. 15; Serial No. 406,294; published Aug. 2, 1938.
Shoes. M. Kleinfeld. 362,511; Nov. 15.
Shoes. Metropolitan Shoemakers, Inc. 362,121; Nov. 15; Serial No. 394,340; published Aug. 9, 1938.
Shoes. H. O. Rondeau Shoe Co. 362,139; Nov. 15; Serial No. 399,153; published Aug. 23, 1938.
Shoes. Selby Shoe Co. 362,211; Nov. 15; Serial No. 405,321; published Aug. 9, 1938.
Shoes. S. Waterbury & Son Company. 362,145; Nov. 15; Serial No. 399,947; published Mar. 15, 1938.
Shoes. Wohl Shoe Company. 362,115; Nov. 15; Serial No. 385,371; published Aug. 23, 1938.
Shoes and slippers. A. S. Beck Shoe Corporation. 362,254; Nov. 15; Serial No. 406,490; published Aug. 9, 1938.
Shoes and slippers. A. S. Beck Shoe Corporation. 362,282; Nov. 15; Serial No. 407,084; published Aug. 9, 1938.
Shoes and slippers. Sel-Rite Shoe Co. 362,140; Nov. 15; Serial No. 399,376; published Apr. 19, 1938.
Shoes, Children's. M. H. Bachman Shoe Co. 362,151; Nov. 15; Serial No. 400,152; published Jan. 25, 1938.
Shoes, Children's. Goldblatt Bros. Inc. 362,156; Nov. 15; Serial No. 400,967; published Aug. 23, 1938.
Shoes, Ladies', misses' and children's. S. Weinstat. 362,506; Nov. 15.
Shoes, Men's. Commonwealth Shoe and Leather Company. 362,498; Nov. 15.
Shoes, slippers, and sandals. M. J. Saks Shoe Corp. 362,191; Nov. 15; Serial No. 403,661; published Aug. 23, 1938.
Shoes, Women's. A. Garside & Sons. 362,279; Nov. 15; Serial No. 407,017; published Aug. 30, 1938.
Shoes, Women's. R. H. Macy & Co. 362,285–6; Nov. 15; Serial Nos. 407,100–1; published Aug. 9, 1938.
Shoes, Women's. Tober-Saifer Shoe Company. 362,377; Nov. 15; Serial No. 407,889; published Sept. 6, 1938.
Shorts and shirts, blouses, etc., Outer. Gladding's Inc. 362,236; Nov. 15; Serial No. 406,129; published Aug. 2, 1938.
Skirts, waists, suits, etc. Lorraine Manufacturing Company. 362,376; Nov. 15; Serial No. 407,869; published Aug. 23, 1938.
Slips, Ladies'. Samette Manufacturing Co. 362,481; Nov. 15.
Slips, petticoats, nightgowns, etc. Patricia Petticoat Co. 362,258; Nov. 15; Serial No. 406,561; published Aug. 23, 1938.
Slips, Women's. Allied Stores Corporation. 362,193; Nov. 15; Serial No. 403,889; published Aug. 30, 1938.
Socks, sweaters, caps, etc., Sport. Sterling Hosiery Co. 362,206; Nov. 15; Serial No. 404,962; published Aug. 2, 1938.
Suits, Children's play. Marshall Field & Company. 362,414; Nov. 15; Serial No. 408,344; published Sept. 6, 1938.
Suits, coats, and trousers, etc. Levy Bros. & Adler Rochester, Incorporated. 362,415; Nov. 15; Serial No. 408,349; published Sept. 6, 1938.
Suits for men and young men, Poplin. H. A. Seinsheimer Company. 362,367; Nov. 15; Serial No. 407,825; published Aug. 30, 1938.
Suits, Men's and boys'. Levy Bros. & Adler Rochester, Incorporated. 362,302; Nov. 15; Serial No. 407,228; published Aug. 16, 1938.
Suits, Men's and boys'. Levy Bros. & Adler Rochester, Incorporated. 362,303–5; Nov. 15; Serial Nos. 407,229–31; published Sept. 6, 1938.
Suits, Men's union. Segal Brothers. 124,263; renewed Jan. 28, 1939.
Suits, overcoats, and topcoats. B. Gertz, Inc. 362,131; Nov. 15; Serial No. 397,903; published Aug. 30, 1938.

Suits, overcoats, topcoats, etc. Barney's Clothes, Inc. 362,397; Nov. 15; Serial No. 408,149; published Aug. 30, 1938.
Suits, topcoats, raincoats, etc. Lamm Brothers, Incorporated. 362,250; Nov. 15; Serial No. 406,425; published Sept. 6, 1938.
Sweaters and women's, misses', and children's knitted suits, Knitted. New York Knitting Mills, Inc. 362,395; Nov. 15; Serial No. 408,127; published Sept. 6, 1938.
Ties. S. Sherman. 362,472; Nov. 15.
Topcoats. New Process Company. 362,514; Nov. 15.
Trousers. J. M. Haggar. 362,418; Nov. 15; Serial No. 408,383; published Sept. 6, 1938.
Trousers. J. C. Penney Company. 362,222; Nov. 15; Serial No. 405,857; published Sept. 6, 1938.
Underwear and slips. Triangle Underwear Corporation. 362,144; Nov. 15; Serial No. 399,784; published Sept. 6, 1938.
Underwear, pajamas, nightgowns, etc. Dutchess Underwear Corporation. 362,337; Nov. 15; Serial No. 407,584; published Aug. 16, 1938.

CLASS 40

Combs. American Hard Rubber Company. 362,330; Nov. 15; Serial No. 407,485; published Aug. 9, 1938.
Curlers and bob pins, Hair. R. T. Plate. 362,331–2; Nov. 15; Serial Nos. 407,503–4; published Aug. 30, 1938.
Dress shields. I. B. Kleinert Rubber Company. 362,292–3; Nov. 15; Serial Nos. 407,146–7; published Aug. 9, 1938.
Fancywork, Stamped. Sears, Roebuck and Co. 362,326; Nov. 15; Serial No. 407,442; published Aug. 30, 1938.
Hair roll foundations. Glemby Company. 362,488; Nov. 15.
Laces, Shoe. Hughes Fawcett, Inc. 362,141; Nov. 15; Serial No. 399,560; published Aug. 30, 1938.
Needlework package outfits, Art. Ryerson-Bunty, Inc. 362,308; Nov. 15; Serial No. 407,250; published Aug. 23, 1938.
Pin holding device. A. Posner. 362,155; Nov. 15; Serial No. 400,791; published Aug. 23, 1938.
Shields, Dress. I. B. Kleinert Rubber Company. 362,208; Nov. 15; Serial No. 405,258; published Aug. 9, 1938.
Shields, Dress. I. B. Kleinert Rubber Company. 362,409–10; Nov. 15; Serial Nos. 408,317–18; published Sept. 6, 1938.
Straps and parts therefor, Wrist watch. A. H. Sauer, Jr. 362,264; Nov. 15; Serial No. 406,658; published Aug. 23, 1938.

CLASS 42

Cotton piece goods. B. B. & R. Knight. 124,729–33; renewed Mar. 11, 1939.

CLASS 43

Thread and yarn. American Bemberg Corporation. 362,178–80; Nov. 15; Serial Nos. 402,669–71; published Aug. 30, 1938.
Yarn. Heirloom Needlecraft Guild, Inc. 362,280; Nov. 15; Serial No. 407,022; published Aug. 16, 1938.
Yarn, Angora. J. A. Weinberger. 362,371; Nov. 15, Serial No. 407,839; published Aug. 30, 1938.
Yarns, Knitting. Monarch Knitting Co. 362,114; Nov. 15; Serial No. 383,848; published Aug. 23, 1938.

CLASS 44

Orangewood sticks, nail buffers, emery boards, etc. Columbia Manicure Mfg. Co. 362,438; Nov. 15; Serial No. 408,595; published Sept. 6, 1938.

CLASS 45

Beverage. Virginia Dare Extract Company. 362,417; Nov. 15; Serial No. 408,376; published Sept. 6, 1938.
Beverages, Carbonated. Aren Beverage & Spring Water Co. 362,449; Nov. 15; Serial No. 408,778; published Sept. 6, 1938.

CLASS 46

Apples, Fresh. J. F. Ambrose. 362,503; Nov. 15.
Beans in chili gravy, Mexican style. Gibson Canning Company. 362,499; Nov. 15.
Bread. E. Nordby. 362,110; Nov. 15; Serial No. 375,093; published Mar. 8, 1938.
Bulking agent to be added to powdered malter milk. James A. Harper Supply Co. 362,394; Nov. 15; Serial No. 408,100; published Sept. 6, 1938.
Cakes. Ward Baking Company. 125,110; renewed Apr. 8, 1939.
Candy. Schutter Candy Company. 362,129; Nov. 15; Serial No. 397,198; published Sept. 6, 1938.
Candy bars. Euclid Candy Co. of California, Inc. 362,289; Nov. 15; Serial No. 407,137; published Sept. 6, 1938.
Candies. Spitz-Arnstein & Co. 362,416; Nov. 15; Serial No. 408,357; published Aug. 30, 1938.
Candies. Walgreen Co. 362,470; Nov. 15.
Canned corn and red beans, canned red kidney-beans, etc. Inderrieden Canning Co. 123,132; renewed Oct. 15, 1938.
Canned foods. Fremont Canning Company. 362,108; Nov. 15; Serial No. 354,288; published Sept. 6, 1938.

Canned fruits. Hearst Sunical Land and Packing Corporation. 362,152; Nov. 15; Serial No. 400,399; published Sept. 6, 1938.
Canned goods. Inderrieden Canning Co. 123,354; renewed Oct. 29, 1938.
Canned ham and canned picnic hams. O. Robinson. 362,143; Nov. 15; Serial No. 399,727; published Sept. 6, 1938.
Celery seasoning, canned vegetable juices, and canned fruit juices. Lindsay-Nile Products, Inc. 362,167; Nov. 15; Serial No. 402,192; published Sept. 6, 1938.
Cheese, Cream. Abbotts Dairies, Incorporated. 362,426; Nov. 15; Serial No. 408,444; published Aug. 30, 1938.
Coffee. Kobacker Stores, Inc. 362,507; Nov. 15.
Coffee. Weidman Company. 124,910; renwed Mar. 18, 1939.
Cones, Ice cream. Maryland Baking Company. 362,427; Nov. 15; Serial No. 408,467; published Aug. 30, 1938.
Confections, Frozen. Joe Lowe Corporation. 362,419; Nov. 15; Serial No. 408,391; published Sept. 6, 1938.
Extracts, Food flavoring. McCormick & Company. 362,407; Nov. 15; Serial No. 408,283; published Sept. 6, 1938.
Feed for cattle, sheep, hogs, etc. Glidden Company. 362,149; Nov. 15; Serial No. 400,003; published Sept. 6, 1938.
Feed, Pig and hog. Cosby-Hodges Milling Co. Inc. 362,124; Nov. 15; Serial No. 395,109; published Aug. 30, 1938.
Feeds, Livestock. Allied Mills, Inc. 362,345; Nov. 15; Serial No. 407,653; published Sept. 6, 1938.
Feeds, Mixed. El Campo Rice Milling Company. 362,184; Nov. 15; Serial No. 402,967; published Sept. 6, 1938.
Flour. Kansas Flour Mills Corporation. 362,433; Nov. 15; Serial No. 408,541; published Sept. 6, 1938.
Flour, Wheat. Sperry Flour Company. 124,940; renewed Mar. 25, 1939.
Food. D. E. Warner. 362,119; Nov. 15; Serial No. 393,924; published Sept. 6, 1938.
Food, Poultry. Albers Bros. Milling Co. 362,329; Nov. 15; Serial No. 407,482; published Aug. 30, 1938.
Food product, Dehydrated vegetable. Dr. A. Wander, S. A. 362,402; Nov. 15, 1938. Serial No. 408,222; published Sept. 6, 1938.
Foods. Abraham & Straus. 122,664; renewed Sept. 10, 1938.
Fruit, Fresh citrus. W. Daniels. 362,263; Nov. 15; Serial No. 406,624; published Aug. 30, 1938.
Fruit, Fresh citrus. Santiago Orange Growers Association. 362,421; Nov. 15; Serial No. 408,401; published Sept. 6, 1938.
Fruit juices, Frozen. California Consumers Corporation. 362,492; Nov. 15, 1938.
Fruit juices, frozen fruits, and frozen vegetables, Frozen. California Consumers Corporation. 362,493; Nov. 15; 1938.
Fruits. Apples & Pears, Inc. 362,392; Nov. 15; Serial No. 408,081; published Sept. 6, 1938.
Fruits and frozen vegetables, Frozen. California Consumers Corporation. 362,491; Nov. 15, 1938.
Gum and a product thereof, Chewing. Frank H. Fleer Corporation. 125,047; renewed Apr. 8, 1939.
Gum, Candy coated chewing. Clark Brothers Chewing Gum Company. 362,423; Nov. 15; Serial No. 408,418; published Sept. 6, 1938.
Melons, Fresh. G. G. Averill. 362,393; Nov. 15; Serial No. 408,082; published Sept. 6, 1938.
Milk, Evaporated. Acme Markets, Inc. 362,430; Nov. 15; Serial No. 408,525; published Aug. 30, 1938.
Milk for cream filling, cakes, and bread, Powdered. Jaburg Brothers, Inc. 362,291; Nov. 15; Serial No. 407,143; published Sept. 6, 1938.
Oats, Rolled. Quaker Oats Company. 362,231; Nov. 15; Serial No. 406,029; published Aug. 30, 1938.
Oranges. Placentia Mutual Orange Association. 124,874; renewed Mar. 18, 1939.
Pop corn, Buttered and candied. American Pop Corn Company. 362,380; Nov. 15; Serial No. 407,932; published Sept. 6, 1938.
Salt. Worcester Salt Company. 362,396; Nov. 15; Serial No. 408,143; published Sept. 6, 1938.
Sausages and sausages, Pork. Severino Abuin y Compañia. 362,195; Nov. 15; Serial No. 404,059; published Sept. 6, 1938.
Vegetables, Fresh. W & S Packing Company. 362,496; Nov. 15.

CLASS 47

Wines. Federal Wine & Liquor Co. 362,142; Nov. 15; Serial No. 399,653; published Sept. 6, 1938.
Wines. Petri Cigar Co. 362,126 Nov. 15; Serial No. 396,370; published Sept. 6, 1938.
Wines. Quality Brands, Inc. 362,201; Nov. 15; Serial No. 404,375; published Sept. 6, 1938.
Wines. Wall Street Liquor Corp. 362,509; Nov. 15.

CLASS 48

Beer. Miller Brewing Company. 362,399; Nov. 15; Serial No. 408,164; published Sept. 6, 1938.
Beer. Ph. Schneider Brewing Co. 362,273; Nov. 15; Serial No. 406,884; published Aug. 30, 1938.
Beer, ale, and porter. Horlacher Brewing Company. 362,519; Nov. 15.
Beer and ale. Southern Brewing Company. 362,487; Nov. 15.

CLASS 49

Liqueur. C. Holmgaard. 302,130; Nov. 15; Serial No. 397,407; published Sept. 6, 1938.
Whiskey. Blair Distilling Company. 362,413; Nov.15; Serial No. 408,339; published Sept. 6, 1938.
Whiskey. London & Co. 362,190; Nov. 15; Serial No. 403,595; published Aug. 30, 1938.
Whiskey, Bourbon. Pioneer Atlas Liquor Co. 362,420; Nov. 15; Serial No. 408,398. published Aug. 30, 1938.
Whiskey, Straight bourbon. Popper-Morson Co. 362,365; Nov. 15; Serial No. 407,813; published Sept. 6, 1938.
Whisky. James Buchanan & Company Limited. 362,450; Nov. 15; Serial No. 408,780; published Sept. 6, 1938.
Whisky, Scotch. Hedges & Butler, Limited. 362,404; Nov. 15; Serial No. 408,275; published, Sept. 6, 1938.

CLASS 50

Bottle caps, can caps, container closures and corks. Cardinal Laboratories, Inc. 362,316; Nov. 15; Serial No. 407,355; published Sept. 6, 1938.
Bottle caps, Milk. American Seal-Kap Corporation of Delaware. 362,150; Nov. 15; Serial No. 400,079; published Sept. 6, 1938.
Matrix or flong used in stereotyping. Rapid Electrotype Co. 362,474; Nov. 15.

LIST OF LABELS

Air-Vent Electric Mixer Slip Cover. For Covers for Electric Mixers. A. Reinhold. 52,102; Nov. 15.
Air-Vent Protecto Food Container. For Food Container Bags. A. Reinhold. 52,103; Nov. 15.
Alt Heidelberg Brand Premium Pale Beer. For Beer. Columbia Breweries, Inc. 52,074; Nov. 15.
Apex Vitalized Popt Corn. For Canned Popped Corn. A. D. Towne. 52,121; Nov. 15.
Beech-Nut Biscuit Assortment. For Biscuits. Beech-Nut Packing Company. 52,067; Nov. 15.
Beech-Nut Cocktailettes with Cheese. For Biscuits. Beech-Nut Packing Company. 52,065; Nov. 15.
Beech-Nut Rummies. For Candy Drops. Beech-Nut Packing Company. 52,066; Nov. 15.
Better Toast. For Bread. C. C. Frantz. 52,085; Nov. 15.
Buffalo Brand. For Peaches. G. F. Selberling, J. T. Schantz, and N. P. Benner. 52,114; Nov. 15.
California Pride. For California Muscatel Wine. California Wine Company. 52,069; Nov. 15.
Chase and Sanborn. For Coffee. Standard Brands Incorporated. 52,116; Nov. 15.
Chip Chop. For Peanut Butter with Fragments of Toasted Peanuts Added. Good Foods, Incorporated. 52,091; Nov. 15.
Cleo-X. For a Bleaching and Cleaning Compound. A. Elfenbein. 52,078; Nov. 15.
Coffee. For Coffee. Thomas M. Royal & Company. 52,105–10; Nov. 15.
Columbia Export Beer. For Beer. Columbia Breweries, Inc. 52,075; Nov. 15.
Dixie Delight Self-Rising Pancake Flour Waffle Flour. For Pancake Flour and Waffle Flour. General Mills, Inc. 52,087; Nov. 15.
Dutch Boy Bread. For Bread. Holland Federal Baking Co. 52,093; Nov. 15.
Eata Bita. For Popcorn. Eata Bita Popcorn Co. 52,077; Nov. 15.
Egsheen Wall Finish (Light Reflecting). For a Wall Finish. Finnaren and Haley, Incorporated. 52,080; Nov. 15.
Elec-Trex. For an Insect Spray. Rex Research Corporation. 52,104; Nov. 15.
Exclusive Footwear. For Footwear. A. C. Clayton Printing Co. 52,072; Nov. 15.
F '87' H Quick Leveling Enamel. For Enamel. Finnaren and Haley, Incorporated. 52,081; Nov. 15.
Fine Footwear. For Footwear. A. C. Clayton Printing Co. 52,071; Nov. 15.
Fort Clark. For Straight Bourbon Whiskey. Fort Clark Corporation. 52,084; Nov. 15.
Frantz Bread, Formula 107. For Bread. C. C. Frantz. 52,086; Nov. 15.
Godchaux's (Cloth Bag). For Sugar. Godchaux Sugars, Inc. 52,090; Nov. 15.
Godchaux's (Paper Bag). For Sugar. Godchaux Sugars, Inc. 52,089; Nov. 15.
Gulf Brand. For Baby Rollmops. Maxena Co. 52,097; Nov. 15.
Hoosier Standard Tomatoes. For Canned Tomatoes. Indiana Canners Association, Inc. 52,094; Nov. 15.
John Sunshine Pipe Joint Compound. For Pipe Joint Compound. John Sunshine Chemical Co. 52,118; Nov. 15.
Kentucky Wisdom. For Kentucky Straight Bourbon Whiskey. Fairfield Distillery, Incorporated. 52,079; Nov. 15.
L'Art Dill Pickles. For Canned Dill Pickles. Green Bay Food Co. 52,092; Nov. 15.
Magic. For a Cleaning and Washing Compound. C. I. Togstad Company. 52,119; Nov. 15.
Mariet. For Toilet Preparations. C. I. Togstad Company. 52,120; Nov. 15.
Markwell RFL Staples. For Staples. Markwell Mfg. Co. 52,096; Nov. 15.
Meadolake Oleomargarine. For Oleomargarine. Meadolake Foods, Inc. 52,098; Nov. 15.
Monarch (Silver & Red Label). For Beer. Monarch Brewing Company. 52,099; Nov. 15.
Mrs. Stewart's Concentrated Liquid Bluing, Four Ounce. For Concentrated Liquid Bluing. Luther Ford & Company. 52,082; Nov. 15.
Mrs. Stewart's Concentrated Liquid Bluing, Ten Ounce. For Concentrated Liquid Bluing. Luther Ford & Company. 52,083; Nov. 15.
Nannette Toddler Frocks. For Frocks. Nannette Manufacturing Company. 52,100; Nov. 15.
Red Horse Old Fashioned Crystallized Rock and Rye. For Rock and Rye. D. J. Bielzoff Products Co. 52,068; Nov. 15.
Round the World Mixture. For Smoking Tobacco. Cavalla Tobacco Company. 52,070; Nov. 15.
Ryball Pale Dry. For Pale Dry Ginger Ale. Ginger Laboratories, Inc. 52,088; Nov. 15.
Samuels Four Decades Brand. For Kentucky Straight Bourbon Whiskey. T. W. Samuels Distillery, Inc. 52,111; Nov. 15.
Scottissue Towels. For Paper Towels. Scott Paper Company. 52,113; Nov. 15.
Seal of Quality Hoosier Tomatoes. For Canned Tomatoes. Indiana Canners Association, Inc. 52,095; Nov. 15.
Spark Whips. For Nitrous Oxide. Filled Bulbs. Sparklets Corporation. 52,115; Nov. 15.
Sugar Glen. For Molasses and Corn Syrup. Penick & Ford, Ltd. Inc. 52,101; Nov. 15.
Sylvan. For Chocolates. Daggett Chocolate Company. 52,076; Nov. 15.
Thoro Cleen. For a Solution for Cleaning Auto Radiators and Toilet Bowls. Standard Industrial Products, Inc. 52,117; Nov. 15.
Waldorf Towels. For Paper Towels. Scott Paper Company. 52,112; Nov. 15.
Women's Full Fashioned Hosiery. For Women's Full Fashioned Hosiery. B. Cobb. 52,073; Nov. 15.

LIST OF PRINTS

A-Tisket A-Tasket. For Artificial Flowers and Baskets Therefor. Kaplan Bros. 17,123; Nov. 15.
Beechies. For Chewing Gum. Beech-Nut Packing Company. 17,116; Nov. 15.
Burgess Flashlights. For Flashlights. Burgess Battery Company. 17,117; Nov. 15.
Burton Holmes Brings Back the Charm of Distant Lands with the Pen That Has What it Takes. For Fountain Pens, Mechanical Pencils and Ink. Parker Pen Company. 17,125; Nov. 15.
Come In and Gas With Us. We're Just Home Folks! For Gasoline. G. F. Renking. 17,126; Nov. 15.
Dr. K. Volz, Pipe Sterilizer. For Pipe Sterilizers. K. Volz. 17,129; Nov. 15.
Eat Candy. For Candy and Nuts. Awful Fresh MacFarlane. 17,115; Nov. 15.
Gifts from Your Jeweler are Gifts at Their Best. For Jewelry. Gruen Watch Company. 17,122; Nov. 15.
Grid Hero of 1950. For Wheat Breakfast Food. Cream of Wheat Corporation. 17,118; Nov. 15.
John Sunshine Pipe Joint Compound. For Pipe Joint Compound. John Sunshine Chemical Co. 17,128; Nov. 15.
Mother Here's That New Uncooked "Heat-Energy" Breakfast. For Cereal Food. General Mills, Inc. 17,121; Nov. 15.
Oil's Well. For Gasoline and Motor Oil. H. Rosenheim. 17,127; Nov. 15.
Parke-Davis Vitamin Products—Know the Maker of Your Vitamins. For Vitamin Products. Parke, Davis & Company. 17,124; Nov. 15.
Presenting Drewrys 'Pop' Cap. For Ale and Beer. Drewrys Limited U. S. A., Inc. 17,119; Nov. 15.
These Samples Were Sprinkled With Water and Left to Dry (Display). For a Glass Substitute. Flex-O-Glass Mfg. Co. 17,120; Nov. 15.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 15TH DAY OF NOVEMBER, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aitken, Earle M., Saugus, assignor of one-third to J. Catto, Oakland, one-third to J. M. MacPherson, Berkeley, and one-third to J. R. Wood, Los Angeles, Calif. File sharpening method and apparatus. Re 20,914; Nov. 15.
Bergstrom, William A., Chicago, Ill., assignor to Renchtite Spring Nut Company. Self-locking nut. Re. 20,915; Nov. 15.
Bergstrom, William A., Chicago, Ill., assignor to Renchtite Spring Nut Company, San Francisco, Calif. Making spring lock nuts. Re. 20,916; Nov. 15.
Catto, James, et al. (See Aitken, Earle M., assignor.)
Eaddy, Ernest J., Spartanburg, S. C. Cleaning textile machinery. Re. 20,917; Nov. 15.
Goll, Richard, Dresden, Germany, assignor to J. M. Lehmann Company, Inc., New York, N. Y. Roller mill. Re. 20,918; Nov. 15.
Kühnel, Carl. (See Scholl, P., and Kühnel.)
Lehmann, J. M., Company. (See Goll, Richard, assignor.)
MacPherson, John M., et al. (See Aitken, Earle M., assignor.)
Martin, Elmer R., Springfield, assignor to The Williams Company, London, Ohio. Steel wool pad. Re. 20,919; Nov. 15.
Nadelson, Philip, New York, N. Y. Container. Re. 20,920; Nov. 15.
Renchtite Spring Nut Company. (See Bergstrom, William A., assignor.)
Scholl, Paul, Berlin-Siemensstadt, and C. Kühnel, Berlin-Charlottenburg, assignors to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Absorption refrigerating apparatus. Re. 20,921; Nov. 15.
Siemens-Schuckertwerke Aktiengesellschaft. (See Scholl, P., and Kühnel, assignor.)
Williams Company, The. (See Martin, Elmer R., assignor.)
Wood, J. R., et al. (See Aitken, Earle M., assignor.

LIST OF DESIGN PATENTEES

Anderson, George W., Akron, Ohio. Tire. 112,165; Nov. 15.
Anderson, George W., Akron, Ohio. Tire. 112,166; Nov. 15.
Anderson, George W., Akron, Ohio. Tire. 112,185; Nov. 15.
Anderson, Ture I., Merced, Calif. Counter chair. 112,167; Nov. 15.
Arenberg, Albert L., Highland Park, assignor to Patent License Corporation, Chicago, Ill. Lighting fixture globe. 112,186; Nov. 15.
Ash, Charles S., Milford, assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. 112,187; Nov. 15.
Baldwin, Ernest E., Spokane, Wash. Shoe polisher or similar article. 112,188; Nov. 15.
Barnes, James F. (See Reinecke, J. O., and Barnes.)
Belmont Radio Corporation. (See Wronke, Louis J., assignor.)
Bennett, Arthur J., Cambridge, Ohio. Deviled egg plate or similar article. 112,168; Nov. 15.
Biever, William H., Philadelphia, Pa. Lamp shade. 112,189; Nov. 15.
Bireley, Frank W., Hollywood, assignor to Bireley's Incorporated, Los Angeles, Calif. Bottle. 112,190; Nov. 15.
Bireley, Frank W., Hollywood, assignor to Bireley's Incorporated, Los Angeles, Calif. Bottle. 112,191; Nov. 15.
Bireley's Incorporated. (See Bireley, Frank W., assignor.)
Bunting Glider Company. (See Goldberg, Aron S., assignor.)
Cecil, Penelope, St. Louis, Mo. Pincushion. 112,228; Nov. 15.
Cocks, George W., Upper Montclair, N. J. Refrigerated dispensing cabinet. 112,169; Nov. 15.
Corser, Lawrence E., Cortland, N. Y. Naval game board. 112,170; Nov. 15.
Depledge, William, Milwaukee, Wis. Knitted fabric or similar article. 112,192; Nov. 15.
Electrical Testing Laboratories. (See Wilcox, Jane, assignor.)
Ellis, Francis C., Chicago, Ill. Knob. 112,193; Nov. 15.
Engel, Alice, New York, N. Y. Dress ensemble. 112,229; Nov. 15.
Engel, Alice, New York, N. Y. Dress. 112,230; Nov. 15.
Etkin, Simon, New York, N. Y. Suit. 112,231; Nov. 15.
Fairmount Glass Works, Incorporated. (See Samuelson, Otto H., assignor.)
Favreau, Myles A., Battle Creek, Mich. Cribbage board. 112,171; Nov. 15.
Geist, Irving, New York, N. Y. House coat. 112,232; Nov. 15.
General Motors Corporation. (See Reynolds, Carl, Jr., assignor.)
Gerity Adrian Manufacturing Corporation. (See Zapf, John A., assignor.)
Goldberg, Aaron S., assignor to Bunting Glider Company, Philadelphia, Pa. Chair. 112,194; Nov. 15.
Gordon, Louis J., Chicago, Ill. Revolving container for drinking glasses. 112,172; Nov. 15.
Hamilton, J. T. & A., Company. (See Kihn, Lawrence J., assignor.)
Harr, Herman H., East Cleveland, Ohio. Beverage dispensing cabinet. 112,145; Nov. 15.
Heller, Henry R., assignor to Winter & Co., New York, N. Y. Piano music rack. 112,146; Nov. 15.
Heller, Henry R., assignor to Winter & Co., New York, N. Y. Lyre for a piano. 112,147; Nov. 15.
Houdaille-Hershey Corporation. (See Jandus, Herbert S., assignor.)
Huffman, Russell I., Dover, Ohio, assignor to Knapp-Monarch Company, St. Louis, Mo. Combined handle and standard for a sadiron or similar article. 112,195; Nov. 15.
Jandus, Herbert S., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich. Vehicle bumper or similar article. 112,196; Nov. 15.
Jones, Frances M., Burlington, Iowa. Hair curler. 112,197; Nov. 15.
Katz, Adolph, New York, N. Y. Brooch pin or similar article. 112,148; Nov. 15.
Kelsey-Hayes Wheel Company. (See Ash, Charles S., assignor.)
Kihn, Lawrence J., Pittsburgh, Pa., assignor to J. T. & A. Hamilton Company. Glass bottle. 112,198; Nov. 15.
King, Walter G. (See Povsner, Isadore M., assignor.)
Kingsbury, George P., Hollis, N. Y. Medicinal measuring cup. 112,173; Nov. 15.
Kleinwachter, Paul M., Chicago, Ill. Display case. 112,149; Nov. 15.
Knapp-Monarch Company. (See Huffman, Russell I., assignor.)
Knudstrup, Aksel J. C. (See Robinson, H. R., and Knudstrup.)
Koh-I-Noor Pencil Factory L. & C. Hardtmuth, Inc. (See Welanetz, Ludolph P., assignor.)
Kostellow, Rowena R., assignor to United State Glass Company, Pittsburgh, Pa. Compote bowl or similar article. 112,199; Nov. 15.
Lemm, Bonnie E., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Automobile radiator ornament or similar article. 112,200; Nov. 15.
Levine, Louis, Leominster, Mass. Ferrule for umbrellas or the like. 112,174; Nov. 15.
Libbey Glass Company. (See Viatour, Jean, assignor.)
Lion Manufacturing Corporation. (See Reinecke, Jean O., assignor.)
Madsen, Peter N., Detroit, Mich. Automobile bumper. 112,201; Nov. 15.
Malden Form Brassiere Company. (See Rosenthal, William, assignor.)
McGraw Electric Company. (See Reinecke, J. O., and Barnes, assignors.)
Megibow, George, New York, N. Y. Textile fabric. 112,202; Nov. 15.
Megibow, George, New York, N. Y. Textile fabric. 112,203; Nov. 15.
Megibow, George, New York, N. Y. Textile fabric. 112,204; Nov. 15.
Megibow, George, New York, N. Y. Textile fabric. 112,205; Nov. 15.
Miller, Donald C., Paterson, N. J., assignor to Frank M. Sayford Co., Inc., Brooklyn, N. Y. Decorative paper or similar article. 112,233; Nov. 15.
Milton, John K., Chicago, Ill. Combined tray and receptacles for smokers. 112,206; Nov. 15.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Washing machine. 112,207; Nov. 15.

Müller-Munk, Peter, Pittsburgh, Pa. Vending machine casing. 112,208; Nov. 15.
Murphy, James A., Detroit, Mich. Ashtray. 112,234; Nov. 15.
Nelson, Victor B., Rockford, Ill. Fishing rod handle. 112,175; Nov. 15.
Neuhardt, Charlotte M., New York, N. Y. Dress. 112,235; Nov. 15.
Nieliwocki, Adam P., Irvington, N. J. Display holder or similar article. 112,209; Nov. 15.
Odzer, Harry, New York, N. Y. Textile fabric. 112,210; Nov. 15.
Odzer, Harry, New York, N. Y. Textile fabric. 112,211; Nov. 15.
Odzer, Harry, New York, N. Y. Textile fabric. 112,212; Nov. 15.
Park, Malcolm S., Mount Kisco, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Protective covering for a vacuum cleaner casing or the like. 112,236; Nov. 15.
Patent License Corporation. (See Arenberg, Albert L., assignor.)
Pershall, Ralph H., Bremerton, assignor to Sanicut Mfg. Co., Port Orchard, Wash. Dispensing cover for a pitcher or similar article. 112,150; Nov. 15.
Povsner, Isadore M., assignor of one-half to W. G. King, Chicago, Ill. Combined flashlight and trouble finding device. 112,213; Nov. 15.
Price, David W., New York, N. Y. Dress. 112,237; Nov. 15.
Price, Robert J., Uniontown, Pa. Ice cream dipper. 112,151; Nov. 15.
Ray-O-Vac Company. (See Sandley, Clifford W., assignor.)
Reinecke, Jean O., and J. F. Barnes, assignors to McGraw Electric Company, Chicago, Ill. Tray. 112,176; Nov. 15.
Reinecke, Jean O., and J. F. Barnes, assignors to McGraw Electric Company, Chicago, Ill. Tray. 112,177; Nov. 15.
Reinecke, Jean O., and J. F. Barnes, assignors to McGraw Electric Company, Chicago, Ill. Tray. 112,178; Nov. 15.
Reinecke, Jean O., and J. F. Barnes, assignors to McGraw Electric Company, Chicago, Ill. Jam dish. 112,179; Nov. 15.
Reinecke, Jean O., assignor to Lion Manufacturing Corporation, Chicago, Ill. Coin operated machine casing. 112,180; Nov. 15.
Reynolds, Carl, Jr., assignor to General Motors Corporation, Detroit, Mich. Decorative plate for an automobile radiator grille or trunk. 112,214; Nov. 15.
Rittenhouse, A. E., Co., The. (See Rittenhouse, Lloyd, assignor.)
Rittenhouse, Lloyd, assignor to The A. E. Rittenhouse Co., Inc., Honeoye Falls, N. Y. Signal device. 112,215; Nov. 15.
Robinson, Hilyard R., Washington, D. C., and A. J. C. Knudstrup, Vienna, Va. Ceiling lamp. 112,216; Nov. 15.
Robinson, Hilyard R., Washington, D. C., and A. J. C. Knudstrup, Vienna, Va. Floor lamp. 112,217; Nov. 15.
Robinson, Hilyard R., Washington, D. C., and A. J. C. Knudstrup, Vienna, Va. Floor lamp. 112,218; Nov. 15.
Rosenthal, William, assignor to Maiden Form Brassiere Company, Inc., New York, N. Y. Brassière. 112,238; Nov. 15.
Ross, Hugh J., Brooklyn, N. Y. Siphon head or similar article. 112,181; Nov. 15.
Samuelson, Otto H., assignor to Fairmount Glass Works, Incorporated, Indianapolis, Ind. Bottle. 112,219; Nov. 15.
Sandley, Clifford W., Madison, Wis., assignor to Ray-O-Vac Company. Illuminated coin tray. 112,152; Nov. 15.
Sanicut Mfg. Co. (See Pershall, Ralph H., assignor.)
Sayford, Frank M., Co. (See Miller, Donald C., assignor.)
Schmitt, Frank J., San Diego, Calif. Bench. 112,182; Nov. 15.
Schroeder, Apollonia M., Kansas City, Mo. Bath mitt. 112,239; Nov. 15.
Sears, Roebuck and Co. (See Morgan, John R., assignor.)
Shapiro, Samuel S., New York, N. Y. Textile fabric. 112,220; Nov. 15.
Silvers, Jim I., Chicago, Ill. Combination desk unit. 112,183; Nov. 15.
Singer Manufacturing Company, The. (See Park, Malcolm S., assignor.)
Sohelman, Morris, St. Louis, Mo. Textile fabric. 112,221; Nov. 15.
Soletti, Antonio, San Mateo, Calif. License plate ornament. 112,222; Nov. 15.
Ternstedt Manufacturing Company. (See Lemm, Bonnie E., assignor.)
Toti, Peter, Easton, Pa. Game board. 112,184; Nov. 15.
United States Glass Company. (See Kostellow, Rowena R., assignor.)
Verrecchio, Gene, Providence, R. I. Brooch or similar article. 112,153; Nov. 15.
Verrecchio, Gene, Providence, R. I. Brooch or similar article. 112,154; Nov. 15.
Verrecchio, Gene, Providence, R. I. Brooch or similar article. 112,155; Nov. 15.
Verrecchio, Gene, Providence, R. I. Brooch or similar article. 112,156; Nov. 15.
Verrecchio, Gene, Providence, R. I. Brooch or similar article. 112,157; Nov. 15.
Verrecchio, Gene, Providence, R. I. Brooch or similar article. 112,158; Nov. 15.
Verrecchio, Gene, Providence, R. I. Brooch or similar article. 112,159; Nov. 15.
Verrecchio, Gene, Providence, R. I. Brooch or similar article. 112,160; Nov. 15.
Verrecchio, Gene, Providence, R. I. Brooch or similar article. 112,161; Nov. 15.
Verrecchio, Gene, Providence, R. I. Brooch or similar article. 112,162; Nov. 15.
Verrecchio, Gene, Providence, R. I. Brooch or similar article. 112,163; Nov. 15.
Viatour, Jean, Soignies, Belgium, assignor to Libbey Glass Company, Toledo, Ohio. Tumbler. 112,164; Nov. 15.
Wein, Eleanor, Cincinnati, Ohio. Dress. 112,240; Nov. 15.
Welanetz, Ludolph P., North Plainfield, assignor to Koh-I-Noor Pencil Factory L. & C. Hardtmuth, Inc., Bloomsbury, N. J. Wrapping paper or similar article. 112,223; Nov. 15.
Wilcox, Jane, Chicago, Ill., assignor to Electrical Testing Laboratories, New York, N. Y. Lamp base. 112,224; Nov. 15.
Winter & Co. (See Heller, Henry R., assignor.)
Wronke, Louis J., Chicago, Ill., assignor to Belmont Radio Corporation. Radio receiver cabinet. 112,225; Nov. 15.
Wronke, Louis J., Chicago, Ill., assignor to Belmont Radio Corporation. Radio receiver cabinet. 112,226; Nov. 15.
Zapf, John A., Ottawa Hills, Ohio, assignor to Gerity Adrian Manufacturing Corporation, Adrian, Mich. Soap holder or similar article. 112,227; Nov. 15.
Zinn, Joseph, New York, N. Y. Dress. 112,241; Nov. 15.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 15TH DAY OF NOVEMBER, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott Laboratories. (See Young, F. H., and Robinson, assignors.)
Abel, Branson, Oakland, Calif. Gaff. 2,136,661; Nov. 15.
Abrasive Machine Tool Co. (See Cornell, Elton S., assignor.)
Acrotorque Company, The. (See Orshansky, Elias, Jr., assignor.)
Adams, Oscar C., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoemaking. 2,136,482; Nov. 15.
Adams, Thomas E., Angola, N. Y. Inflating and closure means for pneumatic tires. 2,136,929; Nov. 15.
Aktiebolaget Svenska Elektro-Industri Companiet. (See Ekeberg, Henning R., assignor.)
Aktiengesellschaft fuer Technische Studien. (See Keller, Curt, assignor.)
Albrecht, Hermann F., Berlin-Friedrichshagen, and L. E. T. Branch, London, England, assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Claw feed mechanism for motion picture apparatus. 2,136,930; Nov. 15.
Allgemeine Elektricitats Gesellschaft. (See Schweimer, Klaus P., assignor.)
Altorfer Bros. Company. (See Ulrich, Clyde W., assignor.)
Aluminum Company of America. (See Moore, George L., assignor.)
American Lurgi Corporation. (See Göhre, Kurt R., assignor.)
American Oxythermic Corporation. (See Frankl, Mathias, assignor.)
American Rolling Mill Company, The. (See Freese, Jonathan R., assignor.)
American Rolling Mill Company, The. (See Sendzimir, Tadeusz, assignor.)
American Safety Razor Corporation. (See Signoret, Albert J., assignor.)
American Telephone and Telegraph Company. (See Smith, Chauncey W., assignor.)
American Tractor Equipment Corporation. (See Knapp, John F., assignor.)
Amidon, Roy C., Fort Plain, assignor of one-third to W. S. Becker, Little Falls, and one-third to L. M. Fowler, St. Johnsville, N. Y. Flat knit fabric. 2,136,367; Nov. 15.
Amidon, Roy C., Fort Plain, assignor of one-third to W. S. Becker, Little Falls, and one-third to L. M. Fowler, St. Johnsville, N. Y. Knitting machine and method of knitting. 2,136,368; Nov. 15.
Amos, Alwin G., E. E. McGrew, and P. Hergenrader, assignors to Nebraska Appliance Company, Lincoln, Nebr. Cold storage locker. 2,137,105; Nov. 15.
Ampenoff, Wsevolod P. (See Rockall, George A. and W. A. E., assignors.)
Anaconda Wire and Cable Company. (See Lowe, William, assignor.)
Anchor Cap & Closure Corporation. (See Gibbs, John C., assignor.)
Anderson, David G., Hinsdale, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone pay station apparatus. 2,136,601; Nov. 15.
Anderson, Lloyd L., Grand Rapids, assignor to Winters & Crampton Corporation Grandville, Mich. Refrigerator latch. 2,136,662; Nov. 15.
Andrews, L. V., assignor to Riley Stoker Corporation, Worcester, Mass. Burner for pulverized fuel. 2,136,777; Nov. 15.
Anetsberger, Frank A., Chicago, Ill. Cooking utensil. 2,136,535; Nov. 15.
Anheuser-Busch, Inc. (See Gull, Rudolf, assignor.)
Anthony Company. (See Anthony, William C., assignor.)
Anthony, William C., assignor to Anthony Company, Streator, Ill. Tipping mechanism. 2,136,663; Nov. 15.
Anttila, Walfred, Oak Creek, Colo. Undercarriage construction for aircraft. 2,136,778; Nov. 15.
Apex Electrical Manufacturing Company, The. (See McCabe, John J., assignor.)
Armour, Aileen, Los Angeles, Calif. Seat cabinet for automobiles. 2,136,407; Nov. 15.
Aromel Corporation, The. (See Ehbrecht, Adolf, assignor.)
Asch, Werner, Frankfort-on-the-Main-Hochst, H. Janz, Bad Soden-on-the-Taunus, W. Pense and A. Voss, Frankfort-on-the-Main-Hochst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Tanning agents. 2,136,997; Nov. 15.
Associated Electric Laboratories, Inc. (See Miller, Merton R., assignor.)
Atkins, George E., Glen Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Teletypewriter projector. 2,136,602; Nov. 15.
Atlas Powder Company. (See Bucy, Edmond H., assignor.)
Aull, Harry, assignor to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa. Hair net. 2,136,603; Nov. 15.
Automatic Devices Corporation. (See Cohen, Joseph H., assignor.)
Automatic Shifters, Inc. (See Nampa, Sulo M., assignor.)
Automatic Telephone & Electric Company Limited. (See Renshaw, Percy B., assignor.)
Automotive Improvement Patents Corporation. (See Burtnett, Everett R., assignor.)
Ayers, Augustine R. (See Ploen, C. W., and Ayers.)
Baash, Lawrence F. (See Driscoll, Dennis L., assignor.)
Baer, Howard. (See Finnegan, M. J., and Baer.)
Bailey, James R., Austin, Tex., assignor to Union Oil Company, Los Angeles, Calif. Separation and purification of aromatic and non-aromatic nitrogen bases. 2,136,604; Nov. 15.
Bailey Meter Company. (See Woolley, Rew E., assignor.)
Baird, Paul R., Blythe, Calif. Tractor hitch. 2,136,834; Nov. 15.
Baker & Company. (See Colby, Edward A., assignor.)
Baker, David B., and L. F. Overholt, Riverside, Ill., assignors to International Harvester Company. Cooling systems for engines. 2,136,605; Nov. 15.
Baldauf, Carl E., assignor to Clarice Llenhard, Los Angeles, Calif. Light fixture. 2,137,106; Nov. 15.
Baldwin, John T., Chattanooga, Tenn. Rail joint. 2,136,961; Nov. 15.
Ball Chemical Company. (See Fulton, K. H., and Illig, assignors.)
Ballon, George, Holland, N. Y. Powder puff. 2,137,125; Nov. 15.
Balsley, James R., La Canada, Calif., assignor to United Research Corporation, Long Island City, N. Y. Sound reproduction. 2,136,873; Nov. 15.
Bank of America National Trust and Savings Association. (See Owens, Bengeman Beason, assignor.)
Barber, Alfred W., Flushing, N. Y. Coupled circuit system. 2,136,664; Nov. 15.
Barber, Alfred W., Flushing, N. Y. Radio tuning indication. 2,136,665; Nov. 15.
Barber-Colman Company. (See Marcellus, Brooks, assignor.)
Barcalo Manufacturing Company. (See Vallone, Joseph M., assignor.)
Bares, Bohumil, Oakville, assignor to Scovill Manufacturing Company, Waterbury, Conn. Button positioning means and mechanism. 2,136,536; Nov. 15.
Barker, Jesse W., Geneva, N. Y. Heat diffuser or baffle device. 2,136,666; Nov. 15.
Barnard, Kenneth H., and A. F. McLean, Andover, assignors to Pacific Mills, Lawrence, Mass. Method and material for preventing the tarnishing of silverware. 2,136,483; Nov. 15.
Barnes, Thomas F., assignor to Cameo Corporation, Minneapolis, Minn. Dispenser. 2,137,041; Nov. 15.
Barrows, Donald S., assignor to The Symington-Gould Corporation, Rochester, N. Y. Railway vehicle spring. 2,137,151; Nov. 15.
Bärtsch, Walter, Kreuzberg, Kerzers, Switzerland. Multiple mercury contact device. 2,136,874; Nov. 15.
Barwood, Leon J., Cambridge, Mass. Lobster-claw lock. 2,136,484; Nov. 15.
Batchelor, Clyde S. (See Bockius, C., Batchelor, and Cook.)
Bateman, Ernest. (See Sherrard, E. C., Beglinger, Hohf, and Bateman.)
Bateman, William T., special adminstrator. (See Sherrard, E. C., Beglinger, Hohf, and Bateman.)
Becker, Walter S., et al. (See Amidon, Roy C., assignor.)
Beckett, Farley E., Inglewood, assignor of one-half to J. A. Rosenkranz, Los Angeles, Calif. Internal combustion engine. 2,136,358; Nov. 15.
Bedell, Henry G., assignor to Spiral Locks Limited, Wellington, New Zealand. Latch and lock. 2,136,408; Nov. 15.
Bedford, Alda V., Collingswood, N. J., assignor to Radio Corporation of America. Television system. 2,137,010; Nov. 15.
Bedford, Burnice D., Schenectady, N. Y., assignor to General Electric Company. Electric valve circuit. 2,137,126; Nov. 15.
Bednar, Henry J., Denver, Colo. Eyelash darkener. 2,136,779; Nov. 15.
Beebe, Samuel A., New York, N. Y. Collar for overcoats and topcoats. 2,137,107; Nov. 15.

Begg, Russell S., Cleveland Heights, assignor to The Midland Steel Products Company, Cleveland, Ohio. Hydraulic brake system. 2,136,835; Nov. 15.

Beglinger, Edward. (See Sherrard, E. C., Beglinger, Hohf, and Bateman.)

Behrend, Jerome B., et al. (See Kriegsfeld, Louis, assignor.)

Belcher, Clarence F., South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing 2-Bz-1'-dibenzanthronyl. 2,136,998; Nov. 15.

Belcher, Walter E., Tacoma, assignor of one-half to A. W. Pratt, Seattle, Wash. Lamp fixture. 2,136,369; Nov. 15.

Belk, Charles R., Sr., Bessemer, Ala. Tube container for milk bottle caps. 2,136,962; Nov. 15.

Bell, Edwin J., assignor to The Bell Machine Company, Oshkosh, Wis. Match book machine. 2,137,072; Nov. 15.

Bell Machine Company, The. (See Bell, Edwin J., assignor.)

Bell Machine Company, The. (See Bell, Morris A., assignor.)

Bell, Morris A., assignor to The Bell Machine Company, Oshkosh, Wis. Match display and holder. 2,136,989; Nov. 15.

Bell Telephone Laboratories, Incorporated. (See Atkins, George E., assignor.)

Bell Telephone Laboratories, Incorporated. (See Dubuar, Arthur S., assignor.)

Bell Telephone Laboratories, Incorporated. (See King, A. P., and Russell, assignors.)

Bell Telephone Laboratories, Incorporated. (See King, Gerald V., assignor.)

Bell Telephone Laboratories, Incorporated. (See Kuhn, John J., assignor.)

Bell Telephone Laboratories, Incorporated. (See Lum, George R., assignor.)

Bell Telephone Laboratories, Incorporated. (See Massonneau, Robert F., assignor.)

Bell Telephone Laboratories, Incorporated. (See Monk, Newton, assignor.)

Bell Telephone Laboratories, Incorporated. (See Snow, William B., assignor.)

Bell Telephone Laboratories, Incorporated. (See Taylor, Edmund R., assignor.)

Bell Telephone Laboratories, Incorporated. (See Terry, Roy V., assignor.)

Bemis & Call Company. (See Denerich, Anthony J., assignor.)

Bendel, Hermann, Berlin, assignor to Siemens & Halske, Aktiengesellschaft, Berlin-Siemensstadt, Germany. Modulator. 2,136,606; Nov. 15.

Bendix Aviation Corporation. (See Weber, Philip F., assignor.)

Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company. Disk plow. 2,136,607; Nov. 15.

Benjamin Electric Mfg. Company. (See Phillips, Paul D., assignor.)

Benjamin, Ralph, assignor of twenty-five per cent to L. Mancini and twenty-five per cent to N. Mancini, Waterbury, Conn. Combination lock. 2,136,584; Nov. 15.

Benner, Howard J., assignor to F. W. Sickles Company, Springfield, Mass. Electrical apparatus. 2,136,731; Nov. 15.

Benner, Raymond C., and G. J. Easter, assignors to The Carborundum Company, Niagara Falls, N. Y. Making abrasive articles. 2,136,931; Nov. 15.

Bergman, Carl, Hopatcong, N. J. Smoking pipe attachment. 2,136,537; Nov. 15.

Berka, Fritz, and A. Giller, Vienna, Austria. Denicotinizing tobacco. 2,136,485; Nov. 15.

Bernard, Harley L., Quincy, Mo. Rear view mirror. 2,136,836; Nov. 15.

Bert, Ernest J., Melbourne, Victoria, Australia, assignor to Shell Development Company, San Francisco, Calif. Bituminous emulsions. 2,136,667; Nov. 15.

Bertsch, Heinrich, assignor, by mesne assignments, to Böhme Fettchemie-Gesellschaft mit beschrankter Haftung, Chemnitz, Germany. Fire extinguishing method and medium. 2,136,963; Nov. 15.

Berwick, Bernard, New York, N. Y. Decorative light ornament. 2,136,780; Nov. 15.

Best, John G., assignor to General Animated Signs, Limited, Toronto, Ontario, Canada. Animated sign and operating it. 2,137,127; Nov. 15.

Bestco Shoe Machinery Inc. (See Le Gault, Elzear J., assignor.)

Betz, Paul L., assignor to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md. Control system for gas heaters. 2,137,199; Nov. 15.

Bice, Lorin, Laurel, and F. Soular, Billings, Mont., assignors to A. O. Smith Corporation, Milwaukee, Wis. Extracting precious metals. 2,136,409; Nov. 15.

Binder, Gertrude S., administratrix. (See Binder, Richard L.)

Binder, Richard L., deceased; G. S. Binder, administratrix, assignor to Metals Coating Company of America, Philadelphia, Pa. Metal spraying apparatus. 2,136,668; Nov. 15.

Birkigt, Louis, Versoix, near Geneva, Switzerland. Supercharged engine fed through a radiator system. 2,136,964; Nov. 15.

Bissonnette, Julien, Manchester, N. H. Heat deflector. 2,136,837; Nov. 15.

Blackburn Aircraft Limited. (See Fenton, George B., assignor.)

Blake, Anna B., executrix. (See Blake, James F., assignor.)

Blake, James F., deceased, by A. B. Blake, Tulsa, Okla., executrix; A. B. Blake, assignee by decree of court. Thief tube. 2,137,128; Nov. 15.

Blanc, Jean J., Courbevoie, France. Device for securing together articles such as plates or the like. 2,136,875; Nov. 15.

Blattner, Emil H., assignor to The Symington-Gould Corporation, Rochester, N. Y. Draft rigging. 2,137,152; Nov. 15.

Bleibtreu, Herman, Darmstadt, Germany, assignor to Freyn Engineering Company, Chicago, Ill. Separable connecter means. 2,137,011; Nov. 15.

Bletz, Edward, Lexington, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Thermostatic control system. 2,137,073; Nov. 15.

Bley, Fred, and M. Hoerer, Chicago, Ill. Diamond bit. 2,136,359; Nov. 15.

Blomberg, Martin P., Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich. Railway car truck. 2,137,074; Nov. 15.

Blondin, Michel C., Meudon, France. Automatic apparatus for direct observation of picture strips and the like. 2,136,486; Nov. 15.

Bloomfield, Arthur E., and W. E. Smith, West Webster, N. Y. Bookbinder. 2,137,212; Nov. 15.

Blount, Arthur L., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Recovery of naphthenic acids. 2,136,608; Nov. 15.

Booth, George M., Westfield, assignor to Wallace & Tiernan Company, Inc., Belleville, N. J. Pressure reducing and regulating valve. 2,137,204; Nov. 15.

Boyer, John A., assignor to The Carborundum Company, Niagara Falls, N. Y. Abrasive article and its manufacture. 2,137,200; Nov. 15.

Boyer, John A., assignor to The Carborundum Company, Niagara Falls, N. Y. Abrasive article and its manufacture. 2,137,201; Nov. 15.

Bobrow, June E., New York, N. Y. Separable fastener. 2,137,012; Nov. 15.

Bocklus, Chris, Stamford, Conn.; C. S. Batchelor, Hasbrouck Heights, and J. A. Cook, Haledon, assignors to Raybestos-Manhattan, Inc., Passaic, N. J. Making metallic inlaid friction surfaces. 2,136,370; Nov. 15.

Boeing Aircraft Company. (See Sanders, John C., assignor.)

Böhme Fettchemie-Gesellschaft mit beschrankter Haftung. (See Bertsch, Heinrich, assignor.)

Boldt, Werner F., Overland, and W. R. Freeman, University City, assignors to Wagner Electric Corporation, St. Louis, Mo. Brake control mechanism. 2,136,410; Nov. 15.

Bolton, Ray F. (See Hughes, J. D., and Bolton.)

Bonsall, Charles D., Pittsburgh, Pa., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company. Refrigerator car. 2,136,999; Nov. 15.

Borwick, Arthur H., Huntington Park, Calif. Stretching metal rods. 2,136,538; Nov. 15.

Bosschieter, Leonard, Prospect Park, N. J. Collapsible chair. 2,136,838; Nov. 15.

Bracken, Wallace H., Rye, N. Y., assignor to Hartmann Trunk Company, Racine, Wis. Container closure flap. 2,136,669; Nov. 15.

Bradley, Richard C., Brooklyn, assignor to Reconstruction Finance Corporation, New York, N. Y. Register with preset trip mechanism. 2,137,013; Nov. 15.

Branch, Leslie E. T. (See Albrecht, Hermann F., and Branch.)

Brenkert, Karl, Detroit, Mich. Photoelectric cell arc control. 2,136,670; Nov. 15.

Bridgeport Brass Company. (See Tegge, Albert R., assignor.)

Brinton, Joseph H., Media, Pa. Night latch. 2,136,539; Nov. 15.

Briscoe, Ernest V., Kerman, Calif. Ditch digger and cleaner. 2,136,911; Nov. 15.

Brochu, Arthur J., Grand Rapids, Mich. Arrow. 2,137,014; Nov. 15.

Brock, Clarence A., Detroit, Mich. Separating machine. 2,136,540; Nov. 15.

Brooke, Lloyd A., Washington, D. C. Fountain pen. 2,136,371; Nov. 15.

Brown Company. (See Schur, Milton O., assignor.)

Brown, Edward. (See Brown, John and E.)

Brown Instrument Company, The. (See Moore, C. B., and Krogh, assignors.)

Brown, John and E., Wednesbury, England. Rotary valve for internal combustion engines. 2,137,129; Nov. 15.

Brown, Russell L., Lowell, Mass., assignor to California Process Company, Los Angeles, Calif. Method and apparatus for opening, carding, and cleaning fibrous material. 2,136,839; Nov. 15.

Brozek, Stanley, Dearborn, Mich. Ventilated block and wall construction. 2,137,153; Nov. 15.

Brubaker, Jacob E., assignor to The Hubley Manufacturing Company, Lancaster, Pa. Toy pistol. 2,137,154; Nov. 15.

Bruce, Donald S., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Composite brake block. 2,136,585; Nov. 15.

Bruehl, Lawrence. (See Otto, S., and Bruehl.)

Brussell, Jacob, New York, N. Y., assignor to I. Friedman, Roselle, N. J. Open stitch sewing machine. 2,136,781; Nov. 15.

Bryant Electric Company, The. (See Forstrom, Edward E., assignor.)

Brykczynski, Charles S., and J. Kosman, Brooklyn, assignors to Geo. F. Stuhmer & Company, New York, N. Y. Bread loaf forming machine. 2,136,487; Nov. 15.

Büche, Karl. (See Wiedbrauch, E., Schrader, and Büche.)

Buckeye Traction Ditcher Company, The. (See Miller, George E., assignor.)

Buckler, Rowland, Chicago, Ill. Electrotype plate and making the same. 2,136,840; Nov. 15.

Buckwalter, Raymond D., Lancaster, Pa. Baling wire. 2,136,732; Nov. 15.

Bucy, Edmond H., Stamford, Conn., assignor to Atlas Powder Company, Wilmington, Del. Nonyellowing composition. 2,136,782; Nov. 15.

Budd, Edward G., Manufacturing Company. (See Dean, Walter B., assignor.)

Budnick, Frank O., Chicago, Ill. Making an electrode assembly. 2,136,932; Nov. 15.

Burmeister, Hermann, Berlin-Spandau, Germany, assignor to General Electric Company. Production of fibrous material compounds. 2,137,155; Nov. 15.

Burnett, John L., St. Louis, Mo. Leaching and precipitating process and apparatus. 2,136,372; Nov. 15.

Burroughs Adding Machine Company. (See Butler, Thomas M., assignor.)

Burtnett, Everett R., assignor to Automotive Improvement Patents Corporation, Los Angeles, Calif. Multiclutch mechanism. 2,136,811; Nov. 15.

Busse, Warren F., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Softened rubber. 2,136,373; Nov. 15.

Butler, Thomas M., assignor to Burroughs Adding Machine Company, Detroit, Mich. Business machines. 2,136,671; Nov. 15.

Butterfield, Louis B., Short Hills, R. F. Garrett, Cranford, and R. E. Park, Jr., Allwood, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Electrical device and making the same. 2,136,609; Nov. 15.

Bylington, James A., Orlando, Fla. Receptacle emptying machine. 2,136,488; Nov. 15.

Cacioppo, Casper, et al. (See Goldacker, Edward H., assignor.)

Cacioppo, Charles, et al. (See Goldacker, Edward H., assignor.)

Cacioppo, Joseph, et al. (See Goldacker, Edward H., assignor.)

Calco Chemical Company. (See Crossley, M. L., and Shafer, assignors.)

California Process Company. (See Brown, Russell L., assignor.)

Calkins, Chauncey L., assignor to L. A. Ederer, Chicago, Ill. Electrical transmitting mechanism and circuit. 2,136,672; Nov. 15.

Calleson, Edgar A., Merrick, N. Y. Manufacture of sheet metal caps. 2,136,933; Nov. 15.

Cameo Corporation. (See Barnes, Thomas F., assignor.)

Cammen, Carolyn C. (See Cammen, Leon, assignor.)

Cammen, Leon, assignor to C. C. Cammen, New York, N. Y. Telegraph printer. 2,136,411; Nov. 15.

Campbell, A. S., Co. (See McAdams, James F., assignor.)

Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 2,136,573; Nov. 15.

Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 2,136,574; Nov. 15.

Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Fluid pressure brake. 2,136,575; Nov. 15.

Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Fluid pressure brake. 2,136,576; Nov. 15.

Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Fluid pressure brake. 2,136,577; Nov. 15.

Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Fluid pressure brake. 2,136,578; Nov. 15.

Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Fluid pressure brake. 2,136,579; Nov. 15.

Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Fluid pressure brake. 2,136,580; Nov. 15.

Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 2,136,581; Nov. 15.

Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 2,136,582; Nov. 15.

Campbell, Charles H., Kent, Ohio. Rubber composition and compounding. 2,136,771; Nov. 15.

Campbell, William A., and R. Givens, Carbondale, Ill. Combined seat and automatic closure for dry closets. 2,136,489; Nov. 15.

Canada Paper Company. (See Grant, Dallas, assignor.)

Capital City Products Company, The. (See Moore, H. E., and Vogel, assignors.)

Capps, Washington T., Baltimore, Md., assignor to The Standard Stoker Company, Incorporated. Flexible coupling. 2,136,412; Nov. 15.

Carborundum Company, The. (See Benner, R. C., and Easter, assignors.)

Carborundum Company, The. (See Boyer, John A., assignor.)

Carhart, Raymond H., East Syracuse, assignor to W. C. Lipe, Inc., Syracuse, N. Y. Tubular knitting machine. 2,136,934; Nov. 15.

Carlstedt, Josef H. E., Stockholm, Sweden. Ski form protector. 2,136,965; Nov. 15.

Carnahan, Ralph W., near Dayton, assignor to The S. H. Thomson Manufacturing Company, Dayton, Ohio. Automatic means for operating casement windows and the like. 2,136,812; Nov. 15.

Carr, Richard H., assignor to The Pure Oil Company, Chicago, Ill. Fluid pressure pump. 2,137,108; Nov. 15.

Carrington, Homer F. (See Pranger, A., and Carrington.)

Carson, Edward B., Fort Myers, Fla. Clutch. 2,136,541; Nov. 15.

Carter, Kenneth L., Kansas City, Mo. Antitheft device. 2,136,673; Nov. 15.

Cartledge, John J., Guelph, Ontario, Canada. Suspensory. 2,137,130; Nov. 15.

Carus, Alwin C., La Salle, Ill., assignor to Carus Chemical Company, Inc. Manufacture of quinone. 2,136,966; Nov. 15.

Carus Chemical Company. (See Carus, Alwin C., assignor.)

Carus Chemical Company. (See Doran, Albert B., assignor.)

Cawein, Madison. (See Lewis, H. M., and Cawein.)

Chain Belt Company. (See Steindorf, Robert T., assignor.)

Champion Spark Plug Company. (See Rohde, Otto C., assignor.)

Charney, Aaron, Chicago, Ill. Glove. 2,136,413; Nov. 15.

Chase, Harry J. (See Kraut, S. B., and Chase.)

Chaveas, Nicholas B., Llanerch, W. C. and L. Kinsley, Philadelphia, Pa., and D. K. Howe; said Howe assignor to The Fairmont Creamery Co., Omaha, Nebr. Automatic packaging machine. 2,136,876; Nov. 15.

Cheli, Luigi, Savona, Italy. Switching device. 2,137,131; Nov. 15.

Chicago-Hutchins Corporation. (See Thompson, W. D., and Hawksworth, assignors.)

Christensen, August B., Hellertown, Pa. Antipanic theater and the like. 2,136,841; Nov. 15.

Christiansen, Walter G., Glen Ridge, N. J., and S. E. Harris, Coral Gables, Fla., assignors to E. R. Squibb & Sons, New York, N. Y. Carbanilic acid esters of substituted alkylaminoalkanols. 2,137,042; Nov. 15.

Chromy, Ben J. (See West, Samuel K., assignor.)

Chrysler Corporation. (See Maurer, Edwin R., assignor.)

Chubb, Alexander A., Coventry, assignor to The General Electric Company Limited, London, England. Controlling system for lifts. 2,137,075; Nov. 15.

Clair, Edward L., Toledo, Ohio, assignor to Interlake Iron Corporation, Chicago, Ill. Reducing iron in a blast furnace. 2,136,360; Nov. 15.

Clark, Claude D., De Land, Fla. Picture frame. 2,137,156; Nov. 15.

Clark Equipment Company. (See Lapsley, Robert, assignor.)

Clark, Ernest, Brockton, Mass. Apparatus for use in stripping wool cards. 2,136,935; Nov. 15.

Clayton, Benjamin, Houston, Tex., W. B. Kerrick, Los Angeles, and H. M. Stadt, Glendale, Calif., assignors to Refining, Inc., Reno, Nev. Apparatus for refining oils. 2,137,214; Nov. 15.

Clayton, Benjamin, Sugar Land, Tex., W. B. Kerrick, Los Angeles, and H. M. Stadt, Glendale, Calif., assignors to Refining Inc., Reno, Nev. Apparatus for producing soap of low moisture content. 2,137,213; Nov. 15.

Clements, Everett G. (See Perry, Ira D., assignor.)

Clements, Stanley, Houston, assignor of one-half to A. R. Savage, Corpus Christi, Tex. Shears. 2,136,414; Nov. 15.

Coggans, Joseph, and R. Kelso, Glasgow, Scotland. Hair curler. 2,136,783; Nov. 15.

Cohen, Joseph H., assignor to Automatic Devices Corporation, Bridgeport, Conn. Cigar lighter. 2,137,195; Nov. 15.

Cohen, Julius, New York, N. Y. Buttermilk churn. 2,136,936; Nov. 15.

Cohen, Rebecca, Brooklyn, N. Y. Book indicator. 2,136,490; Nov. 15.

Colby, Edward A., Maplewood, assignor to Baker & Company, Inc., Newark, N. J. Pertused electrode for electronic tubes. 2,136,610; Nov. 15.

Coller, Claude C., et al. (See Kriegsfeld, Louis, assignor.)

Collins & Aikman Corporation. (See McCullough, Willis G., assignor.)

Compania Fundadora Fotoliptofono, Sociedad Anonima. (See Crudo, F., and Svanholm, assignors.)

Condelex, S. A. (See Hollenweger, Hans H., assignor.)

Conner, Guy O., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Container closure. 2,137,076; Nov. 15.

Consolidated Gas Electric Light and Power Company of Baltimore. (See Betz, Paul L., assignor.)
Continental-Diamond Fibre Company. (See Graef, Omar K., assignor.)
Cook, Judson A. (See Bockius, C., Batchelor, and Cook.)
Cooley, Kenneth L., Rochester, N. Y. Duplex needle. 2,137,132; Nov. 15.
Cooper, Benjamin G., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Trolley glider. 2,136,937; Nov. 15.
Cooper, Benjamin G., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Trolley current collector. 2,136,938; Nov. 15.
Cooper, Frank P., Elizabeth, N. J., assignor, by mesne assignments, to R. E. Ogden, Mountainville, N. Y. Door closure. 2,136,611; Nov. 15.
Cooper Oven Thermometer Company, The. (See Nodine, Frederick A., assignor.)
Corbett, Alfred, Irwin, Pa., assignor to National Electric Products Corporation. Utility conduit. 2,136,583; Nov. 15.
Cornell, Elton S., assignor to Abrasive Machine Tool Co., East Providence, R. I. Metalworking machine. 2,136,491; Nov. 15.
Cornett, Walter V., Brooklyn, N. Y. Safety system and device for use therewith. 2,136,415; Nov. 15.
Coussement, Jerome. (See Monforts, J., and Coussement.)
Cowgill, William W., Fairfield, Conn., assignor to Sardik Incorporated, Jersey City, N. J. Treatment of food materials. 2,137,205; Nov. 15.
Crabbs, Herbert J., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Disconnect switch. 2,137,077; Nov. 15.
Crandall, George S. (See Moran, R. C., Fuller, and Crandall.)
Creveling, John L., near Tucson, Ariz. Lubricating means. 2,136,492; Nov. 15.
Crickmer, Charles S., assignor to Merla Tool Company, Dallas, Tex. Well packer. 2,136,674; Nov. 15.
Crittall Greenhouses Limited. (See Walker, Frederick P., assignor.)
Crommey, George, New York, N. Y. Fireproof storage compartment for vehicles. 2,136,784; Nov. 15.
Crosby, Stephen A., New York, assignor to Parrot Speed Fastener Corporation, Long Island City, N. Y. Stapling machine. 2,136,374; Nov. 15.
Crossley, Moses L., Plainfield, and L. M. Shafer, Highland Park, assignors to Calco Chemical Company, Inc., Bound Brook, N. J. Metallized acid Polyazo dyes. 2,136,650; Nov. 15.
Crowley, Clyde A., and G. H. Goodyear, assignors to The Huey Company, Chicago, Ill. Light sensitive paper and treating same. 2,137,015; Nov. 15.
Crudo, Fernando, and K. A. Svanholm, assignors to Compania Fundadora Fotoliptofono, Sociedad Anonima, Buenos Aires, Argentina. Apparatus for reproducing sound. 2,137,157; Nov. 15.
Currie, Joseph S., Winthrop, assignor to Gillette Safety Razor Company, Boston, Mass. Protected blade and packet. 2,136,939; Nov. 15.
Daller, Adrian O., Upper Darby, Pa., assignor to Utility Packages, Inc., New York, N. Y. Method and apparatus for the formation of bags and the like. 2,136,990; Nov. 15.
Dallmann, Herbert, Berlin-Karlshorst, Germany, assignor to General Electric Company. Apparatus for integrating variable quantities. 2,137,133; Nov. 15.
Danse, Launcelot A., Detroit, Mich. Coating measuring device. 2,136,675; Nov. 15.
Davis, Frank B. (See Griese, E. E., and Davis.)
Davis, Frank S., Flossmoor, Ill. Sweeper. 2,136,676; Nov. 15.
Davis, William N., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Polymerizing hydrocarbons. 2,136,785; Nov. 15.
Davison Chemical Corporation, The. (See Gabeler, W. H., Wilson, Tongue and Shoeld, assignors.)
Davison Chemical Corporation, The. (See Lednum, James M., assignor.)
Davol Rubber Company. (See Little, Jesse, assignor.)
Dawson, John W., East McKeesport, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Change amplifying means. 2,137,043; Nov. 15.
Dawson, John W., East McKeesport, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cooling jacket fabrication. 2,137,044; Nov. 15.
Day, Herbert O., St. Paul, assignor to St. Paul Hydraulic Hoist Co., Minneapolis, Minn. Hydraulic hoisting apparatus. 2,137,045; Nov. 15.
Dean, Walter B., Narberth, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Rail car truck. 2,136,733; Nov. 15.
Deans, William, Ridgewood, N. J., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Energy absorber for circuit breakers. 2,137,000; Nov. 15.
De Blois, Lewis A., New York, N. Y. Motion indicator and velocity meter. 2,136,991; Nov. 15.
Decker, Alfred, & Cohn, Inc. (See Markin, Louis, assignor.)
De Forest, Alfred V., Cambridge, Mass., assignor to Magnaflux Corporation, Chicago, Ill. Magnetic inspection. 2,136,375; Nov. 15.
De Golyer, Anthony G., New York, N. Y. Boron alloy steel. 2,137,109; Nov. 15.
De Golyer, Anthony G., New York, N. Y. Boron alloy steel. 2,137,110; Nov. 15.
Dehn, William C., Three Rivers, Mich., assignor to Fairbanks, Morse & Co., Chicago, Ill. Piston. 2,136,416; Nov. 15.
De Horvath, Zoltan, Western Springs, and W. B. Paris, Argo, Ill., assignors to The Eagle-Picher Lead Company, Cincinnati, Ohio. Manufacture of zinc sulphide. 2,136,376; Nov. 15.
Delpech, Gaston, Clamart, and R. Lambert, Levallois-Perret, assignors to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Insulators, heat resisting and similar articles, and manufacturing the same. 2,136,877; Nov. 15.
Denerich, Anthony J., Hartford, Conn., assignor, by mesne assignments, to Bemis & Call Company, Springfield, Mass. Permutation lock. 2,136,493; Nov. 15.
Denman, Harry B., Birmingham, assignor to Detroit Gasket & Manufacturing Company, Detroit, Mich. Laminated gasket. 2,136,734; Nov. 15.
Denner, Georg, Vienna, Germany. Actuating means for siphon-discharge apparatus in water flushing installations. 2,136,842; Nov. 15.
Dennison Manufacturing Company. (See Flood, Carl A., assignor.)
De-Raef Corporation. (See Fear, Ernest D., assignor.)
Detroit Gasket & Manufacturing Company. (See Denman, Harry B., assignor.)
Deutsche Hydrierwerke Aktiengesellschaft. (See Schrauth, Walther, assignor.)
Deutsche Hydrierwerke Aktiengesellschaft. (See Schrauth, W., and Stickdorn, assignors.)
Dick, Burns. (See Stroup, F. H., Dick, and Fites.)
Dietzgen, Eugene, Co. (See Langsner, Adolph, assignor.)
Dinkel, Andrew J., Clyde, N. Y. Cabinet. 2,136,843; Nov. 15.
Dinklage, Ralph, New York, N. Y. Colored cellulose azo compounds and their method of production. 2,136,377; Nov. 15.
Distillation Products, Inc. (See Hickman, Kenneth C. D., assignor.)
Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Hinge mechanism for lighting fixtures. 2,136,912; Nov. 15.
Doeppel, Carl, St. Louis, Mo. Door lock safety device. 2,136,677; Nov. 15.
Dohrn, Max. (See Schoeller, W., Dohrn, and Hohlweg.)
Dollison, Dewey H., Mount Vernon, Ohio. Liquid cooler control. 2,136,813; Nov. 15.
Donner, Julius, and F. Jancsó, Budapest, Hungary. Stylograph. 2,136,967; Nov. 15.
Doolittle, Arthur K., South Charleston, W. Va., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Vinyl resin composition. 2,136,378; Nov. 15.
Doran, Albert B., Hollywood, Calif., assignor to Carus Chemical Company, Inc. Photographic developer. 2,136,968; Nov. 15.
Dorfman, Hillier D., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Heat treating bimetal. 2,137,078; Nov. 15.
Douglass, Alfred E., assignor to Fuller Company, Catasauqua, Pa. Clinker cooling. 2,137,158; Nov. 15.
Douthett, William L. (See Grahame, J. H., and Douthett.)
Downey, Alan M., Glendo, Wyo. Combination bull rake and stacker. 2,136,417; Nov. 15.
Downey, Thomas B., Haddonfield, assignor to Kind & Knox Gelatine Co., Camden, N. J. Apparatus for cooling liquefied solids. 2,136,969; Nov. 15.
Drain, James A., Jr., and W. M. Perry, assignors to Sperry Products, Inc., Brooklyn, N. Y. Roadway inspecting means. 2,136,913; Nov. 15.
Drake, Harcourt C., Hempstead, assignor to Sperry Products, Inc., Brooklyn, N. Y. Detecting flaws. 2,136,914; Nov. 15.
Dreis & Krump Mfg. Company. (See Long, Arthur H., assignor.)
Driscoll, Dennis L., assignor to L. F. Baash, Los Angeles, Calif. Drive bushing. 2,136,418; Nov. 15.
Dual Parking Meter Company. (See Hale, G. A., and Thuesen, assignors.)
Dubonnet, André, Neuilly-sur-Seine, France. Wheel mounting. 2,136,586; Nov. 15.
Dubuar, Arthur S., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic multiswitching apparatus. 2,136,612; Nov. 15.
Duffield, William A., assignor to Juno Corporation Limited, Montreal, Quebec, Canada. Automatic power transmission. 2,136,419; Nov. 15.
Dummer, Edward J., Rochester, and E. L. Pinder, Irondequoit, assignors to Multipost Company, Rochester, N. Y. Envelope handling machine. 2,136,786; Nov. 15.
Dunham, George W., assignor, by mesne assignments, to Winchester Repeating Arms Company, New Haven, Conn. Washing machine. 2,136,787; Nov. 15.
Dunn, John S., New Orleans, La. Visualizing dioptermeter. 2,136,735; Nov. 15.
Du Pont, E. I., de Nemours & Company. (See Belcher, Clarence F., assignor.)

Du Pont, E. I., de Nemours & Company. (See Fields, Charles M., assignor.)
Du Pont, E. I., de Nemours & Company. (See Fields, Charles M. and R. T., assignors.)
Du Pont, E. I., de Nemours & Company. (See Fields, Reuben T., assignor.)
Du Pont, E. I., de Nemours & Company. (See Fox, Arthur L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Haught, John W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Marks, Barnard M., assignor.)
Durand & Huguenin S. A. (See Peyer, Eduard, assignor.)
Durham, Hobart N., Munsey Park, N. Y., assignor to Vaco Products, Inc. Power actuated clutch mechanism for automotive vehicles. 2,136,542; Nov. 15.
Dur-O-Lite Pencil Company. (See Lynn, John P., assignor.)
Dym, Joseph B., assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Protective headgear. 2,136,678; Nov. 15.
Eagle-Picher Lead Company, The. (See de Horvath, Z., and Paris, assignors.)
Easter, George J. (See Benner, R. C., and Easter.)
Eastman Kodak Company. (See Albrecht, H. F., and Branch, assignors.)
Eastman Oil Well Survey Company, et al. (See Hughes, J. D., and Bolton, assignors.)
Eastman Oil Well Survey Corporation, et al. (See Hughes, J. D., and Bolton, assignors.)
Easy Washing Machine Corporation. (See Little, Thomas J., Jr., assignor.)
Eaton Manufacturing Company. (See Jardine, Robert, assignor.)
Eclipse Aviation Corporation. (See Finnegan, M. J., and Baer, assignors.)
Edeleanu Gesellschaft m. b. H. (See Terres, E., Moos, and Ramser, assignors.)
Ederer, Lothar A. (See Calkins, Chauncey L., assignor.)
Edison General Electric Appliance Company. (See Tuttle, Will R., assignor.)
Edwards, Charles L., St. Louis, Mo. Collapsible trestle. 2,136,420; Nov. 15.
Edwards, William C., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Electric switch. 2,136,494; Nov. 15.
Egry Register Company, The. (See Gochoel, Urban F., assignor.)
Ehbrecht, Adolf, assignor to The Aromel Corporation, New York, N. Y. Atomizer. 2,136,940; Nov. 15.
Eidco, Inc. (See Hokanson, Martin, assignor.)
Ekeberg, Henning R., assignor to Aktiebolaget Svenska Elektro-Industri Companiet, Stockholm, Sweden. Fluid compass. 2,136,970; Nov. 15.
Eklund, Helen D., Duluth, Minn. Forming service portions of foodstuffs. 2,136,361; Nov. 15.
Elder, Flint C., Cleveland Heights, Ohio. Corrosion resisting steel. 2,136,736; Nov. 15.
Electro-Mechanical Research, Inc. (See Sziklai, George K., assignor.)
Emmert, Kenneth L., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Silver alloys. 2,136,915; Nov. 15.
Engel, Karl, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Attaching seam stays. 2,136,495; Nov. 15.
Ensslin, Hellmut. (See Hartmann, M., and Ensslin.)
Epperson, Newell M., assignor, by mesne assignments, to Taywal Ltd., Chattanooga, Tenn. Tinning compound. 2,136,496; Nov. 15.
Euler, Arthur E., Oakland, Calif. Spectacle and eyeglass frame or mounting. 2,136,679; Nov. 15.
Evans, Frank E. (See Travis, Alvin J., assignor.)
Everett, Arthur C., Boston, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Container filling machine. 2,136,421; Nov. 15.
Fair, Gordon M., and W. F. Wells, Cambridge, Mass; said Wells assignor to said Fair. Odor observer and odor meter. 2,136,844; Nov. 15.
Fairbanks, Morse & Co. (See Dehn, William C., assignor.)
Fairbanks, Morse & Co. (See Ritz, Frederick, assignor.)
Fairfield Engineering Company, The. (See Haines, George H., assignor.)
Fairlie, Matthew, Hammond, Ind., assignor to Sinclair Refining Company, New York, N. Y. Refining. 2,136,788; Nov. 15.
Fairmont Creamery Co., The. (See Chaveas, N. B., W. C. and L. Kinsley, and Howe.)
Falge, Robert N., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Lens. 2,137,079; Nov. 15.
Farrel-Birmingham Company. (See Kuhns, Austin, assignor.)
Fays, René. (See Picard, R., and Fays.)
Fear, Ernest D., assignor to De-Raef Corporation, Kansas City, Mo. Chocolate milk powder. 2,136,651; Nov. 15.
Federmann, Wolfgang, and J. Richter, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electron tube. 2,137,202; Nov. 15.
Fehr, John R., assignor to General Motors Corporation, Dayton, Ohio. Removable cover for latch mechanisms. 2,137,002; Nov. 15.
Fenton, George B., assignor to Blackburn Aircraft Limited, Brough, near Hull, England. Laterally controlling aircraft. 2,136,845; Nov. 15.
Ferguson, J. L., Company. (See Ferguson, John L., assignor.)
Ferguson, John L., assignor to J. L. Ferguson Company, Joliet, Ill. Carton sealing machine. 2,136,901; Nov. 15.
Fields, Charles M., Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus for polymerization of organic compounds. 2,136,425; Nov. 15.
Fields, Charles M. and R. T., Arlington, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization process. 2,136,423; Nov. 15.
Fields, Charles M. and R. T., Arlington, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization. 2,136,424; Nov. 15.
Fields, Reuben T. (See Fields, Charles M. and R. T.)
Fields, Reuben T., Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization. 2,136,422; Nov. 15.
Finch, William G. H., New York, N. Y. Telepicture electro-optical system. 2,136,780; Nov. 15.
Finnegan, Martin J., New York, N. Y., and H. Baer, Jersey City, assignors to Eclipse Aviation Corporation, East Orange, N. J. Spark plug. 2,136,497; Nov. 15.
Fischer, Heinrich, assignor to E. Horn, Nuremberg, Germany. Toy vehicle. 2,137,159; Nov. 15.
Fischer, Herbert G. M., Westfield, and C. E. Gustafson, Elizabeth, N. J., assignors to Standard Oil Development Company. Motor fuel. 2,137,080; Nov. 15.
Fisher, Glenn, Bowling Green, Ky. Hair waving pad wringer. 2,136,737; Nov. 15.
Fites, Cyril B. (See Stroup, F. H., Dick, and Fites.)
Fleischel, Gaston, Bleneau, France. Variable speed mechanism. 2,136,971; Nov. 15.
Fleischer, Joseph, East Alton, Ill., assignor to Servel, Inc., New York, N. Y. Absorption refrigeration. 2,136,790; Nov. 15.
Fleischer, Joseph, East Alton, Ill., assignor to Servel, Inc., New York, N. Y. Working fluid for absorption refrigerating machines. 2,136,791; Nov. 15.
Flett, Lawrence H., Hamburg, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Sulphuric acid derivatives of fatty acid diesters of glycols. 2,136,379; Nov. 15.
Flooter, Frederick S., assignor to Wickes Bros., Saginaw, Mich. Broaching machine. 2,136,680; Nov. 15.
Flood, Carl A., assignor to Dennison Manufacturing Company, Framingham, Mass. Attaching and printing machine and method. 2,136,941; Nov. 15.
Flynn, Alfred A., Cleveland Heights, assignor to Mueller Electric Company, Cleveland, Ohio. Battery connecter. 2,136,814; Nov. 15.
Folk, Joseph, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 2,136,792; Nov. 15.
Folkman, Robert A., assignor to Nebel Knitting Company, Charlotte, N. C. Stocking. 2,136,426; Nov. 15.
Follsain Syndicate Limited. (See Sainderichin, Nicolas, assignor.)
Food Machinery Corporation. (See Morse, James W., assignor.)
Food Machinery Corporation. (See Thompson, A. R., and Magnuson, assignors.)
Foote, Daniel J. (See Habram, C. E., and Foote.)
Ford Motor Company. (See Toelle, August, assignor.)
Förster, August, and L. Ruckert, Würzburg, Germany. Orthopedic boot or shoe. 2,136,815; Nov. 15.
Forstrom, Edward E., Stratford, assignor to The Bryant Electric Company, Bridgeport, Conn. Switch with thermal releases. 2,137,134; Nov. 15.
Forsyth, George H., Oak Park, Ill. Advertising device. 2,136,429; Nov. 15.
Fouquet, Walter, Zeuthen (Mark), Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Rectifier system. 2,137,040; Nov. 15.
Fowler, Lewis M., et al. (See Amidon, Roy C., assignor.)
Fox, Arthur L., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Indigoid dye reduction products and making the same. 2,136,427; Nov. 15.
Fox, Arthur L., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Unsymmetrical modified leuco derivatives of indigoid dyes. 2,136,428; Nov. 15.
Franke, Erich, assignor to firm of Carl Zeiss, Jena, Germany. Cam follower mechanism. 2,137,081; Nov. 15.
Frankl, Mathias, Augsburg, Germany, assignor to American Oxythermic Corporation, New York, N. Y. Smelting and reduction of minerals. 2,136,430; Nov. 15.
Franklin, Walter V. A., New York, N. Y. Chromatic harp. 2,137,160; Nov. 15.
Franzén, Hjalmar, Bodsjo, Sweden. Swivel for preventing the twisting of fishing lines of spinning tackles and the like. 2,137,016; Nov. 15.
Frazier, William G., Philadelphia, Pa. Clam opener. 2,136,816; Nov. 15.
Frederick, Donald S. (See Marvel, C. S., and Frederick.)
Free, John W., Aliquippa, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Apparatus for welding. 2,136,772; Nov. 15.
Freeman, Walter R. (See Boldt, W. F., and Freeman.)

Freetag, Henry C., H. P. O'Dell, and F. W. Smith, Kansas City, Kans. Communion set. 2,136,916; Nov. 15.
Freeze, Jonathan R., assignor to The American Rolling Mill Company, Middletown, Ohio. Method and apparatus for making helical lock seam culverts. 2,136,942; Nov. 15.
Freeze, Jonathan R., assignor to The American Rolling Mill Company, Middletown, Ohio. Manufacture of helical lock seam pipe. 2,136,943; Nov. 15.
French, Alfred W., Chicago, Ill. Machine for treating concrete mix and laying and surfacing the same. 2,136,917; Nov. 15.
Frey, Charles N. (See Schultz, A. S., and Frey.)
Freyn Engineering Company. (See Bleibtreu, Herman, assignor.)
Fridaker, Albert B. (See Winkelmann, H. A., and Fridaker.)
Friedberger-Aaron Manufacturing Company. (See Aull, Harry, assignor.)
Friedman, Isadore. (See Brussell, Jacob, assignor.)
Fulke, Frank L., Terre Haute, Ind., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Making mining machine chain cutter bits. 2,137,215; Nov. 15.
Fuller Company. (See Douglass, Alfred E., assignor.)
Fuller, Everett W. (See Moran, R. C., Fuller, and Crandall.)
Fulton, James H. (See Schreyer, Charles G., assignor.)
Fulton, Karl H., and J. L. Illig, Pittsburgh, Pa., assignors to Ball Chemical Company. Film deposition. 2,136,681; Nov. 15.
Fulton Syphon Company, The. (See Giesler, Jean V., assignor.)
Furlotti, Amato, Milan, Italy. Lubricating oil. 2,136,846; Nov. 15.
Fuwa, Kitsuzo, Tokyo, and S. Ito, Yokohama, Japan, assignors to General Electric Company. Improved dielectric material and making the same. 2,137,135; Nov. 15.
Gabeler, William H., A. C. Wilson, T. O. Tongue, and M. Shoeld, Baltimore, Md., assignors, by mesne assignments, to The Davison Chemical Corporation. Treatment of superphosphate. 2,136,793; Nov. 15.
Gagnier, George E. (See Plaçe, Bion C., assignor.)
Galvin Manufacturing Corporation. (See Wood, Raymond E., assignor.)
Gammon, Benjamin W., St. Albans, N. Y. Folding chair. 2,136,543; Nov. 15.
Gardalle, Charles S., Long Island City, N. Y. Baseboard for plaster and the like. 2,136,431; Nov. 15.
Garrett, Robert F. (See Butterfield, L. B., Garrett, and Park.)
Garrison, Harry E., assignor to H. B. Glover Company, Dubuque, Iowa. Garment. 2,136,380; Nov. 15.
Gas Refrigeration Corporation. (See Otto, S., and Bruehl, assignors.)
Gaskill, Donald S., Lyndonville, N. Y. Feeding and watering device. 2,136,587; Nov. 15.
Gasnier, Georges R., La Suze, France, assignor to Jacques Wolf & Company, Passaic, N. J. Preparing chamois leather. 2,136,433; Nov. 15.
Gates, Henry S., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical apparatus. 2,137,082; Nov. 15.
Gattuso, Salvatore, Ozone Park, N. Y., assignor to Tovers of Summit, Inc., Summit, N. J. Apparatus for molding. 2,136,432; Nov. 15.
Gebauer-Fuelnegg, Erich, deceased; by M. Gebauer-Fuelnegg, Evanston, Ill., administratrix, E. W. Moffett, Pittsburgh, Pa., and E. M. Kratz, Chicago, Ill., assignors to Marbon Corporation, Gary, Ind. Transparent coated sheet material. 2,136,544; Nov. 15.
Gebauer-Fuelnegg, Marie, administratrix. (See Gebauer-Fuelnegg, E., Moffett, and Kratz.)
General Aniline Works, Inc. (See Huber, E., and Vogt, assignors.)
General Aniline Works, Inc. (See Roos, Hans, assignor.)
General Animated Signs, Limited. (See Best, John G., assignor.)
General Auto Parts Corporation. (See Rockwell, Edward A., assignor.)
General Electric Company. (See Bedford, Burnice D., assignor.)
General Electric Company. (See Burmeister, Hermann, assignor.)
General Electric Company, The. (See Chubb, Alexander A., assignor.)
General Electric Company. (See Dallmann, Herbert, assignor.)
General Electric Company. (See Fuwa, K., and Ito, assignors.)
General Electric Company. (See Knight, James L., assignor.)
General Electric Company. (See Malloy, John J., assignor.)
General Electric Company. (See Marshaus, Anthony J., assignor.)
General Electric Company. (See McCarty, Orin P., assignor.)
General Electric Company. (See Melchior, Paul, assignor.)
General Electric Company. (See Quackenbush, Cleveland H., assignor.)
General Electric Company. (See Suits, Chauncey G., assignor.)
General Motors Corporation. (See Blomberg, Martin P., assignor.)
General Motors Corporation. (See Edwards, William C., assignor.)
General Motors Corporation. (See Falge, Robert N., assignor.)
General Motors Corporation. (See Fehr, John R., assignor.)
General Motors Corporation. (See Geyer, Harvey D., assignor.)
General Motors Corporation. (See Henne, Albert L., assignor.)
General Motors Corporation. (See Hull, Harry B., assignor.)
General Motors Corporation. (See Kamrath, Herbert G., assignor.)
General Motors Corporation. (See Koubek, John L., assignor.)
General Motors Corporation. (See Large, Samuel R., assignor.)
General Motors Corporation. (See McDougal, Taine G., assignor.)
General Motors Corporation. (See Michel, C. A., Mead, and Winkelmeyer, assignors.)
General Motors Corporation. (See Smith, Harry F., assignor.)
General Motors Corporation. (See Vuilleumier, Albert, assignor.)
Geyer, Harvey D., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Electric push-in plug. 2,136,498; Nov. 15.
Gibbs, John C., Brooklyn, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Cap and package. 2,136,545; Nov. 15.
Giesler, Jean V., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Temperature regulator for internal combustion engines. 2,137,136; Nov. 15.
Gilbert, A. C., Company, The. (See Rieg, Otto, assignor.)
Gilbert, Roswell W., East Orange, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Automatic control system. 2,136,682; Nov. 15.
Giller, Alexander. (See Berka, F., and Giller.)
Gillette Safety Razor Company. (See Currie, Joseph S., assignor.)
Gillette Safety Razor Company. (See Pierce, Melbourne H., assignor.)
Gilman Fanfold Corporation. (See Mabon, Carl R., assignor.)
Giordano, Joseph, Nanuet, N. Y. Railway tank car heating apparatus. 2,136,738; Nov. 15.
Givens, Robert. (See Campbell, W. A., and Givens.)
Gliwa, Michael, Chicago, Ill. Extensible airplane wing. 2,137,047; Nov. 15.
Gloor, Walter E., South River, N. J., assignor to Hercules Powder Company, Wilmington, Del. Composition of matter. 2,136,499; Nov. 15.
Glover, H. B., Company. (See Garrison, Harry E., assignor.)
Glover, H. B., Company. (See Nelson, Elias W., assignor.)
Gochoel, Urban F., assignor to The Egry Register Company, Dayton, Ohio. Printing machine. 2,136,683; Nov. 15.
Göhre, Kurt R., Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Treating lead ores. 2,136,434; Nov. 15.
Goldacker, Edward H., Jamaica, assignor of one-fourth to C. Cacioppo, Ridgewood, one-fourth to C. Cacioppo, Forest Hills, and one-fourth to J. Cacioppo, West Forest Hills, N. Y. Sanitary pipe coupling. 2,137,137; Nov. 15.
Goldschmidt, Th., A.-G. (See Wiedbrauck, E., Schrader, and Büche, assignors.)
Good, John N., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,137,017; Nov. 15.
Goodrich, B. F., Company, The. (See Busse, Warren F., assignor.)
Goodyear, George H. (See Crowley, C. A., and Goodyear.)
Görnitz, Karl. (See Schotte, H., and Görnitz.)
Gort, Godfrey, assignor to Western Railroad Supply Company, Chicago, Ill. Cable outlet. 2,136,546; Nov. 15.
Gort, Godfrey, assignor to Western Railroad Supply Company, Chicago, Ill. Electrical conductor outlet. 2,136,547; Nov. 15.
Goshi Kaisha Masuzawa Shoten. (See Kakizaki, Hisashi, assignor.)
Govers, Francis X., Vincennes, Ind., assignor to The Indian Refining Company, Lawrenceville, Ill. Solvent refining hydrocarbon oil. 2,137,206; Nov. 15.
Govers, Francis X., Vincennes, Ind., assignor to The Indian Refining Company, Lawrenceville, Ill. Refining hydrocarbon oils. 2,137,218; Nov. 15.
Graceform-Camlin Corset Co. (See Imershein, Matthias, assignor.)
Graef, Omar K., Chicago, Ill., assignor to Continental-Diamond Fibre Company, Newark, Del. Segmental bearing. 2,137,138; Nov. 15.
Grahame, James H., Mount Vernon, and W. L. Douthett, Jackson Heights, assignors to The Texas Company, New York, N. Y. Removing wax and asphaltic constituents from oil. 2,137,207; Nov. 15.

Grant, Dallas, Windsor Mills, Quebec, assignor to Canada Paper Company, Montreal, Quebec, Canada. Apparatus for making laminated wrapping papers. 2,136,739; Nov. 15.
Grantham, Aubrey B., Douglaston, N. Y. Traffic signal. 2,137,161; Nov. 15.
Graunke, Harry W., Cedar Falls, Iowa. Auxiliary Automobile floor. 2,136,972; Nov. 15.
Graves, J. H. (See Grimwood, Oscar, assignor.)
Greavu, Tanase, Dearborn, Mich. Toilet seat. 2,136,684; Nov. 15.
Greenfield, Andy J. (See Vernon, G. G., and Greenfield.)
Greenwald, Fannie, executrix. (See Greenwald, Isidor.)
Greenwald, I., Company. (See Greenwald, Isidor, assignor.)
Greenwald, Isidor, deceased; F. Greenwald, executrix, assignor to I. Greenwald Company, Inc., Gary, Ind. Surgical instrument. 2,137,121; Nov. 15.
Griese, Eugene E., Shaker Heights, and F. B. Davis, Cleveland Heights, Ohio. Control device for internal combustion engines. 2,136,500; Nov. 15.
Griffin, Walter H., executor. (See MacLachlan, Angus.)
Griffin, William L., Sr., assignor to Nebel Knitting Company, Charlotte, N. C. Hose stripper. 2,136,902; Nov. 15.
Griffiths, E. A., et al. (See Neilson, Don M., assignor.)
Grimwood, Oscar, assignor of one-half to J. H. Graves, Lexington, Ky. Knockdown container. 2,136,847; Nov. 15.
Gross, Howard H., Beacon, and W. Kiersted, Jr., Scarsdale, assignors to The Texas Company, New York, N. Y. Dewaxing wax-bearing oil. 2,137,208; Nov. 15.
Grumbacher, Walter, assignor to Spiral Binding Co. Inc., New York, N. Y. Binding construction and method. 2,136,878; Nov. 15.
Guiberson Corporation, The. (See Pranger, A., and Carrington, assignors.)
Guinot, Henri M., Niort, Deux-Sevres, assignor to Usines de Melle, Melle, France. Manufacture of esters, especially of ethyl acetate. 2,136,613; Nov. 15.
Gull, Rudolf, Affton, assignor to Anheuser-Busch, Inc., St. Louis, Mo. Manufacturing beer. 2,136,685; Nov. 15.
Gustafson, Clifford E. (See Fischer, H. G. M., and Gustafson.)
Haber, Deborah L. (See Haber, Manuel and D. L.)
Haber, Manuel and D. L., Philadelphia, Pa. Children's garment construction. 2,136,879; Nov. 15.
Habram, Charles E., Milwaukee, and D. J. Foote, West Allis, assignors to Master Lock Company, Milwaukee, Wis. Padlock. 2,136,435; Nov. 15.
Haines, George H., Caledonia, assignor to The Fairfield Engineering Company, Marion, Ohio. Mixing apparatus. 2,137,083; Nov. 15.
Hale, Gerald A., Oklahoma City, and H. G. Thuesen, Stillwater, Okla., assignors to Dual Parking Meter Company. Coin controlled time measuring mechanism. 2,137,111; Nov. 20.
Hamilton Manufacturing Company. (See Scheuer, Ralph I., assignor.)
Hammond Machinery Builders, Inc. (See Hobart, J. P., and Krueger, assignors.)
Hanna, Atto N., assignor to Parallex Corporation, Newark, N. J. Bookbinding machine. 2,136,773; Nov. 15.
Hano, Edward, Holyoke, Mass. Transfer sheet holder. 2,136,817; Nov. 15.
Hardinge Company. (See Hardinge, Harlowe, assignor.)
Hardinge, Harlowe, assignor to Hardinge Company, Incorporated, York, Pa. Classifier. 2,136,686; Nov. 15.
Harjes, William J. D., Woodside, Long Island, N. Y. Signaling mechanism. 2,136,794; Nov. 15.
Harley, Bertron G., Saco, Maine, assignor to St. Paul Hydraulic Hoist Company, Minneapolis, Minn. Levelizer. 2,136,614; Nov. 15.
Harnly, David H., deceased, Chicago, Ill.; W. R. Matheny, administrator. Weather strip and making the same. 2,136,087; Nov. 15.
Harrington, Alfred L., Rosslyn Farms, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Apparatus for cutting curved glass sheets. 2,137,112; Nov. 15.
Harris, Sidney E. (See Christiansen, W. G., and Harris.)
Hart, Guy A., Salt Lake City, Utah. Traversograph. 2,136,944; Nov. 15.
Hart, Stanley, Kensington, assignor to Tuttle & Bailey, Inc., New Britain, Conn. Remote control for ventilating devices. 2,136,652; Nov. 15.
Hartmann, Max, Riehen, and H. Ensslin, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Pyridine-ortho-dicarboxylic acid diamines. 2,136,502; Nov. 15.
Hartmann, Max, and L. Panizzon, Riehen, near Basel, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. (Mercuric n-propyl) pyridyl carboxylamides. 2,136,501; Nov. 15.
Hartmann, Max, and L. Panizzon, Riehen, near Basel, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. N-substituted pyridine carboxyl amide mercuric compound. 2,136,503; Nov. 15.
Hartmann Trunk Company. (See Bracken, Wallace H., assignor.)
Hassler, Willard O., Kent, Ohio. Detachable connecter. 2,136,848; Nov. 15.
Haught, John W., Arlington, N. J., assignor by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Laminated article. 2,136,436; Nov. 15.
Hauthaway, Clarence L., Newton, Mass. Protective coating. 2,137,084; Nov. 15.
Hawksworth, David W. (See Thompson, W. D., and Hawksworth.)
Hawley, Jesse B. (See Sloan, E. C., and Sporre, assignors.)
Hazeltine Corporation. (See Lewis, H. M., and Cawein, assignors.)
Healis, George A., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Circuit breaker and energy absorber therefor. 2,137,001; Nov. 15.
Healy, Harold T., Milton, assignor to The Waverly Heating Supply Co., Boston, Mass. Range. 2,137,003; Nov. 15.
Hedgcock, William C. (See Pierce, R. C., and Hedgcock.)
Helmersen, Adolf K., Astoria, Oreg. Fire alarm. 2,136,740; Nov. 15.
Hembree, Charles O., Konawa, Okla. Pick-up rake. 2,136,849; Nov. 15.
Henne, Albert L., Columbus, assignor to General Motors Corporation, Dayton, Ohio. Halide detector. 2,136,741; Nov. 15.
Henrite Products Corportion. (See Loftis, Homer J., assignor.)
Hensel, Franz R., and E. I. Larsen, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Copper-uranium alloys. 2,136,548; Nov. 15.
Hensel, Franz R., and E. I. Larsen, assignors to P. R. Mallory & Co., Ind., Indianapolis, Ind. Copper-uranium alloys. 2,136,549; Nov. 15.
Hensel, Franz R., and E. I. Larsen, assignorts to P. R. Mallory & Co., Inc., Indianapolis, Ind. Copper alloys. 2,136,918; Nov. 15.
Hensel, Franz R., and E. I. Larsen, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Copper alloys of improved characteristics. 2,136,919; Nov. 15.
Herbener, Henry M., Thomasville Ga. Garter, girdle, brassière or like garment. 2,136,742; Nov. 15.
Hercules Powder Company. (See Gloor, Walter E., assignor.)
Hercules Powder Company. (See Rummelsburg, Alfred L., assignor.)
Hergenrader, Philip. (See Amos, A. G., McGrew, and Hergenrader.)
Hergott, Albert, Waterloo, Ontario, Canada. Foam control cooler for beverages. 2,136,973; Nov. 15.
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake control means. 2,137,018; Nov. 15.
Heynssens, Joseph L., Brussels, Belgium. Heating structure for drying, ironing, calendering, and similar machines. 2,136,992; Nov. 15.
Hickman, Kenneth C. D., assignor, by mesne assignments, to Distillation Products, Inc., Rochester, N. Y. Treatment of oils. 2,136,774; Nov. 15.
Hilbert, George L., and A. E. and J. H. West, Ladysmith, Wis. Safety device for motors. 2,136,504; Nov. 15.
Hile, Charles L., Louisville, Ky. Electric contact plug. 2,137,162; Nov. 15.
Hile, Leslie M., Benton Harbor, Mich. Friction clutch. 2,136,381; Nov. 15.
Hill, Marley G., Brooklyn, N. Y. Fluid clutch. 2,136,920; Nov. 15.
Hirschfeld, Rudolf, New York, N. Y. Vest pocket construction. 2,137,085; Nov. 15.
Hirschfeld, Rudolf, New York, N. Y. Vest construction. 2,137,086; Nov. 15.
Hirschfeld, Rudolf, New York, N. Y. Spool carrier. 2,137,087; Nov. 15.
Hirschson, Richard, Berlin-Pankow, Germany. Machine for automatic forming and delivery of ice-cream. 2,136,505; Nov. 15.
Hobart, John P., Kalamazoo, and E. C. Krueger, Otsego, assignors to Hammond Machinery Builders, Inc., Kalamazoo, Mich. Work clamp. 2,137,113; Nov. 15.
Hobart Manufacturing Company, The. (See Von Pein, Edward J., assignor.)
Hoe, R., & Co. (See Huck, William F., assignor.)
Hoerer, Martin. (See Bley, F., and Hoerer.)
Hoffman, J. C., Inc. (See Hoffman, Joseph C., assignor.)
Hoffman, Joseph C., Yonkers, assignor to J. C. Hoffman, Inc., New York, N. Y. Container. 2,136,795; Nov. 15.
Hoffmann-La Roche Inc. (See Schnider, Otto, assignor.)
Hohf, John P. (See Sherrard, E. C., Beglinger, Hohf and Bateman.)
Hohlweg, Walter. (See Schoeller, W., Dohrn, and Hohlweg.)
Hokanson, Martin, assignor to Eidco, Inc., Duluth, Minn. Ice rack. 2,136,615; Nov. 15.
Hokanson, Martin, assignor to Eidco, Inc., Duluth, Minn. Grinder workstand. 2,136,616; Nov. 15.
Hokanson, Martin, assignor to Eidco, Inc., Duluth, Minn. Joint. 2,136,617; Nov. 15.
Hollenweger, Hans H., Zurich, assignor to Condelex, S. A., Zug, Switzerland. Method and machine for manufacturing elastic helical conducting cords. 2,136,743; Nov. 15.

Hollestelle, Jan H., Evanston, Ill., assignor, by mesne assignments, to U. S. Electrical Motors, Inc. Variable speed transmission. 2,136,437; Nov. 15.
Holm, Sverre, Oslo, Norway. Ski binding. 2,137,048; Nov. 15.
Holmberg, Anders, Stockholm, Sweden. Sintering of concentrates, ores, or the like. 2,137,049; Nov. 15.
Honey, Thomas H., New York, N. Y. Protector for electric plugs. 2,136,850; Nov. 15.
Honigman, Hans, East Cleveland, Ohio, assignor, by mesne assignments, to Marbon Corporation, Chicago, Ill. Sheet drier. 2,136,880; Nov. 15.
Hopkins, George J., assignor to McCray Refrigerator Company, Kendallville, Ind. Refrigerator. 2,136,362; Nov. 15.
Hopwood, John A., Great Neck, N. Y. Bottle crate. 2,137,114; Nov. 15.
Horany, Ray N. (See Mitchell, Harley L., assignor.)
Horn, Albright, Helena, Ark. Cotton-gin condenser. 2,136,506; Nov. 15.
Horn, Ernst. (See Fischer, Heinrich, assignor.)
Horsrud, Ole, assignor to Sears, Roebuck and Co., Chicago, Ill. Adjustable tension clutch for fishing reels. 2,136,438; Nov. 15.
Houdry, Eugene J., Rosemont, Pa., assignor to Houdry Process Corporation, Dover, Del. Catalytic conversion of hydrocarbons. 2,136,382; Nov. 15.
Houdry Process Corporation. (See Houdry, Eugene J., assignor.)
Houghton, George E., Cedar Rapids, Iowa. Fuel feeding means. 2,136,688; Nov. 15.
Howard, Michael, Endicott, Wash. Gang plow. 2,136,550; Nov. 15.
Howe, Donald K. (See Chaveas, N. B., W. C. and L. Kinsley, and Howe.)
Howland, Henry R., Brooklyn, N. Y. Vehicle wheel. 2,137,088; Nov. 15.
Huber, Eugen, and W. Vogt, Leverkusen I. G. Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyestuffs of the safranine series. 2,136,507; Nov. 15.
Hubley Manufacturing Company, The. (See Brubaker, Jacob E., assignor.)
Huck, William F., Richmond Hill, assignor to R. Hoe & Co., Inc., New York, N. Y. Printing plate casting machine. 2,136,383; Nov. 15.
Hudd, Alfred E., Worth, Crawley, England. Train control system. 2,136,439; Nov. 15.
Huebner, William C., New York, N. Y. Controlling photographic exposures. 2,136,588; Nov. 15.
Huey Company, The. (See Crowley, C. A., and Goodyear, assignors.)
Hufferd, George H., Detroit, Mich., assignor to Thompson Products, Incorporated, Cleveland, Ohio. Trailer hitch. 2,136,440; Nov. 15.
Hughes, James D., and R. F. Bolton, assignors of one-half to Eastman Oil Well Survey Company, Dallas, Tex., and one-half to Eastman Oil Well Survey Corporation, Los Angeles, Calif. Orienting pipe. 2,136,689; Nov. 15.
Hull, Harry B., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,136,618; Nov. 15.
Hume, Horace D., and J. E. Love, assignors to Hume-Love Company, Garfield, Wash. Conveyer belt. 2,136,363; Nov. 15.
Hume-Love Company. (See Hume, H. D., and Love, assignors.)
Humphrey, Clen S., Brooklyn, N. Y. Dispensing top for containers. 2,136,508; Nov. 15.
Humphreys, Edwin S., assignor to Patents, Incorporated, Aurora, Ill. X-ray apparatus. 2,137,122; Nov. 15.
Humphreys, Edwin W. A., and P. H. I., London, England, and T. D. Key, assignors of one-half to said Key and one-half to R. Walton, Alexandria, Egypt. Sedimentation apparatus or thickener. 2,136,903; Nov. 15.
Humphreys, Percy H. I. (See Humphreys, Edwin W. A., and P. H. I., and Key.)
Huye, Joseph G., New Orleans, La. Hat packing stay and combination package. 2,136,744; Nov. 15.
Hygrade Sylvania Corporation. (See Miller, Carl F., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Asch, W., Janz, Pense, and Voss, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Orthner, L., and Zaucker, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schlack, Paul, assignor.)
I-T-E Circuit Breaker Company. (See Deans, William, assignor.)
I-T-E Circuit Breaker Company. (See Healis, George A., assignor.)
Iannetta, Michele A., New York, N. Y. Oil silk covering for men's hats. 2,137,050; Nov. 15.
Illig, John L. (See Fulton, K. H., and Illig.)
Illinois Tool Works. (See Olson, Carl G., assignor.)
Imershein, Matthias, assignor to Graceform-Camlin Corset Co., Inc., New York, N. Y. Undergarment. 2,137,163; Nov. 15.
Indian Refining Company, The. (See Govers, Francis X., assignor.)
Industrial Rayon Corporation. (See Kline, Hayden B., assignor.)
Industrial Rayon Corporation. (See Lovett, Louis E., assignor.)
Ingersoll-Rand Company. (See MacLean, John A., assignor.)
Ingersoll-Rand Company. (See Seeley, De Forest H., assignor.)
Interlake Iron Corporation. (See Clair, Edward L., assignor.)
International Harvester Company. (See Baker, D. B., and Overholt, assignors.)
International Harvester Company. (See Benjamin, Bert R., assignor.)
International Harvester Company. (See Johnson, Gustave A., assignor.)
International Harvester Company. (See Raney, C. R., and Welty, assignors.)
International Harvester Company. (See Smith, Hiram P., assignor.)
International Supply Company. (See Johnson, Roy A., assignor.)
Ito, Shuyo. (See Fuwa, K., and Ito.)
Jacobi, William H. (See Yost, I. A., and Jacobi.)
Jain, Clyde C., Denver, Colo. Apparatus for the lixiviation of mineral ores. 2,137,051; Nov. 15.
Jancsó, Ferenc. (See Donner, J., and Jancsó.)
Janetschke, Erwin, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Arrangement for converting alternating currents. 2,137,052; Nov. 15.
Janz, Heinrich. (See Asch, W., Janz, Pense, and Voss.)
Jardine, Robert, Detroit, Mich., assignor, by mesne assignments, to Eaton Manufacturing Company, Cleveland, Ohio. Internal combustion engine valve and seat. 2,136,690; Nov. 15.
Jasperson, Fred F., Topeka, Kans. Pocket ornament. 2,136,691; Nov. 15.
Jeffrey Manufacturing Company, The. (See Cooper, Benjamin G., assignor.)
Jeffrey Manufacturing Company, The. (See Fulke, Frank L., assignor.)
Jellinghaus, Norman K., Philadelphia, Pa. Smoking pipe. 2,136,745; Nov. 15.
Jenness, Leslie G., Brooklyn, N. Y. Catalyst pellet and process of making. 2,136,509; Nov. 15.
Jensen, Christian W. (See McKinney, L. J., and Jensen.)
Jensen, Gustav B., West Palm Beach, Fla. Automobile seat inflation device. 2,136,510; Nov. 15.
Jess, Henry, Sabula, Iowa. Cultivator attachment. 2,136,851; Nov. 15.
Johns-Manville Corporation. (See Bruce, Donald S., assignor.)
Johnson, Bror G., Chicago, Ill. Four wheel drive. 2,136,692; Nov. 15.
Johnson, Gustave A., Berwyn, Ill., assignor to International Harvester Company. Wheel-making machine. 2,136,619; Nov. 15.
Johnson, Jack, Taft, assignor, by mesne assignments, to W. J. Nimmer, Los Angeles, Calif. Well washer. 2,136,881; Nov. 15.
Johnson, Roy A., assignor to International Supply Company, Tulsa, Okla. Counterbalance for crankshafts. 2,137,164; Nov. 15.
Jones & Laughlin Steel Corporation. (See Free, John W., assignor.)
Jones, Mary, et al. (See Nash, William C., assignor.)
Jones, Poyner J., Cristobal, Panama Canal Zone. Combined pull and release trigger. 2,136,511; Nov. 15.
Jones, William C., Tappan, N. Y., and G. Siese, Park Ridge, N. J. Window. 2,137,053; Nov. 15.
Joy, Joseph F., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 2,136,921; Nov. 15.
Juno Corporation Limited. (See Duffield, William A., assignor.)
Kahmar, William A., Philadelphia, Pa. Baseball glove. 2,136,882; Nov. 15.
Kakizaki, Hisashi, assignor of one-half to Goshi Kaisha Masuzawa Shoten, Okaya City, Japan. Making of silk knitting. 2,136,589; Nov. 15.
Kalle & Co. Aktiengesellschaft. (See Voigt, Wilhelm, assignor.)
Kalman, Nicholas L., Cambridge, Mass. Cellulose derivative compositions. 2,136,384; Nov. 15.
Kamrath, Herbert G., Flint, assignor to General Motors Corporation, Detroit, Mich. Crankcase breather and oil filter pipe assembly. 2,137,054; Nov. 15.
Kanovitz, Meyer J., Fall River, Mass. Garment. 2,136,974; Nov. 15.
Karolus, August, Leipzig, Germany, assignor to Radio Corporation of America. Television system. 2,136,441; Nov. 15.
Karolus, August, Leipzig, Germany, assignor to Radio Corporation of America. Television system. 2,136,442; Nov. 15.
Kaufman, Young, New York, N. Y., and V. K. La Mer, Leonia, N. J.; said La Mer assignor to said Kaufman. Refrigerating composition. 2,136,385; Nov. 15.
Kaufmann, K., & Co. (See Levien, Alvin L., assignor.)
Keeten, Thomas W., Glade, Kans. Tractor wheel lug chain. 2,136,975; Nov. 15.
Keller, Curt, assignor to Aktiengesellschaft fuer Technische Studien, Zurich, Switzerland. Variable-speed power transmission device. 2,137,139; Nov. 15.
Kelsey-Hayes Wheel Company. (See Le Jeune, Frank H., assignor.)

Kelsey-Hayes Wheel Company. (See Sawtelle, Charles A., assignor.)
Kelsey-Hayes Wheel Company. (See Sinclair, Charles W., assignor.)
Kelso, Robert. (See Coggans, J., and Kelso.)
Kepler, William R., Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Stand for tanks. 2,136,443; Nov. 15.
Kerrick, Walter B. (See Clayton, B., Kerrick, and Stadt.)
Kestenman Bros. Mfg. Co. (See Kestenman, Charles H., assignor.)
Kestenman, Charles H., assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Chain or linkage. 2,136,818; Nov. 15.
Key, Thomas D. (See Humphreys, Edwin W. A., and P. H. I., and Key.)
Kiersted, Wynkoop, Jr. (See Gross, H. H., and Kiersted.)
Kind & Knox Gelatine Co. (See Downey, Thomas B., assignor.)
King, Archie P., Red Bank, and R. S. Ohl, Little Silver, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Antenna selector system. 2,136,621; Nov. 15.
King, Gerald V., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,136,620; Nov. 15.
Kinsley, Lewis. (See Chaveas, N. B., W. C. and L. Kinsley, and Howe.)
Kinsley, William C. (See Chaveas, N. B., W. C. and L. Kinsley, and Howe.)
Kleerup, Bertel J., assignor to Society for Visual Education, Inc., Chicago, Ill. Slide carrier. 2,136,746; Nov. 15.
Klein, Felix, Brunn, Czechoslovakia. Odor-trap draining device. 2,136,945; Nov. 15.
Kline, Hayden B., assignor to Industrial Rayon Corporation, Cleveland, Ohio. Manufacture of thread or the like. 2,136,386; Nov. 15.
Knapp, John F., Oakland, Calif., assignor to American Tractor Equipment Corporation. Earth moving device. 2,136,551; Nov. 15.
Knapp-Monarch Company. (See Smith, Howard A., assignor.)
Knauth, Ernest F., deceased, by F. O. Knauth, executrix, Brooklyn, N. Y. Adjustable chair. 2,136,852; Nov. 15.
Knauth, Fifine O., executrix. (See Knauth, Ernest F.)
Knecht, Alfred, Stuttgart-Bad-Cannstatt, Germany. Filter. 2,136,853; Nov. 15.
Knight, James L., Erie, Pa., assignor to General Electric Company. Refrigerator cabinet. 2,137,165; Nov. 15.
Kniskern, Walter H., Petersburg, Va., assignor, by mesne assignments, to The Solvay Process Company, New York, N. Y. Control mechanism. 2,136,693; Nov. 15.
Knott, Carl, Philadelphia, Pa. Latch operating mechanism for automobiles. 2,136,854; Nov. 15.
Knowles, Edwin C., Beacon, assignor to The Texas Company, New York, N. Y. Dewaxing mineral oil. 2,137,209; Nov. 15.
Knowles, Freeman, assignor of one-half to W. La Rowe, Northville, N. Y. Fur clipping machine. 2,137,166; Nov. 15.
Koester, Herman W., Acme, N. C. Tobacco curing shed and heating plant therefor. 2,136,922; Nov. 15.
Kohn, Louis, New York, N. Y. Sleeve and expansion insert therefor. 2,136,444; Nov. 15.
Koppers-Rheolaveur Company. (See Nichols, Fay I., assignor.)
Koski, Matt W., Raymond, Wash. Shingle butt trimming mechanism. 2,136,622; Nov. 15.
Kosman, John. (See Brykczynski, C. S., and Kosman.)
Koubek, John L., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Lens for asymmetric head lamps. 2,137,055; Nov. 15.
Kramer, Erwin, Berlin, Germany, assignor to the firm Metallpulver A. G. Geriafingen, Switzerland. Apparatus for the manufacture of metal powder. 2,136,445; Nov. 15.
Krantz, Louis, New York, N. Y. Apparel belt. 2,136,796; Nov. 15.
Kratz, Edouard M. (See Gebauer-Fuelnegg, E., Moffett, and Kratz.)
Kraut, Samuel B., and H. J. Chase, Lakewood, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Lighting fixture. 2,137,089; Nov. 15.
Kriegsfeld, Louis, Jersey City, N. J., assignor to J. B. Behrend and C. C. Coller, New York, N. Y. Coin bank. 2,136,623; Nov. 15.
Krogh, Anker E. (See Moore, C. B., and Krogh.)
Krueger, Edward C. (See Hobart, J. P., and Krueger.)
Kuhn, John J., Elizabeth, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coin collector base. 2,136,624; Nov. 15.
Kuhns, Austin, assignor to Farrel-Birmingham Company, Incorporated, Buffalo, N. Y. Driving assembly. 2,136,446; Nov. 15.
Laiho, Jalmer M., Chicago, Ill. Calculating machine. 2,136,694; Nov. 15.
Laing, Gordon F., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Motor control system. 2,136,695; Nov. 15.
Laloux, René, Brussels, Belgium. Automatic rapid fire gun. 2,136,512; Nov. 15.
Lamb, Clyde K., assignor to The Safety Scaffold Corporation, Cleveland, Ohio. Scaffold. 2,136,696; Nov. 15.
Lambert, Robert. (See Delpech, G., and Lambert.)
La Mer, Victor K. (See Kaufman, Y., and La Mer.)
Lancaster, Owen G., Cheyenne, Wyo. Flashlight holder. 2,136,855; Nov. 15.
Lang, William E., Lexington, Ky. Controlling recovery from oil sands. 2,137,167; Nov. 15.
Langsner, Adolph, assignor to Eugene Dietzgen Co., Chicago, Ill. Drafting apparatus. 2,137,004; Nov. 15.
La Pour, Edward, Milwaukee, Wis. Hairpin. 2,136,883; Nov. 15.
Lapsley, Robert, Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Shifting means for transmissions. 2,136,697; Nov. 15.
Large, Samuel R., Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich. Antifriction bearing. 2,136,819; Nov. 15.
Larmloc Corporation. (See Michel, Edmond, assignor.)
La Rowe, Walker. (See Knowles, Freeman, assignor.)
Larsen, Earl I. (See Hensel, F. R., and Larsen.)
Lasko, Joseph, Bronx, N. Y. Container for watches and the like. 2,136,625; Nov. 15.
Lavino, E. J., and Company. (See Sell, Gilbert E., assignor.)
Lednum, James M., assignor, by mesne assignments, to The Davidson Chemical Corporation, Baltimore, Md. Year-round air conditioning system. 2,136,513; Nov. 15.
Lee, Edwin A., assignor to Lee Paper Box Company, Philadelphia, Pa. Display box. 2,136,797; Nov. 15.
Lee Paper Box Company. (See Lee, Edwin A., assignor.)
Le Gault, Elzear J., Haverhill, assignor to Bestco Shoe Machinery Inc., Ipswich, Mass. Shoe sole press. 2,136,700; Nov. 15.
Legg, William L. M., Brooklyn, N. Y. Bottle breaking device. 2,137,191; Nov. 15.
Le Jeune, Frank H., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Manufacture of brake drums. 2,136,447; Nov. 15.
Leland Electric Company, The. (See Leland, George H., assignor.)
Leland, George H., assignor to The Leland Electric Company, Dayton, Ohio. Circuit controlling device. 2,136,698; Nov. 15.
Leland, George H., assignor to The Leland Electric Company, Dayton, Ohio. Circuit controlling device. 2,136,699; Nov. 15.
Lenehan, Bernard E., Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Telemetering apparatus. 2,137,090; Nov. 15.
Le Page, Joseph A., assignor to Straits Manufacturing Company, Detroit, Mich. Hand loom. 2,136,552; Nov. 15.
Leveque, Bernard T., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe sewing machine. 2,136,590; Nov. 15.
Levey, Harold A., New Orleans, La. Production of self-sustaining transparent films. 2,137,168; Nov. 15.
Levey, Harold A., New Orleans, La. Medicinal dressing material. 2,137,169; Nov. 15.
Levey, Harold A., New Orleans, La. Decorative spangle. 2,137,170; Nov. 15.
Levey, Harold A., New Orleans, La. Composite carbohydrate films. 2,137,171; Nov. 15.
Levien, Alvin L., South Orange, N. J., assignor to K. Kaufmann & Co., Inc. Hand luggage case. 2,136,553; Nov. 15.
Levoy, Joseph, Berkeley, Calif. Buffing wheel. 2,136,747; Nov. 15.
Lewis, Harold M., Douglaston, Long Island, and M. Cawein, Manhasset, N. Y., assignors to Hazeltine Corporation. Television system. 2,137,123; Nov. 15.
Lewis, John, Huntington, W. Va. Radial grinder. 2,137,140; Nov. 15.
Liégeois, Pierre, Brussels, assignor to Manufacture d'Armements et de Munitions Armu, Societe Anonyme, Schaerbeck-Brussels, Belgium. Bomb. 2,137,056; Nov. 15.
Lienhard, Clarice. (See Baldauf, Carl E., assignor.)
Lincoln Engineering Company. (See Rotter, Lutwin C., assignor.)
Lincoln, Paul M., Ithaca, N. Y. Metering device. 2,136,364; Nov. 15.
Lind, Harry R. E., Minneapolis, Minn. Automobile heater booster. 2,136,626; Nov. 15.
Lindeman, James E., Evanston, assignor to W. H. Miner, Inc., Chicago, Ill. Rail anchor. 2,136,554; Nov. 15.
Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Radio frequency relay. 2,136,448; Nov. 15.
Lindner, Karl A. (See Poland, F. F., and Lindner.)
Lindsey, Benjamin S. (See Lindsey, Robert L., assignor.)
Lindsey, Robert L., assignor to B. S. Lindsey, Terre Haute, Ind. Manufacturing malt. 2,137,141; Nov. 15.
Lipe, W. C., Inc. (See Carhart, Raymond H., assignor.)
Little, Thomas J., Jr., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Drain board. 2,136,904; Nov. 15.
Little, Jesse, Warwick, R. I., assignor to Davol Rubber Company. Nipple and cap construction. 2,136,514; Nov. 14.
Loeffler, John E., assignor to L. B. F. Loeffler, Houston, Tex. Gas burner. 2,136,449; Nov. 15.

Loeffler, Lena B. F. (See Loeffler, John E., assignor.)
Loftis, Homer J., assignor to Henrite Products Corporation, Ironton, Ohio. Electrical equipment mounting. 2,136,555; Nov. 15.
Logan, John W., Jr., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Railway vehicle brake control means. 2,137,019; Nov. 15.
Lohman, Melvin L., Greeley, Colo. Tremulant for stringed musical instruments. 2,136,627; Nov. 15.
Lombard, Herman G., Washington, D. C., assignor to A. H. Tinnerman, Cleveland, Ohio. Snap-stud fastening means. 2,137,210; Nov. 15.
Long, Arthur H., assignor to Dreis & Krump Mfg. Company, Chicago, Ill. Forming press. 2,136,856; Nov. 15.
Lott, William A., East Orange, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Preparation of divinyl ether. 2,136,387; Nov. 15.
Lottinger, Morris A., Houma, La. Setting whipstocks in wells. 2,136,748; Nov. 15.
Love, James E. (See Hume, H. D., and Love.)
Lovett, Louis E., Cleveland Heights, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Thread store device. 2,136,556; Nov. 15.
Lowe, William, Ansonia, Conn., assignor to Anaconda Wire and Cable Company, New York, N. Y. Method and machine for making hollow conductors. 2,136,388; Nov. 15.
Lucas, Samuel M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Transformer. 2,136,798; Nov. 15.
Luck, David G. C., Woodbury, N. J., assignor to Radio Corporation of America. Volume control system. 2,137,020; Nov. 15.
Lufkin Foundry & Machine Company. (See Trout, Walter C., assignor.)
Lufkin Rule Company, The. (See Witchger, Eugene J., assignor.)
Lum, George R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Support for base plates. 2,137,021; Nov. 15.
Lundell, Alvin C., Minneapolis, Minn. Propeller and rudder guard for outboard motors. 2,136,628; Nov. 15.
Lynn, John P., Chicago, Ill., assignor to Dur-O-Lite Pencil Company. Pencil. 2,137,022; Nov. 15.
Mabille, Raoul, Brussels, Belgium. Rotary engine. 2,137,172; Nov. 15.
Mabon, Carl R., assignor to Gilman Fanfold Corporation, Niagara Falls, N. Y. Typewriting machine. 2,136,820; Nov. 15.
MacLachlen, Angus, deceased, Metuchen, N. J., by W. H. Griffin, executor, New York, N. Y. Coating. 2,136,557; Nov. 15.
MacLean, John A., Hampton, assignor to Ingersoll-Rand Company, Jersey City, N. J. Pump seal. 2,136,799; Nov. 15.
MacPherson, Roy G., Framingham, Mass. Manufacture of compound agglomerate containing fuel. 2,136,591; Nov. 15.
Magnaflux Corporation. (See de Forest, Alfred V., assignor.)
Magnuson, Roy M. (See Thompson, A. R., and Magnuson.)
Mallory, P. R., & Co. (See Emmert, Kenneth L., assignor.)
Mallory, P. R., & Co. (See Hensel, F. R., and Larsen.)
Malloy, John J., Cleveland Heights, Ohio, assignor to General Electric Company. Base feeder. 2,137,173; Nov. 15.
Mancini, Leonardo, et al. (See Benjamin, Ralph, assignor.)
Mancini, Nichols, et al. (See Benjamin, Ralph, assignor.)
Manierre, George, Milwaukee, Wis. Book holder for reading stands. 2,136,701; Nov. 15.
Manshel, Charles, East Orange, N. J. Refrigerator. 2,136,558; Nov. 15.
Manufacture d'Armements et de Munitions Armu, Societe Anonyme. (See Liégeois, Pierre, assignor.)
Marbon Corporation. (See Gebauer-Fuelnegg, E., Moffett, and Kratz, assignors.)
Marbon Corporation. (See Honigman, Hans, assignor.)
Marbon Corporation. (See Winkelmann, H. A., and Fridaker, assignors.)
Marcellus, Brooks, assignor to Barber-Colman Company, Rockford, Ill. Warper clock. 2,136,884; Nov. 15.
Markin, Louis, assignor to Alfred Decker & Cohn, Inc., Chicago, Ill. Garment fly closure. 2,136,702; Nov. 15.
Marks, Barnard M., Arlington, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of pigmented plastics. 2,136,450; Nov. 15.
Marresford, William F., Niagara Falls, N. Y. Apparatus for starting race horses. 2,136,365; Nov. 15.
Marsden, Charles, Ahmedabad, Bombay Presidency, India. Machine for winding yarn and the like. 2,136,515; Nov. 15.
Marshall, Philip P., Ford City, assignor to Pittsburgh Plate Glass Company, Allegheny, Pa. Apparatus for bending glass sheets. 2,137,115; Nov. 15.
Marshaus, Anthony J., East Cleveland, Ohio, assignor to General Electric Company. Tubular lamp base and socket. 2,137,174; Nov. 15.
Martin, George D., Nitro, W. Va., assignor, by mesne assignments, to Monsanto Chemical Company, St. Louis, Mo. Mineral oil composition and producing same. 2,137,175; Nov. 15.
Martin, James S., assignor to Sangamo Electric Company, Springfield, Ill. Electrical terminal. 2,136,366; Nov. 15.
Martin, Michael J., Armadale, Australia. Filter. 2,136,660; Nov. 15.
Martin, Stanley S., Dexter, Maine. Attachment for vegetable diggers. 2,136,516; Nov. 15.
Martin, Warren S., Bayside, assignor, by mesne assignments, to Underpinning & Foundation Company, Inc., New York, N. Y. Incineration. 2,136,451; Nov. 15.
Martino, Franklin M., Vineland, N. J. Battery container. 2,136,749; Nov. 15.
Marton, Belle F. (See Solomon, Aron, assignor.)
Marvel, Carl S., Urbana, Ill., and D. S. Frederich, Drexel Hill Plaza, Pa., said Frederich assignor to said Marvel. Reaction products of sulphur dioxide and olefines. 2,136,389; Nov. 15.
Mason, Ruric C., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Thermocouple. 2,137,057; Nov. 15.
Mason, Sumner R., Wilmette, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Zinc electroplating soluition. 2,136,629; Nov. 15.
Massey, Alexander J., Los Angeles, Calif. Traffic signal. 2,136,976; Nov. 15.
Masson, Frederick A., Winnipeg, Manitoba, Canada. Door check. 2,137,176; Nov. 15.
Massoni, Miguel, Cordoba, Argentina. Windmill. 2,136,857; Nov. 15.
Massonneau, Robert F., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,136,630; Nov. 15.
Master Lock Company. (See Habram, C. E., and Foote, assignors.)
Matheny, Willard R., administrator. (See Harnly, David H.)
Maurer, Edwin R., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,136,721; Nov. 15.
Mayer, John, Cleveland, Ohio. Tool holder. 2,136,592; Nov. 15.
McAdams, James F., West Somerville, assignor to A. S. Campbell Co., Inc., East Boston, Mass. Frame. 2,136,905; Nov. 15.
McAdams, James F., West Somerville, assignor to A. S. Campbell Co., Inc., East Boston, Mass. Frame. 2,136,906; Nov. 15.
McCabe, John J., assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Ironing machine. 2,136,722; Nov. 15.
McCarty, Orin P., Pittsfield, Mass., assignor to General Electric Company. Protective circuit. 2,137,216; Nov. 15.
McCollum, Henry J., Evanston, Ill. Clutch control mechanism. 2,136,800; Nov. 15.
McCray Refrigerator Company. (See Hopkins, George J., assignor.)
McCulloch, Leon, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Producing crystalline boric oxide. 2,137,058; Nov. 15.
McCullough, Willis G., Cummings Point, Stamford, Conn., assignor to Collins & Aikman Corporation, Philadelphia, Pa. Pile fabric. 2,137,203; Nov. 15.
McCurdy, Frederick T., Kokomo, Ind., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Making bearing structures. 2,136,946; Nov. 15.
McDougal, Taine G., Flint, assignor to General Motors Corporation, Detroit, Mich. Tunnel Kiln. 2,137,091; Nov. 15.
McGrew, Earl E. (See Amos, A. G., McGrew, and Hergenrader.)
McHugh, Charles P., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Liquid tank. 2,136,390; Nov. 15.
McKinney, Lawrence J., and C. W. Jensen, Detroit, Mich. Safety pull-rod connect and disconnect machine. 2,136,452; Nov. 15.
McLaughlin, John J., Gloucester, Mass. Cap for fuel-oil bottles. 2,136,593; Nov. 15.
McLean, Arthur F. (See Barnard, K. H., and McLean.)
McNutt, Joseph D., assignor to Winchester Repeating Arms Company, New Haven, Conn. Priming mixture. 2,136,801; Nov. 15.
Mead, Howard C. (See Michel, C. A., Mead, and Winkelmeyer.)
Melchior, Paul, Berlin-Halensee, Germany, assignor to General Electric Company. Magnetic tester. 2,137,177; Nov. 15.
Meldman, Edward C., Milwaukee, Wis. Impression tray. 2,136,821; Nov. 15.
Mentges, John, Sidney, Ohio. Paper folding machine. 2,136,977; Nov. 15.
Merchantville Hosiery Company. (See Roesner, Harry W., assignor.)
Merivaara, Juho, Helsingfors, Finland. Automatic screw arrangement for revolving chairs and the like. 2,137,178; Nov. 15.
Merker, Harvey M., assignor to Parke, Davis & Company, Detroit, Mich. Obtaining a vitamin preparation. 2,136,453; Nov. 15.
Merla Tool Company. (See Crickmer, Charles S., assignor.)
Metallpulver A. G. (See Kramer, Erwin, assignor.)
Metals Coating Company of America. (See Binder, Richard L., assignor.)

Metalwash Machinery Company. (See Zademach, Erich R., assignor.)
Michel, Clarence A., H. C. Mead, and R. Winkelmeyer, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Head lamp. 2,137,092; Nov. 15.
Michel, Edmond, assignor to Larmloc Corporation, New Orleans, La. Circuit changing switch mechanism. 2,136,858; Nov. 15.
Michel, Edmond, assignor to Larmloc Corporation, New Orleans, La. Circuit changing system. 2,136,859; Nov. 15.
Micro-Westco, Inc. (See Petskeyes, Charles H., assignor.)
Midland Steel Products Company, The. (See Begg, Russell S., assignor.)
Mikesell, Omar M., New Paris, Ohio. Motor vehicle. 2,136,978; Nov. 15.
Milani, Joseph L., Seattle, Wash. Collapsible press mold. 2,136,517; Nov. 15.
Miller, Burton F., Hollywood, Calif., assignor to United Research Corporation, Long Island City, N. Y. Sound recording and reproduction. 2,136,723; Nov. 15.
Miller, Burton F., Hollywood, assignor to United Research Corporation, Burbank, Calif. Sound recording. 2,136,724; Nov. 15.
Miller, Carl F., Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass. Electron discharge device. 2,137,005; Nov. 15.
Miller Company, The. (See Doane, Leroy C., assignor.)
Miller, Floyd L., Elizabeth, N. J., assignor to Standard Oil Development Company. Lubricating composition. 2,136,391; Nov. 15.
Miller, George E., assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio. Reverse drive control mechanism. 2,136,454; Nov. 15.
Miller, Merton R., Evanston, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Temperature control system. 2,136,559; Nov. 15.
Miller, Morris, Boonton, N. J. Garment cover machine. 2,136,703; Nov. 15.
Mine Safety Appliances Company. (See Dym, Joseph B., assignor.)
Miner, W. H., Inc. (See Lindeman, Lewis E., assignor.)
Minneapolis-Honeywell Regulator Company. (See Laing, Gordon F., assignor.)
Mitchell, Harley L., assignor of one-half to R. N. Horany, Olney, Tex. Self-lubricating stuffing box. 2,136,860; Nov. 15.
Mitchell, Isaac A., Brooklyn, N. Y. Radio circuit. 2,136,704; Nov. 15.
Modern Equipment Corporation. (See Myers, Don D., assignor.)
Moffett, Eugene W. (See Gebauer-Fuelnegg, E., Moffett, and Kratz.)
Monforts, A. (See Monforts, J., and Coussement, assignors.)
Monforts, Joseph, Gladbach-Rheydt, Germany, and J. Coussement, Beveren (Lys), Belgium, assignors to A. Monforts, Gladbach-Rheydt, Germany. Opening and cleaning of textile fibers. 2,137,093; Nov. 15.
Monk, Newton, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Carrier communicating system. 2,137,023; Nov. 15.
Monsanto Chemical Company. (See Martin, George D., assignor.)
Moore, Clay H. (See Moore, Ray C. and C. H.)
Moore, Coleman B., Carroll Park, and A. E. Krogh, Erdenheim, assignors to The Brown Instrument Company, Philadelphia, Pa. Control apparatus. 2,136,631; Nov. 15.
Moore, George L., Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Piston. 2,136,822; Nov. 15.
Moore, Harold E., and R. B. Vogel, assignors to The Capital City Products Company, Columbus, Ohio. Hydrogenation of soya bean oil. 2,136,653; Nov. 15.
Moore, Ray C. and C. H., Cleveland, Ohio, assignors to Warren Webster & Company, Camden, N. J. Apparatus for controlling heating systems. 2,137,024; Nov. 15.
Moorman, Charles L., Chicago, Ill. Ice compartment for refrigerator cars. 2,136,632; Nov. 15.
Moos, Josef. (See Terres, E., Moos, and Ramser.)
Moran, Robert C., Wenonah, and E. W. Fuller and G. S. Crandall, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Diesel fuel. 2,136,455; Nov. 15.
Moran, Robert C., Wenonah, and E. W. Fuller and G. S. Crandall, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Diesel fuel. 2,136,456; Nov. 15.
Moreau, Henri, Paris, France. Electromagnetic system for the automatic regulation of temperatures. 2,137,059; Nov. 15.
Morgan Construction Company. (See Morgan, Myles, assignor.)
Morgan, Myles, assignor to Morgan Construction Company, Worcester, Mass. Coupling. 2,136,947; Nov. 15.
Morse, James W., Lansing, Mich., assignor to Food Machinery Corporation, San Jose, Calif. Balance tester. 2,136,633; Nov. 15.
Moser, Aurelius B., San Francisco, Calif. Collar clasp. 2,136,802; Nov. 15.
Moser, Franz R., Amsterdam, Netherlands, and M. C. Tuyn, Pladjoe, Netherlands East Indies, assignors to Shell Development Company, San Francisco, Calif. Extreme pressure lubricant. 2,136,885; Nov. 15.
Moss, Elias. (See Newmark, M., and Moss.)
Mueller Electric Company. (See Flynn, Alfred A., assignor.)
Multipost Company. (See Dummer, E. J., and Pinder, assignors.)
Murdock, Abe, et al. (See Neilson, Don M., assignor.)
Mureau, Charles A., and M. Stratford, Los Angeles, Calif. Lip rouge applicator. 2,136,979; Nov. 15.
Murphy, Daniel F., Galveston, Tex. Removing scale from boilers. 2,136,392; Nov. 15.
Myers, Don D., Toledo, assignor to Modern Equipment Corporation, Defiance, Ohio. Automobile lift. 2,136,750; Nov. 15.
Myers, John W., Roanoke, Va., assignor, by mesne assignments, to The Standard Stoker Company, Inc. Fuel conveying and crushing mechanism. 2,136,775; Nov. 15.
Nampa, Sulo M., Detroit, Mich., assignor to Automatic Shifters, Inc., Richmond, Va. Gear shifting mechanism for motor vehicles. 2,136,751; Nov. 15.
Nash, Arthur D., Sewickley, and W. Owen, Pittsburgh, Pa., assignors to Pittsburgh Plate Glass Company. Apparatus for making sheet glass. 2,137,116; Nov. 15.
Nash, Marie D., et al. (See Nash, William C., assignor.)
Nash, Roy A., et al. (See Nash, William C., assignor.)
Nash, William C., assignor of one-fifth to M. Jones, one-fifth to M. D. Nash, Neenah, Wis., one-fifth to W. M. Nash, Chicago, Ill., and one-fifth to R. A. Nash, New Rochelle, N. Y. Web guide mechanism. 2,136,705; Nov. 15.
Nash, William M., et al. (See Nash, William C., assignor.)
National Aniline & Chemical Company. (See Flett, Lawrence H., assignor.)
National Electric Products Corporation. (See Corbett, Alfred, assignor.)
National Lock Co. (See North, Edwin W., assignor.)
Nebel Knitting Company. (See Folkman, Robert A., assignor.)
Nebel Knitting Company. (See Griffin, William L., Sr., assignor.)
Nebraska Appliance Company. (See Amos, A. G., McGrew, and Hergenrader, assignors.)
Neilson, Don M., assignor of one-third to A. Murdock and one-third to E. A. Griffiths, Beaver, Utah. Toy vehicle. 2,136,752; Nov. 15.
Nelson Corporation, The. (See Nelson, J. M., Jr., and Watson, assignors.)
Nelson, Elias W., Belmont, Mass., assignor to H. B. Glover Company, Dubuque, Iowa. Garment. 2,136,393; Nov. 15.
Nelson, Frank E., Belmont, Mass. Spring toggle universal joint. 2,137,179; Nov. 15.
Nelson, John M., Jr., Baltimore, and E. Watson, Towson, assignors to The Nelson Corporation, Baltimore, Md. Container for sheet materials. 2,137,142; Nov. 15.
Newark Rivet Works. (See Trimpi, Russell W., assignor.)
Newmark, Morris, and E. Moss, New York, N. Y. Lubrication apparatus and the like. 2,136,803; Nov. 15.
New York Air Brake Company, The. (See Campbell, Charles A., assignor.)
Nichols, Fay I., Pittsburgh, Pa., assignor to Koppers-Rheolaveur Company. Conveyer discharge apparatus. 2,136,560; Nov. 15.
Nicholson, Frank T., Braintree, Mass. Stoker. 2,136,594; Niesemann, Fritz, assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Fluid pressure regulator. 2,137,025; Nov. 15.
Nimmer, W. J. (See Johnson, Jack, assignor.)
Nixon, Jeddy D., assignor of one-half to Wilson Supply Company, Houston, Tex. Measuring device. 2,136,457; Nov. 15.
Nixon, Joe, Oklahoma City, Okla. Pipe cutter. 2,136,518; Nov. 15.
Nodine, Frederick A., Terryville, assignor to The Cooper Oven Thermometer Company, Pequabuck, Conn. Temperature indicating means for culinary vessel closure. 2,137,094; Nov. 15.
Norris, Amos, assignor of one-half to D. Russell, Overton, Tex. Clamp. 2,136,861; Nov. 15.
North, Edwin W., assignor to National Lock Co., Rockford, Ill. Lock. 2,136,654; Nov. 15.
Norton, Joseph T., Swedesboro, N. J. Light reflector. 2,136,862; Nov. 15.
Nyhus, Earle L., et al. (See Nyhus, Hilbert J., assignor.)
Nyhus, Hilbert J., Grand Forks, assignor of one-third to E. L. Nyhus, Fargo, and one-third to J. Tangen, Grand Forks, N. Dak. Locking device for automobile hoods. 2,136,948; Nov. 15.
O. K. Tool Company, The. (See Reaney, Ernst, assignor.)
O'Connor, Edward P., Pittsburg, Kans. Steam operated cylinder relief and drain valve. 2,136,519; Nov. 15.
O'Dell, Henry P. (See Freetag, H. C., D'Dell, and Smith.)
Ogden, Ralph E. (See Cooper, Frank P., assignor.)
Ohl, Russell S. (See King, A. P., and Russell.)
Okadee Company, The. (See Ploen, C. W., and Ayers, assignors.)
Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Tapping screw. 2,136,458; Nov. 15.
Olson, Richard F. (See Westberg, H., and Olson.)
O'Neil, Charles M., Hopkins, Minn. Cartridge loading tool. 2,136,459; Nov. 15.

Orozco, Gilbert H., East Cleveland, Ohio. Treating metal stock and/or rolls during cold rolling. 2,136,725; Nov. 15.

Orshansky, Elias, Jr., New York, N. Y., assignor to The Acrotorque Company, New Haven, Conn. Transmission. 2,136,886; Nov. 15.

Orthner, Ludwig, Leverkusen-on-the-Rhine, and E. Zaucker, Cologne-Mulheim-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Acceleration of vulcanization of rubber. 2,136,949; Nov. 15.

Osborne, Raymond G., Los Angeles, Calif. Concentration method. 2,136,726; Nov. 15.

Ostrander, Robert F., New Haven, Conn. Pressure control for hydraulic brakes. 2,136,706; Nov. 15.

Otto, Stuart, New York, and L. Bruehl, Brooklyn, N. Y., assignors to Gas Refrigeration Corporation, Scranton, Pa. Automatic control of refrigerating apparatus. 2,137,060; Nov. 15.

Overholt, Lloyd F. (See Baker, D. B., and Overholt.)

Overstrom, Gustave A., Big Sur, Calif. Stretching apparatus for screen cloths. 2,136,950; Nov. 15.

Overstrom, Gustave A., Big Sur, Calif. Vibratory structure. 2,136,951; Nov. 15.

Owen, Frederick C., Fayetteville, N. C. Transformer. 2,136,863; Nov. 15.

Owen, William. (See Nash, A. D., and Owen.)

Owen, William, Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Making sheet glass. 2,137,117; Nov. 15.

Owens, Bengeman B., Van Nuys, assignor to Bank of America National Trust and Savings Association, Los Angeles, Calif. Valve. 2,136,707; Nov. 15.

Pacific Mills. (See Barnard, K. H., and McLean, assignors.)

Palmgren, Eric, Saltsjobaden, Sweden. Drying apparatus for washing and the like. 2,136,993; Nov. 15.

Panizzon, Leandro. (See Hartmann, M., and Panizzon.)

Paquette, Emile, Putnam, Conn. Ice fishing apparatus. 2,136,864; Nov. 15.

Parallex Corporation. (See Hanna, Atto N., assignor.)

Paris, William B. (See de Horvath, Z., and Paris.)

Park, Robert E., Jr. (See Butterfield, L. B., Garrett, and Park.)

Parke, Davis & Company. (See Merker, Harvey M., assignor.)

Parke, Davis & Company. (See Woodburn, Ralph E., assignor.)

Parker, Agaton J., Chicago, Ill. Permanent wave protector. 2,136,887; Nov. 15.

Parks, Albert F., deceased, Fairfield County, Conn., by D. E. Robinson, executor, Burlington, N. C. Coin-handling mechanism for vending machines and the like. 2,136,561; Nov. 15.

Parrot Speed Fastener Corporation. (See Crosby, Stephen A., assignor.)

Parth, Bruno. (See Schnecko O., and Parth.)

Patents, Incorporated. (See Humphreys, Edwin S., assignor.)

Patrick, Harry H., Los Angeles, Calif. Hot plate. 2,136,708; Nov. 15.

Paul, Henry, Philadelphia, Pa. Traffic signaling device. 2,136,804; Nov. 15.

Pauling, Harry, Berlin, Germany. Manufacture of calcium nitrate from ammoniacal gases. 2,136,994; Nov. 15.

Paulsen, Reginald, Oslo, Norway. Ship's hull. 2,136,562; Nov. 15.

Peck, Edward B., Elizabeth, N. J., assignor to Standard Oil Development Company. Purification of hydrogen halides. 2,137,095; Nov. 15.

Pellegrini, Albert, Staten Island, N. Y. Dress form. 2,136,888; Nov. 15.

Penn, Carl, assignor to Penn Electric Switch Co., Des Moines, Iowa. Variable temperature burner control system. 2,136,753; Nov. 15.

Penn Electric Switch Co. (See Penn, Carl, assignor.)

Pense, Walter. (See Asch, W., Janz, Pense, and Voss.)

Peoples, James E., Alva, Okla. Air conditioner. 2,136,634; Nov. 15.

Perry, Ira D., Chicago, Ill., assignor to E. G. Clements, Washington, D. C. Resilient valve for bladders and the like. 2,136,520; Nov. 15.

Perry, Walter M. (See Drain, J. A., Jr., and Perry.)

Peteler, Adolph, Freeport, N. Y. Shock absorber valve. 2,136,460; Nov. 15.

Peterson, Bernard A., Detroit, Mich. Combustion chamber. 2,136,635; Nov. 15.

Petroleum Rectifying Company of California. (See Sauer, Arthur G., assignor.)

Petskeyes, Charles H., Davenport, assignor to Micro-Westco, Inc., Bettendorf, Iowa. Wrapper feed mechanism for wrapping machines. 2,136,521; Nov. 15.

Petty, William S., assignor to R. and W. Young, Denver, Colo. Marking machine. 2,136,461; Nov. 15.

Peyer, Eduard, assignor to the firm Durand & Huguenin S. A., Basel, Switzerland. Sulphonated coeruleins and their manufacture. 2,137,143; Nov. 15.

Phillips, Paul D., Elmhurst, assignor to Benjamin Electric Mfg. Company, Des Plaines, Ill. Reflector cover. 2,137,026; Nov. 15.

Picard, René, Lyon, and R. Fays, Villeurbanne, France, assignors to Societe Alsa in Basle. Making tubular artificial textile threads. 2,136,462; Nov. 15.

Picard, René, Lyon, and R. Fays, Villeurbanne, France, assignors to Societe Alsa in Basle. Preparing tubular artificial textile threads. 2,136,463; Nov. 15.

Picard, René, Lyon, and R. Fays, Villeurbanne, France, assignors to Societe Alsa in Basle. Preparing tubular artificial textile threads. 2,136,464; Nov. 15.

Pierce, Melbourne H., Watertown, assignor to Gillette Safety Razor Company, Boston, Mass. Protected blade. 2,136,823; Nov. 15.

Pierce, Melbourne H., Watertown, assignor to Gillette Safety Razor Company, Boston, Mass. Protected blade. 2,137,124; Nov. 15.

Pierce, Raymond C., and W. C. Hedgcock, Chicago, Ill., assignors, by mesne assignments, to R. C. Pierce. Snubber spring. 2,136,908; Nov. 15.

Pim, Joane, Johannesburg, Union of South Africa. Heel support. 2,136,980; Nov. 15.

Pinder, Ernest L. (See Dummer, E. J., and Pinder.)

Pirich, George, Minneapolis, Minn. Gas-generating oil burner. 2,136,727; Nov. 15.

Piron, Emil H., assignor to Transit Research Corporation, New York, N. Y. Slack limiting device. 2,136,563; Nov. 15.

Pittsburgh Equitable Meter Company. (See Niesemann, Fritz, assignor.)

Pittsburgh Plate Glass Company. (See Harrington, Alfred L., assignor.)

Pittsburgh Plate Glass Company. (See Marshall, Philip P., assignor.)

Pittsburgh Plate Glass Company. (See Nash, A. D., and Owen, assignors.)

Pittsburgh Plate Glass Company. (See Owen, William, assignor.)

Pittsburgh Plate Glass Company. (See Watt, James B., assignor.)

Place, Elon C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Fastener. 2,136,981; Nov. 15.

Plibrico Jointless Firebrick Company. (See Putnam, Joseph W., Jr., assignor.)

Ploen, Curtis W., Chicago, Ill., and A. R. Ayers, Shaker Heights, Cleveland, Ohio, assignors to The Okadee Company, Chicago, Ill. Cylinder cock. 2,136,982; Nov. 15.

Pneumatic Scale Corporation. (See Everett, Arthur C., assignor.)

Poirette Corsets, Inc. (See Robbins, Philip H., assignor.)

Poland, Frank F., New Brunswick, and K. A. Lindner, Rahway, N. J. Casting metal. 2,136,394; Nov. 15.

Pollak, Alfred, Woodmere, N. Y. Preparing bread conditioners. 2,137,027; Nov. 15.

Pollard, Carl L., Himrod, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method of and machine for cutting wood heels. 2,136,522; Nov. 15.

Porro, Attilio V., Calexico, Calif. Pan lifter. 2,137,180; Nov. 15.

Potter, Duane L., Dalton, Pa. Rear control. 2,136,754; Nov. 15.

Pranger, Albert, and H. F. Carrington, assignors to The Guiberson Corporation, Dallas, Tex. Oil saver. 2,136,465; Nov. 15.

Pratt, A. W. (See Belcher, Walter E., assignor.)

Pratt, Charles A., Ysleta, Tex. Drainage channel cleaner. 2,136,982; Nov. 15.

Prince, Charles S., Washington, D. C. Guard for drinking glasses. 2,136,755; Nov. 15.

Proctor & Schwartz, Incorporated. (See Schwartz, Walter M., assignor.)

Pross, Bernhard, Bocholt, Germany. Method of and device for producing slubbing on drawing frames. 2,136,923; Nov. 14.

Pugatz, Samuel J., Hurleyville, N. Y. Automatic chlorinator. 2,136,776; Nov. 15.

Pure Oil Company, The. (See Carr, Richard H., assignor.)

Pure Oil Company, The. (See Terrell, Charles F., Jr., assignor.)

Putnam, Joseph W., Jr., Evanston, assignor to Plibrico Jointless Firebrick Company, Chicago, Ill. Boiler. 2,136,728; Nov. 15.

Quackenbush, Cleveland H., Glendale, Calif., assignor to General Electric Company. Welding machine. 2,137,181; Nov. 15.

Quentin, Alberto, Florence, Italy. Process and device for tempering glass. 2,137,061; Nov. 15.

Quinn, Ada, Ogden, Utah. Apron. 2,136,983; Nov. 15.

Rabkin, Samuel, Cincinnati, Ohio. Smoker's pipe and cigar holder. 2,136,824; Nov. 15.

Radio Corporation of America. (See Bedford, Alva V., assignor.)

Radio Corporation of America. (See Karolus, August, assignor.)

Radio Corporation of America. (See Lindenblad, Nils E., assignor.)

Radio Corporation of America. (See Luck, David G. C., assignor.)

Radio Corporation of America. (See Trevor, Bertram, assignor.)

Radio Corporation of America. (See Usselman, George L., assignor.)

Radio Corporation of America. (See Vance, Arthur W., assignor.)

Ramser, Hans. (See Terres, E., Moos, and Ramser.)

Randel, Bo F., San Diego, Calif. Apparatus for refrigeration. 2,136,395; Nov. 15.

Raney, Clemma R., Riverside, and A. B. Welty, Moline, Ill., assignors to International Harvester Company. Border scraper for harvester-threshers. 2,136,637; Nov. 15.

Rau, David W., Kirkwood, Mo. Photographic enlarging machine. 2,137,028; Nov. 15.

Raybestos-Manhattan, Inc. (See Bockius, C., Batchelor, and Cook, assignors.)

Raybestos-Manhattan, Inc. (See McHugh, Charles P., assignor.)

Raytheon Manufacturing Company. (See Smith, Charles G., assignor.)

Räz-Ammann, Hermann, Thoune, Switzerland. Nonskid device. 2,137,062; Nov. 15.

Reaney, Ernest, Stratford, Conn., assignor to The O. K. Tool Company, Inc., New York, N. Y. Face milling cutter. 2,136,953; Nov. 15.

Reaney, Ernest, Stratford, Conn., assignor to The O. K. Tool Company, Inc., New York, N. Y. Finishing cutter. 2,136,954; Nov. 15.

Reconstruction Finance Corporation. (See Bradley, Richard C., assignor.)

Reed, Malcolm W., Shaker Heights, Ohio. Wire rope. 2,136,865; Nov. 15.

Reed, Malcolm W., Shaker Heights, Ohio. Wire rope. 2,136,866; Nov. 15.

Reed, Malcolm W., Shaker Heights, Ohio. Wire rope or cable. 2,136,867; Nov. 15.

Refining Inc. (See Clayton, B., Kerrick, and Stadt, assignors.)

Reitherman, Ralph W., assignor to Joseph Weidenhoff, Inc., Chicago, Ill. Lighting neon tubes. 2,136,924; Nov. 15.

Renault, Louis. (See Salves, Léon, assignor.)

Renshaw, Percy B., Liverpool, assignor, by mesne assignments, to Automatic Telephone & Electric Company Limited, London, England. Traffic control signal. 2,136,955; Nov. 15.

Republic Steel Corp., The. (See Sloan, Thomas N., assignor.)

Richards, Boggs & King, Inc. (See Richards, Harvey B., assignor.)

Richards, Harvey B., Lake Bluff, assignor, by mesne assignments, to Richards, Boggs & King, Inc., Chicago, Ill. Sheet formed article. 2,136,889; Nov. 15.

Richter, Johannes. (See Federmann, W., and Richter.)

Ricketson, George C., New York, N. Y. Demountable top for pressing machines. 2,136,564; Nov. 15.

Riedel, J. D.,-E de Haen A. G. (See Wakenhut, Alfred, assignor.)

Rieg, Otto, Newark, N. J., assignor to The A. C. Gilbert Company, New Haven, Conn. Slush casting machine. 2,137,217; Nov. 15.

Riley Stoker Corporation. (See Andrews, L. V., assignor.)

Rinkel, Paul, Berlin-Charlottenburg, Germany. Sextant. 2,136,995; Nov. 15.

Ristell, Arthur. (See Ristell, Nancy P. and A.)

Ristell, Nancy P. and A., Chicago, Ill. Combined beach hat and fan. 2,136,925; Nov. 15.

Ritz, Frederick, Hamilton, Ohio, assignor to Fairbanks, Morse & Co., Chicago, Ill. Fuel supply system. 2,136,466; Nov. 15.

Ritzerfeld, Wilhelm, Berlin, Germany. Rotary reprinting and copying machine and obtaining printed copies from a mirror script original. 2,137,096; Nov. 15.

Robbins, Philip H., assignor to Poirette Corsets, Inc., New York, N. Y. Foundation garment or the like. 2,137,182; Nov. 15.

Roberts, Edmund W., Jr., Cincinnati, Ohio. Pipe bowl reamer. 2,136,565; Nov. 15.

Roberts, Joel M., Racine, Wis. Excavating bucket. 2,136,890; Nov. 15.

Robertson, Clark J. (See Robertson, Edward A., assignor.)

Robertson, Edward A., Western Springs, assignor to C. J. Robertson, Brookfield, Ill. Highway guard fence. 2,136,710; Nov. 15.

Robertson, Reuel R., Easton, Pa. Clothesline supporting apparatus. 2,137,183; Nov. 15.

Robertson, Robert R., Chicago, Ill. Traffic lane divider. 2,136,709; Nov. 15.

Robinson, Donald E., executor. (See Parks, Albert F.)

Robinson, Hugh D. (See Young, F. H., and Robinson.)

Robinson, James M., Evansville, Ind. Scanning device. 2,136,926; Nov. 15.

Rockall, George A. and W. A. E., assignors to W. P. Ampenoff, London, England. Log for measuring the distance traveled by water-borne vessels. 2,136,756; Nov. 15.

Rockall, William A. E. (See Rockall, George A. and W. A. E.)

Rockola, David C., Chicago, Ill. Visible coin chute. 2,136,891; Nov. 15.

Rockwell, Edward A., Forest Hills, Long Island, N. Y., assignor, by mesne assignments, to General Auto Parts Corporation. Electroflow power supply system. 2,136,638; Nov. 15.

Røder, Carl Frederik Løve, Copenhagen, Denmark, assignor to F. L. Smidth & Company, New York, N. Y. Mill control. 2,136,907; Nov. 15.

Roesener, Harry W., Philadelphia, Pa., assignor to Merchantville Hosiery Company, Merchantville, N. J. Knitted hosiery toe. 2,136,892; Nov. 15.

Roesener, Harry W., Philadelphia, Pa., assignor to Merchantville Hosiery Company, Merchantville, N. J. Knitting full-fashioned hosiery toe. 2,136,893; Nov. 15.

Rogers, Hugh L., Albion, Pa. Cleaning tool. 2,136,595; Nov. 15.

Rohde, Otto C., assignor to Champion Spark Plug Company, Toledo, Ohio. Spark plug, insulating material therefor, and making the same. 2,136,467; Nov. 15.

Rollins, Arch D., assignor, by mesne assignments, to Temporator Company, Chicago, Ill. Dispatcher. 2,136,711; Nov. 15.

Roos, Hans, Leverkusen-I. G.-Werk, Germany, assignor to General Aniline Works, Inc., New York, N. Y. After-treatment of dyeings on cellulosic fibers. 2,136,757; Nov. 15.

Rosberg, Nels H., Los Angeles, Calif. Refrigerated motion picture stage. 2,136,758; Nov. 15.

Rose, Herbert A., Leonia, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Automatic disconnect for rectifiers. 2,137,063; Nov. 15.

Rosebush, Waldo E., Millwood, Wash. Moistener. 2,136,468; Nov. 15.

Rosenberg, Heyman, New York, N. Y. Socket head cap screw or like fastener. 2,136,523; Nov. 15.

Rosenberg, Heyman, New York, N. Y. Forming cap screws or the like fasteners. 2,136,524; Nov. 15.

Rosenkranz, J. A. (See Beckett, Farley E., assignor.)

Ross, Malcolm D., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Hydrogen-cooled dynamo-electric machine. 2,137,064; Nov. 15.

Rotter, Lutwin C., Maplewood, assignor to Lincoln Engineering Company, St. Louis, Mo. Pumping apparatus. 2,136,636; Nov. 15.

Rourke, James F., Worcester, Mas. Shuttle operating device. 2,136,712; Nov. 15.

Ruckert, Ludwig. (See Förster, A., and Ruckert.)

Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Polymerization of rosin. 2,136,525; Nov. 15.

Russell, De France. (See Norris, Amos, assignor.)

Ryan, James J., Minneapolis, Minn. Vibration instrument. 2,136,759; Nov. 15.

Ryan, Julian G., Wood River, Ill., assgnor to Shell Development Company, San Francisco, Calif. Bearing alloy. 2,136,655; Nov. 15.

Safety Scaffold Corporation, The. (See Lamb, Clyde K., assignor.)

Sainderichin, Nicolas, Paris, France, assignor to Follsain Syndicate Limited, London, England. Production of metal carbides. 2,137,144; Nov. 15.

St. Arnauld, Albert, Detroit, Mich. Self-locking container. 2,137,033; Nov. 15.

St. Paul Hydraulic Hoist Co. (See Day, Herbert O., assignor.)

St. Paul Hydraulic Hoist Company. (See Harley, Bertron G., assignor.)

Salves, Léon, assignor to L. Renault, Billancourt, France. Locking device for vehicle wheels. 2,136,760; Nov. 15.

Salves, Leon, assignor to L. Renault, Billancourt, France. Servo-brake for motor vehicles. 2,137,145; Nov. 15.

Sampson, Harry C., Bloomington, Ill. Combination crossing gate and signal protective means. 2,137,196; Nov. 15.

Sanders, John C., assignor to Boeing Aircraft Company, Seattle, Wash. Aircraft gun mount supported independently of enclosures therefor. 2,136,825; Nov. 15.

Sangamo Electric Company. (See Martin, James S., assignor.)

Sardik Incorporated. (See Cowgill, William W., assignor.)

Saferen, Martin G., West Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Joint structure and making the same. 2,137,097; Nov. 15.

Sauer, Arthur G., Long Beach, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Control system for electric dehydrators. 2,136,469; Nov. 15.

Savage, Alice R. (See Clements, Stanley, assignor.)

Savage, Basil H., assignor to Savage Research Corporation, San Diego, Calif. Automatic pistol. 2,136,396; Nov. 15.

Savage Research Corporation. (See Savage, Basil H., assignor.)

Sawtelle, Charles A., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake mechanism. 2,136,470; Nov. 15.

Scharinger, Rudolf, Bridgeport, Conn. Condiment dispenser. 2,136,805; Nov. 15.

Schaum, Carl, deceased, Wyncote, Pa.; W. W. Schaum, administratrix. Supporting and adjusting a garment press head. 2,136,927; Nov. 15.

Schaum, Winifred W., administratrix. (See Schaum, Carl.)

Schering-Kahlbaum A. G. (See Schoeller, W., Dohrn, and Hohlweg, assignors.)

Schering-Kahlbaum A. G. (See Schotte, H., and Görnitz, assignors.)

Schering-Kahlbaum A. G. (See Strassberger, Lothar, assignor.)

Scheuer, Ralph I., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Adjustable type case. 2,136,656; Nov. 15.

Schilling, Walter, Berlin-Spandau, assignor to Siemens-Germany. Control of parallel working sets comprising Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, controlled gas discharge paths. 2,137,098; Nov. 15.

Schlack, Paul, Berlin-Treptow, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of amines of high molecular weight, which are rich in nitrogen. 2,136,928; Nov. 15.

Schleede, Arthur, and F. Schroter, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Fluorescent screen. 2,137,118; Nov. 15.

Schlesinger, Hans, New York, N. Y. Safety door handle for bus air doors. 2,137,065; Nov. 15.

Schmitt, John A., assignor to The Universal Milking Machine Company, Waukesha, Wis. Teat cup claw. 2,136,956; Nov. 15.

Schnabel, Theodore E., Detroit, Mich. Weed-resisting fish lure. 2,136,713; Nov. 15.

Schnecko, Otto, and B. Parth, Wiesbaden-Biebrich, Germany, assignors to The Visking Corporation, Chicago, Ill. Making sausage casings. 2,136,566; Nov. 15.

Schneider, Rudolph H., Chestnut Hill, Mass. Bone pin. 2,136,471; Nov. 15.

Schnider, Otto, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Manufacture of 2,4-dioxo-3,3-dialkyl-6-methyl-tetrahydro-pyridine. 2,137,192; Nov. 15.

Schoeller, Walter, Berlin, M. Dohrn, Berlin-Charlottenburg, and W. Hohlweg, Hohen Neuendorf, near Berlin, assignors to Schering-Kahlbaum A. G., Berlin, Germany. Oestrogenous products and producing the same. 2,136,397; Nov. 15.

Scholl, Charles F., Chicago, Ill. Salesman's shoe-display rack. 2,137,029; Nov. 15.

Schonitzer, Rudolph I., Cleveland, Ohio. Combined door-holding and door-checking device. 2,137,197; Nov. 15.

Schotte, Herbert, and K. Gornitz, assignors to Schering-Kahlbaum A. G., Berlin, Germany. Insecticide and making same. 2,136,868; Nov. 15.

Schrader, Hans. (See Wiedbrauck, E., Schrader, and Büche.)

Schrauth, Walther, Berlin-Dahlem, assignor to Deutsche Hydrierwerke Aktiengesellschaft, Berlin-Charlottenburg, Germany. Procedure to render albuminous artificial stuffs soft and elastic. 2,137,006; Nov. 15.

Schrauth, Walther, Berlin-Dahlem, and K. Stickdorn, Rosslau, Anhalt, assignors to Deutsche Hydrierwerke Aktiengesellschaft, Berlin-Charlottenburg, Germany. Dissolving, softening, gelatinizing and swelling agents. 2,137,007; Nov. 15.

Schreyer, Charles G., assignor of one-fourth to J. H. Fulton, South Bend, Ind. Hydro-mechanical brake operating device. 2,136,398; Nov. 15.

Schroter, Fritz. (See Schleede, A., and Schroter.)

Schultz, Alfred S., New York, and C. N. Frey, Scarsdale, assignors to Standard Brands Incorporated, New York, N. Y. Treatment of yeast. 2,136,399; Nov. 15.

Schur, Milton O., assignor to Brown Company, Berlin, N. H. Manufacture of molded binder-reinforced fiber articles of pliant character. 2,136,826; Nov. 15.

Schur, Milton O., assignor to Brown Company, Berlin, N. M. Manufacture of molded binder-reinforced, air-laid fiber articles. 2,136,827; Nov. 15.

Schuster, Hans, Immigrath, on-the-Lower Rhine, Germany. Manufacturing circular sheet metal disks. 2,137,099; Nov. 15.

Schuster, Hans, Immigrath, Germany. Rolling mill. 2,137,100; Nov. 15.

Schwartz, Walter M., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Drain for hosiery form. 2,136,526; Nov. 15.

Schwebs, Kent, Hortonville, Wis. Refrigerator freight car. 2,136,894; Nov. 15.

Schweimer, Klaus P., Berlin-Grunewald, assignor to Allgemeine Elektricitats Gesellschaft, Berlin, Germany. Circuit arrangement for carrier current telephone supply sources. 2,136,639; Nov. 15.

Scofield, Theodore J., and A. B. Winchell, assignors to The Sparks-Withington Company, Jackson, Mich. Windshield cleaner arm attachment. 2,136,909; Nov. 15.

Scovill Manufacturing Company. (See Bares, Bohumil, assignor.)

Sears, Roebuck and Co. (See Horsrud, Ole, assignor.)

Seeley, De Forest H., Painted Post, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Brake mechanism. 2,136,806; Nov. 15.

Sell, Gilbert E., Cynwyd, assignor to E. J. Lavino and Company, Philadelphia, Pa. Lining kilns and lining produced thereby. 2,137,184; Nov. 15.

Sell, Gilbert E., Cynwyd, assignor to E. J. Lavino and Company, Philadelphia, Pa. Multiple burner arrangement. 2,137,185; Nov. 15.

Sendzimir, Tadeusz, Katowice, Poland, assignor to The American Rolling Mill Company, Middletown, Ohio. Apparatus for coating metallic objects with layers of other metals. 2,136,957; Nov. 15.

Servel, Inc. (See Fleischer, Joseph, assignor.)

Servel, Inc. (See Ullstrand, Hugo M., assignor.)

Shafer, Lincoln M. (See Crossley, M. L., and Shafer.)

Shell Development Company. (See Bert, Ernest J., assignor.)

Shell Development Company. (See Moser, F. R., and Tuyn, assignors.)

Shell Development Company. (See Ryan, Julian G., assignor.)

Sherrard, Earl C., E. Beglinger, J. P. Hohf, and E. Bateman, deceased, by W. T. Bateman, Madison, Wis., special administrator, assignors to H. A. Wallace, Secretary of Agriculture of the United States of America. Plastic composition. 2,137,119; Nov. 15.

Sherwood, Mather W., Chicago, Ill. Nonrefillable bottle closure. 2,137,930; Nov. 15.

Shoeld, Mark. (See Gabeler, W. H., Wilson, Tongue, and Shoeld.)

Sickles, F. W., Company. (See Benner, Howard J., assignor.)

Siemens & Halske, Aktiengesellschaft. (See Bendel, Hermann, assignor.)

Siemens & Halske, Aktiengesellschaft. (See Vatter, Hans, assignor.)

Siemens-Schuckertwerke Aktiengesellschaft. (See Schilling, Walter, assignor.)

Siese, Gustav. (See Jones, W. C., and Siese.)

Signoret, Albert J., New York, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Pile fabric manufacture. 2,136,828; Nov. 15.

Silvertown Lubricants Limited. (See Styles, Eric R., assignor.)

Simmons, Jack W., Tallahassee, Fla. Collapsible package. 2,136,761; Nov. 15.

Simmons, Jack W., Tallahassee, Fla. Collapsible package. 2,136,762; Nov. 15.

Simmons, Oliver G., Lakewood, Ohio. Finishing gears. 2,137,146; Nov. 15.

Simons, Abraham, assignor to Washburn Wire Company, Inc., New York, N. Y. Mechanism for straightening wire. 2,136,714; Nov. 15.

Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake drum cooling construction. 2,136,472; Nov. 15.

Sinclair Refining Company. (See Fairlie, Matthew, assignor.)

Singer Manufacturing Company, The. (See Waterman, Max L., assignor.)

Skelly, John S., Monongahela, Pa. Side retort stoker. 2,136,807; Nov. 15.

Sloan, Edward C., Geneva, and G. A. Sporre, St. Charles, assignors to J. B. Hawley, Geneva, Ill. Hat. 2,136,473; Nov. 15.

Sloan, Thomas N., Buffalo, N. Y., assignor to The Republic Steel Corp., Cleveland, Ohio. Die rolled article and producing same. 2,137,008; Nov. 15.

Smidth, F. L., & Company. (See Røder, Carl F. L., assignor.)

Smith, A. O., Corporation. (See Bice, L., and Soular, assignors.)

Smith, A. O., Corporation. (See Kepler, William R., assignor.)

Smith, A. O., Corporation. (See Straty, Stephen, assignor.)

Smith, A. O., Corporation. (See Tiedemann, Julius B., assignor.)

Smith, Benjamin H., Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Instrument scale length multiplier. 2,137,066; Nov. 15.

Smith, Charles G., Medford, assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass. Electric device. 2,137,198; Nov. 15.

Smith, Chauncey W., Montclair, N. J., assignor to American Telephone and Telegraph Company. Impulse transmitting system. 2,136,984; Nov. 15.

Smith, Cornelius W., Detroit, Mich., assignor to United States Rubber Products, Inc., New York, N. Y. Rubber tire. 2,136,567; Nov. 15.

Smith, Daniel H., Shirley, assignor of one-fourth to A. Tipton, Clinton, Ark. Well drilling machine. 2,136,596; Nov. 15.

Smith, Fred W. (See Freetag, H. C., O'Dell, and Smith.)

Smith, Harry F., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,136,641; Nov. 15.

Smith, Hiram P., Canton, Ill., assignor to International Harvester Company. Adjusting mechanism for tractor implements. 2,136,640; Nov. 15.

Smith, Howard A., assignor to Knapp-Monarch Company, St. Louis, Mo. Heating plate structure. 2,136,763; Nov. 15.

Smith, Howard A., assignor to Knapp-Monarch Company, St. Louis, Mo. Multiheat electric appliance. 2,136,764; Nov. 15.

Smith, Ralph C., assignor to Williams Oil-O-Matic Heating Corporation Bloomington, Ill. Dispensing apparatus. 2,137,031; Nov. 15.

Smith, William E. (See Bloomfield, A. E., and Smith.)

Snow, William B., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound reproducing system. 2,137,032; Nov. 15.

Societe Alsa in Basle. (See Picard, R., and Fays, assignors.)

Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint Gobain, Chauny & Cirey. (See Delpech, G., and Lambert, assignors.)

Society for Visual Education, Inc. (See Kleerup, Bertel J., assignor.)

Society of Chemical Industry in Basle. (See Hartmann, M., and Enselin, assignors.)

Society of Chemical Industry in Basle. (See Hartmann, M., and Panizzon, assignors.)

Socony-Vacuum Oil Comany. (See Moran, R. C., Fuller, and Crandall, assignors.)

Sola, Joseph G., Oak Park, Ill. Reactance transformer. 2,136,895; Nov. 15.

Solomon, Aron, assignor of one-half to B. F. Marton, New York, N. Y. Bottle seal. 2,136,896; Nov. 15.

Solvay Process Company, The. (See Kniskern, Walter H., assignor.)

Soular, Fred. (See Bice, L., and Soular.)

Spang, Ferdinand J., Butler, Pa. Packer. 2,136,597; Nov. 15.

Sparks-Withington Company, The. (See Scofield, T. J., and Winchell, assignors.)

Spears, Joseph M., Washington, D. C. Collapsible asphalt machine. 2,136,869; Nov. 15.

Spencer, Lon C., Indianapolis, Ind. Section insulator for trolley systems. 2,137,067; Nov. 15.

Sperry Products, Inc. (See Drain, J. A., Jr., and Perry, assignors.)

Sperry Products, Inc. (See Drake, Harcourt C., assignor.)

Spicer, William E., Baton Rouge, La., assignor to Standard Oil Development Company. Preparing catalysts for hydrogen production. 2,137,101; Nov. 15.

Spiral Binding Co. Inc. (See Grumbacher, Walter, assignor.)

Spiral Locks Limited. (See Bedell, Henry G., assignor.)

Sporre, Gustave A. (See Sloane, E. C., and Sporre.)

Squibb, E. R., & Sons. (See Christiansen, W. G., and Harris, assignors.)

Squibb, E. R., & Sons. (See Lott, William A., assignor.)

Stadt, Henry M. (See Clayton, B., Kerrick, and Stadt.)

Stafford, John C., Steubenville, Ohio. Traffic control gate. 2,137,193; Nov. 15.

Stageberg, Sterling O., assignor to Sterling Engineers, Inc., Red Wing, Minn. Vehicle construction. 2,137,186; Nov. 15.

Stahl, William, Los Angeles, Calif. Shower stall door hinge. 2,136,729; Nov. 15.

Standard Brands Incorporated. (See Schultz, A. S., and Frey, assignors.)

Standard Oil Company of California. (See Davis, William N., assignor.)

Standard Oil Development Company. (See Fischer, H. G. M., and Gustafson, assignors.)

Standard Oil Development Company. (See Miller, Floyd L., assignor.)

Standard Oil Development Company. (See Peck, Edward B., assignor.)

Standard Oil Development Company. (See Spicer, William E., assignor.)

Standard Railway Equipment Manufacturing Company. (See Bonsall, Charles D., assignor.)

Standard Stoker Company, The. (See Capps, Washington T., assignor.)

Standard Stoker Company, The. (See Myers, John W., assignor.)

Staples, Crawford E., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,136,808; Nov. 15.

Starkweather, Asa H., Los Angeles, Calif. Lead screw adjusting device. 2,136,642; Nov. 15.

Staubli, Gebr. & Co. (See Stäubli, Othmar, assignor.)

Stäubli, Othmar, Horgen, assignor to Gebr. Staubli & Co., Horgen, Zurich, Switzerland. Shedding mechanism for looms. 2,136,765; Nov. 15.

Steindorf, Robert T., assignor to Chain Belt Company, Milwaukee, Wis. Sedimentation apparatus. 2,136,400; Nov. 15.

Steinen, William, South Orange, N. J. Frame and handle assembly. 2,136,643; Nov. 15.

Steinen, William, South Orange, N. J. Dresser set utensil. 2,136,644; Nov. 15.

Steinen, William, South Orange, N. J. Handle for dresser set utensils. 2,136,645; Nov. 15.

Steinen, William, South Orange, N. J. Frame and handle construction for mirrors, brushes, and similar utensils. 2,136,646; Nov. 15.

Stelzer, Bertell, German Township, St. Joseph County, Ind. Vacuum pump. 2,136,528; Nov. 15.

Stelzer, Bertell, South Bend, Ind. Refrigerating and air-conditioning system in conjunction with internal combustion engines. 2,136,527; Nov. 15.

Sterling Engineers, Inc. (See Stageberg, Sterling O., assignor.)

Stevenson, Henry I., Portland, Oreg. Tear gas device. 2,136,647; Nov. 15.

Stickdorn, Kurt. (See Schrauth, W., and Stickdorn.)

Stoate, Norman P., London, England. Apparatus for detecting the presence of foreign bodies in or on transparent vessels. 2,137,187; Nov. 15.

Stocker, Glee R., St. Louis, Mo. Screen stenciling composition. 2,136,985; Nov. 15.

Straits Manufacturng Company. (See Le Page, Joseph A., assignor.)

Strassberger, Lothar, Berlin-Wilmersdorf, assignor to Schering-Kahlbaum A. G., Berlin, Germany. Acyl compounds of cyanhydrins of the etio-cholane and etio-allo-cholane series and producing the same. 2,136,401; Nov. 15.

Stratford, Muriel. (See Mureau, C. A., and Stratford.)

Straty, Stephen, assignor to A. O. Smith Corporation, Milwaukee, Wis. Alloy lining for tubular parts. 2,136,474; Nov. 15.

Strayer, Arthur C., Beaver, Pa. Lock seal bag. 2,136,598; Nov. 15.

Stromberg, John A., Des Plaines, assignor of one-half to Volcanic Products Corporation, Chicago, Ill. Concrete structure. 2,137,009; Nov. 15.

Stroup, Fred H., Kirkwood, and B. Dick, and C. B. Fites, Ferguson, assignors to Wagner Electric Corporation, St. Louis, Mo. Air compressor. 2,136,475; Nov. 15.

Stuhmer, Geo. F., & Company. (See Brykczynski, C. S., and Kosman, assignors.)

Sturm, Max, Jr., Union City, N. J. Buble pipe device. 2,137,034; Nov. 15.

Styles, Eric R., Minoco Wharf, West Silvertown, London, assignor to Silvertown Lubricants Limited, London, England. Rust or corrosion preventing material or lubricant. 2,137,147; Nov. 15.

Suits, Chauncey G., Schenectady, N. Y., assignor to General Electric Company. Electric valve circuits. 2,137,148; Nov. 15.

Sullivan Machinery Company. (See Joy, Joseph F., assignor.)

Svanholm, Kaj A. (See Crudo, F., and Svanholm.)

Swallow, Joseph L., Berwyn, assignor to Wells-Gardner & Company, Chicago, Ill. Radio receiving set. 2,137,035; Nov. 15.

Swartwood, Kenneth, assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,136,715; Nov. 15.

Sweetland, Ernest J., Piedmont, Calif. Treating lumber. 2,136,730; Nov. 15.

Symington-Gould Corporation, The. (See Barrows, Donald S., assignor.)

Symington-Gould Corporation, The. (See Blattner, Emil H., assignor.)

Sziklai, George K., New York, assignor to Electro-Mechanical Research, Inc., Brooklyn, N. Y. Vent for electrolytic devices. 2,136,568; Nov. 15.

Tangen, John, et al. (See Nyhus, Hilbert J., assignor.)

Taylor, Edmund R., Mount Vernon, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission system. 2,137,036; Nov. 15.

Taywal Ltd. (See Epperson, Newell M., assignor.)

Tegge, Albert R., assignor to Bridgeport Brass Company, Bridgeport, Conn. Third rail. 2,136,766; Nov. 15.

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Federmann, W., and Richter, assignors.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schleede A., and Schroter, assignors.)

Temporator Company. (See Rollins, Arch D., assignor.)

Terrell, Charles F., Jr., assignor to The Pure Oil Company, Chicago, Ill. Fluid flow indicator. 2,137,102; Nov. 15.

Terres, Ernst, Berlin, Germany, J. Moos, New York, and H. Ramser, Long Island City, N. Y., assignors to Edeleanu Gesellschaft m. b. H. Refining mineral oils by means of aromatic fluorine compounds. 2,136,767; Nov. 15.

Terry, Roy V., Montclair, N. J., assignor to Belle Telephone Laboratories, Incorporated, New York, N. Y. Film driving element. 2,137,037; Nov. 15.

Texas Company, The. (See Grahame, J. H., and Douthett, assignors.)

Texas Comany, The. (See Gross, H. H., and Kiersted, assignors.)

Texas Company, The. (See Knowles, Edwin C., assignor.)

Thayer, Josephus J., La Grange Park, Ill. Carton printing apparatus. 2,136,897; Nov. 15.

Thomas, Carl C., Pasadena, Calif. Separator. 2,136,476; Nov. 15.

Thomas, Henry H., Clinton, Iowa. Drain valve. 2,136,898; Nov. 15.

Thompson, Albert R., Los Gatos, and R. M. Magnuson, assignors to Food Machinery Corporation, San Jose, Calif. Spray pump. 2,136,599; Nov. 15.

Thompson, Howard A., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,136,829; Nov. 15.

Thompson Products, Incorporated. (See Hufferd, George H., assignor.)

Thompson, William D., and D. W. Hawksworth, Birmingham, Mich., assignors to Chicago-Hutchins Corporation. Car roof. 2,136,657; Nov. 15.

Thomson, S. H., Manufacturing Company, The. (See Carnahan, Ralph W., assignor.)

Thornburg, Vincent E. (See Valentine, C. E., and Thornburg.)

Thuesen, Holger G. (See Hale, G. A., and Thuesen.)

Tiedemann, Julius B., assignor to A. O. Smith Corporation, Milwaukee, Wis. Frame transferring mechanism and drive therefor. 2,136,477; Nov. 15.

Tinnerman, Albert H. (See Lombard, Herman G., assignor.)

Tipton, Archie. (See Smith, Daniel H., assignor.)

Toelle, August, Detroit, assignor to Ford Motor Company, Dearborn, Mich. Regulator for battery charging systems. 2,136,716; Nov. 15.

Tokheim Oil Tank and Pump Company. (See Trudeau, Maximillian O., assignor.)

Tongue, Thomas O. (See Gabeler, W. H., Wilson, Tongue, and Shoeld.)
Toyers of Summit, Inc. (See Gattuso, Salvatore, assignor.)
Transit Research Corporation. (See Piron, Emil H., assignor.)
Travis, Alvin J., Hardesty, Okla., assignor to F. E. Evans, Darrouzett, Tex. Straight lift pump jack. 2,136,478; Nov. 15.
Trevor, Bertram, Riverhead, N. Y., assignor to Radio Corporation of America. Modulation system. 2,136,479; Nov. 15.
Trimble, Harry C. (See Trimble, Homer L., assignor.)
Trimble, Homer L., Cleveland, Ohio, assignor to H. C. Trimble, Boston, Mass. Surfacing machine. 2,136,529; Nov. 15.
Trimpi, Russell W., South Orange, assignor to Newark Rivet Works, Newark, N. J. Umbrella runner and catch therefor. 2,136,569; Nov. 15.
Trout, Walter C., assignor to Lufkin Foundry & Machine Company, Lufkin, Tex. Safety coupler connection for oil well pumping powers. 2,136,480; Nov. 15.
Trudeau, Maximillian O., assignor to Tokheim Oil Tank and Pump Company, Fort Wayne, Ind. Operating control for fluid dispensing apparatus. 2,136,530; Nov. 15.
Tumbler, J. A., Laboratories. (See Tumbler, Joseph A., assignor.)
Tumbler, Joseph A., assignor to J. A. Tumbler Laboratories, Baltimore, Md. Polish. 2,136,402; Nov. 15.
Tuttle & Bailey, Inc. (See Hart, Stanley, assignor.)
Tuttle, Will R., Riverside, assignor to Edison General Electric Appliance Company, Chicago, Ill. Electric heating unit. 2,137,149; Nov. 15.
Tuyn, Marinus C. (See Moser, F. R., and Tuyn.)
Tyson, Frank, Canton, Ohio. Micrometer apparatus for angle measurements and other purposes. 2,136,958; Nov. 15.
Uehling, Fritz F., Passaic, N. J. Pressure measuring means. 2,136,809; Nov. 15.
Ullstrand, Hugo M., Evansville, Ind., assignor, by mesne assignments, to Servel, Inc., Dover, Del. Refrigeration. 2,136,600; Nov. 15.
Ulrich, Clyde W., assignor to Altorfer Bros. Company, Peoria, Ill. Spray booth construction. 2,137,038; Nov. 15.
Underpinning & Foundation Company. (See Martin, Warren S., assignor.)
Union Carbide and Carbon Corporation. (See Doolittle, Arthur K., assignor.)
Union Carbide and Carbon Corporation. (See McCurdy, Frederick T., assignor.)
Union Oil Company of California. (See Bailey, James R., assignor.)
Union Oil Company of California. (See Blount, Arthur L., assignor.)
Union Swith & Signal Company, The. (See Lucas, Samuel M., assignor.)
Union Switch & Signal Company, The. (See Staples, Crawford E., assignor.)
Union Swith & Signal Company, The. (See Thompson, Howard A., assignor.)
United Research Corporation. (See Balsley, James R., assignor.)
United Research Corporation. (See Miller, Burton F., assignor.)
United Shoe Machinery Corporation. (See Adams, Oscar C., assignor.
United Shoe Machinery Corporation. (See Engel, Karl, assignor.)
United Shoe Machinery Corporation. (See Leveque, Bernard T., assignor.)
United Shoe Machinery Corporation. (See Pollard, Carl I., assignor.)
U. S. Electrical Motors, Inc. (See Hollestelle, Jan H., assignor.)
United States Rubber Products, Inc. (See Smith, Cornelius W., assignor.)
U. S. Slicing Machine Company. (See Folk, Joseph, assignor.)
Universal Milking Machine Company, The. (See Schmitt, John A., assignor.)
Universal Oil Products Company. (See Swartwood, Kenneth, assignor.)
Usines de Melle. (See Guinot, Henri M., assignor.)
Usselman, George L., Rocky Point, N. Y., assignor to Radio Corporation of America. Container for rectifier tubes. 2,136,648; Nov. 15.
Utility Packages, Inc. (See Daller, Adrian O., assignor.)
Vaco Products, Inc. (See Durham, Hobart N., assignor.)
Valentine, Carroll E., Forest Hills, and V. E. Thornburg, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Contactless regulator. 2,137,068; Nov. 15.
Vallone, Joseph M., assignor to Barcalo Manufacturing Company, Buffalo, N. Y. Convertible bed couch. 2,136,830; Nov. 15.
Vance, Arthur W., Camden, N. J., assignor to Radio Corporation of America. Method and apparatus for communication by television. 2,137,039; Nov. 15.
Vance, Arthur W., Philadelphia, Pa., assignor to Radio Corporation of America. Television system. 2,136,810; Nov. 15.
Vance, Charles E. and J. E., Pittsburgh, Pa. Developing reactive forces. 2,136,403; Nov. 15.
Vance, John E. (See Vance, Charles E and J. E.)
Vatter, Hans, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Electric discharge vessel. 2,137,069; Nov. 15.
Vernon, General G., and A. J. Greenfield, Happy, Tex. Hydraulic transmission for converting rotary into reciprocating motion. 2,136,986; Nov. 15.
Visking Corporation, The. (See Schnecko, O., and Parth, assignors.)
Vissac, Gustave A., Calgary, Alberta, Canada. Drying and treating wet granular materials. 2,136,870; Nov. 15.
Vogel, Ralph B. (See Moore, H. E., and Vogel.)
Vogt, Clarence, Wenonah, N. J. Wheel for roller skates. 2,136,531; Nov. 15.
Vogt, Wolfram. (See Huber, E., and Vogt.)
Voigt, Wilhelm, assignor to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Film projecting apparatus. 2,137,070; Nov. 15.
Volcanic Products Corporation. (See Stromberg, John A., assignor.)
Von Pein, Edward J., Endicott, N. Y., assignor to The Hobart Manufacturing Company, Troy, Ohio. Scale. 2,137,150; Nov. 15.
Voss, Arthur. (See Asch, W., Janz, Pense, and Voss.)
Vuilleumier, Albert, Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich. Shearing mechanism and method. 2,136,831; Nov. 15.
Wadsten, Sten, Bloomfield, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Coiled coil and the method and apparatus for making. 2,136,649; Nov. 15.
Wagner Electric Corporation. (See Boldt, W. F., and Freeman, assignors.)
Wagner Electric Corporation. (See Stroup, F. H., Dick, and Fites, assignors.)
Wakenhut, Alfred, Seelze, near Hanover, assignor to J. D. Riedel-E de Haen A. G., Berlin-Britz, Germany. Luminescent zinc compounds. 2,136,871; Nov. 15.
Waldock, Dominic L., Highland Park, Mich. Airplane kite. 2,136,717; Nov. 15.
Walker, Brooks, Piedmont, Calif. Motor vehicle. 2,136,570; Nov. 15.
Walker, Frederick P., assignor to Crittall Greenhouses Limited, London, England. Greenhouse and other portable buildings. 2,136,987; Nov. 15.
Wallace, David A., Detroit, Mich. Roof construction. 2,136,718; Nov. 15.
Wallace, Henry A., Secretary of Agriculture of the United States. (See Sherrard, E. C., Beglinger, Hohf, and Bateman, assignors.)
Wallace & Tiernan Company. (See Booth, George M., assignor.)
Walton, Robert, et al. (See Humphreys, Edwin W. A. and P. H. I., and Key.)
Washburn Wire Company. (See Simons, Abraham, assignor.)
Waterman, Max L., Fairfield, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Feeding mechanism for sewing machines. 2,137,211; Nov. 15.
Watson, Edgar. (See Nelson, J. M., Jr., and Watson.)
Watt, James B., St. Helens, England, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Drawing sheet glass. 2,137,120; Nov. 15.
Waverly Heating Supply Co., The. (See Healy, Harold T., assignor.)
Weaver, Carrie J., executrix. (See Weaver, William B.)
Weaver, William B., deceased, by C. J. Weaver, executrix, Birmingham, Ala. Casting brake shoes centrifugally. 2,136,899; Nov. 15.
Weber, Philip F., Monmouth Beach, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Indicating instrument. 2,137,194; Nov. 15.
Webster, Warren, & Company. (See Moore, Ray C. and C. H., assignors.)
Wedler, Frederick C., Aiken, S. C. Jig dyeing machine and method. 2,136,571; Nov. 15.
Weidenhoff, Joseph, Inc. (See Reitherman, Ralph W., assignor.)
Weinberg, Frederick, Detroit, Mich. Internal combustion engine. 2,136,719; Nov. 15.
Weisberger, Dave, New York, N. Y. Foot inspection and recording device. 2,136,832; Nov. 15.
Wells-Garner & Company. (See Swallow, Joseph L., assignor.)
Wells, William F. (See Fair, G. M., and Wells.)
Welty, Albert B. (See Raney, C. R., and Welty.)
West, Arthur E. (See Hilbert, G. L. and A. E., and West.)
West, Jay H. (See Hilbert, G. L. and A. E., and West.)
West, Samuel K., assignor of three-eighths to B. J. Chromy, Washington, D. C. Radio antenna. 2,136,532; Nov. 15.
Westberg, Harry, Los Angeles, and R. F. Olson, Glendale, Calif. Wiener roaster and the like. 2,136,658; Nov. 15.
Western Electric Company. (See Anderson, David G., assignor.)
Western Electric Company. (See Butterfield, L. B., Garrett, and Park, assignors.)
Western Electric Company. (See Mason, Sumner R., assignor.)
Western Railroad Supply Company. (See Gort, Godfrey, assignor.)
Western Union Telegraph Company, The. (See Wilder, Harold F., assignor.)

Westinghouse Air Brake Company, The. (See Good, John N., assignor.)
Westinghouse Air Brake Company, The. (See Hewitt, Ellis E., assignor.)
Westinghouse Air Brake Company, The. (See Logan, John W., Jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bletz, Edward, assignor.)
Westinghouse Electric & Manufacturing Company. (See Crabbs, Herbert J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Dawson, John W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Dorfman, Hiller D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Fouquet, Walter, assignor.)
Westinghouse Electric & Manufacturing Company. (See Gates, Henry S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Janetschke, Erwin, assignor.)
Westinghouse Electric & Manufacturing Company. (See Kraut, S. B., and Chase, assignors.)
Westinghouse Electric & Manufacturing Company. (See Lenehan, Bernard E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mason, Ruric C., assignor.)
Westinghouse Electric & Manufacturing Company. (See McCulloch, Leon, assignor.)
Westinghouse Electric & Manufacturing Company. (See Rose, Herbert A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ross, Malcolm D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Sateren, Martin G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Smith, Benjamin H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Valentine, C. E., and Thornburg, assignors.)
Westinghouse Electric & Manufacturing Company. (See Wadsten, Sten, assignor.)
Westinghouse Electric & Manufacturing Company. (See Yost, I. A., and Jacobi, assignors.)
Westinghouse Electric & Manufacturing Company. (See Young, Douglass A., assignor.)
Weston Electrical Instrument Corporation. (See Gilbert, Roswell W., assignor.)
Wheeler, Norton L., Tulsa, Okla. Composition for dental casting patterns. 2,136,404; Nov. 15.
Wheeling Steel Corporation. (See Conner, Guy O., assignor.)
White, Alice G., executrix. (See White, Joseph C.)
White, Clarence B., Philadelphia, Pa. Method of and apparatus for producing mineral wool. 2,136,988; Nov. 15.
White, Joseph C., deceased; A. G. White, Boston, Mass., executrix. Telephone apparatus. 2,136,720; Nov. 15.
Whitman, Stewart C., New York, N. Y. Piezoelectric crystal mirror system for sound recording. 2,137,188; Nov. 15.
Whitman, Stewart C., New York, N. Y. Electrical discharge tube hair waving device. 2,137,189; Nov. 15.
Wickes Bros. (See Floeter, Frederick S., assignor.)
Wiedbrauck, Erich, H. Schrader, and K. Büche, assignors to the firm of Th. Goldschmidt A.-G., Essen-Ruhr, Germany. Decomposition of complex sulphate salts containing alkali sulphates and alkaline earth sulphates. 2,136,996; Nov. 15.
Wilder, Harold F., Radburn-Fair Lawn, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Submarine cable receiving system. 2,136,910; Nov. 15.
Williams Oil-O-Matic Heating Corporation. (See Smith, Ralph C., assignor.)
Willis, Willie L., and P. N. Young, Winston-Salem, N. C. Combination brassière and girdle. 2,136,768; Nov. 15.
Wilson, Alvin C. (See Gabeler, W. H., Wilson, Tongue, and Shoeld, assignors.)
Wilson, Lee, Sales Corporation. (See Woodson, James C., assignor.)
Wilson Supply Company. (See Nixon, Jeddy D., assignor.)
Winchell, Arthur B. (See Scofield, T. J., and Winchell.)
Winchester Repeating Arms Company. (See Dunham, George W., assignor.)
Winchester Repeating Arms Company. (See McNutt, Joseph D., assignor.)
Wingfield, Edward A., La Canada, Calif. Fuel supply system. 2,136,959; Nov. 15.
Winkelmann, Herbert A., and A. B. Fridaker, Chicago, Ill., assignors to Marbon Corporation. Ozonizer. 2,136,572; Nov. 15.
Winkelmeyer, Robert. (See Michel, C. A., Mead, and Winkelmeyer.)
Winters & Crampton Corporation. (See Anderson, Lloyd L., assignor.)
Witchger, Eugene J., assignor to The Lufkin Rule Company, Saginaw, Mich. Tape measure. 2,136,769; Nov. 15.
Witzenmann, Emil, Pforzheim, Germany. Flexible conduit. 2,136,770; Nov. 15.
Wolf, Jacques, & Company. (See Gasnier, Georges R., assignor.)
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Automatic matrix registering device. 2,137,190; Nov. 15.
Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)
Wood, Raymond E., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Interference eliminating apparatus for radio receivers. 2,136,659; Nov. 15.
Woodard, William E., Forest Hills, N. Y. Valve motion mechanism. 2,136,405; Nov. 15.
Woodburn, Ralph E., assignor to Parke, Davis & Company, Detroit, Mich. Machine for forming ribbed strips. 2,136,533; Nov. 15.
Woodson, James C., assignor to Lee Wilson Sales Corporation, Cleveland, Ohio. Enameling furnace. 2,137,040; Nov. 15.
Woolley, Rew E., Shaker Heights, Ohio, assignor to Bailey Meter Company. Measuring apparatus. 2,136,900; Nov. 15.
Workman, Frank H., Cleveland, Ohio. Antiskid device. 2,136,872; Nov. 15.
Wurmfeld, Charles J., New York, N. Y. Humidifying apparatus. 2,136,406; Nov. 15.
Wurtele, Allan R., New Roads, La. Internal combustion engine. 2,136,960; Nov. 15.
Yacovino, Ralph, New York, N. Y. Shirt. 2,136,534; Nov. 15.
Yost, Irvine A., Lakewood, Ohio, and W. H. Jacobi, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cooling and ventilating system for searchlights. 2,137,103; Nov. 15.
Young, Douglass A., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Speed regulating system. 2,137,071; Nov. 15.
Young, Ferdinand H., Lake Bluff, and H. D. Robinson, assignors to Abbott Laboratories, North Chicago, Ill. Obtaining vitamin-containing oils. 2,136,481; Nov. 15.
Young, Graeme E., Deerfield, Ill. Stage construction for theaters and the like. 2,136,833; Nov. 15.
Young, Pearl N. (See Willis, Willis L., and Young.)
Young, Russell, et al. (See Petty, William S., assignor.)
Young, William, et al. (See Petty, William S., assignor.)
Zademach, Erich R., Elizabeth, N. J., assignor to Metalwash Machinery Company, New York, N. Y. Swinging nozzle. 2,137,104; Nov. 15.
Zaucker, Ewald. (See Orthner, L., and Zaucker.)
Zeiss, Carl. (See Franke, Erich, assignor.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 15TH DAY OF NOVEMBER, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Absorption refrigerating apparatus. P. Scholl and C. Kühnel. Re. 20,921; Nov. 15.
Container. P. Nadelson. Re. 20,920; Nov. 15.
File sharpening method and apparatus. E. M. Aitken. Re. 20,914; Nov. 15.
Mill, Roller. R. Goll. Re. 20,918; Nov. 11.
Nut, Self-locking. W. A. Bergstrom. Re. 20,915; Nov. 15.
Nuts, Making spring lock. W. A. Bergstrom. Re. 20,916; Nov. 15.
Pad, Steel wool. E. R. Martin. Re. 20,919; Nov. 15.
Textile machinery, Cleaning. E. J. Eaddy. Re. 20,917; Nov. 15.

LIST OF DESIGN INVENTIONS

Ashtray. J. A. Murphy. 112,234; Nov. 15.
Bath mitt. A. M. Schroeder. 112,239; Nov. 15.
Bench. F. J. Schmitt. 112,182; Nov. 15.
Bottle. F. W. Bireley. 112,190–1; Nov. 15.
Bottle. O. H. Samuelson. 112,219; Nov. 15.
Bottle, Glass. L. J. Kihn. 112,198; Nov. 15.
Bowl or similar article, Compote. R. R. Kostellow. 112,199; Nov. 15.
Brassière. W. Rosenthal. 112,238; Nov. 15.
Brooch or similar article. G. Verrecchio. 112,153–63; Nov. 15.
Brooch pin or similar article. A. Katz. 112,148; Nov. 15.
Bumper, Automobile. P. N. Madsen. 112,201; Nov. 15.
Bumper or similar article, Vehicle. H. S. Jandus. 112,196; Nov. 15.
Cabinet, Beverage dispensing. H. H. Harr. 112,145; Nov. 15.
Cabinet, Radio receiver. L. J. Wronka. 112,225–6; Nov. 15.
Cabinet, Refrigerated dispensing. G. W. Cocks. 112,169; Nov. 15.
Case, Display. P. M. Kleinwachter. 112,149; Nov. 15.
Casing, Coin operated machine. J. O. Reinicke. 112,180; Nov. 15.
Casing, Vending machine. P. Müller-Munk. 112,208; Nov. 15.
Chair. A. S. Goldberg. 112,194; Nov. 15.
Chair, Counter. T. I. Anderson. 112,167; Nov. 15.
Coat, House. I. Geist. 112,232; Nov. 15.
Container for drinking glasses, Revolving. L. J. Gordon. 112,172; Nov. 15.
Cover for a pitcher or similar article, Dispensing. R. H. Pershall. 112,150; Nov. 15.
Covering for a vacuum cleaner casing or the like, Protective. M. S. Park. 112,236; Nov. 15.
Cribbage board. M. A. Favreau. 112,171; Nov. 15.
Cup, Medicinal measuring. G. P. Kingsbury. 112,173; Nov. 15.
Curler, Hair. F. M. Jones. 112,197; Nov. 15.
Desk unit, Combination. J. I. Silvers. 112,183; Nov. 15.
Dipper, Ice cream. R. J. Price. 112,151; Nov. 15.
Dish, Jam. J. O. Reinicke and J. F. Barnes. 112,179; Nov. 15.
Dress. A. Engel. 112,230; Nov. 15.
Dress. C. M. Neuhardt. 112,235; Nov. 15.
Dress. D. W. Price. 112,237; Nov. 15.
Dress. E. Wein. 112,240; Nov. 15.
Dress. J. Zinn. 112,241; Nov. 15.
Dress ensemble. A. Engel. 112,229; Nov. 15.
Fabric or similar article, Knitted. W. Depledge. 112,192; Nov. 15.
Fabric, Textile. G. Megibow. 112,202–5; Nov. 15.
Fabric, Textile. H. Odzer. 112,210–12; Nov. 15.
Fabric, Textile. S. S. Shapiro. 112,220; Nov. 15.
Fabric, Textile. M. Sobelman. 112,221; Nov. 15.
Ferrule for umbrellas or the like. L. Levine. 112,174; Nov. 15.
Flashlight and trouble finding device, Combined. I. M. Povsner. 112,213; Nov. 15.
Game board. P. Toti. 112,184; Nov. 15.
Game board, Naval. L. E. Corser. 112,170; Nov. 15.
Globe, Lighting fixture. A. L. Arenberg. 112,186; Nov. 15.
Handle and standard for a sadiron or similar article, Combined. R. I. Huffman. 112,195; Nov. 15.
Handle, Fishing rod. V. B. Nelson. 112,175; Nov. 15.
Holder or similar article, Display. A. P. Nieliwocki. 112,209; Nov. 15.
Holder or similar article, Soap. J. A. Zapf. 112,227; Nov. 15.
Knob. F. C. Ellis. 112,193; Nov. 15.
Lamp base. J. Wilcox. 112,224; Nov. 15.
Lamp, Ceiling. H. R. Robinson and A. J. C. Knudstrup. 112,216; Nov. 15.
Lamp, Floor. H. R. Robinson and A. J. C. Knudstrup. 112,217–18; Nov. 15.
Lyre for a piano. H. R. Heller. 112,147; Nov. 15.
Ornament, License plate. A. Soletti. 112,222; Nov. 15.
Ornament or similar article, Automobile radiator. B. E. Lemm. 112,200; Nov. 15.
Paper or similar article, Decorative. D. C. Miller. 112,233; Nov. 15.
Paper or similar article, Wrapping. L. P. Welanetz. 112,223; Nov. 15.
Pincushion. P. Cecil. 112,228; Nov. 15.
Plate for an automobile radiator grille or trunk, Decorative. C. Reynolds, Jr. 112,214; Nov. 15.
Plate or similar article, Deviled egg. A. J. Bennett. 112,168; Nov. 15.
Polisher or similar article, Shoe. E. E. Baldwin. 112,188; Nov. 15.
Rack, Piano music. H. R. Heller. 112,146; Nov. 15.
Shade, Lamp. W. H. Biever. 112,189; Nov. 15.
Signal device. L. Rittenhouse. 112,215; Nov. 15.
Siphon head or similar article. H. J. Ross. 112,181; Nov. 15.
Suit. S. Etkin. 112,231; Nov. 15.
Tire. G. W. Anderson. 112,165–6; Nov. 15.
Tire. G. W. Anderson. 112,185; Nov. 15.
Tray. J. O. Reinecke and J. F. Barnes. 112,176–8; Nov. 15.
Tray and receptacles for smokers, Combined. J. K. Milton. 112,206; Nov. 15.
Tray, Illuminated coin. C. W. Sandley. 112,152; Nov. 15.
Tumbler. J. Viatour. 112,164; Nov. 15.
Washing machine. J. R. Morgan. 112,207; Nov. 15.
Wheel. C. S. Ash. 112,187; Nov. 15.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 15TH DAY OF NOVEMBER, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive article and its manufacture. J. A. Boyer. 2,137,200–1; Nov. 15.
Abrasive articles, Making. R. C. Benner and G. J. Easter. 2,136,931; Nov. 15.
Acid derivatives of fatty acid diesters of glycols, Sulphuric. L. H. Flett. 2,136,379; Nov. 15.
Acid diamides, Pyridine-ortho-dicarboxylic. M. Hartmann and H. Ensslin. 2,136,502; Nov. 15.
Acids, Recovery of naphthenic. A. L. Blount. 2,136,608; Nov. 15.
Acyl compounds of cyanhydrins of the etio-cholane and etio-allo-cholane series and producing the same. L. Strassberger. 2,136,401; Nov. 15.
Adjustable chair. E. F. Knauth. 2,136,852; Nov. 15.
Advertising device. G. H. Forsyth. 2,136,429; Nov. 15.
Air brake. C. A. Campbell. 2,136,573–4; Nov. 15.
Air brake. C. A. Campbell. 2,136,581–2; Nov. 15.
Air compressor. F. H. Stroup, B. Dick, and C. B. Fites. 2,136,475; Nov. 15.
Air conditioner. J. E. Peoples. 2,136,634; Nov. 15.
Air conditioning system, Year-round. J. M. Lednum. 2,136,513; Nov. 15.
Aircraft, Laterally controlling. G. B. Fenton. 2,136,845; Nov. 15.
Airplane wing, Extensible. M. Gliwa. 2,137,047; Nov. 15.
Alarm, Fire. A. K. Helmersen. 2,136,740; Nov. 15.
Alloy: *See*—
Bearing alloy.
Alloy steel, Boron. A. G. de Golyer. 2,137,109–10; Nov. 15.
Alloys, Copper. F. R. Hensel and E. I. Larsen. 2,136,918; Nov. 15.
Alloys, Copper-thorium. F. R. Hensel and E. I. Larsen. 2,136,548; Nov. 15.
Alloys, Copper-uranium. F. R. Hensel and E. I. Larsen. 2,136,549; Nov. 15.
Alloys of improved characteristics, Copper. F. R. Hensel and E. I. Larsen. 2,136,919; Nov. 15.
Alloys, Silver. K. L. Emmert. 2,136,915; Nov. 15.
Amines of high molecular weight, which are rich in nitrogen, Manufacture of. P. Schlack. 2,136,928; Nov. 15.
Amplifying means, Change. J. W. Dawson. 2,137,043; Nov. 15.
Anchor, Rail. J. E. Lindeman. 2,136,554; Nov. 15.
Antenna selector system. A. P. King and R. S. Ohl. 2,136,621; Nov. 15.
Antifriction bearing. S. R. Large. 2,136,819; Nov. 15.
Antitheft device. K. L. Carter. 2,136,673; Nov. 15.
Antiskid device. F. H. Workman. 2,136,872; Nov. 15.
Apparatus for direct observation of picture strips and the like, Automatic. M. C. Blondin. 2,136,486; Nov. 15.
Apparatus for integrating variable quantities. H. Dallmann. 2,137,133; Nov. 15.
Apparatus for use in stripping wool cards. E. Clark. 2,136,935; Nov. 15.
Applicator, Lip rouge. C. A. Mureau and M. Stratford. 2,136,979; Nov. 15.
Apron. A. Quinn. 2,136,983; Nov. 15.
Arc control, Photoelectric cell. K. Brenkert. 2,136,670; Nov. 15.
Arrow. A. J. Brochu. 2,137,014; Nov. 15.
Article and producing same, Die rolled. T. N. Sloan. 2,137,008; Nov. 15.
Article, Sheet formed. H. B. Richards. 2,136,889; Nov. 15.
Articles, Manufacture of molded binder-reinforced, airlaid fiber. M. O. Schur. 2,136,827; Nov. 15.
Articles of pliant character, Manufacture of molded binder-reinforced fiber. M. O. Schur. 2,136,826; Nov. 15.
Asphalt machine, Collapsible. J. M. Spears. 2,136,869; Nov. 15.
Atomizer. A. Ehbrecht. 2,136,940; Nov. 15.
Attaching and printing machine and method. C. A. Flood. 2,136,941; Nov. 15.
Bag: *See*— Lock seal bag.
Bearing: *See*—
Antifriction bearing. Segmental bearing.
Bags and the like, Method and apparatus for the formation of. A. O. Daller. 2,136,990; Nov. 15.
Balance tester. J. W. Morse. 2,136,633; Nov. 15.
Bank, Coin. L. Kriegsfeld. 2,136,623; Nov. 15.
Base, Coin collector. J. J. Kuhn. 2,136,624; Nov. 15.
Base feeder. J. J. Malloy. 2,137,173; Nov. 15.
Baseboard for plaster and the like. C. S. Gardaile. 2,136,481; Nov. 15.
Battery connecter. A. A. Flynn. 2,136,814; Nov. 15.
Battery container. F. M. Martino. 2,136,749; Nov. 15.
Bearing alloy. J. G. Ryan. 2,136,655; Nov. 15.
Bearing structures, Making. F. T. McCurdy. 2,136,946; Nov. 15.
Bed couch, Convertible. J. M. Vallone. 2,136,830; Nov. 15.
Beer, Manufacturing. R. Gull. 2,136,685; Nov. 15.
Belt, Apparel. L. Krantz. 2,136,796; Nov. 15.
Belt, Conveyer. H. D. Hume and J. E. Love. 2,136,363; Nov. 15.
Bimetal, Heat treating. H. D. Dorfman. 2,137,078; Nov. 15.
Binding construction and method. W. Grumbacher. 2,136,878; Nov. 15.
Bit: *See*—
Diamond bit.
Bits, Making mining machine chain cutter. F. L. Fulke. 2,137,215; Nov. 15.
Bituminous emulsions. E. J. Bert. 2,136,667; Nov. 15.
Blade and packet, Protected. J. S. Currie. 2,136,939; Nov. 15.
Blade, Protected. M. H. Pierce. 2,136,823; Nov. 15.
Blade, Protected. M. H. Pierce. 2,137,124; Nov. 15.
Block: *See*—
Brake block.
Block and wall construction, Ventilated. S. Brozek. 2,137,153; Nov. 15.
Board: *See*—
Drain board.
Bodies in or on transparent vessels, Apparatus for detecting the presence of foreign. N. P. Stoate. 2,137,187; Nov. 15.
Boiler. J. W. Putnam, Jr. 2,136,728; Nov. 15.
Bomb. P. Liégeois. 2,137,056; Nov. 15.
Bone pin. R. H. Schneider. 2,136,471; Nov. 15.
Book indicator. R. Cohen. 2,136,490; Nov. 15.
Bookbinder. A. E. Bloomfield and W. E. Smith. 2,137,212; Nov. 15.
Bookbinding machine. A. N. Hanna. 2,136,773; Nov. 15.
Boot or shoe, Orthopedic. A. Förster and L. Ruckert. 2,136,815; Nov. 15.
Boric oxide, Producing crystalline. L. McCulloch. 2,137,058; Nov. 15.
Box: *See*—
Display box. Stuffing box.
Bottle breaking device. W. L. M. Legg. 2,137,191; Nov. 15.
Brake: *See*—
Air brake. Fluid pressure brake.
Brake block, Composite. D. S. Bruce. 2,136,585; Nov. 15.
Brake control means. E. E. Hewitt. 2,137,018; Nov. 15.
Brake control means, Railway vehicle. J. W. Logan, Jr. 2,137,019; Nov. 15.
Brake control mechanism. W. F. Boldt and W. R. Freeman. 2,136,410; Nov. 15.
Brake drum cooling construction. C. W. Sinclair. 2,136,472; Nov. 15.
Brake drums, Manufacture of. F. H. Le Jeune. 2,136,447; Nov. 15.
Brake mechanism. C. A. Sawtelle. 2,136,470; Nov. 15.
Brake mechanism. D. H. Seeley. 2,136,806; Nov. 15.
Brake operating device, Hydro-mechanical. C. G. Schreyer. 2,136,398; Nov. 15.
Brake shoes centrifugally, Casting. W. B. Weaver. 2,136,899; Nov. 15.
Brake system, Hydraulic. R. S. Begg. 2,136,835; Nov. 15.
Brassière and girdle, Combination. W. L. Willis and P. N. Young. 2,136,768; Nov. 15.
Bread conditioners, Preparing. A. Pollak. 2,137,027; Nov. 15.
Bread loaf forming machine. C. S. Brykczynski and J. Kosman. 2,136,487; Nov. 15.
Broaching machine. F. S. Floeter. 2,136,680; Nov. 15.
Bucket, Excavating. J. M. Roberts. 2,136,890; Nov. 15.
Buffing wheel. J. Levoy. 2,136,747; Nov. 15.
Burner: *See*—
Gas burner. Oil burner.
Burner arrangement, Multiple. G. E. Seil. 2,137,185; Nov. 15.
Burner control system, Variable temperature. C. Penn. 2,136,753; Nov. 15.
Burner for pulverized fuel. L. V. Andrews. 2,136,777; Nov. 15.
Bushing, Drive. D. L. Driscoll. 2,136,418; Nov. 15.
Business machine. T. M. Butler. 2,136,671; Nov. 15.
Button positioning means and mechanism. B. Bares. 2,136,536; Nov. 15.
Cabinet: *See*—
Refrigerator cabinet.
Cabinet. A. J. Dinkel. 2,136,843; Nov. 15.
Cabinet for automobiles, Seat. A. Armour. 2,136,407; Nov. 15.

Cable outlet. G. Gort. 2,136,546; Nov. 15.
Cable receiving system, Submarine. H. F. Wilder. 2,136,910; Nov. 15.
Calcium nitrate for ammoniacal gases, Manufacture of. H. Pauling. 2,136,994; Nov. 15.
Calculating machine. J. M. Laiho. 2,136,694; Nov. 15.
Cam follower mechanism. E. Franke. 2,137,081; Nov. 15.
Cap and package. J. C. Gibbs. 2,136,545; Nov. 15.
Cap for fuel-oil bottles. J. J. McLaughlin. 2,136,593; Nov. 15.
Caps, Manufacture of sheet metal. E. A. Calleson. 2,136,933; Nov. 15.
Car: *See*—
Refrigerator car. Refrigerator freight car.
Car roof. W. D. Thompson and D. W. Hawksworth. 2,136,657; Nov. 15.
Carrier: *See*—
Slide carrier. Spool carrier:
Carrier communicating system. N. Monk. 2,137,023; Nov. 15.
Carton printing apparatus. J. J. Thayer. 2,136,897; Nov. 15.
Carton sealing machine. J. L. Ferguson. 2,136,901; Nov. 15.
Cartridge loading tool. C. M. O'Neil. 2,136,459; Nov. 15.
Case: *See*—
Adjustable type case. Luggage case.
Casings, Making sausage. O. Schnecko and B. Parth. 2,136,566; Nov. 15.
Catalyst pellet and process of making. L. G. Jenness. 2,136,509; Nov. 15.
Catalysts for hydrogen production, Preparing. W. E. Spicer. 2,137,101; Nov. 15.
Cellulose azo compounds and their production, Colored. R. Dinklage. 2,136,377; Nov. 15.
Cellulose derivative compositions. N. L. Kalman. 2,136,384; Nov. 15.
Chain: *See*—
Tractor wheel lug chain.
Chain or linkage. C. H. Kestenman. 2,136,818; Nov. 15.
Chair: *See*—
Adjustable chair. Folding chair.
Collapsible chair.
Chamber, Combustion. B. A. Peterson. 2,136,635; Nov. 15.
Chlorinator, Automatic. S. J. Pugatz. 2,136,776; Nov. 15.
Churn, Buttermilk. J. Cohen. 2,136,936; Nov. 15.
Chute, Visible coin. D. C. Rockola. 2,136,891; Nov. 15.
Circuit: *See*—
Protective circuit. Radio circuit.
Valve circuit.
Circuit arrangement for carrier current telephone supply sources. K. P. Schweimer. 2,136,639; Nov. 15.
Circuit breaker and energy absorber therefor. G. A. Healis. 2,137,001; Nov. 15.
Circuit changing system. E. Michel. 2,136,859; Nov. 15.
Circuit controlling device. G. H. Leland. 2,136,698–9; Nov. 15.
Circuit system, Coupled. A. W. Barber. 2,136,664; Nov. 15.
Circuits, Electric valve. C. G. Suits. 2,137,148; Nov. 15.
Clamp: *See*—
Work clamp.
Clamp. A. Norris. 2,136,861; Nov. 15.
Clasp, Collar. A. B. Moser. 2,136,802; Nov. 15.
Classifier. H. Hardinge. 2,136,686; Nov. 15.
Claw, Teat cup. J. A. Schmitt. 2,136,956; Nov. 15.
Cleaner: *See*—
Drainage channel cleaner.
Cleaner arm attachment, Windshield. T. J. Scofield and A. B. Winchell. 2,136,909; Nov. 15.
Cleaning tool. H. L. Rogers. 2,136,595; Nov. 15.
Clinker cooling. A. E. Douglass. 2,137,158; Nov. 15.
Clock, Warper. B. Marcellus. 2,136,884; Nov. 15.
Closure, Nonrefillable bottle. M. W. Sherwood. 2,137,030; Nov. 15.
Clothesline supporting apparatus. R. R. Robertson. 2,137,183; Nov. 15.
Clutch: *See*—
Fluid clutch. Friction clutch.
Clutch. E. B. Carson. 2,136,541; Nov. 15.
Clutch control mechanism. H. J. D. McCollum. 2,136,800; Nov. 15.
Clutch for fishing reels, Adjustable tension. O. Horsrud. 2,136,438; Nov. 15.
Clutch mechanism for automotive vehicles, Power actuated. H. N. Durham. 2,136,542; Nov. 15.
Coating. A. Maclachlan. 2,136,557; Nov. 15.
Coating measuring device. L. A. Danse. 2,136,675; Nov. 15.
Coating, Protective. C. L. Hauthaway. 2,137,084; Nov. 15.
Cock, Cylinder. C. W. Ploen and A. R. Ayers. 2,136,952; Nov. 15.
Coeruleins and their manufacture, Sulphonated. E. Peyer. 2,137,143; Nov. 15.
Coil and the method and apparatus for making, Coiled. S. Wadsten. 2,136,649; Nov. 15.
Coin-handling mechanism for vending machines and the like. A. F. Parks. 2,136,561; Nov. 15.
Collapsible chair. L. Bosschieter. 2,136,838; Nov. 15.
Collar for overcoats and topcoats. S. A. Beebe. 2,137,107; Nov. 15.
Combination lock. R. Benjamin. 2,136,584; Nov. 15.
Communication by television, Method and apparatus for. A. W. Vance. 2,137,039; Nov. 15.
Communion set. H. C. Freetag, H. P. O'Dell, and F. W. Smith. 2,136,916; Nov. 15.
Compartment for refrigerator cars, Ice. C. L. Moorman. 2,136,632; Nov. 15.
Compartment for vehicles, Fireproof storage. G. Crommey. 2,136,784; Nov. 15.
Compass, Fluid. H. R. Ekeberg. 2,136,970; Nov. 15.
Composition for dental casting patterns. N. L. Wheeler. 2,136,404; Nov. 15.
Concentrates, ores, or the like, Sintering of. A. Holmberg. 2,137,049; Nov. 15.
Concentration method. R. G. Osborne. 2,136,726; Nov. 15.
Concrete structure. J. A. Stromberg. 2,137,009; Nov. 15.
Condenser: *See*—
Cotton-gin condenser.
Condiment dispenser. R. Scharinger. 2,136,805; Nov. 15.
Conductor outlet, Electrical. G. Gort. 2,136,547; Nov. 15.
Conductors, Method of and machine for making hollow. W. Lowe. 2,136,388; Nov. 15.
Conduit, Flexible. E. Witzenmann. 2,136,770; Nov. 15.
Conduit, Utility. A. Corbett. 2,136,583; Nov. 15.
Connect and disconnect machine, Safety pull-rod. L. J. McKinney and C. W. Jensen. 2,136,452; Nov. 15.
Connecter: *See*—
Battery connecter. Detachable connecter.
Connecter means, Separable. H. Bleibtreu. 2,137,011; Nov. 15.
Contact device, Multiple mercury. W. Bärtsch. 2,136,874; Nov. 15.
Contact plug, Electric. C. L. Hile. 2,137,162; Nov. 15.
Contactless regulator. C. E. Valentine and V. E. Thornburg. 2,137,068; Nov. 15.
Container: *See*—
Battery container. Self-locking container.
Knockdown container.
Container. J. C. Hoffman. 2,136,795; Nov. 15.
Container closure. G. O. Conner. 2,137,076; Nov. 15.
Container closure flap. W. H. Bracken. 2,136,669; Nov. 15.
Container filling machine. A. C. Everett. 2,136,421; Nov. 15.
Container for milk bottle caps, Tube. C. R. Belk, Sr. 2,136,962; Nov. 15.
Container for rectifier tubes. G. L. Usselman. 2,136,648; Nov. 15.
Container for sheet materials. J. M. Nelson, Jr., and E. Watson. 2,137,142; Nov. 15.
Container for watches and the like. J. Lasko. 2,136,625; Nov. 15.
Control apparatus. C. B. Moore and A. E. Krogh. 2,136,631; Nov. 15.
Control device for internal combustion engines. E. E. Griese and F. B. Davis. 2,136,500; Nov. 15.
Control for fluid dispensing apparatus, Operating. M. O. Trudeau. 2,136,530; Nov. 15.
Control for ventilating devices, Remote. S. Hart. 2,136,652; Nov. 15.
Control mechanism. W. H. Kniskern. 2,136,693; Nov. 15.
Control system, Automatic. R. W. Gilbert. 2,136,682; Nov. 15.
Control system for electric dehydrators. A. G. Sauer. 2,136,469; Nov. 15.
Control system for gas heaters. P. L. Betz. 2,137,199; Nov. 15.
Conveyer discharge system. F. I. Nichols. 2,136,560; Nov. 15.
Cooler for beverages, Foam control. W. Hergott. 2,136,973; Nov. 15.
Cooling jacket fabrication. J. W. Dawson. 2,137,044; Nov. 15.
Cooling system for engines. D. B. Baker and L. F. Overholt. 2,136,605; Nov. 15.
Cords, Method and machine for manufacturing elastic helical conducting. H. H. Hollenweger. 2,136,743; Nov. 15.
Cotton-gin condenser. A. Horn. 2,136,506; Nov. 15.
Counterbalance for crankshafts. R. A. Johnson. 2,137,164; Nov. 15.
Coupler connection for oil well pumping powers, Safety. W. C. Trout. 2,136,480; Nov. 15.
Coupling: *See*—
Flexible coupling. Pipe coupling.
Coupling. M. Morgan. 2,136,947; Nov. 15.
Cover: *See*—
Reflector cover.
Cover for latch mechanisms, Removable. J. R. Fehr. 2,137,002; Nov. 15.
Covering for men's hats, Oil silk. M. A. Iannetta. 2,137,050; Nov. 15.
Crankcase breather and oil filter pipe assembly. H. G. Kamrath. 2,137,054; Nov. 15.
Crate, Bottle. J. A. Hopwood. 2,137,114; Nov. 15.
Cultivator attachment. H. Jess. 2,136,851; Nov. 15.
Curler, Hair. J. Coggans and R. Kelso. 2,136,783; Nov. 15.

Currents, Arrangement for converting alternating. E. Janetschke. 2,137,052; Nov. 15.
Cutter: *See*—
Finishing cutter. Pipe cutter.
Milling cutter.
Detector: *See*—
Halide detector.
Deflector, Heat. J. Bissonnette. 2,136,837; Nov. 15.
Detachable connecter. W. O. Hassler. 2,136,848; Nov. 15.
Device for securing together articles such as plates or the like. J. J. Blanc. 2,136,875; Nov. 15.
Diamond bit. F. Bley and M. Hoerer. 2,136,359; Nov. 15.
Dielectric material and making the same, Improved. K. Fuwa and S. Ito. 2,137,135; Nov. 15.
Digger and cleaner, Ditch. E. V. Briscoe. 2,136,911; Nov. 15.
Diggers, Attachment for vegetable. S. S. Martin. 2,136,516; Nov. 15.
Dioptermeter, Visualizing. J. S. Dunn. 2,136,735; Nov. 15.
Disconnect switch. J. J. Crabbs. 2,137,077; Nov. 15.
Disks, Manufacturing circular sheet metal. H. Schuster. 2,137,099; Nov. 15.
Dispatcher. A. D. Rollins. 2,136,711; Nov. 15.
Dispenser: *See*—
Condiment dispenser.
Dispenser. T. F. Barnes. 2,137,041; Nov. 15.
Dispensing apparatus. R. C. Smith. 2,137,031; Nov. 15.
Display box. E. A. Lee. 2,136,797; Nov. 15.
Dissolving, softening, gelatinizing, and swelling agents. W. Schrauth and K. Stickdorn. 2,137,007; Nov. 15.
Door check. F. A. Masson. 2,137,176; Nov. 15.
Door closure. F. P. Cooper. 2,136,611; Nov. 15.
Door-holding and door-checking device, Combined. R. I. Schonitzer. 2,137,197; Nov. 15.
Draft rigging. E. H. Blattner. 2,137,152; Nov. 15.
Drafting apparatus. A. Langsner. 2,137,004; Nov. 15.
Drain board. T. J. Litle, Jr. 2,136,904; Nov. 15.
Drain for hosiery form. W. M. Schwartz. 2,136,526; Nov. 15.
Drain valve. H. H. Thomas. 2,136,898; Nov. 15.
Drainage channel cleaner. C. A. Pratt. 2,136,982; Nov. 15.
Draining device, Odor-trap. F. Klein. 2,136,945; Nov. 15.
Drier: *See*—
Sheet drier.
Drive control mechanism, Reverse. G. E. Miller. 2,136,454; Nov. 15.
Drive, Four-wheel. B. G. Johnson. 2,136,692; Nov. 15.
Driving assembly. A. Kuhns. 2,136,446; Nov. 15.
Drying apparatus for washing and the like. E. Palmgren. 2,136,993; Nov. 15.
Dye reduction product and making the same, Indigoid. A. L. Fox. 2,136,427; Nov. 15.
Dyeing machine and method, Jig. F. C. Wedler. 2,136,571; Nov. 15.
Dyeings on cellulosic fibers, After-treatment of. H. Roos. 2,136,757; Nov. 15.
Dyes, Metallized acid polyaco. M. L. Crossley and L. M. Shafer. 2,136,650; Nov. 15.
Dyestuffs of the safranine series. E. Huber and W. Vogt. 2,136,507; Nov. 15.
Dynamo-electric machine, Hydrogen-cooled. M. D. Ross. 2,137,064; Nov. 15.
Earth moving device. J. F. Knapp. 2,136,551; Nov. 15.
Electric appliance, Multi-heat. H. A. Smith. 2,136,764; Nov. 15.
Electric device. C. G. Smith. 2,137,198; Nov. 15.
Electric push-in plug. H. D. Geyer. 2,136,498; Nov. 15.
Electric switch. W. C. Edwards. 2,136,494; Nov. 15.
Electrical apparatus. H. J. Benner. 2,136,731; Nov. 15.
Electrical apparatus. H. S. Gates. 2,137,082; Nov. 15.
Electrical device and making the same. L. B. Butterfield, R. F. Garrett, and R. E. Park, Jr. 2,136,609; Nov. 15.
Electrical equipment mounting. H. J. Loftis. 2,136,555; Nov. 15.
Electrical terminal. J. S. Martin. 2,136,366; Nov. 15.
Electrical transmitting mechanism and circuit. C. L. Calkins. 2,136,672; Nov. 15.
Electrode assembly. Making an. F. O. Budnick. 2,136,932; Nov. 15.
Electrode for electronic tubes, Pertused. E. A. Colby. 2,136,610; Nov. 15.
Electron discharge device. C. F. Miller. 2,137,005; Nov. 15.
Electron tube. W. Federmann and J. Richter. 2,137,202; Nov. 15.
Enameling furnace. J. C. Woodson. 2,137,040; Nov. 15.
Energy absorber for circuit breakers. W. Deans. 2,137,000; Nov. 15.
Engine: *See*—
Internal combustion engine. Rotary engine.
Engine fed through a radiator system, Supercharged. L. Birkigt. 2,136,964; Nov. 15.
Envelope handling machine. E. J. Dummer and E. L. Pinder. 2,136,786; Nov. 15.
Esters, especially of ethyl acetate, Manufacture of. H. M. Guinot. 2,136,613; Nov. 15.
Esters of substituted alkylaminoalkanols, Carbanilic acid. W. G. Christiansen and S. E. Harris. 2,137,042; Nov. 15.
Ether, Preparation of divinyl. W. A. Lott. 2,136,387; Nov. 15.
Eyelash darkener. H. J. Bednar. 2,136,779; Nov. 15.
Fabric: *See*—
Flat knit fabric. Pile fabric.
Fabric manufacture, Pile. A. J. Signoret. 2,136,828; Nov. 15.
Fastener: *See*—
Separable fastener.
Fastener. B. C. Place. 2,136,981; Nov. 15.
Fastening means, Snap-stud. H. G. Lombard. 2,137,210; Nov. 15.
Feed mechanism for motion picture apparatus, Claw. H. F. Albrecht and L. E. T. Branch. 2,136,930; Nov. 15.
Feed mechanism for wrapping machines, Wrapper. C. H. Petskeyes. 2,136,521; Nov. 15.
Feeder: *See*—
Base feeder.
Feeding and watering device. D. S. Gaskill. 2,136,587; Nov. 15.
Fence, Highway guard. E. A. Robertson. 2,136,710; Nov. 15.
Fibrous material compounds, Production of. H. Burmeister. 2,137,155; Nov. 15.
Film deposition. K. H. Fulton and J. L. Illig. 2,136,681; Nov. 15.
Film driving element. R. V. Terry. 2,137,037; Nov. 15.
Film projecting apparatus. W. Voigt. 2,137,070; Nov. 15.
Films, Composite carbohydrate. H. A. Levey. 2,137,171; Nov. 15.
Films, Production of self-sustaining transparent. H. A. Levey. 2,137,168; Nov. 15.
Filter. A. Knecht. 2,136,853; Nov. 15.
Filter. M. J. Martin. 2,136,660; Nov. 15.
Finishing cutter. E. Reaney. 2,136,954; Nov. 15.
Fire extinguishing method and medium. H. Bertsch. 2,136,963; Nov. 15.
Fish lure, Weed-resisting. T. E. Schnabel. 2,136,713; Nov. 15.
Flashlight holder. O. G. Lancaster. 2,136,855; Nov. 15.
Flat knit fabric. R. C. Amidon. 2,136,367; Nov. 15.
Flaws, Detecting. H. C. Drake. 2,136,914; Nov. 15.
Flexible coupling. W. T. Capps. 2,136,412; Nov. 15.
Floor, Auxiliary automobile. H. W. Graunke. 2,136,972; Nov. 15.
Fluid clutch. M. G. Hill. 2,136,920; Nov. 15.
Fluid flow indicator. C. F. Terrell, Jr. 2,137,102; Nov. 15.
Fluid for absorption refrigerating machines, Working. J. Fleischer. 2,136,791; Nov. 15.
Fluid pressure brake. C. A. Campbell. 2,136,575–80; Nov. 15.
Fluid pressure pump. R. H. Carr. 2,137,108; Nov. 15.
Fluid pressure brake. J. N. Good. 2,137,017; Nov. 15.
Fluid pressure regulator. F. Niesemann. 2,137,025; Nov. 15.
Fluorescent screen. A. Schleede and F. Schroter. 2,137,118; Nov. 15.
Flushing installations, Actuating means for siphon-discharge apparatus in water. G. Denner. 2,136,842; Nov. 15.
Fly closure, Garment. L. Markin. 2,136,702; Nov. 15.
Folding chair. B. W. Gammon. 2,136,543; Nov. 15.
Food materials, Treatment of. W. W. Cowgill. 2,137,205; Nov. 15.
Foodstuffs, Forming service portions of. H. D. Eklund. 2,136,361; Nov. 15.
Foot inspection and recording device. D. Weisberger. 2,136,832; Nov. 15.
Form, Dress. A. Pellegrini. 2,136,888; Nov. 15.
Forming press. A. H. Long. 2,136,856; Nov. 15.
Frame: *See*—
Picture frame.
Frame. J. F. McAdams. 2,136,905–6; Nov. 15.
Frame and handle assembly. W. Steinen. 2,136,643; Nov. 15.
Frame and handle construction for mirrors, brushes, and similar utensils. W. Steinen. 2,136,646; Nov. 15.
Frame transferring mechanism and drive therefor. J. B. Tiedemann. 2,136,477; Nov. 15.
Friction clutch. L. M. Hile. 2,136,381; Nov. 15.
Friction surfaces, Making metallic inlaid. C. Bockius, C. S. Batchelor and J. A. Cook. 2,136,370; Nov. 15.
Fuel, agglomerate containing. Manufacture of compound. R. G. MacPherson. 2,136,591; Nov. 15.
Fuel conveying and crushing mechanism. J. W. Myers. 2,136,775; Nov. 15.
Fuel, Diesel. R. C. Moran, E. W. Fuller and G. S. Crandall. 2,136,455–6; Nov. 15.
Fuel feeding means. G. E. Houghton. 2,136,688; Nov. 15.
Fuel, Motor. H. G. M. Fischer and C. E. Gustafson. 2,137,080; Nov. 15.
Fuel supply system. F. Ritz. 2,136,466; Nov. 15.
Fuel supply system. E. A. Wingfield. 2,136,959; Nov. 15.
Fur clipping machine. F. Knowles. 2,137,166; Nov. 15.
Furnace: *See*—
Enameling furnace.
Gaff. B. Abel. 2,136,661; Nov. 15.
Garment. H. E. Garrison. 2,136,380; Nov. 15.
Garment. M. J. Kanovitz. 2,136,974; Nov. 15.
Garment. E. W. Nelson. 2,136,393; Nov. 15.

Garment construction, Children's. M. and D. L. Haber. 2,136,879; Nov. 15.
Garment cover machine. M. Miller. 2,136,703; Nov. 15.
Garment or the like, Foundation. P. H. Robbins. 2,137,182; Nov. 15.
Garter, girdle, brassière or like garment. H. M. Herbener. 2,136,742; Nov. 15.
Gas burner. J. E. Loeffler. 2,136,449; Nov. 15.
Gas device, Tear. H. I. Stevenson. 2,136,647; Nov. 15.
Gas discharge paths, Control of parallel working sets comprising controlled. W. Schilling. 2,137,098; Nov. 15.
Gasket, Laminated. H. B. Denman. 2,136,734; Nov. 15.
Gate: *See*—
Traffic control-gate.
Gate and signal protective means, Combination crossing. H. C. Sampson. 2,137,196; Nov. 15.
Gear shifting mechanism for motor vehicles. S. M. Nampa. 2,136,751; Nov. 15.
Gears, Finishing. O. G. Simmons. 2,137,146; Nov. 15.
Glass, Apparatus for making sheet. A. D. Nash and W. Owen. 2,137,116; Nov. 15.
Glass, Drawing sheet. J. B. Watt. 2,137,120; Nov. 15.
Glass, Making sheet. W. Owen. 2,137,117; Nov. 15.
Glass, Process and device for tempering. A. Quentin. 2,137,061; Nov. 15.
Glass sheets, Apparatus for bending. P. P. Marshall. 2,137,115; Nov. 15.
Glass sheets, Apparatus for cutting curved. A. L. Harrington. 2,137,112; Nov. 15.
Glove. A. Charney. 2,136,413; Nov. 15.
Glove, Baseball. W. A. Kahmar. 2,136,882; Nov. 15.
Greenhouse and other portable buildings. F. P. Walker. 2,136,987; Nov. 15.
Grinder, Radial. J. Lewis. 2,137,140; Nov. 15.
Grinder workstand. M. Hokanson. 2,136,616; Nov. 15.
Guard for drinking glasses. C. S. Prince. 2,136,755; Nov. 15.
Guard for outboard motors, Propeller and rudder. A. C. Lundell. 2,136,628; Nov. 15.
Gun, Automatic rapid fire. R. Laloux. 2,136,512; Nov. 15.
Gun mount supported independently of enclosures therefor, Aircraft. J. C. Sanders. 2,136,825; Nov. 15.
Hair waving device, Electrical discharge tube. S. C. Whitman. 2,137,189; Nov. 15.
Hairpin. E. La Pour. 2,136,883; Nov. 15.
Halide detector. A. L. Henne. 2,136,741; Nov. 15.
Halides, Purification of hydrogen. E. B. Peck. 2,137,095; Nov. 15.
Hand loom. J. A. Le Page. 2,136,552; Nov. 15.
Handle for bus air doors, Safety door. H. Schlesinger. 2,137,065; Nov. 15.
Handle for dresser set utensils. W. Steinen. 2,136,645; Nov. 15.
Harp, Chromatic. W. V. A. Franklin. 2,137,160; Nov. 15.
Hat. E. C. Sloan and G. A. Sporre. 2,136,473; Nov. 15.
Hat and fan, Combined beach. N. P. and A. Ristell. 2,136,925; Nov. 15.
Headgear, Protective. J. B. Dym. 2,136,678; Nov. 15.
Headlamp. C. A. Michel, H. C. Mead, and R. Winkelmeyer. 2,137,092; Nov. 15.
Heat diffuser or baffle device. J. W. Barker. 2,136,666; Nov. 15.
Heater booster, Automobile. H. R. E. Lind. 2,136,626; Nov. 15.
Heating apparatus, Railway tank car. J. Giordano. 2,136,738; Nov. 15.
Heating structure for drying, ironing, calendering, and similar machines. J. L. Heynssens. 2,136,992; Nov. 15.
Heating systems, Apparatus for controlling. R. C. and C. H. Moore. 2,137,024; Nov. 15.
Heating unit, Electric. W. R. Tuttle. 2,137,149; Nov. 15.
Heel support. J. Pim. 2,136,980; Nov. 15.
Heels, Method of and machine for cutting wood. C. I. Pollard. 2,136,522; Nov. 15.
Hinge mechanism for lighting fixtures. L. C. Doane. 2,136,912; Nov. 15.
Hinge, Shower stall door. W. Stahl. 2,136,729; Nov. 15.
Hoisting apparatus, Hydraulic. H. O. Day. 2,137,045; Nov. 15.
Holder: *See*—
Flashlight holder. Tool holder.
Pipe and cigar holder. Transfer sheet holder.
Holder for reading stands, Book. G. Manierre. 2,136,701; Nov. 15.
Horses, Apparatus for starting race. W. F. Marresford. 2,136,365; Nov. 15.
Hose stripper. W. L. Griffin. 2,136,902; Nov. 15.
Hosiery toe, Knitted. H. W. Roesener. 2,136,892; Nov. 15.
Hosiery toe, Knitting full-fashioned. H. W. Roesener. 2,136,893; Nov. 15.
Humidifying apparatus. C. J. Wurmfeld. 2,136,406; Nov. 15.
Hydrocarbons, Catalytic conversion of. E. J. Houdry. 2,136,382; Nov. 15.
Hydrocarbons, Polymerizing. W. N. Davis. 2,136,785; Nov. 15.
Ice fishing apparatus. E. Paquette. 2,136,864; Nov. 15.
Ice rack. M. Hokanson. 2,136,615; Nov. 15.
Impulse transmitting system. C. W. Smith. 2,136,984; Nov. 15.
Incineration. W. S. Martin. 2,136,451; Nov. 15.
Indicator: *See*—
Book indicator. Fluid flow indicator.
Indicating instrument. P. F. Weber. 2,137,194; Nov. 15.
Inflating and closure means for pneumatic tires. T. E. Adams. 2,136,929; Nov. 15.
Insecticide and making same. H. Schotte and K. Görnitz. 2,136,868; Nov. 15.
Insulating, heat resisting and similar articles, and manufacturing the same. G. Delpech and R. Lambert. 2,136,877; Nov. 15.
Insulator for trolley systems, Section. L. C. Spencer. 2,137,067; Nov. 15.
Interference eliminating apparatus for radio receivers. R. E. Wood. 2,136,659; Nov. 15.
Internal combustion engine. F. E. Beckett. 2,136,358; Nov. 15.
Internal combustion engine. F. Weinberg. 2,136,719; Nov. 15.
Internal combustion engine. A. R. Wurtele. 2,136,960; Nov. 15.
Iron in a blast furnace, Reducing. E. L. Clair. 2,136,360; Nov. 15.
Ironing machine. J. J. McCabe. 2,136,722; Nov. 15.
Jack: *See*—
Pump jack.
Joint: *See*—
Rail joint. Universal joint.
Joint. M. Hokanson. 2,136,617; Nov. 15.
Joint structure and making the same. M. G. Sateren. 2,137,097; Nov. 15.
Kiln, Tunnel. T. G. McDougal. 2,137,091; Nov. 15.
Kilns and lining produced thereby, Lining. G. E. Seil. 2,137,184; Nov. 15.
Kite, Airplane. D. L. Waldock. 2,136,717; Nov. 15.
Knitting machine and method of knitting. R. C. Amidon. 2,136,368; Nov. 15.
Knitting machine, Tubular. R. H. Carhart. 2,136,934; Nov. 15.
Knitting, Making of silk. H. Kakizaki. 2,136,589; Nov. 15.
Knockdown container. O. Grimwood. 2,136,847; Nov. 15.
Laminated article. J. W. Haught. 2,136,436; Nov. 15.
Lamp base and socket, Tubular. A. J. Marshaus. 2,137,174; Nov. 15.
Lamp fixture. W. E. Belcher. 2,136,369; Nov. 15.
Latch: *See*—
Night latch. Refrigerator latch.
Latch and lock. H. G. Bedell. 2,136,408; Nov. 15.
Latch operating mechanism for automobiles. C. Knott. 2,136,854; Nov. 15.
Leaching and precipitating process and apparatus. J. L. Burnett. 2,136,372; Nov. 15.
Leather, Preparing chamois. G. R. Gasnier. 2,136,433; Nov. 15.
Lens. R. N. Falge. 2,137,079; Nov. 15.
Lens for assymetric head lamps. J. L. Koubek. 2,137,055; Nov. 15.
Leuco derivatives of indigoid dyes, Unsymmetrical modified. A. L. Fox. 2,136,428; Nov. 15.
Levelizer. B. G. Harley. 2,136,614; Nov. 15.
Lift, Automobile. D. D. Myers. 2,136,750; Nov. 15.
Lifter: *See*—
Pan lifter.
Lifts, Controlling system for. A. A. Chubb. 2,137,075; Nov. 15.
Light fixture. C. E. Baldauf. 2,137,106; Nov. 15.
Lighter, Cigar. J. H. Cohen. 2,137,195; Nov. 15.
Lighting fixture. S. B. Kraut and H. J. Chase. 2,137,089; Nov. 15.
Lining for tubular parts, Alloy. S. Straty. 2,136,474; Nov. 15.
Liquid cooler control. D. H. Dolinson. 2,136,813; Nov. 15.
Liquid tank. C. P. McHugh. 2,136,390; Nov. 15.
Lobster-claw lock. L. J. Barwood. 2,136,484; Nov. 15.
Lock: *See*—
Combination lock. Permutation lock.
Lobster-claw lock.
Lock. E. W. North. 2,136,654; Nov. 15.
Lock safety device, Door. C. Doeppel. 2,136,677; Nov. 15.
Lock seal bag. A. C. Strayer. 2,136,598; Nov. 15.
Lock seam culverts, Method and apparatus for making helical. J. R. Freeze. 2,136,942; Nov. 15.
Locker, Cold storage. A. G. Amos, E. E. McGrew, and P. Hergenrader. 2,137,105; Nov. 15.
Locking device for automobile hoods. H. J. Nyhus. 2,136,948; Nov. 15.
Locking device for vehicle wheels. L. Saives. 2,136,760; Nov. 15.
Log for measuring the distance traveled by water-borne vessels. G. A. and W. A. E. Rockall. 2,136,756; Nov. 15.
Loom: *See*—
Hand loom.
Lubricant, Extreme pressure. F. R. Moser and M. C. Tuyn. 2,136,885; Nov. 15.
Lubricating composition. F. L. Miller. 2,136,391; Nov. 15.

Lubricating means. J. L. Creveling. 2,136,492; Nov. 15.
Lubrication apparatus and the like. M. Newmark and E. Moss. 2,136,803; Nov. 15.
Luggage case, Hand. A. I. Levien. 2,136,553; Nov. 15.
Lumber, Treating. E. J. Sweetland. 2,136,730; Nov. 15.
Machine for automatic forming and delivery of ice cream. R. Hirschson. 2,136,505; Nov. 15.
Machine for forming ribbed strips. R. E. Woodburn. 2,136,533; Nov. 15.
Machine for treating concrete mix and laying and surfacing the same. A. W. French. 2,136,917; Nov. 15.
Machine for winding yarn and the like. C. Marsden. 2,136,515; Nov. 15.
Magnetic inspection. A. V. de Forest. 2,136,375; Nov. 15.
Magnetic tester. P. Meichior. 2,137,177; Nov. 15.
Malt, Manufacturing. R. L. Lindsey. 2,137,141; Nov. 15.
Marking machine. W. S. Petty. 2,136,461; Nov. 15.
Match book machine. E. J. Bell. 2,137,072; Nov. 15.
Match display and holder. M. A. Bell. 2,136,989; Nov. 15.
Material, Method and apparatus for opening, carding, and cleaning fibrous. R. L. Brown. 2,136,839; Nov. 15.
Material or lubricant, Rust or corrosion preventing. E. R. Styles. 2,137,147; Nov. 15.
Material, Transparent coated sheet. E. Gebauer-Fuelnegg, E. W. Moffett, and E. M. Kratz. 2,136,544; Nov. 15.
Materials, Drying and treating wet granular. G. A. Visac. 2,136,870; Nov. 15.
Matrix registering device, Automatic. H. A. W. Wood. 2,137,190; Nov. 15.
Matter, Composition of. W. E. Gloor. 2,136,499; Nov. 15.
Measuring apparatus. R. E. Woolley. 2,136,900; Nov. 15.
Measuring device. J. D. Nixon. 2,136,457; Nov. 15.
Medicinal dressing material. H. A. Levey. 2,137,169; Nov. 15.
Mercuric compound, N-substituted carboxyl amide. M. Hartmann and L. Panizzon. 2,136,503; Nov. 15.
(Mercuric n-propyl) pyridyl carboxylamides. M. Hartmann and L. Panizzon. 2,136,501; Nov. 15.
Metal carbides, Production of. N. Sainderichin. 2,137,144; Nov. 15.
Metal, Casting. F. F. Poland and K. A. Lindner. 2,136,394; Nov. 15.
Metal powder, Apparatus for the manufacture of. E. Kramer. 2,136,445; Nov. 15.
Metal spraying apparatus. R. L. Binder. 2,136,668; Nov. 15.
Metal stock and/or rolls during cold rolling, Treating. G. H. Orozco. 2,136,725; Nov. 15.
Metalworking machine. E. S. Cornell. 2,136,491; Nov. 15.
Metals, Extracting precious. L. Bice and F. Soular. 2,136,409; Nov. 15.
Meter: *See*—
Motion indicator and velocity meter.
Metering device. P. M. Lincoln. 2,136,364; Nov. 15.
Micrometer apparatus for angle measurements and other purposes. F. Tyson. 2,136,958; Nov. 15.
Milk powder, Chocolate. E. D. Fear. 2,136,651; Nov. 15.
Mill: *See*—
Rolling mill.
Mill control. C. F. L. Røder. 2,136,907; Nov. 15.
Milling cutter, Face. E. Reaney. 2,136,953; Nov. 15.
Mineral wool, Method and apparatus for producing. C. B. White. 2,136,988; Nov. 15.
Minerals, Smelting and reduction of. M. Frankl. 2,136,430; Nov. 15.
Mining apparatus. J. F. Joy. 2,136,921; Nov. 15.
Mirror, Rear view. H. L. Bernard. 2,136,836; Nov. 15.
Miror system for sound recording, Piezoelectric crystal. S. C. Whitman. 2,137,188; Nov. 15.
Mixing apparatus. G. H. Haines. 2,137,083; Nov. 15.
Modulation system. B. Trevor. 2,136,479; Nov. 15.
Modulator. H. Bendel. 2,136,606; Nov. 15.
Moistener. W. E. Rosebush. 2,136,468; Nov. 15.
Mold: *See*—
Press mold.
Molding, Apparatus for. S. Gattuso. 2,136,432; Nov. 15.
Motion indicator and velocity meter. L. A. De Blois. 2,136,991; Nov. 15.
Motor control system. G. F. Laing. 2,136,695; Nov. 15.
Motor vehicle. O. M. Mikesell. 2,136,978; Nov. 15.
Motor vehicle. B. Walker. 2,136,570; Nov. 15.
Mounting: *See*—
Electrical equipment mounting. Wheel mounting.
Multiclutch mechanism. E. R. Burtnett. 2,136,811; Nov. 15.
Multiplier, Instrument scale length. B. H. Smith. 2,137,066; Nov. 15.
Multiswitching apparatus, Electromagnetic. A. S. Dubuar. 2,136,612; Nov. 15.
Needle, Duplex. K. L. Cooley. 2,137,132; Nov. 15.
Net, Hair. H. Auil. 2,136,603; Nov. 15.
Night latch. J. H. Brinton. 2,136,539; Nov. 15.
Nipple and cap construction. J. Little. 2,136,514; Nov. 15.
Nitrogen bases, Separation and purification of aromatic and nonaromatic. J. R. Bailey. 2,136,604; Nov. 15.
Nonskid device. H. Räz-Ammann. 2,137,062; Nov. 15.
Nonyellowing composition. E. H. Bucy. 2,136,782; Nov. 15.
Nozzle, Swinging. E. R. Zademach. 2,137,104; Nov. 15.
Objects with layers of other metals, Apparatus for coating metallic. T. Sendzimir. 2,136,957; Nov. 15.
Odor observer and odor meter. G. M. Fair and W. F. Wells. 2,136,844; Nov. 15.
Oestrogenous products and producing the same. W. Schoeller, M. Dohrn, and W. Hohlweg. 2,136,397; Nov. 15.
Oil burner, Gas-generating. G. Pirich. 2,136,727; Nov. 15.
Oil composition and producing same, Mineral. G. D. Martin. 2,137,175; Nov. 15.
Oil, Dewaxing mineral. E. C. Knowles. 2,137,209; Nov. 15.
Oil, Dewaxing wax-bearing. H. H. Gross and W. Kiersted, Jr. 2,137,208; Nov. 15.
Oil, Hydrogenation of soya bean. H. E. Moore and R. B. Vogel. 2,136,653; Nov. 15.
Oil, Lubricating. A. Furlotti. 2,136,846; Nov. 15.
Oil sands, Controlling recovery from. W. E. Lang. 2,137,167; Nov. 15.
Oil saver. A. Pranger and H. F. Carrington. 2,136,465; Nov. 15.
Oil, Solvent refining hydrocarbon. F. X. Govers. 2,137,206; Nov. 15.
Oils, Apparatus for refining. B. Clayton, W. B. Kerrich, and H. M. Stadt. 2,137,214; Nov. 15.
Oils by means of aromatic fluorine compounds, Refining mineral. E. Terres, J. Moos, and H. Ramser. 2,136,767; Nov. 15.
Oils, Conversion of hydrocarbon. K. Swartwood. 2,136,715; Nov. 15.
Oils, Obtaining vitamin-containing. F. Young and H. D. Robinson. 2,136,481; Nov. 15.
Oils, Refining hydrocarbon. F. X. Govers. 2,137,218; Nov. 15.
Oils, Treatment of. K. C. D. Hickman. 2,136,774; Nov. 15.
Opener, Clam. W. G. Frazier. 2,136,816; Nov. 15.
Ores, Apparatus for the lixiviation of mineral. C. C. Jain. 2,137,051; Nov. 15.
Ores, Treating lead. K. R. Göhre. 2,136,434; Nov. 15.
Organic compounds, Apparatus for the polymerization of. C. M. Fields. 2,136,425; Nov. 15.
Ornament, Decorative light. B. Berwick. 2,136,780; Nov. 15.
Ornament, Pocket. F. F. Jasperson. 2,136,691; Nov. 15.
Ozonizer. H. A. Winkelmann and A. B. Fridaker. 2,136,572; Nov. 15.
Package, Collapsible. J. W. Simmons. 2,136,761–2; Nov. 15.
Packaging machine, Automatic. N. B. Chaveas, W. C. and L. Kinsley, and D. K. Howe. 2,136,876; Nov. 15.
Packer. F. J. Spang. 2,136,597; Nov. 15.
Padlock. C. E. Habram and D. J. Foote. 2,136,435; Nov. 15.
Panlifter. A. V. Porro. 2,137,180; Nov. 15.
Paper and treating same, Light sensitive. C. A. Crowley and G. H. Goodyear. 2,137,015; Nov. 15.
Paper folding machine. J. Mentges. 2,136,977; Nov. 15.
Papers, Apparatus for making laminated wrapping. D. Grant. 2,136,739; Nov. 15.
Pen, Fountain. L. A. Brooke. 2,136,371; Nov. 15.
Pencil. J. P. Lynn. 2,137,022; Nov. 15.
Permanent-wave protector. A. J. Parker. 2,136,887; Nov. 15.
Permutation lock. A. J. Denerich. 2,136,493; Nov. 15.
Photographic developer. A. B. Doran. 2,136,968; Nov. 15.
Photographic enlarging machine. D. W. Rau. 2,137,028; Nov. 15.
Photographic exposures, Controlling. W. C. Huebner. 2,136,588; Nov. 15.
Picture frame. C. D. Clark. 2,137,156; Nov. 15.
Pile fabric. W. G. McCullough. 2,137,203; Nov. 15.
Pin: *See*—
Bone pin.
Pipe: *See*—
Smoking pipe.
Pipe and cigar holder, Smoker's. S. Rabkin. 2,136,824; Nov. 15.
Pipe attachment, Smoking. C. Bergman. 2,136,537; Nov. 15.
Pipe coupling, Sanitary. E. H. Goldacker. 2,137,137; Nov. 15.
Pipe cutter. J. Nixon. 2,136,518; Nov. 15.
Pipe device, Bubble. M. Sturm, Jr. 2,137,034; Nov. 15.
Pipe, Manufacture of helical lock seam. J. R. Freeze. 2,136,943; Nov. 15.
Pipe, Orienting. J. D. Hughes and R. F. Bolton. 2,136,689; Nov. 15.
Pistol, Automatic. B. H. Savage. 2,136,396; Nov. 15.
Piston. W. C. Dehn. 2,136,416; Nov. 15.
Piston. G. L. Moore. 2,136,822; Nov. 15.
Plastic composition. E. C. Sherrard, E. Beglinger, J. P. Hohf, and E. Bateman. 2,137,119; Nov. 15.
Plastics, Preparation of pigmented. B. M. Marks. 2,136,450; Nov. 15.

Plate and making the same, Electrotype. R. Buckler. 2,136,840; Nov. 15.
Plate, Hot. H. H. Patrick. 2,136,708; Nov. 15.
Plate structure, Heating. H. A. Smith. 2,136,763; Nov. 15.
Plow, Disk. B. R. Benjamin. 2,136,607; Nov. 15.
Plow, Gang. M. Howard. 2,136,550; Nov. 15.
Plug: *See*—
Contact plug. Electric push-in plug.
Pocket construction, Vest. R. Hirschfeld. 2,137,085; Nov. 15.
Polish. J. A. Tumbler. 2,136,402; Nov. 15.
Polymerization. R. T. Fields. 2,136,422; Nov. 15.
Polymerization. C. M. and R. T. Fields. 2,136,424; Nov. 15.
Polymerization process. C. M. and R. T. Fields. 2,136,423; Nov. 15.
Powder puff. G. Ballon. 2,137,125; Nov. 15.
Power supply system, Electroflow. E. A. Rockwell. 2,136,638; Nov. 15.
Power transmission. E. R. Maurer. 2,136,721; Nov. 15.
Power transmission, Automatic. W. A. Duffield. 2,136,419; Nov. 15.
Power transmission device, Variable-speed. C. Keller. 2,137,139; Nov. 15.
Press: *See*—
Forming press. Shoe sole press.
Press head, Supporting and adjusting a garment. C. Schaum. 2,136,927; Nov. 15.
Press mold, Collapsible. J. L. Milani. 2,136,517; Nov. 15.
Pressure control for hydraulic brakes. R. F. Ostrander. 2,136,706; Nov. 15.
Pressure measuring means. F. F. Uehling. 2,136,809; Nov. 15.
Pressure reducing and regulating valve. G. M. Booth. 2,137,204; Nov. 15.
Priming mixture. J. D. McNutt. 2,136,801; Nov. 15.
Printing machine. U. F. Gochoel. 2,136,683; Nov. 15.
Printing plate casting machine. W. F. Huck. 2,136,383; Nov. 15.
Projector, Teletypewriter. G. E. Atkins. 2,136,602; Nov. 15.
Protective circuit. O. P. McCarty. 2,137,216; Nov. 15.
Protector: *See*—
Permanent wave protector Ski form protector.
Protector for electric plugs. T. H. Honey. 2,136,850; Nov. 15.
Pump: *See*—
Fluid pressure pump. Vacuum pump.
Spray pump.
Pump jack, Straight lift. A. J. Travis. 2,136,478; Nov. 15.
Pumping apparatus. L. C. Rotter. 2,136,636; Nov. 15.
Quinone, Manufacture of. A. C. Carus. 2,136,966; Nov. 15.
Rack: *See*—
Ice rack. Shoe-display rack.
Radio antenna. S. K. West. 2,136,532; Nov. 15.
Radio circuit. I. A. Mitchell. 2,136,704; Nov. 15.
Radio frequency relay. N. E. Lindenblad. 2,136,448; Nov. 15.
Radio receiving set. J. L. Swallow. 2,137,035; Nov. 15.
Radio tuning indication. A. W. Barber. 2,136,665; Nov. 15.
Rail joint. J. T. Baldwin. 2,136,961; Nov. 15.
Rail, Third. A. R. Tegge. 2,136,766; Nov. 15.
Rake and stacker, Combination bull. A. M. Downey. 2,136,417; Nov. 15.
Rake, Pick-up. C. O. Hembree. 2,136,849; Nov. 15.
Range. H. T. Healy. 2,137,003; Nov. 15.
Reaction products of sulphur dioxide and olefines. C. S. Marvel and D. S. Frederich. 2,136,389; Nov. 15.
Reactive forces, Developing. C. E. and J. E. Vance. 2,136,403; Nov. 15.
Reamer, Pipe bowl. E. W. Roberts, Jr. 2,136,565; Nov. 15.
Rear control. D. L. Potter. 2,136,754; Nov. 15.
Receptacle emptying machine. J. A. Byington. 2,136,488; Nov. 15.
Rectifier system. W. Fouquet. 2,137,046; Nov. 15.
Rectifiers, Automatic disconnect for. H. A. Rose. 2,137,063; Nov. 15.
Refining. M. Fairlie. 2,136,788; Nov. 15.
Reflector cover. P. D. Phillips. 2,137,026; Nov. 15.
Reflector, Light. J. T. Norton. 2,136,862; Nov. 15.
Refrigerating and air-conditioning system in conjunction with internal combustion engines. B. Stelzer. 2,136,527; Nov. 15.
Refrigerating apparatus. H. B. Hull. 2,136,618; Nov. 15.
Refrigerating apparatus. H. F. Smith. 2,136,641; Nov. 15.
Refrigerating apparatus, Automatic control of. S. Otto and L. Bruehl. 2,137,060; Nov. 15.
Refrigerating composition. Y. Kaufman and V. K. La Mer. 2,136,385; Nov. 15.
Refrigeration. H. M. Ullstrand. 2,136,600; Nov. 15.
Refrigeration, Absorption. J. Fleischer. 2,136,790; Nov. 15.
Refrigeration, Apparatus for. B. F. Randel. 2,136,395; Nov. 15.
Refrigerator. G. J. Hopkins. 2,136,362; Nov. 15.
Refrigerator. C. Manshel. 2,136,558; Nov. 15.
Refrigerator cabinet. J. L. Knight. 2,137,165; Nov. 15.
Refrigerator car. C. D. Bonsall. 2,136,999; Nov. 15.
Refrigerator freight car. K. Schwebs. 2,136,894; Nov. 15.
Refrigerator latch. L. L. Anderson. 2,136,662; Nov. 15.
Register with preset trip mechanism. R. C. Bradley. 2,137,013; Nov. 15.
Regulator: *See*—
Contactless regulator. Fluid pressure regulator.
Regulator for battery charging systems. A. Toelle. 2,136,716; Nov. 15.
Regulator for internal combustion engines, Temperature. J. V. Giesler. 2,137,136; Nov. 15.
Relief and drain valve, Steam operated cylinder. E. P. O'Connor. 2,136,519; Nov. 15.
Reprinting and recopying machine and a method of obtaining printed copies from a mirror script original, Rotary. W. Ritzerfeld. 2,137,096; Nov. 15.
Resin composition, Vinyl. A. K. Doolittle. 2,136,378; Nov. 15.
Roadway inspecting means. J. A. Drain, Jr., and W. M. Perry. 2,136,913; Nov. 15.
Roaster and the like, Wiener. H. Westberg and R. F. Olson. 2,136,658; Nov. 15.
Rods, Stretching metal. A. H. Borwick. 2,136,538; Nov. 15.
Rolling mill. H. Schuster. 2,137,100; Nov. 15.
Roof construction. D. A. Wallace. 2,136,718; Nov. 15.
Rope or cable, Wire. M. W. Reed. 2,136,867; Nov. 15.
Rope, Wire. M. W. Reed. 2,136,865–6; Nov. 15.
Rosin, Polymerization of. A. L. Rummelsburg. 2,136,525; Nov. 15.
Rotary engine. R. Mabille. 2,137,172; Nov. 15.
Rubber, Acceleration of vulcanization of. L. Orthner and E. Zaucker. 2,136,949; Nov. 15.
Rubber compounding and compounding rubber. C. H. Campbell. 2,136,771; Nov. 15.
Rubber, Softened. W. F. Busse. 2,136,373; Nov. 15.
Safety device for motors. G. L. Hilbert and A. E. and J. H. West. 2,136,504; Nov. 15.
Safety system and device for use therewith. W. V. Cornett. 2,136,415; Nov. 15.
Salts containing alkali sulphates and alkaline earth sulphates, Decomposition of complex sulphate. E. Wiedbrauck, H. Schrader, and K. Büche. 2,136,996; Nov. 15.
Scaffold. C. K. Lamb. 2,136,696; Nov. 15.
Scale. E. J. Von Peln. 2,137,150; Nov. 15.
Scale from boilers, Removing. D. F. Murphy. 2,136,392; Nov. 15.
Scanning device. J. M. Robinson. 2,136,926; Nov. 15.
Scraper for harvester-threshers, Border. C. R. Raney and A. B. Welty. 2,136,637; Nov. 15.
Screen: *See*—
Fluorescent screen.
Screen stenciling composition. G. R. Stocker. 2,136,985; Nov. 15.
Screw adjusting device, Lead. A. H. Starkweather. 2,136,642; Nov. 15.
Screw arrangement for revolving chairs and the like, Automatic. J. Merivaara. 2,137,178; Nov. 15.
Screw or like fastener, Socket head cap. H. Rosenberg. 2,136,523; Nov. 15.
Screw, Tapping. C. G. Olson. 2,136,458; Nov. 15.
Screw or the like fasteners, Forming cap. H. Rosenberg. 2,136,524; Nov. 15.
Seal, Bottle. A. Solomon. 2,236,896; Nov. 15.
Seal, Pump. J. A. MacLean. 2,136,799; Nov. 15.
Searchlights, Cooling and ventilating system for. I. A. Yost and W. H. Jacobi. 2,137,103; Nov. 15.
Seat: *See*—
Toilet seat.
Seat and automatic closure for dry closets, Combined. W. A. Campbell and R. Givens. 2,136,489; Nov. 15.
Seat inflation device, Automobile. G. B. Jensen. 2,136,510; Nov. 15.
Sedimentation apparatus. R. T. Steindorf. 2,136,400; Nov. 15.
Sedimentation apparatus or thickener. E. W. A. and P. H. I. Humphreys, and T. D. Key. 2,136,903; Nov. 15.
Segmental bearing. O. K. Graef. 2,137,138; Nov. 15.
Self-locking container. A. St. Arnauld. 2,137,033; Nov. 15.
Separable fastener. J. E. Bobrow. 2,137,012; Nov. 15.
Separating machine. C. A. Brock. 2,136,540; Nov. 15.
Separator. C. C. Thomas. 2,136,476; Nov. 15.
Servo-brake for motor vehicles. L. Salves. 2,137,145; Nov. 15.
Sewing machine, Open stitch. J. Brussell. 2,136,781; Nov. 15.
Sewing machines, Feeding mechanism for. M. L. Waterman. 2,137,211; Nov. 15.
Sewing machine, Shoe. B. T. Leveque. 2,136,590; Nov. 15.
Sextant. P. Rinkel. 2,136,995; Nov. 15.
Shearing mechanism and method. A. Vuilleumier. 2,136,831; Nov. 15.
Shears. S. Clements. 2,136,414; Nov. 15.
Shed and heating plant therefor, Tobacco curing. H. W. Koester. 2,136,922; Nov. 15.

Shedding mechanism for looms. O. Stäubli. 2,136,765; Nov. 15.
Sheet drier. H. Honigman. 2,136,880; Nov. 15.
Shifting means for transmissions. R. Lapsley. 2,136,697; No. 15.
Shingle butt trimming machine. M. W. Koski. 2,136,622; Nov. 15.
Ship's hull. R. Paulsen. 2,136,562; Nov. 15.
Shirt. R. Yacovino. 2,136,534; Nov. 15.
Shock absorber valve. A. Peteler. 2,136,460; Nov. 15.
Shoe-display rack, Salesmen's. C. F. Scholl. 2,137,029; Nov. 15.
Shoe sole press. E. J. Le Gault. 2,136,700; Nov. 15.
Shoemaking. O. C. Adams. 2,136,482; Nov. 15.
Shuttle operating device. J. F. Rourke. 2,136,712; Nov. 15.
Sign and operating it, Animated. J. G. Best. 2,137,127; Nov. 15.
Signal: *See*—
Traffic control signal. Traffic signal.
Signaling device, Traffic. H. Paul. 2,136,804; Nov. 15.
Signaling mechanism. W. J. D. Harjes. 2,136,794; Nov. 15.
Silverware, Method and material for preventing the tarnishing of. K. H. Barnard and A. F. McLean. 2,136,483; Nov. 15.
Ski binding. S. Holm. 2,137,048; Nov. 15.
Ski form protector. J. H. E. Carlstedt. 2,136,965; Nov. 15.
Slack limiting device. E. H. Piron. 2,136,563; Nov. 15.
Sleeve and expansion insert therefor. L. Kohn. 2,136,444; Nov. 15.
Slicing machine. J. Folk. 2,136,792; Nov. 15.
Slide carrier. B. J. Kleerup. 2,136,746; Nov. 15.
Slubbing on drawing frames, Method of and device for producing. B. Pross. 2,136,923; Nov. 15.
Slush casting machine. O. Rieg. 2,137,217; Nov. 15.
Smoking pipe. N. K. Jellinghaus. 2,136,745; Nov. 15.
Snubber spring. R. C. Pierce and W. C. Hedgcock. 2,136,908; Nov. 15.
Soap of low moisture content, Apparatus for producing. B. Clayton, W. B. Kerrick, and H. M. Stadt. 2,137,213; Nov. 15.
Solids, Apparatus for cooling liquefied. T. B. Downey. 2,136,969; Nov. 15.
Sound, Apparatus for reproducing. F. Crudo and K. A. Svanholm. 2,137,157; Nov. 15.
Sound recording. B. F. Miller. 2,136,724; Nov. 15.
Sound recording and reproduction. B. F. Miller. 2,136,723; Nov. 15.
Sound reproducing system. W. B. Snow. 2,137,032; Nov. 15.
Sound reproduction. J. R. Balsley. 2,136,357; Nov. 15.
Sound reproduction. J. R. Balsley. 2,136,873; Nov. 15.
Spangle, Decorative. H. A. Levey. 2,137,170; Nov. 15.
Spark plug. M. J. Finnegan and H. Baer. 2,136,497; Nov. 15.
Spark plug, Insulating material therefor, and making the same. O. C. Rohde. 2,136,467; Nov. 15.
Spectacle and eyeglass frame or mounting. A. E. Euler. 2,136,679; Nov. 15.
Speed mechanism, Variable. G. Fleischel. 2,136,971; Nov. 15.
Speed regulating system. D. A. Young. 2,137,071; Nov. 15.
Speed transmission, Variable. J. H. Hollestelle. 2,136,437; Nov. 15.
Spool carrier. R. Hirschfeld. 2,137,087; Nov. 15.
Spray booth construction. C. W. Ulrich. 2,137,038; Nov. 15.
Spray pump. A. R. Thompson and R. M. Magnuson. 2,136,599; Nov. 15.
Spring: *See*—
Rubber spring. Vehicle spring.
Stage construction for theatres and the like. G. E. Young. 2,136,833; Nov. 15.
Stage, Refrigerated motion picture. N. H. Rosberg. 2,136,758; Nov. 15.
Stand for tanks. W. R. Kepler. 2,136,443; Nov. 15.
Stapling machine. S. A. Crosby. 2,136,374; Nov. 15.
Stay and combination package, Hat packing. J. G. Huye. 2,136,744; Nov. 15.
Stays, Attaching seam. K. Engel. 2,136,495; Nov. 15.
Steel, Corrosion resisting. F. C. Elder. 2,136,736; Nov. 15.
Stoker. F. T. Nicholson. 2,136,594; Nov. 15.
Stoker, Side retort. J. S. Skelly. 2,136,807; Nov. 15.
Stocking. R. A. Folkman. 2,136,426; Nov. 15.
Stretching apparatus for screen cloths. G. A. Overstrom. 2,136,950; Nov. 15.
Stuffing box, Self-lubricating. H. L. Mitchell. 2,136,860; Nov. 15.
Stuffs soft and elastic, Procedure to render albuminous artificial. W. Schrauth. 2,137,006; Nov. 15.
Stylograph. J. Donner and F. Jancsó. 2,136,967; Nov. 15.
Superphosphate, Treatment of. W. H. Gabeler, A. C. Wilson, T. O. Tongue, and M. Shoeld. 2,136,793; Nov. 15.
Support: *See*—
Heel support.
Support for base plates. G. R. Lum. 2,137,021; Nov. 15.
Surfacing machine. H. L. Trimble. 2,136,529; Nov. 15.
Surgical instrument. I. Greenwald. 2,137,121; Nov. 15.
Suspensory. J. J. Cartledge. 2,137,130; Nov. 15.
Sweeper. F. S. Davis. 2,136,676; Nov. 15.
Switch: *See*—
Disconnect switch. Electric switch.
Switch mechanism, Circuit changing. E. Michel. 2,136,858; Nov. 15.
Switch with thermal releases. E. E. Forstrom. 2,137,134; Nov. 15.
Switching device. L. Chell. 2,137,131; Nov. 15.
Swivel for preventing the twisting of fishing lines of spinning tackles and the like. H. Franzén. 2,137,016; Nov. 15.
Tank: *See*—
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Tanning agent. W. Asch, H. Janz, W. Pense, and A. Voss. 2,136,997; Nov. 15.
Tape measure. E. J. Witchger. 2,136,769; Nov. 15.
Telegraph printer. L. Cammen. 2,136,411; Nov. 15.
Telemetering apparatus. B. E. Lenehan. 2,137,090; Nov. 15.
Telephone pay station apparatus. D. G. Anderson. 2,136,601; Nov. 15.
Telephone system. G. V. King. 2,136,620; Nov. 15.
Telephonic apparatus. J. C. White. 2,136,720; Nov. 15.
Telepicture electro-optical system. W. G. H. Finch. 2,136,789; Nov. 15.
Television system. A. V. Bedford. 2,137,010; Nov. 15.
Television system. A. Karolus. 2,136,441–2; Nov. 15.
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Temperature control system. M. R. Miller. 2,136,559; Nov. 15.
Temperature indicating means for culinary vessel closure. F. A. Nodine. 2,137,094; Nov. 15.
Temperatures, Electromagnetic system for the automatic regulation of. H. Moreau. 2,137,059; Nov. 15.
Textile fibers, Opening and cleaning of. J. Monforts and J. Coussement. 2,137,093; Nov. 15.
Theater and the like, Antipanic. A. B. Christensen. 2,136,841; Nov. 15.
Thermocouple. R. C. Mason. 2,137,057; Nov. 15.
Thermostatic control system. E. Bletz. 2,137,073; Nov. 13.
Thief tube. J. F. Blake. 2,137,128; Nov. 15.
Thread or the like, Manufacture of. H. B. Kline. 2,136,386; Nov. 15.
Thread store device. L. E. Lovett. 2,136,556; Nov. 15.
Threads, Making tubular artificial textile. R. Picard and R. Fays. 2,136,462; Nov. 15.
Threads, Preparing tubular artificial textile. R. Picard and R. Fays. 2,136,463–4; Nov. 15.
Time measuring mechanism, Coin controlled. G. A. Hale and H. G. Thuesen. 2,137,111; Nov. 15.
Tinning compound. N. M. Epperson. 2,136,496; Nov. 15.
Tipping mechanism. W. C. Anthony. 2,136,663; Nov. 15.
Tire, Rubber. C. W. Smith. 2,136,567; Nov. 15.
Tobacco, Denicotinizing. F. Berka and A. Giller. 2,136,485; Nov. 15.
Toilet seat. T. Greavu. 2,136,684; Nov. 15.
Tool: *See*—
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Tool holder. J. Mayer. 2,136,592; Nov. 15.
Top for containers, Dispensing. C. S. Humphrey. 2,136,508; Nov. 15.
Top for pressing machines, Demountable. G. C. Ricketson. 2,136,564; Nov. 15.
Toy pistol. J. E. Brubaker. 2,137,154; Nov. 15.
Toy vehicle. H. Fischer. 2,137,159; Nov. 15.
Toy vehicle. D. M. Neilson. 2,136,752; Nov. 15.
Tractor hitch. P. R. Baird. 2,136,834; Nov. 15.
Tractor implements, Adjusting mechanism for. H. P. Smith. 2,136,640; Nov. 15.
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Traffic control gate. J. C. Stafford. 2,137,193; Nov. 15.
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Traffic controlling apparatus, Railway. C. E. Staples. 2,136,808; Nov. 15.
Traffic controlling apparatus, Railway. H. A. Thompson. 2,136,829; Nov. 15.
Traffic lane divider. R. R. Robertson. 2,136,709; Nov. 15.
Traffic signal. A. B. Grantham. 2,137,161; Nov. 15.
Traffic signal. A. J. Massey. 2,136,976; Nov. 15.
Trailer hitch. G. H. Hufferd. 2,136,440; Nov. 15.
Train control system. A. E. Hudd. 2,136,439; Nov. 15.
Transfer sheet holder. E. Hano. 2,136,817; Nov. 15.
Transformer. F. C. Owen. 2,136,863; Nov. 15.
Transformer. S. M. Lucas. 2,136,798; Nov. 15.
Transformer, Reactance. J. G. Sola. 2,136,895; Nov. 15.
Transmission. E. Orshansky, Jr. 2,136,886; Nov. 15.
Transmission for converting rotary into reciprocating motion, Hydraulic. G. G. Vernon and A. J. Greenfield. 2,136,986; Nov. 15.
Transmission system. E. R. Taylor. 2,137,036; Nov. 15.
Traversograph. G. A. Hart. 2,136,944; Nov. 15.
Tray, Impression. E. C. Meldman. 2,136,821; Nov. 15.
Tremulant for stringed musical instruments. M. L. Lohman. 2,136,627; Nov. 15.
Trestle, Collapsible. C. L. Edwards. 2,136,420; Nov. 15.

Trigger, Combined pull and release. P. J. Jones. 2,136,511; Nov. 15.
Trolley glider. B. G. Cooper. 2,136,937; Nov. 15.
Trolley current collector. B. G. Cooper. 2,136,938; Nov. 15.
Truck, Rail car. W. B. Dean. 2,136,733; Nov. 15.
Truck, Railway car. M. P. Blomberg. 2,137,074; Nov. 15.
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Tubes, Lighting neon. R. W. Reitherman. 2,136,924; Nov. 15.
2-BZ-1'-dibenzanthronyl, Preparing. C. F. Belcher. 2,136,998; Nov. 15.
2,4-dioxo-3,3-dialkyl-6-methyl-tetrahydro-pyridine, Manufacture of. O. Schnider. 2,137,192; Nov. 15.
Type case, Adjustable. R. I. Scheuer. 2,136,656; Nov. 15.
Typewriting machine. C. R. Mabon. 2,136,820; Nov. 15.
Umbrella runner and catch therefor. R. W. Trimpi. 2,136,569; Nov. 15.
Undercarriage construction for aircraft. W. Anttila. 2,136,778; Nov. 15.
Undergarment. M. Imershein. 2,137,163; Nov. 15.
Universal joint, Spring toggle. F. E. Nelson. 2,137,179; Nov. 15.
Utensil, Dresser set. W. Steinen. 2,136,644; Nov. 15.
Utensils, Cooking. F. A. Anetsberger. 2,136,535; Nov. 15.
Vacuum pump. B. Stelzer. 2,136,528; Nov. 15.
Valve: *See*—
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Valve. B. B. Owens. 2,136,707; Nov. 15.
Valve and seat, Internal combustion engine. R. Jardine. 2,136,690; Nov. 15.
Valve circuit, Electric. B. D. Bedford. 2,137,126; Nov. 15.
Valve for bladders and the like, Resilient. I. D. Perry. 2,136,520; Nov. 15.
Valve for internal combustion engines, Rotary. J. and E. Brown. 2,137,129; Nov. 15.
Valve motion mechanism. W. E. Woodard. 2,136,405; Nov. 15.
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Vehicle construction. S. O. Stageberg. 2,137,186; Nov. 15.
Vehicle spring, Railway. D. S. Barrows. 2,137,151; Nov. 15.
Vehicle wheel. H. R. Howland. 2,137,088; Nov. 15.
Vent for electrolytic devices. G. K. Szikiai. 2,136,568; Nov. 15.
Vessel, Electric discharge. H. Vatter. 2,137,069; Nov. 15.
Vest construction. R. Hirschfeld. 2,137,086; Nov. 15.
Vibration instrument. J. J. Ryan. 2,136,759; Nov. 15.
Vibratory structure. G. A. Overstrom. 2,136,951; Nov. 15.
Vitamin preparation, Obtaining a. H. M. Merker. 2,136,453; Nov. 15.
Volume control system. D. G. C. Luck. 2,137,020; Nov. 15.
Washer: *See*—
Well washer.
Washing machine. G. W. Dunham. 2,136,787; Nov. 15.
Wax and asphaltic constituents from oil, Removing. J. H. Grahame and W. L. Douthett. 2,137,207; Nov. 15.
Weather strip and making the same. D. H. Harnly, and W. R. Matheny. 2,136,687; Nov. 15.
Web guide mechanism. W. C. Nash. 2,136,705; Nov. 15.
Welding, Apparatus for. J. W. Free. 2,136,772; Nov. 15.
Welding machine. C. H. Quackenbush. 2,137,181; Nov. 15.
Well drilling machine. D. H. Smith. 2,136,596; Nov. 15.
Well packer. C. S. Crickmer. 2,136,674; Nov. 15.
Well washer. J. Johnson. 2,136,881; Nov. 15.
Wheel: *See*—
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Wheel for roller skates. C. Vogt. 2,136,531; Nov. 15.
Wheel-making machine. G. A. Johnson. 2,136,619; Nov. 15.
Wheel mounting. A. Dubonnet. 2,136,586; Nov. 15.
Whipstocks in wells, Setting. M. A. Lottinger. 2,136,748; Nov. 15.
Windmill. M. Massoni. 2,136,857; Nov. 15.
Window. W. C. Jones and G. Siese. 2,137,053; Nov. 15.
Windows and the like, Automatic means for operating casement. R. W. Carnahan. 2,136,812; Nov. 15.
Wire, Baling. R. D. Buckwalter. 2,136,732; Nov. 15.
Wire, Mechanism for straightening. A. Simons. 2,136,714; Nov. 15.
Work clamp. J. P. Hobart and E. C. Krueger. 2,137,113; Nov. 15.
Wringer, Hair waving pad. G. Fisher. 2,136,737; Nov. 15.
X-ray apparatus. E. S. Humphreys. 2,137,122; Nov. 15.
Yeast, Treatment of. A. S. Schultz and C. N. Frey. 2,136,399; Nov. 15.
Zinc compounds, Luminescent. A. Wakenhut. 2,136,871; Nov. 15.
Zinc electroplating solution. S. R. Mason. 2,136,629; Nov. 15.
Zinc sulphide, Manufacture of. Z. de Horvath and W. B. Paris. 2,136,376; Nov. 15.

CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 15, 1938

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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312— 36: 2,137,031
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U. S. GOVERNMENT PRINTING OFFICE: 1938

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

A. B. C. Packing Company. (See Sattinger, M. J.)
Abbeville Packing Co. (See Kimbrough, William C.)
Adams, W. H., & Co., Detroit, Mich. Medicine. Serial No. 410,531; Nov. 22. Class 6.
Allen-A Company, The, Bennington, Vt. Men's and boys' hosiery and sweaters. Serial No. 409,338; Nov. 22. Class 39.
Amalgamated Leather Companies, Inc., Wilmington, Del. Leather. Serial No. 411,145; Nov. 22. Class 1.
American Medical Specialties Co. Inc., New York, N. Y. Blood pipettes. Serial No. 384,232; Nov. 22. Class 44.
American Pop Corn Company, Sioux City, Iowa. Raw pop corn. Serial No. 411,202; Nov. 22. Class 46.
American Proca Corporation, New York, N. Y. Phonographs. Serial No. 410,854; Nov. 22. Class 36.
American Sales Book Company, Inc., Niagara Falls and Elmira, N. Y. Machines for feeding paper and attachments and parts of such machines. Serial No. 382,417; Nov. 22. Class 23.
Arden, Elizabeth, Inc., New York, N. Y. Powder, lipsticks, cheek rouge, etc. Serial No. 410,497; Nov. 22. Class 6.
Arkansas Fuel Oil Company, Shreveport, La. Electrical storage batteries. Serial No. 408,044; Nov. 22. Class 21.
Arnold, Schwinn & Co., Chicago, Ill. Bicycles and motorcycles, and cycle parts. Serial No. 409,025; Nov. 22. Class 19.
Associated Attleboro Manufacturers, Inc., Attleboro, Mass. Bracelets. Serial No. 406,366; Nov. 22. Class 28.
Austenal Laboratories, Inc., New York, N. Y. Thermoplastic synthetic resin material. Serial No. 411,147; Nov. 22. Class 1.
Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. Serial Nos. 409,500–7; Nov. 22. Class 17.
Ayerst, McKenna & Harrison (United States), Limited, Rouses Point, N. Y. Antacid preparation. Serial No. 410,628; Nov. 22. Class 6.
Ban-Dij-It Company, New York, N. Y. Finger bandages. Serial No. 411,148; Nov. 22. Class 44.
Barrett Company, The, New York, N. Y. Felt for building and roofing purposes. Serial No. 410,165; Nov. 22. Class 12.
Bartmann & Bixer Inc., New York, N. Y. Window curtains. Serial No. 409,554; Nov. 22. Class 42.
Bausch & Lomb Optical Company, Rochester, N. Y. Binoculars and field glasses. Serial No. 410,824; Nov. 22. Class 26.
Beck, Aaron, New York, N. Y. Ceramic table ware and vases. Serial No. 411,024; Nov. 22. Class 30.
Bell Syndicate, Inc., The, New York, N. Y. Series of newspaper features. Serial No. 410,631; Nov. 22. Class 38.
Booth, Walter, Shoe Company, Milwaukee, Wis. Boots and shoes. Serial No. 410,287; Nov. 22. Class 39.
Bradner Smith & Company, Chicago, Ill. Bond and writing paper, typewriter paper, etc. Serial No. 411,367; Nov. 22. Class 37.
Breck, John H., Inc., Springfield, Mass. Preparations for the hair. Serial No. 410,980; Nov. 22. Class 6.
Brown Clothing Company. (See Pincus Bros., Inc., assignor.)
Brozinskys Bakery Inc., Brooklyn, N. Y. Bread and pumpernickel. Serial No. 401,468; Nov. 22. Class 46.
Burton, John M., Richmond, Va. Tablets for treatment of nervous indigestion. Serial No. 404,514; Nov. 22. Class 6.
Calgon Incorporated, Pittsburgh, Pa. Chemical compound. Serial No. 411,489; Nov. 22. Class 6.
Callaway Mills, La Grange, Ga. Yarn. Serial No. 410,899; Nov. 22. Class 43.
Calorider Corporation, Old Greenwich, Conn. Deliquescent material. Serial No. 410,859; Nov. 22. Class 6.
Cereal Products Co., Spokane, Wash. Dog food. Serial No. 410,020; Nov. 22. Class 46.
Collectaguide Co., The, New York, N. Y. Looseleaf sheets or pamphlets. Serial No. 409,191; Nov. 22. Class 38.
Columbia Alkali Corporation, The, Barberton, Ohio. Caustic soda, soda ash, liquid chlorine, etc. Serial No. 409,863; Nov. 22. Class 6.
Conn, C. G., Ltd., Elkhart, Ind. Cornets, trumpets, French horns, etc. Serial No. 398,564; Nov. 22. Class 36.
Continental Cushion Spring Company, Chicago, Ill. Children's chairs. Serial No. 410,359; Nov. 22. Class 32.
Continental Mills, Inc., Philadelphia, Pa. Coats and suits, cloaks and capes. Serial No. 410,776; Nov. 22. Class 39.
Continental Mills, Inc., Philadelphia, Pa. Coats and suits, cloaks, and capes. Serial No. 410,861; Nov. 22. Class 39.
Co-Oral-Ite Dental Mnaufacturing Co., Santa Monica, Calif. Synthetic resin material. Serial No. 410,830; Nov. 22. Class 44.
Cramer's Foot Comfort Shop, Denver, Colo. Paper matches. Serial No. 394,889; Nov. 22. Class 9.
Cutter Manufacturing Company, Cambridge, Mass. Andirons, fire screens. Serial No. 409,992; Nov. 22. Class 13.
Dagmar Hi/Lo Enterprises. (See Grosse, Maria.)
Dalton, C. F., Los Angeles, Calif. Cosmetics. Serial No. 410,900; Nov. 22. Class 6.
Daren, Limited, Dartford, England. Biscuits. Serial No. 399,224; Nov. 22. Class 46.
Dashefsky, David, Philadelphia, Pa. Hosiery and underwear. Serial No. 410,832; Nov. 22. Class 39.
Debus Corporation, The, Hastings, Nebr. Wheat and rice in puffed or exploded form. Serial No. 408,742; Nov. 22. Class 46.
Degnon, Myron C., doing business as Tippy-Tippy Company, New York, N. Y. Women's hats. Serial No. 406,921; Nov. 22. Class 39.
De La Salle Institute, doing business as Mont La Salle Vineyards, Napa, Calif. Wines. Serial No. 407,369; Nov. 22. Class 47.
Desoutter Brothers Limited, London, England. Portable drilling and screw-driving machines. Serial No. 405,596; Nov. 22. Class 23.
Dry Color Paint Co. (See Friedman, Louis H.)
Elgin National Watch Company, Elgin, Ill. Watch balances. Serial No. 403,862; Nov. 22. Class 27.
Enro Shirt Co., The, Louisville, Ky. Shirts and pajamas. Serial Nos. 410,778–9; Nov. 22. Class 39.
Ettelbrick Shoe Company, Greenup, Ill. Children's shoes. Serial No. 410,502; Nov. 22. Class 39.
Fish, A. W., Plantsville, Conn. Canned soups. Serial No. 410,903; Nov. 22. Class 46.
Fitzgerald, John R., doing business as Tri-Pak Machinery Service, Harlingen, Tex. Fruit and vegetable grading and sizing machines. Serial No. 397,506; Nov. 22. Class 23.
Flan Company, Cleveland, Ohio. Custard dessert. Serial No. 410,649; Nov. 22. Class 46.
Friedman, Louis H., doing business as Dry Color Paint Co., Los Angeles, Calif. Paint enamel, paints and varnishes. Serial No. 409,353; Nov. 22. Class 16.
Fritz, Paul L., doing business as Silver-Saver Polish Company, Allentown, Pa. Silver polish. Serial No. 409,092; Nov. 22. Class 4.
Garten Table Pad Company, Inc., Philadelphia, Pa. Table pads. Serial No. 409,996; Nov. 22. Class 50.
Gastine Company, The. (See Goldberg, Isidore W.)
Glaser, Crandell Co., Chicago, Ill. Jams. Serial No. 411,221; Nov. 22. Class 46.
Goldberg, Isidore W., doing business as The Gastine Company, Bridgeton, N. J. Composition for the prevention of carbonization of engine-cylinders. Serial No. 407,495; Nov. 22. Class 6.
Goldstein, Isadore A., doing business as Tedbar Chemical Company, Baltimore, Md. Medicines. Serial No. 404,756; Nov. 22. Class 6.
Graino Feed Mills. (See Stewart, A. E., and M. H. Stewart.)
Great Western Glove Co., Jasper, Ind. Gloves and mittens. Serial Nos. 405,642–3; Nov. 22. Class 39.
Greenbros, Inc., Cincinnati, Ohio. Whiskey, gin, rum, etc. Serial No. 410,077; Nov. 22. Class 49.
Grosse, Maria, doing business as Dagmar Hi/Lo Enterprises, New York, N. Y. Drapery hardware. Serial No. 410,881; Nov. 22. Class 12.
Haverfield Company, The, Columbus, Ohio. Hats for women and misses. Serial No. 404,440; Nov. 22. Class 39.
Hegeman-MacCormack Corporation, New York, N. Y. Wax and gum solvents and acid and corrosion inhibitors. Serial No. 410,788; Nov. 22. Class 6.
Heidelberg Brewing Company, The, Covington, Ky. Beer. Serial No. 410,362; Nov. 22. Class 48.
Hi-Glo Products, New York, N. Y. Polishing wax for floors. Serial No. 404,712; Nov. 22. Class 16.
Hillsboro-Queen Anne Cooperative Corp., Baltimore and Queen Anne, Md. Fresh and canned vegetables. Serial No. 405,161; Nov. 22. Class 46.
Holloway, M. J., & Co., Chicago, Ill. Candy. Serial No. 409,198; Nov. 22. Class 46.
Hoop-X Company. (See Malbin, William K.)
Huber Packing Company, Inc., Olympia, Wash. Canned fruits. Serial No. 401,437; Nov. 22. Class 46.
I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Hormone preparations. Serial No. 411,298; Nov. 22. Class 6.
Ilg, Anton, Zurich, Switzerland. Sterilizers and compressors for medical bandages, medical inhalers and parts therefor. Serial No. 408,060; Nov. 22. Class 44.
Indian Products Corporation, assignor to J. A. Steinbraker, Chicago, Ill. Air conditioning units. Serial No. 410,632; Nov. 22. Class 34.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Industrial Paint and Pigment Company, The, Oklahoma City, Okla. Paints. Serial No. 402,819; Nov. 22. Class 16.
Janesville Clothing Company, Janesville, Wis. Overalls, work pants and jackets, etc. Serial No. 410,432; Nov. 22. Class 39.
Jernigan, Lee, Portland, Oreg. Tear gas guns. Serial No. 411,169; Nov. 22. Class 9.
Johnson, Corydon M., Freeport, Long Island, N. Y. Card games. Serial No. 410,763; Nov. 22. Class 22.
Jordan Marsh Company, Boston, Mass. Pianos. Serial No. 408,347; Nov. 22. Class 36.
Kali Manufacturing Co., Philadelphia, Pa. Textiles that have been treated to render them waterproof. Serial No. 394,490; Nov. 22. Class 50.
Kimbrough, William C., doing business as Abbeville Packing Co., Lafayette, La. Canned figs, canned vegetables and berries, etc. Serial No. 410,510; Nov. 22. Class 46.
Knoxville Seed Company, Incorporated, Knoxville, Tenn. Flower, field, and garden seeds. Serial No. 410,792; Nov. 22. Class 1.
Kratt, Christian, New York, N. Y. Harmonicas. Serial No. 410,367; Nov. 22. Class 36.
Kraus Bros. & Co. Inc., New York, N. Y. Whiskey. Serial No. 394,375; Nov. 22. Class 49.
Krauth & Benninghofen, Hamilton, Ohio. Music stand. Serial No. 410,793; Nov. 22. Class 36.
Krom Laboratories, Inc., Kingston, N. Y. Insect or fly spray. Serial No. 409,473; Nov. 22. Class 6.
Lamm Brothers, Incorporated, Baltimore, Md. Sport coats, suits, topcoats, etc. Serial No. 410,228; Nov. 22. Class 39.
Larus & Brother Company, Richmond, Va. Tobacco. Serial No. 411,460; Nov. 22. Class 17.
La Salle Steel Company, Hammond, Ind. Steel alloys. Serial No. 410,794; Nov. 22. Class 14.
Loeser, Julius, Company, Inc., Chicago, Ill. Scotch type whiskey. Serial No. 410,434; Nov. 22. Class 49.
Lynn, Robert M., Los Angeles, Calif. Cameras and parts thereof, sensitized photographic film, etc. Serial No. 408,850; Nov. 22. Class 26.
Maas Brothers, Inc., Tampa, Fla. Wearing apparel. Serial No. 409,477; Nov. 22. Class 39.
MacGregor Company, The, Dayton, Ohio. Golf clubs and parts thereof, and golf balls. Serial No. 411,002; Nov. 22. Class 22.
Malbin, William K., doing business as Hoop-X Company, Muskegon Heights, Mich. Game. Serial No. 408,927; Nov. 22. Class 22.
Margolin, Meyer, Elgin, Ill. Shoes. Serial No. 407,191; Nov. 22. Class 39.
May Department Stores Company, The, New York, N. Y.; Akron and Cleveland, Ohio; Baltimore, Md.; Denver, Colo.; Los Angeles, Calif.; and St. Louis, Mo. Clothing. Serial No. 410,232; Nov. 22. Class 39.
May Department Stores Company, The, New York, N. Y.; Akron and Cleveland, Ohio; Baltimore, Md.; Denver, Colo.; St. Louis, Mo.; and Los Angeles, Calif. Taffeta piece goods. Serial No. 410,299; Nov. 22. Class 42.
Maybert Corporation, New York, N. Y. Medicinal preparation. Serial No. 408,193; Nov. 22. Class 6.
Mervin Wave Clip Co., Inc., New York, N. Y. Non-electrical hair wavers. Serial No. 410,265; Nov. 22. Class 40.
Meyer, Ronald, doing business as Ronald Meyer Popcorn Co., Carnarvon, Iowa. Canned popcorn. Serial No. 409,535; Nov. 22. Class 46.
Milk Plant Specialties Corporation, Rochester, N. Y. Chemicals. Serial No. 410,797; Nov. 22. Class 6.
Miralles, Kate, doing business as Symbol Novelty Company, Long Island City, N. Y. Hand mirrors. Serial No. 411,097; Nov. 22. Class 32.
Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Padding. Serial No. 411,232; Nov. 22. Class 50.
Monmouth County Council, Veterans of Foreign Wars of the United States, Long Branch, N. J. Booklets of tickets. Serial No. 409,817; Nov. 22. Class 38.
Monsanto Chemical Company, St. Louis, Mo. Chemical compounds for use as cleansing and washing compositions. Serial No. 404,256; Nov. 22. Class 4.
Mont La Salle Vineyards. (See De La Salle Institute.)
Moorman Manufacturing Company, Quincy, Ill. Feeds for poultry. Serial No. 408,030; Nov. 22. Class 46.
Morton Sundour Fabrics Limited, Carlisle, England. Cloths and stuffs, bedspreads, pillow cases, etc. Serial No. 409,973; Nov. 22. Class 42.
Mottweiler, Oliver F., Alexandria, Ind. Thermal insulating material. Serial No. 399,104; Nov. 22. Class 12.
Murphy, Harold J., doing business as Murphy Products Co., Gouverneur, N. Y. Louse and flea powder. Serial No. 410,405; Nov. 22. Class 6.
N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Cycle electric lighting sets, dynamos, electrical head lamps, etc. Serial No. 402,311; Nov. 22. Class 21.
N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Apparatus used in welding, for timing electric impulses. Serial No. 402,313; Nov. 22. Class 21.
National Carbon Company, Inc., New York, N. Y. Insect repellent lotion. Serial No. 410,975; Nov. 22. Class 6.
National Retailer-Owned Grocers, Inc., Chicago, Ill. Cleansing tissues, paper towels, and toilet paper. Serial No. 408,618; Nov. 22. Class 37.
Neva-Moth Corporation of America, New York, N. Y. Odorless chemical processing compound. Serial No. 410,843; Nov. 22. Class 6.
Niles-Bement-Pond Company, Hartford, Conn. Metal cutting and grinding machines. Serial No. 411,007; Nov. 22. Class 23.
Northwestern Electrotype Co., Menasha, Wis. Rubber plates, electrotypes, and engraving plates. Serial No. 409,329; Nov. 22. Class 50.
Nyal Company, Detroit, Mich. Medicinal preparation. Serial No. 409,974; Nov. 22. Class 6.
O'Keefe's Brewing Company Limited, Toronto, Ontario, Canada. Ales, beers, lagers, etc. Serial No. 397,371; Nov. 22. Class 48.
Old Dutch Brewers, Inc., New York, N. Y. Non-alcoholic malt beverages. Serial No. 410,336; Nov. 22. Class 48.
Parabond Corporation of America, Boston, Mass. Construction materials. Serial No. 410,606; Nov. 22. Class 12.
Parr Paint & Color Co., The, Cleveland, Ohio. Viscid compounds for glazing, calking, and painting. Serial No. 410,236; Nov. 22. Class 12.
Pease-Moore Milling Co., West Plains, Mo., and Memphis, Tenn. Wheat flour. Serial No. 411,136; Nov. 22. Class 46.
Penick & Ford, Ltd. Incorporated, New York, N. Y. Refined grits for use as brewers' adjunct. Serial No. 409,488; Nov. 22. Class 48.
Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Bottle washing compound. Serial No. 410,476; Nov. 22. Class 4.
Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Washing powder. Serial No. 410,477; Nov. 22. Class 4.
Pep Boys, Manny, Moe & Jack, The, doing business as Varsity Products Company, Philadelphia, Pa. Auto polish. Serial No. 404,866; Nov. 22. Class 16.
Perry, Leo, doing business as Whitewater Garment Company, Whitewater, Wis. Food covers. Serial No. 409,585; Nov. 22. Class 50.
Perry, Leo, doing business as Whitewater Garment Company, Whitewater, Wis. Waterproof and silk fabrics. Serial No. 411,340; Nov. 22. Class 50.
Perry, Leo, doing business as Whitewater Garment Company, Whitewater, Wis. Bowl and pantry dish covers. Serial No. 411,341; Nov. 22. Class 50.
Phipps Hat Works, Incorporated, New York, N. Y. Ladies' hats. Serial No. 410,045; Nov. 22. Class 39.
Pincus Bros., Inc., Philadelphia, Pa., assignor to Brown Clothing Company, Minneapolis, Minn. Suits, coats, vests, etc. Serial No. 410,888; Nov. 22. Class 39.
Piper Aircraft Corporation, Lock Haven, Pa. Airplanes. Serial No. 410,845; Nov. 22. Class 19.
Pora-Jiga, Inc., New York, N. Y. Devices to be attached to bottles, etc. for delivering measured quantities of liquid. Serial No. 409,696; Nov. 22. Class 26.
Powdrell & Alexander, Inc., Danielson, Conn. Curtain materials. Serial No. 405,821; Nov. 22. Class 42.
Premium Match Co., Inc., Chicago, Ill. Matches. Serial No. 411,283; Nov. 22. Class 9.
Printz Beiderman Company, The, Cleveland, Ohio. Women's coats and suits. Serial No. 408,966; Nov. 22. Class 39.
Professional Laboratories, Inc., New York, N. Y. Medicinal preparations. Serial No. 394,805; Nov. 22. Class 6.
Reis, Robert, & Company, New York, N. Y. Men's underwear. Serial No. 405,781; Nov. 22. Class 39.
Remington Arms Company, Inc., Bridgeport, Conn. Firearms and ammunition, parts thereof and accessories therefor, paper shot shells, blank cartridges, etc. Serial No. 411,099; Nov. 22. Class 9.
Riegel Textile Corporation, New York, N. Y. Piece goods. Serial No. 410,146; Nov. 22. Class 42.
Rocky Mountain Packing Corporation, Salt Lake City, Utah. Frozen vegetables, fruits and poultry. Serial No. 410,848; Nov. 22. Class 46.
Royal Clothing Company, Philadelphia, Pa. Top coats and overcoats. Serial No. 410,659; Nov. 22. Class 39.
Russell, John E., doing business as Jack Russell, Scranton, Pa. Photographic card mount. Serial No. 411,284; Nov. 22. Class 37.
Sattinger, M. J., doing business as A. B. C. Packing Company, Los Angeles, Calif. Canned dog and cat foods. Serial No. 411,251; Nov. 22. Class 46.
Schiff, Henry T., Chicago, Ill. Cameras, photographic lenses, and sensitized photographic films. Serial No. 410,409; Nov. 22. Class 26.
Schratz Chemical Company, The, Detroit, Mich. Bath salts. Serial No. 409,440; Nov. 22. Class 6.
Schmidt, A. D., Co., San Francisco, Calif. Powder preparation for treating antacid conditions. Serial No. 410,802; Nov. 22. Class 6.
Schoeneman, J., Inc., Baltimore, Md. Coats, vests, trousers, etc. Serial No. 405,408; Nov. 22. Class 39.
Schutter Candy Company, Chicago, Ill. Candy. Serial No. 410,751; Nov. 22. Class 46.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Schwartz, Louis J., doing business as Standard Embroidery Company, Philadelphia, Pa. Embroidered fabrics in the piece. Serial No. 404,549; Nov. 22. Class 42.
Searle, G. D., & Co., Chicago, Ill. Preparation for intramuscular or intravenous injection. Serial No. 410,615; Nov. 22. Class 6.
Searle, G. D., & Co., Chicago, Ill. Medicinal tablet. Serial No. 410,616; Nov. 22. Class 6.
Sevilla Olive Packing Company, Tampa, Fla. Bottled olives, olive oil, and cherries. Serial No. 411,187; Nov. 22. Class 46.
Shakow, Joseph D., Inc., New York, N. Y. Textile fabrics. Serial No. 409,062; Nov. 22. Class 42.
Silver Dollar Products Co., Brooklyn, N. Y. Preparations for the hair. Serial No. 410,664; Nov. 22. Class 6.
Silver-Saver Polish Company. (See Fritz, Paul L.)
Sinclair Refining Company, New York, N. Y. Cleaning and degreasing compound. Serial No. 410,558; Nov. 22. Class 4.
Skat Company, The, Hartford, Conn. Soaps. Serial No. 411,139; Nov. 22. Class 4.
Southbridge Finishing Company, Southbridge, Mass. Housecoats, dresses, aprons, etc. Serial No. 410,272; Nov. 22. Class 39.
Southbridge Finishing Company, Southbridge, Mass. Cotton piece goods. Serial No. 410,273; Nov. 22. Class 42.
Southern Friction Materials Company, Charlotte, N. C. Oils. Serial No. 409,851; Nov. 22. Class 15.
Sowa Laboratories, Inc., New York, N. Y. Compositions adapted for application on metals to polish and protect the same. Serial No. 410,274; Nov. 22. Class 4.
Standard Embroidery Company. (See Schwartz, Louis J.)
Standard Garment Co. Inc., New York, N. Y. Dresses, outerskirts, blouses, etc. Serial No. 396,209; Nov. 22. Class 39.
Standard Manifold Company, Chicago, Ill. Carbon paper, inked ribbons, etc. Serial No. 409,112; Nov. 22. Class 11.
Standard Oil Corporation of California, Wilmington, Del., and San Francisco, Calif. Liquid hydrocarbon polymers of lubricating oil type. Serial No. 405,741; Nov. 22. Class 15.
Steinbraker, Joseph A. (See Indian Products Corporation, assignor.)
Stewart, A. E., and M. H. Stewart, doing business as Graino Feed Mills, Greensboro, N. C. Poultry feed. Serial No. 409,628; Nov. 22. Class 46.
Stover, Russell, doing business as Zephyr Freeze Company, Kansas City, Mo. Beverage glasses. Serial No. 410,560; Nov. 22. Class 33.
Symbol Novelty Company. (See Miralles, Kate.)
Taylor, E. D., Los Angeles, Calif. Outdoor and garden furniture. Serial No. 407,698; Nov. 22. Class 32.
Tedbar Chemical Company. (See Goldstein, Isadore A.)
Tennessee Eastman Corporation, Kingsport, Tenn. Rayon yarn. Serial No. 410,342; Nov. 22. Class 43.
Tippy-Tippy Company. (See Degnon, Myron C.)
Topeka Flour Mills Corporation, Topeka, Kans. Wheat flour. Serial No. 409,947; Nov. 22. Class 46.
Topeka Wholesale Grocery Co., The, Topeka, Kans. Canned fruits and vegetables; macaroni products; etc. Serial No. 396,519; Nov. 22. Class 46.
Tri-Pak Machinery Service. (See Fitzgerald, John R.)
Tulin Corporation, New York, N. Y. Key holder. Serial No. 409,218; Nov. 22. Class 3.
Tuttle, Rosa E., Newark, N. J. Metals. Serial No. 411,018; Nov. 22. Class 14.
United States Smelting Refining and Mining Company, Portland, Maine, and Boston, Mass. Zinc in slabs or pigs. Serial Nos. 411,388–9; Nov. 22. Class 14.
Universal Camera Corporation, New York, N. Y. Cameras. Serial No. 408,588; Nov. 22. Class 26.
Universal Camera Corporation, New York, N. Y. Photographic lenses. Serial No. 408,628; Nov. 22. Class 26.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. Serial No. 410,972; Nov. 22. Class 6.
Uth-O-Uth Laboratories, Los Angeles, Calif. Reducing cream. Serial No. 396,754; Nov. 22. Class 6.
Vanderbilt, R. T., Company, Inc., New York, N. Y. Zoisitic aplite. Serial No. 410,938; Nov. 22. Class 6.
Vapoo Products Co. Inc., New York, N. Y. Preparation for cleaning upholstery. rugs, carpets, etc. Serial No. 411,040; Nov. 22. Class 4.
Varsity Products Company. (See Pep Boys, Manny, Moe & Jack, The.)
Valsts Elektrotechniskā Fabrika, Riga, Latvia. Photographic films, film coils, and packages therefor. Serial No. 410,872; Nov. 22. Class 26.
Wagner Electric Corporation, St. Louis, Mo. Fluid composition for use in fluid pressure apparatus and systems. Serial No. 411,141; Nov. 22. Class 6.
Walter, D. N. & E., & Co., San Francisco, Calif. Venetian blinds. Serial No. 410,811; Nov. 22. Class 32.
Wamsutta Mills, New Bedford, Mass. Cotton piece goods, sheets, and pillow cases. Serial No. 410,381; Nov. 22. Class 42.
Watkins, J. R., Company, The, Winona, Minn. Soaps. cleaning preparations, cleansing powders, etc. Serial No. 406,615; Nov. 22. Class 4.
Weco Products Company, Chicago, Ill. Tooth brushes. Serial No. 409,719; Nov. 22. Class 29.
Wembley, Inc., New Orleans, La. Cravats. Serial No. 406,538; Nov. 22. Class 39.
Whitewater Garment Company. (See Perry, Leo.)
Wiggin, Henry, & Company Limited, Millbank, London, England. Nickel chrome alloy. Serial No. 407,745; Nov. 22. Class 14.
Willheim, William, Company, Inc., New York, N. Y. Piece goods. Serial No. 382,694; Nov. 22. Class 42.
Williams, R. C., & Co., Inc., New York, N. Y. Whiskey. Serial No. 410,940; Nov. 22. Class 49.
Wilson, Andrew, Inc., Springfield, N. J. Larvacide and repellent for mosquitoes. Serial No. 410,676; Nov. 22. Class 6.
Yale Fabrics Corp., New York, N. Y. Piece goods. Serial No. 410,282; Nov. 22. Class 42.
Youngstown Wholesale Grocery and Wine Company, The, Youngstown, Ohio. Wines. Serial No. 410,941; Nov. 22. Class 47.
Zephyr Freeze Company. (See Stover, Russell.)

LIST OF REGISTRANTS OF TRADE-MARKS

Aarons Mfg. Co. (See Tennenbaum, Aaron.)
Acme-Evans Company, Indianapolis, Ind. Foods. 123,525; renewed Nov. 19, 1938.
Adrian, William M., Quincy, Mass. Chemical preparation for removing stains from granite. 123,312; renewed Oct. 29, 1938.
Air Reduction Company, Incorporated, assignor to Air Reduction Sales Company, New York, N. Y. Compressed gases. 125,118; renewed Apr. 15, 1939.
Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Radio receiving sets. 362,532; Nov. 22; Serial No. 398,079; published Sept. 13, 1938. Class 21.
American Brake Shoe and Foundry Company, The, New York, N. Y. Frictional elements, fan belts, radiator hose, etc. 362,651; Nov. 22. Class 35.
American Distilling Company, The, Pekin, Ill. Straight **rye whiskey, straight bourbon whiskey,** etc. 362,660; Nov. 22. Class 49.
American Tissue Mills, Holyoke, Mass. Paper bags. 362,648; Nov. 22. Class 2.
Amend, red W., Co., Danville, Ill. Candy. 362,636; Nov. 22; Serial No. 408,775; published Sept. 13, 1938. Class 46.
American Brake Shoe and Foundry Company, The, New York, N. Y. Sills for refrigerator car doors and the like. 362,527; Nov. 22; Serial No. 395,891; published **Sept. 13, 1938. Class 19.**
AP Parts Corporation, The, Toledo, Ohio. **Mufflers.** 362,531; Nov. 22; Serial No. 397,892; published Nov. 30, 1937. **Class 23.**

Atlas Braid Co., Valley Falls, R. I. Shoelaces, braided non-elastic, narrow braided elastic. 362,566; Nov. 22; Serial No. 407,003; published Sept. 13, 1938. Class 40.
Bausch & Lomb Optical Company, Rochester, N. Y. Spectacle cases. 362,609; Nov. 22; Serial No. 407,971; published Sept .13, 1938. Class 2.
Bell Company, Inc., The, doing business as Flare Laboratories, Chicago, Ill. Glass shellac, paint and varnish remover, wax polish, etc. 362,615; Nov. 22; Serial No. 408,086; published Sept. 13, 1938. Class 16.
Bell Company, Inc., The, doing business as Flare Laboratories, Chicago, Ill. Fabric cleaner, dry cleaner, metal polish, etc. 362,616; Nov. 22; Serial No. 408,088; published Sept. 13, 1938. Class 4.
Beverages of America, Inc., Chicago, Ill. Dry cocoa mix. 362,582; Nov. 22; Serial No. 407,519; published Sept. 13, 1938. Class 46.
Beyer, Inc., Lockport, N. Y. Magnetic bracelet for holding pins or similar articles. 362,580; Nov. 22; Serial No. 407,486; published Sept. 13, 1938. Class 40.
Bleistift-Fabrik vorm. Johann Faber A. G., Stein, Germany. Pencils, crayons, chalks, etc. Serial No. 406,674; published Sept. 13, 1938. Class 37.
Bon Marche, The. (See Allied Stores Corporation.)
Bright Star Battery Company, Clifton, N. J. Dry cell batteries and flashlight casings. 362,599; Nov. 22; Serial No. 407,790; published Sept. 13, 1938. Class 21.
Brightwater Paper Company, Dover, Del., and Adams, Mass. Writing paper. 362,661–2; Nov. 22. Class 37.

Browning Laboratories, Inc., Winchester, Mass. Radio receiving sets, chassis for radio receivers, and parts thereof. 362,540; Nov. 22; Serial No. 404,203; published Sept. 13, 1938. Class 21.
Brunswig Drug Co., Los Angeles, Calif. Brushless shaving cream, lather shaving cream and shaving soap bowl. 362,622; Nov. 22; Serial No. 408,451; published Sept. 13, 1938. Class 4.
Burkhardt Company, The, Detroit, Mich. Portfolios and loose leaf binder equipped portfolios. 362,623; Nov. 22; Serial No. 408,453; published Sept. 20, 1938. Class 3.
Capital Fuel, Feed and Seed Company, Phoenix, Ariz. Planting seeds. 362,568; Nov. 22; Serial No. 407,130; published Sept. 13, 1938. Class 1.
Cardinal Laboratories, Inc., Chicago, Ill. Dry mops and oil mops. 362,573; Nov. 22; Serial No. 407,358; published Sept. 13, 1938. Class 29.
Cardinal Laboratories, Inc., Chicago, Ill. Mops, dusters, dust cloths, etc. 362,574; Nov. 22; Serial No. 407,359; published Sept. 13, 1938. Class 29.
Certain-Teed Products Corporation, St. Louis, Mo., assignors to The Glidden Company, Cleveland, Ohio. Paints and painters' materials. 123,101; renewed Oct. 15, 1938.
Chemi-Grow Ltd., Los Angeles, Calif. Chemical preparation for use as a fertilizer in water tank farming; 362,541; Nov. 22; Serial No. 402,555; published Sept. 20, 1938. Class 10.
Chicago Bridge & Iron Works, Chicago, Ill. Containers for liquids and gas. 362,583; Nov. 22; Serial No. 407,534; published Sept. 13, 1938. Class 2.
Chicago Mail Order Company, Chicago, Ill. Coats, dresses, and hats. 362,600; Nov. 22; Serial No. 407,797; published Sept. 13, 1938. Class 39.
Childs Company, New York, N. Y. Milk, soups, clam-chowder, etc. 123,203; renewed Oct. 22, 1938.
Clinton Watch Co. (See Wein, Hyman.)
Cohn, H. C., & Co., Rochester, N. Y. Neckties, mufflers, and handkerchiefs. 362,590; Nov. 22; Serial No. 407,659; published Sept. 13, 1938. Class 39.
Colonial Flour Company. (See Kell, H. V., Company.)
Columbian Enameling & Stamping Company, Terre Haute, Ind., now, by change of name to Columbian Enameling & Stamping Co., Inc. 125,033–4; renewed Apr. 8, 1939.
Commerciale Italiana Societa Anonima per il Rayon Cisa-Rayon, Rome, Italy. Thread and yarn. 362,544–5; Nov. 22; Serial Nos. 402,848–9; published Aug. 30, 1938. Class 43.
Consolidated Paper Corporation Limited, Montreal, Quebec, Canada. Binding or splicing tissue. 362,563; Nov. 22; Serial No. 406,856; published Sept. 13, 1938. Class 37.
Cook Paint & Varnish Company, North Kansas City, Mo. Paints. 362,530; Nov. 22; Serial No. 396,734; published Sept. 13, 1938. Class 16.
Corn Products Refining Company, New York, N. Y. Combinations of dry starches, dextrines, or gums, for pasting purposes. 362,638; Nov. 22; Serial No. 408,833; published Sept. 20, 1938. Class 5.
Cowdrey Products Company Inc., Fitchburg, Mass. Bottle closures. 362,645; Nov. 22. Class 50.
Crown Willamette Paper Company. (See Crown Zellerbach Corporation.)
Crown Zellerbach Corporation, also doing business as Crown Willamette Paper Company, San Francisco, Calif. Tissue paper. 362,592; Nov. 22; Serial No. 407,717; published Sept. 13, 1938. Class 37.
Crown Zellerbach Corporation, also doing business as Crown Willamette Paper Company, San Francisco, Calif. Wrapping paper. 362,593; Nov. 22; Serial No. 407,719; published Sept. 13, 1938. Class 37.
Crown Zellerbach Corporation, also doing business as Crown Willamette Paper Company, San Francisco, Calif. Paper bags. 362,594; Nov. 22; Serial No. 407,721; published Sept. 6, 1938. Class 2.
Crown Zellerbach Corporation, also doing business as Crown Willamette Paper Company, San Francisco, Calif. Wrapping paper. 362,595; Nov. 22; Serial No. 407,722; published Sept. 13, 1938. Class 37.
Crown Zellerbach Corporation, also doing business as Crown Willamette Paper Company, San Francisco, Calif. Tissue paper. 362,596; Nov. 22; Serial No. 407,723; published Sept. 13, 1938. Class 37.
Crown Zellerbach Corporation, also doing business as Crown Willamette Paper Company, San Francisco, Calif. Wrapping paper. 362,597; Nov. 22; Serial No. 407,724; published Sept. 13, 1938. Class 37.
Curtis Companies Incorporated, Clinton, Iowa. Trim for door openings, window openings, etc. 362,657; Nov. 22. Class 12.
Deitchman, Hyman, Chicago, Ill. Insect-exterminator and disinfectant. 125,204; renewed Apr. 22, 1939.
Derwood Mill, The, Derwood, Md. Food for dogs and puppies. 362,621; Nov. 22; Serial No. 408,408; published Sept. 13, 1938. Class 46.
Dick, A. B., Company, Chicago, Ill. Stencils and stencil papers. 362,559; Nov. 22; Serial No. 406,582; published Sept. 13, 1938. Class 37.
Dictograph Products Company, Inc., New York, N. Y. Interior telephone systems. 362,628; Nov. 22; Serial No. 408,694; published Sept. 13, 1938. Class 21.
Dollinger, B., Brooklyn, N. Y. Lenses. 362,558; Nov. 22; Serial No. 406,434; published Sept. 13, 1938. Class 26.
Douglas Aircraft Company, Inc., Santa Monica, Calif. Airplanes and structural parts thereof. 362,528; Nov. 22; Serial No. 396,261; published Sept. 13, 1938. Class 19.
Douglas Aircraft Company, Inc., Santa Monica, Calif. Airplanes and structural parts thereof. 362,529; Nov. 22; Serial No. 396,263; published Sept. 13, 1938. Class 19.
Drake, A. W., Companies, Pasadena, Calif. Animal traps. 362,608; Nov. 22; Serial No. 407,945; published Sept. 13, 1938. Class 50.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Rubber coated fabrics. 362,584; Nov. 22; Serial No. 407,576; published Sept. 13, 1938. Class 50.
Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Photographic lenses. 362,629; Nov. 22; Serial No 408,695; published Sept. 13, 1938. Class 26.
Edwards, Lee, Corporation, New York, N. Y. Java twine, sisal wrapping twines, Manila Ropes, etc. 362,581; Nov. 22; Serial No. 407,492; published Sept. 13, 1938. Class 7.
Eichenbusch, J. W., Co. Inc., Chicago, Ill. Suitcases, grips, and hand-bags. 125,211; renewed Apr. 22, 1939.
Fabritex Co. Inc., New York, N. Y. Cotton piece goods. 124,963; renewed Apr. 1, 1939.
Fibreboard Products Inc., San Francisco, Calif. Fiberboard cartons and pails. 362,598; Nov. 22; Serial No. 407,730; published Sept. 6, 1938. Class 2.
Flare Laboratories. (See Bell Company, Inc., The.)
Flavorex, Incorporated, New York, N. Y. Beverages, and syrups and extracts used in making same. 362,655; Nov. 22. Class 45.
Foot Controller, Inc., New York, N. Y. Arch supports and arch supporters. 362,570; Nov. 22; Serial No. 407,184; published Sept. 13, 1938. Class 44.
Forst, Jacob, Packing Co. Inc., Kingston, N. Y. Foods. 362,649; Nov. 22. Class 46.
General Shoe Corporation, Nashville, Tenn. Boots, shoes, and slippers. 362,610; Nov. 22; Serial No. 407,979; published Sept. 13, 1938. Class 39.
Getts Manufacturing Company, Monrovia, Calif. Dispensing fruit wrap holders. 362,659; Nov. 22. Class 13.
Glidden Company, The. (See Certain-Teed Products Corporation, assignor.)
Goldbein Furs, Inc., New York, N. Y. Fur coats, fur capes, fur muffs, etc. 362,612; Nov. 22; Serial No. 408,056; published Sept. 13, 1938. Class 39.
Gossard, H. W., Co., The, Chicago, Ill. Corsets, girdles, and combination corsets and brassières. 362,540; Nov. 22; Serial No. 401,778; published Sept. 13, 1938. Class 39.
Griffith-Durney Company, San Francisco, Calif. Canned fruits, canned vegetables, canned fish, etc. 362,569; Nov. 22; Serial No. 407,140; published Sept 13, 1938. Class 46.
Huyck, F. C., & Sons, Albany and Rensselaer, N. Y. Bed blankets. 362,550; Nov. 22; Serial No. 404,363; published Sept. 13, 1938. Class 42.
Huyler's New York, N. Y. Candy. 362,639; Nov. 22; Serial No. 408,950; published Sept. 13, 1938. Class 46.
I. G. Farbenindustrie Aktiengeselischaft, Frankfort-on-the-Main, Germany. Synthetic rubber and rubber-like material. 362,562; Nov. 22; Serial No. 406,717; published Sept. 13, 1938. Class 1.
International Radio Corporation, Ann Arbor, Mich. Light sensitive film and sensitized photograph paper. 362,567; Nov. 22; Serial No. 407,079; published Sept. 13, 1938. Class 26.
Iowa Manufacturing Company, Cedar Rapids, Iowa. Road building machinery. 362,571; Nov. 22; Serial No. 407,268; published Sept. 13, 1938. Class 23.
Ivers-Lee Company, Newark, N. J. Merchandise containers. 362,523; Nov. 22; Serial No. 389,991; published Aug. 30, 1938. Class 2.
Jacobs Candy Company Ltd., assignor to Jacobs Candy Company, Inc., New Orleans, La. Package candies. 123,247; renewed Oct. 22, 1938.
Kahn, David, Inc., North Bergen, N. J. Fountain pens, mechanical pencils, pencil lead containers, etc. 362,642; Nov. 22; Serial No. 408,246; published Sept. 20, 1938. Class 37.
Kell, H. V., Company, also doing business as Colonial Flour Company, Griffin, Ga. Flour. 362,630; Nov. 22; Serial No. 408,717; published Sept. 13, 1938. Class 46.
Kendall Company, The, Chicago, Ill. Athletic supporters, abdominal belts, etc. 362,644; Nov. 22. Class 44.
Kieffer, Jean, Norwich, Conn. X-ray apparatus. 362,539; Nov. 22; Serial No. 401,388; published Sept. 13, 1938. Class 44.
Kitty clover, Potato Chip Company, doing business as Kitty Clover Products Co., Omaha, Nebr. Potato chips, fried popcorn, etc. 362,575; Nov. 22; Serial No. 407,436; published Sept. 13, 1938. Class 46.
Klipper Specialty Company. (See Waite, Sheridan C.)
Kotzin, Theodore, Co. Ltd., The, Los Angeles, Calif. Wearing apparel. 362,556; Nov. 22; Serial No. 406,452; published Sept. 13, 1938. Class 39.

Kotzin, Theodore, Co., Ltd., The, Los Angeles, Calif. Men's and boys' wearing apparel. 362,557; Nov. 22; Serial No. 406,453; published Sept. 6, 1938. Class 39.
Kraus Bros. & Co., Inc., New York, N. Y. Whiskies, gins, and alcoholic cordials. 362,664; Nov. 22. Class 49.
La Grange Mills, Red Wing, Minn. Wheat-flour. 124,461; renewed Feb. 18, 1939.
Lampert, M. J., & Sons, Inc., New York, N. Y. Jewelers' saw blades. 362,624; Nov. 22; Serial No. 408,503; published Sept. 13, 1938. Class 23.
Lane, E. F., & Son, doing business as San Francisco Honey Company, San Francisco, Calif. Peanut butter and honey. 362,654; Nov. 22. Class 46.
Larus & Brother Company, Richmond, Va. Smoking tobacco and cigarettes. 362,601; Nov. 22; Serial No. 407,810; published Sept. 13, 1938. Class 17.
Larus & Brother Company, Richmond, Va. Smoking tobacco and cigarettes. 362,614; Nov. 22; Serial No. 408,110; published Sept. 13, 1938. Class 17.
Latex Foundations, Inc., New York, N. Y. Girdles, corselets, brassières, etc. 362,554; Nov. 22; Serial No. 405,396; published Aug. 2, 1938. Class 39.
Leeds Sales, Inc., Washington, D. C. Dog and cat food. 362,631; Nov. 22; Serial No. 408,721; published Sept. 13, 1938. Class 46.
Leggett, Francis H., & Company, New York, N. Y. Assorted sandwich spreads. 362,525; Nov. 22; Serial No. 394,463; published Sept. 13, 1938. Class 46.
Limpert Bros. Inc., Vineland, N. J. Paper cartons. 362,555; Nov. 22; Serial No. 406,024; published July 12, 1938. Class 2.
Linden Chemical Co., Inc., Rahway, N. J. Glass, fabric and hand cleaner and tar remover. 362,640; Nov. 22; Serial No. 409,005; published Sept. 13, 1938. Class 4.
Lisk Manufacturing Co. Ltd., Canandaigua, N. Y. Hollow-ware, bath tubs, combinets, and chambers. 362,522; Nov. 22; Serial No. 389,423; published Sept. 13, 1938. Class 13.
Loma Linda Food Company, Loma Linda, Calif. Cereal breakfast food. 362,627; Nov. 22; Serial No. 408,611; published Sept. 13, 1938. Class 46.
Lyons, Gordon V., Inc., New York, N. Y. Women's and misses' coats and suits. 362,611; Nov. 22; Serial No. 408,028; published Sept. 6, 1938. Class 39.
Mallory, P. R., & Co., Inc., Indianapolis, Ind. Electric current rectifiers, electro-plating power supply devices, etc. 362,617; Nov. 22; Serial No. 408,116; published Sept. 13, 1938. Class 21.
McCormick & Co., assignor to McCormick & Co., Incorporated, Baltimore, Md. Salve. 125,152; renewed Apr. 15, 1939.
McCormick & Co., assignor to McCormick & Co., Incorporated, Baltimore, Md. Flavoring extracts. 125,154; renewed Apr. 15, 1939.
McKellips Mutual Citrus Growers, Inc., Mesa, Calif. Fresh citrus fruit. 362,552; Nov. 22; Serial No. 404,575; published Sept. 13, 1938. Class 46.
Milwaukee Lace Paper Company, Milwaukee, Wis. Paper edging for shelves. 362,605; Nov. 22; Serial No. 407,910; published Sept. 13, 1938. Class 37.
Milwaukee Lace Paper Company, Milwaukee, Wis. Shelf paper. 362,606; Nov. 22; Serial No. 407,911; published Sept. 13, 1938. Class 37.
Milwaukee Stamping Co., West Allis, Wis. Shower cabinets. 362,656; Nov. 22. Class 13.
Mineral Mining Corporation, Lancaster, S. C. Ground cerecitic ore. 362,585; Nov. 22; Serial No. 407,601; published Sept. 13, 1938. Class 1.
Monsalvatge & Drane, Miami, Fla. Candy. 362,635; Nov. 22; Serial No. 408,757; published Sept. 13, 1938. Class 46.
Murdock & Pohlman Liquor Company, East St. Louis, Ill. Whiskey. 362,650; Nov. 22. Class 49.
Narragansett Brewing Co., Cranston, to Narragansett Brewing Company, Providence, R. I. Malt beverage. 125,245; renewed Apr. 22, 1939.
North, George O., Minneapolis, Minn. Oil flares. 362,536; Nov. 22; Serial No. 400,991; published Sept. 13, 1938. Class 34.
Old Dominion Box Co., Incorporated, Lynchburg, Va. Paper boxes and folding cartons. 362,565; Nov. 22; Serial No. 407,000; published Aug. 9, 1938. Class 2.
Old Town Ribbon & Carbon Co. Inc., New York, N. Y. Carbon paper. 362,652; Nov. 22. Class 11.
Orchard Paper Co., St. Louis, Mo. Wrapping paper. 362,591; Nov. 22; Serial No. 407,681; published Sept. 13, 1938. Class 37.
Paine, L. Chenault, doing business as Patriot Products, Ltd., Los Angeles, Calif. Dried fruits, nuts, dehydrated vegetables, etc. 362,576; Nov. 22; Serial No. 407,440; published Sept. 13, 1938. Class 46.
Patek & Co., San Francisco, Calif. Chlorinated hydrocarbons. 362,564; Nov. 22; Serial No. 406,939; published Sept. 13, 1938. Class 4.
Patriot Products, Ltd. (See Paine, L. Chenault.)
Patterson-Sargent Company, The, Cleveland, Ohio. Paints, paint enamels, stains, etc. 362,625; Nov. 22; Serial No. 408,506; published Sept. 13, 1938. Class 16.
Phillips, Dr. P., Company, Incorporated, Orlando, Fla. Cattle and poultry foods. 362,646; Nov. 22. Class 46.
Phillips, George L., Newkirk, Okla. Line markers. 362,553; Nov. 22; Serial No. 405,265; published Sept. 13, 1938. Class 50.
Plymouth Citrus Growers Association, Plymouth, Fla. Fresh citrus fruits. 362,533; Nov. 22; Serial No. 398,934; published Sept. 13, 1938. Class 46.
Pure Food Factory "Hansa", Mamaroneck, N. Y. Soups. 362,626; Nov. 22; Serial No. 408,576; published Sept. 13, 1938. Class 46.
Quabaug Rubber Company, North Brookfield, Mass. Rubber soles and heels. 362,620; Nov. 22; Serial No. 408,399; published Sept. 13, 1938. Class 39.
Raylite Trading Co., Inc., New York, N. Y. Electric lamp sockets and Christmas tree lighting outfits. 362,551; Nov. 22; Serial No. 404,449; published Aug. 30, 1938. Class 21.
Realgas, Inc., Wabash, Ind. Gasoline. 362,658; Nov. 22. Class 15.
Register & Grille Manufacturing Co., Inc., New York, N. Y. Registers and grilles. 362,542; Nov. 22; Serial No. 402,651; published Sept. 13, 1938. Class 34.
San Francisco Honey Company. (See Lane, E. F., & Son.)
Sea Board Supply Company, Philadelphia, Pa. Ground soil fertilizers. 362,572; Nov. 22; Serial No. 407,334; published Sept. 20, 1938. Class 10.
Sears, Roebuck and Co., Chicago, Ill. Carpet sweepers. 362,526; Nov. 22; Serial No. 395,884; published Sept. 13, 1938. Class 23.
Sears, Roebuck and Co., Chicago, Ill. Women's shoes. 362,577; Nov. 22; Serial No. 407,443; published Sept. 13, 1938. Class 39.
Sears, Roebuck and Co., Chicago, Ill. Automobile luggage racks. 362,578; Nov. 22; Serial No. 407,444; published Sept. 13, 1938. Class 19.
Selectron Company, Inc., Los Angeles, Calif. Attachment or accessory for vehicles and cooperative stationary electrical apparatus. 362,548; Nov. 22; Serial No. 403,967; published Sept. 13, 1938. Class 21.
Shapiro, Samuel, New York, N. Y. Leather. 362,602; Nov. 22; Serial No. 407,885; published Sept. 13, 1938. Class 1.
Siboney Distilling Corporation, Philadelphia, Pa. Rum. 362,543; Nov. 22; Serial No. 402,830; published Mar. 29, 1938. Class 49.
Siegmann, William H., New York, N. Y. Flavoring extracts and syrups. 362,546; Nov. 22; Serial No. 403,377; published Sept. 13, 1938. Class 46.
Sixteen Millimeter Sound Films, Inc., Boston, Mass. Mechanical devices for developing, drying, and wiping still and motion picture films and prints. 362,633; Nov. 22; Serial No. 408,739; published Sept. 13, 1938. Class 26.
Sixteen Millimeter Sound Films, Inc., Boston, Mass. Film wipers and parts thereof. 362,634; Nov. 22; Serial No. 408,740; published Sept. 13, 1938. Class 26.
Spear Mfg. Co., Kansas City, Mo. Brandy, whiskey, rum, etc. 362,663; Nov. 22. Class 49.
Stevens-Root Company, Chicago, Ill. Pipe fittings and valves. 362,534; Nov. 22; Serial No. 400,536; published Sept. 13, 1938. Class 13.
Sunshine Soda Company, Inc., New York, N. Y. Cleansing powders and compounds having soda as a base. 362,641; Nov. 22; Serial No. 409,115; published Sept. 13, 1938. Class 4.
Sweetnam, George H., Inc., Cambridge, Mass. Padding paper. 362,607; Nov. 22; Serial No. 407,923; published Sept. 13, 1938. Class 37.
Tenenbaum, Aaron, doing business as Aarons Mfg. Co., New York, N. Y. Shirts and shorts. 362,603; Nov. 22; Serial No. 407,888; published Aug. 23, 1938. Class 39.
Triangle Underwear Corp., New York, N. Y. Slips, nightgowns, and chemises. 362,643; Nov. 22. Class 39.
Tustin Hills Citrus Association, Tustin, Calif. Oranges. 125,003; renewed Apr. 1, 1939.
U. S. Industrial Alcohol Co., New York, N. Y. Ethyl alcohol. 125,180; renewed Apr. 15, 1939.
Vab, Ltd., New York, N. Y. Shoe trees. 362,604; Nov. 22; Serial No. 407,891; published Sept. 13, 1938. Class 50.
Van Raalte Company, New York, N. Y. Women's gloves and underwear. 362,579; Nov. 22; Serial No. 407,477; published Sept. 13, 1938. Class 39.
Venus Foundation Garments, Inc., Chicago, Ill. Foundation garments. 362,587; Nov. 22; Serial No. 407,644; published Sept. 13, 1938. Class 39.
Vitrifyx Company, The, Chicago, Ill. Liquid cement preparation. 123,178; renewed Oct. 15, 1938.
Waite, Sheridan C., doing business as Klipper Specialty Company, Buffalo, N. Y. Necktie racks. 362,547; Nov. 22; Serial No. 403,620; published Sept. 13, 1938. Class 13.
Waples Platter Company, Fort Worth, Tex. Canned goods, spices and preserves. 362,524; Nov. 22; Serial No. 393,192; published Sept. 13, 1938. Class 46.
Ward Dry Milk Company, St. Paul, Minn. Dried, sweet cream buttermilk. 362,537; Nov. 22; Serial No. 401,084; published Sept. 13, 1938. Class 46.
Washington, G., Coffee Refining Co., Morris Plains, N. J. Coffee. 362,618–19; Nov. 22; Serial Nos. 408,295–6; published Sept. 13, 1938. Class 46.
Waterbury Clock Company, Waterbury, Conn. Clocks and watches. 362,538; Nov. 22; Serial No. 401,166; published Sept. 13, 1938. Class 27.

Waterman, L. E., Company, New York, N. Y. Fountain pens, mechanical pencils, desk sets, and parts thereof. 362,588; Nov. 22; Serial No. 407,645; published Sept. 13, 1938. Class 37.

Waterlow & Sons Limited, London, England. Paper for bonds, bills, etc.; and bills, notes and checks. 362,586; Nov. 22; Serial No. 407,612; published Sept. 13, 1938. Class 37.

Weber, M. G., doing business as M. Weber Laboratories, Newark, N. J. Vegetable extract. 362,535; Nov. 22; Serial No. 400,814; published Sept. 13, 1938. Class 46.

Webster, H. K., Company, Lawrence, Mass. Stock feed, horse feed, dairy feed, etc. 362,613; Nov. 22; Serial No. 408,079; published Sept. 13, 1938. Class 46.

Wein, Hyman, doing business as Clinton Watch Co., Chicago, Ill. Watches and watch movements. 362,653; Nov. 22. Class 27.

West Coast Plywood Company, Aberdeen, Wash. Concrete form panels. 362,647; Nov. 22. Class 12.

Western States Grocery Company, Reno, Nev., and Oakland, Calif. Evaporated milk. 362,637; Nov. 22; Serial No. 408,818; published Sept. 13, 1938. Class 46.

Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Patterns. 362,560; Nov. 22; Serial No. 406,616; published Sept. 13, 1938. Class 50.

Westmoreland, Earl L., Chicago, Ill. Talismen. 362,589; Nov. 22; Serial No. 407,646; published Sept. 13, 1938. Class 50.

White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa. Chemicals, medicines, and pharmaceutical preparations. 123,678; renewed Nov. 19, 1938.

Wilson & Co., Inc., Chicago, Ill. Cooked hams, liver loaf, meat loaf, etc. 362,632; Nov. 22; Serial No. 408,734; published Sept. 13, 1938. Class 46.

LIST OF REGISTRANTS OF LABELS

Awful Fresh MacFarlane, Oakland, San Francisco, and Berkeley, Calif. The House of a Million Nuts, MacFarlane Candy is Gooder, The Scotch Candymaker. For Candy, Chocolate and Nuts. 52,122; Nov. 22.

Beso Wine Company, Ltd., Piraeus and Patras, Greece. Mavrodaphene. For Mavrodaphene Wine Imported from Greece. 52,123; Nov. 22.

Bulova Watch Company, Inc., New York, N. Y. Bulova The Watch of Tomorrow. For Watches. 52,124; Nov. 22.

Colonial Works, Brooklyn, N. Y. Colonial One Coat Enamel. For Enamel. 52,125; Nov. 22.

Clark-Millner Co., Chicago, Ill. Twin Sisters Hair-Do Lacquer. For a Lacquer for the Hair. 52,126; Nov. 22.

Darlington, George W., doing business as Nu-Stile Products, San Pedro, Calif. Dar Lin Ton Nu-Stile Products. For a Preparation for Imparting a Lasting Luster to Almost Any Smooth Finished Surface, Such as Furniture, Floors, Automobiles, etc. 52,127; Nov. 22.

Eastside Distributing Co. (See Los Angeles Brewing Co.)

Gotham Tissue Corporation, New York, N. Y. Séda Kitchen Towels—The Better Towel—Hygienic—Soft—For General Household Use—Fits All Standard Fixtures. For Paper Towels. 52,128; Nov. 22.

Gotham Tissue Corporation, New York, N. Y. Séda—Means Silk—Absorbent Pure White—Hygienic—Soft—Toilet Tissue. For Toilet Tissues. 52,129; Nov. 22.

Gotham Tissue Corporation, New York, N. Y. Gotham Toilet Tissue—Sanitary Wrapped—Soft—Absorbent—Pure. For Toilet Tissues. 52,130; Nov. 22.

Heller, B., & Company, Chicago, Ill. $1000.00. Guaranteed Ant-Bane. For a Powder for Killing Ants. 52,131; Nov. 22.

Heller, B., & Company, Chicago, Ill. $1000.00 Guaranteed Roach Killer. For a Powder for Killing Roaches. 52,132; Nov. 22.

Illinois Baking Corporation, Chicago, Ill. Safe-T Cones. For Ice Cream Cones. 52,133; Nov. 22.

Korinek, Charles J., doing business as Korinek Laboratories, San Francisco, Calif. Sunshine Bag Balm. For a Balm to be Applied to a Cow's Bag and Teats When Rough and Chapped. 52,134; Nov. 22.

La Brea Securities Co., doing business as Rosemary Packing Company, Santa Maria, Calif. Rosequeen. For Fresh Vegetables. 52,135; Nov. 22.

Laucks, I. F., Incorporated, Portsmouth, Va. The Old Original Southern Soy. For Soya Bean Flour. 52,136; Nov. 22.

Loeb, H. A., & Co., Chicago, Ill. Fairy Touch Human Hair Nets. For Hair Nets. 52,137; Nov. 22.

Loeb, H. A., & Co., Chicago, Ill. Lady Anne Human Hair Nets. For Hair Nets. 52,138; Nov. 22.

Loeb, H. A., & Co., Chicago, Ill. Lady Newberry Human Hair Nets. For Hair Nets. 52,139; Nov. 22.

Loeb, H. A., & Co., Chicago, Ill. Miss America Silk Water-Wave Net. For Hair Nets. 52,140; Nov. 22.

Los Angeles Brewing Co., doing business as Eastside Distributing Co., Los Angeles, San Bernardino, and San Diego, Calif. Eastside Root Beer. For Root Beer. 52,141; Nov. 22.

Maier Brewing Co., Los Angeles, Calif. Who Buys the Drinks? Best Ale in Town! For Ale. 52,142; Nov. 22.

Maier Brewing Co., Los Angeles, Calif. Who Buys the Drinks? Best Beer in Town! 72. For Beer. 52,143; Nov. 22.

Maxwell-Davis, Inc., Hartford, Conn. Dated Laundered Shirt. For Shirts. 52,144; Nov. 22.

McDonald, William B., San Francisco, Calif. Souvenir Piece of Bridge Cable. For Souvenir Pieces of Cable. 52,145; Nov. 22.

New Foods, Inc., Chicago, Ill. Crispy-Crunchy Corn Bubbles. For Puffed Corn Impregnated with a Cheese Compound. 52,146; Nov. 22.

New York State Egg and Poultry Products Co-operative, Inc., Baldwinsville, N. Y. Onco Eggs. For Eggs. 52,147; Nov. 22.

New York Zoological Society, New York, N. Y. Pandora. For Dolls. 52,148; Nov. 22.

Nu-Stile Products. (See Darlington, George W.)

Ostroff, Irving, doing business as Squarex Advertising Company, New York, N. Y. Edward Ruskin. For Flat White Paint. 52,149; Nov. 22.

Park, Peter J., Rushville, Ill. The Fly-Ag'in. For Dead Duck Decoy Flying Harness. 52,150. Nov. 22.

Penny, James I., doing business as Quick Products Company, Lubbock, Tex. "Quick" Leslime. For a Solution Prepared to Retard the Formation of Scale and Prevent Formation of Rust in the Radiator and Block of Automotive Cooling Systems. 52,151; Nov. 22.

Pinnas, Arthur, Newark, N. J. Mir-A-Kal. For a Cleaner. 52,152; Nov. 22.

Quick Products Company. (See Penny, James I.)

Rosemary Packing Company. (See La Brea Securities Co.)

Schoenling Brewing Company, The, Cincinnati, Ohio. Top-Hat. For Beer. 52,153; Nov. 22.

Squarex Advertising Company. (See Ostroff, Irving.)

Texas Wine and Liquor Co., Inc., Fort Worth, Tex. A Taste of the Good Old Days. For Kentucky Straight Bourbon Whiskey. 52,154; Nov. 22.

LIST OF REGISTRANTS OF PRINTS

Clarkson Chemical Company, Inc., S. Williamsport, Pa. Kill the Moth and You Save the Cloth. For an Insecticide. 17,130; Nov. 22.

General Mills, Inc., Minneapolis, Minn. Hit the Line With a Breakfast of Champions. For Cereal Food. 17,131; Nov. 22.

Hills Bros., San Francisco, Calif. Now, That's What I Call Good Coffee—Adform 195. For Coffee. 17,132; Nov. 22.

Pruden Chemical Company, Orlando, Fla. Okydoky For a Chemical Compound. 17,133; Nov. 22.

Schautz, William S., Advertising Agency, The, Scranton, Pa. Now! Costlier Flour. For Bread. 17,134; Nov. 22.

Vita Seltzer Co., San Francisco, Calif. Vita Seltzer. For an Alkalizer for Upset Stomach and Headaches, a Preventitive for Safety Before Indulging and a Corrective for Rebalancing the System. 17,135; Nov. 22.

Wayne Knitting Mills, Fort Wayne, Ind. Sun-Dye Exclusives. For Stockings. 17,136; Nov. 22.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Leather. S. Shapiro. 362,602; Nov. 22; Serial No. 407,885; published Sept. 13, 1938.

Ore, Ground cerecitic. Mineral Mining Corporation. 362,585; Nov. 22; Serial No. 407,601; published Sept. 13, 1938.

Rubber and rubber-like material, Synthetic. I. G. Farbenindustrie Aktiengesellschaft. 362,562; Nov. 22; Serial No. 406,717; published Sept. 13, 1938.

Seeds, Planting. Capital Fuel, Feed and Seed Company. 362,568; Nov. 22; Serial No. 407,130; published Sept. 13, 1938.

CLASS 2

Bags, Paper. American Tissue Mills. 362,648; Nov. 22.

Bags, Paper. Crown Zellerbach Corporation. 362,594; Nov. 22; Serial No. 407,721; published Sept. 6, 1938.

Boxes and folding cartons, Paper. Old Dominion Box Co. 362,565; Nov. 22; Serial No. 407,000; published Aug. 9, 1938.

Cartons and pails, Fiberboard. Fibreboard Products Inc. 362,598; Nov. 22; Serial No. 407,730; published Sept. 6, 1938.

Cartons, Paper. Limpert Bros. Inc. 362,555; Nov. 22; Serial No. 406,024; published July 12, 1938.

Cases, Spectacle. Bausch & Lomb Optical Company. 362,609; Nov. 22; Serial No. 407,971; published Sept. 13, 1938.

Containers for liquids and gas. Chicago Bridge & Iron Works. 362,583; Nov. 22; Serial No. 407,534; published Sept. 13, 1938.

Containers, Merchandise. Ivers-Lee Company. 362,523; Nov. 22; Serial No. 389,991; published Aug. 30, 1938.

CLASS 3

Portfolios and loose leaf binder equipped portfolios. Burkhardt Company. 362,623; Nov. 22; Serial No. 408,453; published Sept. 20, 1938.

Suitcases, grips, and hand-bags. J. W. Eichenbusch Co. Inc. 125,211; renewed Apr. 22, 1939.

CLASS 4

Cleaner and tar remover, Glass, fabric, and hand. Linden Chemical Co. 362,640; Nov. 22; Serial No. 409,005; published Sept. 13, 1938.

Cleaner, metal polish, etc., Fabric and dry. Bell Company. 362,616; Nov. 22; Serial No. 408,088; published Sept. 13, 1938.

Cleansing powders and compounds having soda as a base. Sunshine Soda Company. 362,641; Nov. 22; Serial No. 409,115; published Sept. 13, 1938.

Hydrocarbons, Chlorinated. Patek & Co. 362,564; Nov. 22; Serial No. 406,939; published Sept. 13, 1938.

Shaving cream and shaving soap bowl, Brushless shaving and later. Brunswig Drug Co. 362,622; Nov. 22; Serial No. 408,451; published Sept. 13, 1938.

CLASS 5

Combinations of dry starches, dextrines, or gums, for pasting purposes. Corn Products Refining Company. 362,638; Nov. 22; Serial No. 408,833; published Sept. 20, 1938.

CLASS 6

Alcohol, Ethyl. U. S. Industrial Alcohol Co. 125,180; renewed Apr. 15, 1939.

Chemical preparation for removing stains from granite. W. M. Adrian. 123,312; renewed Oct. 29, 1938.

Chemicals, medicines, and pharmaceutical preparations. S. S. White Dental Manufacturing Company. 123,678; renewed Nov. 19, 1938.

Gases, Compressed. Air Reduction Company. 125,118; renewed Apr. 15, 1939.

Insect-exterminator and disinfectant. H. Deitchman. 125,204; renewed Apr. 22, 1939.

Salve. McCormick & Co. 125,152; renewed Apr. 15, 1939.

CLASS 7

Twine, sisal wrapping twines, Manila ropes, etc., Java. Lee Edwards Corporation. 362,581; Nov. 22; Serial No. 407,492; published Sept. 13, 1938.

CLASS 10

Chemical preparation for use as a fertilizer in water tank farming. Chemi-Grow Ltd. 362,541; Nov. 22; Serial No. 402,555; published Sept. 20, 1938.

Fertilizer, Ground soil. Sea Board Supply Company. 362,572; Nov. 22; Serial No. 407,334; published Sept. 20, 1938.

CLASS 11

Carbon paper. Old Town Ribon & Carbon Co. Inc. 362,652; Nov. 22.

CLASS 12

Cement preparation, Liquid. Vitrifyx Company. 123,178; renewed Oct. 15, 1938.

Panels, Concrete form. West Coast Plywood Company. 362,647; Nov. 22.

Trim for door openings, window openings, etc. Curtis Companies Incorporated. 362,657; Nov. 22.

CLASS 13

Enameled ware. Columbian Enameling & Stamping Company. 125,033–4; renewed Apr. 8, 1939.

Holders, Dispensing fruit wrap. Getts Manufacturing Company. 362,659; Nov. 22.

Hollow-ware, bath tubs, combinets, and chambers. Lisk Manufacturing Co. Ltd. 362,522; Nov. 22; Serial No. 389,423; published Sept. 13, 1938.

Pipe fittings and valves. Stevens-Root Company. 362,534; Nov. 22; Serial No. 400,536; published Sept. 13, 1938.

Racks, Necktie. S. C. Waite. 362,547; Nov. 22; Serial No. 403,620; published Sept. 13, 1938.

Shower cabinets. Milwaukee Stamping Co. 362,656; Nov. 22.

CLASS 15

Gasoline. Realgas, Inc. 362,658; Nov. 22.

CLASS 16

Paints. Cook Paint & Varnish Company. 362,530; Nov. 22; Serial No. 396,734; published Sept. 13, 1938.

Paints and painters' materials. Certain-Teed Products Corporation. 123,101; renewed Oct. 15, 1938.

Paints, paint enamels, stains, etc. Patterson-Sargent Company. 362,625; Nov. 22; Serial No. 408,506; published Sept. 13, 1938.

Shellac, paint and varnish remover, wax polish, etc., Glass. Bell Company. 362,615; Nov. 22; Serial No. 408,086; published Sept. 13, 1938.

CLASS 17

Tobacco and cigarettes, Smoking. Larus & Brother Company. 362,601; Nov. 22; Serial No. 407,810; published Sept. 13, 1938.

Tobacco and cigarettes, Smoking. Larus & Brother Company. 362,614; Nov. 22; Serial No. 408,110; published Sept. 13, 1938.

CLASS 19

Airplanes and structural parts thereof. Douglas Aircraft Company. 362,528; Nov. 22; Serial No. 396,261; published Sept. 13, 1938.

Airplanes and structural parts thereof. Douglas Aircraft Company. 362,529; Nov. 22; Serial No. 396,263; published Sept. 13, 1938.

Racks, Automobile luggage. Sears, Roebuck and Co. 362,578; Nov. 22; Serial No. 407,444; published Sept. 13, 1938.

Sills for refrigerator car doors and the like. American Brake Shoe and Foundry Company. 362,527; Nov. 22; Serial No. 395,891; published Sept. 13, 1938.

CLASS 21

Attachment or accessory for vehicles and cooperative stationary electrical apparatus. Selectron Company. 362,548; Nov. 22; Serial No. 403,967; published Sept. 13, 1938.

Batteries and flashlight casings, Dry cell. Bright Star Battery Company. 362,599; Nov. 22; Serial No. 407,790; published Sept. 13, 1938.

Radio receiving sets. Allied Stores Corporation. 362,532; Nov. 22; Serial No. 398,079; published Sept. 13, 1938.

Radio receiving sets, chassis for radio receivers, and parts thereof. Browning Laboratories, Inc. 362,549; Nov. 22; Serial No. 404,203; published Sept. 13, 1938.

Rectifiers, electroplating power supply device, etc., Electric current. P. R. Mallory & Co., Inc. 362,617; Nov. 22; Serial No. 408,116; published Sept. 13, 1938.

Sockets and Christmas tree lighting outfits, Electric lamp. Raylite Trading Co. 362,551; Nov. 22; Serial No. 404,449; published Aug. 30, 1938.

Telephone systems, Interior. Dictograph Products Company. 362,628; Nov. 22; Serial No. 408,694; published Sept. 13, 1938.

CLASS 23

Mufflers. AP Parts Corporation. 362,531; Nov. 22; Serial No. 397,892; published Nov. 30, 1937.

Road building machinery. Iowa Manufacturing Company. 362,571; Nov. 22; Serial No. 407,268; published Sept. 13, 1938.

Saw blades, Jewelers'. M. J. Lampert & Sons, Inc. 362,624; Nov. 22; Serial No. 408,503; published Sept. 13, 1938.

Sweepers, Carpet. Sears, Roebuck and Co. 362,526; Nov. 22; Serial No. 395,884; published Sept. 13, 1938.

CLASS 26

Film and sensitized photographic paper, Light sensitive. International Radio Corporation. 362,567; Nov. 22; Serial No. 407,079; published Sept. 13, 1938.

Film wipers and parts thereof. Sixteen Millimeter Sound Films, Inc. 362,634; Nov. 22; Serial No. 408,740; published Sept. 13, 1938.
Lenses. B. Dollinger. 362,558; Nov. 22; Serial No. 406,484; published Sept. 13, 1938.
Lenses, Photographic. Eastman Kodak Company. 362,629; Nov. 22; Serial No. 408,695; published Sept. 13, 1938.
Mechanical devices for developing, drying, and wiping still and motion picture films and prints. Sixteen Millimeter Sound Films, Inc. 362,633; Nov. 22; Serial No. 408,739; published Sept. 13, 1938.

CLASS 27

Clocks and watches. Waterbury Clock Company. 362,538; Nov. 22; Serial No. 401,166; published Sept. 13, 1938.
Watches and watch movements. H. Wein. 362,653; Nov. 22.

CLASS 29

Mops and oil mops, Dry. Cardinal Laboratories, Inc. 362,573; Nov. 22; Serial No. 407,358; published Sept. 13, 1938.
Mops, dusters, dust cloths, etc. Cardinal Laboratories, Inc. 362,574; Nov. 22; Serial No. 407,359; published Sept. 13, 1938.

CLASS 34

Flares, Oil. G. O. North. 362,536; Nov. 22; Serial No. 400,991; published Sept. 13, 1938.
Registers and grilles. Register & Grille Manufacturing Co. 362,542; Nov. 22; Serial No. 402,651; published Sept. 13, 1938.

CLASS 35

Frictional elements, fan belts, radiator hose, etc. American Brake Shoe and Foundry Company. 362,651; Nov. 22.

CLASS 37

Edging for shelves, Paper. Milwaukee Lace Paper Company. 362,605; Nov. 22; Serial No. 407,910; published Sept. 13, 1938.
Paper for bonds, bills, etc.; and bills, notes, and checks. Waterlow & Sons Limited. 362,586; Nov. 22; Serial No. 407,612; published Sept. 13, 1938.
Paper, Padding. George H. Sweetnam, Inc. 362,607; Nov. 22; Serial No. 407,923; published Sept. 13, 1938.
Paper, Shelf. Milwaukee Lace Paper Company. 362,606; Nov. 22; Serial No. 407,911; published Sept. 13, 1938.
Paper, Tissue. Crown Zellerbach Corporation. 362,592; Nov. 22; Serial No. 407,717; published Sept. 13, 1938.
Paper, Tissue. Crown Zellerbach Corporation. 362,596; Nov. 22; Serial No. 407,723; published Sept. 13, 1938.
Paper, Wrapping. Crown Zellerbach Corporation. 362,593; Nov. 22; Serial No. 407,719; published Sept. 13, 1938.
Paper, Wrapping. Crown Zellerbach Corporation. 362,595; Nov. 22; Serial No. 407,722; published Sept. 13, 1938.
Paper, Wrapping. Crown Zellerbach Corporation. 362,597; Nov. 22; Serial No. 407,724; published Sept. 13, 1938.
Paper, Wrapping. Orchard Paper Co. 362,591; Nov. 22; Serial No. 407,681; published Sept. 13, 1938.
Paper, Writing. Brightwater Paper Company. 362,661–2; Nov. 22.
Pencils, crayons, chalk, etc. Bleistift-Fabrik vorm. Johann Faber A. G. 362,561; Nov. 22; Serial No. 406,674; published Sept. 13, 1938.
Pens, mechanical pencils, desk sets, and parts thereof, Fountain. L. E. Waterman Company. 362,588; Nov. 22; Serial No. 407,645; published Sept. 13, 1938.
Pens, mechanical pencils, pencil lead containers, etc., Fountain. David Kahn, Inc. 362,642; Nov. 22; Serial No. 408,246; published Sept. 20, 1938.
Stencils and stencil papers. A. B. Dick Company. 362,559; Nov. 22; Serial No. 406,582; published Sept. 13, 1938.
Tissue, Bending and splicing. Consolidated Paper Corporation Limited. 362,563; Nov. 22; Serial No. 406,856; published Sept. 13, 1938.

CLASS 39

Apparel, Men's and boys' wearing. Theodore Kotzin Co. Ltd. 362,557; Nov. 22; Serial No. 406,453; published Sept. 6, 1938.
Apparel, Wearing. Theodore Kotzin Co. Ltd. 362,556; Nov. 22; Serial No. 406,452; published Sept. 13, 1938.
Boots, shoes, and slippers. General Shoe Corporation. 362,610; Nov. 22; Serial No. 407,979; published Sept. 13, 1938.
Coats and suits, Women's and misses'. Gordon V. Lyons, Inc. 362,611; Nov. 22; Serial No. 408,028; published Sept. 6, 1938.
Coats, dresses, and hats. Chicago Mail Order Company. 362,600; Nov. 22; Serial No. 407,797; published Sept. 13, 1938.
Coats, fur capes, fur muffs, etc., Fur. Goldbein Furs, Inc. 362,612; Nov. 22; Serial No. 408,056; published Sept. 13, 1938.
Corsets, girdles, and combination corsets and brassières. H. W. Gossard Co. 362,540; Nov. 22; Serial No. 401,778; published Sept. 13, 1938.
Garments, Foundation. Venus Foundation Garments, Inc. 362,587; Nov. 22; Serial No. 407,644; published Sept. 13, 1938.
Girdles, corselets, brassières, etc. Latex Foundations, Inc. 362,554; Nov. 22; Serial No. 405,396; published Aug. 2, 1938.
Gloves and underwear, Women's. Van Raalte Company. 362,579; Nov. 22; Serial No. 407,477; published Sept. 13, 1938.
Neckties, mufflers, and handkerchiefs. H. C. Cohn & Co. 362,590; Nov. 22; Serial No. 407,659; published Sept. 13, 1938.
Shirts and shorts. A. Tenenbaum. 362,603; Nov. 22; Serial No. 407,888; published Aug. 23, 1938.
Shoes(Women's. Sears, Roebuck and Co. 362,577; Nov. 22; Serial No. 407,443; published Sept. 13, 1938.
Slips, nightgowns, and chemises. Triangle Underwear Corp. 362,643; Nov. 22.
Soles and heels, Rubber. Quabaug Rubber Company. 362,620; Nov. 22; Serial No. 408,399; published Sept. 13, 1938.

CLASS 40

Bracelet for holding pins or similar articles, Magnetic. Beyer, Inc. 362,580; Nov. 22; Serial No. 407,486; published Sept. 13, 1938.
Shoelaces, braided non-elastic, narrow braided elastic. Atlas Braid Co. 362,566; Nov. 22; Serial No. 407,003; published Sept. 13, 1938.

CLASS 42

Blankets, Bed. F. C. Huyck & Sons. 362,550; Nov. 22; Serial No. 404,363; published Sept. 13, 1938.
Cotton piece goods. Fabritex Co. Inc. 124,963; renewed Apr. 1, 1939.

CLASS 43

Thread and yarn. Commerciale Italiana Società Anonima per il Rayon Cisa-Rayon. 362,544–5; Nov. 22; Serial Nos. 402,848–9; published Aug. 30, 1938.

CLASS 44

Arch supports and arch supporters. Foot Controller, Inc. 362,570; Nov. 22; Serial No. 407,184; published Sept. 13, 1938.
Supporters, abdominal belts, etc., Athletic. Kendall Company. 362,644; Nov. 22.
X-ray apparatus. J. Kieffer. 362,539; Nov. 22; Serial No. 401,388; published Sept. 13, 1938.

CLASS 45

Beverages, and syrups and extracts used in making same. Flavorex, Incorporated. 362,655; Nov. 22.
Flavoring extracts. McCormick & Co. 125,154; renewed Apr. 15, 1938.

CLASS 46

Buttermilk, Dried, sweet cream. Ward Dry Milk Company. 362,537; Nov. 22; Serial No. 401,084; published Sept. 13, 1938.
Candy. Fred W. Amend Co. 362,636; Nov. 22; Serial No. 408,775; published Sept. 13, 1938.
Candy. Huyler's. 362,639; Nov. 22; Serial No. 408,950; published Sept. 13, 1938.
Candy. Monsalvatge & Drane. 362,635; Nov. 22; Serial No. 408,757; published Sept. 13, 1938.
Candles, Package. Jacobs Candy Company Ltd. 123,247; renewed Oct. 22, 1938.
Canned fruits, canned vegetables, canned fish, etc. Griffith-Durney Company. 362,569; Nov. 22; Serial No. 407,140; published Sept. 13, 1938.
Canned goods, spices and preserves. Waples Platter Company. 362,524; Nov. 22; Serial No. 393,192; published Sept. 13, 1938.
Cocoa mix, Dry. Beverages of America, Inc. 362,582; Nov. 22; Serial No. 407,519; published Sept. 13, 1938.
Coffee. G. Washington Coffee Refining Co. 362,618–19; Nov. 22; Serial Nos. 408,295–6; published Sept. 13, 1938.
Extract, Vegetable. M. G. Weber. 362,535; Nov. 22; Serial No. 400,814; published Sept. 13, 1938.
Extracts and syrups, Flavoring. W. H. Siegmann. 362,546; Nov. 22; Serial No. 403,377; published Sept. 13, 1938.
Feed, horse feed, dairy feed, etc., Stock. H. K. Webster Company. 362,613; Nov. 22; Serial No. 408,079; published Sept. 13, 1938.
Flour. H. V. Kell Company. 362,630; Nov. 22; Serial No. 408,717; published Sept. 13, 1938.
Flour, Wheat. La Grange Mills. 124,461; renewed Feb. 18, 1939.
Food, Cereal breakfast. Loma Linda Food Company. 362,627; Nov. 22; Serial No. 408,611; published Sept. 13, 1938.
Food, Dog and cat. Leeds Sales, Inc. 362,631; Nov. 22; Serial No. 408,721; published Sept. 13, 1938.
Food for dogs and puppies. Derwood Mill. 362,621; Nov. 22; Serial No. 408,408; published Sept. 13, 1938.
Foods. Acme-Evans Company. 123,525; renewed Nov. 19, 1938.
Foods. Jacob Forst Packing Co. Inc. 362,649; Nov. 22.
Foods, Cattle and poultry. Dr. P. Phillips Company. 362,646; Nov. 22.
Fruit, Fresh citrus. McKellips Mutual Citrus Growers, Inc. 362,552; Nov. 22; Serial No. 404,575; published Sept. 13, 1938.

Fruits, Fresh citrus. Plymouth Citrus Growers Association. 362,533; Nov. 22; Serial No. 398,934; published Sept. 13, 1938.
Fruits, nuts, dehydrated vegetables, etc., Dried. L. C. Paine. 362,576; Nov. 22; Serial No. 407,440; published Sept. 13, 1938.
Hams, liver loaf, meat loaf, etc., Cooked. Wilson & Co. 362,632; Nov. 22; Serial No. 408,734; published Sept. 13, 1938.
Milk, Evaporated. Western States Grocery Company. 362,637; Nov. 22; Serial No. 408,818; published Sept. 13, 1938.
Milk, soups, clam-chowder, etc. Childs Company. 123,203; renewed Oct. 22, 1938.
Oranges. Tustin Hills Citrus Association. 125,003; renewed Apr. 1, 1939.
Peanut butter and honey. E. F. Lane & Son. 362,654; Nov. 22.
Potato chips, fried popcorn, etc. Kitty Clover Potato Chip Company. 362,575; Nov. 22; Serial No. 407,436; published Sept. 13, 1938.
Sandwich spreads, Assorted. Francis H. Leggett & Company. 362,525; Nov. 22; Serial No. 394,463; published Sept. 13, 1938.
Soups. Pure Food Factory "Hansa". 362,626; Nov. 22; Serial No. 408,576; published Sept. 13, 1938.

CLASS 48

Malt beverage. Narragansett Brewing Co. 125,245; renewed Apr. 22, 1939.

CLASS 49

Brandy, whiskey, rum, etc. Speas Mfg. Co. 362,663; Nov. 22.
Rum. Siboney Distilling Corporation. 362,543; Nov. 22; Serial No. 402,830; published Mar. 29, 1938.
Whiskey. Murdock & Pohlman Liquor Company. 362,650; Nov. 22.
Whiskey, straight bourbon whiskey, etc., Straight rye. American Distilling Company. 362,660; Nov. 22.
Whiskies, gins, and alcoholic cordials. Kraus Bros. & Co. 362,664; Nov. 22.

CLASS 50

Closures, Bottle. Cowdrey Products Company Inc. 362,645; Nov. 22.
Markers, Line. G. L. Phillips. 362,553; Nov. 22; Serial No. 405,265; published Sept. 13, 1938.
Patterns. Westinghouse Electric & Manufacturing Company. 362,560; Nov. 22; Serial No. 406,616; published Sept. 13, 1938.
Rubber coated fabrics. E. I. du Pont de Nemours and Company. 362,584; Nov. 22; Serial No. 407,576; published Sept. 13, 1938.
Shoe trees. Vab. Ltd. 362,604; Nov. 22; Serial No. 407,891; published Sept. 13, 1938.
Talismen. E. L. Westmoreland. 362,589; Nov. 22; Serial No. 407,646; published Sept. 13, 1938.
Traps, Animal. A. W. Drake Companies. 362,608; Nov. 22; Serial No. 407,945; published Sept. 13, 1938.

LIST OF LABELS

A Taste of the Good Old Days. For Kentucky Straight Bourbon Whiskey. Texas Wine and Liquor Co. 52,154; Nov. 22.
Bulova The Watch of Tomorrow. For Watches. Bulova Watch Company. 52,124; Nov. 22.
Colonial One Coat Enamel. For Enamel. Colonial Works. 52,125; Nov. 22.
Crispy-Crunchy Corn Bubbles. For Puffed Corn Impregnated With a Cheese Compound. New Foods, Inc. 52,146; Nov. 22.
Dar Lin Ton Nu-Stile Products. For a Preparation for Imparting a Lasting Lustre to Almost Any Smooth Finished Surface, such as Furniture, Floors, Automobiles, etc. G. W. Darlinton. 52,127; Nov. 22.
Dated Laundered Shirt. For Laundered Shirt. Maxwell-Davis, Inc. 52,144; Nov. 22.
Eastside Root Beer. For Root Beer. Los Angeles Brewing Co. 52,141; Nov. 22.
Edward Ruskin. For Flat White Paint. I. Ostroff. 52,149; Nov. 22.
Fairy Touch Human Hair Nets. For Hair Nets. H. A. Loeb & Co. 52,137; Nov. 22.
Gotham Toilet Tissue—Sanitary Wrapped—Soft—Absorbent—Pure. For Toilet Tissues. Gotham Tissue Corporation. 52,130; Nov. 22.
Lady Anne Human Hair Nets. For Hair Nets. H. A. Loeb & Co. 52,138; Nov. 22.
Lady Newberry Human Hair Nets. For Hair Nets. H. A. Loeb & Co. 52,139; Nov. 22.
Mavrodaphene. For Mavrodaphene Wine Imported From Greece. Beso Wine Company. 52,123; Nov. 22.
Mir-A-Kal. For a Cleaner. A. Pinnas. 52,152; Nov. 22.
Miss America Silk Water-Wave Net. For Hair Nets. H. A. Loeb & Co. 52,140; Nov. 22.
Onco Eggs. For Eggs. New York State Eggs and Poultry Producers Co-operative, Inc. 52,147; Nov. 22.
$1000.00 Guaranteed Ant-Bane. For a Powder for Killing Ants. B. Heller & Company. 52,131; Nov. 22.
$1000.00 Guaranteed Roach Killer. For a Powder for Killing Roaches. B. Heller & Company. 52,132; Nov. 22.
Pandora. For Dolls. New York Zoological Society. 52,148; Nov. 22.
"Quick" Leslime. For a Solution Prepared to Retard the Formation of Scale and Prevent Formation of Rust in the Radiator and Block of Automotive Cooling Systems. J. I. Penny. 52,151; Nov. 22.
Rosequeen. For Fresh Vegetables. La Brea Securities Co. 52,135; Nov. 22.
Safe-T Cones. For Ice Cream Cones. Illinois Baking Corporation. 52,133; Nov. 22.
Séda Kitchen Towels—The Better Towel—Hygienic—Soft—For General Household Use—Fits All Standard Fixtures. For Paper Towels. Gotham Tissue Corporation. 52,128; Nov. 22.
Séda—Means Silk—Absorbent Pure White—Hygienic—Soft—Toilet Tissue. For Toilet Tissues. Gotham Tissue Corporation. 52,129; Nov. 22.
Souvenir Piece of Bridge Cable. For Souvenir Pieces of Cable. W. B. McDonald. 52,145; Nov. 22.
Sunshine Bag Balm. For a Balm to be Applied to a Cow's Bag and Teats When Rough and Chapped. C. J. Korinek. 52,134; Nov. 22.
The Fly-Ag'in. For Dead Duck Decoy Flying Harness. P. J. Park. 52,150; Nov. 22.
The House of a Million Nuts, MacFarlane Candy is Gooder, The Scotch Candymaker. For Candy, Chocolate and Nuts. Awful Fresh MacFarlane. 52,122; Nov. 22.
The Old Original Southern Soy. For Soya Bean Flour. I. F. Laucks, Incorporated. 52,136; Nov. 22.
Top-Hat. For Beer. Schoenling Brewing Company. 52,153; Nov. 22.
Twin Sisters Hair-Do Lacquer. For a Lacquer for the Hair. Clark-Milliner Co. 52,126; Nov. 22.
Who Buys the Drinks? Best Ale in Town! For Ale. Maier Brewing Co. 52,142; Nov. 22.
Who Buys the Drinks? Best Beer in Town 72. For Beer. Maier Brewing Co. 52,143; Nov. 22.

LIST OF PRINTS

Hit the Line With a Breakfast of Champions. For Cereal Food. General Mills, Inc. 17,131; Nov. 22.
Kill the Moth and You Save the Cloth. For an Insecticide. Clarkson Chemical Company. 17,130; Nov. 22.
Now! Costlier Flour. For Bread. William S. Schautz Advertising Agency. 17,134; Nov. 22.
Now, That's What I Call Good Coffee—Adform 195. For Coffee. Hills Bros. 17,132; Nov. 22.
Okydoky. For a Chemical Compound. Pruden Chemical Company. 17,133; Nov. 22.
Sun-Dye Exclusives. For Stockings. Wayne Knitting Mills. 17,136; Nov. 22.
Vita Seltzer. For an Alkalizer for Upset Stomach and Headaches, a Preventitive for Safety Before Indulging and a Corrective for Rebalancing the System. Vita Seltzer Co. 17,135; Nov. 22.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 22D DAY OF NOVEMBER, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bailey Meter Company. (See Ryder, John D., assignor.)
California Prune & Apricot Growers Association. (See Love, Carl F., assignor.)
Edison General Electric Appliance Company. (See Rees, Gregory L., assignor.)
Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Antenna. Re. 20,922; Nov. 22.
Love, Carl F., assignor to California Prune & Apricot Growers Association, San Jose, Calif. Treating figs. Re. 20,923; Nov. 22.
Nickle, Burr, Butler, Pa. Protective mat for cooking appliances. Re. 20,924; Nov. 22.
Radio Corporation of America. (See Lindenblad, Nils E., assignor.)
Rees, Gregory L., La Grange, assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill. Leg support. Re. 20,925; Nov. 22.
Ryder, John D., South Euclid, Ohio, assignor to Bailey Meter Company. Measuring and controling apparatus. Re. 20, 927; Nov. 22.
Trojan Powder Company. (See Wyler, Joseph A., assignor.)
Wyler, Joseph A., Allentown, Pa., assignor to Trojan Powder Company. Purification of trinitrotoluene. Re. 20,926; Nov. 22.

LIST OF DESIGN PATENTEES

Alexander Textile Corporation. (See Umansky, Jacob, assignor.)
American Brass Company, The. (See Davis, Albert L., assignor.)
American Chair Company. (See Baum, Albert J., assignor.)
Anderson, John W., assignor to Productive Inventions, Inc., Gary, Ind. Rear view mirror and mounting therefor. 112,268; Nov. 22.
Antenberg, Samuel, Brooklyn, N. Y. Hat ornament or similar article. 112,326; Nov. 22.
Automatic Products Company. (See Barnes, J. F., and Reinecke, and Johnson, assignors.)
Barnes, James F., and J. O. Reinecke, Chicago, Ill., and R. W. Johnson, assignors to Automatic Products Company, Milwaukee, Wis. Room thermostat. 112,269; Nov. 22.
Baum, Albert J., assignor to American Chair Company, Sheboygan, Wis. Chair. 112,270; Nov. 22.
Beluche, Fernand E., Williamsville, and W. F. Brace, Buffalo, N. Y. Garment drying apparatus. 112,243; Nov. 22.
Berland, Joseph, New York, N. Y. Ring mounting or similar article. 112,271; Nov. 22.
Blunt, Royden A., Baltimore, Md. Bottle. 112,272; Nov. 22.
Blunt, Royden A., Baltimore, Md. Bottle. 112,273; Nov. 22.
Blunt, Royden A., Baltimore, Md. Bottle. 112,274; Nov. 22.
Blunt, Royden A., Baltimore, Md. Bottle. 112,275; Nov. 22.
Blunt, Royden A., Baltimore, Md. Bottle. 112,276; Nov. 22.
Blunt, Royden A., Baltimore, Md. Bottle. 112,277; Nov. 22.
Bolser, Clark M., assignor to The Bolser Corporation, Cedar Falls, Iowa. Combined side lamp and bracket for trucks. 112,244; Nov. 22.
Bolser Corporation, The. (See Bolser, Clark M., assignor.)
Brace, William F. (See Beluche, F. E., and Brace.)
Bridgeport Metal Goods Manufacturing Company, The. (See Ferris, Isaac L., assignor.)
Bristol Company, The. (See Wetherbee, Charles F., assignor.)
Brown & Bigelow. (See Ottewell, Owen S., assignor.)
Burke, Lillian, New York, N. Y. Dress. 112,312; Nov. 22.
Carpenter, Drusilla G., Dallas, Tex. Sun suit or similar article. 112,298; Nov. 22.
Celluloid Corporation. (See Smith, Harry E., assignor.)
Chapman, Samuel, New York, N. Y. Dress. 112,313; Nov. 22.
Cohn, Morris. (See Levy, Sol J., assignor.)
Collingbourne, Albert B., Elgin, Ill. Combined container and thread display. 122,266; Nov. 22.
Conkey, H. D., & Company. (See Kettleborough, Harry J., assignor.)
Continental Elastic Corporation, The. (See Hansmann, Ernest, assignor.)
Court, Colley B., Haverhill, Mass. Heel. 112,267; Nov. 22.
Davis, Albert L., Watertown, assignor to The American Brass Company, Waterbury, Conn. Pencil ferrule. 112,278; Nov. 22.
Di Nardo, Alida, Cleveland, and B. D. Lieber, Cleveland Heights, Ohio. Combined manicurist's tray and lamp. 112,279; Nov. 22.
Donner, John V., assignor to Star Mould Machine Company, Washington, Pa. Light shade or similar article. 112,245; Nov. 22.
Donner, John V., assignor to Star Mould Machine Company, Washington, Pa. Light shade or similar article. 112,246; Nov. 22.
Dunberg, David W., New York, N. Y. Humidor. 112,280; Nov. 22.
Eagle Pencil Company. (See Hanle, Benjamin W., assignor.)
Edson, Bert, Pawtucket, R. I. Lace. 112,299; Nov. 22.
Eidman, Guy G. (See Trice, James C., assignor.)
Electrical Testing Laboratories. (See Gengoult, Marcel H., assignor.)
Electrical Testing Laboratories. (See Wilcox, Jane, assignor.)
Exelmans, Maurice, Paris, France, assignor to Verlys of America, Inc., New York, N. Y. Dish or similar article. 112,247; Nov. 22.
Feintuck, Rose, New York, N. Y. Dress. 112,314; Nov. 22.
Ferris, Isaac L., assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn. Flashlight switch. 112,248; Nov. 22.
Forstmann, Curt E., Montclair, N. J. Textile fabric. 112,300; Nov. 22.
Gengoult, Marcel H., Bloomfield, N. J., assignor to Electrical Testing Laboratories, New York, N. Y. Table lamp. 112,249; Nov. 22.
Gengoult, Marcel H., Bloomfield, N. J., assignor to Electrical Testing Laboratories, New York, N. Y. Floor lamp. 112,250; Nov. 22.
Gilbert, Dave, New York, N. Y. Shoe. 112,251; Nov. 22.
Golland, Samuel, Brooklyn, N. Y. Textile fabric. 112,301; Nov. 22.
Goodman, Morris, Indianapolis, Ind. Finger ring. 112,281; Nov. 22.
Gorham Manufacturing Company. (See Price, James R., assignor.)
Graff, George R., Toledo, Ohio, assignor to The Parker Pen Company, Janesville, Wis. Display box. 112,282; Nov. 22.
Gratiot Fixture & Supply Co. (See Hayes, Edward L., assignor.)
Guyon, Yvonne, New York, N. Y. Dress. 112,315; Nov. 22.
Hadley, Donald L., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Electric toaster or the like. 112,252; Nov. 22.
Hanle, Benjamin W., Elizabeth, N. J., assignor to Eagle Pencil Company, New York, N. Y. Fountain pen or similar article. 112,283; Nov. 22.
Hansmann, Ernest, assignor to The Continental Elastic Corporation, New Bedford, Mass. Braid or similar article of manufacture. 112,302; Nov. 22.
Hayes, Edward L., assignor to Gratiot Fixture & Supply Co., Detroit, Mich. Refrigerator cabinet. 112,253; Nov. 22.
Huddle, John T., St. Petersburg, Fla. Wooden link belt. 112,303; Nov. 22.
Jaccard, Helene S., Mission Hills, Kans. Sport hat. 112,304; Nov. 22.
Jackson, Joseph G., Oak Park, assignor to The Edward Katzinger Company, Chicago, Ill. Baking pan. 112,254; Nov. 22.
Johnson, Roy W. (See Barnes, J. F., Reinecke, and Johnson.)
Junkunc, Stephen, Jr., assignor to S. Junkunc, Sr., Oak Park, Ill. Cap for burial casket handles. 112,284; Nov. 22.
Junkunc, Stephen, Sr. (See Junkunc, Stephen, Jr., assignor.)
Katzinger, Edward, Company, The. (See Jackson, Joseph G., assignor.)

Kettleborough, Harry J., Mendota, assignor to H. D. Conkey & Company, Chicago, Ill. Domestic ice cream freezer. 112,255; Nov. 22.
Keyes, Kenneth B., New York, N. Y. Shoe or similar article. 112,256; Nov. 22.
Keyes, Kenneth B., New York, N. Y. Shoe or similar article. 112,257; Nov. 22.
Kinsley, Felix P., St. Louis, Mo. Finger ring. 112,285; Nov. 22.
Klein, Gisele, New York, N. Y. Dress. 112,316; Nov. 22.
Krapf, George. (See Krapf, John and G.)
Krapf, John and G., Milwaukee, Wis. Humidifier container. 112,286; Nov. 22.
Lawrence, Marie, New York, N. Y. Dress. 112,317; Nov. 22.
Levin, David, New York, N. Y. Shoe. 112,258; Nov. 22.
Levin, David, New York, N. Y. Shoe or similar article. 112,305; Nov. 22.
Levin, David, New York, N. Y. Shoe or similar article. 112,306; Nov. 22.
Levin, David, New York, N. Y. Shoe or similar article. 112,307; Nov. 22.
Levin, David, New York, N. Y. Shoe. 112,308; Nov. 22.
Levy, Albert E., New York, N. Y. Dress. 112,318; Nov. 22.
Levy, Albert E., New York, N. Y. Dress. 112,319; Nov. 22.
Levy, Albert E., New York, N. Y. Dress. 112,320; Nov. 22.
Levy, Sol J., New York, assignor to M. Cohn, Long Island City, N. Y., as receiver of Police Radio Corporation. Case for radio receiving or transmitting apparatus. 112,287; Nov. 22.
Lieber, Betty D. (See di Nardo, A., and Lieber.)
Lish, Samuel, New York, N. Y. Hat. 112,327; Nov. 22.
Logan, Dougald, Pawtucket, R. I., assignor to Shaw Paper Box Company. Display box or similar article. 112,259; Nov. 22.
Lowenthal, Arthur M., assignor to Max Lowenthal & Sons, Rochester, N. Y. Scarf. 112,309; Nov. 22.
Lowenthal, Max & Son. (See Lowenthal, Arthur M., assignor.)
Lynch, Edward S., New York, N. Y. Book end. 112,260; Nov. 22.
Maidman, Ada, New York, N. Y. Dress. 112,321; Nov. 22.
Martin, Cary W., Los Angeles, Calif. Extensible radio aerial. 112,288; Nov. 22.
McQuinn, Carl, assignor to Williams Sealing Corporation, Decatur, Ill. Container cap. 112,289; Nov. 22.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Gasoline tank for outboard motor. 112,290; Nov. 22.
Morrison, Willard L., Lake Forest, Ill. Radiator grille cover unit for automobiles. 112,291; Nov. 22.
Ottewell, Owen S., assignor to Brown & Bigelow, St. Paul, Minn. Playing card. 112,292; Nov. 22.
Parker Pen Company, The. (See Graff, George R., assignor.)
Police Radio Corporation. (See Levy, Sol J., assignor.)
Price, David W., New York, N. Y. Dress. 112,322; Nov. 22.
Price, James R., Cranston, assignor to Gorham Manufacturing Company, Providence, R. I. Spoon or other article of flatware. 112,310; Nov. 22.
Productive Inventions, Inc. (See Anderson, John W., assignor.)
Reinecke, Jean O. (See Barnes, J. F., Reinecke, and Johnson.)
Salomon, Irving, Chicago, Ill. Portable bar. 112,242; Nov. 22.
Schaeffer, Jacob H., Brooklyn, N. Y. Jewelry setting or similar article. 112,293; Nov. 22.
Sears, Roebuck and Co. (See Morgan, John R., assignor.)
Shaw Paper Box Company. (See Logan, Dougald, assignor.)
Smith, Harry E., Short Hills, N. J., assignor to Celluloid Corporation. Plastic sheet or similar article. 112,294; Nov. 22.
Smith, Hewlett R. (See Wackwitz, Henry E. J., assignor.)
Star Mould Machine Company. (See Donner, John V., assignor.)
Stephens, Mordecai H., Fort Wayne, Ind. Display stand. 112,261; Nov. 22.
Trice, James C., Houston, assignor to G. G. Eidman, Harris County, Tex. Vending machine casing. 112,295; Nov. 22.
Trice, James C., Houston, assignor to G. G. Eidman, Harris County, Tex. Combined scale, vending machine, and advertising cabinet. 112,296; Nov. 22.
Turner, Marris R., Cleveland Heights, Ohio. Textile fabric or similar article. 112,297; Nov. 22.
Umansky, Jacob, Elmhurst, Long Island, assignor to Alexander Textile Corporation, New York, N. Y. Textile fabric. 112,323; Nov. 22.
Vallee, Julia, New York, N. Y. Dress ensemble. 112,324; Nov. 22.
Verlys of America, Inc. (See Exelmans, Maurice, assignor.)
Wackwitz, Henry E. J., assignor of one-half to H. R. Smith, Port Washington, N. Y. Painter's implement support. 112,262; Nov. 22.
Wadsworth, Arthur W., Fort Thomas, Ky., assignor to The Wadsworth Watch Case Company, Dayton, Ohio. Watchcase. 112,263; Nov. 22.
Wadsworth Watch Case Company, The. (See Wadsworth, Arthur W., assignor.)
Wershing, Nicholas L., New York, N. Y. Textile fabric or similar article. 112,311; Nov. 22.
Westinghouse Electric & Manufacturing Co. (See Hadley, Donald L., assignor.)
Wetherbee, Charles F., Naugatuck, assignor to The Bristol Company, Waterbury, Conn. Cover for a measuring instrument case. 112,264; Nov. 22.
Wicha, Sarah, New York, N. Y. Dress. 112,325; Nov. 22.
Wilcox, Jane, Chicago, Ill., assignor to Electrical Testing Laboratories, New York, N. Y. Combined base and pedestal for table lamps. 112,265; Nov. 22.
Williams Sealing Corporation. (See McQuinn, Carl, assignor.)

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 22D DAY OF NOVEMBER, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Charles W., Larchmont, N. Y. Method and apparatus for conduit construction. 2,137,887; Nov. 22.
Abbott, Frederick C., Tulsa, Okla., S. R. B. Cooke, Rolla, Mo., and C. O. Anderson, Baxter Springs, Kans., assignors to Mahoning Mining Company, Youngstown, Ohio. Removing fluorspar from zinc concentrates. 2,137,600; Nov. 22.
Abrams, Arthur J., New York, N. Y. Film magazine. 2,137,601; Nov. 22.
Abrams, Helman, Greenville, S. C. Air breezing apparatus. 2,137,661; Nov. 22.
Adams, Edward T. (See Hoferer, D. W., and Adams.)
Adolfson, Ernest F., Hazel Park, Mich. Oil burner. 2,137,681; Nov. 22.
Aeschbach, Emil, assignor to the firm F. Aeschbach A.-G., Aarau, Switzerland. Device for discharging troughs. 2,137,558; Nov. 22.
Aeschbach, F., A.-G. (See Aeschbach, Emil, assignor.)
Agnew, Norman F., Swissvale, and B. Mishelevich, Pittsburgh, assignors to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 2,137,747; Nov. 22.
Aikman, Burton S., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Compressor control mechanism. 2,137,219; Nov. 22.
Aikman, Burton S., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Compressor lubricator. 2,137,220; Nov. 22.
Aikman, Burton S., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Motor protection device. 2,137,221; Nov. 22.
Airmatic Systems, Inc. (See Busch, Herman, assignor.)
Albertoli, John, San Francisco, Calif. Counting device. 2,137,320; Nov. 22.
Alexander, John W., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Device for transforming direct current into alternating current. 2,137,375; Nov. 22.
Algee, Lucian C., Atlanta, Ga. Windmill. 2,137,559; Nov. 22.
Allen, John E., Miami, Fla. Cleaning device. 2,137,300; Nov. 22.
Allgemeine Elektricitatz Gesellschaft. (See Wessels, Hermann, assignor.)
Altorfer, Henry W., Peoria, Ill. Clothes drier. 2,137,376; Nov. 22.
Aluminum Company of America. (See Derr, Ralph B., assignor.)
Aluminum Company of America. (See Hetler, Willard R., assignor.)
Aluminum Company of America. (See Mussey, Delavan S., assignor.)
Aluminum Company of America. (See Nock, J. A., Jr., and Keller, assignors.)
Alvarez, Juan A., Habana, Cuba. Hydraulic suspension for motor vehicles. 2,137,662; Nov. 22.
American Chain & Cable Company. (See Bratz, Otto J., assignor.)
American Cyanamid Company. (See Collins, Charles D., assignor.)
American Flange & Manufacturing Co. (See Wallach, Carl D., assignor.)
American Foundry Equipment Company, The. (See Turnbull, David C., assignor.)
American Hardware Corporation, The. (See Stone, Elmer B., assignor.)
American Magnesium Metals Corporation. (See Erdmann, K., Hansgirg, and Schichtel, assignors.)
American Maize-Products Company. (See Daly, R. E., and Walsh, assignors.)
American Radiator Company. (See Lundt, Ernest C., assignor.)
American Steel Wool Mfg. Co. (See Stern, Lawrence, assignor.)
American Telephone and Telegraph Company. (See Anderson, E. N., assignor, and Getz, and Ulrich.)
American Telephone and Telegraph Company. (See Anderson, Fred L, assignor.)
American Telephone and Telegraph Company. (See Rezos, George, assignor.)
America Zinc, Lead & Smelting Company. (See MacIntire, Walter H., assignor.)
Anderson, Alfred W., Oak Park, Ill. Forceps. 2,137,710; Nov. 22.
Anderson, Carl O. (See Abbot, F. C., Cooke, and Anderson.)
Anderson Company, The. (See Smulski, Theodore J., assignor.)
Anderson, Emil N., Oak Park, Ill., E. L. Getz, Ridgewood, and H. W. Ulrich, Newark, N. J.; said Anderson assignor to American Telephone and Telegraph Company, and said Getz and Ulrich assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,137,703; Nov. 22.
Anderson, Fred L., San Antonio, Tex., assignor to American Telephone and Telegraph Company. Wire tying tool. 2,137,325; Nov. 22.
Anderson, Harold L., Lincoln, Nebr. Barrel transport truck. 2,137,560; Nov. 22.
Andres, William J. (See Sanford, R. S., and Andrews.)
Anker Werke A.-G. (See Klaar, Albert, assignor.)
Apex Electrical Manufacturing Company, The. (See Kirby, James B., assignor.)
Arcturus Development Company. (See Glauber, John J., assignor.)
Arden, Thomas R., Baldwin, N. Y., assignor to Ultrad Products, Incorporated. Electric flashlight. 2,137,230; Nov. 22.
Arlavox Manufacturing Company. (See Paredes, Walter J., assignor.)
Aronson, Louis V., assignor to Art Metal Works, Inc., Newark, N. J. Pyrophoric lighting mechanism. 2,137,521; Nov. 22.
Arpin, Leonard G., and A. J. Bedwell, Fort Lauderdale, Fla. Curling device. 2,137,828; Nov. 22.
Arrow-Hart & Hegeman Electric Company, The. (See Lorenz, Charles H., assignor.)
Arthurs, David C., and J. A. Guyer, assignors to Mt. Vernon Car Mfg. Co., Mount Vernon, Ill. Refrigerator vehicle. 2,137,766; Nov. 22.
Artloom Corporation. (See Hilbert, Otto F., assignor.)
Art Metal Construction Company. (See Williams, Julian C., assignor.)
Art Metal Works, Inc. (See Aronson, Louis V., assignor.)
Ashton, Ernest W., Ottawa, Ontario, Canada, assignor to Industrial Patents Corporation, Chicago, Ill. Branding device. 2,137,891; Nov. 22.
Ashton Valve Company, The. (See Baker, H. S., and Motherwell, assignors.)
Aspenburg, Charles A., Wildwood, N. J. Trawl net. 2,137,663; Nov. 22.
Asper, Orson E., Lorenzo, Idaho. Thawing attachment for the hose connections and radiator of an internal combustion engine. 2,137,231; Nov. 22.
Asselin, Arthur N., Fall River, Mass. Valve. 2,137,561; Nov. 22.
Associated Electric Laboratories, Inc. (See Lomax, C. E., and Voss, assignors.)
Associated Electric Laboratories, Inc. (See Martin, T. G., and Lomax, assignors.)
Associated Electric Laboratories, Inc. (See Obergfell, Herbert F., assignor.)
Associated Electric Laboratories, Inc. (See Ostline, John E., assignor.)
Associated Electric Laboratories, Inc. (See Voss, John H., assignor.)
Associated Electric Laboratories, Inc. (See Wicks, John, assignor.)
Associated Electric Laboratories, Inc. (See Willis, Bernard D., assignor.)
Associated Telephone and Telegraph Company. (See Taylor, R., and Baker, assignors.)
Atlanta Paper Company. (See Cummings, Fred E., assignor.)
Atlas Bolt & Screw Company, The. (See Schellentrager, Eugene W., assignor.)
Austin, Ellsworth W., assignor to La Plant Choate Manufacturing Company, Inc., Cedar Rapids, Iowa. Snow moving device. 2,137,321; Nov. 22.
Austin, Ellsworth W., assignor to La Plant Choate Manufacturing Company, Incorporated, Cedar Rapids, Iowa. Earth moving device. 2,137,829; Nov. 22.
Automatic Cone Valve Company. (See Goldberg, David D., assignor.)
Axtmann, Harold G., Dearborn, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,137,522; Nov. 22.
Babcock-Davis Corporation. (See Davis, William A., assignor.)
Baehr, Hans, Leuna, H. Mengdehl, Huels, and W. Wenzel, Leuna, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Washing out of weak gaseous acids from gases containing the same. 2,137,602; Nov. 22.
Baffa, Michael, assignor to Lilly Varnish Company, Indianapolis, Ind. Composition of matter and making same. 2,137,794; Nov. 22.

Baillie, Alfred J., Wyndmoor, Pa. Rake. 2,137,795; Nov. 22.
Baker, George T. (See Taylor, R., and Baker.)
Baker, Harry S., Arlington, and J. W. Motherwell, Melrose, assignors to The Ashton Valve Company, Cambridge, Mass. Illuminated gauge. 2,137,972; Nov. 22.
Baker Perkins Limited. (See Tanqueray, David Y. B., assignor.)
Bale, Geo., et al. (See King, James F., assignor.)
Ball Brothers Company. (See Dorman, Edgar P., assignor.)
Ball Brothers Company. (See Tipping, John, assignor.)
Banfield, Frederic E., Jr., Saco, assignor, by mesne assignments, to Saco-Lowell Shops, Biddeford, Maine. Spindle. 2,137,232; Nov. 22.
Banigan, Thomas F., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulosic structure. 2,137,301; Nov. 22.
Bannon, John J., et al. (See La Londe, Moses, assignor.)
Barcy, William W. (See Tingle, R. J., Barcy, and Fuchs.)
Barium Stainless Steel Corporation. (See Bradford, William D., assignor.)
Barnett, Herbert. (See Begun, S. J., Durst, and Barnett.)
Barnhart, George E., Pasadena, Calif. Explosive device. 2,137,436; Nov. 22.
Barr, Walter A., Fort Wayne, Ind., assignor to Koppers Company. Automatic control apparatus. 2,137,222; Nov. 22.
Barrett Company, The. (See Sutherland, Leslie T., assignor.)
Barrett, Harold J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Moistureproofing process and product produced therefrom. 2,137,636; Nov. 22.
Bassett, Francis P. (See Blaylock, R. C., Bassett, Child, and Osborn.)
Bates Manufacturing Company, The. (See Faas, Walter, assignor.)
Bauer, Walter, and P. Weisert, Darmstadt, Germany, assignors to Röhm & Haas Company, Philadelphia, Pa. Laminated glass. 2,137,377; Nov. 22.
Baxter, William C., assignor to Trimble Nurseyland Furniture, Inc., Rochester, N. Y. Fitting for collapsible tubs. 2,137,223; Nov. 22.
Bayer, Otto, Leverkusen, and J. Nelles, Leverkusen-Schlebusch, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. A,B-dihalogenethylketones. 2,137,664; Nov. 22.
Bayley, William, Company, The. (See Bayley, William D., assignor.)
Bayley, William D., assignor to The William Bayley Company, Springfield, Ohio. Detention window. 2,137,437; Nov. 22.
Bayley, William D., Springfield, Ohio. Window assembly. 2,137,438; Nov. 22.
Bayley, William D., Springfield, Ohio. Window assembly. 2,137,439; Nov. 22.
Bayliss, Francis J., Walsall, England. Waist and like belt and band and their fastening. 2,137,796; Nov. 22.
Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Splitting machine. 2,137,326; Nov. 22.
Bear, Paul S., Dowagiac, Mich., and H. E. Bucklen, assignors, by mesne assignments, to Bucklen-Bear Laboratories, Inc., Elkhart, Ind. Switch. 2,137,711; Nov. 22.
Beaver Pipe Tools, Inc. (See Phillis, William A., assignor.)
Becker, Logan A. (See Lester, N., and Becker.)
Beckwith, Lawton B. (See Bray, U. B., and Beckwith.)
Becvar, Joseph, Wickliffe, assignor to The Cleveland Cooperative Stove Company, Cleveland, Ohio. Terminal receptacle for gas range oven lights. 2,137,641; Nov. 22.
Bedwell, Andrew J. (See Arpin, L. G., and Bedwell.)
Begun, Semi J., New York, I. F. Durst, Great Neck, and H. Barnett, assignors, by mesne assignments, to C. Tucker, New York, N. Y. Signaling system. 2,137,302; Nov. 22.
Bell Telephone Laboratories, Incorporated. (See Anderson, E. N., and (Getz and Ulrich, assignors).)
Bell Telephone Laboratories, Incorporated. (See Rodgers, Karl F., assignor.)
Bell Telephone Laboratories, Inc. (See Wagar, Harold N., assignor.)
Bendix Aviation Corporation. (See Axtmann, Harold G., assignor.)
Bendix Aviation Corporation. (See Carroll, Eugene G., assignor.)
Bendix Aviation Corporation. (See Chappell, R. R., and Colt, assignors.)
Bendix Aviation Corporation. (See Sanford, R. S., and McConkey, assignors.)
Bendix Products Corporation. (See Lauer, Léon N., assignor.)
Bendix Products Corporation. (See Price, Harold W. and E. R., assignors.)
Bendix Products Corporation. (See White, John W., assignor.)
Bendix-Westinghouse Automotive Air Brake Company. (See Eaton, Wilfred A., assignor.)
Bendix-Westinghouse Automotive Air Brake Company. (See Rowley, Millard C., assignor.)
Bendix-Westinghouse Automotive Air Brake Company. (See Sanford, R. S., and Andre, assignors.)
Bendix-Westinghouse Automotive Air Brake Company. (See Turek, Thomas J., assignor.)
Bendix-Westinghouse Automotive Air Brake Company. (See Vorech, Stephen, assignor.)
Benedek, Elek K., Bucyrus, Ohio. Variable displacement pump or motor. 2,137,936; Nov. 22.
Benedict, Floyd L., Columbus, Ohio. Heater. 2,137,224; Nov. 22.
Benninghofer, Paul, et al., trustee. (See Waechter, Harry J., assignor.)
Bensemann, Edward H. T. (See Knapp, P. V., Senior, McNabb, and Bensemann.)
Berger, Kornel, New York, N. Y. Forming a running thread nipple from flat stock. 2,137,797; Nov. 22.
Berger, Morris W., and P. Weinberg, San Francisco, Calif. Attachment plug. 2,137,258; Nov. 22.
Berghaus, Bernhard. (See Hagedorn, Gerhard, assignor.)
Berghoff, Frank, La Fayette, Ind. Automatic window lock. 2,137,937; Nov. 22.
Bergstrom, Eric V., assignor to Standard Oil Company, Chicago, Ill. Heat treating pressure vessels. 2,137,523; Nov. 22.
Berliner, Julius F. T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dye stain. 2,137,830; Nov. 22.
Berliner, Julius F. T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dye stain composition. 2,137,871; Nov. 22.
Bertry, Vital A., Paris, France. Safety razor. 2,137,327; Nov. 22.
Best, John H., & Sons, Inc. (See Best, Leon H., assignor.)
Best, Leon H., assignor to John H. Best & Sons, Inc., Galva, Ill. Display stand. 2,137,748; Nov. 22.
Best, Leon H., assignor to John H. Best & Sons, Inc., Galva, Ill. Display rack. 2,137,749; Nov. 22.
Betcone, David S., Middletown, Ohio. Building construction. 2,137,767; Nov. 22.
Bibb Manufacturing Company. (See Gwaltney, Eugene C., assignor.)
Billing, Noel P., London, England. Photographic camera and attachments therefor. 2,137,378; Nov. 22.
Billing, Noel P., and A. H. Tapper, London, England; said Tapper assignor to said Billing. Film envelope. 2,137,379; Nov. 22.
Billing, Noel P., London, and A. G. Willis, Richmond, Surrey, England; said Willis assignor to said Billing. Film envelope. 2,137,380; Nov. 22.
Birch, Herbert M. (See Shepard, Kelvin K., assignor.)
Bissell, Everett S., Irondequoit, assignor to Mixing Equipment Co., Inc., Rochester, N. Y. Material agitating means. 2,137,328; Nov. 22.
Black, William, Kings Park, N. Y. Price tag holder. 2,137,938; Nov. 22.
Blackstone, Clarence W., Chicago, Ill., assignor to Standard-Knapp Corporation, Long Island City, N. Y. Label-feeding mechanism. 2,137,381; Nov. 22.
Blaylock, Raymond C., F. P. Bassett, and E. R. Child, Kenmore, N. Y., and R. R. Osborn, New Orleans, La., assignors, by mesne assignments, to Curtiss-Wright Corporation. Wing flap. 2,137,382; Nov. 22.
Boak, Thomas I. S., Hamden, assignor to Winchester Repeating Arms Company, New Haven, Conn. Composite firearm barrel. 2,137,259; Nov. 22.
Bodenhamer, George E., Klamath Falls, Oreg. Shaping tool for saw teeth. 2,137,225; Nov. 22.
Boeve, Arie, Hull, Iowa. Front-view mirror device. 2,137,440; Nov. 22.
Bogaerts, John J., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric switch cabinet. 2,137,872; Nov. 22.
Boles, Chalmers B., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,137,260; Nov. 22.
Böll, Karl, Berlin, and A. Edelhoff, assignors to Sprengund Tauchgesellschaft m. b. H., Berlin-Schoneberg, Germany. Method of and device for flushing-in blasting charges. 2,137,261; Nov. 22.
Bonbright, Carl W., trustee. (See Cooper, Lawson H., assignor.)
Bonbright, Carl W., trustee. (See Nightingale, William J., assignor.)
Bonney, Herbert M. (See Gould, C. T., and Bonney.)
Boonton Radio Corporation. (See Snow, Harold A., assignor.)
Boston Wire Stitcher Company. (See Cavanagh, John F., assignor.)
Bowman-Manifold, Michael, Worplesdon Station, assignor to Electric & Musical Industries Limited, Middlesex, England. Television system. 2,137,262; Nov. 22.
Bowman-Manifold, Michael, Worplesdon Station, and W. S. Percival, Hanwell, assignors to Electric and Musical Industries Limited, Hayes, England. Television and the like transmission system. 2,137,798; Nov. 22.
Boyer, John A., assignor to The Carborundum Company, Niagara Falls, N. Y. Abrasive article and its manufacture. 2,137,329; Nov. 22.
Bradford, William D., assignor to Barium Stainless Steel Corporation, Canton, Ohio. Furnace. 2,137,892; Nov. 22.
Bradley, Raymond. (See Phelps, G. W., Bradley, and Pierie, assignors.)

Bradt, Charles H., and W. J. Higgins, Groton, assignors to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Toggle stop device. 2,137,263; Nov. 22.
Bradt, Harry, et al. (See La Londe, Moses, assignor.)
Brandenburg, Julius, New York, N. Y. Folding chair. 2,137,799; Nov. 22.
Brandwood, John, Birkdale, Southport, England. Production of folded textile threads. 2,137,264; Nov. 22.
Bratz, Otto J., Adrian, Mich., assignor, by mesne assignments, to American Chain & Cable Company, Inc. Providing stranded structures with fittings. 2,137,712; Nov. 22.
Bray, Ulric B., and L. B. Beckwith, Palos Verdes Estates, assignors to Union Oil Company of California, Los Angeles, Calif. Emulsion and producing the same. 2,137,226; Nov. 22.
Brazel, Frank W., Detroit, Mich. Roller skate. 2,137,330; Nov. 22.
Bremer Woll-Kammerei. (See Gies, Heinrich, assignor.)
Breon, George A., & Company. (See Sondern, C. W., and Wiegand, assignors.)
Brickner-Kropf Machine Company. (See Kropf, Henry W., assignor.)
Briggs Manufacturing Company. (See Lundberg, Everett E., assignor.)
Briggs Manufacturing Company. (See Lundberg, E. E., Doty, and Hathaway, assignors.)
Briggs Manufacturing Company. (See Ross, Frederick N., assignor.)
Brooks Paper Company. (See Helber, Eva J., assignor.)
Brotzman, Leonard G., Arroyo Grande, Calif. Plant thinner. 2,137,233; Nov. 22.
Brown Instrument Company, The. (See Fisher, Andrew J., assignor.)
Brown, Thomas C., San Francisco, Calif., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Record shaving machine. 2,137,383; Nov. 22.
Browne, Kenneth A., Paterson, N. J., assignor to Wright Aeronautical Corporation. Fuel metering and distributing system. 2,137,384; Nov. 22.
Brun, Willi, Bridgeport, Conn., assignor to Remington Arms Company, Inc. Basic lead styphnate and making it. 2,137,234; Nov. 22.
Brunke, Fritz, Berlin-Steglitz, Germany, assignor to General Electric Company. Producing dry plate elements for selenium rectifiers and the like. 2,137,831; Nov. 22.
Brünnert, Otto. (See Severin, E., and Brünnert.)
Bryan, Thomas E., Oklahoma City, Okla. Gas lift valve. 2,137,441; Nov. 22;
Buchanan, Edward S., Riverdale, N. J. Coaster brake. 2,137,562; Nov. 22.
Bucklen-Bear Laboratories, Inc. (See Bear, P. S., and Bucklen, assignors.)
Bucklen, Herbert E. (See Bear, P. S., and Bucklen.)
Bugg, Kenly C., Farmington, Mo. Gear mechanism. 2,137,524; Nov. 22.
Burby, Philip E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe rest. 2,137,331; Nov. 22.
Burndy Engineering Company. (See Dibner, Abraham B., assignor.)
Busch, Herman, Long Island City, assignor to Airmatic Systems, Inc., New York, N. Y. Pneumatic control valve. 2,137,750; Nov. 22.
Buschbeck, Werner, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Circuit for suppressing disturbance waves and upper harmonics. 2,137,265; Nov. 22.
Butler, Arthur G., Buffalo, N. Y., assignor to Curtiss-Wright Corporation. Aircraft control system. 2,137,385; Nov. 22.
Cadillac Malleable Iron Company. (See Price, Edward T., assignor.)
Callan, Earl F., Glendale, Calif. Spraying molten pulverized quartz or enamel mixtures. 2,137,442; Nov. 22.
Campbell, Kenneth, Radburn, and P. B. Taylor, Upper Montclair, N. J., assignors to Wright Aeronautical Corporation. Controllable engine cowling. 2,137,386; Nov. 22.
Cannon, Perry R., et al. (See Strassman, Otto A., assignor.)
Caraway, George W., Bishopville, S. C. Shirt attachment. 2,137,563; Nov. 22.
Carbide and Carbon Chemicals Corporation. (See Reed, Marion C., assignor.)
Carborundum Company, The. (See Boyer, John A., assignor.)
Carlson, Gustav A., Chillicothe, Ill. Belt fastener. 2,137,564; Nov. 22.
Carothers, Wallace H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Shaped articles from polymeric materials. 2,137,235; Nov. 22.
Carroll, Eugene G., Los Angeles, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,137,525; Nov. 22.
Casablancas, Fernando, Sabadell, Spain. False twist mechanism for drawing textile rovings. 2,137,565; Nov. 22.
Case, Nelson P., Bayside, N. Y., assignor to Hazeltine Corporation. Multiband receiver. 2,137,266; Nov. 22.
Cavanagh, John F., Providence, assignor to Boston Wire Stitcher Company, Warwick, R. I. Fastener-applying implement. 2,137,642; Nov. 22.
Cawley, Aloysius J., Pittston, Pa. Sound record process. 2,137,267; Nov. 22.
Cellulose Research Corporation, The. (See Olsen, Frederich, assignor.)
Certain-Teed Products Corporation. (See Rahr, Chester E., assignor.)
Champion, Warren, Pekin, Ill. Steering wheel attachment. 2,137,332; Nov. 22.
Chapin, Chester M., St. Louis, Mo. Steaming iron. 2,137,387; Nov. 22.
Chapman, Frank D., Berlin, Wis. Pulping and conveying system. 2,137,388; Nov. 22.
Chapman, Frank D., Berlin, Wis. Receptacle filling machine. 2,137,389; Nov. 22.
Chappell, Ralph R., Richmond, and R. B. Colt, Baltimore, Md., assignors to Bendix Aviation Corporation, South Bend, Ind. Shaft speed indicator. 2,137,443; Nov. 22.
Chemische Fabrik Grünau Landshoff & Meyer A. G. (See Haffner, F., and Sommer, assignors.)
Chemische Fabrik Grünau, Landshoff & Meyer Akt. Ges. (See Sommer, Fritz, assignor.)
Chemische Fabrik Johann A. Wulfing. (See Sturm, E., and Fleischmann, assignors.)
Chemische Studien-Gesellschaft Uniwapo. (See Sprenger, Arthur, assignor.)
Chevie, William. (See Mikos, George, assignor.)
Chicago Telephone Supply Company. (See Schellenger, Newton C., assignor.)
Child, Edward R. (See Blaylock, R. C., Bassett, Child, and Osborn.)
Chilton, Roland, Ridgewood, assignor, by mesne assignments, to Wright Aeronautical Corporation, Paterson, N. J. Rotary valve and seal therefor. 2,137,390; Nov. 22.
Chilton, Roland, Ridgewood, assignor, by mesne assignments, to Wright Aeronautical Corporation, Paterson, N. J. Cylinder attachment. 2,137,391; Nov. 22.
Christiansen, Walter G., Glen Ridge, N. J., and E. Moness, Long Island City, assignors to E. R. Squibb & Sons, New York, N. Y. Mercuri alkyl phenol derivatives. 2,137,236; Nov. 22.
Christiansen, Walter G., Glen Ridge, N. J., and A. E. Jurist, Brooklyn, assignors to E. R. Squibb & Sons, New York, N. Y. Precipitation of neoarsphenamine and sulpharsphenamine. 2,137,237; Nov. 22.
Chrysler Corporation. (See Neeson, Charles R., assignor.)
Church, Ray W., and T. H. Ware, Seminole, Okla. Air conditioner. 2,137,905; Nov. 22.
Cincinnati Milling Machine Co., The. (See Romaine, Millard, assignor.)
Cincinnati Time Recorder Company, The. (See Streckfuss, E. G., and Lensky, assignors.)
Cirac Automatic Reverse Control Company. (See Cirac, C. P., Cooper, and MacDonald, assignors.)
Cirac, Charles P., T. W. Cooper, San Francisco, and W. W. MacDonald, Mountain View, assignors to Cirac Automatic Reverse Control Company, San Francisco, Calif. Overrunning clutch. 2,137,643; Nov. 22.
Clairon, Julius C., New York, N. Y. Garment hanger device. 2,137,268; Nov. 22.
Clancy, Charles E., Glendale, Calif. Venetian blind. 2,137,444; Nov. 22.
Clare, Charles, Madison, Wis. Railway crossing. 2,137,566; Nov. 22.
Clarin Mfg. Co. (See Hambrook, George W., assignor.)
Cleveland Cooperative Stove Company, The. (See Becvar, Joseph, assignor.)
Cleveland Graphite Bronze Company, The. (See Swartz, C. E., and Wilkey, assignors.)
Cleveland Rock Drill Company, The. (See Richardson, Led L., assignor.)
Clokey, Allison A., Rutherford, and G. S. Vernam, River Edge, N. J., assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Stock quotation board system. 2,137,603; Nov. 22.
Cobb, Howard L., Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Variable inductor. 2,137,392; Nov. 22.
Coin, George W., Manhattan, Kans. Air conditioning apparatus. 2,137,567; Nov. 22.
Colburn, George H., Waltham, Mass. Lining implement. 2,137,333; Nov. 22.
Cole, Raymond A., assignor to Norton Company, Worcester, Mass. Grinding machine. 2,137,644; Nov. 22.
Collins, Charles D., assignor to American Cyanamid Company, New York, N. Y. Pump duster. 2,137,526; Nov. 22.
Collins, Samuel B., Bayonne, N. J. Making imitation tile. 2,137,238; Nov. 22.
Colt, Rutger B. (See Chappell, R. R., and Colt.)
Compagnie Nationale de Matières Colorantes et Manufactures de Produits Chimiques du Nord Réunies Etablissements Kuhlmann. (See Mirocourt, H., and Jirou, assignors.)
Cone Automatic Machine Company, Inc. (See Miller, Carroll E., assignor.)
Conner, Jess J., Burwell, Nebr. Cleat fastener means. 2,137,713; Nov. 22.
Continental Gin Company. (See Steinhauer, William L., assignor.)
Continental Motors Corporation. (See Ginn, Earl, assignor.)

Cooke, Strathmore R. B. (See Abbott, F. C., Cooke, and Anderson.)
Cooper, Lawson H., assignor to C. W. Bonbright, Flint, Mich., as trustee. Automobile decking device. 2,137,979; Nov. 22.
Cooper, Thomas W. (See Cirac, C. P., Cooper, and MacDonald.)
Cordes, Walter J., San Francisco, Calif. Oil saver. 2,137,832; Nov. 22.
Cordley, Christopher M., Greenwich, Conn., assignor to Cordley & Hayes, New York, N. Y. Water cooler. 2,137,269; Nov. 22.
Cordley & Hayes. (See Cordley, Christopher M., assignor.)
Cosmocolor Corporation. (See Gilmore, Otto C., assignor.)
Cotter, George L., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Railway train brake equipment. 2,137,227; Nov. 22.
Coughlan, Harold L., Dunedin, New Zealand. Sound recording oscilloscope. 2,137,768; Nov. 22.
Crago, Harry R., Caldwell, N. J., assignor to General Electric Company. Selective control for air conditioning apparatus. 2,137,833; Nov. 22.
Craighead, Walter B., St. Paul, Minn. Collapsible table. 2,137,229; Nov. 22.
Crandall, George S. (See Moran, R. C., and Crandall.)
Crane Co. (See Zinkle, Roy H., assignor.)
Cranston Print Works Company. (See Stevens, Frank J., assignor.)
Craven, Henry E., Jr., Baltimore, and F. K. Knudsen, Gevans, assignors to The Porcelain Enamel & Manufacturing Company of Baltimore, Baltimore, Md. Method of and apparatus for granulating porcelain enamel and the like. 2,137,931; Nov. 22.
Crawford, Robert B. P., Washington, D. C., assignor to Frick Company, Waynesboro, Pa. Air conditioning system. 2,137,769; Nov. 22.
Crawford, Robert B. P., Washington, D. C., assignor to Frick Company, Waynesboro, Pa. Air conditioning system. 2,137,996; Nov. 22.
Crockett, Lynn, Flint, Mich. Carburetor. 2,137,665; Nov. 22.
Crosman Seed Corporation, Inc. (See Flagler, Dudley W., assignor.)
Crump, Lindell L., Kirkwood, assignor to J. R. Kearney Corporation, St. Louis, Mo. Protective device for electric circuits. 2,137,270; Nov. 22.
Cserny, Ludwig, Wiesbaden Hessen-Nassau, Germany, assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Phenolic molding powder. 2,137,568; Nov. 22.
Cummings, Fred E., assignor to Atlanta Paper Company, Atlanta, Ga. Display box. 2,137,906; Nov. 22.
Cunningham, James W., Haddon Heights, N. J., assignor to Horn and Hardart Baking Co., Philadelphia, Pa. Mechanism for dispensing beverages. 2,137,527; Nov. 22.
Cunningham, William E., Norman, Okla. Garment pocket. 2,137,907; Nov. 22.
Curtiss-Wright Corporation. (See Blaylock, R. C., Bassett, Child, and Osborn, assignors.)
Curtiss-Wright Corporation. (See Butler, Arthur G., assignor.)
Curtiss-Wright Corporation. (See Trimbach, C. G., and Lemonier, assignors.)
Cutler-Hammer, Inc. (See Jones, Jesse E., assignor.)
Cutler-Hammer, Inc. (See Lockett, Ralph G., assignor.)
Daly, Raymond E., and J. F. Walsh, Chicago, Ill., assignors to American Maize-Products Company. Corn conversion process. 2,137,973; Nov. 22.
Davey, John E., assignor to R. Gringer, New York, N. Y. Saw handle and blade. 2,137,800; Nov. 22.
Davidson, J. T., Etowah, Ark. Trailer hitch and brake operator. 2,137,445; Nov. 22.
Davies, William O., Great Kills, N. Y. Ski true. 2,137,666; Nov. 22.
Davis, William A., Malden, assignor to Babcock-Davis Corporation, Boston, Mass. Roof batch. 2,137,751; Nov. 22.
Dean, John N. (See Smith, E. W., Dean, and Mattingley.)
De Cew, Judson A., Mt. Vernon, N. Y. Paper sizing. 2,137,230; Nov. 22.
De Francesco, Joseph, St. Louis, Mo. Braided article and making same. 2,137,770; Nov. 22.
De Frates, Joseph S., New Brunswick, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Hormonal composition. 2,137,240; Nov. 22.
De Haven, Hugh, New Canaan, Conn. Educational palette or value control palette. 2,137,477; Nov. 22.
Deltenbach, Carl, Jamaica, N. Y. Mobile verge plate for knitting machines. 2,137,604; Nov. 22.
Delany, Albanus G., Gadsden, Ala., assignor, by mesne assignments, to Republic Steel Corporation, Cleveland, Ohio. Sheet mill piler. 2,137,478; Nov. 22.
De Remer, J. G., Research Corporation. (See Motycka, Joseph, assignor.)
Derr, Ralph B., Oakmont, assignor to Aluminum Company of America, Pittsburgh, Pa. Drying alcohol. 2,137,605; Nov. 22.
Despatures, Charles F., Tournai, Belgium. Vehicle head lamp. 2,137,446; Nov. 22.
Devereaux, William C., Detroit, Mich. Combination dovetail and lock keeper. 2,137,271; Nov. 22.
Dibner, Abraham B., Peekskill, N. Y., assignor to Burndy Engineering Company Inc. Service connecter. 2,137,834; Nov. 22.
Dickinson, Robert C., and W. M. Leeds, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,137,873; Nov. 22.
Diesbach, Fritz G., et al., trustee. (See Waechter, Harry J., assignor.)
Dilg, Walter C. (See Munro, G. R., and Dilg.)
Dinkel, Andrew J., Yuma, assignor of one-half to O. W. Fleury, Los Angeles, Calif. Returnable toy ball. 2,137,272; Nov. 22.
Dinley, Clarence F., assignor, by mesne assignments, to Solvent Machine Company, Detroit, Mich., trustee. Degreasing apparatus. 2,137,479; Nov. 22.
Dixon, Alfred E., Providence, R. I., assignor to Ostby and Barton Company. Finger ring. 2,137,835; Nov. 22.
Doench, Clarence A., Dayton, Ohio. Supporting bracket. 2,137,645; Nov. 22.
Dolan, Thomas F. (See Lester, N., and Becker, assignors.)
Dolbear, Benjamin L., Belmont, Mass., assignor to Radio Corporation of America. Direction finder correcting loop. 2,137,273; Nov. 22.
Dominion Textile Company Limited. (See Kershaw, John G., assignor.)
Doran Brothers, Incorporated. (See Schultze, Paul, assignor.)
Doran, John C. (See Schultze, Paul, assignor.)
Dorman, Edgar P., London, England, assignor, by mesne assignments, to Ball Brothers Company, Muncie, Ind. Mold adjusting means for glass shaping machines. 2,137,714; Nov. 22.
Dorough, George L., Holly Oak, and G. D. Graves, Bellefonte, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerizing styrene. 2,137,393; Nov. 22.
Dorr Company, The. (See Rankin, Renville S., assignor.)
Dorr, William C., Brooklyn, N. Y., and J. R. Putnam, assignors to The Waterbury Clock Company, Waterbury, Conn. Instruction device for time telling. 2,137,646; Nov. 22.
Dorrington, Neill E., Oswego, assignor to St. Regis Paper Company, New York, N. Y. Method of and apparatus for weighing out charges. 2,137,334; Nov. 22.
Doty, Clifford B. (See Lundberg, E. E., Doty, and Hathaway.)
Dotzer, Leonard. (See Jones, W. T., and Dotzer.)
Dow Chemical Company, The. (See Poffenberger, Noland, assignor.)
Drew, Donald E., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulosic film and making same. 2,137,274; Nov. 22.
Driscoll, Edward A., New York, N. Y. Prevention of ice formation. 2,137,394; Nov. 22.
Dunbar, Howard W., Worcester, and H. S. Indge, Westboro, assignors to Norton Company, Worcester, Mass. Grinding machine. 2,137,821; Nov. 22.
Dunmore, Francis W., Washington, D. C., assignor to Government of the United States of America, as represented by the Secretary of Commerce. Automatic steering system. 2,137,241; Nov. 22.
Du Pont, E. I., de Nemours & Company. (See Banigan, Thomas F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Barrett, Harold J., assignor.)
Du Pont, E. I., de Nemours & Company. (See Berliner, Julius F. T., assignor.)
Du Pont, E. I., de Nemours & Company. (See Carothers, Wallace H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Dorough, G. L., and Graves, assignors.)
Du Pont, E. I., de Nemours & Company. (See Drew, Donald E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lazier, Wilbur A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Maxwell, Robert W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Rossander, Swanie S., assignor.)
Du Pont, E. I., de Nemours & Company. (See Thomas, Raymond E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Ubben, Richard T., assignor.)
Du Pont, E. I., de Nemours & Company. (See Williams, I., and Sturgis, assignors.)
Durst, Irving F. (See Begun, S. J., Durst, and Barnett.)
Dye, Glen M., Minneapolis, Minn. Method and apparatus for drying prints. 2,137,480; Nov. 22.
Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Transmission control mechanism. 2,137,939; Nov. 22.
Edelhoff, Arthur. (See Böll, K., and Edelhoff.)
Edison, Thomas A., Incorporated. (See Brown, Thomas C., assignor.)
Edison, Thomas A., Incorporated. (See Miller, Walter H., assignor.)
Edwards, E. H., Company. (See White, Herbert E., assignor.)
Eipper, William R., Dallas, assignor to Industrial Chemical Research Company, Wilkes-Barre, Pa. Modifying natural fats, oils, and waxes. 2,137,667; Nov. 22.
Elder, Austin C., Canton, Ohio. Power saw. 2,137,893; Nov. 22.

Elder, Clarence, Arkley, near Barnet, England. Starting automobiles. 2,137,894; Nov. 22.
Elder, Thomas A., Scotia, N. Y., assignor to General Electric Company. Discharge device. 2,137,836; Nov. 22.
Electric & Musical Industries Limited. (See Bowman-Manifold, Michael, assignor.)
Electric & Musical Industries Limited. (See Bowman-Manifold, M., and Percival, assignors.)
Electric & Musical Industries Limited. (See Gillard, Frank G., assignor.)
Elierstein-Gerber Corp. et al. (See Skora, Hyman, assignor.)
Ellis, Andrew J. (See Olschlager, H. L., and Ellis.)
Ellis, Arthur C., New York, N. Y. Educational device. 2,137,447; Nov. 22.
Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Varnish resins and making same. 2,137,242; Nov. 22.
Ellis, Carleton, Montclair, N. J., assignor to Standard Oil Development Company. Reconstituting and dehydrogenating heavier hydrocarbons and making an anti-knock gasoline. 2,137,275; Nov. 22.
Ellis-Foster Company. (See Ellis, Carleton, assignor.)
Emmens, Hendrik. (See van Geel, W. C., and Emmens.)
Empire Metal Cap Co. (See Merolle, Augustus L., assignor.)
Erbe, Ralph R., Fort Wayne, Ind., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Automatic phonograph. 2,137,276; Nov. 22.
Erdmann, Konrad, Radenthein, Carinthia, Austria, F. Hansgirg, Konan, Korea, and G. Schichtel, Radenthein, Carinthia, Austria, assignors to American Magnesium Metals Corporation, Pittsburgh, Pa. Casting of metal. 2,137,715; Nov. 22.
Erich, Reuben, Avenal, Calif. Inertia switch. 2,137,395; Nov. 22.
Ernst, Walter, Mount Gilead, Ohio, assignor, by mesne assignments, to The Hydraulic Press Corporation, Inc., Wilmington, Del. Hydraulic pump for machine tool drives. 2,137,448; Nov. 22.
Eulenhöfer, Adolf, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Picture telegraph. 2,137,606; Nov. 22.
Faas, Walter, South Orange, assignor to The Bates Manufacturing Company, West Orange, N. J. Perforator. 2,137,716; Nov. 22.
Fabbrica Italiana Magneti Marelli Società Anonima. (See Kamenarovic, Leone, assignor.)
Fafnir Bearing Company, The. (See Searles, Raymond R., assignor.)
Fafnir Bearing Company, The. (See Smith, John W., assignor.)
Fairey Aviation Company, The. (See Lobell, M. J. O., and Voss, assignors.)
Falk Corporation, The. (See Kelley, J. B., and Schmitter, assignors.)
Farnsworth, Philo T., assignor to Farnsworth Television Incorporated, San Francisco, Calif. Multipactor oscillator. 2,137,528; Nov. 22.
Farnsworth Television Incorporated. (See Farnsworth, Philo T., assignor.)
Faubion, Charles A., San Antonio, assignor of one-half to G. C. Rehmet and C. E. Wolcott, Alice, Tex. Electric generator. 2,137,738; Nov. 22.
Fedders Manufacturing Company. (See Przyborowski, Stanislaus, assignor.)
Feldman, Henry, New York, N. Y. Furniture. 2,137,717; Nov. 22.
Ferguson, Alexander D., Michigan City, Ind., assignor to Sullivan Machinery Company. Compressor. 2,137,752; Nov. 22.
Fernsch Aktiengesellschaft. (See Schunack, Johannes, assignor.)
Ferris, William D., assignor to Frantz Manufacturing Co., Sterling, Ill. Hinge. 2,137,529; Nov. 22.
Finley, Max S., Indianapolis, Ind. Paper sack for retailing eggs. 2,137,277; Nov. 22.
Fish Machinery Corporation. (See Hunt, William H., assignor.)
Fischel, Eduard, Berlin-Tempelhof, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany. Aileron control for airplanes. 2,137,974; Nov. 22.
Fisher, Andrew J., Sparrows Point, Md., assignor to The Brown Instrument Company, Philadelphia, Pa. Regulator. 2,137,607; Nov. 22.
Fisher, Ernest F., Springfield, Ill. Drying oven. 2,137,682; Nov. 22.
Fisher, Francis C., Syracuse, N. Y. Indicator tap knob. 2,137,668; Nov. 22.
Flagler, Dudley W., assignor to Crosman Seed Corporation, Inc., East Rochester, N. Y. Folding display rack. 2,137,895; Nov. 22.
Flaherty, James J., Newark, N. J., assignor to Wabash Appliance Corporation, Brooklyn, N. Y. Making frosted bulbs. 2,137,683; Nov. 22.
Flavin, Walter K., Arlington, Mass. Guard for rakes. 2,137,608; Nov. 22.
Fleischmann, Richard. (See Sturm, E., and Fleischmann, assignors.)
Fleury, Ovila W. (See Dinkel, Andrew J., assignor.)
Flint, James A., Bexley, Ohio, assignor to The Traylor Vibrator Company. Vibratory screening device. 2,137,753; Nov. 22.
Flowers, Eloise. (See Martin, James A., assignor.)
Forbes, Lewis J.-B., St. Helens, assignor to Pilkington Brothers Limited, Liverpool, England. Mold for the manufacture of articles of glass in combination with plastic materials. 2,137,472; Nov. 22.
Ford, H. F. (See Kinnard, D. H., and Ford.)
Fowler, Frederick A., Nevada City, Calif. Mounting. 2,137,669; Nov. 22.
Francis, Earle V., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Control system for pulverized fuel burners. 2,137,754; Nov. 22.
Frantz Manufacturing Co. (See Ferris, William D., assignor.)
Freeport Sulphur Company. (See Lee, Clarence O., assignor.)
Freudenberger, Henry, Philadelphia, Pa. Picture hook. 2,137,837; Nov. 22.
Friberg, Bengt F., assignor to Laclede Steel Company, St. Louis, Mo. Making embedded bars. 2,137,718; Nov. 22.
Frick Company. (See Crawford, Robert B. P., assignor.)
Friedman, Harry M., Bayonne, N. J. Plug-in switch. 2,137,569; Nov. 22.
Fruth, Hal F. (See Imes, R. H., and Fruth.)
Fuchs, John E. (See Tingle, R. J., Barcy, and Fuchs.)
Fuller, Wallace W. J., Washington, D. C. Converting speech into visible indicia. 2,137,888; Nov. 22.
Furnas Electric Company. (See Furnas, W. C., and Thompson.)
Furnas, William C., West Allis, and Sigurd R. Thompson, Milwaukee, Wis.; said Thompson assignor to said Furnas, doing business under the name and style of Furnas Electric Company. Switch assemblage. 2,137,481; Nov. 22.
Gabb, Archibald H., Bristol, assignor to the Tan-Sad Chair Company (1931) Limited, Birmingham, England. Chair, seat, and the like. 2,137,335; Nov. 22.
Gaebel, Alfred, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Electron tube. 2,137,609; Nov. 22.
Gage, Everett C. (See Lincoln, John S., assignor.)
Gallo, John W., Revere, Mass. Abrading instrument. 2,137,610; Nov. 22.
Gamewell Company, The. (See McCarthy, Edward J., assignor.)
Garofalo, Ross J., assignor to Union Oil Company of California, Los Angeles, Calif. Producing asphalt emulsions. 2,137,975; Nov. 22.
Gascoyne, William J., Jr. (See Strong, Stanley.)
Gasoline Products Company. (See Sullivan, Pike H., assignor.)
Gaspar, Bela, Brussels, Belgium. Producing colored colloid layers for photographic purposes and material therefor. 2,137,336; Nov. 22.
Gatch, Milton W., assignor to The Gatch Wire Goods Company, Baltimore, Md. Animal trap. 2,137,739; Nov. 22.
Gatch Wire Goods Company, The. (See Gatch, Milton W., assignor.)
Geerpres Wringer, Inc. (See Welch, William H., assignor.)
Geibig, Frank C., Westfield, and W. J. Jacobsson, Elizabeth, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Flame machining and welding. 2,137,801; Nov. 22.
Gemmer, George A., Richmond, Ind. Gear shifting mechanism. 2,137,337; Nov. 22.
General Aniline Works, Inc. (See Hopff, H., and Ohlinger, assignors.)
General Aniline Works, Inc. (See Koeberle, Karl, assignor.)
General Electric Company. (See Brunke, Fritz, assignor.)
General Electric Company. (See Crago, Harry R., assignor.)
General Electric Company. (See Elder, Thomas A., assignor.)
General Electric Company. (See Hutchings, John H., assignor.)
General Electric Company. (See Klutke, Fritz, assignor.)
General Electric Company. (See Krämer, Werner, assignor.)
General Electric Company. (See Libman, Earl E., assignor.)
General Electric Company. (See Schwabacher, Gerhard P., assignor.)
General Electric Company. (See Schwartz, R. D., Moe, and Hartley, assignors.)
General Electric Company. (See Steenstrup, Christian, assignor.)
General Electric Company. (See Traver, Oliver C., assignor.)
General Electric Company. (See Weeks, Walter R., assignor.)
General Electric Company Limited, The. (See Smart, Norman C., assignor.)
General Motors Corporation. (See Boles, Chalmers B., assignor.)
General Motors Corporation. (See McCormack, Alex A., assignor.)
General Motors Corporation. (See Weiher, George F., assignor.)
General Porcelain Enameling & Manufacturing Company. (See Powell, Lawrence J., assignor.)

George, Roscoe H., and H. J. Heim, West Lafayette, Ind., assignors to Radio Corporation of America. Amplifier system. 2,137,278; Nov. 22.
George, Ross F., Seattle, Wash. Adjustable feeder for pens. 2,137,449; Nov. 22.
Getz, Emil L. (See Anderson, E. N., Getz, and Ulrich.)
Gies, Heinrich, assignor to Bremer Woll-Kammerei, Blumenthal (Unterweser), Germany. Method of and apparatus for preparing slivers. 2,137,908; Nov. 22.
Gil, Joseph V., Esher, England. Facilitating starting of internal combustion engines. 2,137,482; Nov. 22.
Gillard, Frank G., Ilford, assignor to Electric & Musical Industries Limited, Middlesex, England. Control and position indicator for rotatable elements. 2,137,684; Nov. 22.
Gillen, Daniel A., Flushing, N. Y. Double manual and automatic shut-off valve. 2,137,685; Nov. 22.
Gillespie, Jayson E., Lincoln, Nebr. Vehicle wheel tire. 2,137,670; Nov. 22.
Gillett, William, Detroit, Mich. Building assembly and cant strip. 2,137,889; Nov. 22.
Gilmore, Otto C., Van Nuys, Calif., assignor, by mesne assignments, to Cosmocolor Corporation, New York, N. Y. Camera attachment. 2,137,570; Nov. 22.
Gilmore, William E., Detroit, Mich., assignor of one-third to S. H. Lilly, Toledo, Ohio. Storage and delivery apparatus. 2,137,822; Nov. 22.
Ginn, Earl, North Muskegon, assignor to Continental Motors Corporation, Detroit, Mich. Intake manifold. 2,137,802; Nov. 22.
Gladstone, Newton A., Forest Hills, N. Y. Grip strip for pants and other garments. 2,137,396; Nov. 22.
Glauber, John J., assignor to Arcturus Development Company, Newark, N. J. Thermionic tube construction. 2,137,571; Nov. 22.
Glover, John L. R., et al. (See Sinitzin-White, Nicholas, assignor.)
Glynn, Guilford C., Cleveland, Ohio. Water softening device. 2,137,755; Nov. 22.
Goecke, Rudolph F., Elyria, Ohio, assignor to The Pfaudler Co., Rochester, N. Y. Closure. 2,137,483; Nov. 22.
Goldberg, David D., Springfield, assignor to Automatic Cone Valve Company, Indian Orchard, Mass. Valve control mechanism. 2,137,874; Nov. 22.
Goodman, Dewey H., Iowa Park, Tex. Chain drill. 2,137,940; Nov. 22.
Goodman Manufacturing Company. (See McCullough, William T., assignor.)
Goodwin, Leon E., North Amity, Maine. Ice-fishing tip-up. 2,137,771; Nov. 22.
Gosmann, Walther, Dortmund, Germany. Apparatus for producing foam for fire extinguishing purposes. 2,137,338; Nov. 22.
Gould, Charles T., and H. M. Bonney, Walpole, Mass. Insulating pad and the like and making same. 2,137,756; Nov. 22.
Gould, Charles T., and H. M. Bonney, Walpole, Mass. Attachment for stitch forming mechanisms of sewing machines. 2,137,757; Nov. 22.
Government of the United States of America. (See Dunmore, Francis W., assignor.)
Graham, George M., Detroit, assignor to Hinckley-Myers Company, Jackson, Mich. Connecting rod aligner. 2,137,484; Nov. 22.
Graves, Edward B., South Euclid, assignor to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio. X-ray apparatus. 2,137,647; Nov. 22.
Graves, George D. (See Dorough, G. L., and Graves.)
Gray, Russell J., Minneapolis, Minn. Lubricant dispenser. 2,137,740; Nov. 22.
Gray, Weston A., Cape Elizabeth, and L. T. Stover, Portland, Maine. Signaling system and apparatus for same. 2,137,719; Nov. 22.
Great Western Stove Company. (See Willson, Hiram R., assignor.)
Green, Albert A., Bridgeport, assignor to United Aircraft Corporation, East Hartford, Conn. Antenna fair-lead. 2,137,450; Nov. 22.
Greenfield, William R., assignor to Kellogg Corset Company, Jackson, Mich. Health belt or corset. 2,137,838; Nov. 22.
Greenleaf, Robert M., and P. C. Palmer, Los Angeles, Calif., assignors to said R. M. Greenleaf. Wheel alignment apparatus. 2,137,485; Nov. 22.
Grgich, Velemir, Columbus, Ohio. Chain-link joint weld ironer. 2,137,648; Nov. 22.
Griffith, Alan A. (See Helmore, W., and Griffith.)
Gringer, Rose. (See Davey, John E., assignor.)
Grimes, Hermon L., Detroit, Mich. Airplane. 2,137,486; Nov. 22.
Guyer, Jesse A. (See Arthurs, D. C., and Guyer.)
Gwaltney, Eugene C., assignor to Bibb Manufacturing Company, Macon, Ga. Manufacturing rubber impregnated fabric and the product thereof. 2,137,339; Nov. 22.
Habgood, Bernard J., Blackley, Manchester, England, assignor to Imperial Chemical Industries, Limited. New rubber article and material and the manufacture thereof. 2,137,686; Nov. 22.
Haffner, Felix, Tubingen, and F. Sommer, Berlin, assignors to the firm Chemische Fabrik Grünau, Landshoff & Meyer, A. G., Berlin-Grunau, Germany. Manufacture of phthalic di-diethylamide. 2,137,279; Nov. 22.
Hagedorn, Gerhard, Berlin-Halensee, assignor to B. Berghaus, Berlin-Lankwitz, Germany. Double spot welding. 2,137,909; Nov. 22.
Haggerty, Patrick, et al. (See La Londe, Moses, assignor.)
Halseman, James F., Martinsville, Ind. Aerating device for minnow buckets. 2,137,397; Nov. 22.
Hall, Edwin S., New Haven, Conn. Bearing. 2,137,487; Nov. 22.
Hambrook, George W., Oak Park, assignor to Clarin Mfg. Co., Chicago, Ill. Chair tip and fastener therefor. 2,137,803; Nov. 22.
Hanna, Horace W., assignor of one-half to K. Malik, New York, N. Y. Amusement device. 2,137,839; Nov. 22.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Oscillation generator. 2,137,687; Nov. 22.
Hansgirg, Fritz. (See Erdmann, K., Hansgirg, and Schichtel.)
Harding, George W., Baltimore, Md. Fan. 2,137,671; Nov. 22.
Harding, Robert, Jr. (See Hopkins, Harry S., assignor.)
Hardwick, Fred C., et al. (See Strassman, Otto A., assignor.)
Hardwicke-Etter Company. (See Streun, John A., assignor.)
Harmon, Kenneth A., Longmeadow, assignor to Wico Electric Company, West Springfield, Mass. Magneto. 2,137,875; Nov. 22.
Hartley, Lowell J. (See Schwartz, R. D., Moe, and Hartley.)
Hartmann, Fritz, Dortmund, Germany. High temperature thermocouple. 2,137,280; Nov. 22.
Harvey, Leo M., Los Angeles, Calif. Towel dispenser. 2,137,488; Nov. 22.
Harvey, Leo M., Los Angeles, Calif. Paper towel dispensing device. 2,137,489; Nov. 22.
Harvey, Leo M., Los Angeles, Calif. Paper dispensing device. 2,137,490; Nov. 22.
Harz, Walter. (See Schieber, W., and Harz.)
Hathaway, Edward R. (See Lundberg, E. E., Doty, and Hathaway.)
Hautala, Waino E., Ironwood, Mich. Pneumatic tire. 2,137,910; Nov. 22.
Hayes, Neil G., Bridgeport, Conn. Ground clamp. 2,137,840; Nov. 22.
Hazeltine Corporation. (See Case, Nelson P., assignor.)
Hazeltine Corporation. (See Wheeler, Harold A., assignor.)
Hebor, John J., Euclid, Ohio, assignor to Niles-Bement-Pont Company, Hartford, Conn. Tap. 2,137,340; Nov. 22.
Heiland, Carl A., Golden, assignor to Heiland Research Corporation, Denver, Colo. Gravimeter. 2,137,963; Nov. 22.
Heiland Research Corporation. (See Heiland, Carl A., assignor.)
Heim, Howard J. (See George, R. H., and Heim.)
Helber, Eva J., assignor to Brooks Paper Company, St. Louis, Mo. Package. 2,137,398; Nov. 22.
Helmore, William, Cambridge, and A. A. Griffith, South Farnborough, England. Internal combustion engine. 2,137,941; Nov. 22.
Hempel, Charles H., Manitowoc, Wis., assignor to Heresite & Chemical Company. Adherent aluminum compound. 2,137,988; Nov. 22.
Henriksen, Alfred. (See Lincoln, B. H., Steiner, and Henriksen.)
Hensel, Franz R., and E. I. Larsen, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Copper alloys. 2,137,281; Nov. 22.
Hensel, Franz R., and E. I. Larsen, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Copper alloys. 2,137,282; Nov. 22.
Hensel, Franz R., and E. L. Larsen, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Copper alloys. 2,137,283; Nov. 22.
Hensel, Franz R., and E. I. Larsen, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Copper alloys. 2,137,284; Nov. 22.
Hensel, Franz R., and E. I. Larsen, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Copper alloys. 2,137,285; Nov. 22.
Herbig, Henry F., assignor to Signaphone Corporation of America, New York, N. Y. Reflector. 2,137,286; Nov. 22.
Hercules Powder Company. (See Littmann, Edwin R., assignor.)
Hercules Powder Company. (See Ott, Emil, assignor.)
Heresite & Chemical Company. (See Hempel, Charles H., assignor.)
Herout, Henry. (See Rumore, Joseph A., assignor.)
Hetler, Willard R., Edgewater, N. J., assignor to Aluminum Company of America, Pittsburgh, Pa. Gauge control apparatus. 2,137,611; Nov. 22.
Heuser, Herman, Evanston, Ill. Liquid egg and making same. 2,137,758; Nov. 22.
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Train brake equipment. 2,137,228; Nov. 22.
Heyman, Wilbert A., New York, N. Y. Article made from perforated cellulose sheets. 2,137,243; Nov. 22.
Higbie, Vinton, Paterson, and R. W. Young, Maywood, N. J., assignors to Wright Aeronautical Corporation. Aircraft engine intercooler. 2,137,399; Nov. 22.

Higgins, William J. (See Bradt, C. H., and Higgins.)
Higson, Percy R., Sidcup, assignor to Vickers-Armstrong Limited, Westminster, England. Machine gun and automatic small arms. 2,137,612; Nov. 22.
Hilbert, Otto F., assignor to Artloom Corporation, Philadelphia, Pa. Warp printing apparatus. 2,137,741; Nov. 22.
Hill, Earl G., and W. A. Seem, Forty Fort, Pa.; said Hill assignor to said Seem. Device for cleaning strand material. 2,137,613; Nov. 22.
Hill, Henry C., Paterson, and A. Landauer, Ridgewood, N. J., assignors to Wright Aeronautical Corporation. Crankcase scavenging scoop. 2,137,400; Nov. 22.
Hillbom, Tor O., Karlshall, Lulea, Sweden. Apparatus for barking wood. 2,137,451; Nov. 22.
Hillbom, Tor O., Karlshall, Lulea, Sweden. Apparatus for barking wood. 2,137,452; Nov. 22.
Hilliard, William J., St. Clair, Mo. Compressor and similar device. 2,137,649; Nov. 22.
Hinckley-Myers Company. (See Graham, George M., assignor.)
Hingle, James A., assignor, by mesne assignments, of two-thirds to J. R. Phillips, and one-third to J. P. Westmoreland, Houston, Tex. Fishing float. 2,137,341; Nov. 22.
Hinkle, Hutchinson S., Bethany, assignor to National Folding Box Company, New Haven, Conn. Container. 2,137,614; Nov. 22.
Hobbie, Ernst, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Electrical control device. 2,137,401; Nov. 22.
Hoe, R., & Co. (See Mills, T. J., and Quick, assignors.)
Hofco Pump, Ltd. (See Hoferer, D. W., and Adams, assignors.)
Hoferer, Daniel W., and E. T. Adams, assignors to Hofco Pump, Ltd., Long Beach, Calif. Pump valve construction. 2,137,402; Nov. 22.
Hoferer, Daniel W., Long Beach, Calif. Pump. 2,137,403; Nov. 22.
Hoffman, Rose, Hartford, Conn. Garment marker. 2,137,244; Nov. 22.
Hojnowski, Jakob, Nekoosa, Wis. Railway spike. 2,137,688; Nov. 22.
Hollerer, Hanns, Munich, assignor to Dr. Alexander Wacker Gesellschaft für Elektrochemische Industrie, G. m. b. H., Munich, Bavaria, Germany. Drying process. 2,137,404; Nov. 22.
Hooven Automatic Typewriter Company. (See Nelson, C. B., and Lindell, assignors.)
Hopff, Heinrich, and H. Ohlinger, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Diamides of organic dicarboxylic acids and producing same. 2,137,287; Nov. 22.
Hopkins, Edwin F., Laurel, Miss., dedicated to the free use of the People of the United States. Treatment and dehydration of fleshy plant materials. 2,137,890; Nov. 22.
Hopkins, Harry Stephen, Elmsford, assignor of one-half to Robert Harding, Jr., New York, N. Y. Amusement apparatus. 2,137,976; Nov. 22.
Horn and Hardart Baking Co. (See Cunningham, James W., assignor.)
Horn, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Vehicle wheel. 2,137,288; Nov. 22.
Hotchner, Fred, Los Angeles, Calif. Animated sign. 2,137,289; Nov. 22.
Huber, Sylvester, assignor to the firm Carl Zeiss, Jena, Germany. Photographic objective. 2,137,615; Nov. 22.
Huckstep, Harry G. and L. T., Pendleton, Oreg. Folding window. 2,137,290; Nov. 22.
Huckstep, La Rone T. (See Huckstep, Harry G. and L. T.)
Hudson, Finn S., Kansas City, Mo. Wallpaper remover. 2,137,876; Nov. 22.
Huff, William L., Decatur, Ill. Cartridge magazine latch for pistols. 2,137,491; Nov. 22.
Hultgren, Paul, assignor to Illinois Engineering Company, Chicago, Ill. Nipple orifice. 2,137,804; Nov. 22.
Hunn, James V., Chicago, Ill., assignor to The Sherwin-Williams Company, Cleveland, Ohio. Synthetic resin and making the same. 2,137,616; Nov. 22.
Hunt, William H., National City, assignor to Fish Machinery Corporation, San Diego, Calif. Preparing fish for filleting. 2,137,291; Nov. 22.
Hutchings, John H., Scotia, N. Y., assignor to General Electric Company. Electric discharge device. 2,137,841; Nov. 22.
Hydraulic Press Corporation, The. (See Ernst, Walter, assignor.)
Hyman, Julius, assignor to Velsicol Corporation, Chicago, Ill. Polymerizing unsaturated hydrocarbons containing diolefines. 2,137,492; Nov. 22.
I. G. Farbenindustrie Aktiengesellschaft. (See Baehr, H., Mengdehl, and Wenzel, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Bayer, O., and Nelles, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Nuesslein, J., and von Klenck, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schieber, W., and Harz, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Ulrich, H., and Ploetz, assignors.)
Illinois Engineering Company. (See Hultgren, Paul, assignor.)
Imes, Robert H., and H. F. Fruth, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electrical contact and making the same. 2,137,617; Nov. 22.
Imperial Chemical Industries Limited. (See Habgood, Bernard J., assignor.)
Imperial Chemical Industries Limited. (See Vigers, B. E. A., and McCowen, assignors.)
Indge, Herbert S. (See Dunbar, H. W., and Indge.)
Industrial Chemical Research Company. (See Eipper, William R., assignor.)
Industrial Patents Corporation. (See Ashton, Ernest W., assignor.)
Industrial Patents Corporation. (See McKee, Harry H., assignor.)
Industrial Patents Corporation. (See Phelps, G. W., Bradley, and Pierle, assignors.)
Industrial Patents Corporation. (See Sadoff, Bernard J., assignor.)
Industrial Patents Corporation. (See Walter, Charles T., assignor.)
Ingersoll-Rand Company. (See Terry, Edward F., assignor.)
Ingraham, Joseph H. (See Wilson, R. M., and Ingraham.)
Innocenti, Ferdinando, Rome, Italy. Wall fastener. 2,137,911; Nov. 22.
International Folding Paper Box Co. (See Soybel, Meyer M., assignor.)
International Standard Electric Corporation. (See Clokey, A. A., and Vernam, assignors.)
Jack, Edward M., assignor to Union Hardware Company, Torrington, Conn. Hacksaw. 2,137,742; Nov. 22.
Jackson, Corwill, Ludington, Mich. Ballast working implement. 2,137,842; Nov. 22.
Jackson, Ruth, Dallas, Tex. Luminous sign. 2,137,292; Nov. 22.
Jacobsson, Wilgot J. (See Geibig, F. C., and Jacobsson.)
Jakosky, John J., Los Angeles, Calif. Apparatus for electrical exploration of subsurface. 2,137,650; Nov. 22.
Jeffcock, John P., Surbiton, England. Radio direction finding system. 2,137,912; Nov. 22.
Jeffrey Manufacturing Company, The. (See Francis, Earle V., assignor.)
Jennings, John J., Bakersfield, Calif. Apparatus for determining specific gravity. 2,137,843; Nov. 22.
Jensen, Louis, assignor to United Autographic Register Co., Chicago, Ill. Autographic register. 2,137,772; Nov. 22.
Jirou, Marcel G. (See Mirocourt, H., and Jirou.)
Johns, George M., St. Louis, Mo. Gem cutting machine. 2,137,405; Nov. 22.
Johns-Manville Corporation. (See Pretot, Armand V., assignor.)
Johnson, Austin C., and T. M. Wroble, Chicago, Ill. Time stamp. 2,137,493; Nov. 22.
Johnson, Clifford E., Knoxville, Tenn. Dynamometer. 2,137,530; Nov. 22.
Johnson, Edward T., assignor to The New England Box Company, Greenfield, Mass. Typewriter box. 2,137,293; Nov. 22.
Johnson, John A., assignor to Puritan Engineering Corp., Crawfordsville, Ind. Water softener valve. 2,137,406; Nov. 22.
Jolly, Samuel E., and W. M. McKee, deceased, Bortondale, by A. K. McKee, administratrix, Media, assignors to Sun Oil Company, Philadelphia, Pa. Grease and making the same. 2,137,494; Nov. 22.
Jones, Horry M., Chicago, Ill. Measuring apparatus. 2,137,773; Nov. 22.
Jones, Jesse E., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Motor control system. 2,137,721; Nov. 22.
Jones, John T., Milton, Pa. Warp beam for looms. 2,137,572; Nov. 22.
Jones, Oliver, Newark, N. J. Pivoted leg structure. 2,137,720; Nov. 22.
Jones, Wallace T., and L. Dotzer, assignors to Rockwood & Co., Brooklyn, N. Y. Manufacture of chocolate. 2,137,294; Nov. 22.
Jones, Walter I., Arlington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastening device for pocketbooks and the like. 2,137,531; Nov. 22.
Jones, Walter I., Arlington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Grille fastener and installation of the same. 2,137,532; Nov. 22.
Jorgensen, James P., Beloit, Wis. Attachment for skates. 2,137,637; Nov. 22.
Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft. (See Steudel, H., and Wiechell, assignors.)
Junkunc, John, Chicago, Ill. Can sealing apparatus. 2,137,245; Nov. 22.
Jurist, Alfred E. (See Christiansen, W. G., and Jurist.)
Kamenarović, Leone, assignor to Fabbrica Italiana Magneti Marelli Società Anonima, Milan, Italy. Screw and nut device. 2,137,573; Nov. 22.
Karelitz, George B., New York, N. Y. Governor. 2,137,689; Nov. 22.
Kattwinkel, Hans, Radebeul, Germany. Laminated disk clutch. 2,137,977; Nov. 22.

Kearney, James R., Corporation. (See Crump, Lindell L., assignor.)
Keelmo Co. (See Siebert, John A., assignor.)
Kelco Company. (See Kleerup, Alex, assignor.)
Keller, Fred. (See Nock, J. A., Jr., and Keller.)
Kelley, James B., and W. P. Schmitter, assignors to The Falk Corporation, Milwaukee, Wis. Coupling. 2,137,964; Nov. 22.
Kellogg Corset Company. (See Greenfield, William R., assignor.)
Kenmar Manufacturing Company. (See Olschlager, H. L., and Ellis, assignors.)
Keough, Zachariah E., Mansfield, Ohio. Safety landing device for airplanes. 2,137,672; Nov. 22.
Kershaw, Arthur G., King's Cross, London, England, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure indicating device. 2,137,495; Nov. 22.
Kershaw, John G., Drummondville, assignor to Dominion Textile Company Limited, Moutreal, Quebec, Canada. Single process scutcher or picker with hopper feeder. 2,137,774; Nov. 22.
Ketchsel, Paul A., West Englewood, N. J., assignor, by mesne assignments, to The Standard Stoker Company, Inc., (1922). Blast feed stoker. 2,137,844; Nov. 22.
Kilmer, Clarence T. (See Pattey, Joseph M., assignor.)
Kind, Oscar, Rodenkirchen-on-the-Rhine, Germany. Securing and carrying means for packages. 2,137,913; Nov. 22.
King, James F., assignor of one-fourth to W. W. Shepherd and one-fourth to G. Bale, Little Rock, Ark. Automobile bumper. 2,137,914; Nov. 22.
King, Reginald W., Dorchester, Boston, Mass. Self-indicating plug fuse. 2,137,342; Nov. 22.
Kingan & Co. (See Wegehoft, Chris F., assignor.)
Kinnard, Dudley H., London, and H. F. Ford, Wallington, assignors to "T. I. M." (Ticket-Issue Machines) Limited, London, England. Ticket printing and issuing machine. 2,137,915; Nov. 22.
Kirby, James B., West Richfield, assignor, by mesne assignments, to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Laundry machine and method. 2,137,775; Nov. 22.
Klaar, Albert, assignor to Anker Werke A.-G., Bielefeld, Germany. Blocking device for cash registers, bookkeeping machines, or the like. 2,137,845; Nov. 22.
Kleerup, Alex, Flushing, N. Y., assignor to Kelco Company, San Diego, Calif. Manufacture of alginated whipped cream and product. 2,137,916; Nov. 22.
Klein, Felix, Brunn, Mahren, Czechoslovakia. Waste fitting for baths and the like. 2,137,496; Nov. 22.
Klutke, Fritz, Berlin-Johannisthal, Germany, assignor to General Electric Company. Measuring instrument for alternating current circuits. 2,137,846; Nov. 22.
Knapp, Percy V., A. I. Senior, M. McNabb, and E. H. T. Bensemann, Motueka, New Zealand. Oil burner. 2,137,673; Nov. 22.
Knudsen, Frederick K. (See Craven, H. E., Jr., and Knudsen.)
Koeberle, Karl, Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Nitrogenous condensation products and producing same. 2,137,295; Nov. 22.
Koppers Company. (See Barr, Walter A., assignor.)
Koppers Company. (See Koppers, Heinrich, assignor.)
Koppers Company. (See Schellenburg, Ernst, assignor.)
Koppers Company. (See von der Emde, Wilhelm, assignor.)
Koppers, Heinrich, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Distilling apparatus for high-boiling liquids, such as coal tar. 2,137,722; Nov. 22.
Koppers, Heinrich, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Apparatus for the continuous production of water gas. 2,137,723; Nov. 22.
Köster, Paul E., Berlin-Siemensstadt, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany. Attitude control means for aircraft. 2,137,942; Nov. 22.
Krämer, Werner, Berlin-Karlshorst, Germany, assignor to General Electric Company. Voltage regulator control. 2,137,877; Nov. 22.
Krämer, Werner, Berlin-Karlshorst, Germany, assignor to General Electric Company. Direct-current measuring means. 2,137,878; Nov. 22.
Krimmel, Albert H., Denver, Colo. Fishing leader reel. 2,137,618; Nov. 22.
Kromer, Emanuel, Spokane, Wash. Motor fuel saving apparatus. 2,137,574; Nov. 22.
Kropf, Henry W., assignor to Brickner-Kropf Machine Company, Muskegon Heights, Mich. Grinding wheel dresser. 2,137,690; Nov. 22.
Ksoll, Joseph, Breslau, Germany. Supporting surface for flying machines. 2,137,879; Nov. 22.
Kueffer, E. H. (See Trautner, W., and Metcalf, assignors.)
L. & L. Linings Inc. et al. (See Skora, Hyman, assignor.)
Laciede Steel Company. (See Friberg, Bengt F., assignor.)
La Londe, Moses, Springfield, Mass., deceased; C. V. Ryan, Jr., administrator; assignor of five-sixteenths to P. Haggerty, five-sixteenths to J. J. Bannon, and five-sixteenths to H. Bradt, Brake. 2,137,991; Nov. 22.
Landauer, Arthur. (See Hill, H. C., and Landauer.)
Landis & Gyr, A.-G. (See Pudelko, Richard, assignor.)
Landsman, Mary D., Chicago, Ill. Garment form. 2,137,691; Nov. 22.
La Plant Choate Manufacturing Company. (See Austin, Ellsworth W., assignor.)
Larrabee, Marshal H., Skaneateles, N. Y. Sound producing device or rattle. 2,137,651; Nov. 22.
Larsen, Earl I. (See Hensel, F. R., and Larsen.)
Lauer, Léon N., Clichy, France, assignor to Bendix Products Corporation, South Bend, Ind. Servo-clutch operating mechanism. 2,137,533; Nov. 22.
Lazier, Wilbur A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic hydrogenation process. 2,137,407; Nov. 22.
Lectrolite Corporation. (See Schlosser, Harold L., assignor.)
Lee, Clarence O., Port Sulphur, La., assignor, by mesne assignments, to Freeport Sulphur Company. Process and apparatus for mining sulphur. 2,137,619; Nov. 22.
Lee, Haifdan, executor. (See Lee, Leif.)
Lee, Leif, deceased, Youngstown, Ohio; H. Lee, executor. Apparatus for feeding metal sheets. 2,137,453; Nov. 22.
Leeds, Winthrop M. (See Dickinson, R. C., and Leeds.)
Lemonier, Camille R. (See Trimbach, C. G., and Lemonier.)
Lensky, George A. (See Streckfuss, E. G., and Lensky.)
Lester, Nathan, Shaker Heights, and L. A. Becker, Lakewood, assignors to T. F. Dolan, Shaker Heights, Ohio. Cellophane dispensing machine. 2,137,724; Nov. 22.
Leupold, Marcus, Portland, Oreg. Hand level. 2,137,776; Nov. 22.
Lewis, Charles H. (See Urbain, O. M., and Stemen, assignors.)
Lewis, Robert R., Baldwin, assignor to Vulcan Proofing Company, New York, N. Y. Transfer device. 2,137,725; Nov. 22.
Libman, Earl E., Schenectady, N. Y., assignor to General Electric Company. Steering moving craft. 2,137,847; Nov. 22.
Lill, Friedrich, Vienna, Austria, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Telephone system. 2,137,408; Nov. 22.
Lilly, Scott H. (See Gilmore, William E., assignor.)
Lilly Varnish Company. (See Baffa, Michael, assignor.)
Lincoln, Bert H., W. L. Steiner, and A. Henriksen, deceased, by J. W. Wolfe, administrator de bonis non, Ponca City, Okla., assignors to The Lubri-Zol Development Corporation, Cleveland, Ohio. Lubricant and method of lubrication. 2,137,777; Nov. 22.
Lincoln, John S., assignor of one-half to E. C. Gage, Des Moines, Iowa. Dancing doll. 2,137,575; Nov. 22.
Lindell, Bertil. (See Nelson, C. B., and Lindell.)
Link Belt Company. (See Tark, Marcus B., assignor.)
Linke, Paul A., Summit, N. J., assignor to United States Rubber Products, Inc., New York, N. Y. Elastic yarn having cover knitted upon the core. 2,137,692; Nov. 22.
Lintern Corporation. (See Lintern, John B., assignor.)
Lintern, John B., Berea, assignor to The Lintern Corporation, Cleveland, Ohio. Sanding device for vehicles. 2,137,917; Nov. 22.
Litsey, Doris, Dallas, Tex. Embroidering attachment. 2,137,454; Nov. 22.
Littmann, Edwin R., assignor to Hercules Powder Co., Wilmington, Del. Treatment of abietyl compounds and products produced thereby. 2,137,576; Nov. 22.
Lobelle, Marcel J. O., Langley, and E. Voss, assignors to The Fairey Aviation Company, Limited, Hayes, England. Mounting for guns and the like. 2,137,577; Nov. 22.
Lockett, Ralph G., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric motor control. 2,137,534; Nov. 22.
Lodetti, Angelo, Milan, assignor of seventy percent to B. Negrini and A. Sbarberi, Bologna, Italy. Connecting means for rails. 2,137,918; Nov. 22.
Loesser, Ernest W., Short Hills, N. J. Low water control for steam boilers. 2,137,880; Nov. 22.
Lomax, Clarence E. (See Martin, T. G., and Lomax.)
Lomax, Clarence E., Oak Park, and J. H. Voss, Downers Grove, assignors to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,137,497; Nov. 22.
Lorenz, C., Aktiengesellschaft. (See Eulenhöfer, Adolf, assignor.)
Lorenz, C., Aktiengesellschaft. (See Gaebel, Alfred, assignor.)
Lorenz, C., Aktiengesellschaft. (See Schulze-Herringen, Erich, assignor.)
Lorenz, Charles H., New Hartford, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Electric circuit controlling apparatus. 2,137,919; Nov. 22.
Lorraine, Sarah R. (See Young, Fred M., assignor.)
Louden Machinery Company, The. (See McCain, Philip L., assignor.)
Lowe, George W., Los Angeles, Calif. Truss. 2,137,578; Nov. 22.
Lubri-Zol Development Corporation, The. (See Lincoln, B. H., Steiner, and Henriksen, assignors.)
Lubri-Zol Development Corporation, The. (See Prutton, C. F., and Smith, assignors.)

Ludwig, Marvin L., Dola, Ohio. Corn shocker attachment for binders. 2,137,943; Nov. 22.
Lundberg, Everett E., assignor to Briggs Manufacturing Company, Detroit, Mich. Fastener device. 2,137,653; Nov. 22.
Lundberg, Everett E., C. B. Doty, and E. R. Hathaway, assignors to Briggs Manufacturing Company, Detroit, Mich. Fastener device. 2,137,652; Nov. 22.
Lundholm, Ragnar O., Djursholms Ekeby, and H. Spanne, Sundbyberg, assignors to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Alternating current power circuit. 2,137,579; Nov. 22.
Lundt, Ernest C., Bloomfield, N. J., assignor, by mesne assignments, to American Radiator Company, New York, N. Y. Heating furnace. 2,137,693; Nov. 22.
Macbeth, Colin, Birmingham, England. Automobile chassis. 2,137,848; Nov. 22.
MacDonald, William W. (See Cirac, C. P., Cooper, and MacDonald.)
MacIntire, Walter H., Knoxville, Tenn. Making double or treble calcium and magnesium superphosphate.) 2,137,674; Nov. 22.
MacIntire, Walter H., Knoxville, Tenn., assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo. Obtaining MgO and $CaCO_3$ from dolomitic materials. 2,137,675; Nov. 22.
MacLean, Clyde T., assignor to Motor Products Corporation, Detroit, Mich. Polishing machine. 2,137,535; Nov. 22.
MacLeod, Malcolm J., Brookline, Mass. Floor waxing implement. 2,137,944; Nov. 22.
Macready, George A., Los Angeles, Calif. Well fluid sampler. 2,137,296; Nov. 22.
Mahoning Mining Company. (See Abbott, F. C., Cooke, and Anderson, assignors.)
Makins, Thomas C., assignor to Ruston & Hornsby, Limited, Lincoln, England. Fuel injector or atomizer for internal combustion engines. 2,137,473; Nov. 22.
Malik, Kathie. (See Hanna, Horace W., assignor.)
Mallory, P. R., & Co. (See Hensel, F. R., and Larsen, assignors.)
Mallory, P. R., & Co. (See Imes, R. H., and Fruth, assignors.)
Manickas, Peter, Pawtucket, R. I. Bracelet clasp. 2,137,920; Nov. 22.
Maniscalco, Pietro, Toledo, Ohio. Internal combustion engine. 2,137,455; Nov. 22.
Manning, Maxwell & Moore, Inc. (See Schramm, Christopher H., assignor.)
Mantle Lamp Company of America, The. (See Whipple, Allen D., assignor.)
Margulies, Samuel, New York, N. Y. Adjustable reflector. 2,137,881; Nov. 22.
Marsh, August, Newark, N. J. Doll. 2,137,371; Nov. 22.
Marsh, Harry E., New Philadelphia, Pa., assignor to Marsh Wall Products, Inc., Dover, Ohio. Scored wallboard. 2,137,896; Nov. 22.
Marsh Wall Products, Inc. (See Marsh, Harry E., assignor.)
Martin, David, Pittsburgh, Pa. Building wall structure. 2,137,759; Nov. 22.
Martin, James A., assignor of one-half to E. Flowers, Laurel, Miss. Bottle heater. 2,137,676; Nov. 22.
Martin, Talbot G., Chicago, and C. E. Lomax, Oak Park, assignors to Associated Electric Laboratories, Inc., Chicago, Ill. Substation telephone circuit. 2,137,409; Nov. 22.
Martius, Frederick T., Omaha, Nebr. Preserving adobe and other porous material. 2,137,247; Nov. 22.
Master Electric Company. (See Phelps, Clyde H., assignor.)
Mathesius, Walther, Berlin-Nikolassee, Germany. Producing titanium steel. 2,137,945; Nov. 22.
Matthews, Fred D., Albertville, Ala. Electric motor and support therefor. 2,137,921; Nov. 22.
Mattingley, Fred. (See Smith, E. W., Dean, and Mattingley.)
Maxwell, Robert W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical process. 2,137,343; Nov. 22.
Mayer, Willi F., Chicago, Ill. Beer coil apparatus. 2,137,297; Nov. 22.
McCain, Philip L., Pittsburgh, Pa., assignor to The Louden Machinery Company, Fairfield, Iowa. Shielding for electrical conductors. 2,137,694; Nov. 22.
McCarthy, Edward J., Newton, assignor to The Gamewell Company, Newton Upper Falls, Mass. Direct current signaling system. 2,137,760; Nov. 22.
McCarthy, John J., Malden, Mass. Directional intake control for internal combustion engines. 2,137,344; Nov. 22.
McConkey, Montgomery W. (See Sanford, R. S., and McConkey.)
McConnell, John L., Chicago, Ill. Electric lamp socket strip and wire housing. 2,137,536; Nov. 22.
McCormack, Alex A., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,137,761; Nov. 22.
McCowen, John L. (See Vigers, B. E. A., and McCowen.)
McCoy, Charles F., Pennington, assignor to Trenton Spring Products Company, Trenton, N. J. Proportional resistance spring structure. 2,137,298; Nov. 22.
McCullough, William T., assignor to Goodman Manufacturing Company, Chicago, Ill. Planetary geared reduction device. 2,137,778; Nov. 22.
McCutcheon, Ridgie B., Fayetteville, W. Va. Amusement apparatus. 2,137,345; Nov. 22.
McFarlane, Edwin C., Pearl River, N. Y. Plug valve. 2,137,248; Nov. 22.
McIntosh, Roy E., assignor to Star Expansion Bolt Company, New York, N. Y. Die casting and assembling expansion shields or anchors. 2,137,537; Nov. 22.
McIntosh, Roy E., assignor to Star Expansion Bolt Company, New York, N. Y. Die casting and assembling expansion shields. 2,137,538; Nov. 22.
McIntosh, Roy E., assignor to Star Expansion Bolt Company, New York, N. Y. Apparatus for die casting articles. 2,137,539; Nov. 22.
McKee, Anna K., administratrix. (See Jolly, S. E., and McKee.)
McKee, Harry H., and F. Seaver, assignors, to Swift and Company, Chicago, Ill. Meat packing method. 2,137,897; Nov. 22.
McKee, Harry H., assignor to Industrial Patents Corporation, Chicago, Ill. Cooking meats. 2,138,898; Nov. 22.
McMurtrie, R. H. (See Weiss, Franz, assignor.)
McNabb, Maxwell. (See Knapp, P. V., Senior, McNabb, and Bensemann.)
Meissner, Frances L., Brooklyn, N. Y. Cream removing device. 2,137,620; Nov. 22.
Mengdehl, Helmut. (See Baehr, H., Mengdehl, and Wenzel.)
Menk, Rudolph W., Joliet, Ill. Warm air furnace. 2,137,474; Nov. 22.
Merolle, Augustus L., assignor to Empire Metal Cap Co., Inc., Brooklyn, N. Y. Receptacle closure. 2,137,695; Nov. 22.
Metcalf, Herbert E. (See Trautner, W., and Metcalf.)
Mikos, George, assignor of one-fourth to W. Chevic, Washington, D. C. Life preserver jacket. 2,137,580; Nov. 22.
Miller, Carroll E., assignor to Cone Automatic Machine Company Inc., Windsor, Vt. Work feeding mechanism. 2,137,849; Nov. 22.
Miller, Carroll E., assignor to Cone Automatic Machine Company, Inc., Windsor, Vt. Spindle for automatic lathes. 2,137,850; Nov. 22.
Miller, Max W., Newport, Ky. Shoe presser. 2,137,946; Nov. 22.
Miller, Pearle N., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,137,726; Nov. 22.
Miller, Walter H., South Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph record resurfacing tool. 2,137,621; Nov. 22.
Mills, Thomas J., and C. G. Quick, London, England, assignors to R. Hoe & Co., Inc., New York, N. Y. Cutting, folding, and stapling mechanism for use with printing machines. 2,137,978; Nov. 22.
Minneapolis-Honeywell Regulator Company. (See Taylor, Daniel G., assignor.)
Minorsky, Nicolai, Paris, France, assignor to Radio Corporation of America. Electron discharge tube system. 2,137,299; Nov. 22.
Mirocourt, Henry, Sotteville-les-Rouen, and M. G. Jirou, Rouen, assignors to Compagnie Nationale de Matières Colorantes et Manufactures de Produits Chimiques du Nord Réunies Etablissements Kuhlmann, Paris, France. Disazo dyestuffs and manufacture. 2,137,498; Nov. 22.
Mischelevich, Benjamin. (See Agnew, N. F., and Mishelevich.)
Mistrett, Joseph, Buffalo, N. Y. Carrier for storage batteries. 2,137,922; Nov. 22.
Mix & Genest Aktiengesellschaft. (See Quarg, Hermann, assignor.)
Mixing Equipment Co. (See Bissell, Everett S., assignor.)
Moe, William W. (See Schwarts, R. D., Moe, and Hartley.)
Moness, Eugene. (See Christiansen, W. G., and Moness.)
Moore, Rockford W., Kansas City, Mo. Hydraulic levelizer for automobiles. 2,137,947; Nov. 22.
Moran, Robert C., Wenonah, and G. S Crandall, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Diesel fuel. 2,137,410; Nov. 22.
Moravec, Richard Z., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Treating mineral oils. 2,137,499; Nov. 22.
Morris, Bert M., Los Angeles, Calif. Pen. 2,137,500; Nov. 22.
Motherwell, Joseph W. (See Baker, H. S., and Motherwell.)
Motor Products Corporation. (See MacLean, Clyde T., assignor.)
Motor Wheel Corporation. (See Horn, Harry J., assignor.)
Motycka, Joseph, South Manchester, Conn., assignor, by mesne assignments, to J. G. De Remel Research Corporation, Union City, N. J. Washing machine. 2,137,540; Nov. 22.
Mountjoy, Garrard, Bayside, Long Island, N. Y., assignor to Radio Corporation of America. Signal selector circuits. 2,137,475; Nov. 22.
Mt. Vernon Car Mfg. Co. (See Arthurs, D. C., and Guyer, assignors.)
Mouradian, Hughes, Philadelphia, Pa. Negative impedance repeater system. 2,137,696; Nov. 22.
Mueller, Max, New York, N. Y. Sound device for fluid boilers. 2,137,805; Nov. 22.

Muffly, Glenn, Richmond, Mich. Refrigerator. 2,137,541; Nov. 22.

Munro, George R., Massapequa, and W. C. Dilg, Hewlett, assignors to Waugh Equipment Company, New York, N. Y. Hand strap. 2,137,622; Nov. 22.

Murphy, Howard J., Greenwood, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Radiator grille fastener. 2,137,542; Nov. 22.

Mussey, Delavan S., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Panel structure. 2,137,623; Nov. 22.

Myers, Frank L., Newark, Ohio, assignor to Owens-Illinois Glass Company. Filter. 2,137,246; Nov. 22.

Myers, Herbert B., Little Rock, Ark. Coin handling mechanism. 2,137,501; Nov. 22.

Myler, William M., Jr., Columbus, assignor to Surface Combustion Corporation, Toledo, Ohio. Heater. 2,137,581; Nov. 22.

N. V. Philips' Gloeilampenfabrieken. (See Alexander, Johan W., assignor.)

N. V. Philips' Gloeilampenfabrieken. (See Van Geel, W. C., and Emmens, assignors.)

National Folding Box Company. (See Hinkle, Hutchinson S., assignor.)

National Standard Company. (See Pierce, Robert C., assignor.)

National Transit Pump & Machine Company. (See Valentine, Warren P., assignor.)

Natoli, Anthony, Elmhurst, N. Y. Musical instrument valve drip cup. 2,137,992; Nov. 22.

Neeson, Charles R., Dayton, Ohio, assignor, by mesne assignments, to Chrysler Corporation, Highland Park, Mich. Compressor. 2,137,965; Nov. 22.

Negrini, Bruno, et al. (See Lodetti, Angelo, assignor.)

Nelles, Johannes. (See Bayer, O., and Nelles.)

Nelson, Christian B., and B. Lindell, Chicago, Ill., assignors to Hooven Automatic Typewriter Company, Hamilton, Ohio. Printing machine. 2,137,851; Nov. 22.

Nelson, Ira I., Boston, Mass. Relief valve. 2,137,882; Nov. 22.

Nelson, Owen F., Detroit, Mich. Seal. 2,137,303; Nov. 22.

Nerwin, Hubert, Dresden-Seidnitz, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Film spool for photographic cameras. 2,137,502; Nov. 22.

New England Box Company, The. (See Johnson, Edward T., assignor.)

Nicolson, Alexander M., assignor to Western Electric Company, Incorporated, New York, N. Y. Piezoelectric oscillating and stress-measuring means. 2,137,852; Nov. 22.

Nightingale, William J., assignor to C. W. Bonbright, as trustee, Flint, Mich. Automobile decking device. 2,137,980; Nov. 22.

Nightingale, William J., Flint Mich., assignor to C. W. Bonbright, trustee. Automobile loading device. 2,137,981; Nov. 22.

Niles-Bement-Pond Company. (See Hebor, John J., assignor.)

Niles-Bement-Pond Company. (See Shaw, Robert D., assignor.)

Niles-Bement-Pond Company. (See Terry, Spencer B., assignor.)

Nixon, Jeddy D., Houston, Tex., assignor, by mesne assignments, of 50 per cent to Wilson Supply Company. Polish rod. 2,137,853; Nov. 22.

Nock, Joseph A., Jr., Tarentum, and F. Keller, New Kensington, assignors to Aluminum Company of America, Pittsburgh, Pa. Stabilizing treatment. 2,137,624; Nov. 22.

Norris, George L. (See Strauss, J., and Norris.)

Norton Company. (See Cole, Raymond A., assignor.)

Norton Company. (See Dunbar, H. W., and Indge, assignors.)

Norton Company. (See Sanford, Banlis, assignor.)

Norvell, Davie W., Greensboro, N. C. Tent. 2,137,625; Nov. 22.

Novak, Joseph M., Wagner, S. Dak. Fly trap. 2,137,582; Nov. 22.

Nuesslein, Joseph, and J. von Klenck, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Purifying raw wool. 2,137,823; Nov. 22.

Obergfell, Herbert F., River Forest, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Switching apparatus. 2,137,503; Nov. 22.

O'Connell, John J., Brooklyn, N. Y. Pickproof lock. 2,137,504; Nov. 22.

Offermanns, Wilhelm, assignor to Schumag Schumacher Metallwerke Aktiengesellschaft für Prazisionsmechanik, Aachen, Germany. Device for guiding the rollers of antifriction bearings. 2,137,346; Nov. 22.

Ohlinger, Helmut. (See Hopff, H., and Ohlinger.)

Olschlager, Henry L., and A. J. Ellis, Columbiana, assignors to The Kenmar Manufacturing Company, East Palestine, Ohio. Furniture base. 2,137,923; Nov. 22.

Olsen, Frederich, East Alton, Ill., assignor to The Cellulose Research Corporation. Impregnating wood chips. 2,137,779; Nov. 22.

Olsson, Johan G., Stockholm, Sweden. Drying various materials and means for carrying out such method. 2,137,347; Nov. 22.

Ordway, Earl P., assignor to Union Steam Pump Company, Battle Creek, Mich. Apparatus for homogenizing liquids. 2,137,854; Nov. 22.

Orvold, Oluf L., St. Paul, Minn. Measuring device. 2,137,583; Nov. 22.

Osborn, Robert R. (See Blaylock, R. C., Bassett, Child, and Osborn.)

Osgood, George H., Tacoma, Wash. Machine for making laminated panels. 2,137,505; Nov. 22.

Osgood, George H., Tacoma, Wash. Machine for making laminated panels. 2,137,506; Nov. 22.

Osnos, Mendel, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electric condenser. 2,137,411; Nov. 22.

Ostby and Barton Company. (See Dixon, Alfred E., assignor.)

Ostline, John E., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Automatic switching apparatus. 2,137,507; Nov. 22.

Ostrander, Charles H., Bloomfield, N. J. Compound to revivify wood. 2,137,948; Nov. 22.

Ott, Emil, Elsmere, assignor to Hercules Powder Company, Wilmington, Del. Production of sulphur-containing high molecular weight compounds and the products thereof. 2,137,584; Nov. 22.

Otwell, Ralph B., Pinckney, Mich. Collapsible plant container. 2,137,855; Nov. 22.

Owens-Illinois Glass Company. (See Myers, Frank L., assignor.)

Packard Motor Car Company. (See Miller, Pearle N., assignor.)

Packard Motor Car Company. (See Tibbetts, Milton, assignor.)

Paige, Arthur E., Philadelphia, Pa. Forming hollow articles electrolytically. 2,137,806; Nov. 22.

Palm Bros. Decalcomania Co., The. (See Palm, Max J., Jr., assignor.)

Palm Bros. Decalcomania Co., The. (See Shields, William H., assignor.)

Palm, Max J., Jr., assignor to The Palm Bros. Decalcomania Co., Cincinnati, Ohio. Convertible color transfer. 2,137,456; Nov. 22.

Palmer, Paul C. (See Greenleaf, R. M., and Palmer.)

Paredes, Walter J., Chicago, Ill., assignor to Arlavox Manufacturing Company. Speaker. 2,137,780; Nov. 22.

Parish, Richard L. (See Wallach, Carl D., assignor.)

Parker Rust-Proof Company. (See Tanner, Robert R., assignor.)

Parkin, Thomas D., Broomfield, near Chelmsford, England, assignor to Radio Corporation of America. Piezoelectric crystal holder. 2,137,304; Nov. 22.

Pattey, Joseph M., assignor of thirty-five per cent to C. T. Kilmer, Poughkeepsie, N. Y. Folding handle. 2,137,457; Nov. 22.

Payne, Frank R., Peru, Ind. Eaves trough hanger. 2,137,781; Nov. 22.

Peak, Robert E., Berlin, Conn. Driveway rake. 2,137,982; Nov. 22.

Pennsylvania Pump and Compressor Company. (See Raymond, Ward, assignor.)

People of the United States, Dedicated to the Free Use of the. (See Hopkins, Edwin F.)

Perazzoli, Henry J., Philadelphia, Pa. Grinding equipment. 2,137,305; Nov. 22.

Perazzoli, Henry J., Philadelphia, Pa. Cutting or grinding equipment. 2,137,306; Nov. 22.

Percival, William S. (See Bowman-Manifold, M., and Percival.)

Peterson, Juel L. (See Smith, C., and Peterson.)

Pfaff, Walter, Berlin-Zehlendorf, assignor to Siemens & Halske Aktiengelesschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Telephone system. 2,137,412; Nov. 22.

Pfandler Co., The. (See Goecke, Rudolph F., assignor.)

Pfiffner, Albert F. (See Piekenbrock, Anthony E., assignor.)

Phelps, Clyde H., Mount Vernon, N. Y., assignor, by mesne assignments, to The Master Electric Company, Dayton, Ohio. Steering wheel supporting device for Testing apparatus. 2,137,949; Nov. 22.

Phelps, Guy W., R. Bradley, and D. C. Pierle, assignors to Industrial Patents Corporation, Chicago, Ill. Treatment of cream. 2,137,899; Nov. 22.

Phelps, Letha L., Spokane, Wash. Pan lifter. 2,137,458; Nov. 22.

Phillips, J. R., et al. (See Hingle, James A., assignor.)

Phillis, William A., assignor to Beaver Pipe Tools, Inc., Warren, Ohio. Pipe working machine. 2,137,762; Nov. 22.

Picker X-Ray Corporation Waite Manufacturing Division, Inc. (See Graves, Edward B., assignor.)

Piekenbrock, Anthony E., Dubuque, Iowa, assignor to A. F. Pfiffner, Chicago, Ill. Shoe construction. 2,137,459; Nov. 22.

Pierce, Paul, assignor to Pierce Wrapping Machine Company, Chicago, Ill. Wrapping machine. 2,137,585; Nov. 22.

Pierce, Paul, assignor to Pierce Wrapping Machine Company, Chicago, Ill. Wrapping machine guide means. 2,137,586; Nov. 22.

Pierce, Robert C., assignor to National Standard Company, Niles, Mich. Manufacture of weather-strip elements. 2,137,697; Nov. 22.

Pierce, Robert C., assignor to National Standard Company, Niles, Mich. Manufacture of resilient springs. 2,137,698; Nov. 22.

Pierce Wrapping Machine Company. (See Pierce, Paul, assignor.)

Pierle, Donald C. (See Phelph, G. W., Bradley, and Pierle.)

Pilkington Brothers Limited. (See Forbes, Lewis J-B., assignors.)

Piron, Emil H., assignor, by mesne assignments, to Transit Research Corporation, New York, N. Y. Journal bearing assembly. 2,137,543; Nov. 22.

Plaistowe, Donald L., East Sheen, England, assignor to Radio Corporation of America. Thermionic amplifier. 2,137,413; Nov. 22.

Ploetz, Ernst. (See Ulrich, H., and Ploetz.)

Poffenberger, Noland, assignor to The Dow Chemical Company, Midland, Mich. Separation of phenols. 2,137,587; Nov. 22.

Polk, Ralph, Jr. (See Polk, Ralph, Sr., and R., Jr.)

Polk, Ralph, Sr., Miami, and R. Jr., Haines City, Fla. Extracting fruit juices. 2,137,414; Nov. 22.

Porcelain Enamel & Manufacturing Company, The of Baltimore. (See Craven, H. E., Jr., and Knudsen, assignors.)

Porcelain Enamel and Manufacturing Company of Baltimore, The. (See Turk, Richard H., assignor.)

Potteiger, Roy V., Rochester, N. Y. Aligner for manifolding sheaves. 2,137,588; Nov. 22.

Powell, Lawrence J., assignor to General Porcelain Enameling & Manufacturing Company, Chicago, Ill. Paneling structure. 2,137,508; Nov. 22.

Preferred Utilities Company. (See Vidalle, Rene M., assignor.)

Pretot, Armand V., New Providence, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Wall assembly. 2,137,677; Nov. 22.

Price, Earl R. (See Price, Harold W. and E. R.)

Price, Edward T., assignor to Cadillac Malleable Iron Company, Cadillac, Mich. Wheeled attachment for motor vehicles. 2,137,699; Nov. 22.

Price, Harold W. and E. R., assignors to Bendix Products Corporation, South Bend, Ind. Clutch control mechanism. 2,137,544; Nov. 22.

Prohaska, Albert E. (See Wilson, A. L., Prohaska, and Schmidt.)

Prutton, Carl F., Cleveland, and A. K. Smith, Shaker Heights, assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio. Lubricating composition. 2,137,782; Nov. 22.

Prutton, Carl F., East Cleveland, and A. K. Smith, Shaker Heights, assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio. Lubricant. 2,137,783; Nov. 22.

Prutton, Carl F., Cleveland Heights, and A. K. Smith, Shaker Heights, assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio. Lubricant and lubricating. 2,137,784; Nov. 22.

Przyborowski, Stanislaus, Tonawanda, assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Making a radiator ribbon. 2,137,348; Nov. 22.

Pudelko, Richard, Zug, assignor to Landis & Gyr, A.-G., Switzerland. Electricity meter. 2,137,807; Nov. 22.

Pugsley, Edwin, New Haven, Conn, assignor to Winchester Repeating Arms Company. Firearm frame and making same. 2,137,808; Nov. 22.

Puritan Engineering Corp. (See Johnson, John A., assignor.)

Putnam, James R. (See Dorr, W. C., and Putnam.)

Quarg, Hermann, Berlin-Tegel, assignor to Mix & Genest Aktiengesellschaft, Berlin-Schoneberg, Germany. Telephone system. 2,137,626; Nov. 22.

Quick, Cecil G. (See Mills, T. J., and Quick.)

Quirke, Edward F., Brooklyn, N. Y. Materials for treatment for hydrocarbons. 2,137,727; Nov. 22.

Rabald, Willy, Leipzig, Germany. Sound record for talking machines. 2,137,307; Nov. 22.

Rader, Myrtle, administratrix. (See Rader, Walter.)

Rader, Walter, Milwaukee, Wis., by M. Rader, administratrix. Garment hanger. 2,137,824; Nov. 22.

Radioaktiengesellschaft D. S. Loewe. (See Schlesinger, Kurt, assignor.)

Radio Corporation of America. (See Cobb, Howard L., assignor.)

Radio Corporation of America. (See Dolbear, Benjamin L., assignor.)

Radio Corporation of America. (See George, R. H., and Helm, assignors.)

Radio Corporation of America. (See Hansell, Clarence W., assignor.)

Radio Corporation of America. (See Minorsky, Nicolai, assignor.)

Radio Corporation of America. (See Mountjoy, Garrard, assignor.)

Radio Corporation of America. (See Parkin, Thomas D., assignor.)

Radio Corporation of America. (See Plaistowe, Donald L., assignor.)

Radio Corporation of America. (See Shepard, Francis H., Jr., assignor.)

Radio Corporation of America. (See Stocker, Arthur C., assignor.)

Radio Corporation of America. (See Thomas, Adolph A., assignor.)

Radio Corporation of America. (See Yolles, Jacob, assignor.)

Rahr, Chester E., assignor to Certain-Teed Products Corporation, New York, N. Y. Covering material. 2,137,308; Nov. 22.

Ranco Incorporated. (See Raney, Estel C., assignor.)

Raney, Estel C., assignor to Ranco Incorporated, Columbus, Ohio. Refrigerator control switch. 2,137,728; Nov. 22.

Rankin, Renville S., Chicago, Ill., assignor to The Dorr Company, Inc., New York, N. Y. Sewage system. 2,137,966; Nov. 22.

Ranney, William G., South Hills, Pa. Mechanical toy. 2,137,950; Nov. 22.

Raymond, Ward, Easton, Pa., assignor to Pennsylvania Pump and Compressor Company. Flywheel governor for steam driven compressors. 2,137,589; Nov. 22.

Reconstruction Finance Corporation. (See Erbe, Ralph R., assignor.)

Reed, Marion C., Lakewood, Ohio, assignor to Carbide and Carbon Chemicals Corporation. Clarification of vinyl resins. 2,137,627; Nov. 22.

Reehl, Fred W., Manhasset, N. Y. Garment hanger. 2,137,700; Nov. 22.

Rehmet, Geo. C., et al. (See Fauboin, Charles A., assignor.)

Reid, James S., Shaker Heights, assignor, by mesne assignments, to The Standard Products Company, Cleveland, Ohio. Tacking strip. 2,137,460; Nov. 22.

Reindorp, John H. (See Sanders-Dolgoruki, E., and Reindorp.)

Reiners, Albert H. (See Seydel, H., and Reiners.)

Reis, Julio, Ludlow, Mass. Door fastening means. 2,137,654; Nov. 22.

Remington Arms Company. (See Brun, Willi, assignor.)

Rémondy, Léon E., Paris, France. Percussion fuse for projectiles. 2,137,983; Nov. 22.

Replogle, Harry H. (See Wade, W., and Replogle.)

Replogle, Harry H., Scarsdale, N. Y., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Process and article produced thereby. 2,137,701; Nov. 22.

Republic Steel Corporation. (See Delany, Albanus G., assignor.)

Research Corporation. (See Slagle, Edgar A., assignor.)

Resinous Products & Chemical Company, The. (See Cserny, Ludwig, assignor.)

Rezos, George, Inverness, Calif., assignor to American Telephone and Telegraph Company. Radio receiving system. 2,137,349; Nov. 22.

Rhein, Lloyd R., Pleasant Ridge, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Glare shield. 2,137,461; Nov. 22.

Rice, Orville D., assignor to Rust Furnace Company, Pittsburgh, Pa. Furnace. 2,137,856; Nov. 22.

Richardson, Led L., Garfield Heights, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Feeding mechanism for rock drills. 2,137,900; Nov. 22.

Riordan, Thomas G., San Antonio, Tex. Color fountain for printing presses. 2,137,590; Nov. 22.

Robert, Ramón C., Barcelona, Spain. Device for effecting the automatic movement of the material in sewing machines. 2,137,857; Nov. 22.

Roberts, Horace A., Huddersfield, England. Manufacture of cartridge cases. 2,137,350; Nov. 22.

Roberts, Wilfred O., Detroit, Mich. Water motor attachment for faucets. 2,137,951; Nov. 22.

Rockwood & Co. (See Jones, W. T., and Dotzer, assignors.)

Rodgers, Karl F., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Terminal connection for electrical devices. 2,137,809; Nov. 22.

Rodman, Clarence A., and J. B. Tanner, Detroit, Mich. Apparatus for freezing and dispensing comestibles. 2,137,655; Nov. 22.

Röhm & Haas Company. (See Bauer, W., and Weisert, assignors.)

Röhm & Haas Company. (See Thackston, William J., assignor.)

Romaine, Millard, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Index head. 2,137,462; Nov. 22.

Rose, Alfred G., assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Wrapping machine. 2,137,656; Nov. 22.

Rose Brothers (Gainsborough) Limited. (See Rose, Alfred G., assignor.)

Ross, Frederick N., assignor to Briggs Manufacturing Company, Detroit, Mich. Fastener device. 2,137,657; Nov. 22.

Ross, Frederick N., assignor to Briggs Manufacturing Company, Detroit, Mich. Trim panel and fastener. 2,137,883; Nov. 22.

Rossander, Swanie S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Direct dyes, process, and product. 2,137,810; Nov. 22.

Rossman, Allen M., Wilmette, Ill. Adjustable speed control. 2,137,989; Nov. 22.

Rossman, Allen M., Wilmette, Ill. Frequency converter. 2,137,990; Nov. 22.

Rothenhoefer, Walter W., St. Louis, Mo. Airplane. 2,137,952; Nov. 22.

Rowley, Millard C., assignor to Bendix-Westinghouse Automatic Air Brake Company, Pittsburgh, Pa. Control mechanism. 2,137,953; Nov. 22.

Royal, John W., Malden, Mass. Doughnut cutter. 2,137,811; Nov. 22.

Rubsam, Charles F., Jackson, Mich. Balancing means for automobile wheels. 2,137,415; Nov. 22.

Rubsam, Charles F., Jackson, Mich. Counterbalancing means for automobile wheels. 2,137,416; Nov. 22.

Ruby, George B., Aurora, Ill. Eye testing apparatus. 2,137,702; Nov. 22.

Rumore, Joseph A., Chicago, assignor of one-half to H. Heront, Cicero, Ill. Universal dispensing holder. 2,137,984; Nov. 22.

Rust Furnace Company. (See Rice, Orville D., assignor.)

Rustless Iron and Steel Corporation of America. (See Tuttle, Clarence E., assignor.)

Ruston & Hornsby, Limited. (See Makins, Thomas C., assignor.)

Ryan, Charles V., administrator. (See La Londe, Moses.)

S. & E. Novelty Co. et al. (See Skora, Hyman, assignor.)

Sabbath, Jaye C. (See Stubbs, F. A., and Sabbath.)

Saco-Lowell Shops. (See Banfield, Frederic E., Jr., assignor.)

Sadoff, Bernard J., Buenos Aires, Argentina, assignor to Industrial Patents Corporation, Chicago, Ill. Sausage patty machine. 2,137,901; Nov. 22.

St. Regis Paper Company. (See Dorrington, Neill E., assignor.)

Salvatori, Henry, Hollywood, Calif., assignor, by mesne assignments, to Stanolind Oil and Gas Company, Tulsa, Okla. Seismic well logging. 2,137,985; Nov. 22.

Sanders-Dolgoruki, Edgar, and J. H. Reindorp, assignors to Truecolour Film Limited, London, England. Color photography and cinematography. 2,137,785; Nov. 22.

Sanford, Baalis, assignor to Norton Company, Worcester, Mass. Making a composite abrasive wheel. 2,137,986; Nov. 22.

Sanford, Roy S., New York, and M. W. McConkey, assignors to Bendix Aviation Corporation, South Bend, Ind. Vehicle transmission. 2,137,249; Nov. 22.

Sanford, Roy S., New York, N. Y., and W. J. Andres, assignors to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Vehicle control mechanism. 2,137,954; Nov. 22.

Santee, Edwin J., St. Louis, Mo. School desk unit. 2,137,509; Nov. 22.

Sarazin, Raoul R. R., Saint-Prix, France. Vibration damping device. 2,137,591; Nov. 22.

Sayre, Gordon B., Syracuse, N. Y. Windshield cleaner. 2,137,628; Nov. 22.

Sbarberi, Angelo, et al. (See Lodetti, Angelo, assignor.)

Schaefer, William E., West Hartford, assignor to The Whitney Chain & Mfg., Company, Hartford, Conn. Overload safety device. 2,137,417; Nov. 22.

Schellenburg, Ernst, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Apparatus for the manufacture of ammonium sulphate. 2,137,729; Nov. 22.

Schellenger, Newton C., Elkhart, Ind., assignor to Chicago Telephone Supply Company. Interposed disk rheostat. 2,137,812; Nov. 22.

Schellentrager, Eugene W., Shaker Heights, assignor to The Atlas Bolt & Screw Company, Cleveland, Ohio. Door handling mechanism. 2,137,763; Nov. 22.

Schichtel, Georg. (See Erdmann, K., Hansgirg, and Schichtel.)

Schickedanz, William, Philadelphia, Pa. Window ventilator. 2,137,924; Nov. 22.

Schieber, Walther, Berlin, and W. Harz, Dormagen-I. G. Werk, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of artificial cellulose products. 2,137,955; Nov. 22.

Schieber, Jacob W., Scranton, Pa. Nonrefillable attachment. 2,137,956; Nov. 22.

Schlesinger, Kurt, Berlin, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany. Method of and arrangement for producing correcting impulses. 2,137,351; Nov. 22.

Schlesinger, Kurt, Berlin, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany. Cathode ray tube. 2,137,352; Nov. 22.

Schlesinger, Kurt, Berlin, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany. Television tube. 2,137,353; Nov. 22.

Schlesinger, Kurt, Berlin, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany. Receiving connection system for television receivers. 2,137,354; Nov. 22.

Schlesinger, Kurt, Berlin, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany. Ultra short wave connection system. 2,137,355; Nov. 22.

Schlesinger, Kurt, Berlin, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany. High-voltage transformer for television apparatus. 2,137,356; Nov. 22.

Schlosser, Harold L., assignor to Lectrolite Corporation, Defiance, Ohio. Spray oiler. 2,137,786; Nov. 22.

Schmid, Max, Nuremberg, Germany. Toy vehicle with sounding means. 2,137,357; Nov. 22.

Schmidt, Otto B. (See Wilson, A. L., Prohaska, and Schmidt.)

Schmitter, Walter P. (See Kelley, J. B., and Schmitter.)

Schramm, Christopher H., Muskegon, Mich., assignor, by mesne assignments, to Manning, Maxwell & Moore, Inc., New York, N. Y. Soaking-pit trolley. 2,137,813; Nov. 22.

Schultze, Paul, Rose Hill, Danbury, assignor to J. C. Doran, doing business as Doran Brothers, Incorporated, Danbury, Conn. Pouncing machine. 2,137,250; Nov. 22.

Schulze-Herringen, Erich, Braunschweig, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Controlling high frequency transmitters. 2,137,629; Nov. 22.

Schumag Schumacher Metallwerke Aktiengesellschaft für Prazisionsmechanik. (See Offermanns, Wilhelm, assignor.)

Schunack, Johannes, Charlottenburg, near Berlin, assignor to the firm of Fernsch Aktiengesellschaft, Zehlendorf near Berlin, Germany. Detector output circuit. 2,137,545; Nov. 22.

Schwabacher, Gerhard P., Bridgeport, Conn., assignor to General Electric Company. Cable clamp. 2,137,858; Nov. 22.

Schwartz, Robert D., Devon, W. W. Moe and L. J. Hartley, Bridgeport, Conn., assignors to General Electric Company. Frequency meter. 2,137,859; Nov. 22.

Searles, Raymond R., assignor to The Fafnir Bearing Company, New Britain, Conn. Seal. 2,137,546; Nov. 22.

Seaver, Floyd. (See McKee, H. H., and Seaver.)

Seem, Warren A. (See Hill, E. G., and Seem.)

Senior, Alfred I. (See Knapp, P. V., Senior, McNabb, and Bensemann.)

Severin, Edwin, and O. Brünnert, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Gramophone record. 2,137,510; Nov. 22.

Seydel Chemical Company. (See Seydel, H., and Reiners, assignors.)

Seydel, Herman, Jersey City, and A. H. Reiners, Cranford, assignors to Seydel Chemical Company, Jersey City, N. J. Alkaline earth metal double salts of organic acids and producing same. 2,137,957; Nov. 22.

Seyferth, Carl G., Muskegon, Mich. Landing gear. 2,137,703; Nov. 22.

Shaw, Robert D., assignor to Niles-Bement-Pond Company, Hartford, Conn. Chip breaker. 2,137,358; Nov. 22.

Shay, Charles M., Hawthorne, N. J., assignor to Wright Aeronautical Corporation. Dynamic damper. 2,137,418; Nov. 22.

Sheil Development Company. (See Moravec, Richard Z., assignor.)

Sheil Development Company. (See Welke, Ferdinand G., assignor.)

Shepard, Francis H., Jr., Rutherford, N. J., assignor to Radio Corporation of America. Amplifier circuit. 2,137,419; Nov. 22.

Shepard, Kelvin K., Washington, D. C., assignor of two-thirds to H. M. Birch, Bethesda, Md. Recording instrument. 2,137,592; Nov. 22.

Shepherd, William W., et al. (See King, James F., assignor.)

Sherwin-Williams Company, The. (See Hunn, James V., assignor.)

Shields, William H., assignor to The Palm Bros. Decalcomania Co., Cincinnati, Ohio. Ink. 2,137,463; Nov. 22.

Schultz, James E., Los Angeles, Calif. Pottery mold. 2,137,359; Nov. 22.

Siebert, John A., assignor to Keelmo Co., San Francisco, Calif. Exothermic heating element for permanent hair waving apparatus and producing the same. 2,137,704; Nov. 22.

Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung. (See Fischel, Eduard, assignor.)

Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung. (See Köster, Paul E., assignor.)

Siemens & Halske, Aktiengesellschaft. (See Hobbie, Ernst, assignor.)

Siemens & Halske Aktiengesellschaft. (See Lill, Friedrich, assignor.)

Siemens & Halske Aktiengesellschaft. (See Pfaff, Walter, assignor.)

Sierad, Albert E., Larchmont, N. Y. Machineless permanent wave device. 2,137,511; Nov. 22.

Signaphone Corporation of America. (See Herbig, Henry F., assignor.)

Sinitzin-White, Nicholas, Westport, assignor of one-third to J. L. R. Glover, Fairfield, and one-third to N. N. Solovioff, Milliford, Conn. Slide rule. 2,137,630; Nov. 22.

Skelsey, Alfred C., London, England. Illuminated advertising sign. 2,137,360; Nov. 22.

Skojec, Paul, Sr., et al. (See Skojec, William, assignor.)

Skojec, William, assignor of one-twelfth to P. Skojec, Sr., and five-twelfths to A. Stroka, Binghamton, N. Y. Multiple fuse plug. 2,137,593; Nov. 22.

Skora, Hyman, Brooklyn, assignor of one-third to S. & E. Novelty Co., Inc., one-third to L. & L. Linings Inc., and one-third to Ellerstein-Gerber Corp., New York, N. Y. Fabric covered elastic attaching device. 2,137,814; Nov. 22.

Slagle, Edgar A., North Plainfield, N. J., assignor to Research Corporation, New York, N. Y. Producing diferric tetrachloride monosulphate. 2,137,361; Nov. 22.

Slaugenhaupt, Bernard A., Chelan, Wash. Sign easel. 2,137,594; Nov. 22.

Smart, Norman C., Coventry, assignor to The General Electric Company Limited, London, England. Electric system of control for lifts. 2,137,925; Nov. 22.

Smith, Albert K. (See Prutton, C. F., and Smith.)

Smith, Caleb, and J. L. Peterson, Seneca Falls, N. Y.; said Peterson assignor to said Smith. Circular knitting machine. 2,137,362; Nov. 22.

Smith, Clifton F., Memphis, Tenn. Engine. 2,137,730; Nov. 22.

Smith, Esmond W., Chipstead, J. N. Dean, Westerham, and F. Mattingley, East Sheen, London, assignors to Telegraph Construction & Maintenance Company, Limited, London, England. High frequency electric cable. 2,137,926; Nov. 22.

Smith, John W., assignor to The Fafnir Bearing Company, New Britain, Conn. Pulley. 2,137,987; Nov. 22.

Smith, L. C. & Corona Typewriters, Inc. (See Bradt, C. H., and Higgins, assignors.)

Smulski, Theodore J., assignor to The Anderson Company, Gary, Ind. Making bimetallic elements. 2,137,309; Nov. 22.

Snow, Ernest M., Greenville, S. C. Machine for churning beating, or mixing materials. 2,137,547; Nov. 22.

Snow, Harold A., Mountain Lakes, assignor to Boonton Radio Corporation, Boonton, N. J. Method and apparatus for electrical measurements. 2,137,787; Nov. 22.

Socony-Vacuum Oil Company. (See Moran, R. C., and Crandall, assignors.)

Solovioff, Nicholas N., et al. (See Sinitzin-White, Nicholas, assignor.)

Solvent Machine Company. (See Dinley, Clarence F., assignor.)

Sommer, Fritz. (See Haffner, F., and Sommer.)

Sommer, Fritz, Berlin-Charlottenburg, assignor to the firm: Chemische Fabrik Grunau, Landshoff & Meyer Akt. Ges., Berlin-Grunau, Germany. Pliable and soft paper and manufacture thereof. 2,137,310; Nov. 22.

Soriano, Angelo, Brooklyn, N. Y. Skein dyeing apparatus. 2,137,731; Nov. 22.

Sondern, Clarence W., and C. J. W. Wiegand, assignors to George A. Breon & Company, Inc., Kansas City, Mo. Aluminum hydroxide hydrogel and making it. 2,137,638; Nov. 22.

Soybel, Meyer M., Brooklyn, N. Y., assignor to International Folding Paper Box Co., Inc., North Bergen, N. J. Combined display and shipping box. 2,137,420; Nov. 22.

Spanne, Henning. (See Lundholm, R. O., and Spanne.)

Sprenger, Arthur, Berlin-Halensee, assignor to the firm Chemische Studien-Gesellschaft Uniwapo G. m. b. H., Berlin, Germany. Furnace for melting fine and granular substances. 2,137,363; Nov. 22.

Spreng-und Tauchgesellschaft m. b. H. (See Böll, K., and Edelhoff, assignors.)

Springer, Karl L., Goose Creek, Tex., assignor to Standard Oil Development Company. Process and apparatus for the recovery of sulphur dioxide from sulphite liquors. 2,137,311; Nov. 22.

Squibb, E. R., & Sons. (See Christiansen, W. G., and jurist, assignors.)

Squibb, E. R., & Sons. (See Christiansen, W. G., and Moness, assignors.)

Squibb, E. R., & Sons. (See De Frates, Joseph S., assignor.)

Standard-Knapp Corporation. (See Blackstone, Clarence W., assignor.)

Standard Oil Company. (See Bergstrom, Eric V., assignor.)

Standard Oil Development Company. (See Ellis, Carleton, assignor.)

Standard Oil Development Company. (See Springer, Karl L., assignor.)

Standard Products Company, The. (See Reid, James S., assignor.)

Standard Stoker Company, (1922), The. (See Ketchpel, Paul A., assignor.)

Stanolind Oil and Gas Company. (See Salvatori, Henry, assignor.)

Star Expansion Bolt Company. (See McIntosh, Roy E., assignor.)

Stedronsky, Frank, Cicero, Ill. Collapsible vehicle runner. 2,137,860; Nov. 22.

Steele, Edwin G. (See Sutton, H. M., and Steele.)

Steele, Walter R., La Mesa, Calif. Harmonica. 2,137,251; Nov. 22.

Steenstrup, Chirstian, Schenectady, N. Y., assignor to General Electric Company. Refrigerator evaporator and making same. 2,137,861; Nov. 22.

Stienen, Ernest A., New York, N. Y. Dyeing, extracting, and drying various textiles, and the apparatus therefor. 2,137,632; Nov. 22.

Steiner, Waldo L. (See Lincoln, B. H., Steiner, and Henriksen.)

Steinhauer, William L., Birmingham, Ala., assignor to Continental Gin Company. Cotton conveying, cleaning, feeding, and drying apparatus. 2,137,512; Nov. 22.

Steins, Carleton K., Wilmington, Del. Fume exhausting apparatus. 2,137,862; Nov. 22.

Stemen, William R. (See Urbain, O. M., and Stemen.)

Stepan, Alfred C., Brenham, Tex. Paper mop. 2,137,958; Nov. 22.

Stern, Lawrence, Woodmere, assignor to American Steel Wool Mfg. Co., Inc., New York, N. Y. Holder for cleaning pads or the like. 2,137,631; Nov. 22.

Stendel, Hans, and H. Wiechell, assignors to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany. Light metal alloy. 2,137,639; Nov. 22.

Stevens, Frank J., Providence, assignor to Cranston Print Works Company, Cranston, N. J. Bow straightening apparatus. 2,137,252; Nov. 22.

Stockelbach, Fritz E., Montclair, N. J. Alkyl substituted pyrogallol. 2,137,815; Nov. 22.

Stocker, Arthur C., Haddon Heights, N. J. assignor to Radio Corporation of America. Low frequency tone control system. 2,137,633; Nov. 22.

Stone, Elmer B., assignor to The American Hardware Corporation, New Britain, Conn. Lock. 2,137,967; Nov. 22.

Stonebraker, Harold E., Rochester, N. Y. Card shuffling machine. 2,137,513; Nov. 22.

Stover, Lawrence T. (See Gray, W. A., and Stover.)

Strassman, Otto A., Akron, assignor of one-third to F. C. Hardwick, Hartville, and one-third to P. R. Cannon, Canton, Ohio. Automobile lift. 2,137,743; Nov. 22.

Strathmore Company, The. (See Watkins, Grace W., assignor.)

Strauss, Jerome, Pittsburgh, Pa., and G. L. Norris, Sewickley, N. Y., assignors to Vanadium Corporation of America, Bridgeport, Pa. Deoxidizing alloy and method. 2,137,863; Nov. 22.

Strauss, Joseph B., San Francisco, Calif. Light measuring device. 2,137,548; Nov. 22.

Streckfuss, Elmer G., and G. A. Lensky, assignors to The Cincinnati Time Recorder Company, Cincinnati, Ohio. Slicer. 2,137,364; Nov. 22.

Streun, John A., assignor to Hardwicke-Etter Company, Sherman, Tex. Roll dumping device for cotton gins. 2,137,744; Nov. 22.

Strobel, Gotthold, Frankfort-on-the-Main, Germany. Sole attaching press. 2,137,788; Nov. 22.

Stroka, Andrew, et al. (See Skojec, William, assignor.)

Strong, Stanley, Cockeysville and W. J. Gascoyne, Jr., assignors, by mesne assignments, to W. J. Gascoyne, Jr., Baltimore, Md. Nitrogenous fertilizer base and producing the same. 2,137,365; Nov. 22.

Stubbs, Francis A., and J. C. Sabbath, Lakeview, Ohio. Hair waver. 2,137,595; Nov. 22.

Sturgis, Bernard M. (See Williams, I., and Sturgis.)

Sturm, Ernst, and R. Fleischmann, assignors to Chemische Fabrik Johann A. Wulfing, Berlin, Germany. Obtaining metal compounds of water-soluble keratin splitting products. 2,137,927; Nov. 22.

Suhkow, Philip, assignor to Union Oil Company of California, Los Angeles, Calif. Dewaxing oils. 2,137,549; Nov. 22.

Sullivan Machinery Company. (See Ferguson, Alexander D., assignor.)

Sullivan, Peter B., Randolph, Mass. Shoe heel. 2,137,816; Nov. 22.

Sullivan, Pike H., New Rochelle, N. Y., assignor to Gasoline Products Company, Inc., Newark, N. J. Treatment of hydrocarbons. 2,137,825; Nov. 22.

Sundstrand, Carl A., Rockford, Ill. Food grater. 2,137,366; Nov. 22.

Sun Oil Company. (See Jolly, S. E., and McKee, assignors.)

Surface Combustion Corporation. (See Myler, William M., Jr., assignor.)

Sutcliffe, Arthur, London, England. Apparatus for receiving delivered commodities and preventing theft thereof. 2,137,367; Nov. 22.

Sutherland, Leslie T., Yonkers, assignor to The Barrett Company, New York, N. Y. Press platen. 2,137,634; Nov. 22.

Sutton, Henry M., and E. G. Steele, Dallas, Tex. Apparatus for separating a mass of seeds of varied characteristics. 2,137,678; Nov. 22.

Sutton, Henry M., and E. G. Steele, Dallas, Tex. Separating a mass of seeds of varied characteristics. 2,137,679; Nov. 22.

Swanson, Harold, Cleveland, Ohio. Electric incandescent high pressure gas lamp and similar article. 2,137,732; Nov. 22.

Swartz, Carl E., Cleveland Heights, and J. E. Wilkey, South Euclid, assignors to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Manufacture of bonded and coated metallic articles. 2,137,464; Nov. 22.

Swift and Company. (See McKee, H. H., and Seaver, assignors.)

Sylvania Industrial Corporation. (See Replogle, Harry H., assignor.)

Sylvania Industrial Corporation. (See Wade, W., and Replogle, assignors.)

"T. I. M." (Ticket-Issue Machines) Limited. (See Kinnard, D. H., and H. Ford, assignors.)

Tangren, O. A., et al. (See Thompson, Lloyd O., assignor.)

Tanner, John B. (See Rodman, C. A., and Tanner.)

Tanner, Robert R., Detroit, Mich., assignor, by mesne assignments, to Parker Rust-Proof Company. Coated iron article. 2,137,968; Nov. 22.

Tanqueray, David Y. B., assignor to Baker Perkins Limited, Peterborough, England. Automatic control of washing and other machines. 2,137,928; Nov. 22.

Tan-Sad Chair Company (1931) Limited, The. (See Gabb, Archibald H., assignor.)

Tapper, Ambrose H. (See Billing, N. P., and Tapper.)

Tark, Marcus B., Philadelphia, Pa., assignor to Link Belt Company, Chicago, Ill. Skimming device for settling tanks. 2,137,421; Nov. 22.

Taylor, Daniel G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Switching mechanism. 2,137,550; Nov. 22.
Taylor, James H., Oak Park, Ill. Making pipe fittings. 2,137,864; Nov. 22.
Taylor, Phillip B. (See Campbell, K., and Taylor.)
Taylor, Reginald, Liverpool, England and G. T. Baker, Caerphilly, Wales, assignors to Associated Telephon and Telegraph Company, Chicago, Ill. Automatic switch. 2,137,422; Nov. 22.
Taylor, Reginald, Liverpool, England, and G. T. Baker, Caerphilly, Wales, assignors to Associated Telephon and Telegraph Company, Chicago, Ill. Automatic switch. 2,137,423; Nov. 22.
Taylor, William J., Nutley, N. J. Wire fabric seam and making same. 2,137,789; Nov. 22.
Telefonaktiebolagent L. M. Ericsson. (See Loundholm, R. O., and Spanne, assignors.)
Telefonaktiebolaget L. M. Ericsson. (See Vos, Mauritz, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Buschbeck, Werner, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Osnos, Mendel, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Severin, E., and Brünnert, assignors.)
Telegraph Construction & Maintenance Company. (See Smith, E. W., Dean, and Mattingley, assignors.)
Ternstedt Manufacturing Company. (See Rhein, Lloyd R., assignor.)
Terry, Edward F., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Drilling tool. 2,137,658; Nov. 22.
Terry, Spencer B., West Hartford, assignor to Niles-Bement-Pond Company, Hartford, Conn. Continuous gauge. 2,137,368; Nov. 22.
Terry, Albert V., Headless Cross, Redditch, England. Toast rack. 2,137,369; Nov. 22.
Thackston, William J., Haddon Heights, N. J., assignor to Röhm & Haas Company, Philadelphia, Pa. Finishing textiles. 2,137,465; Nov. 22.
Thomas, Adolph A., assignor to Radio Corporation of America, New York, N. Y. Electron tube. 2,137,424; Nov. 22.
Thomas, Raymond E., Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Article of manufacture. 2,137,969; Nov. 22.
Thompson, Andrew C., Miami Beach, Fla. Window. 2,137,425; Nov. 22.
Thompson, Andrew C., Miami Beach, Fla. Window construction. 2,137,426; Nov. 22.
Thompson, Beriah M., U. S. Navy. Apparatus for the fireside cleaning of boilers. 2,137,253; Nov. 22.
Thompson, Leonard J., Wichita, Kans. Stadium seat. 2,137,312; Nov. 22.
Thompson, Lloyd O., Monrovia, Calif., assignor of one-third to O. A. Tangren and one-third to S. O. Thompson, Salt Lake City, Utah. Powder puff. 2,137,790; Nov. 22.
Thompson, S. R. (See Furnas, W. C., and Thompson.)
Thompson, Soren O., et al. (See Thompson, Lloyd O., assignor.)
Thomson, Roy C., London, England. Folding chair. 2,137,427; Nov. 22.
Thrush, H. A., & Company. (See Thrush, Homer A., assignor.)
Thrush, Homer A., assignor to H. A. Thrush & Company, Peru, Ind. Rotary pump. 2,137,791; Nov. 22.
Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle latch. 2,137,733; Nov. 22.
Tiefry, Charles Leander. (See Tiefry, Charles Lincoln, assignor.)
Tiefry, Charles Lincoln, assignor to Charles Leander Tiefry, Detroit, Mich. Portable refrigerator or cooler. 2,137,705; Nov. 22.
Tingle, Roman J., W. W. Barcy, and J. E. Fuchs, Detroit, Mich. Insulated bushing. 2,137,313; Nov. 22.
Tinnerman, Albert H. (See Tinnerman, George A., assignor.)
Tinnerman, George A., Rocky River, assignor to A. H. Tinnerman, Cleveland, Ohio. Tool. 2,137,929; Nov. 22.
Tipping, John, Strand, London, England, assignor, by mesne assignments, to Ball Brothers Company, Muncie, Ind. Glass feeder. 2,137,734; Nov. 22.
Tönnies, Hans F., Grossflottbek, near Hamburg, Germany. Photoelectric photometer. 2,137,466; Nov. 22.
Transit Research Corporation. (See Piron, Emil H., assignor.)
Trautner, Wagn, Springdale, Ohio, and H. E. Metcalf, Walnut Creek, assignors to E. H. Kneffer, Oakland, Calif. Signaling lamp. 2,137,319; Nov. 22.
Traver, Oliver C., Drexel Hill, Pa., assignor to General Electric Company. Protective arrangement. 2,137,865; Nov. 22.
Traylor Vibrator Company, The. (Flint, James A., assignor.)
Trenton Spring Products Company. (See McCoy, Charles F., assignor.)
Trimbach, Clem G., Eggerstville, and C. R. Lemonier, Kenmore, N. Y., assignors, by mesne assignments, to Curtiss-Wright Corporation. Flexible gun mount control. 2,137,640; Nov. 22.
Trimble Nurseryland Furniture, Inc. (See Baxter, William C., assignor.)
Tripp, Edwin B., Benzien, Mont. Foot accelerator. 2,137,596; Nov. 22.
Truecolour Film Limited. (See Sanders-Dolgoruki, E., and Reindorp, assignors.)
Tucker, Carll. (See Begun, S. J., Durst, and Barnett, assignors.)
Tuerff, Frank A., Newark, assignor to Windsor Mfg. Co., Orange, N. J. Coloring metal. 2,137,817; Nov. 22.
Turek, Thomas J., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Gear shifting mechanism. 2,137,959; Nov. 22.
Turk, Richard H., assignor to The Porcelain Enamel and Manufacturing Company of Baltimore, Baltimore, Md. Smelting enamel. 2,137,930; Nov. 22.
Turnbull, David C., assignor to The American Foundry Equipment Company, Mishawaka, Ind. Dust collector. 2,137,254; Nov. 22.
Turner Tanning Machinery Company, The. (See Whitney, Robert F., assignor.)
Tuttle, Clarence E., assignor, by mesne assignments, to Rustless Iron and Steel Corporation of America, Baltimore, Md. Merchandise container. 2,137,255; Nov. 22.
Tyler, Ralph W., Hancock, N. Y. Embalming implement. 2,137,635; Nov. 22.
Ubben, Richard T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Impregnated cigarette. 2,137,706; Nov. 22.
Uline, Migiel J., Washington, D. C. Machine for cutting ice. 2,137,597; Nov. 22.
Ulrich, Christian D., North Little Rock, Ark. Expansible clamp. 2,137,315; Nov. 22.
Ulrich, Heinrich, and E. Ploetz, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Producing quaternary ammonium compounds. 2,137,314; Nov. 22.
Ulrich, Horace W. (See Anderson, E. N., Getz, and Ulrich.)
Ultrad Products, Incorporated. (See Arden, Thomas R., assignor.)
Unger, Theodor B., Fredriksstad, Norway. Coating iron and steel surfaces. 2,137,370; Nov. 22.
Union Carbide and Carbon Corporation. (See Gelbig, F. C., and Jacobsson, assignors.)
Union Hardware Company. (See Jack, Edward M., assignor.)
Union Oil Company of California. (See Bray, U. B., and Beckwith, assignors.)
Union Oil Company of California. (See Garofalo, Ross J., assignor.)
Union Oil Company of California. (See Subkow, Philip, assignor.)
Union Steam Pump Company. (See Ordway, Earl P., assignor.)
Union Switch & Signal Company, The. (See Agnew, N. F., and Mishelevich, assignors.)
United Aircraft Corporation. (See Green, Albert A., assignor.)
United Autographic Register Co. (See Jensen, Louis, assignor.)
United-Carr Fastener Corporation. (See Jones, Walter I., assignor.)
United-Carr Fastener Corporation. (See Murphy, Howard J., assignor.)
United Shoe Machinery Corporation. (See Bazzoni, Lewis J., assignor.)
United Shoe Machinery Corporation. (See Burby, Philip E., assignor.)
United States Rubber Products, Inc. (See Linke, Paul A., assignor.)
Urbain, Oliver M., and W. R. Stemen, Columbus, assignors to C. H. Lewis, Harpster, Ohio. Treating coal. 2,137,932; Nov. 22.
Urbain, Oliver M., and W. R. Stemen, Columbus, assignors to C. H. Lewis, Harpster, Ohio. Treating coal. 2,137,933; Nov. 22.
Valentine, Warren P., Philadelphia, assignor to National Transit Pump & Machine Company, Oil City, Pa. Motor. 2,137,551; Nov. 22.
Valentine, Warren P., Philadelphia, assignor to National Transit Pump & Machine Company, Oil City, Pa. Multiple crank driving mechanism. 2,137,552; Nov. 22.
Vanadium Corporation of America. (See Strauss, J., and Norris, assignors.)
Van Geel, Willem C., and H. Emmens, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Electrode system and making same. 2,137,316; Nov. 22.
Van Geel, Willem C., and H. Emmens, assignors to N. V. Philips Gloeilampenfabrieken, Eindhoven, Netherlands. Electrode system of unsymmetrical conductivity. 2,137,428; Nov. 22.
Velsicol Corporation. (See Hyman, Julius, assignor.)
Vernam, Gilbert S. (See Clokey, A. A., and Vernam.)
Vickers-Armstrong Limited. (See Higson, Percy R., assignor.)
Victor Chemical Works. (See Woodstock, Willard H., assignor.)
Vidalie, Rene M., Port Washington, assignor to Preferred Utilities Company, Inc., New York, N. Y. Oil burner. 2,137,960; Nov. 22.

Vigers, Brian E. A., Dunstable, and J. L. McCowen, Northwich, England, assignors to Imperial Chemical Industries Limited. Apparatus for high-vacuum distillation. 2,137,553; Nov. 22.
Vogt, Henry, Machine Co. Inc. (See Williams, Jesse D., Jr., assignor.)
Vogel, Rudolf, Cambridge, Mass. Staple strip. 2,137,467; Nov. 22.
Vogel, William W., Willard, Ohio. Cartridge holder. 2,137,680; Nov. 22.
Von der Emde, Wilhelm, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Apparatus for treating gases or vapors with liquids. 2,137,735; Nov. 22.
Von Kienck, Jürgen. (See Nuesslein, J., and von Kienck.)
Vorech, Stephen, assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Control mechanism. 2,137,961; Nov. 22.
Vos, Mauritz, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Artillery projectile. 2,137,598; Nov. 22.
Voss, Edmund. (See Lobelle, M. J. O., and Voss.)
Voss, John H. (See Lomax, C. E., and Voss.)
Voss, John H., Downers Grove, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Switching apparatus. 2,137,514; Nov. 22.
Voss, Walter C., The Hague, Netherlands. Money carrier. 2,137,429; Nov. 22.
Vulcan Proofing Company. (See Lewis, Robert R., assignor.)
Wabash Appliance Corporation. (See Flaherty, James J., assignor.)
Wacker, Dr. Alexander, Gesellschaft für Elektrochemische Industrie, G. m. b. H. (See Hollerer, Hanns, assignor.)
Wade, Worth, New York, and H. H. Replogle, Scarsdale, N. Y., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Article and producing the same. 2,137,707; Nov. 22.
Waechter, Harry J., Mount Healthy, assignor to P. Benninghofen and F. G. Diesbach, trustees, Hamilton, Ohio. Writing tablet. 2,137,970; Nov. 22.
Wagar, Harold N., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relay. 2,137,818; Nov. 22.
Wagner, Arthur M., Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Plating apparatus. 2,137,819; Nov. 22.
Wagner, Karl F., Friedrichshafen, Bodensee, Germany. Apparatus for casting metal under pressure. 2,137,764; Nov. 22.
Waldron, Frederick A., Westfield, N. J. Manufacture of inked ribbons. 2,137,256; Nov. 22.
Wallach, Carl D., Newburgh, assignor to R. L. Parish, New York, N. Y. Thermal insulating structure for vehicle floors. 2,137,322; Nov. 22.
Wallach, Carl D., Newburgh, assignor to R. L. Parish, New York, N. Y. Thermal insulation and ventilating structure for motor vehicles. 2,137,323; Nov. 22.
Wallach, Carl D., Newburgh, assignor to American Flange & Manufacturing Co., Inc., New York, N. Y. Automobile insulation. 2,137,324; Nov. 22.
Waller, Hugh, Halfway, Mo. Oil well line control head. 2,137,599; Nov. 22.
Walsh, James F. (See Daly, R. E., and Walsh.)
Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Quick freezing process. 2,137,902; Nov. 22.
Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Sewing casings. 2,137,903; Nov. 22.
Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Casing material. 2,137,904; Nov. 22.
Walters, Henry W., Jacksonville, Fla. Lifesaving apparatus. 2,137,468; Nov. 22.
Ware, Thomas H. (See Church, R. W., and Ware.)
Waterbury Clock Company. (See Dorr, W. C., and Putnam, assignors.)
Watkins, Grace W., assignor to The Strathmore Company, Aurora, Ill. Educational device. 2,137,736; Nov. 22.
Waugh Equipment Company. (See Munro, G. R., and Dilg, assignors.)
Wayland, Frank, Salem, Mass. Skin, hide, and leather working machine. 2,137,866; Nov. 22.
Webb, Wells A., Berkeley, Calif. Concentration of isotopes. 2,137,430; Nov. 22.
Weeks, Walter R., Hamden, Conn., assignor to General Electric Company. Coffee maker handle. 2,137,884; Nov. 22.
Wegehoft, Chris F., assignor to Kingan & Co., Incorporated, Indianapolis, Ind. Hog-tongue protector. 2,137,515; Nov. 22.
Weinberg, Peter. (See Berger, M. W., and Weinberg.)
Weiher, George F., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,137,962; Nov. 22.
Weisert, Paul. (See Bauer, W., and Weisert.)
Weiss, Franz, Park Ridge, Ill., assignor to R. H. McMurtrie, Huntingburg, Ind. Simulating wood grain and stone markings. 2,137,765; Nov. 22.
Welch, William H., assignor to Geerpres Wringer, Inc., Muskegon, Mich. Mop holder. 2,137,317; Nov. 22.
Welke, Ferdinand G., assignor to Shell Development Company, San Francisco, Calif. Bearing packer. 2,137,659; Nov. 11.
Welke, Ferdinand G., assignor to Shell Development Company, San Francisco, Calif. Bearing washer. 2,137,660; Nov. 22.
Wenzel, Albert W., West Orange, N. J. Packing ring holding apparatus. 2,137,737; Nov. 22.
Wenzel, Wilhelm. (See Baehr, H., Mengdehl, and Wenzel.)
Wessels, Hermann, assignor to Allgemeine Elektricitatz Gesellschaft, Berlin, Germany. Cascade amplifier circuit without upper harmonics. 2,137,867; Nov. 22.
West, Vaughan M., Chicago, Ill. Stationery. 2,137,516; Nov. 22.
Western Electric Company. (See Nicolson, Alexander M., assignor.)
Western Electric Company. (See Wagner, Arthur M., assignor.)
Westinghouse Air Brake Company, The. (See Aikman, Burton S., assignor.)
Westinghouse Air Brake Company, The. (See Cotter, George L., assignor.)
Westinghouse Air Brake Company, The. (See Hewitt, Ellis E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bogaerts, John J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Dickinson, R. C., and Leeds, assignors.)
Westmoreland, James P., et al. (See Hingle, James A., assignor.)
Westinghouse Air Brake Company, The. (See Kershaw, Arthur G., assignor.)
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Multiband tunable system. 2,137,318; Nov. 22.
Whipple, Allen D., Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Organic product and making the same. 2,137,995; Nov. 22.
Whipple, Allen D., Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Synthetic organic material and making the same. 2,137,993; Nov. 22.
Whipple, Allen D., Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Organic product and making the same. 2,137,994; Nov. 22.
White Cap Company. (See White, William P., assignor.)
White, Herbert E., San Francisco, Calif., assignor to E. H. Edwards Company. Making wire mesh. 2,137,257; Nov. 22.
White, John W., Detroit, Mich., assignor, by mesne assignments, to Bendix Products Corporation. Master cylinder for hydraulic brake systems. 2,137,554; Nov. 22.
White, William A., assignor to White's Marine Engineering Company, Limited, Hebburn-on-Tyne, England. Power unit. 2,137,934; Nov. 22.
White, William P., Glencoe, assignor to White Cap Company, Chicago, Ill. Packaging container. 2,137,745; Nov. 22.
White's Marine Engineering Company. (See White, William A., assignor.)
Whitney Chain & Mfg. Company, The. (See Schaefer, William E., assignor.)
Whitney, Robert F., Winchester, Mass., assignor to The Turner Tanning Machinery Company, Portland, Maine. Work treating roll. 2,137,372; Nov. 22.
Wicks, John, Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,137,517; Nov. 22.
Wicks, John, Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,137,518; Nov. 22.
Wico Electric Company. (See Harmon, Kenneth A., assignor.)
Wiechell, Heinz. (See Steudel, H., and Wiechell.)
Wiegand, Charles J. (See Sondern, C. W., and Wiegand.)
Wigdor, Isaac, Bayonne, N. J. Sundial watch. 2,137,519; Nov. 22.
Wilkey, John E. (See Swartz, C. E., and Wilkey.)
Williams, Ira, and B. M. Sturgis, Woodstown, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of mercapto aryl thiazoles. 2,137,820; Nov. 22.
Williams, Jesse D., Jr., Shively, assignor to Henry Vogt Machine Co. Inc., Louisville, Ky. Double pipe chiller. 2,137,373; Nov. 22.
Williams, Julian C., Ozone Park, assignor to Art Metal Construction Company, Jamestown, N. Y. Card index. 2,137,826; Nov. 22.
Willis, Arthur G. (See Billing, N. P., and Willis.)
Willis, Bernard D., Oak Park, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Automatic telephone system. 2,137,431; Nov. 22.
Willson, Hiram R., assignor to Great Western Stove Company, Leavenworth, Kans. Stove. 2,137,469; Nov. 22.
Wilson, Albert L., A. E. Prohaska, and O. B. Schmidt, Denver, Colo. Rotary pump. 2,137,708; Nov. 22.
Wilson, Lee, Cleveland, Ohio. Apparatus for heating and cooling. 2,137,868; Nov. 22.
Wilson, Lee, Sales Corporation. (See Woodson, James C., assignor.)

Wilson, Robert L., assignor to Wm Wrigley, Jr., Company, Chicago, Ill. Chewing gum. 2,137,746; Nov. 22.
Wilson, Ronald M., Philadelphia, and J. H. Ingraham, Wayne, Pa.; said Wilson assignor to said Ingraham. Agitator for paint drums and the like. 2,137,432; Nov. 22.
Wilson Supply Company. (See Nixon, Jeddy D., assignor.)
Wimmenauer, Paul E., Washington, Ind. Antiskid device. 2,137,935; Nov. 22.
Winchester Repeating Arms Company. (See Boak, Thomas I. S., assignor.)
Winchester Repeating Arms Company. (See Pugsley, Edwin, assignor.)
Windsor Mfg. Co. (See Tuerff, Frank A., assignor.)
Wingert, Paul, Toledo, Ohio. Furnace construction. 2,137,827; Nov. 22.
Wintroub, Joseph, Burbank, Calif. Meat stomper. 2,137,709; Nov. 22.
Wirz, Emil, Neuenstadt, Bern, Switzerland. Control device for electric transformers. 2,137,433; Nov. 22.
Wolcott, Chas E., et al. (See Faubion, Charles A., assignor.)
Wolfe, John W., administrator, de bonis non. (See Lincoln, B. H., Steiner, and Henriksen.)
Wood, Edward L., Detroit, Mich., assignor to Gar Wood Industries, Inc. Bearing and support. 2,137,434; Nov. 22.
Wood, Gar, Industries, Inc. (See Wood, Edward L., assignor.)
Woodson, James C., assignor to Lee Wilson Sales Corporation, Cleveland, Ohio. Coil annealing furnace. 2,137,869; Nov. 22.
Woodson, James C., Cleveland, Ohio, assignor to Lee Wilson Sales Corporation. Heating apparatus. 2,137,870; Nov. 22.
Woodstock, Williard H., Homewood, assignor to Victor Chemical Works, Chicago, Ill. Organic phosphorus-containing compounds. 2,137,792; Nov. 22.
Wright Aeronautical Corporation. (See Browne, Kenneth A., assignor.)
Wright Aeronautical Corporation. (See Campbell, K., and Taylor, assignors.)
Wright Aeronautical Corporation. (See Chilton, Roland, assignor.)
Wright Aeronautical Corporation. (See Higbie, V., and Young, assignors.)
Wright Aeronautical Corporation. (See Hill, H. C., and Landauer, assignors.)
Wright Aeronautical Corporation. (See Shay, Charles M., assignor.)
Wright, Leonard M., Dunedin, New Zealand. Treatment of tea. 2,137,374; Nov. 22.
Wrigley, Wm., Jr., Company. (See Wilson, Robert L., assignor.)
Wroble, Theodore M. (See Johnson, A. C., and Wroble.)
Yochem, Donald E., Columbus, Ohio. Apparatus for washing dishes, silverware, and the like. 2,137,971; Nov. 22.
Yolles, Jacob, Bronx, assignor to Radio Corporation of America, New York, N. Y. Volume control device. 2,137,435; Nov. 22.
Young, Fred M., Racine, Wis. Refrigerator car. 2,137,555; Nov. 22.
Young, Fred M., Racine, Wis., assignor of one-half to S. R. Lorraine, Glendale, Calif. Oil filter. 2,137,556; Nov. 22.
Young, Raymond W. (See Higbie, V., and Young.)
Zeiss, Carl. (See Huber, Sylvester, assignor.)
Zeiss Ikon Aktiengesellschaft. (See Nerwin, Hubert, assignor.)
Zell, David H., Brooklyn, N. Y. Coin bank. 2,137,885; Nov. 22.
Zell, David H., Brooklyn, N. Y. Compact. 2,137,886; Nov. 22.
Ziganek, Ferdinand, Detroit, Mich. Punch retainer. 2,137,557; Nov. 22.
Zimmerman, Alva C., Iowa City, Iowa. Ice cutter. 2,137,476; Nov. 22.
Zinkil, Roy H., Oak Park, assignor to Crane Co., Chicago, Ill. Vacuum breaker. 2,137,520; Nov. 22.
Zublin, John A., Los Angeles, Calif. Producing cutting teeth. 2,137,470; Nov. 22.
Zublin, John A., Los Angeles, Calif. Composite welding rod. 2,137,471; Nov. 22.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 22D DAY OF NOVEMBER, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Antenna. N. E. Lindenblad. Re 20,922; Nov. 22.
Figs. Treating. C. F. Love. Re 20,923; Nov. 22.
Mat for cooking appliances, Protective. B. Nickle. Re. 20,924; Nov. 22.
Measuring and controlling apparatus. J. D. Ryder. Re. 20,927; Nov. 22.
Support, Leg. G. L. Rees. Re. 20,925; Nov. 22.
Trinitrotoluene, Purification of. J. A. Wyler. Re. 20,926; Nov. 22.

LIST OF DESIGN INVENTIONS

Aerial, Extensible radio. C. W. Martin. 112,288; Nov. 22.
Bar, Portable. I. Salomon. 112,242; Nov. 22.
Base and pedestal for table lamps, Combined. J. Wilcox. 112,265; Nov. 22.
Belt, Wooden link. J. T. Huddle. 112,303; Nov. 22.
Book end. E. S. Lynch. 112,260; Nov. 22.
Bottle. R. A. Blunt. 112,272–7; Nov. 22.
Box, Display. G. R. Graff. 112,282; Nov. 22.
Box or similar article, Display. D. Logan. 112,259; Nov. 22.
Braid or similar article of manufacture. E. Hansmann. 112,302; Nov. 22.
Cabinet, Refrigerator. E. L. Hayes. 112,253; Nov. 22.
Cap for burial casket handles. S. Junkunc, Jr. 112,284; Nov. 22.
Card, Playing. O. S. Ottewell. 112,292; Nov. 22.
Case for radio receiving or transmitting apparatus. S. J. Levy. 112,287; Nov. 22.
Casing, Vending machine. J. C. Trice. 112,295; Nov. 22.
Chair. A. J. Baum. 112,270; Nov. 22.
Container and thread display, Combined. A. B. Collingbourne. 112,266; Nov. 22.
Container cap. C. McQuinn. 112,289; Nov. 22.
Container, Humidifier. J. and G. Krapf. 112,286; Nov. 22.
Cover for a measuring instrument case. C. F. Wetherbee. 112,264; Nov. 22.
Cover unit for automobiles, Radiator grille. W. L. Morrison. 112,291; Nov. 22.
Dish or similar article. M. Exelmans. 112,247; Nov. 22.
Dress. L. Burke. 112,312; Nov. 22.
Dress. S. Chapman. 112,313; Nov. 22.
Dress. R. Feintuck. 112,314; Nov. 22.
Dress. Y. Guyon. 112,315; Nov. 22.
Dress. G. Klein. 112,316; Nov. 22.
Dress. M. Lawrence. 112,317; Nov. 22.
Dress. A. E. Levy. 112,318–20; Nov. 22.
Dress. A. Maidman. 112,321; Nov. 22.
Dress. D. W. Price. 112,322; Nov. 22.
Dress. S. Wicha. 112,325; Nov. 22.
Dress ensemble. J. Vallee. 112,324; Nov. 22.
Drying apparatus, Garment. F. E. Beluche and W. F. Brace. 112,243; Nov. 22.
Fabric or similar article, Textile. M. R. Turner. 112,297; Nov. 22.
Fabric or similar article, Textile. N. L. Wershing. 112,311; Nov. 22.
Fabric, Textile. C. E. Forstmann. 112,300; Nov. 22.
Fabric, Textile. S. Golland. 112,301; Nov. 22.
Fabric, Textile. J. Umansky. 112,323; Nov. 22.
Ferrule, Pencil. A. L. Davis. 112,278; Nov. 22.
Freezer, Domestic ice cream. H. J. Kettleborough. 112,255; Nov. 22.
Hat. S. Lish. 112,327; Nov. 22.
Hat, Sport. H. S. Jaccard. 112,304; Nov. 22.
Heel. C. B. Court. 112,267; Nov. 22.
Humidor. D. W. Dunberg. 112,280; Nov. 22.
Jewelry setting or similar article. J. H. Schaeffer. 112,293; Nov. 22.
Lace. B. Edson. 112,299; Nov. 22.
Lamp and bracket for trucks, Combined side. C. M. Bolser. 112,244; Nov. 22.
Lamp, Floor. M. H. Gengoult. 112,250; Nov. 22.
Lamp, Table. M. H. Gengoult. 112,249; Nov. 22.
Mirror and mounting therefor, Rear view. J. W. Anderson. 112,268; Nov. 22.
Ornament or similar article, Hat. S. Antenberg. 112,326; Nov. 22.
Pan, Baking. J. G. Jackson. 112,254; Nov. 22.
Pen or similar article, Fountain. B. W. Hanle. 112,283; Nov. 22.
Ring, Finger. M. Goodman. 112,281; Nov. 22.
Ring, Finger. F. P. Kinsley. 112,285; Nov. 22.
Ring mounting or similar article. J. Berland. 112,271; Nov. 22.
Scale, vending machine, and advertising cabinet, Combined. J. C. Trice. 112,296; Nov. 22.
Scarf. A. M. Lowenthal. 112,309; Nov. 22.
Shade or similar article, Light. J. V. Donner. 112,245–6; Nov. 22.
Sheet or similar article, Plastic. H. E. Smith. 112,294; Nov. 22.
Shoe. D. Gilbert. 112,251; Nov. 22.
Shoe. D. Levin. 112,258; Nov. 22.
Shoe. D. Levin. 112,308; Nov. 22.
Shoe or similar article. K. B. Keyes. 112,256–7; Nov. 22.
Shoe or similar article. D. Levin. 112,305–7; Nov. 22.
Spoon or other article of flatware. J. R. Price. 112,310; Nov. 22.
Stand, Display. M. H. Stephens. 112,261; Nov. 22.
Suit or similar article, Sun. D. G. Carpenter. 112,298; Nov. 22.
Support. Painter's implement. H. E. J. Wackwitz. 112,262; Nov. 22.
Switch, Flashlight. I. L. Ferris. 112,248; Nov. 22.
Tank for outboard motor, Gasoline. J. R. Morgan. 112,290; Nov. 22.
Thermostat, Room. J. F. Barnes, J. O. Reinecke, and R. W. Johnson. 112,269; Nov. 22.
Toaster or the like, Electric. D. L. Hadley. 112,252; Nov. 22.
Tray and lamp, Combined manicurist's. A. di Nardo and B. D. Lieber. 112,279; Nov. 22.
Watchcase. A. W. Wadsworth. 112,263; Nov. 22.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 22D DAY OF NOVEMBER, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A,B-dihalogenethylketones. O. Bayer and J. Nelles. 2,137,664; Nov. 22.
Abietyl compounds and products produced thereby, Treatment of. E. R. Littmann. 2,137,576; Nov. 22.
Abrading instrument. J. W. Gallo. 2,137,610; Nov. 22.
Abrasive article and its manufacture. J. A. Boyer. 2,137,329; Nov. 22.
Accelerator, Foot. E. B. Tripp. 2,137,596; Nov. 22.
Acids from gases containing the same, Washing out of weak gaseous. H. Baehr, H. Mengdehl, and W. Wenzel. 2,137,602; Nov. 22.
Adobe and other porous material, Preserving. F. T. Martius. 2,137,247; Nov. 22.
Aerating device for minnow buckets. J. F. Haldeman. 2,137,397; Nov. 22.
Agitator for paint drums and the like. R. M. Wilson and J. H. Ingraham. 2,137,432; Nov. 22.
Aileron control for airplanes. E. Fischel. 2,137,974; Nov. 22.
Air breezing apparatus. H. Abrams. 2,137,661; Nov. 22.
Air conditioner. R. W. Church and T. H. Ware. 2,137,905; Nov. 22.
Air conditioning apparatus. G. W. Coin. 2,137,567; Nov. 22.
Air conditioning system. R. B. P. Crawford. 2,137,769; Nov. 22.
Air conditioning system. R. B. P. Crawford. 2,137,996; Nov. 22.
Aircraft control system. A. G. Butler. 2,137,385; Nov. 22.
Airplane. H. L. Grimes. 2,137,486; Nov. 22.
Airplane. W. W. Rothenhoefer. 2,137,952; Nov. 22.
Alcohol, Drying. R. B. Derr. 2,137,605; Nov. 22.
Aligner for manifolding sheaves. R. V. Potteiger. 2,137,588; Nov. 22.
Alloy: *See*—
Metal alloy.
Alloy and method, Deoxidizing. J. Strauss and G. L. Norris. 2,137,863; Nov. 22.
Alloys, Copper. F. R. Hensel and E. I. Larsen. 2,137,281–5; Nov. 22.
Altitude control means for aircraft. P. E. Köster. 2,137,942; Nov. 22.
Aluminum compound, Adherent. C. H. Hempel. 2,137,988; Nov. 22.
Ammonium compounds, Producing quaternary. H. Ulrich and E. Ploetz. 2,137,314; Nov. 22.
Ammonium sulphate, Apparatus for the manufacture of. E. Schellenburg. 2,137,729; Nov. 22.
Amplifier circuit. F. H. Shepard, Jr. 2,137,419; Nov. 22.
Amplifier system. R. H. George and H. J. Heim. 2,137,278; Nov. 22.
Amplifier, Thermionic. D. L. Plalstowe. 2,137,413; Nov. 22.
Amusement apparatus. H. S. Hopkins. 2,137,976; Nov. 22.
Amusement apparatus. R. B. McCutcheon. 2,137,345; Nov. 22.
Amusement device. H. W. Hanna. 2,137,839; Nov. 22.
Animal trap. M. W. Gatch. 2,137,739; Nov. 22.
Animated sign. F. Hotchner. 2,137,289; Nov. 22.
Antenna fair-lead. A. A. Green. 2,137,450; Nov. 22.
Antiskid device. P. E. Wimmenauer. 2,137,935; Nov. 22.
Apparatus for receiving delivered commodities and preventing theft thereof. A. Sutcliffe. 2,137,367; Nov. 22.
Article and making same, Braided. J. De Francesco. 2,137,770; Nov. 22.
Article and producing the same. W. Wade and H. H. Replogle. 2,137,707; Nov. 22.
Article made from perforated cellulose sheets. W. A. Heyman. 2,137,243; Nov. 22.
Article of manufacture. R. E. Thomas. 2,137,969; Nov. 22.
Articles, Apparatus for die casting. R. E. McIntosh. 2,137,539; Nov. 22.
Articles from polymeric materials, Shaped. W. H. Carothers. 2,137,235; Nov. 22.
Articles, Manufacture of bonded and coated metallic. C. E. Swartz and J. E. Wilkey. 2,137,464; Nov. 22.
Asphalt emulsions, Producing. R. J. Garofalo. 2,137,975; Nov. 22.
Attachment plug. M. W. Berger and P. Weinberg. 2,137,258; Nov. 22.
Automatic switch. R. Taylor and G. T. Baker. 2,137,422–3; Nov. 22.
Automobile decking device. L. H. Cooper. 2,137,979; Nov. 22.
Automobile decking device. W. J. Nightingale. 2,137,980; Nov. 22.
Automobile insulation. C. D. Wallach. 2,137,324; Nov. 22.
Automobile loading device. W. J. Nightingale. 2,137,981; Nov. 22.
Automobiles, Starting. C. Elder. 2,137,894; Nov. 22.
Balancing means for automobile wheels. C. F. Rubsam. 2,137,415; Nov. 22.
Ballast working implement. C. Jackson. 2,137,842; Nov. 22.
Bank, Coin. D. H. Zell. 2,137,885; Nov. 22.
Bars, Making embedded. B. F. Friberg. 2,137,718; Nov. 22.
Bearing. E. S. Hall. 2,137,487; Nov. 22.
Bearing and support. E. L. Wood. 2,137,434; Nov. 22.
Bearing assembly, Journal. E. H. Piron. 2,137,543; Nov. 22.
Bearing washer. F. G. Welke. 2,137,660; Nov. 22.
Belt and band and their fastening, Waist and like. F. J. Bayliss. 2,137,796; Nov. 22.
Belt fastener. G. A. Carlson. 2,137,564; Nov. 22.
Belt or corset, Health. W. R. Greenfield. 2,137,838; Nov. 22.
Beverages, Mechanism for dispensing. J. W. Cunningham. 2,137,527; Nov. 22.
Bimetallic elements, Making. T. J. Smulski. 2,137,309; Nov. 22.
Blasting charges, Method of and device for flushing-in. K. Böll and A. Edelhoff. 2,137,261; Nov. 22.
Blind, Venetian. C. E. Clancy. 2,137,444; Nov. 22.
Blocking device for cash registers, bookkeeping machines, or the like. A. Klaar. 2,137,845; Nov. 22.
Boilers, Apparatus for the fireside cleaning of. B. M. Thompson. 2,137,253; Nov. 22.
Bottle heater. J. A. Martin. 2,137,676; Nov. 22.
Bow straightening apparatus. F. J. Stevens. 2,137,252; Nov. 22.
Box: *See*—
Display box. Typewriter box.
Bracket: *See*—
Supporting bracket.
Brake: *See*—
Coaster brake.
Brake. H. G. Axtmann. 2,137,522; Nov. 22.
Brake. E. G. Carroll. 2,137,525; Nov. 22.
Brake. M. La Londe. 2,137,991; Nov. 22.
Brake equipment, Railway train. G. L. Cotter. 2,137,227; Nov. 22.
Brake equipment, Train. E. E. Hewitt. 2,137,228; Nov. 22.
Branding device. E. W. Ashton. 2,137,891; Nov. 22.
Building assembly and cant strip. W. Gillett. 2,137,889; Nov. 22.
Building construction. D. S. Betcone. 2,137,767; Nov. 22.
Bulbs, Making frosted. J. J. Flaherty. 2,137,683; Nov. 22.
Bumper, Automobile. J. F. King. 2,137,914; Nov. 22.
Burner: *See*—
Oil burner.
Bushing, Insulated. R. J. Tingle, W. W. Barcy, and J. E. Fuchs. 2,137,313; Nov. 22.
Cabinet: *See*—
Switch cabinet.
Cable: *See*—
Electric cable.
Cable clamp. G. P. Schwabacher. 2,137,858; Nov. 22.
Camera and attachments therefor, Photographic. N. P. Billing. 2,137,378; Nov. 22.
Camera attachment. O. C. Gilmore. 2,137,570; Nov. 22.
Can sealing apparatus. J. Junkunc. 2,137,245; Nov. 22.
Carburetor. L. Crockett. 2,137,665; Nov. 22.
Car: *See*—
Refrigerator car.
Card shuffling machine. H. E. Stonebraker. 2,137,513; Nov. 22.
Carrier: *See*—
Money carrier.
Carrier for storage batteries. J. Mistrett. 2,137,922; Nov. 22.
Cartridge holder. W. W. Vogel. 2,137,680; Nov. 22.
Cases, Manufacture of cartridge. H. A. Roberts. 2,137,350; Nov. 22.
Casing material. C. T. Walter. 2,137,904; Nov. 22.
Casings, Sewing. C. T. Walter. 2,137,903; Nov. 22.
Catalytic hydrogenation process. W. A. Lazier. 2,137,407; Nov. 22.
Cathode ray tube. K. Schlesinger. 2,137,352; Nov. 22.
Cellophane dispensing machine. N. Lester and L. A. Becker. 2,137,724; Nov. 22.

Cellulose products, Manufacture of artificial. W. Schieber and W. Harz. 2,137,955; Nov. 22.
Cellulosic structure. T. F. Banigan. 2,137,301; Nov. 22.
Chain drill. D. H. Goodman. 2,137,940; Nov. 22.
Chair: *See*—
Folding chair.
Chair, seat, and the like. A. H. Gabb. 2,137,335; Nov. 22.
Chair tip and fastener therefor. G. W. Hambrook. 2,137,803; Nov. 22.
Charges, Method of and apparatus for weighing out. N. E. Dorrington. 2,137,334; Nov. 22.
Chassis, Automobile. C. Macbeth. 2,137,848; Nov. 22.
Chemical process. R. W. Maxwell. 2,137,343; Nov. 22.
Chip breaker. R. D. Shaw. 2,137,358; Nov. 22.
Chocolate, Manufacture of. W. T. Jones and L. Dotzer. 2,137,294; Nov. 22.
Cigarette, Impregnated. R. T. Ubben. 2,137,706; Nov. 22.
Circuit: *See*—
Amplifier circuit. Detector output circuit.
Current power circuit. Telephone circuit.
Circuit breaker. R. C. Dickinson and W. M. Leeds. 2,137,873; Nov. 22.
Circuit controlling apparatus, Electric. C. H. Lorenz. 2,137,919; Nov. 22.
Circuit for suppressing disturbance waves and upper harmonics. W. Buschbeck. 2,137,265; Nov. 22.
Circuit without upper harmonics, Cascade amplifier. H. Wessels. 2,137,867; Nov. 22.
Circuits, Signal selector. G. Mountjoy. 2,137,475; Nov. 22.
Clamp: *See*—
Cable clamp. Ground clamp.
Expansible clamp.
Clasp, Bracelet. P. Manickas. 2,137,920; Nov. 22.
Cleaner: *See*—
Windshield cleaner.
Cleaning device. J. E. Allen. 2,137,300; Nov. 22.
Closure. R. F. Goecke. 2,137,483; Nov. 22.
Closure, Receptacle. A. L. Merolle. 2,137,695; Nov. 22.
Clothes drier. H. W. Altorfer. 2,137,376; Nov. 22.
Clutch: *See*—
Laminated disk clutch. Overrunning clutch.
Clutch control mechanism. H. W. and E. R. Price. 2,137,544; Nov. 22.
Coal, Treating. O. M. Urbain and W. R. Stemen. 2,137,932–3; Nov. 22.
Coaster brake. E. S. Buchanan. 2,137,562; Nov. 22.
Coffee maker handle. W. R. Weeks. 2,137,884; Nov. 22.
Coil annealing furnace. J. C. Woodson. 2,137,869; Nov. 22.
Coil apparatus, Beer. W. F. Mayer. 2,137,297; Nov. 22.
Coin handling mechanism. H. B. Myers. 2,137,501; Nov. 22.
Collapsible table. W. B. Craighead. 2,137,229; Nov. 22.
Color transfer, Convertible. M. J. Palm. 2,137,456; Nov. 22.
Comestibles, Freezing and dispensing. C. A. Rodman and J. B. Tanner. 2,137,655; Nov. 22.
Compact. D. H. Zell. 2,137,886; Nov. 22.
Composition of matter and making same. M. Baffa. 2,137,794; Nov. 22.
Compound to revivify wood. C. H. Ostrander. 2,137,948; Nov. 22.
Compounds and the products thereof, Production of sulphur-containing high molecular weight. E. Ott. 2,137,584; Nov. 22.
Compounds of water soluble keratin splitting products, Obtaining metal. E. Sturm and R. Fleischmann. 2,137,927; Nov. 22.
Compressor. A. D. Ferguson. 2,137,752; Nov. 22.
Compressor. C. R. Neeson. 2,137,965; Nov. 22.
Compressor and similar device. W. J. Hilliard. 2,137,649; Nov. 22.
Compressor control mechanism. B. S. Aikman. 2,137,219; Nov. 22.
Compressor lubricator. B. S. Aikman. 2,137,220; Nov. 22.
Condensation products and producing same, Nitrogenous. K. Koeberle. 2,137,295; Nov. 22.
Condenser: *See*—
Electric condenser.
Conduit construction, Method and apparatus for. C. W. Abbott. 2,137,887; Nov. 22.
Connecter: *See*—
Service connecter.
Connection for electrical devices, Terminal. K. F. Rodgers. 2,137,809; Nov. 22.
Connection system for television receivers, Receiving. K. Schlesinger. 2,137,354; Nov. 22.
Container: *See*—
Merchandise container. Plant container.
Packaging container.
Container. H. S. Hinkle. 2,137,614; Nov. 22.
Continuous gauge. S. B. Terry. 2,137,368; Nov. 22.
Control apparatus, Automatic. W. A. Barr. 2,137,222; Nov. 22.
Control device for electric transformers. E. Wirz. 2,137,433; Nov. 22.
Control for air conditioning apparatus, Selective. H. R. Crago. 2,137,833; Nov. 22.
Control for internal combustion engines, Directional intake. J. J. McCarthy. 2,137,344; Nov. 22.
Control for lifts, Electric system of. N. C. Smart. 2,137,925; Nov. 22.
Control mechanism. M. C. Rowley. 2,137,953; Nov. 22.
Control mechanism. S. Vorech. 2,137,961; Nov. 22.
Control of washing and other machines, Automatic. D. Y. B. Tanqueray. 2,137,928; Nov. 22.
Control system for pulverized fuel burners. E. V. Francis. 2,137,754; Nov. 22.
Cooler: *See*—
Water cooler.
Corn conversion process. R. E. Daly and J. F. Walsh. 2,137,973; Nov. 22.
Cotton conveying, cleaning, feeding, and drying apparatus. W. L. Steinhauer. 2,137,512; Nov. 22.
Counterbalancing means for automobile wheels. C. F. Rubsam. 2,137,416; Nov. 22.
Counting device. J. Albertoll. 2,137,320; Nov. 22.
Coupling. J. B. Kelley and W. P. Schmitter. 2,137,964; Nov. 22.
Covering material. C. E. Rahr. 2,137,308; Nov. 22.
Cowling, Controllable engine. K. Campbell and P. B. Taylor. 2,137,386; Nov. 22.
Crank driving mechanism, Multiple. W. P. Valentine. 2,137,552; Nov. 22.
Cream and product, Manufacture of alginated whipped. A. Kleerup. 2,137,916; Nov. 22.
Cream removing device. F. L. Meissner. 2,137,620; Nov. 22.
Cream, Treatment of. G. W. Phelps, R. Bradley, and D. C. Pierle. 2,137,899; Nov. 22.
Cup, Musical instrument valve drip. A. Natoli. 2,137,992; Nov. 22.
Curling device. L. G. Arpin and A. J. Bedwell. 2,137,828; Nov. 22.
Current into alternating current, Device for transforming direct. J. W. Alexander. 2,137,375; Nov. 22.
Current power circuit, Alternating. R. O. Lundholm and H. Spanne. 2,137,579; Nov. 22.
Cutter: *See*—
Doughnut cutter. Ice cutter.
Cutting, folding, and stapling mechanism for use with printing machines. T. J. Mills and C. G. Quick. 2,137,978; Nov. 22.
Cutting or grinding equipment. H. J. Perazzoli. 2,137,306; Nov. 22.
Cylinder attachment. R. Chilton. 2,137,391; Nov. 22.
Cylinder for hydraulic brake systems, Master. J. W. White. 2,137,554; Nov. 22.
Damper, Dynamic. C. M. Shay. 2,137,418; Nov. 22.
Degreasing apparatus. C. F. Dinley. 2,137,479; Nov. 22.
Desk unit, School. E. J. Santee. 2,137,509; Nov. 22.
Detector output circuit. J. Schunack. 2,137,545; Nov. 22.
Device for guiding the rollers of antifriction bearings. W. Offermanns. 2,137,346; Nov. 22.
Diamides of organic dicarboxylic acids and producing same. H. Hopff and H. Ohlinger. 2,137,287; Nov. 22.
Di-diethylamide, Manufacture of phthalic. F. Haffner and F. Sommer. 2,137,279; Nov. 22.
Direct-current measuring means. W. Krämer. 2,137,878; Nov. 22.
Direction finder correcting loop. B. L. Dolbear. 2,137,273; Nov. 22.
Disazodyestuffs and their manufacture. H. Mirocourt and M. G. Jirou. 2,137,498; Nov. 22.
Discharge device. T. A. Elder. 2,137,836; Nov. 22.
Dishes, silverware, and the like, Apparatus for washing. D. E. Yochem. 2,137,971; Nov. 22.
Dispenser: *See*—
Lubricant dispenser. Towel dispenser.
Display and shipping box, Combined. M. M. Soybel. 2,137,420; Nov. 22.
Display box. F. E. Cummings. 2,137,906; Nov. 22.
Display rack. L. H. Best. 2,137,749; Nov. 22.
Display rack, Folding. D. W. Flagler. 2,137,895; Nov. 22.
Display stand. L. H. Best. 2,137,748; Nov. 22.
Distillation, Apparatus for high-vacuum. B. E. A. Vigers and J. L. McCowen. 2,137,553; Nov. 22.
Distilling apparatus for high-boiling liquids such as coal tar. H. Koppers. 2,137,722; Nov. 22.
Doll. A. Marsh. 2,137,371; Nov. 22.
Doll, Dancing. J. S. Lincoln. 2,137,575; Nov. 22.
Door fastening means. J. Reis. 2,137,654; Nov. 22.
Door handling mechanism. E. W. Schellentrager. 2,137,763; Nov. 22.
Doughnut cutter. J. W. Royal. 2,137,811; Nov. 22.
Dovetail and lock keeper, Combination. W. C. Devereaux. 2,137,271; Nov. 22.
Drier: *See*—
Clothes drier.
Drill: *See*—
Chain drill.
Drilling tool. E. F. Terry. 2,137,658; Nov. 22.
Drying process. H. Hollerer. 2,137,404; Nov. 22.
Dust collector. D. C. Turnbull. 2,137,254; Nov. 22.
Duster, Pump. C. D. Collins. 2,137,526; Nov. 22.
Dye stain. J. F. T. Berliner. 2,137,830; Nov. 22.
Dye stain composition. J. F. T. Berliner. 2,137,871; Nov. 22.
Dyes, process and product, Direct. S. S. Rossander. 2,137,810; Nov. 22.
Dynamometer. C. E. Johnson. 2,137,530; Nov. 22.
Earth moving device. E. W. Austin. 2,137,829; Nov. 22.
Easel, Sign. B. A. Slaugenhaupt. 2,137,594; Nov. 22.
Eaves trough hanger. F. R. Payne. 2,137,781; Nov. 22.

Educational device. A. C. Ellis. 2,137,447; Nov. 22.
Educational device. G. W. Watkins. 2,137,736; Nov. 22.
Egg and making same, Liquid. H. Heuser. 2,137,758; Nov. 22.
Elastic attaching device, Fabric covered. H. Skora. 2,137,814; Nov. 22.
Electric cable, High frequency. E. W. Smith, J. N. Dean, and F. Mattingley. 2,137,926; Nov. 22.
Electric condenser. M. Osnos. 2,137,411; Nov. 22.
Electric discharge device. J. H. Hutchings. 2,137,841; Nov. 22.
Electric generator. C. A. Faubion. 2,137,738; Nov. 22.
Electrical contact and making the same. R. H. Imes. and H. F. Fruth. 2,137,617; Nov. 22.
Electrical control device. E. Hobbie. 2,137,401; Nov. 22.
Electricity meter. R. Pudelko. 2,137,807; Nov. 22.
Electrode system and making same. W. C. van Geel and H. Emmens. 2,137,316; Nov. 22.
Electrode system of unsymmetrical conductivity. W. C. van Geel and H. Emmens. 2,137,428; Nov. 22.
Electron discharge tube system. N. Minorsky. 2,137,299; Nov. 22.
Electron tube. A. Gaebel. 2,137,609; Nov. 22.
Electron tube. A. A. Thomas. 2,137,424; Nov. 22.
Enbalming instrument. R. W. Tyler. 2,137,635; Nov. 22.
Embroidering attachment. D. Litsey. 2,137,454; Nov. 22.
Emulsion and producing the same. U. B. Bray and L. B. Beckwith. 2,137,226; Nov. 22.
Enamel, Smelting. R. H. Turk. 2,137,930; Nov. 22.
Engine: *See*—
Internal combustion engine.
Engine. C. F. Smith. 2,137,730; Nov. 22.
Engine intercooler, Aircraft. V. Higbie and R. W. Young. 2,137,399; Nov. 22.
Engines, Facilitating starting of internal combustion. J. V. Gil. 2,137,482; Nov. 22.
Envelope, Film. N. P. Billing and A. H. Tapper. 2,137,379; Nov. 22.
Envelope, Film. N. P. Billing and A. G. Willis. 2,137,380; Nov. 22.
Expansible clamp. C. D. Ulrich. 2,137,315; Nov. 22.
Explosive device. G. E. Barnhart. 2,137,436; Nov. 22.
Eye testing apparatus. G. B. Ruby. 2,137,702; Nov. 22.
Fabric and the product thereof, Manufacturing rubber impregnated. E. C. Gwaltney. 2,137,339; Nov. 22.
False twist mechanism for drawing textile rovings. F. Casablancas. 2,137,565; Nov. 22.
Fan. G. W. Harding. 2,137,671; Nov. 22.
Fastener: *See*—
Belt fastener. Wall fastener.
Radiator grille fastener.
Fastener and installation of the same, Grille. W. I. Jones. 2,137,532; Nov. 22.
Fastener-applying implement. J. F. Cavanagh. 2,137,642; Nov. 22.
Fastener device. E. E. Lundberg. 2,137,653; Nov. 22.
Fastener device. E. E. Lundberg, C. B. Doty, an E. R. Hathaway. 2,137,652; Nov. 22.
Fastener device. F. N. Ross. 2,137,657; Nov. 22.
Fastener means, Cleat. J. J. Conner. 2,137,713; Nov. 22.
Fastening device for pocketbooks and the like. W. I. Jones. 2,137,531; Nov. 22.
Fats, oils, and waxes, Modifying natural. W. R. Eipper. 2,137,667; Nov. 22.
Feeder: *See*—
Glass feeder.
Feeder for pens, Adjustable. R. F. George. 2,137,449; Nov. 22.
Feeding mechanism for rock drills. L. L. Richardson. 2,137,900; Nov. 22.
Fertilizer base and producing the same, Nitrogenous. S. Strong and W. J. Gascoyne, Jr. 2,137,365; Nov. 22.
Film and making same, Cellulosic. D. E. Drew. 2,137,274; Nov. 22.
Film magazine. A. J. Abrams. 2,137,601; Nov. 22.
Filter: *See*—
Oil filter.
Filter. F. L. Myers. 2,137,246; Nov. 22.
Finger ring. A. E. Dixon. 2,137,835; Nov. 22.
Firearm barrel, Composite. T. I. S. Boak. 2,137,259; Nov. 22.
Firearm frame and making same. E. Pugsley. 2,137,808; Nov. 22.
Fish for filleting, Preparing. W. H. Hunt. 2,137,291; Nov. 22.
Fishing leader reel. A. H. Krimmel. 2,137,618; Nov. 22.
Fitting for baths and the like, Waste. F. Klein. 2,137,496; Nov. 22.
Fitting for collapsible tubs. W. C. Baxter. 2,137,223; Nov. 22.
Flame machining and welding. F. C. Gelbig and W. J. Jacobsson. 2,137,801; Nov. 22.
Flashlight, Electric. T. R. Arden. 2,137,230; Nov. 22.
Float, Fishing. J. A. Hingle. 2,137,341; Nov. 22.
Floor waxing implement. M. J. MacLeod. 2,137,944; Nov. 22.
Fluid pressure indicating device. A. G. Kershaw. 2,137,495; Nov. 22.
Fluorspar from zinc concentrates, Removing. F. C. Abbott, S. R. B. Cooke, and C. O. Anderson. 2,137,600; Nov. 22.
Fly trap. J. M. Novak. 2,137,582; Nov. 22.
Foam for fire extinguishing purposes, Apparatus for producing. W. Gosmann. 2,137,338; Nov. 22.
Folding chair. J. Brandenburg. 2,137,799; Nov. 22.
Folding chair. R. C. Thomson. 2,137,427; Nov. 22.
Folding handle. J. M. Pattey. 2,137,457; Nov. 22.
Forceps. A. W. Anderson. 2,137,710; Nov. 22.
Form, Garment. M. D. Landsman. 2,137,691; Nov. 22.
Fountain for printing presses, Color. T. G. Riordan. 2,137,590; Nov. 22.
Freezing process, Quick. C. T. Walter. 2,137,902; Nov. 22.
Frequency converter. A. M. Rossman. 2,137,990; Nov. 22.
Frequency meter. R. D. Schwartz, W. W. Moe, and L. J. Hartley. 2,137,859; Nov. 22.
Fruit juices, Extracting. R. Polk, Sr. and W. Polk, Jr. 2,137,414; Nov. 22.
Fuel, Diesel. R. C. Moran and G. S. Crandall. 2,137,410; Nov. 22.
Fuel injector or atomizer for internal combustion engines. T. C. Makins. 2,137,473; Nov. 22.
Fuel metering and distributing system. K. A. Browne. 2,137,384; Nov. 22.
Fuel saving apparatus, Motor. E. Kromer. 2,137,574; Nov. 22.
Fume exhausting apparatus. C. K. Steins. 2,137,862; Nov. 22.
Furnace: *See*—
Coil annealing furnace. Warm air furnace.
Heating furnace.
Furnace. W. D. Bradford. 2,137,892; Nov. 22.
Furnace. O. D. Rice. 2,137,856; Nov. 22.
Furnace construction. P. Wingert. 2,137,827; Nov. 22.
Furnace for melting fine and granular substances. A. Sprenger. 2,137,363; Nov. 22.
Furniture. H. Feldman. 2,137,717; Nov. 22.
Furniture base. H. L. Olschlager and A. J. Ellis. 2,137,923; Nov. 22.
Fuse for projectiles, Percussion. L. E. Rémondy. 2,137,983; Nov. 22.
Fuse plug, Multiple. W. Skojec. 2,137,593; Nov. 22.
Fuse, Self-indicating plug. R. W. King. 2,137,342; Nov. 22.
Garment hanger. W. Rader. 2,137,824; Nov. 22.
Garment hanger. F. W. Reehl. 2,137,700; Nov. 22.
Gas, Apparatus for the continuous production of water. H. Koppers. 2,137,723; Nov. 22.
Gas lift valve. T. E. Bryan. 2,137,441; Nov. 22.
Gases or vapors with liquids, Apparatus for treating. W. von der Emde. 2,137,735; Nov. 22.
Gauge: *See*—
Continuous gauge. Illuminated gauge.
Gauge control apparatus. W. R. Hetler. 2,137,611; Nov. 22.
Gear: *See*—
Landing gear.
Gear mechanism. K. C. Bugg. 2,137,524; Nov. 22.
Gear shifting mechanism. G. A. Gemmer. 2,137,337; Nov. 22.
Gear shifting mechanism. T. J. Turek. 2,137,959; Nov. 22.
Generator: *See*—
Electric generator. Oscillation generator.
Gem cutting machine. G. M. Johns. 2,137,405; Nov. 22.
Glass feeder. J. Tipping. 2,137,734; Nov. 22.
Glass, Laminated. W. Bauer and P. Weisert. 2,137,377; Nov. 22.
Governor. G. B. Karelitz. 2,137,689; Nov. 22.
Governor for steam driven compressors, Flywheel. W. Raymond. 2,137,589; Nov. 22.
Grater, Food. C. A. Sundstrand. 2,137,366; Nov. 22.
Gravimeter. C. A. Heiland. 2,137,963; Nov. 22.
Grease and making the same. S. E. Jolly and W. M. McKee. 2,137,494; Nov. 22.
Grinding equipment. H. J. Perazzoli. 2,137,305; Nov. 22.
Grinding machine. R. A. Cole. 2,137,644; Nov. 22.
Grinding machine. H. W. Dunbar and H. S. Indge. 2,137,821; Nov. 22.
Ground clamp. N. G. Hayes. 2,137,840; Nov. 22.
Guard for rakes. W. K. Flavin. 2,137,608; Nov. 22.
Gum, Chewing. R. L. Wilson. 2,137,746; Nov. 22.
Gun and automatic small arms, Machine. P. R. Higson. 2,137,612; Nov. 22.
Gun mount control, Flexible. C. G. Trimbach and C. R. Lemonier. 2,137,640; Nov. 22.
Hacksaw. E. M. Jack. 2,137,742; Nov. 22.
Hair waver. F. A. Stubbs and J. C. Sabbath. 2,137,595; Nov. 22.
Handle: *See*—
Coffee maker handle. Folding handle.
Handle and blade, Saw. J. E. Davey. 2,137,800; Nov. 22.
Hanger: *See*—
Eaves trough hanger. Garment hanger.
Hanger device, Garment. J. C. Clairon. 2,137,268; Nov. 22.

Harmonica. W. R. Steele. 2,137,251; Nov. 22.
Heater: *See*—
Bottle heater.
Heater. F. L. Benedict. 2,137,224; Nov. 22.
Heater. W. M. Myler Jr. 2,137,581; Nov. 22.
Heating and cooling, Apparatus for. L. Wilson. 2,137,868; Nov. 22.
Heating apparatus. J. C. Woodson. 2,137,870; Nov. 22.
Heating element for permanent hair waving apparatus and producing the same, Exothermic. J. A. Siebert. 2,137,704; Nov. 22.
Heating furnace. E. C. Lundt. 2,137,693; Nov. 22.
Hinge. W. D. Ferris. 2,137,529; Nov. 22.
Hog-tongue protector. C. F. Wegehoft. 2,137,515; Nov. 22.
Holder: *See*—
Cartridge holder. Price tag holder.
Mop holder. Universal dispensing holder.
Piezoelectric crystal holder.
Holder for cleaning pads or the like. L. Stern. 2,137,631; Nov. 22.
Hollow articles electrolytically, Forming. A. E. Paige. 2,137,806; Nov. 22.
Hook: *See*—
Picture hook.
Hormonal composition. J. S. De Frates. 2,137,240; Nov. 22.
Hydrocarbons and making antiknock gasoline, Reconstituting and dehydrating heavier. C. Ellis. 2,137,275; Nov. 22.
Hydrocarbons containing diolefines, Polymerizing unsaturated. J. Hyman. 2,137,492; Nov. 22.
Hydrocarbons, Treatment of. P. H. Sullivan. 2,137,825; Nov. 22.
Hydrogel and making it, Aluminum hydroxide. C. W. Sondern and C. J. W. Wiegand. 2,137,638; Nov. 22.
Ice cutter. A. C. Zimmerman. 2,137,476; Nov. 22.
Ice-fishing tip-up. L. E. Goodwin. 2,137,771; Nov. 22.
Ice formation, Prevention of. E. A. Driscoll. 2,137,394; Nov. 22.
Illuminated advertising sign. A. C. Skelsey. 2,137,360; Nov. 22.
Illuminated gauge. H. S. Baker and J. W. Motherwell. 2,137,972; Nov. 22.
Impulses, Method of and arrangement for producing correcting. K. Schlesinger. 2,137,351; Nov. 22.
Index, Card. J. C. Williams. 2,137,826; Nov. 22.
Index head. M. Romaine. 2,137,462; Nov. 22.
Indicator: *See*—
Shaft speed indicator.
Indicator for rotatable elements, Control and position. F. G. Gillard. 2,137,684; Nov. 22.
Inductor, Variable. H. L. Cobb. 2,137,392; Nov. 22.
Inertia switch. R. Erich. 2,137,395; Nov. 22.
Ink. W. H. Shields. 2,137,463; Nov. 22.
Instruction device for time telling. W. C. Dorr and J. R. Putnam. 2,137,646; Nov. 22.
Insulating structure for vehicle floors, Thermal. C. D. Wallach. 2,137,322; Nov. 22.
Insulation and ventilating structure for motor vehicles, Thermal. C. D. Wallach. 2,137,323; Nov. 22.
Internal combustion engine. W. Helmore and A. A. Griffith. 2,137,941; Nov. 22.
Internal combustion engine. P. Maniscalco. 2,137,455; Nov. 22.
Iron and steel surfaces, Coating. T. B. Unger. 2,137,370; Nov. 22.
Iron articles, Coated. R. R. Tanner. 2,137,968; Nov. 22.
Iron, Steaming. C. M. Chapin. 2,137,387; Nov. 22.
Isotopes, Concentration of. W. A. Webb. 2,137,430; Nov. 22.
Jacket, Life preserver. G. Mikos. 2,137,580; Nov. 22.
Knitting machine, Circular. C. Smith and J. L. Peterson. 2,137,362; Nov. 22.
Knob, Indicator tap. F. C. Fisher. 2,137,668; Nov. 22.
Label-feeding mechanism. C. W. Blackstone. 2,137,381; Nov. 22.
Laminated disk clutch. H. Kattwinkel. 2,137,977; Nov. 22.
Lamp: *See*—
Signaling lamp. Vehicle head lamp.
Lamp and similar article, Electric incandescent high pressure gas. H. Swanson. 2,137,732; Nov. 22.
Landing device for airplanes, Safety. Z. E. Keough. 2,137,672; Nov. 22.
Landing gear. C. G. Seyferth. 2,137,703; Nov. 22.
Latch: *See*—
Motor vehicle latch.
Latch for pistols, Cartridge magazine. W. L. Huff. 2,137,491; Nov. 22.
Laundry machine and method. J. B. Kirby. 2,137,775; Nov. 22.
Layers for photographic purposes and material therefor, Producing colored colloid. B. Gaspar. 2,137,336; Nov. 22.
Lead styphnate and making it, Basic. W. Brun. 2,137,234; Nov. 22.
Leg structure, Pivoted. O. Jones. 2,137,720; Nov. 22.
Level, Hand. M. Leupold. 2,137,776; Nov. 22.
Levelizer for automobiles, Hydraulic. R. W. Moore. 2,137,947; Nov. 22.
Lifesaving apparatus. H. W. Walters. 2,137,468; Nov. 22.
Lift, Automobile. O. A. Strassman. 2,137,743; Nov. 22.
Light measuring device. J. B. Strauss. 2,137,548; Nov. 22.
Lighting mechanism, Pyrophoric. L. V. Aronson. 2,137,521; Nov. 22.
Lining implement. G. H. Colburn. 2,137,333; Nov. 22.
Liquids, Apparatus for homogenizing. E. P. Ordway. 2,137,854; Nov. 22.
Lifter: *See*—
Pan lifter.
Lock: *See*—
Pickproof lock. Window lock.
Lock. E. B. Stone. 2,137,967; Nov. 22.
Looms, Warp beam for. J. T. Jones. 2,137,572; Nov. 22.
Lubricant. C. F. Prutton and A. K. Smith. 2,137,783; Nov. 22.
Lubricant and method of lubricating. C. F. Prutton and A. K. Smith. 2,137,784; Nov. 22.
Lubricant and method of lubrication. B. H. Lincoln and W. L. Steiner, and A. Henriksen. 2,137,777; Nov. 22.
Lubricant dispenser. R. J. Gray. 2,137,740; Nov. 22.
Lubricating composition. C. F. Prutton and A. K. Smith. 2,137,782; Nov. 22.
Lubricator: *See*—
Compressor lubricator.
Luminous sign. R. Jackson. 2,137,292; Nov. 22.
Machine for churning, beating, or mixing materials. E. M. Snow. 2,137,547; Nov. 22.
Machine for cutting ice. M. J. Uline. 2,137,597; Nov. 22.
Machine for making laminated panels. G. H. Osgood. 2,137,505–6; Nov. 22.
Magneto. K. A. Harmon. 2,137,875; Nov. 22.
Manifold, Intake. E. Ginn. 2,137,802; Nov. 22.
Marker, Garment. R. Hoffman. 2,137,244; Nov. 22.
Material agitating means. E. S. Bissell. 2,137,328; Nov. 22.
Material, Device for cleaning strand. E. G. Hill and W. A. Seem. 2,137,613; Nov. 22.
Materials and means for carrying out such method, Drying various. J. G. Olsson. 2,137,347; Nov. 22.
Materials for treatment of hydrocarbons. E. F. Quirke. 2,137,727; Nov. 22.
Measurements, Method and apparatus for electrical. H. A. Snow. 2,137,787; Nov. 22.
Measuring apparatus. H. M. Jones. 2,137,773; Nov. 22.
Measuring device. O. L. Orvold. 2,137,583; Nov. 22.
Measuring instrument for alternating current circuits. F. Klutke. 2,137,846; Nov. 22.
Meat packing method. H. H. McKee and F. Seaver. 2,137,897; Nov. 22.
Meat stomper. J. Wintroub. 2,137,709; Nov. 22.
Meats, Cooking. H. H. McKee. 2,138,898; Nov. 22.
Merchandise container. C. E. Tuttle. 2,137,255; Nov. 22.
Metal alloy, Light. H. Steudel and H. Wiechell. 2,137,639; Nov. 22.
Metal, Casting of. K. Erdmann, F. Hansgirg, and G. Schichtel. 2,137,715; Nov. 22.
Metal, Coloring. F. A. Tuerff. 2,137,817; Nov. 22.
Metal under pressure, Apparatus for casting. K. F. Wagner. 2,137,764; Nov. 22.
Meter: *See*—
Electricity meter. Frequency meter.
MgO and $CaCO_3$ from dolomitic materials, Obtaining. W. H. MacIntire. 2,137,675; Nov. 22.
Mirror device, Front-view. A. Boeve. 2,137,440; Nov. 22.
Moistureproofing process and product produced therefrom. H. J. Barrett. 2,137,636; Nov. 22.
Mold: *See*—
Pottery mold.
Mold adjusting means for glass shaping machines. E. P. Dorman. 2,137,714; Nov. 22.
Mold for the manufacture of articles of glass in combination with plastic materials. L. J.-B. Forbes. 2,137,472; Nov. 22.
Money carrier. W. C. Voss. 2,137,429; Nov. 22.
Mop holder. W. H. Welch. 2,137,317; Nov. 22.
Mop, Paper. A. C. Stepan. 2,137,958; Nov. 22.
Motor. W. P. Valentine. 2,137,551; Nov. 22.
Motor and support therefor, Electric. F. D. Matthews. 2,137,921; Nov. 22.
Motor attachment for faucets, Water. W. O. Roberts. 2,137,951; Nov. 22.
Motor control, Electric. R. G. Lockett. 2,137,534; Nov. 22.
Motor control system. J. E. Jones. 2,137,721; Nov. 22.
Motor protection device. B. S. Aikman. 2,137,221; Nov. 22.
Motor vehicle. P. N. Miller. 2,137,726; Nov. 22.
Motor vehicle latch. M. Tibbetts. 2,137,733; Nov. 22.
Mounting. F. A. Fowler. 2,137,669; Nov. 22.
Mountings for guns and the like. M. J. Lobelle and E. Voss. 2,137,577; Nov. 22.
Multiband receiver. N. P. Case. 2,137,266; Nov. 22.
Multiband tunable ssytem. H. A. Wheeler. 2,137,318; Nov. 22.
Neoarsphenamine and sulpharsphenamine, Precipitation of. W. G. Christiansen and A. E. Jurist. 2,137,237; Nov. 22.
Net, Trawl. C. A. Aspenburg. 2,137,663; Nov. 22.

Nipple from flat stock, Forming a running thread. K. Berger. 2,137,797; Nov. 22.
Nipple orifice. P. Hultgren. 2,137,804; Nov. 22.
Nonrefillable attachment. J. W. Schieber. 2,137,956; Nov. 22.
Oil burner. E. F. Adolfson. 2,137,681; Nov. 22.
Oil burner. P. V. Knapp, A. I. Senior, M. McNabb, and E. H. T. Bensemann. 2,137,673; Nov. 22.
Oil burner. R. M. Vidalie. 2,137,960; Nov. 22.
Oil filter. F. M. Young. 2,137,556; Nov. 22.
Oil saver. W. J. Cordes. 2,137,832; Nov. 22.
Oiler, Spray. H. L. Schlosser. 2,137,786; Nov. 22.
Oil well line control head. H. Waller. 2,137,599; Nov. 22.
Oils, Dewaxing. P. Subkow. 2,137,549; Nov. 22.
Oils, Treating mineral. R. Z. Moravec. 2,137,499; Nov. 22.
Organic material and making the same, Synthetic. A. D. Whipple. 2,137,993; Nov. 22.
Organic product and making the same. A. D. Whipple. 2,137,994–5; Nov. 22.
Oscillating and stress-measuring means, Piezoelectric. A. M. Nicolson. 2,137,852; Nov. 22.
Oscillation generator. C. W. Hansell. 2,137,687; Nov. 22.
Oscillator, Multipactor. P. T. Farnsworth. 2,137,528; Nov. 22.
Oscilloscope, Sound recording. H. L. Coughlan. 2,137,768; Nov. 22.
Oven, Drying. E. F. Fisher. 2,137,682; Nov. 22.
Overrunning clutch. C. P. Cirac, T. W. Cooper, and W. W. MacDonald. 2,137,643; Nov. 22.
Package. E. J. Helber. 2,137,398; Nov. 22.
Packages, Securing and carrying means for. O. Kind. 2,137,913; Nov. 22.
Packaging container. W. P. White. 2,137,745; Nov. 22.
Packer, Bearing. F. G. Welke. 2,137,659; Nov. 22.
Packing ring holding apparatus. A. W. Wenzel. 2,137,737; Nov. 22.
Pad and the like and making same, Insulating. C. T. Gould and H. M. Bonney. 2,137,756; Nov. 22.
Palette or value control palette, Educational. H. De Haven. 2,137,477; Nov. 22.
Pan lifter. L. L. Phelps. 2,137,458; Nov. 22.
Panel and fastener, Trim. F. N. Ross. 2,137,883; Nov. 22.
Panel structure. D. S. Mussey. 2,137,623; Nov. 22.
Paneling structure. L. J. Powell. 2,137,508; Nov. 22.
Paper and manufacture thereof, Pliable and soft. F. Sommer. 2,137,310; Nov. 22.
Paper dispensing device. L. M. Harvey. 2,137,490; Nov. 22.
Paper sizing. J. A. De Cew. 2,137,239; Nov. 22.
Pen. B. M. Morris. 2,137,500; Nov. 22.
Perforator. W. Faas. 2,137,716; Nov. 22.
Phenol derivatives, Mercuri alkyl. W. G. Christiansen and E. Moness. 2,137,236; Nov. 22.
Phenols, Separation of. N. Poffenberger. 2,137,587; Nov. 22.
Phonograph, Automatic. R. R. Erbe. 2,137,276; Nov. 22.
Phosphorus-containing compounds, Organic. W. H. Woodstock. 2,137,792; Nov. 22.
Photographic objective. S. Huber. 2,137,615; Nov. 22.
Photography and cinematography, Color. E. Sanders-Dolgoruki and J. H. Reindorp. 2,137,785; Nov. 22.
Photometer, Photoelectric. H. F. Tönnies. 2,137,466; Nov. 22.
Pickproof lock. J. J. O'Connell. 2,137,504; Nov. 22.
Picture hook. H. Freudenberger. 2,137,837; Nov. 22.
Piezoelectric crystal holder. T. D. Parkin. 2,137,304; Nov. 22.
Piler, Sheet mill. A. G. Delany. 2,137,478; Nov. 22.
Pipe chiller, Double. J. D. Williams, Jr. 2,137,373; Nov. 22.
Pipe fittings, Making. J. H. Taylor. 2,137,864; Nov. 22.
Pipe working machine. W. A. Phillis. 2,137,762; Nov. 22.
Planetary geared reduction device. W. T. McCullough. 2,137,778; Nov. 22.
Plant container, Collapsible. R. B. Otwell. 2,137,855; Nov. 22.
Plant materials, Treatment and dehydration of fleshy. E. F. Hopkins. 2,137,890; Nov. 22.
Plant thinner. L. G. Brotzman. 2,137,233; Nov. 22.
Plate elements for selenium rectifiers and the like, Producing dry. F. Brunke. 2,137,831; Nov. 22.
Plate for knitting machines, Mobile verge. C. Deitenbach. 2,137,604; Nov. 22.
Platen, Press. L. T. Sutherland. 2,137,634; Nov. 22.
Plating apparatus. A. M. Wagner. 2,137,819; Nov. 22.
Plug-in switch. H. M. Friedman. 2,137,569; Nov. 22.
Plug: *See*—
  Attachment plug.
  Fuse plug.
Plug valve. E. C. McFarlane. 2,137,248; Nov. 22.
Pneumatic control valve. H. Busch. 2,137,750; Nov. 22.
Pocket, Garment. W. E. Cunningham. 2,137,907; Nov. 22.
Polish rod. J. D. Nixon. 2,137,853; Nov. 22.
Polishing machine. C. T. MacLean. 2,137,535; Nov. 22.
Porcelain enamel and the like, Method of and apparatus for granulating. H. E. Craven, Jr., and F. K. Knudsen. 2,137,931; Nov. 22.
Pottery mold. J. E. Shultz. 2,137,359; Nov. 22.
Pouncing machine. P. Schultze. 2,137,250; Nov. 22.
Powder, Phenolic molding. L. Cserny. 2,137,568; Nov. 22.
Powder puff. L. O. Thompson. 2,137,790; Nov. 22.
Power unit. W. A. White. 2,137,934; Nov. 22.
Press: *See*—
  Sole attaching press.
Presser, Shoe. M. W. Miller. 2,137,946; Nov. 22.
Price tag holder. W. Black. 2,137,938; Nov. 22.
Printing machine. C. B. Nelson and B. Lindell. 2,137,851; Nov. 22.
Prints, Method and apparatus for drying. G. M. Dye. 2,137,480; Nov. 22.
Process and article produced thereby. H. H. Replogle. 2,137,701; Nov. 22.
Projectile, Artillery. M. Vos. 2,137,598; Nov. 22.
Protector: *See*—
  Hog tongue protector.
Protective arrangement. O. C. Traver. 2,137,865; Nov. 22.
Protective device for electric circuits. L. L. Crump. 2,137,270; Nov. 22.
Pulley. J. W. Smith. 2,137,987; Nov. 22.
Pulping and conveying system. F. D. Chapman. 2,137,388; Nov. 22.
Pump: *See*—
  Rotary pump.
Pump. D. W. Hoferer. 2,137,403; Nov. 22.
Pump for machine tool drives, Hydraulic. W. Ernst. 2,137,448; Nov. 22.
Pump or motor, Variable displacement. E. K. Benedek. 2,137,936; Nov. 22.
Pump valve construction. D. W. Hoferer and E. T. Adams. 2,137,402; Nov. 22.
Punch retainer. F. Ziganek. 2,137,557; Nov. 22.
Pyrogallol, Alkyl substituted. F. E. Stockelbach. 2,137,815; Nov. 22.
Quartz or enamel mixtures, Spraying molten pulverized. E. F. Callan. 2,137,442; Nov. 22.
Rack: *See*—
  Display rack.
  Toast rack.
Radiator grille fastener. H. J. Murphy. 2,137,542; Nov. 22.
Radiator ribbon, Making a. S. Przyborowski. 2,137,348; Nov. 22.
Radio direction finding system. J. P. Jeffcock. 2,137,912; Nov. 22.
Radio receiving system. G. Rezos. 2,137,349; Nov. 22.
Rails, Connecting means for. A. Lodetti. 2,137,918; Nov. 22.
Railway crossing. C. Clare. 2,137,566; Nov. 22.
Rake. A. J. Baille. 2,137,795; Nov. 22.
Rake, Driveway. R. E. Peak. 2,137,982; Nov. 22.
Razor, Safety. V. A. Bertry. 2,137,327; Nov. 22.
Receptacle filling machine. F. D. Chapman. 2,137,389; Nov. 22.
Record for talking machines, Sound. W. Rabald. 2,137,307; Nov. 22.
Record, Gramophone. E. Severin and O. Brünnert. 2,137,510; Nov. 22.
Record resurfacing tool, Phonograph. W. H. Miller. 2,137,621; Nov. 22.
Record shaving machine. T. C. Brown. 2,137,383; Nov. 22.
Recording instrument. K. K. Shepard. 2,137,592; Nov. 22.
Reel: *See*—
  Fishing leader reel.
Reflector. H. F. Herbig. 2,137,286; Nov. 22.
Reflector, Adjustable. S. Margulies. 2,137,881; Nov. 22.
Refrigerating apparatus. C. B. Boles. 2,137,260; Nov. 22.
Refrigerating apparatus. A. A. McCormack. 2,137,761; Nov. 22.
Refrigerating apparatus. G. F. Welher. 2,137,962; Nov. 22.
Refrigerator. G. Muffly. 2,137,541; Nov. 22.
Refrigerator car. F. M. Young. 2,137,555; Nov. 22.
Refrigerator control switch. E. C. Raney. 2,137,728; Nov. 22.
Refrigerator evaporator and making same. C. Steenstrup. 2,137,861; Nov. 22.
Refrigerator or cooler, Portable. C. L. Tiefry. 2,137,705; Nov. 22.
Refrigerator vehicle. D. C. Arthurs and J. A. Guyer. 2,137,766; Nov. 22.
Register, Autographic. L. Jensen. 2,137,772; Nov. 22.
Regulator. A. J. Fisher. 2,137,607; Nov. 22.
Relay. H. N. Wagar. 2,137,607; Nov. 22.
Relay, Electrical. N. F. Agnew and B. Mishelevich. 2,137,747; Nov. 22.
Relief valve. I. I. Nelson. 2,137,882; Nov. 22.
Repeater system, Negative impedance. H. Mouradian. 2,137,696; Nov. 22.
Resin and making the same, Synthetic. J. V. Hunn. 2,137,616; Nov. 22.
Resins and making same, Varnish. C. Ellis. 2,137,242; Nov. 22.
Resins, Clarification of vinyl. M. C. Reed. 2,137,627; Nov. 22.
Rheostat, Interposed disk. N. C. Schellenger. 2,137,812; Nov. 22.

Ribbons, Manufacture of inked. F. A. Waldron. 2,137,256; Nov. 22.
Ring: *See*—
  Finger ring.
Rod: *See*—
  Polish rod.
  Welding rod.
Rod aligner, Connecting. G. M. Graham. 2,137,484; Nov. 22.
Roll dumping device for cotton gins. J. A. Streun. 2,137,744; Nov. 22.
Roll, Work treating. R. F. Whitney. 2,137,372; Nov. 22.
Roof hatch. W. A. Davis. 2,137,751; Nov. 22.
Rotary pump. H. A. Thrush. 2,137,791; Nov. 22.
Rotary pump. A. L. Wilson, A. E. Prohaska, and O. B. Schmidt. 2,137,708; Nov. 22.
Rubber article and material and the manufacture thereof, New. B. J. Habgood. 2,137,686; Nov. 22.
Rule, Slide. N. Sinitzin-White. 2,137,630; Nov. 22.
Runner, Collapsible vehicle. F. Stedronsky. 2,137,860; Nov. 22.
Sack for retailing eggs, Paper. M. S. Finley. 2,137,277; Nov. 22.
Safety device, Overload. W. E. Schaefer. 2,137,417; Nov. 22.
Salts of organic acids and producing same, Alkaline earth metal double. H. Seydel and A. H. Reiners. 2,137,957; Nov. 22.
Sanding device for vehicles. J. B. Lintern. 2,137,917; Nov. 22.
Sausage patty machine. B. J. Sadoff. 2,137,901; Nov. 22.
Saw, Power. A. C. Elder. 2,137,893; Nov. 22.
Scoop, Crankcase scavenging. H. C. Hill and A. Landauer. 2,137,400; Nov. 22.
Screw and nut device. L. Kamenarović. 2,137,573; Nov. 22.
Scutcher or picker with hopper feeder, Single process. J. G. Kershaw. 2,137,774; Nov. 22.
Seal. O. F. Nelson. 2,137,303; Nov. 22.
Seal. R. R. Searles. 2,137,546; Nov. 22.
Seam and making same, Wire fabric. W. J. Taylor. 2,137,789; Nov. 22.
Seat: *See*—
  Stadium seat.
Seeds of varied characteristics, Apparatus for separating a mass of. H. M. Sutton and E. G. Steele. 2,137,678; Nov. 22.
Seeds of varied characteristics, Separating a mass of. H. M. Sutton and E. G. Steele. 2,137,679; Nov. 22.
Service connecter. A. B. Dibner. 2,137,834; Nov. 22.
Servo-clutch operating mechanism. L. N. Lauer. 2,137,533; Nov. 22.
Sewage system. R. S. Rankin. 2,137,966; Nov. 22.
Sewing machines, Attachment for stitch forming mechanisms of. C. T. Gould and H. M. Bonney. 2,137,757; Nov. 22.
Sewing machines, Device for effecting the automatic movement of the material in. R. C. Robert. 2,137,857; Nov. 22.
Shaft speed indicator. R. R. Chappell and R. B. Colt. 2,137,443; Nov. 22.
Sheets, Apparatus for feeding metal. L. Lee. 2,137,453; Nov. 22.
Shield, Glare. L. R. Rhein. 2,137,461; Nov. 22.
Shields, Die casting and assembling expansion. R. E. McIntosh. 2,137,538; Nov. 22.
Shields or anchors, Die casting and assembling expansion. R. E. McIntosh. 2,137,537; Nov. 22.
Shielding for electrical conductors. P. L. McCain. 2,137,694; Nov. 22.
Shirt attachment. G. W. Caraway. 2,137,563; Nov. 22.
Shocker attachment for binders, Corn. M. L. Ludwig. 2,137,943; Nov. 22.
Shoe construction. A. E. Piekenbrock. 2,137,459; Nov. 22.
Shoe heel. P. B. Sullivan. 2,137,816; Nov. 22.
Shoe rest. P. E. Burby. 2,137,331; Nov. 22.
Shut-off valve, Double manual and automatic. D. A. Gilien. 2,137,685; Nov. 22.
Sign: *See*—
  Animated sign.
  Illuminated advertising sign.
Signaling lamp. W. Trautner and H. E. Metcalf. 2,137,319; Nov. 22.
Signaling system. S. J. Begun, I. F. Durst, and H. Barnett. 2,137,302; Nov. 22.
Signaling system and apparatus for same. W. A. Gray and L. T. Stover. 2,137,719; Nov. 22.
Signaling system, Direct current. E. J. McCarthy. 2,137,760; Nov. 22.
Skate, Roller. F. W. Brazel. 2,137,330; Nov. 22.
Skates, Attachment for. J. P. Jorgensen. 2,137,637; Nov. 22.
Skein dyeing apparatus. A. Soriano. 2,137,731; Nov. 22.
Ski true. W. O. Davies. 2,137,666; Nov. 22.
Skimming device for settling tanks. M. B. Tark. 2,137,421; Nov. 22.
Skin, hide, and leather working machine. F. Wayland. 2,137,866; Nov. 22.
Slicer. E. G. Streckfuss and G. A. Lensky. 2,137,364; Nov. 22.
Slivers, Method of and apparatus for preparing. H. Gies 2,137,908; Nov. 22.

Snow moving device. E. W. Austin. 2,137,321; Nov. 22.
Socket strip and wire housing, Electric lamp. J. L. McConnell. 2,137,536; Nov. 22.
Sole attaching press. G. Strobel. 2,137,788; Nov. 22.
Sound device for fluid boilers. M. Mueller. 2,137,805; Nov. 22.
Sound producing device or rattle. M. H. Larrabee. 2,137,651; Nov. 22.
Sound record process. A. J. Cawley. 2,137,267; Nov. 22.
Speaker. W. J. Paredes. 2,137,780; Nov. 22.
Specific gravity, Apparatus for determining. J. J. Jennings. 2,137,843; Nov. 22.
Speech into visible indicia, Converting. W. W. J. Fuller. 2,137,888; Nov. 22.
Speed control, Adjustable. A. M. Rossman. 2,137,989; Nov. 22.
Spike, Railway. J. Hojnowski. 2,137,688; Nov. 22.
Spindle. F. E. Banfield, Jr. 2,137,232; Nov. 22.
Spindle for automatic lathes. C. E. Miller. 2,137,850; Nov. 22.
Splitting machine. L. J. Bazzoni. 2,137,326; Nov. 22.
Spool for photographic cameras, Film. H. Nerwin. 2,137,502; Nov. 22.
Spring structure, Proportional resistance. C. F. McCoy. 2,137,298; Nov. 22.
Springs, Manufacture of resilient. R. C. Pierce. 2,137,698; Nov. 22.
Stabilizing treatment. J. A. Nock, Jr. and F. Keller. 2,137,624; Nov. 22.
Stadium seat. L. J. Thompson. 2,137,312; Nov. 22.
Stamp, Time. A. C. Johnson and T. M. Wroble. 2,137,493; Nov. 22.
Stand: *See*—
  Display stand.
Staple strip. R. Vogel. 2,137,467; Nov. 22.
Stationery. V. M. West. 2,137,516; Nov. 22.
Steel, Producing titanium. W. Mathesius. 2,137,945; Nov. 22.
Steering moving craft. E. E. Libman. 2,137,847; Nov. 22.
Steering system, Automatic. F. W. Dunmore. 2,137,241; Nov. 22.
Steering wheel attachment. W. Champion. 2,137,332; Nov. 22.
Steering wheel supporting device for testing apparatus. C. H. Phelps. 2,137,949; Nov. 22.
Stock quotation board system. A. A. Clokey and G. S. Vernam. 2,137,603; Nov. 22.
Stoker, Blast feed. P. A. Ketchpel. 2,137,844; Nov. 22.
Storage and delivery apparatus. W. E. Gilmore. 2,137,822; Nov. 22.
Stove. H. R. Willson. 2,137,469; Nov. 22.
Stranded structures with fittings, Providing. O. J. Bratz. 2,137,712; Nov. 22.
Strap, Hand. G. R. Munro and W. C. Dilg. 2,137,622; Nov. 22.
Strip for pants and other garments, Grip. N. A. Gladstone. 2,137,396; Nov. 22.
Strip, Tacking. J. S. Reid. 2,137,460; Nov. 22.
Styrene, Polymerizing. G. L. Dorough and G. D. Graves. 2,137,393; Nov. 22.
Subsurface, Apparatus for electrical exploration of. J. J. Jakosky. 2,137,650; Nov. 22.
Sulphur dioxide from sulphite liquors, Process and apparatus for the recovery of. K. L. Springer, 2,137,311; Nov. 22.
Sulphur, Process and apparatus for mining. C. O. Lee. 2,137,619; Nov. 22.
Superphosphate, Making double or treble calcium and magnesium. W. H. MacIntire. 2,137,674; Nov. 22.
Supporting bracket. C. A. Doench. 2,137,645; Nov. 22.
Surface for flying machines, Supporting. J. Ksoll. 2,137,879; Nov. 22.
Suspension for motor vehicles, Hydraulic. J. A. Alvarez. 2,137,662; Nov. 22.
Switch: *See*—
  Automatic switch.
  Inertia switch.
  Plug-in switch.
  Refrigerator control switch.
Switch. P. S. Bear and H. E. Bucklen. 2,137,711; Nov. 22.
Switch assemblage. W. C. Furnas and S. R. Thompson. 2,137,481; Nov. 22.
Switch cabinet, Electric. J. J. Bogaerts. 2,137,872; Nov. 22.
Switching apparatus. H. F. Obergfell. 2,137,503; Nov. 22.
Switching apparatus. J. H. Voss. 2,137,514; Nov. 22.
Switching apparatus, Automatic. J. E. Ostline. 2,137,507; Nov. 22.
Switching mechanism. D. G. Taylor. 2,137,550; Nov. 22.
Table: *See*—
  Collapsible table.
Tablet, Writing. H. J. Waechter. 2,137,970; Nov. 22.
Tap. J. J. Hebor. 2,137,340; Nov. 22.
Tea, Treatment of. L. M. Wright. 2,137,374; Nov. 22.
Teeth, Producing cutting. J. A. Zublin. 2,137,470; Nov. 22.
Telegraph, Picture. A. Eulenhöfer. 2,137,006; Nov. 22.

Telephone circuit, Substation. T. G. Martin and C. E. Lomax. 2,137,409; Nov. 22.
Telephone system. E. N. Anderson, E. L. Getz, and H. W. Ulrich. 2,137,793; Nov. 22.
Telephone system. F. Lill. 2,137,408; Nov. 22.
Telephone system. C. E. Lomax and J. H. Voss. 2,137,497; Nov. 22.
Telephone system. W. Pfaff. 2,137,412; Nov. 22.
Telephone system. H. Qdarg. 2,137,626; Nov. 22.
Telephone system. J. Wicks. 2,137,517–8; Nov. 22.
Telephone system, Automatic. B. D. Willis. 2,137,431; Nov. 22.
Television and the like transmission system. M. Bowman-Manifold and W. S. Percival. 2,137,798; Nov. 22.
Television system. M. Bowman-Manifold. 2,137,262; Nov. 22.
Television tube. K. Schlesinger. 2,137,353; Nov. 22.
Tent. D. W. Norvell. 2,137,625; Nov. 22.
Terminal receptacle for gas range oven lights. J. Becvar. 2,137,641; Nov. 22.
Tetrachloride monosulphate, Producing diferric. E. A. Slagle. 2,137,361; Nov. 22.
Textiles and the apparatus therefor, Dyeing, extracting, and drying various. E. A. Stienen. 2,137,632; Nov. 22.
Textiles, Finishing. W. J. Thackston. 2,137,465; Nov. 22.
Thawing attachment for the hose connections and radiator of an internal combustion engine. O. E. Asper. 2,137,231; Nov. 22.
Thermocouple, High temperature. F. Hartmann. 2,137,280; Nov. 22.
Thiazoles, Purification of mercapto aryl. I. Williams and B. M. Sturgis. 2,137,820; Nov. 22.
Threads, Production of folded textile. J. Brandwood. 2,137,264; Nov. 22.
Ticket printing and issuing machine. D. H. Kinnard and H. F. Ford. 2,137,915; Nov. 22.
Tile, Making imitation. S. B. Collins. 2,137,238; Nov. 22.
Tire, Pneumatic. W. E. Hantala. 2,137,910; Nov. 22.
Tire, Vehicle wheel. J. E. Gillespie. 2,137,670; Nov. 22.
Toast rack. A. V. Terry. 2,137,369; Nov. 22.
Toggle stop device. C. H. Bradt and W. J. Higgins. 2,137,263; Nov. 22.
Tone control system, Low frequency. A. C. Stocker. 2,137,633; Nov. 22.
Tool: *See*—
Drilling tool. Wire tying tool.
Record resurfacing tool.
Tool. G. A. Tinnerman. 2,137,929; Nov. 22.
Tool for saw teeth, Shaping. G. E. Bodenhamer. 2,137,225; Nov. 22.
Towel dispenser. L. M. Harvey. 2,137,488; Nov. 22.
Towel dispensing device, Paper. L. M. Harvey. 2,137,489; Nov. 22.
Toy ball, Returnable. A. J. Dinkel. 2,137,272; Nov. 22.
Toy, Mechanical. W. G. Ranney. 2,137,950; Nov. 22.
Toy vehicle with sounding means. M. Schmid. 2,137,357; Nov. 22.
Trailer hitch and brake operator. J. T. Davidson. 2,137,445; Nov. 22.
Transfer device. R. R. Lewis. 2,137,725; Nov. 22.
Transformer for television apparatus, High-voltage. K. Schlesinger. 2,137,356; Nov. 22.
Transmission control mechanism. W. A. Eaton. 2,137,939; Nov. 22.
Transmitters, Controlling high frequency. E. Schulze-Herringen. 2,137,629; Nov. 22.
Trap: *See*—
Fly trap.
Trolley, Soaking-pit. C. H. Schramm. 2,137,813; Nov. 22.
Troughs, Device for discharging. E. Aeschbach. 2,137,558; Nov. 22.
Truck, Barrel transport. H. L. Anderson. 2,137,560; Nov. 22.
Truss. G. W. Lowe. 2,137,578; Nov. 22.
Tube: *See*—
Cathode ray tube. Television tube.
Electron tube.
Tube construction, Thermionic. J. J. Glauber. 2,137,571; Nov. 22.
Typewriter box. E. T. Johnson. 2,137,293; Nov. 22.
Universal dispensing holder. J. A. Rumore. 2,137,984; Nov. 22.
Vacuum breaker. R. H. Zinkil. 2,137,520; Nov. 22.
Valve: *See*—
Gas lift valve. Relief valve.
Plug valve. Shut-off valve.
Pneumatic control valve. Water softener valve.
Valve. A. N. Asselin. 2,137,561; Nov. 22.
Valve and seal therefor, Rotary. R. Chilton. 2,137,390; Nov. 22.
Valve control mechanism. D. D. Goldberg. 2,137,874; Nov. 22.
Vehicle: *See*—
Motor vehicle. Refrigerator vehicle.
Vehicle control mechanism. R. S. Sanford and W. J. Andrews. 2,137,954; Nov. 22.
Vehicle head lamp. C. F. Despatures. 2,137,446; Nov. 22.
Vehicle transmission. R. S. Sanford and M. W. McConkey. 2,137,249; Nov. 22.
Vehicle wheel. H. J. Horn. 2,137,288; Nov. 22.
Ventilator, Window. W. Schickedanz. 2,137,924; Nov. 22.
Vessels, Heat treating pressure. E. V. Bergstrom. 2,137,523; Nov. 22.
Vibration damping device. R. R. R. Sarazin. 2,137,591; Nov. 22.
Vibratory screening device. J. A. Flint. 2,137,753; Nov. 22.
Voltage regulator control. W. Krämer. 2,137,877; Nov. 22.
Volume control device. J. Yolles. 2,137,435; Nov. 22.
Wall assembly. A. V. Pretot. 2,137,677; Nov. 22.
Wallboard, Scored. H. E. Marsh. 2,137,896; Nov. 22.
Wall fastener. F. Innocenti. 2,137,911; Nov. 22.
Wallpaper remover. F. S. Hudson. 2,137,876; Nov. 22.
Wall structure, Building. D. Martin. 2,137,759; Nov. 22.
Warm air furnace. R. W. Menk. 2,137,474; Nov. 22.
Warp printing apparatus. O. F. Hilbert. 2,137,741; Nov. 22.
Washer: *See*—
Bearing washer.
Washing machine. J. Motycka. 2,137,540; Nov. 22.
Watch, Sundial. I. Wigdor. 2,137,519; Nov. 22.
Water cooler. C. M. Cordley. 2,137,269; Nov. 22.
Water control for steam boilers, Low. E. W. Loesser. 2,137,880; Nov. 22.
Water softener valve. J. A. Johnson. 2,137,406; Nov. 22.
Water softening device. G. C. Glynn. 2,137,755; Nov. 22.
Wave connection system, Ultra short. K. Schlesinger. 2,137,355; Nov. 22.
Wave device, Machineless permanent. A. E. Sierad. 2,137,511; Nov. 22.
Weather-strip elements, Manufacture of. R. C. Pierce. 2,137,697; Nov. 22.
Weld ironer, Chain-link joint. V. Grgich. 2,137,648; Nov. 22.
Welding, Double spot. G. Hagedorn. 2,137,909; Nov. 22.
Welding rod, Composite. J. A. Zublin. 2,137,471; Nov. 22.
Well fluid sampler. G. A. Macready. 2,137,296; Nov. 22.
Well logging, Seismic. H. Salvatori. 2,137,985; Nov. 22.
Wheel: *See*—
Vehicle wheel.
Wheel alignment apparatus. R. M. Greenleaf and P. C. Palmer. 2,137,485; Nov. 22.
Wheel dresser, Grinding. H. W. Kropf. 2,137,690; Nov. 22.
Wheel, Making a composite abrasive. B. Sanford. 2,137,986; Nov. 22.
Wheeled attachment for motor vehicles. E. T. Price. 2,137,699; Nov. 22.
Windmill. L. C. Algee. 2,137,559; Nov. 22.
Window. A. C. Thompson. 2,137,425; Nov. 22.
Window assembly. W. D. Bayley. 2,137,438–9; Nov. 22.
Window construction. A. C. Thompson. 2,137,426; Nov. 22.
Window, Detention. W. D. Bayley. 2,137,437; Nov. 22.
Window, Folding. H. G. and L. T. Huckstep. 2,137,290; Nov. 22.
Window lock, Automatic. F. Berghoff. 2,137,937; Nov. 22.
Windshield cleaner. G. B. Sayre. 2,137,628; Nov. 22.
Wing flap. R. C. Blaylock, F. P. Bassett, E. R. Child, and R. R. Osborn. 2,137,382; Nov. 22.
Wire mesh, Making. H. E. White. 2,137,257; Nov. 22.
Wire tying tool. F. I. Anderson. 2,137,325; Nov. 22.
Wood, Apparatus for barking. T. O. Hillbom. 2,137,451–2; Nov. 22.
Wood chips, Impregnating. F. Olsen. 2,137,779; Nov. 22.
Wood grain and stone markings, Simulating. F. Weiss. 2,137,765; Nov. 22.
Wool, Purifying raw. J. Nuesslein and J. von Klenck. 2,137,823; Nov. 22.
Work feeding mechanism. C. E. Miller. 2,137,849; Nov. 22.
Wrapping machine. P. Pierce. 2,137,585; Nov. 22.
Wrapping machine. A. G. Rose. 2,137,656; Nov. 22.
Wrapping machine guide means. P. Pierce. 2,137,586; Nov. 22.
X-ray apparatus. E. B. Graves. 2,137,647; Nov. 22.
Yarn having cover knitted upon the core, Elastic. P. A. Linke. 2,137,692; Nov. 22.

CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 22, 1938

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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212— 4: 2,137,763
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215— 22: 2,137,956
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312— 45: 2,137,822
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U. S. GOVERNMENT PRINTING OFFICE: 1930

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

A/S Firda, Maaloy, Norway. Fish, fishballs, and sardines. Serial No. 399,089; Nov. 29. Class 46.

Abbey Products Corporation, New York, N. Y. Beard softener. Serial No. 405,095; Nov. 29. Class 4.

Ace Engineering Company, Chicago, Ill. Valves. Serial No. 389,594; Nov. 29. Class 13.

Acushnet Process Company, Acushnet and New Bedford, Mass. Water aerators. Serial No. 410,162; Nov. 29. Class 13.

Adelaar Bros., Inc., New York, N. Y. Ladies' blouses and shirts. Serial No. 410,352; Nov. 29. Class 39.

Advance Wool Skin Shoe Co., Chicago, Ill. Slippers, shoes, and boots. Serial No. 404,426; Nov. 29. Class 39.

Aktiebolaget Atlas-Diesel, Stockholm, and Sickla, Stockholm, Sweden. Diesel motors and other internal combustion engines. Serial No. 411,201; Nov. 29. Class 23.

Aktiebolaget Bröderne Ameln, Stockholm, Sweden. Fish and edible products thereof. Serial No. 396,861; Nov. 29. Class 46.

Allen, Mark W., & Co., Detroit, Mich. Skin freshener and body rub. Serial No. 409,953; Nov. 29. Class 6.

All-Wax Products of New Jersey. (See Burrell, Carr.)

American Anode Inc., Wilmington, Del., and Akron, Ohio. Sheet material. Serial No. 411,484; Nov. 29. Class 1.

American Breddo Corporation, New York, N. Y. Prepared wheat flour. Serial No. 410,213; Nov. 29. Class 46.

American Seal-Kap Corporation of Delaware, Long Island City, N. Y. Milk of low curd tension. Serial No. 405,802; Nov. 29. Class 46.

Anderson Company, The, Gary, Ind. Windshield wiper blades and arms, and parts thereof. Serial No. 411,672; Nov. 29. Class 19.

Anderson Products Co., Britt, Iowa. Puffed rice, wheat, and corn. Serial No. 410,445; Nov. 29. Class 46.

Arden, Elizabeth, Inc., New York, N. Y. Lipstick, nail polish, rouge. Serial No. 409,987; Nov. 29. Class 6.

Ar-Don Company, Inc., Rye, N. Y. Fasteners. Serial No. 410,285; Nov. 29. Class 40.

Arnold, Hoffman & Co. Incorporated, Providence, R. I. Chemical products. Serial No. 410,422; Nov. 29. Class 6.

Austin, Sara H., New York, N. Y. Table beverage in the nature of a coffee substitute. Serial No. 409,861; Nov. 29. Class 46.

Austin, W. F., doing business as The Orange Car, Harrisburg, Reading, and Allentown, Pa., and Altoona and Umatilla, Fla. Fresh citrus fruits. Serial No. 405,097; Nov. 29. Class 46.

Babbitt, B. T., Inc., New York, N. Y. Cleanser. Serial No. 393,363; Nov. 29. Class 4.

Baird & McGuire, Holbrook, Mass. Disinfectants, deodorants, and germicides. Serial No. 410,576; Nov. 29. Class 6.

Bancroft Walker Company, Waltham, Mass. Women's shoes. Serial No. 410,448; Nov. 29. Class 39.

Banovitch, Joseph, Belle, W. Va. Medicinal preparations. Serial No. 410,128; Nov. 29. Class 6.

Barrell, William L., Company, Inc., New York, N. Y. Cotton slack cloth. Serial No. 411,076; Nov. 29. Class 42.

Barrell, William L., Company, Inc., New York, N. Y. Gabardine. Serial Nos. 411,077–8; Nov. 29. Class 42.

Bartmann & Bixer Inc., New York, N. Y. Window curtains. Serial No. 409,676; Nov. 29. Class 42.

Beach Soap Company, Lawrence, Mass. Soap. Serial No. 411,205; Nov. 29. Class 4.

Bear Creek Vineyard Association, Lodi, Calif. Brandy. Serial No. 410,065; Nov. 29. Class 49.

Beck, A. S., Shoe Corporation, New York, N. Y. Shoes and slippers. Serial No. 398,833; Nov. 29. Class 39.

Beech-Nut Packing Company, Canajoharie, N. Y. Biscuits. Serial No. 411,328; Nov. 29. Class 46.

Beggs Brothers, Inc., New York, N. Y. Isinglass. Serial No. 407,747; Nov. 29. Class 1.

Behr-Manning Corporation, Troy, N. Y. Coated abrasives. Serial Nos. 410,826–7; Nov. 29. Class 4.

Beir, Arthur, & Co., Inc., New York, N. Y. Piece goods. Serial No. 410,895; Nov. 29. Class 42.

Best & Co. Inc., New York, N. Y. Misses' and girls' hats. Serial No. 410,984; Nov. 29. Class 39.

Better Health Research Foundation. (See Bower, Frank W.)

Blue Ribbon Cake Company. (See Levy, Reuben H.)

Blume Knitwear, Inc., New York, N. Y. Knitwear. Serial No. 389,228; Nov. 29. Class 39.

Bower, Frank W., doing business as Better Health Research Foundation, Los Angeles, Calif. Therapeutic food concentrates. Serial No. 405,380; Nov. 29. Class 6.

Bowman, William C., Jr., doing business as William Bowman Company, Montgomery, Ala. Fertilizer and poultry litter. Serial Nos. 411,080–1; Nov. 29. Class 10.

Boydstun, Bill, Duncan, Okla. Mineral water. Serial No. 406,796; Nov. 29. Class 45.

Bu-Milk Company, Hot Springs, Ark. Buttermilk. Serial No. 411,049; Nov. 29. Class 46.

Burrell, Carr, doing business as All-Wax Products of New Jersey, Irvington, N. J. Automobile wax and polish. Serial No. 401,323; Nov. 29. Class 16.

Canada Dry Ginger Ale, Inc., New York, N. Y. Carbonated beverage. Serial No. 404,933; Nov. 29. Class 45.

Carpenter Paper Company, Omaha, Nebr. Toilet tissue. Serial No. 411,399; Nov. 29. Class 37.

Cave, Francis A., doing business as Kormik Laboratories, Los Angeles, Calif. Medical preparations. Serial No. 408,830; Nov. 29. Class 6.

Constad, Ira C., doing business as Stay-Skin, New York, N. Y. Furs and skins. Serial No. 402,216; Nov. 29. Class 1.

Cool Maid Candy Company, Salt Lake City, Utah. Powder for making soft drinks. Serial No. 410,453; Nov. 29. Class 45.

Coppock, Otis, Kokomo, Ind. Beverages. Serial No. 411,291; Nov. 29. Class 45.

Crompton Company, West Warwick, R. I., assignor to Crompton Company. Corduroy fabrics in the piece. Serial No. 404,164; Nov. 29. Class 42.

Cutler, Royal A., Spokane, Wash. Fresh vegetables. Serial No. 407,368; Nov. 29. Class 46.

Date Counselor, Inc., Deerfield, Ill. Calendars. Serial No. 409,509; Nov. 29. Class 38.

Denman Tire & Rubber Company, Warren, Ohio, and New York, N. Y. Tires and inner tubes. Serial No. 410,687; Nov. 29. Class 35.

Derris, Inc., New York, N. Y. Drain pipe cleaner. Serial No. 409,726; Nov. 29. Class 6.

Desquenne, Marguerite, New York, N. Y. Weight reducing composition. Serial No. 410,642; Nov. 29. Class 6.

Dimaio, Antonio, Bradford, Pa. Hair tonic. Serial No. 409,912; Nov. 29. Class 6.

Dixie-Portland Flour Co., doing business as Regina Flour Mills, Memphis, Tenn. Wheat flour. Serial No. 411,118; Nov. 29. Class 46.

Dobeckmun Company, The, Cleveland, Ohio. Coated plain paper, coated and printed wrapping paper, etc. Serial No. 408,496; Nov. 29. Class 37.

Duquesne Baking Company, Pittsburgh, Pa. Bread. Serial No. 406,636; Nov 29. Class 46.

Ellison, John B., & Sons, Inc., Philadelphia, Pa. Woolen piece goods. Serial No. 410,834; Nov. 29. Class 42.

Eskimo Pie Corporation, Bloomfield, N. J. Chocolate flavored ice cream coating. Serial No. 395,819; Nov. 29. Class 46.

Essefian, Parsegh G., New York, N. Y. Liniment. Serial No. 400,423; Nov. 29. Class 6.

Field-Hamilton-Smith Paper Co., Omaha, Nebr. Paper products. Serial No. 408,786; Nov. 29. Class 37.

Firestone Tire & Rubber Company, The, Akron, Ohio. Resilient vehicle tires. Serial No. 389,680; Nov. 29. Class 35.

5 Vitamins Liac Co., The. (See Mayer, A. Kiefer.)

Fletcher Products, Inc., Los Angeles, Calif. Cough syrup and expectorant. Serial No. 408,881; Nov. 29. Class 6.

Folmer Graflex Corporation, The, Rochester, N. Y. Photographic apparatus. Serial No. 411,050; Nov. 29. Class 26.

Frank and Pursell, Los Angeles, Calif. Suits and dresses. Serial No. 409,302; Nov. 29. Class 39.

French Fabrics, Corporation, New York, N. Y. Silk, rayon, etc., goods in the piece. Serial No. 410,863; Nov. 29. Class 42.

Gast Bottling Corp., St. Louis, Mo. Beer. Serial No. 410,835; Nov. 29. Class 48.

General Electric Company, Schenectady, N. Y. Electrical wires, cables, and conductors. Serial No. 411,159; Nov. 29. Class 21.

Gesellschaft für Pökelsalze Inh. M. H. Carl Seifert, Berlin-Weissensee, Germany. Pickling salt and food preservatives. Serial No. 404,303; Nov. 29. Class 6.

Golden State Company, Ltd., San Francisco, Calif. Product consisting of modified milk solids. Serial No. 410,651; Nov. 29. Class 46.

Goldsmith Bros., New York, N. Y. Duplicating stencils. Serial No. 410,954; Nov. 29. Class 37.

Goldwaters Mercantile Co., Phoenix, Ariz. Dresses, frocks, blouses, etc. Serial No. 408,486; Nov. 29. Class 39.

Goodstein, David M., Inc., New York, N. Y. Dresses. Serial No. 410,995; Nov. 29. Class 39.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Woolen automobile robes. Serial No. 398,675; Nov. 29. Class 42.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Greenstone, Stern Co., Inc., New York, N. Y. Jackets and trousers. Serial No. 407,860; Nov. 29. Class 39.
Hagerstown Rubber Company, The, Hagerstown, Md. Rubber heels and rubber soles. Serial No. 411,272; Nov. 29. Class 39.
Halton, Gerald J., Venice, Calif. Game card holders and blanks for a game of chance. Serial No. 410,958; Nov. 29. Class 22.
Hampden Sales Association. (See Leavin, V. David.)
Hercules Powder Company, Wilmington, Del. Smokeless powder. Serial No. 411,605; Nov. 29. Class 9.
Hires Bottling Co., Inc. of Houston, Houston, Tex. Beverages, and sirups and extracts for making the same. Serial No. 411,413; Nov. 29. Class 45.
Hoboken Wrought Iron Andiron Co., Hoboken, N. J. Fire screens. Serial No. 410,694; Nov. 29. Class 13.
Hose Accessories Company. (See Shaw, Harry E.)
Hytron Corporation, Salem, Mass. Radio tubes. Serial No. 409,036; Nov. 29. Class 21.
I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Chemical preparations. Serial No. 411,092; Nov. 29. Class 6.
Industrial Soap Co., St. Louis, Mo. Powdered hand soap. Serial No. 411,224; Nov. 29. Class 4.
J & R Motor Supply Company, Chicago, Ill. Anti-freeze solutions. Serial No. 410,227; Nov. 29. Class 6.
Jawine Company, The. (See Weinberger, Julius A.)
Jones, Casey, Inc., Baltimore, Md. Overalls. Serial No. 410,911; Nov. 29. Class 39.
Kimball, W. W., Company, Chicago, Ill. Pianos. Serial No. 405,211; Nov. 29. Class 36.
King Kone Corporation, New York, N. Y. Crackers. Serial No. 410,142; Nov. 29. Class 46.
Kingston Cake Co. (See Levy, Reuben H.)
Kormik Laboratories. (See Cave, Francis A.)
Kraus Bros. & Co. Inc., New York, N. Y. Alcoholic liqueurs, bitters, and brandies. Serial No. 409,548; Nov. 29. Class 49.
Kress, S. H., and Company, New York, N. Y. Clothes lines. Serial No. 411,030; Nov. 29. Class 7.
Ladd Lime and Stone Company, Cartersville, Ga. Mason's hydrated lime, lump lime and pulverized quicklime. Serial No. 404,154; Nov. 29. Class 12.
Lance Packing Company, Charlotte, N. C. Peanut butter sandwiches. Serial No. 410,593; Nov. 29. Class 46.
Leavin, V. David, doing business as Hampden Sales Association, assignor to Hampden Sales Association, Inc., New York, N. Y. Preparation used as a powder base, complexion aid, and foundation for make-up. Serial No. 408,649; Nov. 29. Class 6.
Leeds, Herbert R., & Co., Inc., New York, N. Y. Piece goods. Serial No. 410,913; Nov. 29. Class 42.
Lehman Bros. Corp., Jersey City, N. J. Paints, varnishes, and paint enamels. Serial Nos. 411,125–6; Nov. 29. Class 16.
Levy, Reuben H., doing business as Blue Ribbon Cake Company, Blue Ribbon Bakers, and Kingston Cake Co., Kingston, Pa. Pretzels, "nutzels", and cocktail sticks. Serial No. 405,701; Nov. 29. Class 46.
London House, Ltd., New York, N. Y. Shaving soap. Serial No. 397,253; Nov. 29. Class 4.
Lussky, White & Coolidge, Inc., Chicago, Ill. Store and display fixtures. Serial No. 409,843; Nov. 29. Class 32.
Luther News Company, The, Minneapolis, Minn. Periodical. Serial No. 402,513; Nov. 29. Class 38.
May Hosiery Mills, Inc., Burlington, N. C. Hosiery. Serial No. 410,598; Nov. 29. Class 39.
Mayer, A. Kiefer, doing business as The 5 Vitamins Liac Co., Indianapolis, Ind. Vitamin capsules. Serial No. 409,479; Nov. 29. Class 6.
McArdle, Charles, New York, N. Y. Liquid having solvent and lubricating qualities. Serial No. 410,264; Nov. 29. Class 6.
McCrory Stores Corporation, New York, N. Y. Blankets, pillow cases, sheets, and quilts. Serial No. 411,056; Nov. 29. Class 42.
Meston, Gertrude P., St. Louis, Mo. Plumbing fixture attachments. Serial No. 411,231; Nov. 29. Class 13.
Meyer, Chas. E., & Co., Freeport, Ill. Cider vinegar. Serial No. 409,366; Nov. 29. Class 46.
Midstate Horticultural Company, Inc., Fresno, Calif. Fresh fruits. Serial Nos. 410,917–18; Nov. 29. Class 46.
Milprint, Inc., Milwaukee, Wis. Coated sheets of paper or the like. Serial No. 401,748; Nov. 29. Class 37.
Moelder Coal Company, The, Cincinnati, Ohio. Fuel. Serial No. 411,098; Nov. 29. Class 1.
Mt. Vernon-Woodberry Mills, Inc., Baltimore, Md. Crochet cotton, sewing cotton, cotton yarn, etc. Serial No. 411,130; Nov. 29. Class 43.
Myers, Harold C., doing business as E. B. Myers Co., Los Angeles, Calif. Aprons, and sport clothes for women and children. Serial No. 405,609; Nov. 29. Class 39.
Nation Wide Papers, Inc., Chicago, Ill. Mimeograph paper. Serial No. 411,649; Nov. 29. Class 37.
National Carbon Company, Inc., New York, N. Y. Arc lamps and carbons. Serial Nos. 411,176–7; Nov. 29. Class 26.
National Silk Hosiery Mills, Inc., Indianapolis, Ind. Hosiery. Serial No. 409,051; Nov. 29. Class 39.
Northmont Hosiery Corporation, Reading, Pa. Oil for the treatment of full fashioned hosiery. Serial No. 409,930; Nov. 29. Class 6.
Northmont Hosiery Corporation, Reading, Pa., and New York, N. Y. Hosiery. Serial No. 409,931; Nov. 29. Class 39.
Norton Lasier Company, Chicago, Ill. Door checks and closers. Serial No. 411,238; Nov. 29. Class 13.
Olive Heights Citrus Association, Olive, Calif. Fresh citrus fruit. Serial No. 396,691; Nov. 29. Class 46.
Olson, Thor E., Chicago, Ill. Mechanical flue cleaner for fire tube boilers. Serial No. 410,371; Nov. 29. Class 23.
Olympic Knitting Mills, Inc., New York, N. Y. Knitted sweaters. Serial No. 409,281; Nov. 29. Class 39.
Opotowsky Bros., Inc., New Orleans, La. Lingerie. Serial No. 407,738; Nov. 29. Class 39.
Orange Car, The. (See Austin, W. F.)
Orange-Crush Company, Chicago, Ill. Beverages and concentrates and compounds for making the same. Serial No. 410,436; Nov. 29. Class 45.
Paper Service Company, The, Lockland, Ohio. Materials used as roofing, insulation paper, etc. Serial No. 409,932; Nov. 29. Class 12.
Pendle & Rivett Limited, London, England. Cloths and stuffs. Serial No. 411,100; Nov. 29. Class 42.
Pepperell Manufacturing Company, Boston, Mass. Textile fabrics. Serial No. 410,553; Nov. 29. Class 42.
Perkins-Epeneter Pickle Co., The, Denver, Colo. Pickles, tomato catsup, mustard, etc. Serial No. 401,756; Nov. 29. Class 46.
Perkins Products Company, Chicago, Ill. Prepared powder for making beverage. Serial No. 410,844; Nov. 29. Class 45.
Phelan, Louis A. M., doing business as Pur-O-Mix Laboratories, Rockton, Ill. Dry mix with which to make malted milk, ice cream, etc. Serial No. 396,293; Nov. 29. Class 46.
Phillos, Christe A., Akron, Ohio. Sandwiches. Serial No. 397,983; Nov. 29. Class 46.
Pioneer Company, Louisville, Ky. Cleaning preparation. Serial No. 410,481; Nov. 29. Class 4.
Producers Creamery Company, Springfield, Mo. Cream. Serial No. 410,922; Nov. 29. Class 46.
Pur-O-Mix Laboratories. (See Phelan, Louis A. M.)
Racine Shoe Manufacturing Company, Racine, Wis. Shoes. Serial No. 411,246; Nov. 29. Class 39.
Regina Flour Mills. (See Dixie-Portland Flour Co.)
Reichhold Chemicals, Inc., Detroit, Mich. Resins. Serial No. 410,087; Nov. 29. Class 1.
Reno Brewing Company, Inc., Reno, Nev. Malt beverages. Serial No. 404,451; Nov. 29. Class 48.
Riedel, J. D., -E. de Haën Aktiengesellschaft, Berlin-Britz, Germany. Perfumes, artificial perfume essences, and cedar-wood oil. Serial No. 408,810; Nov. 29. Class 6.
Roddenbery, W. B., Co., Cairo, Ga. Table syrup, pickles, and peanut butter. Serial No. 409,782; Nov. 29. Class 46.
Rossotti Lithographing Co. Inc., New York, N. Y. Printed labels. Serial No. 406,467; Nov. 29. Class 38.
S & K Sales Co., San Francisco, Calif. Combs and holders therefor. Serial No. 408,932; Nov. 29. Class 40.
Santiago Development Corporation, New York, N. Y. Coffee flavored food drink. Serial No. 410,870; Nov. 29. Class 46.
Sargent, Harry G., doing business as Harry G. Sargent Paint Company, Indianapolis, Ind. Paint enamels, stains, varnishes, etc. Serial No. 411,138; Nov. 29. Class 16.
Schleien, Emanuel, Brooklyn, N. Y. Olives. Serial No. 406,778; Nov. 29. Class 46.
Schmid, Julius, Inc., New York, N. Y. Prophylactic rubber and membraneous articles. Serial No. 411,659; Nov. 29. Class 44.
Schneiderman Bros., New York, N. Y. Woolen fabrics. Serial No. 411,058; Nov. 29. Class 42.
Seco Leather Products Company, West New York, N. J. Leather goods. Serial Nos. 411,012–14; Nov. 29. Class 1.
Sharpe & Dohme, Incorporated, Philadelphia, Pa. Biological antigenic substances for oral administration. Serial No. 404,666; Nov. 29. Class 6.
Shaw, Harry E., doing business as Hose Accessories Company, Philadelphia, Pa. Hose couplings. Serial No. 411,285; Nov. 29. Class 13.
Simonds Saw and Steel Co., Fitchburg, Mass., and Lockport, N. Y. Alloy steel. Serial No. 410,933; Nov. 29. Class 14.
Smith, G. Edwin, Shoe Company, The, Columbus, Ohio. Shoes. Serial No. 406,833; Nov. 29. Class 39.
Societo Anonyme les Parfumeries de Gabilla, Paris, France. Perfumes, toilet water, bath salts, etc. Serial No. 408,661; Nov. 29. Class 6.
Southern Dairies, Inc., Washington, D. C. Ice cream. Serial No. 410,710; Nov. 29. Class 46.
Springless Scale Corporation, Chicago, Ill. Weighing scales. Serial No. 410,311; Nov. 29. Class 26.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Standard Mailing Machines Company, Everett, Mass. Duplicating fluid. Serial No. 397,487; Nov. 29. Class 11.
Stay-Skin. (See Constad, Ira C.)
Stroben, Frederick, Evanston, Ill. Combination radio and phonograph. Serial No. 406,404; Nov. 29. Class 36.
Syndicate Clothing Company, Cedar Rapids, Iowa. Suits, topcoats, and overcoats. Serial No. 410,562; Nov. 29. Class 39.
Titus and Martin Company, The, Cincinnati, Ohio. Coffee. Serial No. 410,936; Nov. 29. Class 46.
Unimar Corporation, Chicago, Ill. Tobacco pouches. Serial No. 411,663; Nov. 29. Class 8.
United American Metals Corporation, Brooklyn, N. Y. Plastic composition. Serial No. 409,718; Nov. 29. Class 1.
Vanity Corset Company, Inc., New York, N. Y. Corsets, corselets, girdles, etc. Serial No. 411,109; Nov. 29. Class 39.
Vaughan & Bushnell Mfg. Co., Chicago, Ill. Axes. Serial Nos. 411,041–2; Nov. 29. Class 23.
Velveray Corporation of America, New York, N. Y. Piece goods. Serial No. 410,196; Nov. 29. Class 42.
Virginia Art Goods Studios, Inc., Lynchburg, Va. Purses. Serial No. 411,256; Nov. 29. Class 3.
Virgin Islands Cooperative, Inc., The, St. Thomas, Virgin Islands. Purses, billfolds, shopping bags, etc. Serial No. 411,061; Nov. 29. Class 3.
Virgin Islands Cooperative, Inc., The, St. Thomas, Virgin Islands. Napkins, towels, bridge sets, etc. Serial No. 411,062; Nov. 29. Class 42.
Voigt, J. L., doing business as Voigt's Drug Store, Appleton, Wis. Cough syrups, cold capsules, mineral oils, etc. Serial No. 409,855; Nov. 29. Class 6.
Walter, D. N. & E., & Co., San Francisco, Calif. Draperies, carpets, and rugs. Serial No. 410,812; Nov. 29. Class 42.
Warner, Richard F., New York, N. Y. Canned fish and canned crab meat. Serial No. 409,896; Nov. 29. Class 46.
Washington Manufacturing Co., Nashville, Tenn. Shirts and pants. Serial No. 411,110; Nov. 29. Class 39.
Weil Clothing Company, St. Louis, Mo. Men's and boys' hats. Serial No. 409,451; Nov. 29. Class 39.
Weil-Kalter Mfg. Co., St. Louis, Mo. Bloomers, panties, "briefs", etc. Serial No. 410,009; Nov. 29. Class 39.
Weinberger, Julius A., doing business as The Jawine Company, New York, N. Y. Angora yarn. Serial No. 410,973; Nov. 29. Class 43.
West Ontario Citrus Association, Ontario, Calif. Fresh citrus fruit. Serial No. 398,949; Nov. 29. Class 46.
West Ontario Citrus Association, Ontario, Calif. Fresh citrus fruit. Serial No. 398,951; Nov. 29. Class 46.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Reflectors and hoods for electric lamps. Serial No. 411,561; Nov. 29. Class 34.
Westminster Tire Corporation, New York, N. Y. Rubber tires and inner tubes therefor. Serial No. 384,770; Nov. 29. Class 35.
Wilson, Andrew, Inc., Springfield, N. J. Exterminator. Serial No. 410,054; Nov. 29. Class 6.
Wilson, Andrew, Inc., Springfield, N. J. Preparation for destroying insects, vermin, and the like. Serial No. 410,055; Nov. 29. Class 6.
Wizard Lightfoot Appliance Co., St. Louis, Mo. Infant's shoes. Serial No. 409,796; Nov. 29. Class 39.
Woodridge Manufacturing Co., Inc., The, Wood Ridge, N. J. Metallic mercury. Serial No. 408,978; Nov. 29. Class 6.
Wyoming Valley Paper Mill, Northumberland, N. H., and New York, N. Y. Paper towels. Serial No. 411,665; Nov. 29. Class 37.
Yankee Metal Products Corp., Norwalk, Conn. Vehicular accessories. Serial No. 411,393; Nov. 29. Class 34.

LIST OF REGISTRANTS OF TRADE-MARKS

Acme Steel Company, Chicago, Ill. Stapling wire. 362,695–6; Nov. 29; Serial Nos. 402,500–01; published Sept. 20, 1938. Class 14.
Air & Refrigeration Corp., New York, N. Y. Units for cleaning, humidifying, etc., of air. 362,858; Nov. 29. Class 34.
Allsteel Products Manufacturing Company, The, Wichita, Kans. Tractor type, general well servicing units. 362,728; Nov. 29; Serial No. 405,977; published Sept. 20, 1938. Class 23.
American Bitumuls Company, Wilmington, Del., and San Francisco, Calif. Asphalt, asphalt emulsions, asphalt compositions. 362,710; Nov. 29; Serial No. 404,558; published Sept. 20, 1938. Class 12.
American Optical Company, Southbridge, Mass. Lens grinding and polishing compounds. 362,761; Nov. 29; Serial No. 407,786; published Sept. 20, 1938. Class 4.
American Products Co., San Francisco, Calif. Mouthpieces for the prevention of snoring. 362,723; Nov. 29; Serial No. 405,584; published Sept. 20, 1938. Class 44.
American Valve & Meter Company, The, assignor to J. T. McGarry, Cincinnati, Ohio. Railway hydrant water-servicing columns and valves and parts therefor. 362,668; Nov. 29; Serial No. 384,609; published Dec. 15, 1936. Class 13.
Armstrong Cork Products Company, Lancaster, Pa. Rolls, roll covers, etc. for textile mill usage. 362,757; Nov. 29; Serial No. 407,654; published Sept. 20, 1938. Class 23.
Anderson Company, The, Gary, Ind. Chemical cleaners. 362,694; Nov. 29; Serial No. 402,461; published Sept. 20, 1938. Class 4.
Angelica Foods. (See Batten, Joseph.)
Autogroom Company, The, New York, N. Y. Preparation for producing a lustre upon finished surfaces. 362,794; Nov. 29; Serial No. 408,632; published Sept. 20, 1938. Class 16.
Bamberger, L. & Co., Newark, N. J. Bracelets, rings, brooches, etc. 362,816; Nov. 29; Serial No. 409,148; published Sept. 20, 1938. Class 28.
Batten, Joseph, doing business as Angelica Foods, Caldwell, N. J. Baked beans. 362,705; Nov. 29; Serial No. 403,900; published Sept. 20, 1938. Class 46.
Bauer, Christopher W., Brooklyn, N. Y. Games. 362,817; Nov. 29; Serial No. 409,150; published Sept. 13, 1938. Class 22.
Baum, Bernard H., New York, N. Y. Toy automobiles. 362,824–5; Nov. 29; Serial Nos. 409,291–2; published Sept. 13, 1938. Class 22.
Bay State Manufacturing Company, Boston, Mass. Dresses. 362,852; Nov. 29. Class 39.
Beardsley & Piper Company, The, Chicago, Ill. Apparatus for treating and conditioning molding sand and other granular material. 362,805; Nov. 29; Serial No. 408,827; published Sept. 20, 1938. Class 23.
Beck, A. S., Shoe Corporation, New York, N. Y. Shoes and slippers. 362,845; Nov. 29. Class 39.
Bee Hat & Cap Co., St. Louis, Mo. Hats and caps. 362,666; Nov. 29; Serial No. 375,837; published Sept. 20, 1938. Class 39.
Beich, Paul F., Company, Bloomington and Chicago, Ill. Candy. 362,767–8; Nov. 29; Serial Nos. 407,936–7; published Sept. 20, 1938. Class 46.
Bell, John D., doing business as Unveiling the Universe, Scranton, Pa., and New York, N. Y. Column and periodical. 362,674; Nov. 29; Serial No. 393,247; published Sept. 13, 1938. Class 38.
Bell, Ross A., Oklahoma City, Okla. Electro-magnetic-vibrator. 362,720; Nov. 29; Serial No. 405,190; published Sept. 20, 1938. Class 44.
Bismor Company. (See Ford Hopkins Company.)
Blach, J., & Sons, Inc., Birmingham, Ala. Hosiery, gloves, blouses, etc. 362,771; Nov. 29; Serial No. 408,004; published Sept. 20, 1938. Class 39.
Bollman, Geo. W., & Co., Adamstown, Pa. Hats. 362,840; Nov. 29. Class 39.
Boston Woven Hose and Rubber Company, Cambridge, Mass. Rubber belting, rubber or rubber and fabric hose, and fruit jar rings. 362,821; Nov. 29; Serial No. 409,257; published Sept. 13, 1938. Class 35.
Bouchard Aîné & Fils, Beaune, France. Wines. 362,749–53; Nov. 29; Serial Nos. 407,523–7; published Sept. 20, 1938. Class 47.
Buffalo Times Company, Inc., The, Buffalo, N. Y. Newspaper column. 362,785–6; Nov. 29; Serial Nos. 408,483–4; published Sept. 20, 1938. Class 38.
Bulard Watch Co. Inc., New York, N. Y. Watches. 362,697; Nov. 29; Serial No. 402,841; published Sept. 20, 1938. Class 27.
Business Screen Magazines, Inc., Chicago, Ill. Magazine. 362,769; Nov. 29; Serial No. 407,939; published Sept. 20, 1938. Class 38.
California Wine Products Corporation, Jersey City, N. J. Wines. 362,830; Nov. 29; Serial No. 409,187; published Oct. 4, 1938. Class 47.
Canada Dry Ginger Ale, Inc., New York, N. Y. Mineral, table and carbonated waters. 362,837; Nov. 29. Class 45.
Capitol Home Insulation Co., Chicago, Ill. Thermal insulation. 362,683; Nov. 29; Serial No. 398,420; published Sept. 13, 1938. Class 12.
Cardinal Parfums, Incorporated, New York, N. Y. Stand. 362,727; Nov. 29; Serial No. 405,953; published Sept. 13, 1938. Class 32.

Carter, Helen C., Los Angeles, Calif. Hair and scalp conditioner, face powder, clay pack, etc. 362,719; Nov. 29; Serial No. 405,058; published July 12, 1938. Class 6.
Celotex Corporation, The, Chicago, Ill. Sound absorbing pads. 362,812; Nov. 29; Serial No. 408,989; published Sept. 13, 1938. Class 12.
Chartreuse Corporation, New York, N. Y. Liqueurs. 362,754; Nov. 29; Serial No. 407,530; published Sept. 6, 1938. Class 49.
Chattanooga Bakery. (See Mountain City Mill Company.)
Chemicals and Pharmaceuticals, Inc., Bloomfield, N. J. Effervescent alkalizing tablets with vitamins. 362,762; Nov. 29; Serial No. 407,796; published Sept. 13, 1938. Class 6.
Clark, Charles L., Richmond, Va. Whiskey. 362,829; Nov. 29; Serial No. 409,420; published Sept. 13, 1938. Class 49.
Clyde, Charles, Corporation, Jersey City, N. J. Slide fasteners. 362,748; Nov. 29; Serial No. 407,424; published Sept. 20, 1938. Class 13.
Coast Enterprises. (See Spellman, Samuel A.)
Cohn & Rosenberger, Inc., New York, N. Y. Necklaces and bracelets, earrings, etc. 362,822; Nov. 29; Serial No. 406,260; published Sept. 20, 1938. Class 28.
Colgate-Palmolive-Peet Company, Jersey City, N. J. Dental cream. 362,818; Nov. 29; Serial No. 409,158; published Sept. 13, 1938. Class 6.
Commerce Clearing House, Inc., Chicago, Ill. News bulletin. 362,811; Nov. 29; Serial No. 408,981; published Sept. 20, 1938. Class 38.
Cone Automatic Machine Company, Inc., Windsor, Vt. Automatic lathes and screw machines. 362,745; Nov. 29; Serial No. 407,305; published Sept. 20, 1938. Class 23.
Conkey, H. D., & Company, Mendota, Ill. Ice cream freezers. 362,760; Nov. 29; Serial No. 407,748; published Sept. 13, 1938. Class 31.
Conn, C. G., Ltd., Elkhart, Ind. Musical instruments of the xylophone type. 362,684; Nov. 29; Serial No. 398,559; published Sept. 20, 1938. Class 36.
Consolidated Decalcomania Corporation, Jamaica, N. Y. Decalcomania. 362,788; Nov. 29; Serial No. 408,533; published Sept. 20, 1938. Class 38.
Consolidated Paper Manufacturing Co., Los Angeles, Calif. Toilet tissue, paper napkins, and paper towels. 362,791; Nov. 29; Serial No. 408,617; published Sept. 20, 1938. Class 37.
Continental Undergarment Co., Brooklyn, N. Y. Ladies' bloomers. 362,831; Nov. 29. Class 39.
Cosden Petroleum Corporation, Fort Worth, Tex. Oils and greases. 362,702; Nov. 29; Serial No. 403,641; published Sept. 13, 1938. Class 15.
Cosden Petroleum Corporation, Fort Worth, Tex. Gasoline, benzine, kerosene, and motor fuel oil. 362,703–4; Nov. 29; Serial Nos. 403,642–3; published Sept. 13, 1938. Class 15.
Coughlan, G. N., Co., Inc., Orange, N. J. Pea shellers, kitchen shears, jar openers, etc. 362,669; Nov. 29; Serial No. 386,483; published Sept. 20, 1938. Class 23.
Crown Zellerbach Corporation, also doing business as Crown Willamette Paper Company, San Francisco, Calif. Wrapping paper. 362,758; Nov. 29; Serial No. 407,718; published Sept. 20, 1938. Class 37.
Cuetara, Salvador, Boston, Mass. Shoes and slippers. 362,724; Nov. 29; Serial No. 405,765; published Sept. 20, 1938. Class 39.
Cummins Distilleries Corporation, Louisville and Athertonville, Ky. Whiskies. 362,820; Nov. 29; Serial No. 409,192; published Sept. 27, 1938. Class 49.
Cushman Motor Works, The, Lincoln, Nebr. Internal combustion engines and structural parts thereof. 362,712; Nov. 29; Serial No. 404,692; published Sept. 20, 1938. Class 23.
Deer, John J., New York, N. Y. Chance game. 362,826; Nov. 29; Serial No. 409,300; published Sept. 13, 1938. Class 22.
Detroit Macoid Corporation, Detroit, Mich. Lacquer and like coating compositions. 362,670; Nov. 29; Serial No. 390,053; published Sept. 20, 1938. Class 16.
Ditto, Incorporated, Chicago, Ill. Solvent. 362,665; Nov. 29; Serial No. 367,186; published Sept. 13, 1938. Class 6.
Douglas Fir Plywood Association, Tacoma, Wash. Plywood. 362,808; Nov. 29; Serial No. 408,944; published Sept. 13, 1938. Class 12.
Dow Chemical Company, The, Midland, Mich. Ethyl cellulose. 362,672; Nov. 29; Serial No. 391,521; published Sept. 13, 1938. Class 6.
Drueding Brothers Company, Philadelphia, Pa. Sweat bands. 362,789; Nov. 29; Serial No. 408,565; published Sept. 20, 1938. Class 39.
Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Forced draft darkroom ventilators. 362,729; Nov. 29; Serial No. 406,285; published Sept. 20, 1938. Class 34.
Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Photographic cameras. 362,787; Nov. 29; Serial No. 408,497; published Sept. 20, 1938. Class 26.
Ekman, Frank H., Westerly, R. I. Medicated ointment. 362,701; Nov. 29; Serial No. 403,487; published Sept. 13, 1938. Class 6.
Everett, S. & R. J., & Company Limited, Thornton Heath, England. Surgical needles, stutures, and syringes. 362,778; Nov. 29; Serial No. 408,343; published Sept. 20, 1938. Class 44.
Fairchild Publications, Corp., doing business as Fairchild News Service, New York, N. Y. News column. 362,689; Nov. 29; Serial No. 401,996; published Sept. 20, 1938. Class 38.
Farina, Orlando E., doing business as M. Farina & Sons, San Francisco, Calif. Fresh grapes. 362,809; Nov. 29; Serial No. 408,945; published Sept. 20, 1938. Class 46.
Farrar & Trefts, Incorporated, Buffalo, N. Y. Pressure tanks and hot water and steam boilers. 362,686; Nov. 29; Serial No. 399,923; published Sept. 20, 1938. Class 34.
Fendrich, H., Incorporated, Evansville, Ind. Cigars. 362,780–1; Nov. 29; Serial Nos. 408,378–9; published Sept. 20, 1938. Class 17.
Firmenich & Co., Inc., New York, N. Y. Essential oils for perfumery purposes, etc. 362,741; Nov. 29; Serial No. 407,095; published Sept. 13, 1938. Class 6.
Fisher, Katharine M., doing business as Ellis G. Fisher Company, Phoenix, Ariz. Evaporative cooler and humidifier. 362,763; Nov. 29; Serial No. 407,804; published Sept. 20, 1938. Class 34.
Fiske, Joseph J., New York, N. Y. Publication. 362,734; Nov. 29; Serial No. 406,719; published Sept. 13, 1938. Class 38.
Ford Hopkins Company, also doing business as The Laxative Clinic, Chicago, Ill. Laxative in tablet form. 362,679; Nov. 29; Serial No. 395,413; published Nov. 2, 1937. Class 6.
Ford Hopkins Company, also doing business as Bismor Company, Chicago, Ill. Alkaline antacid powder. 362,777; Nov. 29; Serial No. 408,224; published Sept. 13, 1938. Class 6.
Formoil Company, Minneapolis, Minn. Transparent waterproofing. 362,772; Nov. 29; Serial No. 408,055; published Sept. 20, 1938. Class 12.
Franklin Simon & Co., Inc., New York, N. Y. Coats, suits, dresses, etc. 362,835; Nov. 29. Class 39.
General Products Laboratories, also doing business as Mo-Tee-Na Laboratories, Columbus, Ohio. Medicinal tablets, liquids, powders, etc. 362,746; Nov. 29; Serial No. 407,372; published Sept. 13, 1938. Class 6.
General Refractories Company, Philadelphia, Pa. Bricks or refractory shapes. 362,800; Nov. 29; Serial No. 408,790; published Sept. 13, 1938. Class 12.
General Refractories Company, Philadelphia, Pa. Refractory products. 362,801; Nov. 29; Serial No. 408,791; published Sept. 13, 1938. Class 12.
General Refractories Company, Philadelphia, Pa. Bricks or refractory shapes. 362,802; Nov. 29; Serial No. 408,795; published Sept. 13, 1938. Class 12.
General Refractories Company, Philadelphia, Pa. Refractory products. 362,803; Nov. 29; Serial No. 408,796; published Sept. 13, 1938. Class 12.
General Shoe Corporation, Nashville, Tenn. Boots, shoes, and slippers. 362,798; Nov. 29; Serial No. 408,699; published Sept. 20, 1938. Class 39.
Gernes Garment Company Incorporated, The, Kansas City, Mo. Dresses, playsuits, skirts, etc. 362,841; Nov. 29. Class 39.
Glidden Company, The, Cleveland, Ohio. Vegetable protein compound. 362,733; Nov. 29; Serial No. 406,640; published Sept. 20, 1938. Class 46.
Gould, Elizabeth, Brooklyn, N. Y. Soap. 362,779; Nov. 29; Serial No. 408,345; published Sept. 20, 1938. Class 4.
Gravell, James H., Ambler, Pa. Mechanical educational device. 362,713; Nov. 29; Serial No. 404,757; published Sept. 20, 1938. Class 26.
Greenpoint Metallic Bed Company, Inc., Brooklyn, N. Y. Bed springs and mattresses. 362,675; Nov. 29; Serial No. 394,228; published Nov. 2, 1937. Class 32.
Hale, Dr. William C., Arlington, Tex. Preparation for treatment and relief of skin affections. 362,692; Nov. 29; Serial No. 402,424; published Sept. 13, 1938. Class 6.
Harrover, William F., doing business as the Rola-Flor Company, New York, N. Y. Portable roll-up type of dance floor. 362,846; Nov. 29. Class 50.
Hickok Manufacturing Company, Inc., Rochester, N. Y. Pocket knives. 362,770; Nov. 29; Serial No. 407,987; published Sept. 20, 1938. Class 23.
Hill & Griffith Co., The, Cincinnati, Ohio. Composition of matter for eliminating dross. 362,782; Nov. 29; Serial No. 408,423; published Sept. 20, 1938. Class 50.
Honolulu Star-Bulletin, Ltd., Honolulu, Hawaii. Periodical. 362,755; Nov. 29; Serial No. 407,548; published Sept. 20, 1938. Class 38.
Imperial Furniture Company, Grand Rapids, Mich. Household furniture. 362,737; Nov. 29; Serial No. 406,977; published Sept. 13, 1938. Class 32.
Imra Cosmetics, Inc. (See Union Pharmaceutical Co., Inc., assignor.)
Iskin, Harry, Philadelphia, Pa. Ornamental jewelry. 362,738; Nov. 29; Serial No. 406,979; published Sept. 13, 1938. Class 28.
Jamieson, C. E., & Company, Detroit, Mich. Preparation for the relief of constipation and for intestinal disturbances. 362,774; Nov. 29; Serial No. 408,192; published Sept. 13, 1938. Class 6.

Karr, Dar, Los Angeles, Calif. Electric control apparatus. 362,678; Nov. 29; Serial No. 391,915; published Sept. 20, 1938. Class 21.
Kayser, Julius, & Co., New York, N. Y. Slips. 362,847–8; Nov. 29. Class 39.
Kendall Company, The, Walpole, Mass. Curtain fabrics. 362,836; Nov. 29. Class 42.
King Features Syndicate, Inc., New York, N. Y. Cartoons. 362,783; Nov. 29; Serial No. 408,466; published Sept. 13, 1938. Class 38.
Knapp Electric Shaver, Inc., Long Island City, N. Y., assignor to Knapp-Monarch Company, St. Louis, Mo. Hair clippers and electric shavers. 362,699; Nov. 29; Serial No. 403,264; published Sept. 20, 1938. Class 23.
Kress, S. H., and Company, New York, N. Y. Manicure sets, nail files, orangewood sticks, etc. 362,854; Nov. 29. Class 44.
Lamport Mfg. Supply Co., Inc., The, New York, N. Y. Linen piece goods. 362,851; Nov. 29. Class 42.
Landstrom Furniture Corporation, Rockford, Ill. Bedroom suites, dining room suites, etc. 362,721; Nov. 29; Serial No. 405,259; published Sept. 13, 1938. Class 32.
Laxative Clinic, The. (See Ford Hopkins Company.)
Lee Paper Company, Vicksburg, Mich. Bond paper. 362,859; Nov. 29. Class 37.
Livon Laboratories. (See Steik, Karl T.)
Louisiana Drug Co. Inc., Opelousas, La. Insect spray, insect dust, antiseptic, etc. 362,796; Nov. 29; Serial No. 408,651; published Sept. 13, 1938. Class 6.
Lowe, Joe, Corporation, New York, N. Y. Frozen confections. 362,807; Nov. 29; Serial No. 408,926; published Sept. 20, 1938. Class 46.
Lullabye Furniture Corporation, Stevens Point, Wis. Children's furniture. 362,828; Nov. 29; Serial No. 409,364; published Sept. 13, 1938. Class 32.
Madison-Kipp Corporation, Madison, Wis. Metal castings. 362,790; Nov. 29; Serial No. 408,613; published Sept. 20, 1938. Class 14.
Mancuso, Andrew, Kansas City, Mo. Bleach, disinfectant, germicides, etc. 362,711; Nov. 29; Serial No. 404,589; published Sept. 13, 1938. Class 6.
Manierre, Cyrus E., doing business as Solvent Products Co., New York, N. Y. Washing fluid. 362,823; Nov. 29; Serial No. 409,277; published Sept. 20, 1938. Class 4.
Marshall Field & Company, Chicago, Ill. Women's and misses' hats. 362,747; Nov. 29; Serial No. 407,382; published Sept. 20, 1938. Class 39.
Martha Maid Manufacturing Company, Chicago, Ill. Women's underwear or undergarments, slips, etc. 362,838; Nov. 29. Class 39.
May Department Stores Company, The, New York, N. Y.; Akron, Ohio; Baltimore, Md.; Denver, Colo.; Los Angeles, Calif.; St. Louis, Mo.; and doing business as The May Company, Cleveland, Ohio. Women's and misses' coats. 362,842; Nov. 29. Class 39.
McGarry, John T. (See American Valve & Meter Company, The, assignor.)
Megowen-Educator Food Company, Cambridge, Mass. Crackers and biscuits. 362,849; Nov. 29. Class 46.
Mennel Milling Company, Toledo, doing business as Waterside Milling Company, Fostoria, Ohio. Wheat flour. 362,759; Nov. 29; Serial No. 407,761; published Sept. 20, 1938. Class 46.
Mesa Citrus Growers, Mesa, Ariz. Fresh citrus fruit. 362,731; Nov. 29; Serial No. 406,594; published Sept. 20, 1938. Class 46.
Meyers, D. H., New York, N. Y. Preparation used for indigestion and as an anti-acid. 362,736; Nov. 29; Serial No. 406,871; published Sept. 13, 1938. Class 6.
Moirs Limited, Halifax, Nova Scotia, Canada. Chocolates. 362,685; Nov. 29; Serial No. 399,194; published Aug. 2, 1938. Class 46.
Montreal Orange Bottling Company Limited, Montreal, Quebec, Canada. Carbonate drink. 362,853; Nov. 29. Class 45.
Mo-Tee-Na Laboratories. (See General Products Laboratories.)
Motlow, Lem, Lynchburg, Tenn. Whiskey. 362,813; Nov. 29; Serial No. 409,101; published Sept. 13, 1938. Class 49.
Mountain City Mill Company, doing business as Chattanooga Bakery, Chattanooga, Tenn. Cookies or cookies in combination with filler as a sandwich. 362,832; Nov. 29. Class 46.
N. V. Organon, Oss, Netherlands. Synthetic dietetic foodstuffs. 362,681; Nov. 29; Serial No. 397,375; published Sept. 20, 1938. Class 46.
N. V. Organon, Oss, Netherlands. Synthetic dietetic foodstuffs. 362,682; Nov. 29; Serial No. 397,562; published Sept. 20, 1938. Class 46.
National Broadcasting Company, Inc., New York, N. Y. Chimes. 362,773; Nov. 29; Serial No. 408,121; published Sept. 20, 1938. Class 36.
Nettleton, A. E., Company, Syracuse, N. Y. Shoes. 362,784; Nov. 29; Serial No. 408,471; published Sept. 20, 1938. Class 39.
Nishizu, Clarence, Buena Park, Calif. Fresh tomato and celery. 362,698; Nov. 29; Serial No. 402,948; published Sept. 20, 1938. Class 46.
Northwest Lead Company, Seattle, Wash. Solder. 362,693; Nov. 29; Serial No. 402,438; published Sept. 20, 1938. Class 14.
Nu-Way Battery Service Company. (See Wilson, E. L.)
Ogden, Edwin B., doing business as Voybon Company, Natchez, Miss. Preparation for the prevention and relief of nausea. 362,765; Nov. 29; Serial No. 407,882; published Sept. 13, 1938. Class 6.
Oxyaskarin G. m. b. H., Halle, Germany. Anthelminthic medicines and pharmaceutical preparations. 362,707; Nov. 29; Serial No. 404,262; published Sept. 13, 1938. Class 6.
Parsons, J. L., & Sons, Bloomingdale, N. Y. Skis. 362,722; Nov. 29; Serial No. 405,315; published Sept. 20, 1938. Class 22.
Peck & Peck, New York, N. Y. Wearing apparel for women. 362,855; Nov. 29. Class 39.
Plunkett-Webster Lumber Co., Inc., New Rochelle, N. Y. Lumber. 362,677; Nov. 29; Serial No. 394,755; published Sept. 13, 1938. Class 12.
Polly Bros., New York, N. Y. Olive oil. 362,856; Nov. 29. Class 46.
Professional Laboratories, Inc., New York, N. Y., and Bloomfield, N. J. Preparations indicated in the treatment of certain gastrointestinal disorders in small animals. 362,764; Nov. 29; Serial No. 407,815; published Sept. 13, 1938. Class 6.
Progressive Musical Instrument Corporation, New York, N. Y. Musical instruments and string instrument accessories. 362,690; Nov. 29; Serial No. 402,277; published Sept. 20, 1938. Class 36.
Pure Oil Company, The, Chicago, Ill. Oils. 362,678; Nov. 29; Serial No. 395,000; published Sept. 13, 1938. Class 15.
Real Adventures Publishing Co., Inc., New York, N. Y. Periodical. 362,804; Nov. 29; Serial No. 408,809; published Sept. 20, 1938. Class 38.
Regents of the University of Michigan, The, Ann Arbor, Mich. Publication. 362,744; Nov. 29; Serial No. 407,198; published Sept. 20, 1938. Class 38.
Republic Steel Corporation, Cleveland, Ohio. Metallic culverts and drainage pipe. 362,843; Nov. 29. Class 13.
Richman, Harry, Beechhurst, Long Island, N. Y. Publications appertaining to aeronautics. 362,667; Nov. 29; Serial No. 379,015; published Aug. 11, 1936. Class 38.
Röhm & Haas Company, Philadelphia, Pa. Insecticides, fungicides, and disinfectants. 362,775; Nov. 29; Serial No. 408,167; published Sept. 13, 1938. Class 6.
Rola-Flor Company. (See Harrover, William F.)
Row, Peterson & Company, Evanston, Ill. Books and picture cards. 362,706; Nov. 29; Serial No. 404,057; published Sept. 20, 1938. Class 38.
Saks & Company, New York, N. Y. Slips. 362,844; Nov. 29. Class 39.
Schenker, Michel & Weinstock, Inc., Chicago, Ill. Women's coats and suits. 362,857; Nov. 29. Class 39.
Schleicher, Carl, & Schüll Co., Inc., New York, N. Y. Filter papers. 362,799; Nov. 29; Serial No. 408,765; published Sept. 13, 1938. Class 31.
Schoeneman, J., Inc., Baltimore, Md. Coats, vests, trousers, etc. 362,860; Nov. 29. Class 39.
Schoenhut, O., Inc., Philadelphia, Pa. Table game. 362,819; Nov. 29; Serial No. 409,175; published Sept. 20, 1938. Class 22.
Schutte & Koerting Company, Philadelphia, Pa. Rotameters. 362,691; Nov. 29; Serial No. 402,346; published Sept. 20, 1938. Class 26.
Selmer, H. & A., Incorporated, Elkhart, Ind. Specially constructed electric cord, with special outlets. 362,739; Oct. 29; Serial No. 406,990; published Sept. 20, 1938. Class 21.
Sheet Polarizer Company, Inc., Union City, N. J. Sheets of optically anisotropic materials. 362,756; Nov. 29; Serial No. 407,608; published Sept. 20, 1938. Class 26.
Shelton, W. G., Company, St. Louis, Mo. Chairs, tables, settees, etc. 362,792; Nov. 29; Serial No. 408,624; published Sept. 13, 1938. Class 32.
Shields, Inc., Attleboro, Mass. Cigarette cases. 362,680; Nov. 29; Serial No. 396,652; published Sept. 20, 1938. Class 8.
Smart Deb Frocks, Inc., New York, N. Y. Dresses, blouses, negligees, etc. 362,850; Nov. 29. Class 39.
Smit, J. K., & Sons of Michigan, Inc., Detroit, Mich. Diamond pointed tools. 362,735; Nov. 29; Serial No. 406,783; published Sept. 20, 1938. Class 26.
Society of Chemical Industry in Basle, Basel, Switzerland. Female sex hormone preparation. 362,714–17; Nov. 29; Serial Nos. 404,912–15; published Sept. 13, 1938. Class 6.
Society of Chemical Industry in Basle, Basel, Switzerland. Female sex hormone preparation. 362,718; Nov. 29; Serial No. 404,918; published Sept. 13, 1938. Class 6.
Society of Chemical Industry in Basle, Basel, Switzerland. Suprarenal cortical hormone. 362,814; Nov. 29; Serial No. 409,111; published Sept. 13, 1938. Class 6.
Solvent Products Co. (See Manierre, Cyrus E.)
Spellman, Samuel A., doing business as Coast Enterprises, Los Angeles, Calif. Publication. 362,726; Nov. 29; Serial No. 405,940; published Sept. 13, 1938. Class 38.
Standard Mailing Machines Company, Everett, Mass. Typewriter, writing, master copy, copy paper and envelopes. 362,700; Nov. 29; Serial No. 403,285; published Sept. 20, 1938. Class 37.

Steik, Karl T., doing business as Livon Laboratories, Upper Montclair, N. J. Antiseptic ointment. 362,815; Nov. 29; Serial No. 409,114; published Sept. 13, 1938. Class 6.

Sun Oil Company, Philadelphia, Pa. Oils and greases. 362,740; Nov. 29; Serial No. 407,074; published Sept. 20, 1938. Class 15.

Sweet Candy Company, Salt Lake City, Utah. Candy. 362,810; Nov. 29; Serial No. 408,973; published Sept. 20, 1938. Class 46.

Tax Research Institute of America, Incorporated, New York, N. Y. Publication. 362,671; Nov. 29; Serial No. 391,249; published Sept. 13, 1938. Class 38.

Texas Company, The, New York, N. Y. Diesel gas oil. 362,795; Nov. 29; Serial No. 408,666; published Sept. 13, 1938. Class 15.

"The Mayflower" Pictures Corporation Limited, London, England. Cinematograph films. 362,776; Nov. 29; Serial No. 408,194; published Sept. 20, 1938. Class 26.

Tissue Brands Inc., New York, N. Y. Facial tissues. 362,834; Nov. 29. Class 37.

Trimble Nurseryland Furniture, Inc., Rochester, N. Y. Infants' bath stands. 362,742; Nov. 29; Serial No. 407,165; published Sept. 20, 1938. Class 32.

Trutred, Inc., Los Angeles, Calif. Tires and tubes. 362,797; Nov. 29; Serial No. 408,667; published Sept. 13, 1938. Class 35.

Union Pharmaceutical Co., Inc., Bloomfield, assignor to Imra Cosmetics, Inc., Jersey City, N. J. Depilatory. 362,766; Nov. 29; Serial No. 407,890; published Sept. 13, 1938. Class 6.

United Paper Company, Braintree and East Braintree, Mass. Gummed paper and gummed' paper tapes. 362,833; Nov. 29. Class 37.

United States Paper Company, Los Angeles, Calif. Toilet tissue, paper napkins, and paper towels. 362,793; Nov. 29; Serial No. 408,627; published Sept. 20, 1938. Class 37.

Universal Atlas Cement Co., Chicago, Ill. Oil well cement. 362,676; Nov. 29; Serial No. 394,440; published Sept. 20, 1938. Class 12.

Universal Atlas Cement Company, Chicago, Ill. Portland cement. 362,743; Nov. 29; Serial No. 407,167; published Sept. 13, 1938. Class 12.

Unveiling the Universe. (See Bell, John D.)

Virginia Rubatex Corporation, Bedford, Va. Insulating board. 362,709; Nov. 29; Serial No. 404,389; published Sept. 20, 1938. Class 12.

Voybon Company. (See Ogden, Edwin B.)

Wade, J. M., Wenatchee, Wash. Fresh deciduous fruits. 362,839; Nov. 29. Class 46.

Waterside Milling Company. (See Mennel Milling Company, The.)

Watkins, J. R., Company, The, Winona, Minn. Lubricating oils. 362,732; Nov. 29; Serial No. 406,613; published Sept. 13, 1938. Class 15.

Werth, Herbert, New York, N. Y. Question and answer game device. 362,827; Nov. 29; Serial No. 409,334; published Sept. 13, 1938. Class 22.

Western Battery & Supply Co., Inc., The, Kansas City, Mo. Oil filters. 362,806; Nov. 29; Serial No. 408,910; published Sept. 13, 1938. Class 31.

Western Condensing Company, San Francisco, Calif. Dried whey. 362,725; Nov. 29; Serial No. 405,790; published Sept. 20, 1938. Class 46.

Wheeler Osgood Sales Corporation, Tacoma, Wash. Resin bonded plywood. 362,730; Nov. 29; Serial No. 406,316; published Sept. 20, 1938. Class 12.

Wilson, E. L., doing business as Nu-Way Battery Service Company, Jamaica, N. Y. Battery compounds for rejuvenating batteries. 362,708; Nov. 29; Serial No. 404,339; published Sept. 13, 1938. Class 6.

Wolf Milling Co., The, Ellinwood, Kans. Wheat flour. 362,687; Nov. 29; Serial No. 401,516; published Sept. 20, 1938. Class 46.

Zimmer, Josef, Brooklyn, N. Y. Fins for use as aids in swimming. 362,688; Nov. 29; Serial No. 401,955; published Sept. 20, 1938. Class 22.

LIST OF REGISTRANTS OF LABELS

American Pop Corn Company, Sioux City, Iowa. Crown Super-Fine Pop Corn. For Pop Corn. 52,155; Nov. 29.

Archer Chemical Company, Grand Rapids, Mich. Miocide. For Crystals for Controlling Moths, Destroying Insects and Overcoming Objectionable Odors. 52,156; Nov. 29.

Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nuts. For Condiments. 52,157; Nov. 29.

Celcure Southern Corporation, Jacksonville, Fla. Celcure. For a Wood Preservative. 52,158; Nov. 29.

Clark-Millner Co., Chicago, Ill. Twin Sisters Black Lip & Cheek Rouge. For Lip and Cheek Rouge. 52,159; Nov. 29.

Clayton, A. C., Printing Co., St. Louis, Mo. Fine Footwear. For Footwear. 52,160; Nov. 29.

Diamond State Brewery, Inc., Wilmington, Del. Diamond State. For Beer. 52,161; Nov. 29.

Eastern Beverage Corporation, Hammonton, N. J. J. B. Export. For Lager Beer. 52,162; Nov. 29.

Ettelbrick Shoe Company, Greenup, Ill. Little Busybody. For Children's Shoes. 52,163; Nov. 29.

Fidelio Brewery, Inc., New York, N. Y. McSorley's Amber Ale. For Ale. 52,164; Nov. 29.

Gioia, Antonio, doing business as Gioia Macaroni Company, Rochester, N. Y. Gioia. For Alimentary Pastes. 52,165; Nov. 29.

Ingle, Grace, Asheville, N. C. Altono Herb Tonic. For an Herb Tonic. 52,166; Nov. 29.

Kropp, Henry A., Reading, Pa. Sun Cup. For a Non-Alcoholic Beverage. 52,168; Nov. 29.

Maison Blanche Company, New Orleans, La. Gold Mine. For Bourbon Whiskey. 52,169; Nov. 29.

Mead Johnson & Company, Evansville, Ind. Mead's Cereal Enriched with Mineral and Vitamin Containing Foods. For a Specially Prepared Cereal Enriched with Mineral and Vitamin Containing Foods. 52,167; Nov. 29.

Nellie Lou Corporation, The, Norwalk, Conn. Nellie Lou. For Cleaning Paste. 52,170; Nov. 29.

Nelson Wine & Distilling Company, Inc., Springdale, Ark. Arkansas Razor Back. For Sherry Wine. 52,171; Nov. 29.

Parker Brothers, Inc., Salem, Mass. Professor Mike Krophone. For a Game. 52,172; Nov. 29.

Pennwell Oil & Belting Co., Inc., New York, N. Y. Round Leather Belting. For Round Leather Belting. 52,173; Nov. 29.

Royal, Thomas M., & Company, Philadelphia, Pa. Fresh Roasted. For Roasted Coffee. 52,174; Nov. 29.

Schmidt, Henry, & Bro., Inc., Philadelphia, Pa. Tit-Tat-Toad. For a Game. 52,175; Nov. 29.

Swirls, Inc., Newark, N. J. Club Soda. For Club Soda. 52,176; Nov. 29.

Swirls, Inc., Newark, N. J. Pale Dry. For Pale Dry Ginger Ale. 52,177; Nov. 29.

Tropea, Sam, Sea Island City, N. J. Talisman. For a Preparation for Dandruff and Falling Hair. 52,178; Nov. 29.

Union Premier Food Stores, Inc., Philadelphia, Pa. Food Fair. For Eggs. 52,179; Nov. 29.

Waller, J. L., San Francisco, Calif. Dr. Waller's Skin Repairer. For a Toilet Preparation. 52,180; Nov. 29.

Ward Baking Company, New York, N. Y. Ward's Tip-Top Bread. For Bread. 52,181; Nov. 29.

Wortendyke Manufacturing Co., Richmond, Va. Lucky. For Soft Coal. 52,182; Nov. 29.

LIST OF REGISTRANTS OF PRINTS

Awful Fresh MacFarlane, Oakland, San Francisco, and Berkeley, Calif. Cashew Splits 49¢ Lb. For Nuts. 17,137; Nov. 29.

Awful Fresh MacFarlane, Oakland, San Francisco, and Berkeley, Calif. English Toffee 49¢ Lb. For Candy. 17,138; Nov. 29.

Awful Fresh MacFarlane, Oakland, San Francisco, and Berkeley, Calif. Fruit Jells 29¢ Lb. For Candy. 17,139; Nov. 29.

Awful Fresh MacFarlane, Oakland, San Francisco, and Berkeley, Calif. Coffee Blacks 49¢ Lb. For Candy. 17,140; Nov. 29.

Eureka Spring Company, Inc., Point Pleasant Beach, N. J. Eureka Springs. For Springs. 17,141; Nov. 29.

Glessner Company, The, Findlay, Ohio. Free Demonstration—Sofskin Creme. For a Cream for the Hands and Skin. 17,142; Nov. 29.

Jefferson Island Salt Company, Louisville, Ky. Souvenir Folder of Jefferson Island, Louisiana. For Salt. 17,143; Nov. 29.

Ronrico Corporation, San Juan, P. R. Ronrico Ice Cream. For Ice Cream. 17,144; Nov. 29.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 4

Cleaners, Chemical. Anderson Company. 362,694; Nov. 29; Serial No. 402,461; published Sept. 20, 1938.

Lens grinding and polishing compounds. American Optical Company. 362,761; Nov. 29; Serial No. 407,786; published Sept. 20, 1938.

Soap. E. Gould. 362,779; Nov. 29; Serial No. 408,345; published Sept. 20, 1938.

Washing fluid. C. E. Manierre. 362,823; Nov. 29; Serial No. 409,277; published Sept. 20, 1938.

CLASS 6

Battery compounds for rejuvenating batteries. E. L. Wilson. 362,708; Nov. 29; Serial No. 404,339; published Sept. 13, 1938.

Bleach, disinfectant, germicide, etc. A. Mancuso. 362,711; Nov. 29; Serial No. 404,589; published Sept. 13, 1938.

Conditioner, face powder, clay pack, etc., Hair and scalp. H. C. Carter. 362,719; Nov. 29; Serial No. 405,058; published July 12, 1938.

Cream, Dental. Colgate-Palmolive-Peet Company. 362,818; Nov. 29; Serial No. 409,158; published Sept. 13, 1938.

Depilatory. Union Pharmaceutical Co. 362,766; Nov. 29; Serial No. 407,890; published Sept. 13, 1938.

Effervescent alkalizing tablets with vitamins. Chemicals and Pharmaceuticals, Inc. 362,762; Nov. 29; Serial No. 407,796; published Sept. 13, 1938.

Ethyl cellulose. Dow Chemical Company. 362,672; Nov. 29; Serial No. 391,521; published Sept. 13, 1938.

Hormone preparation, Female sex. Society of Chemical Industry in Basle. 362,714–17; Nov. 29; Serial Nos. 404,912–15; published Sept. 13, 1938.

Hormone preparation, Female sex. Society of Chemical Industry in Basle. 362,718; Nov. 29; Serial No. 404,918; published Sept. 13, 1938.

Hormone, Suprarenal cortical. Society of Chemical Industry in Basle. 362,814; Nov. 29; Serial No. 409,111; published Sept. 13, 1938.

Insecticides, fungicides, and disinfectants. Röhm & Haas Company. 362,775; Nov. 29; Serial No. 408,167; published Sept. 13, 1938.

Laxative in tablet form. Ford Hopkins Company. 362,679; Nov. 29; Serial No. 395,413; published Nov. 2, 1937.

Medicinal tablets, liquids, powders, etc. General Products Laboratories. 362,746; Nov. 29; Serial No. 407,372; published Sept. 13, 1938.

Medicines and pharmaceutical preparations. Anthelmintic. Oxyaskarin G. m. b. H. 362,707; Nov. 29; Serial No. 404,262; published Sept. 13, 1938.

Oils for perfumery purposes, etc., Essential. Firmenich & Co. 362,741; Nov. 29; Serial No. 407,095; published Sept. 13, 1938.

Ointment, Antiseptic. K. T. Steik. 362,815; Nov. 29; Serial No. 409,114; published Sept. 13, 1938.

Ointment, Medicated. F. H. Ekman. 362,701; Nov. 29; Serial No. 403,487; published Sept. 13, 1938.

Powder, Alkaline antacid. Ford Hopkins Company. 362,777; Nov. 29; Serial No. 408,224; published Sept. 13, 1938.

Preparation for the prevention and relief of nausea. E. B. Ogden. 362,765; Nov. 29; Serial No. 407,882; published Sept. 13, 1938.

Preparation for the relief of constipation and for intestinal disturbances. C. E. Jamieson & Company. 362,774; Nov. 29; Serial No. 408,192; published Sept. 13, 1938.

Preparation for treatment and relief of skin affections. Dr. W. C. Hale. 362,692; Nov. 29; Serial No. 402,424; published Sept. 13, 1938.

Preparation used for indigestion and as an anti-acid. D. H. Meyers. 362,736; Nov. 29; Serial No. 406,871; published Sept. 13, 1938.

Preparations indicated in the treatment of certain gastro-intestinal disorders in small animals. Professional Laboratories, Inc. 362,764; Nov. 29; Serial No. 407,815; published Sept. 13, 1938.

Solvent. Ditto, Incorporated. 362,665; Nov. 29; Serial No. 367,186; published Sept. 13, 1938.

Spray, insect dust, antiseptic, etc., Insect. Louisiana Drug Co. Inc. 362,796; Nov. 29; Serial No. 408,651; published Sept. 13, 1938.

CLASS 8

Cigarette cases. Shields, Inc. 362,680; Nov. 29; Serial No. 396,652; published Sept. 20, 1938.

CLASS 12

Asphalt, asphalt emulsions, asphalt compositions. American Bitumuls Company. 362,710; Nov. 29; Serial No. 404,558; published Sept. 20, 1938.

Bricks or refractory shapes. General Refractories Company. 362,800; Nov. 29; Serial No. 408,790; published Sept. 13, 1938.

Bricks or refractory shapes. General Refractories Company. 362,802; Nov. 29; Serial No. 408,795; published Sept. 13, 1938.

Cement, Oil well. Universal Atlas Cement Co. 362,676; Nov. 29; Serial No. 394,440; published Sept. 20, 1938.

Cement, Portland. Universal Atlas Cement Company. 362,743; Nov. 29; Serial No. 407,167; published Sept. 13, 1938.

Insulation, Thermal. Capitol Home Insulation Co. 362,683; Nov. 29; Serial No. 398,420; published Sept. 13, 1938.

Insulating board. Virginia Rubatex Corporation. 362,709; Nov. 29; Serial No. 404,389; published Sept. 20, 1938.

Lumber. Plunkett-Webster Lumber Co. 362,677; Nov. 29; Serial No. 394,755; published Sept. 13, 1938.

Pads, Sound absorbing. Celotex Corporation. 362,812; Nov. 29; Serial No. 408,989; published Sept. 13, 1938.

Plywood. Douglas Fir Plywood Association. 362,808; Nov. 29; Serial No. 408,944; published Sept. 13, 1938.

Plywood, Resin bonded. Wheeler Osgood Sales Corporation. 362,730; Nov. 29; Serial No. 406,316; published Sept. 20, 1938.

Refractory products. General Refractories Company. 362,801; Nov. 29; Serial No. 408,791; published Sept. 13, 1938.

Refractory products. General Refractories Company. 362,803; Nov. 29; Serial No. 408,796; published Sept. 13, 1938.

Waterproofing, Transparent. Formoil Company. 362,772; Nov. 29; Serial No. 408,055; published Sept. 20, 1938.

CLASS 13

Culverts and drainage pipe, Metallic. Republic Steel Corporation. 362,843; Nov. 29.

Fasteners, Slide. Charles Clyde Corporation. 362,748; Nov. 29; Serial No. 407,424; published Sept. 20, 1938.

Hydrant water-servicing columns and valves and parts therefor. American Valve & Meter Company. 362,668; Nov. 29; Serial No. 384,609; published Dec. 15, 1936.

CLASS 14

Castings, Metal. Madison-Kipp Corporation. 362,790; Nov. 29; Serial No. 408,613; published Sept. 20, 1938.

Solder. Northwest Lead Company. 362,693; Nov. 29; Serial No. 402,438; published Sept. 20, 1938.

Wire, Stapling. Acme Steel Company. 362,695–6; Nov. 29; Serial Nos. 402,500–1; published Sept. 20, 1938.

CLASS 15

Gasoline, benzine, kerosene, and motor fuel oil. Cosden Petroleum Corporation. 362,703–4; Nov. 29; Serial Nos. 403,642–3; published Sept. 13, 1938.

Oil, Diesel gas. Texas Company. 362,795; Nov. 29; Serial No. 408,666; published Sept. 13, 1938.

Oils. Pure Oil Company. 362,678; Nov. 29; Serial No. 395,000; published Sept. 13, 1938.

Oils and greases. Cosden Petroleum Corporation. 362,702; Nov. 29; Serial No. 403,641; published Sept. 13, 1938.

Oils and greases. Sun Oil Company. 362,740; Nov. 29; Serial No. 407,074; published Sept. 20, 1938.

Oils, Lubricating. J. R. Watkins Company. 362,732; Nov. 29; Serial No. 406,613; published Sept. 13, 1938.

CLASS 16

Lacquer and like coating compositions. Detroit Macoid Corporation. 362,670; Nov. 29; Serial No. 390,053; published Sept. 20, 1938.

Preparation for producing a lustre upon finished surfaces. Autogroom Company. 362,794; Nov. 29; Serial No. 408,632; published Sept. 20, 1938.

CLASS 17

Cigars. H. Fendrich, Incorporated. 362,780–1; Nov. 29; Serial Nos. 408,378–9; published Sept. 20, 1938.

CLASS 21

Electric control apparatus. D. Karr. 362,673; Nov. 29; Serial No. 391,915; published Sept. 20, 1938.

Electric cord, with special outlets, Specially constructed. H. & A. Selmer, Incorporated. 362,739; Nov. 29; Serial No. 406,990; published Sept. 20, 1938.

CLASS 22

Fins for use as aids in swimming. J. Zimmer. 362,688; Nov. 29; Serial No. 401,955; published Sept. 20, 1938.

Game, Chance. J. J. Deer. 362,826; Nov. 29; Serial No. 409,300; published Sept. 13, 1938.

Game device, Question and answer. H. Werth. 362,827; Nov. 29; Serial No. 409,334; published Sept. 13, 1938.

Game, Table. O. Schoenhut Inc. 362,819; Nov. 29; Serial No. 409,175; published Sept. 20, 1938.

Games. C. W. Bauer. 362,817; Nov. 29; Serial No. 409,150; published Sept. 13, 1938.

Skis. J. L. Parsons & Sons. 362,722; Nov. 29; Serial No. 405,315; published Sept. 20, 1938.

Toy automobiles. B. H. Baum. 362,824–5; Nov. 29; Serial Nos. 409,291–2; published Sept. 13, 1938.

CLASS 23

Apparatus for treating and conditioning molding sand and other granular material. Beardsley & Piper Company. 362,805; Nov. 29; Serial No. 408,827; published Sept. 20, 1938.
Clippers and electric shavers, Hair. Knapp Electric Shaver, Inc. 362,699; Nov. 29; Serial No. 403,264; published Sept. 20, 1938.
Engines and structural parts thereof, Internal combustion. Cushman Motor Works. 362,712; Nov. 29; Serial No. 404,692; published Sept. 20, 1938.
Knives, Pocket. Hickok Manufacturing Company. 362,770; Nov. 29; Serial No. 407,987; published Sept. 20, 1938.
Lathes and screw machines, Automatic. Cone Automatic Machine Company Inc. 362,745; Nov. 29; Serial No. 407,305; published Sept. 20, 1938.
Rolls, roll covers, etc., for textile mill usage. Armstrong Cork Products Company. 362,757; Nov. 29; Serial No. 407,654; published Sept. 20, 1938.
Shellers, kitchen shears, jar openers, etc., Pea. G. N. Coughlan Co. 362,669; Nov. 29; Serial No. 386,483; published Sept. 20, 1938.
Tractor type, general well servicing units. Allsteel Products Manufacturing Company. 362,728; Nov. 29; Serial No. 405,977; published Sept. 20, 1938.

CLASS 26

Cameras, Photographic. Eastman Kodak Company. 362,787; Nov. 29; Serial No. 408,497; published Sept. 20, 1938.
Educational device, Mechanical. J. H. Gravell. 362,713; Nov. 29; Serial No. 404,757; published Sept. 20, 1938.
Films, Cinematographic. "The Mayflower" Pictures Corporation Limited. 362,776; Nov. 29; Serial No. 408,194; published Sept. 20, 1938.
Rotameters. Schutte & Koerting Company. 362,691; Nov. 29; Serial No. 402,346; published Sept. 20, 1938.
Sheets of optically anisotropic materials. Sheet Polarizer Company. 362,756; Nov. 29; Serial No. 407,608; published Sept. 20, 1938.
Tools, Diamond pointed. J. K. Smit & Sons of Michigan, Inc. 362,735; Nov. 29; Serial No. 406,783; published Sept. 20, 1938.
Watches. Bullard Watch Co. Inc. 362,697; Nov. 29; Serial No. 402,841; published Sept. 20, 1938.

CLASS 28

Bracelets, rings, brooches, etc. L. Bamberger & Co. 362,816; Nov. 29; Serial No. 409,148; published Sept. 20, 1938.
Jewelry, Ornamental. H. Iskin. 362,738; Nov. 29; Serial No. 406,979; published Sept. 13, 1938.
Necklaces and bracelets, earrings, etc. Cohn & Rosenberger, Inc. 362,822; Nov. 29; Serial No. 409,260; published Sept. 20, 1938.

CLASS 31

Filter papers. Carl Schleicher & Schüll Co. 362,799; Nov. 29; Serial No. 408,765; published Sept. 13, 1938.
Filters, Oil. Western Battery & Supply Co. 362,806; Nov. 29; Serial No. 408,910; published Sept. 13, 1938.
Freezers, Ice cream. H. D. Conkey & Company. 362,760; Nov. 29; Serial No. 407,748; published Sept. 13, 1938.

CLASS 32

Bedroom suites, dining room suites, etc. Landstrom Furniture Corporation. 362,721; Nov. 29; Serial No. 405,259; published Sept. 13, 1938.
Bed springs and mattresses. Greenpoint Metallic Bed Company. 362,675; Nov. 29; Serial No. 394,228; published Nov. 2, 1937.
Chairs, tables, settees, etc. W. G. Shelton Company. 362,792; Nov. 29; Serial No. 408,624; published Sept. 13, 1938.
Furniture, Children's. Lullabye Furniture Corporation. 362,828; Nov. 29; Serial No. 409,364; published Sept. 13, 1938.
Furniture, Household. Imperial Furniture Company. 362,737; Nov. 29; Serial No. 406,977; published Sept. 13, 1938.
Stand. Cardinal Parfums, Incorporated. 362,727; Nov. 29; Serial No. 405,953; published Sept. 13, 1938.
Stands, Infants' bath. Trimble Nurseryland Furniture, Inc. 362,742; Nov. 29; Serial No. 407,165; published Sept. 20, 1938.

CLASS 34

Cooler and humidifier, Evaporative. K. M. Fisher. 362,763; Nov. 29; Serial No. 407,804; published Sept. 20, 1938.
Tanks and hot water and steam boilers, Pressure. Farrar & Trefts, Incorporated. 362,686; Nov. 29; Serial No. 399,923; published Sept. 20, 1938.
Units for cleaning, humidifying, etc., of air. Air & Refrigeration Corp. 362,858; Nov. 29.
Ventilators, Forced draft darkroom. Eastman Kodak Company. 362,729; Nov. 29; Serial No. 406,285; published Sept. 20, 1938.

CLASS 35

Belting, rubber or rubber and fabric hose, and fruit jar rings, Rubber. Boston Woven Hose and Rubber Company. 362,821; Nov. 29; Serial No. 409,257; published Sept. 13, 1938.
Tires and tubes. Trutred, Inc. 362,797; Nov. 29; Serial No. 408,602; published Sept. 13, 1938.

CLASS 36

Chimes. National Broadcasting Company. 362,773; Nov. 29; Serial No. 408,121; published Sept. 20, 1938.
Musical instruments and string instrument accessories. Progressive Musical Instrument Corporation. 362,690; Nov. 29; Serial No. 402,277; published Sept. 20, 1938.
Musical instruments of the xylophone type. C. G. Conn, Ltd. 362,684; Nov. 29; Serial No. 398,559; published Sept. 20, 1938.

CLASS 37

Paper and envelopes. Standard Mailing Machines Company. 362,700; Nov. 29; Serial No. 403,285; published Sept. 20, 1938.
Paper and gummed paper tapes, Gummed. United Paper Company. 362,833; Nov. 29.
Paper, Bond. Lee Paper Company. 362,859; Nov. 29.
Paper, Wrapping. Crown Zellerbach Corporation. 362,758; Nov. 29; Serial No. 407,718; published Sept. 20, 1938.
Tissue, paper napkins, and paper towels, Toilet. Consolidated Paper Manufacturing Co. 362,791; Nov. 29; Serial No. 408,617; published Sept. 20, 1938.
Tissue, paper napkins, and paper towels, Toilet. United States Paper Company. 362,793; Nov. 29; Serial No. 408,627; published Sept. 20, 1938.
Tissues, Facial. Tissue Brands Inc. 362,834; Nov. 29.

CLASS 38

Books and picture cards. Row, Peterson & Company. 362,706; Nov. 29; Serial No. 404,057; published Sept. 20, 1938.
Bulletin, News. Commerce Clearing House, Inc. 362,811; Nov. 29; Serial No. 408,981; published Sept. 20, 1938.
Cartoons. King Features Syndicate, Inc. 362,783; Nov. 29; Serial No. 408,466; published Sept. 13, 1938.
Column and periodical. J. D. Bell. 362,674; Nov. 29; Serial No. 393,247; published Sept. 13, 1938.
Column, News. Fairchild Publications, Corp. 362,689; Nov. 29; Serial No. 401,996; published Sept. 20, 1938.
Column, Newspaper. Buffalo Times Company. 362,785–6; Nov. 29; Serial Nos. 408,483–4; published Sept. 20, 1938.
Decalcomania. Consolidated Decalcomania Corporation. 362,788; Nov. 29; Serial No. 408,533; published Sept. 20, 1938.
Magazine. Business Screen Magazines, Inc. 362,769; Nov. 29; Serial No. 407,939; published Sept. 20, 1938.
Periodical. Honolulu Star-Bulletin, Ltd. 362,755; Nov. 29; Serial No. 407,548; published Sept. 20, 1938.
Periodical. Real Adventures Publishing Co. 362,804; Nov. 29; Serial No. 408,809; published Sept. 20, 1938.
Publication. J. J. Fiske. 362,734; Nov. 29; Serial No. 406,719; published Sept. 13, 1938.
Publication. Regents of the University of Michigan. 362,744; Nov. 29; Serial No. 407,198; published Sept. 20, 1938.
Publication. S. A. Spellman. 362,726; Nov. 29; Serial No. 405,940; published Sept. 13, 1938.
Publication. Tax Research Institute of America, Incorporated. 362,671; Nov. 29; Serial No. 391,249; published Sept. 13, 1938.
Publications appertaining to aeronautics. H. Richman. 362,667; Nov. 29; Serial No. 379,015; published Aug. 11, 1938.

CLASS 39

Apparel for women, Wearing. Peck & Peck. 362,855; Nov. 29.
Bands, Sweat. Druading Brothers Company. 362,789; Nov. 29; Serial No. 408,565; published Sept. 20, 1938.
Bloomers, Ladies'. Continental Undergarment Co. 362,831; Nov. 29.
Boots, shoes, and slippers. General Shoe Corporation. 362,798; Nov. 29; Serial No. 408,690; published Sept. 20, 1938.
Coats and suits, Women's. Schenker, Michel & Weinstock, Inc. 362,857; Nov. 29.
Coats, suits, dresses, etc. Franklin Simon & Co. 362,835; Nov. 29.
Coats, vests, trousers, etc. J. Schoeneman, Inc. 362,860; Nov. 29.
Coats, Women's and misses'. May Department Stores Company. 362,842; Nov. 29.
Dresses. Bay State Manufacturing Company. 362,852; Nov. 29.
Dresses, blouses, negligees, etc. Smart Deb Frocks, Inc. 362,850; Nov. 29.
Dresses, playsuits, skirts, etc. Gernes Garment Company Incorporated. 362,841; Nov. 29.
Hats. Geo. W. Bollman & Co. 362,840; Nov. 29.
Hats and caps. Bee Hat & Cap Co. 362,666; Nov. 29; Serial No. 375,837; published Sept. 20, 1938.
Hats, Women's and misses'. Marshall Field & Company. 362,747; Nov. 29; Serial No. 407,382; published Sept. 20, 1938.
Hosiery, gloves, blouses, etc. J. Blach & Sons, Inc. 362,771; Nov. 29; Serial No. 408,004; published Sept. 20, 1938.
Shoes. A. E. Nettleton Company. 362,784; Nov. 29; Serial No. 408,471; published Sept. 20, 1938.
Shoes and slippers. A. S. Beck Shoe Corporation. 362,845; Nov. 29.

Shoes and slippers. S. Cuetara. 362,724; Nov. 29; Serial No. 405,765; published Sept. 20, 1938.
Slips. Julius Kayser & Co. 362,847–8; Nov. 29.
Slips. Saks & Company. 362,844; Nov. 29.
Underwear or undergarments, slips, etc., Women's. Martha Maid Manufacturing Company. 362,838; Nov. 29.

CLASS 42

Fabrics, Curtain. Kendall Company. 362,836; Nov. 29.
Linen piece goods. Lampert Mfg. Supply Co. 362,851; Nov. 29.

CLASS 44

Electro-magnetic-vibrator. R. A. Bell. 362,720; Nov. 29; Serial No. 405,190; published Sept. 20, 1938.
Manicure sets, nail files, orangewood sticks, etc. S. H. Kress and Company. 362,854; Nov. 29.
Mouthpieces for the prevention of snoring. American Products Co. 362,723; Nov. 29; Serial No. 405,584; published Sept. 20, 1938.
Needles, sutures and syringes, Surgical. S. & R. J. Everett & Company Limited. 362,778; Nov. 29; Serial No. 408,343; published Sept. 20, 1938.

CLASS 45

Drink, Carbonate. Montreal Orange Bottling Company Limited. 362,853; Nov. 29.
Waters, Mineral, table and carbonated. Canada Dry Ginger Ale, Inc. 362,837; Nov. 29.

CLASS 46

Beans, Baked. J. Batten. 362,705; Nov. 29; Serial No. 403,900; published Sept. 20, 1938.
Candy. Paul F. Beich Company. 362,767–8; Nov. 29; Serial Nos. 407,936–7; published Sept. 20, 1938.
Candy. Sweet Candy Company. 362,810; Nov. 29; Serial No. 408,973; published Sept. 20, 1938.
Chocolates. Moirs Limited. 362,685; Nov. 29; Serial No. 399,194; published Aug. 2, 1938.
Confections, Frozen. Joe Lowe Corporation. 362,807; Nov. 29; Serial No. 408,926; published Sept. 20, 1938.
Cookies or cookies in combination with filler as a sandwich. Mountain City Mill Company. 362,832; Nov. 29.
Crackers and biscuits. Megowen-Educator Food Company. 362,849; Nov. 29.
Flour, Wheat. Mennel Milling Company. 362,759; Nov. 29; Serial No. 407,761; published Sept. 20, 1938.
Flour, Wheat. Wolf Milling Co. 362,687; Nov. 29; Serial No. 401,516; published Sept. 20, 1938.
Foodstuffs, Synthetic dietetic. N. V. Organon. 362,681; Nov. 29; Serial No. 397,375; published Sept. 20, 1938.
Foodstuffs, Synthetic dietetic. N. V. Organon. 362,682; Nov. 29; Serial No. 397,562; published Sept. 20, 1938.
Fruit, Fresh citrus. Mesa Citrus Growers. 362,731; Nov. 29; Serial No. 406,594; published Sept. 20, 1938.
Fruits, Fresh deciduous. J. M. Wade. 362,839; Nov. 29.
Grapes, Fresh. O. E. Farina. 362,809; Nov. 29; Serial No. 408,945; published Sept. 20, 1938.
Olive oil. Polly Bros. 362,856; Nov. 29.
Tomato and celery, Fresh. C. Nishizu. 362,698; Nov. 29; Serial No. 402,948; published Sept. 20, 1938.
Vegetable protein compound. Glidden Company. 362,733; Nov. 29; Serial No. 406,640; published Sept. 20, 1938.
Whey, Dried. Western Condensing Company. 362,725; Nov. 29; Serial No. 405,790; published Sept. 20, 1938.

CLASS 47

Wines. Bouchard Ainé & Fils. 362,749–53; Nov. 29; Serial Nos. 407,523–7; published Sept. 20, 1938.
Wines. California Wine Products Corporation. 362,830; Nov. 29; Serial No. 409,187; published Oct. 4, 1938.

CLASS 49

Liqueurs. Chartreuse Corporation. 362,754; Nov. 29; Serial No. 407,530; published Sept. 6, 1938.
Whiskey. C. L. Clark. 362,829; Nov. 29; Serial No. 409,420; published Sept. 13, 1938.
Whiskey. L. Motlow. 362,813; Nov. 29; Serial No. 409,101; published Sept. 13, 1938.
Whiskies. Cummins Distilleries Corporation. 362,820; Nov. 29; Serial No. 409,192; published Sept. 27, 1938.

CLASS 50

Composition of matter for eliminating dross. Hill & Griffith Co. 362,782; Nov. 29; Serial No. 408,423; published Sept. 20, 1938.
Floor, Portable roll-up type of dance. W. F. Harrover. 362,846; Nov. 29.

LIST OF LABELS

Altono Herb Tonic. For an Herb Tonic. G. Ingle. 52,166; Nov. 29.
Arkansas Razor Back. For Sherry Wine. Nelson Wine & Distilling Company. 52,171; Nov. 29.
Beech-Nut. For Condiments. Beech-Nut Packing Company. 52,157; Nov. 29.
Celcure. For a Wood Preservative. Celcure Southern Corporation. 52,158; Nov. 29.
Club Soda. For Club Soda. Swirls, Inc. 52,176; Nov. 29.
Crown Super-Fine Pop Corn. For Pop Corn. American Pop Corn Company. 52,155; Nov. 29.
Diamond State. For Beer. Diamond State Brewery, Inc. 52,161; Nov. 29.
Dr. Waller's Skin Repairer. For a Toilet Preparation. J. L. Waller. 52,180; Nov. 29.
Fine Footwear. For Footwear. A. C. Clayton Printing Co. 52,160; Nov. 29.
Food Fair. For Eggs. Union Premier Food Stores, Inc. 52,179; Nov. 29.
Fresh Roasted. For Roasted Coffee. Thomas M. Royal & Company. 52,174; Nov. 29.
Gioia. For Alimentary Pastes. A. Gioia. 52,165; Nov. 29.
Gold Mine. For Bourbon Whiskey. Maison Blanche Company. 52,169; Nov. 29.
J. B. Export. For Lager Beer. Eastern Beverage Corporation. 52,162; Nov. 29.
Little Busybody. For Children's Shoes. Ettelbrick Shoe Company. 52,163; Nov. 29.
Lucky. For Soft Coal. Wortendyke Manufacturing Co. 52,182; Nov. 29.
McSorley's Amber Ale. For Ale. Fidelio Brewery, Inc. 52,164; Nov. 29.
Mead's Cereal Enriched with Mineral and Vitamin Containing Foods. For a Specially Prepared Cereal Enriched with Mineral and Vitamin Containing Foods. Mead Johnson & Company. 52,167; Nov. 29.
Miocide. For Crystals for Controlling Moths, Destroying Insects and Overcoming Objectionable Odors. Archer Chemical Company. 52,156; Nov. 29.
Nellie Lou. For Cleaning Paste. Nellie Lou Corporation. 52,170; Nov. 29.
Pale Dry. For Pale Dry Ginger Ale. Swirls, Inc. 52,177; Nov. 29.
Professor Mike Krophone. For a Game. Parker Brothers, Inc. 52,172; Nov. 29.
Round Leather Belting. For Round Leather Belting. Pennwell Oil & Belting Co. 52,173; Nov. 29.
Sun Cup. For a Non-Alcoholic Beverage. H. A. Kropp. 52,168; Nov. 29.
Talisman. For a Preparation for Dandruff and Falling Hair. S. Tropea. 52,178; Nov. 29.
Tit-Tat-Toad. For a Game. Henry Schmidt & Bro., Inc. 52,175; Nov. 29.
Twin Sisters Black Lip & Cheek Rouge. For Lip and Cheek Rouge. Clark-Millner Co. 52,159; Nov. 29.
Ward's Tip-Top Bread. For Bread. Ward Baking Company. 52,181; Nov. 29.

LIST OF PRINTS

Cashew Splits 49¢ Lb. For Nuts. Awful Fresh MacFarlane. 17,137; Nov. 29.
Coffee Blacks 49¢ Lb. For Candy. Awful Fresh MacFarlane. 17,140; Nov. 29.
English Toffee 49¢ Lb. For Candy. Awful Fresh MacFarlane. 17,138; Nov. 29.
Eureka Springs. For Springs. Eureka Spring Company. 17,141; Nov. 29.
Free Demonstration—Sofskin Creme. For a Creme for the Hands and Skin. Glessner Company. 17,142; Nov. 29.
Fruit Jells 29¢ Lb. For Candy. Awful Fresh MacFarlane. 17,139; Nov. 29.
Ronrico Ice Cream. For Ice Cream. Ronrico Corporation. 17,144; Nov. 29.
Souvenir Folder of Jefferson Island, Louisiana. For Salt. Jefferson Island Salt Company. 17,143; Nov. 29.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 29TH DAY OF NOVEMBER, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Altenkirch, Edmund, Neuenhagen, near Berlin, assignor to Siemens-Schückertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Apparatus and process for conditioning air or the like. Re. 20,933; Nov. 29.

American Optical Company. (See Kinney, Fay D., assignor.)

Drummond, Arthur, Rye, N. Y. Key check and rack. Re. 20,928; Nov. 29.

Kinney, Fay D., assignor to American Optical Company, Southbridge, Mass. Lens and making same. Re. 20,929; Nov. 29.

Landis Machine Company. (See Reimschissel, Charles A., assignor.)

Reimschissel, Charles A., assignor to Landis Machine Company, Waynesboro, Pa. Chaser and chaser clamp. Re. 20,930; Nov. 29.

Ruthruff, Robert F., Nutley, N. J., assignor to Standard Oil Company, Chicago, Ill. Polymerization of gases. Re. 20,931; Nov. 29.

Siemens-Schuckertwerke Aktiengesellschaft. (See Altenkirch, Edmund, assignor.)

Smith, Franklin S., New Haven, Conn., assignor to Thermal Engineering Corporation, Richmond, Va. Art and apparatus for treating tobacco and the like. Re. 20,932; Nov. 29.

Standard Oil Company. (See Ruthruff, Robert F., assignor.)

Thermal Engineering Corporation. (See Smith, Franklin S., assignor.)

LIST OF PLANT PATENTEES

Byrum, Roy L., assignor to Jos. H. Hill Company, Richmond, Ind. Rose. 305; Nov. 29.

Hill, Jos H., Company. (See Byrum, Roy L., assignor.)

Maillochon, Léon, and E. Marlaud, Argenton-sur-Creuse (Indre), France, assignors to Stark Bro's. Nurseries & Orchards Company, Louisiana, Mo. Peach tree. 306; Nov. 29.

Marlaud, Ernest. (See Maillochon, L., and Marlaud.)

Stark Bro's, Nurseries & Orchards Company. (See Maillochon, L., and Marlaud, assignors.)

LIST OF DESIGN PATENTEES

Abrams, Albert, New York, N. Y. Jar cover or similar article. 112,354; Nov. 29.

Acker, Aaron C., assignor to The Newell Mfg. Co., Ogdensburg, N. Y. Container punch. 112,355; Nov. 29.

Albertson & Company. (See Albertson, Frans O., assignor.)

Albertson, Frans O., assignor to Albertson & Company, Inc., Sioux City, Iowa. Metal spray gun. 112,356; Nov. 29.

Allen, Jack G., assignor to F. H. Noble & Co., Chicago, Ill. Display box. 112,357; Nov. 29.

American-National Company, The. (See Snell, Samuel A., assignor.)

American Optical Company. (See Splaine, Edward M., assignor.)

American Seating Company. (See Bond, Willard H., Jr., assignor.)

Andrews, Anatol N., Los Angeles, Calif. Fountain pen or similar article. 112,401; Nov. 29.

Arehart, David D., assignor to Palace Travel Coach Corporation, Flint, Mich. Trailer house car body. 112,358; Nov. 29.

Beldoch, Albert I., New York, N. Y. Textile fabric. 112,359; Nov. 29.

Berger, Rosemary, New Rochelle, N. Y. Textile fabric. 112,392; Nov. 29.

Berger, Rosemary, New Rochelle, N. Y. Textile fabric. 112,393; Nov. 29.

Berger, Rosemary, New Rochelle, N. Y. Textile fabric. 112,394; Nov. 29.

Berman, Israel, New York, N. Y. Shoe or similar article. 112,328; Nov. 29.

Berman, Israel, New York, N. Y. Shoe or similar article. 112,329; Nov. 29.

Bill, George W., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Combined manual and automatic tuning panel for automobile radio sets. 112,360; Nov. 29.

Birch, Herbert M., Washington, D. C. Trousers. 112,402; Nov. 29.

Bitterman, Jacob L., New York, N. Y. Shoe. 112,330; Nov. 29.

Bitterman, Jacob L., New York, N. Y. Shoe. 112,331; Nov. 29.

Bitterman, Jacob L., New York, N. Y. Shoe. 112,332; Nov. 29.

Bitterman, Jacob L., New York, N. Y. Shoe. 112,333; Nov. 29.

Bond, Willard H., Jr., East Grand Rapids, assignor to American Seating Company, Grand Rapids, Mich. Chair standard. 112,334; Nov. 29.

Boysen, George M., Philadelphia, Pa. Lace. 112,403; Nov. 29.

Brooks, John W. H., Wynnewood, Pa. Textile fabric or similar article. 112,335; Nov. 29.

Cahill, Andrew T., Des Moines, Iowa. Character doll or similar article. 112,336; Nov. 29.

Carnegie, Hattie, Inc. (See Penn, Irene, assignor.)

Cavallo, James, Fairview, N. J. Broom cover. 112,361; Nov. 29.

Chapman, Samuel, New York, N. Y. Combined evening and street dress. 112,362; Nov. 29.

Chapman, Samuel, New York, N. Y. Combined evening and street dress. 112,363; Nov. 29.

Crosley Radio Corporation, The. (See Bill, George W., assignor.)

Crystal, David, New York, N. Y. Dress. 112,395; Nov. 29.

Daelemans, George, Woodside, Long Island, N. Y., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass. Brush back. 112,364; Nov. 29.

Dayton Rubber Mfg. Company, The. (See Mooradian, Harry S., assignor.)

Deere, John, Tractor Company. (See Dreyfuss, Henry, assignor.)

De Gérard, Arthur, Brooklyn, N. Y. Textile fabric. 112,404; Nov. 29.

Dreyfuss, Henry, New York, N. Y., assignor to John Deere Tractor Company, Waterloo, Iowa. Combined tractor radiator cover and hood. 112,365; Nov. 29.

Eastman Kodak Company. (See Hopkins, Roy S., assignor.)

Edson, Bert, Pawtucket, R. I. Lace. 112,405; Nov. 29.

Edson, Bert, Pawtucket, R. I. Lace. 112,406; Nov. 29.

Edson, Bert, Pawtucket, R. I. Lace. 112,407; Nov. 29.

Elkin, Newton, Philadelphia, Pa. Shoe or similar article. 112,337; Nov. 29.

Fracchia, Pauline, New York, N. Y. Dress. 112,396; Nov. 29.

Franklin, Loomis N., Evansville, Ind. Automobile signal lamp. 112,366; Nov. 29.

Glinn, Louis, New York, N. Y. Vestee. 112,408; Nov. 29.

Goehring, Otto C., Elmhurst, N. Y. Paper sheet or similar article. 112,397; Nov. 29.

Golden, Abraham, Chicago, Ill. Picture frame. 112,409; Nov. 29.

Green, Maurice B., Spring Valley, N. Y. Dress. 112,367; Nov. 29.

Guhl, Maclyn, New York, N. Y. Textile fabric. 112,338; Nov. 29.

Guhl, Maclyn, New York, N. Y. Textile fabric. 112,339; Nov. 29.

Gulbransen Company. (See Zack, Samuel E., assignor.)

Hafner, August, Whitestone, Long Island, N. Y. Textile fabric or similar article. 112,340; Nov. 29.

Hall, Louis M., Fort Thomas, Ky., assignor to The Monarch Tool and Manufacturing Company, Cincinnati, Ohio. Coin slide guard. 112,341; Nov. 29.
Hartwell, Benjamin F., Bellows Falls, Vt. Shoe. 112,342; Nov. 29.
Hawaiian Pineapple Company. (See Richards, Helen H., assignor.)
Hopkins, Roy S., assignor to Eastman Kodak Company, Rochester, N. Y. Combined photographic copying and projection apparatus. 112,410; Nov. 29.
Hynes, Charles L., Calcutta, India. Sock. 112,368; Nov. 29.
Kain, Irvin, Columbus, Ohio. Combination smoker's and reader's stand. 112,369; Nov. 29.
Keith, Geo. E., Company. (See Lutz, Albert W., assignor.)
Keyes, Kenneth B., New York, N. Y. Heel. 112,343; Nov. 29.
Koch, Louis A., Louisville, Ky. Automobile exhaust shroud. 112,370; Nov. 29.
Koudelka, Emil, New York, N. Y. Photographic mount. 112,371; Nov. 29.
Levy, Albert E., New York, N. Y. Dress. 112,398; Nov. 29.
Levy, Albert E., New York, N. Y. Dress. 112,399; Nov. 29.
Ludwig, Louis, Brooklyn, N. Y. Bed lamp. 112,372; Nov. 29.
Lutz, Albert W., Brockton, assignor to Geo. E. Keith Company, Campello, Mass. Shoe. 112,344; Nov. 29.
Lyon Metal Products, Incorporated. (See O'Connor, John B., assignor.)
Megar, David, New York, N. Y. Watchcase. 112,345; Nov. 29.
Monarch Tool and Manufacturing Company, The. (See Hall, Louis M., assignor.)
Monn, Charles W., Cedar Rapids, Iowa. Bottle. 112,373; Nov. 29.
Mooradian, Harry S., assignor to The Dayton Rubber Mfg. Company, Dayton, Ohio. Tire. 112,346; Nov. 29.
Muller, Henry W., Richmond Hill, N. Y. Candle drip catcher. 112,374; Nov. 29.
Muller, Henry W., Richmond Hill, N. Y. Dispensing carton. 112,411; Nov. 29.
Nelson, Lloyd A., San Francisco, Calif. Chest or similar receptacle. 112,375; Nov. 29.
Nesbitt, Carl G., New York, N. Y. Combined cake container and serving tray. 112,347; Nov. 29.
Newell Mfg. Co., The. (See Acker, Aaron C., assignor.)
Noble, F. H., & Co. (See Allen, Jack G., assignor.)
O'Connor, John B., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Chair back. 112,348; Nov. 29.
Owens-Illinois Glass Company. (See Soubier, Leonard D., assignor.)
Palace Travel Coach Corporation. (See Archart, David D., assignor.)
Paysee, Robert B., Oak Park, Ill. Sadiron or similar article. 112,376; Nov. 29.
Paysee, Robert B., Oak Park, Ill. Sadiron or similar article. 112,377; Nov. 29.
Penn, Irene, New York, N. Y., assignor to Hattie Carnegie, Inc. Lip stick holder. 112,400; Nov. 29.
Pro-phy-lac-tic Brush Company. (See Daelemans, George, assignor.)
Pryne, Ralph, Los Angeles, Calif. Mail chute. 112,378; Nov. 29.
Richards, Helen H., assignor to Hawaiian Pineapple Company, Limited, Honolulu, Hawaii. Pineapple slice. 112,412; Nov. 29.
Roth, Lester B., Prophetstown, Ill. Power lawn mower. 112,379; Nov. 29.
Safeway Stores, Inc. (See Street, Guy F., Jr., assignor.)
Sandquist, Harold I., Jamestown, N. Y. Ashtray or the like. 112,380; Nov. 29.
Sauer, C. F., Company. (See Sauer, Conrad F., Jr., assignor.)
Sauer, Conrad F., Jr., assignor to C. F. Sauer Company, Richmond, Va. Jar. 112,381; Nov. 29.
Schanzer, Knute, New York, N. Y. Hat. 112,413; Nov. 29.
Shulman, Herman, Brooklyn, N. Y. Combination lamp and smoker's unit. 112,382; Nov. 29.
Silvers, Jim I., Chicago, Ill. Clock. 112,383; Nov. 29.
Smith, F. A., Manufacturing Company. (See Toppin, Harry P., assignor.)
Snell, Samuel A., assignor to The American-National Company, Toledo, Ohio. Baby walker. 112,384; Nov. 29.
Soubier, Leonard D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. 112,385; Nov. 29.
Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Spectacle frame. 112,386; Nov. 29.
Street, Guy F., Jr., Berkeley, assignor to Safeway Stores, Inc., Vernon, Calif. Bottle. 112,387; Nov. 29.
Tammen, Glenn W., Chicago, Ill. Container for fire extinguisher. 112,388; Nov. 29.
Toppin, Harry P., assignor to F. A. Smith Manufacturing Company, Inc., Rochester, N. Y. Attachable projection lamp. 112,389; Nov. 29.
Turpan, Mark, West Englewood, N. J. Textile fabric or similar article. 112,349; Nov. 29.
Turpan, Mark, West Englewood, N. J. Textile fabric or similar article. 112,350; Nov. 29.
Turpan, Mark, West Englewood, N. J. Textile fabric or similar article. 112,351; Nov. 29.
Wickstrum, Cecil M., Omaha, Nebr. Drape for chapel tent. 112,414; Nov. 29.
Wood, Robert G., New York, N. Y. Clothespin. 112,390; Nov. 29.
Zack, Samuel E., assignor to Gulbransen Company, Chicago, Ill. Piano case. 112,352; Nov. 29.
Zack, Samuel E., assignor to Gulbransen Company, Chicago, Ill. Piano case. 112,353; Nov. 29.
Zaun, Harry C., Atlantic Beach, N. Y. Electric glow lamp. 112,391; Nov. 29.
Zumft, George, Stony Brook, N. Y. Photo frame book. 112,415; Nov. 29.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 29TH DAY OF NOVEMBER, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aaronson, Bess, et al. (See Pilblad, Eric J., assignor.)
Aarsonson, Bess, et al. (See Strange, Charles C., assignor.)
Abrasive Products, Inc. (See Walker, Charles R., assignor.)
Acme Protection Equipment Company. (See Turner, Russell J., assignor.)
Adelson, Samuel L., assignor, by mesne assignments, to Infilco Inc. Flow metering device. 2,138,266; Nov. 29.
Agfa Ansco Corporation. (See Wilmanns, G., and Schneider, assignors.)
Air Reduction Company. (See Deming, George M., assignor.)
Akers, Earl C., Detroit, Mich. Direction signal for motor vehicles. 2,138,533; Nov. 29.
Aktiebolaget Svenska Kullagerfabriken. (See Törnebohm, Hilding V., assignor.)
Alco Products Incorporated. (See Barclay, J. M., and Forbes, assignors.)
Alexander, Charles T., Lynbrook, N. Y. Nonrefillable bottle closure. 2,138,466; Nov. 29.
Allen-Bradley Company. (See Heinrich, Konrad, assignor.)
Allers, Harry W., et al. (See Preston, Gerald H., assignor.)
Altenkirch, Edmund, Neuenhagen, near Berlin, Germany. Drying and cooling apparatus. 2,138,684; Nov. 29.
Altenkirch, Edmund, Neuenhagen, near Berlin, Germany. Refrigerating apparatus. 2,138,685; Nov. 29.
Altenkirch, Edmund, Neuenhagen, near Berlin, Germany. Water accumulator. 2,138,687; Nov. 29.
Altenkirch, Edmund, Neuenhagen, near Berlin, Germany. Method and apparatus for the production of cold. 2,138,688; Nov. 29.
Altenkirch, Edmund, Neuenhagen, near Berlin, Germany. Intermittent absorption refrigerating apparatus. 2,138,686; Nov. 29.
Altenkirch, Edmund, Neuenhagen, near Berlin, Germany. Gaining water out of the atmosphere. 2,138,689; Nov. 29.
Altenkirch, Edmund, Neuenhagen, near Berlin, Germany. Dehumidification of air. 2,138,690; Nov. 29.
Altenkirch, Edmund, Neuenhagen, near Berlin, Germany. Method and apparatus for conditioning air. 2,138,691; Nov. 29.
American Brake Shoe and Foundry Company, The. (See Prentice, Allan L., assignor.)
American Can Company. (See Taylor, Russell C., assignor.)
American Chicle Company. (See Ekert, E. E. and Richards, assignors.)
American Enka Corporation. (See Sunderland, Alfred E., assignor.)
American Floor Surfacing Machine Company, The. (See Kneisley, Richard F., assignor.)
American Locomotive Company. (See Hull, G. K., and Drake, assignors.)
American Lurgi Corporation. (See Kreissler, Otto, assignor.)
American Lurgi Corporation. (See Wolf, Hans, assignor.)
American Machine and Metals Inc. (See Holder, E. P., and Miller, assignors.)
American Stove Company. (See Pierce, Ambrose R., assignor.)
American Telephone and Telegraph Company. (See Drum, George F., assignor.)
American Telephone and Telegraph Company. (See McDavitt, Marcellus B., assignor.)
Anaconda Wire & Cable Company. (See Thompson, Harry E., assignor.)
Anaconda Wire & Cable Company. (See Whittaker, William A., assignor.)
Anderson, A. Nelson, et al. (See Preston, Gerald H., assignor.)
Anderson, Carl, Westfield, Mass. File rest. 2,138,395; Nov. 29.
Andrus, N. Llewellyn, and L. J. Ganyaw, assignors to Smith Welding Equipment Corporation, Minneapolis, Minn. Arc welder. 2,138,754; Nov. 29.
Angell, Thomas U., Honolulu, Hawaii, assignor to The Gregg Company, Ltd., New York, N. Y. Car structure. 2,138,130; Nov. 29.
Anglo American Mill Corporation. (See MacLellan, Angus D., assignor.)
Anklam, Charles W., assignor to C. M. Hall Lamp Company, Detroit, Mich. Lamp construction. 2,138,056; Nov. 29.
Armentrout, Arthur L., Santa Maria, and E. B. Hall, Los Angeles, assignors, by mesne assignments, to Security Engineering Co., Inc., Whittier, Calif. Method and apparatus for testing wells. 2,138,057; Nov. 29.
Art-O-Graphic Printing Company. (See Durup, Paul H., assignor.)
Aske, Irving E., Muskegon, assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon Heights, Mich. Cylinder head and combustion chamber for internal combustion engines. 2,138,131; Nov. 29.
Avery, True M., Glens Falls, assignor to Union Bag & Paper Corporation, Hudson Falls, N. Y. Roller mounting for printing presses. 2,138,779; Nov. 29.
Ayres, Arthur U., Chestnut Hill, assignor to The Sharples Specialty Company, Philadelphia, Pa. Centrifugal separator. 2,138,468; Nov. 29.
Ayres, Arthur U., Chestnut Hill, and A. T. Scott, Ardmore, assignors to The Sharples Specialty Company, Philadelphia, Pa. Centrifugal process. 2,138,467; Nov. 29.
B. V. D. Corporation, The. (See Oppenheim, Austin N., assignor.)
Babcock & Wilcox Company et al. (See Kernin, Alfred G., assignor.)
Bäckström, Sigurd M., Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., New York, N. Y. Refrigerator. 2,138,132; Nov. 29.
Badertscher, Darwin E. (See Reiff, O. M., and Badertscher.)
Bailey, Warren G., Evanston, assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Wax applier. 2,138,288; Nov. 29.
Baird, Edgar J., Soda Springs, Idaho. Protective lining for canals. 2,138,366; Nov. 29.
Bakelite Corporation. (See Schmidt, John H., assignor.)
Baker & Company. (See Colby, Edward A., assignor.)
Baldwin Company, The. (See Tower, Herschel E., assignor.)
Baldwin-Southwark Corporation. (See Haas, Walter D., assignor.)
Bantam Ball Bearing Company, The. (See Herrmann, Karl L., assignor.)
Barach, Alvan L., et al. (See Pilblad, Eric J., assignor.)
Barach, Alvan L., et al. (See Strange, Charles C., assignor.)
Barach, Edmund J., et al. (See Pilblad, Eric J., assignor.)
Barach, Edmund J., et al. (See Strange, Charles C., assignor.)
Barasch, Hans P., Kensington, London, England. Sealing electrical conductors into vitreous envelopes. 2,138,224; Nov. 29.
Barber, George M., Chicago, Ill. Combination footrest and cuspidor. 2,138,415; Nov. 29.
Barclay, John M., Brooklyn, and J. B. Forbes, Mount Vernon, assignors to Alco Products Incorporated, New York, N. Y. Heat exchanger. 2,138,469; Nov. 29.
Bare, Erwin L., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,138,084; Nov. 29.
Barnhart, Vern A., Jester Lake, Milton, N. J. Building unit. 2,138,015; Nov. 29.
Barrow, Max, Boston, Mass. Roller screen construction. 2,138,564; Nov. 29.
Barwood, Leon J., Cambridge, Mass. Lobster-claw lock. 2,138,651; Nov. 29.
Bascom, Henry M., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,138,565; Nov. 29.
Bassick Company, The. (See Sargent, Frank P., assignor.)
Bates, Sidney E. (See Overmier, E., Bates, and Rodman.)
Bauer, Charles A., Springfield, Mass., assignor to The Cardinal Corporation, Evansville, Ind. Ice tray. 2,138,058; Nov. 29.
Bayernwerk A.-G. (See Glasser, H., and Gröbl, assignors.)
Bayliss, Millward. (See Halvorson, H. O., Bayliss, and Wilson.)
Bechtold, Reuben E., assignor to Tokheim Oil Tank and Pump Company, Fort Wayne, Ind. Liquid dispensing apparatus. 2,138,755; Nov. 29.
Becker, Helmut, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany. Photographic camera. 2,138,059; Nov. 29.
Becket, Frederick M., New York, and R. Franks, Niagara Falls, N. Y., assignors to Electro Metallurgical Company. Chromium-manganese-nickel steel. 2,138,280; Nov. 29.
Becquet, Denise, Brussels, Belgium, assignor to Dr. Ing. Roberto Parrilli, Milan, Italy. Washing machine. 2,138,334; Nov. 29.
Bedford, Leslie H., Highbury Grove, London, assignor to A. C. Cossor Limited, London, England. Cathode ray oscillograph tube. 2,138,721; Nov. 29.

Beehler, Vernon D., Evanston, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Gas valve. 2,138,621; Nov. 29.
Beekhuis, Herman A., Jr., Petersburg, Va., assignor to The Solvay Process Company, New York, N. Y. Production of a nitrate and chlorine. 2,138,016; Nov. 29.
Beekhuis, Herman A., Jr., Petersburg, Va., assignor to The Solvay Process Company, New York, N. Y. Decomposition of nitrosyl chloride. 2,138,017; Nov. 29.
Beers, Royce L., Birmingham, assignor to Detroit Stoker Company, Monroe, Mich. Variable feed mechanism for stokers. 2,138,722; Nov. 29.
Bell, John A., Jackson, Mich. Combination portable pocket light and camera unit. 2,138,723; Nov. 29.
Bell Telephone Laboratories, Incorporated. (See Bascom, Henry M., assignor.)
Bell Telephone Laboratories, Incorporated. (See Dehmel, Richard C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Gray, Frank, assignor.)
Bell Telephone Laboratories, Incorporated. (See Kinkead, Fullerton S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Pruden, Harold M., assignor.)
Belle Isle, A. L. (See Hicks, James A., assignor.)
Bendeler, William E., Houston, Tex. Packing device for use in wells. 2,137,997; Nov. 29.
Bendix Aviation Corporation. (See Spengler, Walter J., assignor.)
Benedek, Elek K., Bucyrus, Ohio. Hydraulic positive drive pump or motor. 2,138,018; Nov. 29.
Benedict, Wayne L., assignor to Universal Oil Products Company, Chicago, Ill. Removing copper compounds from copper-sweetened hydrocarbon oil. 2,138,566; Nov. 29.
Benoit, Leon, New York, N. Y. Carton. 2,138,019; Nov. 29.
Bernat, Antoni, Tewksbury, Mass. Milk pail. 2,138,537; Nov. 29.
Betzler, Martin, Neuruppin, Brandenburg, Germany, assignor to Pyrene-Minimax Corporation, Newark, N. J. Apparatus and method for producing fire extinguishing foam. 2,138,133; Nov. 29.
Beverage, Harold H., Riverhead, P. S. Carter, Port Jefferson, and G. S. Wickizer, Riverhead, N. Y., assignors to Radio Corporation of America. Short wave signaling. 2,138,134; Nov. 29.
Biermanns, Josef, Berlin-Johannisthal, Germany, assignor to General Electric Company. Electric switching. 2,138,652; Nov. 29.
Bilbrey, Albert A., Salem, Oreg. Adhesive container stopper and brush. 2,138,319; Nov. 29.
Billings and Spencer Company, The. (See Geisel, Carl R., assignor.)
Billings & Spencer Company, The. (See Ward, Ferrari P., assignor.)
Bingham, Irwin F. (See Cromer, S., and Bingham.)
Binks Manufacturing Company. (See Gustafsson, Eric, assignor.)
Birdseye, Clarence, Gloucester, Mass., assignor to Birdseye Electric Company. Adjustable electric lamp. 2,138,780; Nov. 29.
Birdseye Electric Company. (See Birdseye, Clarence, assignor.)
Birtles, Arthur B., assignor to Wood-Mosaic Co., Incorporated, Louisville, Ky. Portable composite floor. 2,138,085; Nov. 29.
Bischof, Otto, Royal Oak, Mich. Molding apparatus. 2,138,470; Nov. 29.
Black, Wilbert C. (See Pedatella, Frank, assignor.)
Blackhawk Mfg. Co. (See Pfauser, Edward M., assignor.)
Blair, Gerhardt, Newfoundland, N. J., assignor of one-half to P. Heymann, New York, N. Y. Ironing device. 2,138,567; Nov. 29.
Blake Manufacturing Corporation. (See Officer, W. I., and Wood, assignors.)
Blaw-Knox Company. (See Harrington, Edward L., assignor.)
Bliss, E. W., Company. (See Patrick, Isaac, assignor.)
Blodjer, Olav, Stockton, Calif. Extension visor for ski caps. 2,138,086; Nov. 29.
Blum, Abraham. (See Greenfield, M., and Blum.)
Boardman, Whitlock, assignor to Ferguson Brothers Manufacturing Company, Hoboken, N. J. Upholstering furniture. 2,138,440; Nov. 29.
Boese, Albert B., Jr., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation. 4-methyl uracil and homologues thereof. 2,138,756; Nov. 29.
Bold, John W. (See Ryan, W. M., and Bold.)
Bolser, Clark M., Des Moines, Iowa. Flare assembly. 2,138,622; Nov. 29.
Bombard, Joseph A., Bronxville, N. Y. Window shade. 2,138,441; Nov. 29.
Bonanno, Joseph L., Forest Hills, assignor to The Lionel Corporation, New York, N. Y. Toy. 2,138,367; Nov. 29.
Boothby Fibre Can Company. (See Gazette, Marshall E., assignor.)
Borgfeldt, Frederic R., Middlebury, Ind., assignor, by mesne assignments, to Globe American Corporation, Macomb, Ill. Synchronous motor for electric clocks and the like. 2,138,442; Nov. 29.
Borkland, Carl R., Boston, Mass. Hat structure. 2,138,225; Nov. 29.
Boucher, Jacques, Boulogne-sur-Seine, assignor to Société Anonyme des Hauts Fourneaux et Fonderies de Pont-a-Mousson, Pont-a-Mousson, France. Pipe joint. 2,138,135; Nov. 29.
Bourdon, Pierre M., Paris, assignor to Michelin & Cie, Clermont-Ferrand, France. Axle suspension for vehicles. 2,138,136; Nov. 29.
Bowlby, Walter D., assignor to Hercules Powder Company, Wilmington, Del. Adhesive. 2,138,137; Nov. 29.
Bozalina, Henry F., Houston, Tex. Roofing. 2,138,320; Nov. 29.
Bracke, Robert F., Chicago, Ill. Carburetor. 2,138,020; Nov. 29.
Bracke, Robert F., Chicago, Ill. Carburetor. 2,138,590; Nov. 29.
Bracke, Robert F., Chicago, Ill. Carburetor. 2,138,591; Nov. 29.
Bracke, Robert F., Chicago, Ill. Carburetor. 2,138,592; Nov. 29.
Brackensey, Auguste H., assignor of one-half to The Franco-British Electrical Company Limited, London, England. Control of electric discharge tubes. 2,138,335; Nov. 29.
Bradley, Fred J. (See Willers, Carl J. W., assignor.)
Brandenberger, Jaques E., Bezons, France, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Artificial cellulosic tubular structure. 2,138,568; Nov. 29.
Brandtjen and Kluge, Inc. (See Kluge, Abel and E., assignors.)
Bratasianu, Constantin P., Craiova, Rumania. Special retort and apparatus for refining raw materials in solid, liquid, vapor, and gaseous form. 2,138,321; Nov. 29.
Braunsdorf, Otto. (See Eckert, W., and Braunsdorf.)
Breinlinger, Karl H. (See Weinlich, H. A., and Breinlinger.)
Breitenstein, Victor W., assignor to Illinois Testing Laboratories, Inc., Chicago, Ill. Thermal controlling device. 2,138,593; Nov. 29.
Brewer, Perley A., et al. (See Hilton, Everett S., assignor.)
Briant, Charles S., Cape May, N. J. Bilge drainer. 2,138,368; Nov. 29.
Briant, Charles S., Cape May, N. J. Bilge drainer. 2,138,369; Nov. 29.
Briggs Manufacturing Company. (See Platz, Henry T., assignor.)
British Radiostat Corporation. (See Robinson, James, assignor.)
Britton, Edgar C., G. H. Coleman, and R. P. Perkins, assignors to The Dow Chemical Company, Midland, Mich. Alkylated phenylphenols. 2,138,471; Nov. 29.
Britton, Harry C. (See Law, R. M., and Britton.)
Broeren, Frank L., Menasha, and S. N. Hope, Wauwatosa, assignors to Marathon Paper Mills Company, Rothschild, Wis. Dispenser. 2,138,692; Nov. 29.
Brofos, Einar A., London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 2,138,594; Nov. 29.
Bronander, Wilhelm B., Montclair, N. J. Driving mechanism. 2,137,998; Nov. 29.
Bronstein, Louis, Newark, assignor to New York Folding Box Co., Jersey City, N. J. Box and handle. 2,138,336; Nov. 29.
Brouhard, Edward J., Des Moines, Iowa. Drain cock wrench. 2,138,725; Nov. 29.
Brouse, William H. D., Toronto, Ontario, Canada, assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa. Liquid dispensing apparatus. 2,138,781; Nov. 29.
Brown, Cicero C., Houston, Tex. Well packer. 2,138,569; Nov. 29.
Brown Company. (See Richter, George A., assignor.)
Brown Company. (See Richter, G. A., and McMurtrie, assignors.)
Brown, William, assignor to McAdoo & Allen Welting Company, Quakertown, Pa. Goodyear welting and making same. 2,138,396; Nov. 29.
Brozek, Stanley, Dearborn, Mich. Building block and wall construction ventilated horizontally and vertically. 2,138,724; Nov. 29.
Bruckmoser, Ludwig. (See Steinlein, G., and Bruckmoser.)
Bruckner, Richard, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Transmitter circuit. 2,138,138; Nov. 29.
Brumback, Orville S., et al. (See Smith, David, C., assignor.)
Brunt & Company. (See Brunt, J. P., and Maston, assignors.)
Brunt, John P., Chicago, and E. E. Maston, Wilmette, assignors to Brunt & Company, Chicago, Ill. Thickness gauge. 2,138,290; Nov. 29.
Bryce, James W., Bloomfield, N. J., and G. F. Daly, Johnson City, assignors, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Accounting machine. 2,138,337; Nov. 29.
Brye, Carl S., Minnewaukan, N. Dak. Seed separator. 2,138,021; Nov. 29.
Buck, Clyde D., Fremont, Ind. Automatically operated gear shifting mechanism. 2,138,534; Nov. 29.

Buckeye Traction Ditcher Company, The. (See Miller, George E., assignor.)
Budd, Edward G., Manufacturing Company. (See Heitman, Charles E., Jr.)
Burchfield, Paul E., Yeadon, Pa., assignor to The Harshaw Chemical Company, Elyria, Ohio. Stabilization of drier compositions. 2,138,087; Nov. 29.
Burgin, Emile H., Elizabeth, N. J. Radio range beam projector. 2,138,595; Nov. 29.
Burke, James L. (See Koch, H., and Burke.)
Burkhardt, Conrad C. C., Philadelphia, Pa. Locomotive underframe buffer. 2,138,139; Nov. 29.
Butcher, William T., Ilford, assignor to Goodlass Wall & Lead Industries Limited, London, England. Alloying metals with lead. 2,138,729; Nov. 29.
Butler, Ernest L., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Splitting machine. 2,138,022; Nov. 29.
Buzzard, Robert W., Kensington, Md., and J. H. Wilson, Washington, D. C. Treating anodic coatings on magnesium and its alloys. 2,138,023; Nov. 29.
Byron Jackson Co. (See Hollander, Aladar, assignor.)
C. V. S. Manufacturing Company. (See Smith, George R., assignor.)
Caldwell, Frank W., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Making propeller blades. 2,138,370; Nov. 29.
Callaghan, Martin A., Burlingame, Calif. Steel partition construction. 2,138,291; Nov. 29.
Campbell, A. S., Co. (See Campbell, Alphonso S., assignor.)
Campbell, Alphonso S., Winchester, assignor to A. S. Campbell Co., Inc., East Boston, Mass. Vertical bumper. 2,138,782; Nov. 29.
Campbell, Donald J., Spring Lake Township, Ottawa County, assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon Heights, Mich. Foundry molding. 2,138,623; Nov. 29.
Campbell, Donald J., Spring Lake Township, Ottawa County, and C. W. Dake, Grand Haven, assignors to Campbell, Wyant & Cannon Foundry Company, Muskegon Heights, Mich. Mold for manufacture of brake drums. 2,138,624; Nov. 29.
Campbell, Wyant & Cannon Foundry Company. (See Aske, Irving E., assignor.)
Campbell, Wyant & Cannon Foundry Company. (See Campbell, Donald J., assignor.)
Campbell, Wyant & Cannon Foundry Company. (See Campbell, D. J., and Dake, assignors.)
Campbell, Wyant & Cannon Foundry Company. (See Dake, Charles W., assignor.)
Canada Paper Co. et al. (See Kernin, Alfred G., assignor.)
Canfield, Earl L. (See Doane, Leroy C., assignor.)
Cannity, Ernest, assignor to The James Hunter Machine Company, North Adams, Mass. Compression roll. 2,138,397; Nov. 29.
Capillon, Edward A., assignor to D. E. Makepeace Company, Attleboro, Mass. Solder filled wire. 2,138,088; Nov. 29.
Carbide and Carbon Chemicals Corporation. (See Boese, Albert B., Jr., assignor.)
Carbide and Carbon Chemicals Corporation. (See Langwell, H., Maddocks, and Short, assignors.)
Cardinal Corporation, The. (See Bauer, Charles A., assignor.)
Carlson, Edwin G., East Providence, assignor to Speidel Corporation, Providence, R. I. Bracelet structure. 2,138,570; Nov. 29.
Carter, Philip S. (See Beverage, H. H., Carter, and Wickizer.)
Cartwright, John M., Malaga, Calif. Girdling tool. 2,138,726; Nov. 29.
Carvalho, Leslie R. N., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Closure. 2,138,371; Nov. 29.
Casale, Aurelio, Genoa, Italy. Armature coil for dynamo-electric machines. 2,138,292; Nov. 29.
Casasco, A. & M., & Cia. (See Casasco, Mario, assignor.)
Casasco, Mario, Buenos Aires, Argentina, assignor to A. & M. Casasco & Cia. Apparatus for supporting paper reels. 2,138,338; Nov. 29.
Cavalero, John V., Bloomfield, N. J. Book. 2,138,443; Nov. 29.
Cawley, Aloysius J., Pittston, Pa. Scanning process. 2,138,089; Nov. 29.
Celanese Corporation of America. (See Dreyfus, C., and Schneider, assignors.)
Celanese Corporation of America. (See Dreyfus, C., and Whitehead, assignors.)
Celanese Corporation of America. (See Martin, Herbert E., assignor.)
Certain-Teed Products Corporation. (See MacNutt, Arthur D., assignor.)
Certain-Teed Products Corporation. (See Walton, Alfred B., assignor.)
Chalmers, John W., Deptford, London, assignor to Molins Machine Company, Limited, London, England. Wrapping machine. 2,138,728; Nov. 29.
Chatfield, Franklin, assignor to Munsingwear, Inc., Minneapolis, Minn. Men's undergarment. 2,138,481; Nov. 29.
Chauvière, Lucien E., Paris, assignor to Société Anonyme: Forge et Usinage de Métaux Légers (Hélices Métalliques Chauvière), Vitry-sur-Seine, France. Airscrew having a variable pitch. 2,138,339; Nov. 29.
Cheesman, Raymond J., Morgantown, W. Va. Altitude map. 2,138,024; Nov. 29.
Chemical Construction Corporation. (See Hechenbleikner, Ingenuin, assignor.)
Chemical Foundation, Incorporated. (See Hixson, A. W., and Miller, assignors.)
Chemidlin, Frederic J., Scotch Plains, N. J. Railroad trackage. 2,138,340; Nov. 29.
Chicago Flexible Shaft Company. (See Wright, Horace C., assignor.)
Chicago Telephone Supply Co. (See Schellenger, Newton C., assignor.)
Chong, Jue L., Isleton, Calif., assignor to Miller and Chong. Root chopping and dirt distributing implement. 2,138,472; Nov. 29.
Christenson, Olaf A., Albert City, Iowa. Trailer hitch. 2,138,267; Nov. 29.
Chryst, William A. (See Wise, A. G., Mapes, Chryst, and Fuchs.)
Clancy, Peter, Oakland, Calif. Selector device for valve manifolds. 2,138,802; Nov. 29.
Clare, Irwin C., assignor to Hercules Powder Company, Wilmington, Del. Coating compositions and producing. 2,138,140; Nov. 29.
Clark, Howard G., Jackson, and W. C. Sell, Ann Arbor, Mich.; said Sell assignor to said Clark. Snow plow. 2,138,783; Nov. 29.
Clark, Richard U., Wilmette, Ill. Electron discharge device. 2,138,444; Nov. 29.
Cleveland Shopping News Company, The. (See Hamlin, Walter E., assignor.)
Cochran, John A., et al. (See Preston, Gerald H., assignor.)
Cochrane Corporation. (See Rohlin, Victor A., assignor.)
Coffelt, Oscar T., Jackson, Mich., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company. Treatment of titanium ores. 2,138,090; Nov. 29.
Cogsdill, Stuart A., Detroit, Mich. Cutting tool. 2,138,727; Nov. 29.
Colby, Edward A., Maplewood, N. J., assignor to Baker & Company, Inc. Pertused metal sheet. 2,138,625; Nov. 29.
Coleman, Gerald H. (See Britton, E. C., Coleman, and Perkins.)
Collings, William R., and T. A. Kauppi, assignors to The Dow Chemical Company, Midland, Mich. Purification of cellulose ethers. 2,138,757; Nov. 29.
Comino, Demetrius, London, England. Gauge device. 2,138,293; Nov. 29.
Compagnie des Forges et Acieries de la Marine et d'Homecourt. (See Granat, Elie, assignor.)
Compo Shoe Machinery Corporation. (See Damon, Isaac F., assignor.)
Conklin, Laron R. (See Means, J. Z., Conklin, and Conway.)
Conner, Guy O., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Container and dispensing device therefor. 2,138,060; Nov. 29.
Connor, Kirke W., Detroit, Mich., assignor to Micromatic Hone Corporation. Machine for grinding and finishing cylinders. 2,138,535; Nov. 29.
Connors, Thomas. (See Curtis, David W., assignor.)
Continental Can Company. (See Kronquest, Alfred L., assignor.)
Continental Can Company. (See O'Neil, James H., assignor.)
Conway, John H. (See Means, J. Z., Conklin, and Conway.)
Cooley, Austin G., Rutherford, N. J., assignor to Wide World Photos, Inc., New York, N. Y. Electro-optical transmission method and apparatus. 2,138,398; Nov. 29.
Cooley, Austin G., Rutherford, N. J., and G. V. V. Dillenback, Jr., Slingerlands, assignors to Wide World Photos, Inc., New York, N. Y. Screw and nut mechanism. 2,138,784; Nov. 29.
Cooper, Frank A., Syracuse, assignor to L. D. Hokerk, Utica, N. Y. Revolving display stand. 2,138,730; Nov. 29.
Copen, S. Irving, Boston, Mass. Surgical device. 2,138,626; Nov. 29.
Corning Glass Works. (See Weber, W. C., and Wellech, assignors.)
Cortines, Jack S., Los Angeles, Calif. Heat transferring device. 2,138,091; Nov. 29.
Corwin, Harry R., & Company. (See Corwin, Harry R., assignor.)
Corwin, Harry R., assignor to Harry R. Corwin & Company, Inc., Palm Beach, Fla. Contractible removable inner metal cell form. 2,138,693; Nov. 29.
Cossor, A. C., Limited. (See Bedford, Leslie H., assignor.)
Cottrell, C. B., & Sons Company. (See Meyer, Joseph F., assignor.)
Cox, Thomas E., Birmingham, Ala. Concealed key receptacle for doors. 2,138,416; Nov. 29.
Craig, Palmer H., Bethlehem, Pa., assignor to Invex Corporation, New York, N. Y. Detector circuits. 2,138,731; Nov. 29.
Craig, Palmer H., Bethlehem, Pa., assignor to Invex Corporation. Electric regulator. 2,138,732; Nov. 29.

Crawford Austin Manufacturing Co. (See Tabb, Oscar C., assignor.)
Creamery Package Mfg. Company, The. (See Larsen, Olaf, assignor.)
Crecca, John D., and S. S. Scott, St. Albans, N. Y. Material for initiating a welding arc. 2,138,025; Nov. 29.
Cromer, Sylvan, and I. F. Bingham, Norman, Okla. Method and apparatus for testing materials. 2,138,141; Nov. 29.
Crompton & Knowles Loom Works. (See Turner, Richard G., assignor.)
Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Frequency or phase modulation receiver. 2,138,341; Nov. 29.
Crosley Radio Corporation, The. (See Money, Roland H., assignor.)
Crown Cork & Seal Company. (See Gavin, Frank J., assignor.)
Crown Cork & Seal Company. (See Warth, Albin H., assignor.)
Crumb, Charles F., and S. E. Hillblom, assignors to International Harvester Company. Mower. 2,138,536; Nov. 29.
Curtis, David W., assignor to T. Connors, St. Louis, Mo. Sealing cap for barrel bushing and screw plug assemblies. 2,137,999; Nov. 29.
Curtis, Harry B., et al., trustees. (See Robbins, Walter C., assignor.)
Daimler-Benz Aktiengesellschaft. (See Seyerle, Wilhelm, assignor.)
Daimler-Benz Aktiengesellschaft. (See Wagner, Max, assignor.)
Dain Manufacturing Company of Iowa. (See Jones, Frank D., assignor.)
Dake, Charles W. (See Campbell, D. J., and Dake.)
Dake, Charles W., Grand Haven, assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon, Mich. Brake drum machine. 2,138,268; Nov. 29.
Dales, Benton, Chadds Ford, Pa., and F. B. Downing, Carney's Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Aqueous dispersion of polymerized halogen-2-butadies-1,3 and preparing same. 2,138,226; Nov. 29.
Dallenbach, Walter, Berlin-Charlottenburg, and G. Leischner, Berlin-Schmochwitz, Germany, assignors to N. V. Machinerieen en Apparaten Fabrieken "Mea.", Utrechat, Netherlands. Arrangement for avoiding the disturbances attendant on the transformer potential in alternating current collector motors. 2,138,417; Nov. 29.
Daly, George F. (See Bryce, J. W., and Daly.)
Daly, George F., West Orange, N. J., assignor to International Business Machines Corporation, New York, N. Y. Printing mechanism. 2,138,627; Nov. 29.
D'Amico, Albert, Rome, Italy. Anticryptogamic composition. 2,138,733; Nov. 29.
Damon, Isaac F., Belmont, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y. Insole and making same. 2,138,227; Nov. 29.
Danner, Philip S. (See Shiffler, W. H., and Danner.)
Daugherty, Harry V., Simpson, Kans. Automatic hay hook. 2,138,694; Nov. 29.
Dautzenberg, Paul, Aachen, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Photographic printing apparatus. 2,138,445; Nov. 29.
Davidson, John T., assignor to The National Cash Register Company, Dayton, Ohio. Accounting machine. 2,138,482; Nov. 29.
Davis, Augustine, Jr., Cincinnati, Ohio. Vehicle body. 2,138,399; Nov. 29.
Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Checking mechanism. 2,138,372; Nov. 29.
Decometal Incorporated. (See Shoemaker, William, assignor.)
Dehmel, Richard C., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Insulator. 2,138,571; Nov. 29.
De Long, Herbert. (See Nelson, C. E., and De Long.)
Deming, George M., East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Apparatus for cutting metals with liquid oxygen. 2,138,400; Nov. 29.
Dempsey, James B., Topeka, Kans., assignor to the Government of the United States, as represented by the Secretary of Commerce. Wire bending and securing device. 2,138,026; Nov. 29.
Deren, Pincus. (See Fink, C. G., and Deren.)
Detroit Stoker Company. (See Beers, Royce L., assignor.)
Diamant-Eerde, Hans. (See Fournes, E., and Diamant-Eerde.)
Dickenson, Ernest H., New York, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Implement retainer. 2,138,342; Nov. 29.
Diedrich, Paul, Finkenkrug, assignor to Shering-Kahlbaum A. G., Berlin, Germany. Hydroxy-ethoxy derivatives of 2-phenyl-quinoline-4-carboxylic acid and making same. 2,138,628; Nov. 29.
Dietrich, Paul, assignor to Maschinenfabrik Augsberg-Nürnberg A. G., Augsberg, Germany. Pressure adjusting device. 2,138,142; Nov. 29.
Dillenback, Garrett V. V., Jr. (See Cooley, A. G., and Dillenback.)
Doane, Leroy C., Meriden, Conn., assignor to E. L. Canfield, Hillside, N. J. Luminair. 2,138,373; Nov. 29.
Dodge, Adiel Y., South Bend, Ind. Air conditioning system. 2,138,143; Nov. 29.
Dodge, Adiel Y., South Bend, Ind., assignor to The Lubrication Corporation, Chicago, Ill. Machine for assembling packing on pistons and the like. 2,138,144; Nov. 29.
Dodge Manufacturing Corporation. (See Kindig, Arnie J., assignor.)
Doell, Theodore W. (See Hampton, W. H., and Doell.)
Dolan & Bullock. (See Gaynor, Charles E., assignor.)
Doll, John L., and C. W. Rogers, assignors to Syncro Devices, Incorporated, Detroit, Mich. Internal combustion engine. 2,138,027; Nov. 29.
Dome, Robert B., Bridgeport, Conn., assignor to General Electric Company. High efficiency modulating and amplifying system. 2,138,653; Nov. 29.
Dooley, Clarence H., et al. (See Dooley, Delmar D., assignor.)
Dooley, Delmar D., Rock Island, Ill., assignor of one-fourth to C. H. Dooley, Rock Island, one-fourth to H. K. Dooley, Los Angeles, Calif., and one-fourth to H. C. Snow, Auburn, Ind. Transmission. 2,138,028; Nov. 29.
Dooley, H. Keith, et al. (See Dooley, Delmar D., assignor.)
Doran, John H., Scotia, N. Y., assignor to General Electric Company. Pressure equalizing arrangement for reciprocating pumps. 2,138,654; Nov. 29.
Dorn, Frederick W., administrator. (See Dorn, Harry P.)
Dorn, Harry P., deceased, Cleveland, Ohio; F. W. Dorn, administrator. Luminous display. 2,138,803; Nov. 29.
Doty, Charles R. (See Lemmon, W. S., Doty, Walz, and Holt.)
Douglas, Harry A., Bronson, Mich. Golf club. 2,138,294; Nov. 29.
Douglas, Harry A., Bronson, Mich. Smoking pipe. 2,138,322; Nov. 29.
Douredoure, Bernard, Bala-Cynwyd, Pa. Valve. 2,138,446; Nov. 29.
Dow Chemical Company, The. (See Britton, E. C., Coleman, and Perkins, assignors.)
Dow Chemical Company, The. (See Collings, W. R., and Kauppi, assignors.)
Dow Chemical Company, The. (See Nelson, C. E., and De Long, assignors.)
Downing, Frederick B. (See Dales, B., and Downing.)
Drake, Benjamin H., Stockton, Calif. Transportation chair. 2,138,260; Nov. 29.
Drake, Ralph L. (See Hull, G. K., and Drake.)
Dresden-Leipziger Schnellpressen-Fabrik-A. G. (See Lang, Karl T., assignor.)
Dreyfus, Camille, New York, N. Y., and G. Schneider, Montclair, N. J., assignors to Celanese Corporation of America. Preparation of organic derivatives of cellulose. 2,138,145; Nov. 29.
Dreyfus, Camille, New York, N. Y., and W. Whitehead, Cumberland, Md., assignors to Celanese Corporation of America. Esters of cellulose and their preparation. 2,138,146; Nov. 29.
Drum, George F., Millburn, N. J., assignor to American Telephone and Telegraph Company. Time of day announcing system. 2,138,147; Nov. 29.
Duncan, Ed W., Blue Diamond, Ky. Drop bottom car. 2,138,695; Nov. 29.
Dunlop Tire and Rubber Corporation. (See McChesney, C. S., and Lukacz, assignors.)
Du Pont, E. I., de Nemours & Company. (See Brandenberger, Jaques E., assignor.)
Du Pont, E. I., de Nemours and Company. (See Coffelt, Oscar T., assignor.)
Du Pont, E. I., de Nemours & Company. (See Dales, B., and Downing, assignors.)
Du Pont, E. I., de Nemours & Company. (See Etzelmiller, Robert E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Fluharty, James W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Graves, George D., assignor.)
Du Pont, E. I., de Nemours & Company. (See Harmon, Jesse, assignor.)
Du Pont, E. I., de Nemours & Company. (See Hershberger, Albert, assignor.)
Du Pont, E. I., de Nemours & Company. (See Hinze, Albert, assignor.)
Du Pont, E. I., de Nemours & Company. (See Johnson, Norman G., assignor.)
Du Pont, E. I., de Nemours & Company. (See Kirst, William E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Knapp, Paul, assignor.)
Du Pont, E. I., de Nemours & Company. (See Marvel, Carl S., assignor.)
Du Pont, E. I., de Nemours & Company. (See Patterson, Gordon D., assignor.)
Du Pont, E. I., de Nemours & Company. (See Rigby, George W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Tanner, Walton B., assignor.)
Durup, Paul H., Wollaston, assignor to Art-O-Graphic Printing Company, Inc., Boston, Mass. Feeding mechanism for offset printing machines. 2,138,343; Nov. 29.

Dussek, Albert E. H., Bromley, England. Composite surfacing material. 2,138,734; Nov. 29.
Eastern Manufacturing Company. (See Lee, George P., assignor.)
Eastman, Du Bois, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Manufacture of carbon dioxide ice. 2,138,758; Nov. 29.
Eaton Manufacturing Company. (See Phillipps, Goddie F., assignor.)
Eckert, William F., Ridley Park, Pa. Gear shift. 2,138,148; Nov. 29.
Eckert, Wilhelm, and O. Braunsdorf, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyestuffs of the anthracene series and preparing them. 2,138,759; Nov. 29.
Economics Laboratory Inc. (See Halvorson, H. O., Bayliss, and Wilson, assignors.)
Economics Laboratory Inc. (See Halvorson, H. O., and Wilson, and Ordal, assignors.)
Eddy Paper Corporation, The. (See Means, J. Z., Conklin, and Conway, assignors.)
Edeleanu Gesellschaft, m. b. H. (See Saegebarth, Erich, assignor.)
Edeleanu Gesellschaft, m. b. H. (See Terres, E., Moos, and Saegebarth, assignors.)
Edison, Thomas A., Incorporated. (See Langley, Sam G., assignor.)
Edmondson, William H., Oak Park, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electric motor. 2,138,483; Nov. 29.
Edwards, O. M., Company, Inc., The. (See Edwards, Oliver M., assignor.)
Edwards, Oliver M., assignor to The O. M. Edwards Company Inc., Syracuse, N. Y. Window construction. 2,138,374; Nov. 29.
Efromson, Philip C. (See Howard, J. H., and Efromson.)
Ehlers, Carl H., Penfield, Pa., assignor to A. W. Wheaton Brass Works, Inc., Newark, N. J. Ingress and egress vent valve. 2,138,000; Nov. 29.
Ekert, Edward E., Rego Park, and G. R. Richards, Manhasset, assignors to American Chicle Company, Long Island City, N. Y. Drying and/or coating apparatus. 2,138,297; Nov. 29.
Electro Manufacturing Co. (See Nemeroff, Victor, assignor.)
Electro Metallurgical Company. (See Becket, F. M., and Franks, assignors.)
Elliot, Charles, Diablo, Calif. Razor blade sharpening method and means. 2,138,520; Nov. 29.
Elliott Company. (See Keebler, Paul T., assignor.)
Ellis, Charles A., Natick, assignor of fifty-one one-hundredths to C. E. Marshall, Hopkinton, Mass. Door operating device. 2,138,521; Nov. 29.
Ellis, Horace R., Meadville, Pa. Attaching device. 2,138,735; Nov. 29.
Enterprise Manufacturing Company of Pennsylvania, The. (See Rabl, Hans E. A., assignor.)
Enterprise Manufacturing Company of Pennsylvania, The. (See Rable, Hans E. A., assignor.)
Erbe, Ralph R., Fort Wayne, Ind., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Switch device. 2,138,629; Nov. 29.
Erichsen, Ruth J., East Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electron discharge device. 2,138,228; Nov. 29.
Etzelmiller, Robert E., South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyeing and printing compositions. 2,138,572; Nov. 29.
Eustis, Irving N., assignor to Fairmont Railway Motors, Inc., Fairmont, Minn. Mounting mechanism for vehicle bodies. 2,138,484; Nov. 29.
Evans, Charles E., Council Bluffs, Iowa. Animal trap. 2,138,092; Nov. 29.
Evans, Powell, Haverford, assignor to Merchant & Evans Company, Philadelphia, Pa. Fire control apparatus. 2,138,149; Nov. 29.
Excel Auto Radiator Company. (See Sperry, Philmore F., assignor.)
Fagan, John P., assignor to Interlake Iron Corporation, Chicago, Ill. Road surface and paving blocks for forming such surface. 2,138,270; Nov. 29.
Fagan, Lewis E., Chicago, and A. B. Mojonnier, Park Ridge, Ill., assignors to Mojonnier Bros. Co. Bottle capping machine. 2,138,271; Nov. 29.
Fahrne, Peter J., Rochester, N. Y. Egg container. 2,138,418; Nov. 29.
Fair, James M., Pittsburgh, Pa. Rail anchor. 2,138,447; Nov. 29.
Fairbanks, Morse & Co. (See Gebert, Sever C., assignor.)
Fairmont Railway Motors, Inc. (See Eustis, Irving N., assignor.)
Falls Steel Tube & Manufacturing Company. (See Holmes, Earl K., assignor.)
Farles, Robert, St. Davids, Pa. Truck. 2,138,485; Nov. 29.
Fasshacht, Karl, Cranston, assignor to Speidel Corporation, Providence, R. I. Jewelry structure. 2,138,596; Nov. 29.
Faultless Manufacturing Company, The. (See Joyce, Lyndon W., assignor.)
Feher, Frank R., Passaic, N. J. Bowling card game. 2,138,272; Nov. 29.
Feldbush, Harry A., Short Hills, N. J., and G. Steven, Buffalo, assignors to Worthington Pump and Machinery Corporation, New York, N. Y. Compressor. 2,138,093; Nov. 29.
Fenwicke, Leslie C., London, England. Process and compound for coloring the surfaces of metal articles. 2,138,295; Nov. 29.
Ferguson Brothers Manufacturing Company. (See Boardman, Whitlock, assignor.)
Fidelity Machine Company. (See Sherlin, E. C., and Larkin, assignors.)
Figge, Wilhelm, assignor to Rheinmetall-Borsig Aktiengesellschaft, Dusseldorf, Germany. Portaging guns. 2,138,229; Nov. 29.
Filer & Stowell Co., The. (See Read, Everett C., assignor.)
Fink, Colin G., and P. Deren, New York, N. Y., assignors to Vereinigte Chemische Fabrieken zu Leopoldshall, Aschersleben, Germany. Electroplating. 2,138,573; Nov. 29.
Fins, Garvie, Lynch, Ky. Power churn. 2,138,296; Nov. 29.
Fiske, Augustus H., Warren, assignor to Rumford Chemical Works, Rumford, R. I. Baking powder. 2,138,029; Nov. 29.
Fleckenstein, George A., Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 2,138,760; Nov. 29.
Flemming, Charles F., assignor to Roth Rubber Company, Cicero, Ill. Producing a rubber article. 2,138,761; Nov. 29.
Flint, Clarence H., Westport, assignor to Peter Paul, Inc., Naugatuck, Conn. Chewing gum. 2,138,804; Nov. 29.
Fluharty, James W., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Destructible drum opener. 2,138,538; Nov. 29.
Fluor Corporation, The. (See Fluor, John S., Jr., assignor.)
Fluor, John S., Jr., Santa Ana, assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Engine and exhaust pipe cooling system. 2,138,001; Nov. 29.
Flynn, John B., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Combined window operator and lock. 2,138,539; Nov. 29.
Flynn, Theodore P., and R. E. Nells, Portland, Oreg., dedicated to the free use of the People of the United States. Cutting edge bit for grading equipment. 2,138,150; Nov. 29.
Fontana, Sylvester L., St. Louis, Mo. Nut-cracking machine. 2,138,473; Nov. 29.
Forbes, James B. (See Barclay, J. M., and Forbes.)
Force, William A., III. (See Muller, William F., assignor.)
Ford, Jared H., assignor to Kilgore Development Corporation, Washington, D. C. Butyl esters of alpha, alpha-dimethyl-alpha'-carboxydihydro-gama-pyrone and to making the same. 2,138,540; Nov. 29.
Fournes, Ernst, and H. Diamant-Eerde, Vienna, Austria. Photographic developer. 2,138,486; Nov. 29.
Fraim, Freeman W. (See Little, R., and Fraim.)
Francis, Louis, Miami, Fla. Calking unit. 2,138,606; Nov. 29.
Franco-British Electrical Company Limited, The. (See Brackensey, Auguste H., assignor.)
Franklin Rayon Corporation. (See Little, R., and Fraim, assignors.)
Franklin Steel Works. (See Long, George, assignor.)
Franks, Russell. (See Becket, F., and Franks.)
Freund, Herman R., assignor to Intertype Corporation, Brooklyn, N. Y. Distributor signal for typographical machines. 2,138,785; Nov. 29.
Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Converting hydrocarbons. 2,138,541; Nov. 29.
Friedinger, Albert, Furstenfeldbruck, Germany. Sheet metal container. 2,138,061; Nov. 29.
Friedman, Sigmond, New York, N. Y. Wearing apparel. 2,138,230; Nov. 29.
Frizzelle, Jasper B. (See Willis, Elijah J., assignor.)
Fromm, Otto W., Frankfort-on-the-Main, Germany, assignor to United Shoe Machinery Corporation, Paterson, N. J. Smoothing roll. 2,138,094; Nov. 29.
Fuchs, Henry O. (See Wise, A. G., Mapes, Chryst, and Fuchs.)
Funk, Truman B., assignor to "Yard-Man", Inc., Jackson, Mich. Lawn mower construction. 2,138,786; Nov. 29.
Funston, Frederick D. (See Rossman, E. F., and Funston.)
Fyler, George W., Schenectady, N. Y., assignor to General Electric Company. Receiving system. 2,138,655; Nov. 29.
Gaarder, Herbert M., Chicago, Ill., assignor to Wilson & Company. Filter pad. 2,138,736; Nov. 29.
Gaba, Achille E., Paris, France. Adjustable pitch propeller. 2,138,487; Nov. 29.
Gaess, Albert H., Waterbury, Conn. Apparatus for forming metal slugs. 2,138,488; Nov. 29.
Gagnier, George E. (See Place, Bion C., assignor.)

Gallagher, James A., Brooklyn, N. Y. Reverse and variable pitch propeller. 2,138,574; Nov. 29.

Galyon, John W., Springfield, Ill., assignor to International Business Machines Corporation, New York, N. Y. Tabulating machine. 2,138,630; Nov. 29.

Ganyaw, Leo J. (See Andrus, A. L., and Ganyaw.)

Gardella, Albert B., Cleveland, assignor of one-half to G. C. Guckes, Lakewood, Ohio. Cord take-up device for lamps and the like. 2,138,631; Nov. 29.

Gardner, Thomas E. (See Parkinson, E. H., Gardner, and Vint.)

Gautier, Trevor R., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H. Adhesive strip serving apparatus. 2,138,474; Nov. 29.

Gavin, Frank J., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Container closure and facing material therefor. 2,138,419; Nov. 29.

Gay, Frank W., et al. (See Nelson, Emil A., assignor.)

Gaynor, Charles E., Pawtucket, assignor, by mesne assignments, to Dolan & Bullock, Providence, R. I. Tie holder construction. 2,138,575; Nov. 29.

Gazette, Marshall E., assignor to Boothby Fibre Can Company, Boston, Mass. Container made of paper. 2,138,401; Nov. 29.

Gebert, Sever C., assignor to Fairbanks, Morse & Co., Chicago, Ill. Conveyer feed screw. 2,138,576; Nov. 29.

Gebhardt, Charles G. (See Gebhardt, Charles W., assignor.)

Gebhardt, Charles W., Kent, Ohio, assignor to C. G. Gebhardt, San Francisco, Calif. Electric transmission. 2,138,231; Nov. 29.

Geisel, Carl R., Windsor, Conn., assignor to The Billings and Spencer Company. Wrench. 2,138,332; Nov. 29.

General Aniline Works, Inc. (See Eckert, W., and Braunsdorf, assignors.)

General Aniline Works, Inc. (See Koeberle, K., and Steigerwald, assignors.)

General Aniline Works, Inc. (See Münz, F., Keller, and Trösken, assignors.)

General Aniline Works, Inc. (See Muth, Friedrich W., assignor.)

General Electric Company. (See Biermanns, Josef, assignor.)

General Electric Company. (See Dome, Robert B., assignor.)

General Electric Company. (See Doran, John H., assignor.)

General Electric Company. (See Fyler, George W., assignor.)

General Electric Company. (See Gouldthorpe, Hubert W., assignor.)

General Electric Company. (See Hongo, Tatsuo, assignor.)

General Electric Company. (See Maxwell, Howard, assignor.)

General Electric Company. (See Stewart, Clyde E., assignor.)

General Electric Company. (See White, Frank F., assignor.)

General Motors Corporation. (See Geyer, Harvey D., assignor.)

General Motors Corporation. (See Harris, Bert C., assignor.)

General Motors Corporation. (See Hunt, George, assignor.)

General Motors Corporation. (See Hunt, G., and Wolfram, assignors.)

General Motors Corporation. (See Mann, Cecil A., assignor.)

General Motors Corporation. (See Rasmussen, O., and Hause, assignors.)

General Motors Corporation. (See Rasmussen, O., and Rike, assignors.)

General Motors Corporation. (See Rossman, E. F., and Funston, assignors.)

General Motors Corporation. (See Wise, A. G., Mapes, Chryst, and Fuchs, assignors.)

General Motors Corporation. (See Wolfram, William S., assignor.)

General Steel Castings Corporation. (See Hallquist, Einar G., assignor.)

Gerwe, Raymond D., Cincinnati, Ohio. Egg product and producing same. 2,138,737; Nov. 29.

Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Holding chamber for pasteurizing system. 2,138,402; Nov. 29.

Geyer, Harvey D., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Ejecting device for freezing trays. 2,138,697; Nov. 29.

Geyger, Wilhelm, Berlin-Schmargendorf, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. System for measuring alternating current quantities. 2,138,344; Nov. 29.

Giannini, Louis L., San Jose, Calif. Bottle vending machine. 2,138,232; Nov. 29.

Gilkey, William E., Anacortes, Wash. Rafting dog. 2,138,489; Nov. 29.

Giovannoli, Harry, executor. (See Giovannoli, Robert K.)

Giovannoli, Robert K., deceased, by H. Giovannoli, executor, Lexington, Ky. Actuating an airplane retractable landing gear. 2,138,030; Nov. 29.

Gits, Remi J. (See Miller, Royal R., assignor.)

Glasser, Heinrich, Munich, and J. Gröbl, Solln, near Munich, assignors to Bayernwerk A.-G., Munich, Germany. Electrical overhead cable. 2,138,420; Nov. 29.

Globe American Corporation. (See Borgfeldt, Frederic R., assignor.)

Globe Oil Tools Company. (See Howard, J. H., and Efromson, assignors.)

Going, George G., Utica, assignor to Remington Rand, Inc., Buffalo, N. Y. Typewriting and like machine. 2,138,151; Nov. 29.

Gold, David S., Brooklyn, N. Y. Chalk sharpening machine. 2,138,597; Nov. 29.

Goldberg, Isidore, Brooklyn, N. Y. Buckle. 2,138,542; Nov. 29.

Goldsmith, Alfred N., New York, N. Y., assignor to Radio Corporation of America. Automobile radio and communication system. 2,138,598; Nov. 29.

Gooch, Phelps E., et al. (See Sievers, Albert J., Jr., assignor.)

Good, Fred, & Sons. (See Redcay, Frederick A., assignor.)

Goodlass Wall & Lead Industries Limited. (See Butcher, William T., assignor.)

Goodrick, Perry C., Fond du Lac, Wis. Baseball base. 2,138,273; Nov. 29.

Gordon, Robert H., Detroit, Mich. Conveyer mechanism. 2,138,095; Nov. 29.

Gothe, Albrecht, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Directional landing beam transmitter. 2,138,448; Nov. 29.

Gottschalk, Annie, executrix. (See Gottschalk, J. W., and Grater.)

Gottschalk, John W., deceased, by A. Gottschalk, executrix; and S. W. Grater; assignors to John W. Gottschalk Mfg. Company, Philadelphia, Pa. Making resilient metallic bunches. 2,138,787; Nov. 29.

Gottschalk, John W., Mfg. Company. (See Gottschalk, J. W., and Grater.)

Gouldbourn, Joseph, and T. A. Kestell, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Driving and stopping mechanism. 2,138,403; Nov. 29.

Gouldthorpe, Hubert W., Wesleyville, Pa., assignor to General Electric Company. Power unit. 2,138,656; Nov. 29.

Government of the United States, as represented by the Secretary of Commerce. (See Dempsey, James B., assignor.)

Graham, Maurice H., St. Louis Park, Minn., assignor to McGraw Electric Company, Chicago, Ill. Automatic toaster. 2,138,674; Nov. 29.

Granat, Elie, assignor of one-half to Compagnie des Forges et Aciéries de la Marine et d'Homecourt, Paris, France. Distant electric control system. 2,138,421; Nov. 29.

Grant, John, Los Angeles, Calif. Well cleaning system. 2,138,375; Nov. 29.

Grappe, Marcellin L., Columbia Heights, Fair Lawn, N. J. Punch and shearing machine. 2,138,543; Nov. 29.

Grater, Sylvester W. (See Gottschalk, J. W., and Grater.)

Grau, George D., Jr., Tullahoma, Tenn., assignor to The Lannom Manufacturing Company, Grinnell, Iowa. Making a play ball slug. 2,138,004; Nov. 29.

Graves, George D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Amino alcohol acrylates. 2,138,031; Nov. 29.

Graves, George D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Amino alcohol esters of the alpha substituted acrylic acids. 2,138,763; Nov. 29.

Gray, Frank, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electro-optical transmission. 2,138,577; Nov. 29.

Gray, Newenham A., Narberth, Pa. High speed beater. 2,138,632; Nov. 29.

Greenfield, Max, Coney Island, Brooklyn, and A. Blum, Bronx, N. Y. Hemming attachment for sewing machines. 2,138,633; Nov. 29.

Greenfield, Robert E., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Separation of solids from liquids. 2,138,274; Nov. 29.

Gregg Company, The. (See Angell, Thomas U., assignor.)

Greist Manufacturing Company, The. (See Hinman, George L., assignor.)

Grisdale, George W., assignor to Republic Flow Meters Company, Chicago, Ill. Differential draft gauge. 2,138,152; Nov. 29.

Grisdale, George W., assignor to Republic Flow Meters Company, Chicago, Ill. Gas-purifying device. 2,138,153; Nov. 29.

Griswold, Hugh T., San Francisco, Calif., assignor to Owens-Illinois Pacific Coast Company. Closure. 2,138,376; Nov. 29.

Gröbl, Josef. (See Glasser, H., and Gröbl.)

Groene, William F., and W. R. Meyer, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Four-spindle drum type crankshaft lathe. 2,138,522; Nov. 29.

Grothey, Ivan W., Laconia, N. H., assignor to Scott & Williams, Incorporated, New York, N. Y. Pattern drum control means. 2,138,738; Nov. 29.

Gruebel, Peter J., Glendale, Long Island, N. Y. Adjustable yarn winder. 2,138,299; Nov. 29.

Grunwald, Albert C., River Forest, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah. Towel dispensing apparatus. 2,138,154; Nov. 29.

Guckes, George C. (See Gardella, Albert B., assignor.)

Guila, Alexander, Beaver, Pa. Poultry fountain cage. 2,138,544; Nov. 29.

Gullett Gin Company. (See Wallace, Jeffrey J., assignor.)

Gustafsson, Eric, assignor to Binks Manufacturing Company, Chicago, Ill. Air nozzle for flat-spraying appliances. 2,138,300; Nov. 29.

Gwyn, Childress B., Jr., Bannockburn, Ill., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Contact element. 2,138,599; Nov. 29.

Haas, Walter D., Philadelphia, Pa., assignor to Baldwin-Southwark Corporation. Inserting and holding closure plugs. 2,138,404; Nov. 29.

Haberstump, Alfred H., Detroit, Mich., assignor to The Murray Corporation of America. Vehicle body construction having concealed door hinges. 2,138,523; Nov. 29.

Hale, Marion G., Mineral Wells, Tex. Tent pole. 2,138,033; Nov. 29.

Hall, C. M., Lamp Company. (See Anklam, Charles W., assignor.)

Hall, C. M., Lamp Company. (See Taylor, A. N., and Worden, assignors.)

Hall, C. M., Lamp Company. (See Worden, Norbert P., assignor.)

Hall, C. M., Lamp Company. (See Worden, N. P., and Pedersen, assignors.)

Hall, Elwin B. (See Armentrout, A. L., and Hall.)

Hall, Jesse E., Bakersfield, Calif. Well pump. 2,138,002; Nov. 29.

Hall, William H., Jr., assignor to Thermoid Company, Trenton, N. J. Warp feeding and tensioning means. 2,138,155; Nov. 29.

Haller, Cyrus W., Marblehead, Mass. Rotary internal combustion engine. 2,138,490; Nov. 29.

Halliburton, Erle P., Los Angeles, Calif., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla. Packer. 2,138,156; Nov. 29.

Halliburton, Erle P., Los Angeles, Calif., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla. Removable packer for wells. 2,138,157; Nov. 29.

Halliburton Oil Well Cementing Company. (See Halliburton, Erle P., assignor.)

Hallquist, Einar G., Wallingford, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck structure. 2,138,449; Nov. 29.

Hallquist, Einar G., Wallingford, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Railway pilot structure. 2,138,450; Nov. 29.

Halpin, Thomas E., Washington, D. C. Indicating instrument for navigation. 2,138,422; Nov. 29.

Halvorson, Halvor O., St. Paul, M. Bayliss, Minneapolis, and J. L. Wilson, assignors to Economics Laboratory Inc., St. Paul, Minn. Germicidal detergent. 2,138,805; Nov. 29.

Halvorson, Halvor O., and J. L. Wilson, St. Paul, and E. J. Ordal, Minneapolis, Minn., assignors to Economics Laboratory Inc., St. Paul, Minn. Germicidal detergent. 2,138,806; Nov. 29.

Hamilton, John H., Sioux City, Iowa. Safe dial. 2,138,003; Nov. 29.

Hamlett, Robert T., assignor to The Western Union Telegraph Company, New York, N. Y. Shunt balancing network for telegraph circuits. 2,138,675; Nov. 29.

Hamlin, Walter E., assignor to The Cleveland Shopping News Company, Cleveland, Ohio. Multiple impression printing means. 2,138,096; Nov. 29.

Hamlin, Walter E., assignor to The Cleveland Shopping News Company, Cleveland, Ohio. Elevating platform. 2,138,377; Nov. 29.

Hampton, George E. (See Potdevin, A., and Hampton.)

Hampton, William H., and T. W. Doell, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Sealing composition for waterless gas holders. 2,138,158; Nov. 29.

Handy & Harman. (See Leach, Robert H., assignor.)

Hanks, Frederick W., Cleveland, Ohio. Frangible bolt-holding construction. 2,138,159; Nov. 29.

Hansel, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Oscillatory circuit. 2,138,161; Nov. 29.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Thermionic tube and circuits. 2,138,162; Nov. 29.

Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Automotive electrical system. 2,138,160; Nov. 29.

Harkins, James J., Wheeling, W. Va. Educational game. 2,138,524; Nov. 29.

Harley, Stanley J., Stivichall, Coventry, England. Producing and/or finishing screw threads by grinding. 2,138,739; Nov. 29.

Harmon Color Works, Inc. (See Vesce, Vincent, assignor.)

Harmon, Jesse, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerizing methacrylic esters of amino alcohols, in which the amino group is tertiary, and product. 2,138,762; Nov. 29.

Harmon, Lloyd J., New York, N. Y., assignor to Outboard, Marine & Manufacturing Company, Wilmington, Del. Outboard motor bracket. 2,138,600; Nov. 29.

Harriman, Charles E., West Bridgewater, assignor to Jones & Vining, Inc., Brockton, Mass. Combined shoe-tree and shoehorn. 2,138,789; Nov. 29.

Harrington, Edward L., assignor to Blaw-Knox Company, Pittsburgh, Pa. Road rail stake pocket. 2,138,634; Nov. 29.

Harris, Bert C., Lansing, assignor to General Motors Corporation, Detroit, Mich. Steering wheel instrument panel. 2,138,163; Nov. 29.

Harshaw Chemical Company, The. (See Burchfield, Paul E., assignor.)

Hart, Frank W., Buffalo, and B. T. McGary, Tonawanda, assignors to Remington Rand Inc., Buffalo, N. Y. Making folders. 2,138,788; Nov. 29.

Hause, Gilbert K. (See Rasmussen, O., and Hause.)

Hauton, Paul S., Atlanta, Ga. Mechanical pencil. 2,138,233; Nov. 29.

Haven, Charles D., assignor to Thermopane Company, Toledo, Ohio. Process and apparatus for producing glazing units. 2,138,164; Nov. 29.

Heaston, John W., Huntington Beach, Calif. Crankpin. 2,138,698; Nov. 29.

Hechenbleikner, Ingenuin, Charlotte, N. C., assignor to Chemical Construction Corporation, New York, N. Y. Method of and apparatus for absorbing oxides of nitrogen under pressure. 2,138,165; Nov. 29.

Heinrich, Konrad, assignor to Allen-Bradley Company, Milwaukee, Wis. Apparatus for effecting simultaneous functioning of a plurality of alternating current electromagnets. 2,138,275; Nov. 29.

Heitman, Charles E., Jr., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Spot weld recorder. 2,138,790; Nov. 29.

Henney Motor Company. (See Schofield, Earl L., assignor.)

Henry, Beulah L., New York, N. Y. Feeding and aligning device. 2,138,491; Nov. 29.

Henry, Pierre, Geneva, assignor to Mefina S. A., Binningen, Switzerland. Projectile fuse. 2,138,234; Nov. 29.

Hercules Powder Company. (See Bowlby, Walter D., assignor.)

Hercules Powder Company. (See Clare, Irwin C., assignor.)

Hercules Powder Company. (See Littmann, Edwin R., assignor.)

Hercules Powder Company. (See Ott, Emil, assignor.)

Hercules Powder Company. (See Peterson, Ernest G., assignor.)

Hercules Powder Company. (See Schnorf, Paul, assignor.)

Herrmann, Karl L., assignor to The Bantam Ball Company, South Bend, Ind. Roller aligner. 2,138,601; Nov. 29.

Hershberger, Albert, Buffalo, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Method and apparatus for the production of cellulosic structures. 2,138,578; Nov. 29.

Hershey, John C., assignor to J. S. Hershey Baking Company, York, Pa. Package for food products. 2,138,005; Nov. 29.

Hershey, J. S., Baking Company. (See Hershey, John C., assignor.)

Hess, Herbert H., Whitestone, N. Y. Traffic signal lens. 2,138,545; Nov. 29.

Hewitt, Harry, Manchester, England, assignor to Standard Brands, Incorporated, New York, N. Y. Preparation or treatment of cereal flour. 2,138,062; Nov. 29.

Heymann, Paul. (See Blair, Gerhardt, assignor.)

Heymer, Gerd. Wolfen, Kreis Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Copying lenticular photographic films. 2,138,097; Nov. 29.

Hicks, James A., assignor of one-half to A. L. Belle Isle, Atlanta, Ga. Vehicle brake equalizer. 2,138,235; Nov. 29.

High, Raymond L., Philadelphia, Pa. Therapeutic preparation of colloidal sulphur. 2,138,546; Nov. 29.

Higham, William W., Detroit, and S. H. Morse, Dearborn, assignors to Universal Cooler Corporation, Detroit, Mich. Evaporator. 2,138,525; Nov. 29.

Hiiblom, Samuel E. (See Crumb, C. F., and Hiiblom.)

Hill, Frederick, and J. A. Radley, Blackley, England, assignors to Imperial Chemical Industries Limited. Dyeing of hardened casein. 2,138,602; Nov. 29.

Hilliard, John D., Glens Falls, N. Y. Accelerated break circuit interrupter. 2,138,323; Nov. 29.

Hilton, Everett S., assignor of one-fourth to P. A. Brewer and one-fourth to G. H. Powers, Belmont, Mass. Machine for assorting articles according to their weight. 2,138,475; Nov. 29.

Hinman, George L., assignor to The Greist Manufacturing Company, New Haven, Conn. Adjustable hemmer attachment for sewing machines. 2,138,492; Nov. 29.

Hinze, Albert, Ardmore, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Container. 2,138,699; Nov. 29.

Hipwell, Harry T., assignor to Wolverine Supply and Manufacturing Company, Pittsburgh, Pa. Game. 2,138,764; Nov. 29.

Hiscox, William A., Littleover, near Derby, England. Crushing and breaking apparatus. 2,138,657; Nov. 29.

Hixson, Arthur W., Leonia, N. J., and R. Miller, New York, N. Y., assignors to The Chemical Foundation, Incorporated. Solvent refining of petroleum oils. 2,138,166; Nov. 29.
Hochwalt, Carroll A. (See Thomas, C. A., and Hochwalt.)
Hoe, R., & Co. (See Huck, William F., assignor.)
Hoe, R., & Co. (See Zuckerman, Adolph M., assignor.)
Hoeveler, John A., Mount Lebanon, assignor to Pittsburgh Reflector Company, Pittsburgh, Pa. Illuminating fixture. 2,138,635; Nov. 29.
Hoff, George K., 3d., Philadelphia, Pa. Container. 2,138,700; Nov. 29.
Hoffer, Joseph G. (See Plym, F. J., and Hoffer.)
Hokerk, Lynde D. (See Cooper, Frank A., assignor.)
Holder, Edward P., New York, and E. L. Miller, Troy, assignors, by mesne assignments, to American Machine and Metals Inc., New York, N. Y. Centrifugal machine. 2,138,167; Nov. 29.
Hollander, Aladar, Berkeley, assignor to Byron Jackson Co., Huntington Park, Calif. Semisubmersible motor pump. 2,138,032; Nov. 29.
Hollins, Abraham and J., Brooklyn, N. Y. Lamp construction. 2,138,579; Nov. 29.
Hollins, Jesse. (See Hollins, Abraham and J.)
Holm, Melvin M. (See Shiffler, W. H., and Holm.)
Holmes, Earl K., assignor to Falls Steel Tube & Manufacturing Company, Newton Falls, Ohio. Protective device for crankcase ventilators. 2,138,098; Nov. 29.
Holmes, Joseph W., Grand Rapids, Mich. Portable container having carrying frames. 2,138,451; Nov. 29.
Holmgren, Eric A., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 2,138,099; Nov. 29.
Holt, Albert C. (See Lemmon, W. S., Doty, Walz, and Holt.)
Hongo, Tatsuo, Yokohama, Japan, assignor to General Electric Company. Driving means for spinning machines. 2,138,658; Nov. 29.
Honig, Frank, Pawtucket, R. I. Winding balls. 2,138,452; Nov. 29.
Hope, Samuel N. (See Broeren, F. L., and Hope.)
Horak, Anton, Chicago, Ill. Aerial rocket. 2,138,168; Nov. 29.
Horton, Erwin C., Hamburg, assignor to Trico Products Corporation. Buffalo, N. Y. Motor vehicle. 2,138,236; Nov. 29.
Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Power plant for operating an accessory. 2,138,237; Nov. 29.
Hotson, Arthur R., executor. (See Hotson, Paul and J. H.)
Hotson, John H. (See Hotson, Paul and J. H.)
Hotson, Paul, deceased, Acme, Alberta, Canada, A. R. Hotson, executor; and J. H. Hotson, Woodside, Long Island, N. Y. Safety razor. 2,138,063; Nov. 29.
Houplain, Georges E., Paris, France. Pneumatic braking device. 2,138,547; Nov. 29.
Howard, George E., Butler, Pa. Speed regulator. 2,138,100; Nov. 29.
Howard, John H., Huntington Park, Calif. Rotary core drill. 2,138,006; Nov. 29.
Howard, John H., and P. C. Efromson, Whittier; said Efromson assignor to Globe Oil Tools Company, Los Nietos, Calif. Reamer cutter mounting. 2,138,007; Nov. 29.
Howard, Stanley R., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Packaging machine. 2,138,101; Nov. 29.
Howell, Kenneth B., Milwaukee, Wis. Combination reducing valve and desuperheater. 2,138,064; Nov. 29.
Howie, Kenneth, Norristown, Pa. Toy airplane. 2,138,301; Nov. 29.
Huck, William F., Richmond Hill, assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y. Multicolor sheet fed rotary printing machine. 2,138,405; Nov. 29.
Huck, William F., Richmond Hill, assignor to R. Hoe & Co., Inc., New York, N. Y. Mechanism for cutting and delivering sheets from a web. 2,138,406; Nov. 29.
Huck, William F., Richmond Hill, assignor to R. Hoe & Co., Inc., New York, N. Y. Multicolor sheet fed rotary printing machine. 2,138,407; Nov. 29.
Hull, George K., Fredonia, and R. L. Drake, Dunkirk, assignors to American Locomotive Company, New York, N. Y. Machine for cutting by heat pipes or similar objects angularly crosswise thereof. 2,138,676; Nov. 29.
Hume, Horace D., and J. E. Love, assignors to Hume-Love Company, Garfield, Wash. Harvesting machine. 2,138,238; Nov. 29.
Hume-Love Company. (See Hume, H. D., and Love, assignors.)
Hunt, George, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Clutch. 2,138,169; Nov. 29.
Hunt, George, and W. S. Wolfram, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Automobile clutch. 2,138,170; Nov. 29.
Hunter, James, Machine Company, The. (See Cannity, Ernest, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Heymer, Gerd, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Meder, Georg, assignor.)
I-T-E Circuit Breaker Company. (See Scott, William M., Jr., assignor.)
Illinois Iron & Bolt Company. (See Warner, Arthur L., assignor.)
Illinois Testing Laboratories, Inc. (See Breitenstein, Victor W., assignor.)
Imperial Brass Manufacturing Company, The. (See Beehler, Vernon D., assignor.)
Imperial Chemical Industries Limited. (See Hill, F., and Radley, assignors.)
Infilco Inc. (See Adelson, Samuel L., assignor.)
Ingersoll-Rand Company. (See Dickenson, Ernest H., assignor.)
Interchemical Corporation. (See Turek, Frank S., assignor.)
Interlake Iron Corporation. (See Fagan, John P., assignor.)
International Business Machines Corporation. (See Bryce, J. W., and Daly, assignors.)
International Business Machines Corporation. (See Daly, George F., assignor.)
International Business Machines Corporation. (See Galyon, John W., assignor.)
International Business Machines Corporation. (See Lake, Clair D., assignor.)
International Business Machines Corporation. (See Lemmon, W. S., Doty, Walz, and Holt, assignors.)
International Business Machines Corporation. (See Malmros, Gustav V. A., assignor.)
International Business Machines Corporation. (See Scharr, Walter P., assignor.)
International Business Machines Corporation. (See Weinlich, H. A., and Breinlinger, assignors.)
International Cellucotton Products Company. (See Thompson, Oscar T., assignor.)
International Cigar Machinery Company. (See Neumair, Joseph A., assignor.)
International Harvester Company. (See Crumb, C. F., and Hilblom, assignors.)
International Harvester Company. (See Rogers, Clifford R., assignor.)
International Nickel Company, The. (See Pfeil, Leonard B., assignor.)
Intertype Corporation. (See Freund, Herman R., assignor.)
Invex Corporation. (See Craig, Palmer H., assignor.)
Irgens, Finn T., Wagwatosa, Wis., assignor, by mesne assignments, to Outboard, Marine & Manufacturing Company, Wilmington, Del. Self-propelled implement. 2,138,239; Nov. 29.
Irwin, Herbert E., Barons, Alberta, Canada. Propelling mechanism for aircraft and vehicles. 2,138,034; Nov. 29.
Ivers-Lee Company. (See Salfisberg, Leroy L., assignor.)
Jablonsky, Bruno, London, England, assignor to Trico-Folberth Limited. Vehicle direction-indicator. 2,138,102; Nov. 29.
Jensen, Viggo, Solrod, Denmark. Traction device. 2,138,493; Nov. 29.
Johns-Manville Corporation. (See Miles, William S., assignor.)
Johnson, Alvin L., Ottawa Hills, assignor to The Logan Gear Company, Toledo, Ohio. Lifting device. 2,138,276; Nov. 29.
Johnson, Charles S., Champaign, Ill. Apparatus for handling materials. 2,138,277; Nov. 29.
Johnson, Charles S., assignor to The C. S. Johnson Company, Champaign, Ill. Batching apparatus. 2,138,172; Nov. 29.
Johnson, Conrad B., Eau Claire, Wis. Antislip device. 2,138,171; Nov. 29.
Johnson, C. S., Company. (See Johnson, Charles S., assignor.)
Johnson, John G. (See Kennedy, M. D., and Johnson.)
Johnson, John H., Toronto, Ontario, Canada. Making striped rubber products. 2,138,378; Nov. 29.
Johnson, Norman G., Wenonah, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Explosive package. 2,138,603; Nov. 29.
Johnson, Vernie L., Wyoming, Minn. Fence making machine. 2,138,173; Nov. 29.
Jones, Adrian S., Redwood City, Calif. Amusement device. 2,138,008; Nov. 29.
Jones, Frank D., Ottumwa, assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Baler. 2,138,604; Nov. 29.
Jones, Leo D., assignor to The Sharples Specialty Company, Philadelphia, Pa. Centrifugal separation. 2,138,476; Nov. 29.
Jones & Vining, Inc. (See Harriman, Charles E., assignor.)
Jorgensen, Enoch B., assignor, by mesne assignments, to Viber Company, Los Angeles, Calif. Road paving machine. 2,138,103; Nov. 29.
Joyce, Lyndon W., Greensboro, N. C., assignor to The Faultless Manufacturing Company, Baltimore, Md. Elastic garment band. 2,138,453; Nov. 29.
Julien, Arlie P. (See Saddington, A. W., and Julien.)
Junghans, Helmut, Schramberg-Sulgen, Germany. Pendulum locking device for clocks. 2,138,345; Nov. 29.

Kaiserman, Jacob R., Helena, Mont. Bowling alley. 2,138,423; Nov. 29.
Kansas City Smelting Company. (See Wattson, Robert K., assignor.)
Karnes, James C., Buffalo, N. Y. Position finding instrument. 2,138,035; Nov. 29.
Karpen, S., & Bros. (See Van Derveer, Clarence A., assignor.)
Kaspar, Otto. (See Trefz, J. J., and Kaspar.)
Kauppi, Toivo A. (See Collings, W. R., and Kauppi.)
Kawneer Company, The. (See Plym, Francis J., assignor.)
Kawneer Company, The. (See Plym, F. J., and Hoffer, assignors.)
Keebler, Paul T., assignor to Elliott Company, Jeannette, Pa. Tube cleaner. 2,138,009; Nov. 29.
Keller, Karl. (See Münz, F., Keller, and Trösken.)
Kellogg, Ralph S., Royal Oak, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,138,104; Nov. 29.
Kelsey-Hayes Wheel Company. (See Le Jeune, Frank H., assignor.)
Kemp, William E., Detroit, Mich. Roller screen construction and method. 2,138,105; Nov. 29.
Kendall Dog Food Company. (See Kruger, E., and Kendall, assignors.)
Kendall, Walter M. (See Kruger, E., and Kendall.)
Kennedy, Mabry D., and J. G. Johnson, Orlando, Fla. Fruit and vegetable treating machine. 2,138,174; Nov. 29.
Kernin, Alfred G., Mosinee, Wis., assignor, by mesne assignments, of sixty per cent to The Babcock & Wilcox Company, New York, N. Y., and forty per cent to Canada Paper Co., Montreal, Quebec, Canada. Recovering heat and chemicals from waste liquors. 2,138,278; Nov. 29.
Kestell, Thomas A. (See Gouldbourn, J., and Kestell.)
Keys, Walter C., Detroit, Mich., assignor to United States Rubber Products, Inc., New York, N. Y. Resilient mounting. 2,138,175; Nov. 29.
Keys, Walter C., Detroit, Mich., assignor to United States Rubber Products, Inc., New York, N. Y. Resilient mounting for absorbing vibrations. 2,138,176; Nov. 29.
Kiesel, John S., et al. (See Kiesel, William F., Jr., assignor.)
Kiesel, William F., Jr., Hollidaysburg, Pa., assignor of one-third to [redacted] K. Rutan, Chevy Chase, Md., one-third to J. S. Kiesel, Williamsport, Pa., and one-third to W. F. Kiesel, 3d, Stewart Manor, Long Island, N. Y. Steam engine valve. 2,138,740; Nov. 29.
Kiesel, William F., 3d, et al. (See Kiesel, William F., Jr., assignor.)
Kilgore Development Corporation. (See Ford, Jared H., assignor.)
Killman, Robert T., Nashville, Tenn. Nozzle. 2,138,379; Nov. 29.
Killman, Robert T. and T. A., Nashville, Tenn. Automatic nozzle. 2,138,380; Nov. 29.
Killman, Thomas A. (See Killman, Robert T. and T. A.)
Kilner, Louis, assignor to Sun-Maid Raisin Growers of California, Fresno, Calif. Raisin capper. 2,138,302; Nov. 29.
Kindig, Arnie J., South Bend, assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Shaft bearing. 2,138,659; Nov. 29.
Kinkead, Fullerton S., Ridgefield Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Printing telegraph system. 2,138,580; Nov. 29.
Kirch, Jean N. (See Nordstrom, J. M., Jr., and Kirch.)
Kirst, William E., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Primer for high explosives. 2,138,581; Nov. 29.
Klocke, William, Woodhaven, N. Y. Press-slide with gag-connection. 2,138,106; Nov. 29.
Kluge, Abel and E., assignors to Brandtjen and Kluge, Inc., St. Paul, Minn. Side register gauge for printing presses. 2,138,107; Nov. 29.
Kluge, Eneval. (See Kluge, Abel and E.)
Knapp, Paul, Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Recovery of lower aliphatic acids. 2,138,582; Nov. 29.
Kneisley, Richard F., assignor to The American Floor Surfacing Machine Company, Toledo, Ohio. Control switch. 2,138,279; Nov. 29.
Knossalla, Albert A., St. Walburg, Saskatchewan, Canada. Automobile headlight turning device. 2,138,303; Nov. 29.
Knox, Thomas B., Manchester, Mass. Curve plotting and drafting instrument. 2,138,494; Nov. 29.
Kobusch, Walter, assignor to Maschinenfabrik Friedrich Haas Kommanditgesellschaft, Remscheid-Lennep, Germany. Drying apparatus. 2,138,240; Nov. 29.
Koca, James F., assignor to Woodstock Typewriter Company, Woodstock, Ill. Reducng shock in the escapement mechanisms of typewriters. 2,138,324; Nov. 29.
Koch, Herman, and J. L. Burke, Weehawken, N. J. Sealed package. 2,138,241; Nov. 29.
Koeberle, Karl, and C. Steigerwald, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Compounds of the anthrapyradine and anthrapyrimidine series. 2,138,381; Nov. 29.
Koenig, Alphonso L., Chicago, Ill. Apparatus for dispensing beverages. 2,138,454; Nov. 29.
Kreissler, Otto, Frankfort-on-the-Main-Griesheim, Germany, assignor to American Lurgi Corporation, New York, N. Y. Circulating liquor in pulp cookers. 2,138,455; Nov. 29.
Kriechbaum, John P., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Furnace control system. 2,138,791; Nov. 29.
Kronmiller, Carl G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Burner control system. 2,138,792; Nov. 29.
Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Coating sheet metal can with wax. 2,138,741; Nov. 29.
Kruger, Earl, and W. M. Kendall, assignors to Kendall Dog Food Company, Portland, Oreg. Animal food. 2,138,177; Nov. 29.
Kunze, Willy, Bremen, Germany, assignor to Submarine Signal Company, Boston, Mass. Compressional wave sender or receiver. 2,138,036; Nov. 29.
Kuroda, Sadayosi, Ganmiti-tyo, Nagoya-si, Japan. Connection system for primary windings of transformers for use in commutator type converters. 2,138,548; Nov. 29.
Kyser, Smith, Ionia, Mich. Toy. 2,138,280; Nov. 29.
La Bell, Oldric J., Washington, D. C.; dedicated to the free use of the People of the United States of America. Arch type electrical road switch. 2,138,549; Nov. 29.
Lake, Clair D., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Commutator. 2,138,636; Nov. 29.
Lamson & Sessions Company, The. (See Salter, John W., assignor.)
Landis Machine Company. (See Wolf, Eugene G., assignor.)
Landis, Richard P., Grass Valley, assignor to Landis Transfusion Equipment Co., Sacramento, Calif. Blood transfusion syringe. 2,138,605; Nov. 29.
Landis Transfusion Equipment Co. (See Landis, Richard P., assignor.)
Lane, Orley B., Washington, D. C. Earth retainer. 2,138,037; Nov. 29.
Lang, Karl T., Coswig-Dresden, assignor to Dresden-Leipziger Schnellpressen-Fabrik-A. G., Coswig, Germany. Sheet delivery device for printing machines. 2,138,178; Nov. 29.
Lang, Karl T., Coswig-Dresden, assignor to Dresden-Leipziger Schnellpressen-Fabrik A. G., Coswig, Germany. Rotary printing machine. 2,138,179; Nov. 29.
Langley, Sam G., Maplewood, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph record shaving machine. 2,138,346; Nov. 29.
Langwell, Herbert, Windmill End, Epsom, C. B. Maddocks, Epsom, and J. F. Short, Cheam, England, assignors to Carbide and Carbon Chemicals Corporation. Process and catalyst for making olefine oxides. 2,138,583; Nov. 29.
Lanninger, Karl L., Frankfort-on-the-Main-Rodelheim, Germany. Rotating sprinkler. 2,138,282; Nov. 29.
Lannom Manufacturing Company, The. (See Grau, George D., Jr., assignor.)
Lanphier, Charles H., assignor to Sangamo Electric Company, Springfield, Ill. Coil construction. 2,138,606; Nov. 29.
Lapham, Ella M., Minneapolis, Minn. Matted fabric and producing same. 2,138,108; Nov. 29.
Larkin, Walter. (See Sherlin, E. C., and Larkin.)
Larsen, Olaf, Oak Park, assignor to The Creamery Package Mfg. Company, Chicago, Ill. Heat transfer apparatus. 2,138,607; Nov. 29.
Law, Raymond M., and H. C. Britton, Syracuse, assignors to The Solvay Process Company, New York, N. Y. Purification of caustic. 2,138,347; Nov. 29.
Layman, Ralph E., Howard Beach, N. Y. Change speed gearing. 2,138,065; Nov. 29.
Leach, Robert H., Fairfield, Conn., assignor to Handy & Harman, New York, N. Y. Alloys. 2,138,637; Nov. 29.
Leach, Robert H., Fairfield, Conn., assignor to Handy & Harman, New York, N. Y. Alloys. 2,138,638; Nov. 29.
Le Bleu, Charles, Los Angeles, Calif. Earthworking implement. 2,138,304; Nov. 29.
Le Blond, R. K., Machine Tool Company, The. (See Greene, W. F., and Meyer, assignors.)
Lee, George P., assignor to Eastern Manufacturing Company, New York, N. Y. Mailing device. 2,138,250; Nov. 29.
Leeds, Winthrop M., Wilkinsburg, Pa., and E. Ortensi, Bergamo, Italy, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,138,382; Nov. 29.
Lehmkuhl, Joakim, Oslo, Norway. Ventilator of the louver type. 2,138,180; Nov. 29.
Leischner, Georg. (See Dillenbach, W., and Leischner.)
Leitz, Ernst, G. m. b. H. (See Becker, Helmut, assignor.)
Leitz, Ernst, G. m. b. H. (See Mulch, Hans, assignor.)
Le Jeune, Frank H., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Machine for manufacturing undercut sand molds. 2,138,701; Nov. 29.
Lemmon, Walter S., New York, C. R. Doty, Binghamton, R. F. Walz, Endicott, N. Y., and A. C. Holt, Princeton, N. J., assignors to International Business Machines Corporation, New York, N. Y. System of coding and decoding. 2,138,639; Nov. 29.

Leverett, Warren H., Bartlesville, Okla., assignor to National Zinc Company, Inc., New York, N. Y. Treating cadmium bearing materials. 2,138,281; Nov. 29.

Le Vesconte, Harold J., Western Springs, assignor to Union Special Machine Company, Chicago, Ill. Sewing machine work trimmer. 2,138,765; Nov. 29.

Levy, Nat, New York, N. Y. Finger ring. 2,138,640; Nov. 29.

Lewis, Arthur J., Stratford, Conn., assignor to The Mason Box Company, Attleboro Falls, Mass. Box fastener machine. 2,138,495; Nov. 29.

Light, Sidney D., Detroit, Mich. Booklet and cover means. 2,138,496; Nov. 29.

Lindblad, Axel E., Orange, assignor to United Shoe Machinery Corporation, Paterson, N. J. Making shoes. 2,138,109; Nov. 29.

Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Short wave signaling. 2,138,181; Nov. 29.

Lindstrom, George D., and E. North, assignors to National Lock Co., Rockford, Ill. Door latch mechanism. 2,138,251; Nov. 29.

Line Material Company. (See Schultz, W. O., and Steinmayer, assignors.)

Link-Belt Company. (See Weiss, Charles R., assignor.)

Link, Maximilian P., Los Angeles, Calif. Container construction. 2,138,252; Nov. 29.

Lionel Corporation, The. (See Bonanno, Joseph L., assignor.)

Lipthrott, Henry C., St. Petersburg, Fla. Building structure. 2,138,182; Nov. 29.

Litsey, Robert G., Fort Worth, Tex. Line coupler. 2,138,702; Nov. 29.

Little, Royal, Providence, and F. W. Fraim, Cranston, assignors to Franklin Rayon Corporation, Providence, R. I. Cop tube and manufacturing the same. 2,138,383; Nov. 29.

Littmann, Edwin R., assignor to Hercules Powder Company, Wilmington, Del. Treatment of rosins and metal salts produced thereby. 2,138,183; Nov. 29.

Loeffler, Fritz, New York, N. Y. Recording mechanism. 2,138,110; Nov. 29.

Logan Gear Company, The. (See Johnson, Alvin L., assignor.)

Long, Charles A., Jr., Haddon Heights, N. J. Display device. 2,138,348; Nov. 29.

Long, George, assignor to Franklin Steel Works, Joliet, Ill. Bag closing and fastening mechanism. 2,138,111; Nov. 29.

Love, James E. (See Hume, H. D., and Love.)

Lubrication Corporation, The. (See Dodge, Adiel Y., assignor.)

Ludlow, Edmund, assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Muffler. 2,138,477; Nov. 29.

Lukacz, Michael, Jr. (See McChesney, C. S., and Lukacz.)

Lynch, Edward J., Detroit, Mich. Tool holder. 2,138,253; Nov. 29.

Macdonald, Kenneth W., Watertown, assignor to Oskar W. Wikstrom, Newton, Mass. Handling and collapsing paper boxes. 2,138,766; Nov. 29.

Mackowiak, Ignatius, Burnham, Ill. Coaster brake. 2,138,497; Nov. 29.

MacLellan, Angus D., assignor to Anglo American Mill Corporation, Owensboro, Ky. Mixing apparatus. 2,138,550; Nov. 29.

MacNutt, Arthur D., Kenmore, assignor to Certain-Teed Products Corporation, New York, N. Y. Roofing material. 2,138,456; Nov. 29.

Maddocks, Charles B. (See Langwell, H., Maddocks, and Short.)

Magazine Repeating Razor Company. (See Rodrigues, Octavius V., assignor.)

Magenheimer, Clifford O., Rochester, N. Y. Roof gauge. 2,138,551; Nov. 29.

Makepense, D. E., Company. (See Capillon, Edward A., assignor.)

Mallory, Edward B., Tenafly, N. J. Method and apparatus for aerating sewage. 2,138,349; Nov. 29.

Mallory, P. R., & Co. (See Gwyn, Childress B., Jr., assignor.)

Malmros, Gustav V. A., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Accounting machine. 2,138,641; Nov. 29.

Mann, Cecil A., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,138,660; Nov. 29.

Mann, Elizabeth F., New York, N. Y. Hat. 2,138,642; Nov. 29.

Mapes, Clyde W. (See Wise, A. G., Mapes, Chryst, and Fuchs.)

Marathon Paper Mills Company. (See Broeren, F. L., and Hope, assignors.)

Marathon Paper Mills Company. (See Morris, Elmer C., assignor.)

Marathon Paper Mills Company. (See Siewert, Edwin, assignor.)

Marshall, Charles E. (See Ellis, Charles A., assignor.)

Martin, Herbert E., Cumberland, Md., assignor to Celanese Corporation of America. Transparent organic derivatives of cellulose. 2,138,184; Nov. 29.

Martin, Wendell L., Cleveland, Ohio. Drying apparatus. 2,138,333; Nov. 29.

Martin, William T., Tampa, Fla. Device for sharpening scissors and like cutting implements. 2,138,552; Nov. 29.

Marvel, Carl S., Urbana, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polysulphones and their preparation. 2,138,584; Nov. 29.

Maschinenfabrik Augsberg-Nürnberg A. G. (See Dietrich, Paul, assignor.)

Maschinenfabrik Friedrich Haas Kommanditgesellschaft. (See Kobusch, Walter, assignor.)

Mason Box Company, The. (See Lewis, Arthur J., assignor.)

Maston, Edward E. (See Brunt, J. P., and Maston.)

Matchett, Henry I., Philadelphia, Pa. Sealing tin-tie bags. 2,138,066; Nov. 29.

Mathews, Edward F., Weymouth, Mass. Shoemaking. 2,138,185; Nov. 29.

Matthews, Birchard L., Lakewood, assignor to The Patrol Valve Company, Cleveland, Ohio. Gas cock. 2,138,767; Nov. 29.

Matuschke, Walter, Berlin, Germany. Printing. 2,138,703; Nov. 29.

Matuschke, Walter, Berlin, Germany. Preparing a press for printing and printing press. 2,138,704; Nov. 29.

Mauser-Werke A.-G. (See Seidel, Alex, assignor.)

Maxwell, Howard, Schenectady, N. Y., assignor to General Electric Company. Making dynamo-electric machines. 2,138,661; Nov. 29.

McAdoo & Allen Welting Company. (See Brown, William, assignor.)

McBrayer, Vernon D., Phil Campbell, Ala. Measuring device. 2,138,742; Nov. 29.

McChesney, Cuyler S., and M. Lukacz, Jr., Kenmore, assignors to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Apparatus for printing tennis balls. 2,138,350; Nov. 29.

McCormick, Rembe, Chicago, Ill. Pin curler. 2,138,608; Nov. 29.

McCutchen, William A., Birmingham, Ala. Bottle crate. 2,138,424; Nov. 29.

McDavitt, Marcellus B., White Plains, N. Y., assignor to American Telephone and Telegraph Company. Telephone system. 2,138,186; Nov. 29.

McElgin, John, Philadelphia, assignor to John J. Nesbitt, Inc., Holmesburg, Philadelphia, Pa. Radiator. 2,138,187; Nov. 29.

McGary, Burns T. (See Hart, F. W., and McGary.)

McGonigall, John L., Philadelphia, Pa. Internal combustion engine. 2,138,351; Nov. 29.

McGrath, William L., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Refrigeration control system. 2,138,768; Nov. 29.

McGraw Electric Company. (See Graham, Maurice H., assignor.)

McIntosh, Alan J., et al. (See Pilblad, Eric J., assignor.)

McIntosh, Alan J., et al. (See Strange, Charles C., assignor.)

McMillan, Joe B., La Conner, Wash. Can lifter. 2,138,498; Nov. 29.

McMurtrie, Douglas H. (See Richter, G. A., and McMurtrie.)

Means, John Z., L. R. Conklin, and J. H. Conway, Rockford, assignors to The Eddy Paper Corporation, Chicago, Ill. Chick box. 2,138,112; Nov. 29.

Meder, Georg, Leverkusen-I. G. Werk, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Titanium pigments. 2,138,384; Nov. 29.

Mefina S. A. (See Henry, Pierre, assignor.)

Merchant & Evans Company. (See Evans, Powell, assignor.)

Mercier, Pierre E., Paris, France. Airplane wing structure. 2,138,352; Nov. 29.

Metcalf, Robert K., Toronto, Ontario, Canada. Sponge rubber brush. 2,138,010; Nov. 29.

Meyer, Albert W., Nutley, N. J., assignor to A. O. Smith Corporation, Milwaukee, Wis. Hydrolyzing organic halides. 2,138,609; Nov. 29.

Meyer, Arthur F., Glendale, Calif., assignor of one-half to C. A. Mayer, Pittsburgh, Pa. Liquid measuring device. 2,138,677; Nov. 29.

Meyer, Charles A. (See Meyer, Arthur F., assignor.)

Meyer, Joseph E., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Sheet collecting and folding mechanism for printing presses. 2,138,499; Nov. 29.

Meyer, Walter R. (See Groene, W. F., and Meyer.)

Michelin & Cie. (See Bourdon, Pierre M., assignor.)

Micromatic Hone Corporation. (See Connor, Kirke W., assignor.)

Miessner, Benjamin F., Millburn, N. J., assignor to Miessner Inventions, Inc. Apparatus for the production of music. 2,138,500; Nov. 29.

Miessner Inventions, Inc. (See Miessner, Banjamin F., assignor.)

Miles, William S., Hastings on Hudson, assignor to Johns-Manville Corporation, New York, N. Y. Shingle and assembly of the same. 2,138,663; Nov. 29.

Miller, Charles, deceased; I. G. Miller, executrix, assignor to I. Miller & Sons, Inc., Long Island City, N. Y. Elastic top shoe. 2,138,385; Nov. 29.

Miller and Chong. (See Chong, Jue L., assignor.)

Miller, Edward L. (See Holder, E. P., and Miller.)

Miller, George E., assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio. Safety load holding means. 2,138,386; Nov. 29.

Miller, Ida G., executrix. (See Miller, Charles.)

Miller, I., & Sons, Inc. (See Miller, Charles, assignor.)

Miller, Ralph. (See Hixson, A. W., and Miller.)

Miller, Royal R., Detroit, Mich., assignor of one-half to R. J. Gits, Chicago, Ill. Washing machine. 2,138,501; Nov. 29.

Mink, Solomon J., New York, N. Y. Dental correlator. 2,138,254; Nov. 29.

Minneapolis-Honeywell Regulator Company. (See Edmondson, William H., assignor.)

Minneapolis-Honeywell Regulator Company. (See Kriechbaum, John P., assignor.)

Minneapolis-Honeywell Regulator Company. (See Kronmiller, Carl G., assignor.)

Minneapolis-Honeywell Regulator Company. (See McGrath, William L., assignor.)

Minneapolis-Honeywell Regulator Company. (See Sparrow, Hubert T., assignor.)

Mitchell, Courtney N., Berea, Ohio. Charge forming device. 2,138,038; Nov. 29.

Mojonnier, Albert B. (See Fagan, L. E., and Mojonnier.)

Mojonnier Bros. Co. (See Fagan, L. E., and Mojonnier, assignors.)

Molins Machine Company. (See Chalmers, John W., assignor.)

Moloney, Raymond T. (See Nicolaus, Frank G., assignor.)

Money, Roland H., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Compressor and lubricating means. 2,138,664; Nov. 29.

Monsanto Chemical Company. (See Sibley, Robert L., assignor.)

Monsanto Chemical Company. (See Thomas, C. A., and Hochwalt, assignor.)

Monsanto Chemical Company. (See Udy, Marvin J., assignor.)

Moore, Howard L., Cochranton, Pa. Vehicle record and article holder. 2,138,743; Nov. 29.

Moos, Josef. (See Terres, E., Moos, and Saegebarth.)

Morley, Cornelius C., Trelawne, Looe, Cornwall, England. Flowerpot. 2,138,188; Nov. 29.

Morris, Elmer C., Chicago, Ill., assignor to Marathon Paper Mills Company, Rothschild, Wis. Paper napkin. 2,138,425; Nov. 29.

Morse, Stanley H. (See Higham, W. W., and Morse.)

Mossberg, Harold F., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn. Telescope sight. 2,138,067; Nov. 29.

Mossberg, O. F., & Sons, Inc. (See Mossberg, Harold F., assignor.)

Muich, Hans, Wetzlar-Niedergirmes, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany. Film operating mechanism for cameras. 2,138,068; Nov. 29.

Mulford, Logan W., Long Island City, N. Y. Ventilating skylight. 2,138,189; Nov. 29.

Muller, William F., Brooklyn, assignor to William A. Force, III, New York, N. Y. Electrical repeating printing machine. 2,138,793; Nov. 29.

Muncheryan, Hrand M., Los Angeles, Calif. Indicating fuse plug. 2,138,769; Nov. 29.

Munsingwear, Inc. (See Chatfield, Franklin, assignor.)

Münz, Ferdinand, Frankfort-on-the-Main, and K. Keller and O. Trösken, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Analine Works, Inc., New York, N. Y. Onium-methyl benzenes, useful for improving the fastness of dyeings. 2,138,113; Nov. 29.

Münz, Ferdinand, Frankfort-on-the-Main, and K. Keller, and O. Trösken, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Improving the fastness of dyeings. 2,138,457; Nov. 29.

Münz, Ferdinand, Frankfort-on-the-Main, and K. Keller and O. Trösken, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Improving the fastness of substantive dyeings. 2,138,458; Nov. 29.

Murphy, Thomas F., Wellsboro, Pa. Identifying articles. 2,138,705; Nov. 29.

Murray Corporation of America, The. (See Haberstump, Alfred H., assignor.)

Muth, Friedrich W., Leverkusen I. G. Werk, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Dyeings on cellulose esters. 2,138,553; Nov. 29.

Myers, Joseph W., assignor to Proctor & Schwartz, Inc., Philadelphia, Pa. Electrical cooking apparatus. 2,138,706; Nov. 29.

Myers, Ola H., Central City, Iowa. Multiple row planter. 2,138,011; Nov. 29.

Myers, Orley V., Winona, Minn. Fish tackle box. 2,138,190; Nov. 29.

N. V. Machinerieen en Apparaten Fabrieken "Meaf". (See Düllenbach, W., and Leischner, assignors.)

Nan, Lee, Tucson, Ariz. Pedal attachment for gear shift levers. 2,138,242; Nov. 29.

Nash-Kelvinator Corporation. (See Philipp, Lawrence A., assignor.)

Nashua Gummed and Coated Paper Company. (See Gautier, Trevor R., assignor.)

Nation, Augustus, Birmingham, Ala. Sanding apparatus. 2,138,526; Nov. 29.

National Cash Register Company, The. (See Davidson, John T., assignor.)

National Folding Box Company. (See Ringler, William A., assignor.)

National Lock Co. (See Lindstrom, G. D., and North, assignors.)

National Zinc Company. (See Leverett, Warren H., assignor.)

Needham, Ralph A., Lone Rock, Wis. Hygrometer. 2,138,707; Nov. 29.

Neils, Ray E. (See Flynn, T. P., and Neils.)

Nelson, Charles E., and H. De Long, assignors to The Dow Chemical Company, Midland, Mich. Treatment of magnesium and its alloys. 2,138,794; Nov. 29.

Nelson, Emil A., St. Clair Shores, Mich. Apparatus for forming disk wheels or the like. 2,138,115; Nov. 29.

Nelson, Emil A., St. Clair Shores, Mich., assignor of one-half to D. Young and one-fourth to F. W. Gay. Motor vehicle. 2,138,114; Nov. 29.

Nelson, Vernon L., Colibran, Colo. Control for motor vehicle clutches, brakes, and transmissions. 2,138,426; Nov. 29.

Nemeroff, Victor, assignor to Electro Manufacturing Co., Chicago, Ill. Bed lamp. 2,138,744; Nov. 29.

Nesbitt, John J., Inc. (See McElgin, John, assignor.)

Neumair, Joseph A., Hollis, N. Y., assignor to International Cigar Machinery Company. Cigar feed for cellophaning and banding machines. 2,138,662; Nov. 29.

Newman, Alexander I., Chicago, Ill. Variable pressure apparatus. 2,138,527; Nov. 29.

Newman, Isidor, New York, N. Y. Key holder. 2,138,116; Nov. 29.

New York Folding Box Co. (See Bronstein, Louis, assignor.)

Nicholas, Andrew J., Springfield, Mass., assignor to A. M. Smith, trustee, Detroit, Mich. Fuel feed system for internal combustion engines. 2,138,069; Nov. 29.

Nicolaus, Frank G., assignor to R. T. Moloney, Chicago, Ill. Timing mechanism. 2,138,243; Nov. 29.

Nitardy, Ferdinand W., Brooklyn, assignor to E. R. Squibb & Sons, New York, N. Y. Treatment and packaging of ether. 2,138,039; Nov. 29.

Nivling, Walter A., Newton Center, Mass. Making neutral sized paper. 2,138,325; Nov. 29.

Noblitt-Sparks Industries, Inc. (See Ludlow, Edmund, assignor.)

Nordstrom, John M., Jr., New York, N. Y., and J. N. Kirch, Chicago, Ill. End supporting bracket for a Venetian blind head bracket. 2,138,502; Nov. 29.

North, Edwin. (See Lindstrom, G. D., and North.)

Northern Trust Company, The, et al., executors. (See O'Brien, John J. and M. W.)

Noyes, John D., Detroit, Mich. Electric circuit controlling device. 2,138,191; Nov. 29.

Null, George. (See Null, William H., assignor.)

Null, William H., assignor of one-half to G. Null, Liberty, W. Va. Sickle bar for reapers and mowers. 2,138,305; Nov. 29.

O'Brien, John J. and M. W.; J. J. O'Brien and The Northern Trust Company, executors of said M. W. O'Brien, deceased, and J. J. O'Brien, individually, assignors to South Bend Lathe Works, South Bend, Ind. Belt tightener. 2,138,117; Nov. 29.

O'Brien, John R., Long Island City, N. Y. Plural-valve plumbing fixture. 2,138,503; Nov. 29.

O'Brien, Miles W. (See O'Brien, John J. and M. W.)

Officer, Wesley J., Hampden, and O. T. Wood, assignors to Blake Manufacturing Corporation, Clinton, Mass. Flashlight switch. 2,138,387; Nov. 29.

Okonite-Callender Cable Company, The. (See Reinitz, Bernard B., assignor.)

Oliver, Edward W., et al. (See Sievers, Albert J., Jr., assignor.)

O'Neil, James H., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Making enameled can bodies. 2,138,807; Nov. 29.

Oppenheim, Austin N., Brooklandville, Md., assignor to The B. V. D. Corporation, New York, N. Y. Undergarment. 2,138,643; Nov. 29.

Ordal, Erling J. (See Halvorson, H. O., Wilson, and Ordal.)

Ortensi, Ennio. (See Leeds, W. M., and Ortensi.)

Oskin, Benedict, Chicago, Ill. Eye tester. 2,138,554; Nov. 29.

Österr. Ung. Optische Anstalt C. P. Goerz Gesellschaft m. b. H. (See Raaber, Hans, assignor.)

Osterstrom, Rudolph C., Kenilworth, assignor to The Pure Oil Company, Chicago, Ill. Treating oil. 2,138,770; Nov. 29.

Ott, Emil, assignor to Hercules Powder Company, Wilmington, Del. Synthetic rubber composition. 2,138,192; Nov. 29.

Ott, Harvey N., assignor to Spencer Lens Company, Buffalo, N. Y. Microscope. 2,138,665; Nov. 29.

Ötvös, Ervin, Budapest, Hungary. Apparatus for screening out secondary X-Rays with a continuously moved grid. 2,138,555; Nov. 29.

Outboard, Marine & Manufacturing Company. (See Harmon, Lloyd J., assignor.)

Outboard, Marine & Manufacturing Company. (See Irgens, Finn T., assignor.)

Overly, Elmer G., Oakmont, Pa. Corded edge article. 2,138,610; Nov. 29.
Overmier, Emmons, La Grange, S. E. Bates, Chicago, and T. E. Rodman, Glencoe, assignors, by mesne assignments, to Poor & Company, Chicago, Ill. Derailer. 2,138,504; Nov. 29.
Owens-Illinois Glass Company. (See Carvalho, Leslie R. N., assignor.)
Owens-Illinois Pacific Coast Company. (See Griswold, Hugh T., assignor.)
Oyster, Earl F. (See Spikerman, F. T., and Oyster.)
Packard Motor Car Company. (See Bare, Erwin L., assignor.)
Packard Motor Car Company. (See Kellogg, Ralph S., assignor.)
Packard Motor Car Company. (See Vincent, Jesse G., assignor.)
Paper & Industrial Appliances Inc. (See Thorsen, Kristen A., assignor.)
Papeteries Navarre. (See Rey, Emile J. F., assignor.)
Parkinson, Edgar H., T. E. Gardner, and W. T. Vint, Bradford, England. Dam construction. 2,138,070; Nov. 29.
Parkinson, Edgar H., T. E. Gardner, and W. T. Vint, Bradford, England. Dam. 2,138,071; Nov. 29.
Parks, Paul B., Oak Park, assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Temperature control system. 2,138,505; Nov. 29.
Parrilli, Dr. Ing Roberto. (See Becquet, Denise, assignor.)
Patrick, Isaac, assignor to E. W. Bliss Company, Brooklyn, N. Y. Automatic apparatus for feeding strips or sheets to presses or other machines. 2,138,306; Nov. 29.
Patrol Valve Company, The. (See Matthews, Birchard L., assignor.)
Patterson, Gordon D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Titanium oxide pigments and producing same. 2,138,118; Nov. 29.
Paul, Peter, Inc. (See Flint, Clarence H., assignor.)
Payden, Claude D., Fremont, Ohio. Automatic ventilator. 2,138,427; Nov. 29.
Pearl, James W., Chicago, Ill. Combination of a chain, scraper, and conveyer. 2,138,678; Nov. 29.
Pecker, Louis, Newark, N. J. Comfort. 2,138,745; Nov. 29.
Pecora Paint Company. (See Seeberger, Fred B., assignor.)
Pedatella, Frank, assignor to W. C. Black, New Kensington, Pa. Change-over assembly. 2,138,478; Nov. 29.
Pedatella, Frank, assignor to W. C. Black, New Kensington, Pa. Change-over assembly. 2,138,479; Nov. 29.
Pedersen, Hother S. (See Worden, N. P., and Pedersen.)
Pelouch, James J. (See Schultz, P. I., and Pelouch.)
People of the United States, Dedicated to the free use of the. (See Flynn, T. P., and Neils.)
People of the United States of America, Free use of the. (See La Bell, Oldric J.)
Perkins, Ralph P. (See Britton, E. C., Coleman, and Perkins.)
Perr, Martin, Newark, N. J. Support coupler for gaseous vapor electric lamps. 2,138,013; Nov. 29.
Perr, Martin, assignor of one-half to W. H. Rabinowitz, Newark, N. J. Quill brush holder. 2,138,012; Nov. 29.
Perry, Joseph, St. Louis, Mich. Bird band. 2,138,040; Nov. 29.
Pestarini, Giuseppe M., Turin, Italy. Direct current dynamo-electric machine. 2,138,666; Nov. 29.
Pestarini, Joseph M., Turin, Italy. Direct current commutating type dynamo-electric machine. 2,138,667; Nov. 29.
Peterson, Eric W., Endwell, N. Y. Container. 2,138,708; Nov. 29.
Peterson, Ernest G., assignor to Hercules Powder Company, Wilmington, Del. Esters of pine wood pitch and producing. 2,138,193; Nov. 29.
Petroleum Engineering Inc. (See Raigorodsky, Paul M., assignor.)
Pevere, Ernest F., Beacon, assignor to The Texas Company, New York, N. Y. Lubricating oil. 2,138,771; Nov. 29.
Pfauser, Edward M., Elm Grove, assignor to Blackhawk Mfg. Co., Milwaukee, Wis. Hydraulic pump. 2,138,194; Nov. 29.
Pfeil, Leonard B., Edgbaston, Birmingham, England, assignor to The International Nickel Company, Inc., New York, N. Y. Manufacture of alloys. 2,138,459; Nov. 29.
Philipp, Lawrence A., assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,138,611; Nov. 29.
Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,138,612; Nov. 29.
Phillipps, Goddie F., Battle Creek, Mich., assignor, by mesne assignments, to Eaton Manufacturing Company, Cleveland, Ohio. Forming a valve. 2,138,528; Nov. 29.
Phillips Petroleum Company. (See Frey, Frederick E., assignor.)
Pierce, Ambrose R., Lorain, Ohio, assignor to American Stove Company, St. Louis, Mo. Pot type of range. 2,138,556; Nov. 29.
Pieth, Peter. (See Straub, F., Pieth, and Schneider.)
Pilblad, Eric J., et al. (See Strange, Charles C., assignor.)
Pilblad, Eric J., Rockville Centre, assignor of seventeen and one-half per cent to C. C. Strange, Port Richmond, Staten Island, N. Y., seventeen and one-half per cent to B. Aaronson, Meriden, Conn., seventeen and one-half per cent to A. L. Barach, and twelve and one-half per cent to E. J. Barach, New York, N. Y. Vulcanizing device. 2,138,585; Nov. 29.
Piron, Emil H., assignor, by mesne assignments, to Transit Research Corporation, New York, N. Y. Wheel. 2,138,506; Nov. 29.
Pisciotta, Immacolata, New York, N. Y. Curtain and drape bracket. 2,138,507; Nov. 29.
Pittsburgh Reflector Company. (See Hoeveler, John A., assignor.)
Place, Bion C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Fastener. 2,138,195; Nov. 29.
Platz, Henry T., assignor to Briggs Manufacturing Company, Detroit, Mich. Welding electrode. 2,138,388; Nov. 29.
Plummer, Charles C., Mexico, D. F., Mexico, dedicated to the free use of the Public in the Territory of the United States of America. Insecticide. 2,138,557; Nov. 29.
Plym, Francis J., assignor to The Kawneer Company, Niles, Mich. Store front construction. 2,138,586; Nov. 29.
Plym, Francis J., and J. G. Hoffer, assignors to The Kawneer Company, Niles, Mich. Bow construction for an automobile roof. 2,138,508; Nov. 29.
Pneumatic Scale Corporation. (See Howard, Stanley R., assignor.)
Poor & Company. (See Overmier, E., Bates, and Rodman, assignors.)
Potdevin, Adolph, Garden City, and G. E. Hampton, New York, assignors to Potdevin Machine Company, Brooklyn, N. Y. Bag. 2,138,119; Nov. 29.
Potdevin Machine Company. (See Potdevin, A., and Hampton, assignors.)
Pouit, Robert, Issy-les-Moulineaux, France. Flying machine. 2,138,326; Nov. 29.
Powers, George H., et al. (See Hilton, Everett S., assignor.)
Prentice, Allan L., Cleveland, Ohio, assignor to The American Brake Shoe and Foundry Company, Wilmington, Del. Brake shoe key. 2,138,196; Nov. 29.
Pressler, Hermann, and H. Richter, Leipzig, Germany, assignors to Radio Patents Corporation, New York, N. Y. Electric discharge lamp. 2,138,197; Nov. 29.
Preston, Gerald H., North Linthicum, assignor of twenty-four per cent to H. W. Allers and J. A. Cochran, and twenty-five per cent to A. N. Anderson, Baltimore, Md. Garment. 2,138,041; Nov. 29.
Proctor & Schwartz, Inc. (See Myers, Joseph W., assignor.)
Prosperity Company, The. (See Davis, Ernest, assignor.)
Pruden, Harold M., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,138,613; Nov. 29.
Public in the Territory of the United States of America, Dedicated to the Free Use of the. (See Plummer, Charles C., assignor.)
Pulgar, Mary, New York, N. Y. Skin treatment. 2,138,428; Nov. 29.
Pure Oil Company, The. (See Osterstrom, Rudolph C., assignor.)
Putterman, Benjamin, Brooklyn, N. Y., and D. E. Reed, assignors to Yankee Metal Products Corp., Norwalk, Conn. Mirror device. 2,138,808; Nov. 29.
Pyrene-Minimax Corporation. (See Betzler, Martin, assignor.)
Raaber, Hans, Purkersdorf, near Vienna, assignor to Österr. Ung. Optische Anstalt C. P. Goerz Gesellschaft m. b. H., Vienna, Austria. Bomb sight. 2,138,307; Nov. 29.
Rabinowitz, William H. (See Perr, Martin, assignor.)
Rabl, Hans E. A., assignor to The Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa. Coffee mill. 2,138,204; Nov. 29.
Rable, Hans E. A., assignor to The Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa. Food chopper. 2,138,203; Nov. 29.
Radio Corporation of America. (See Beverage, H. H., Carter, and Wickizer, assignors.)
Radio Corporation of America. (See Crosby, Murray G., assignor.)
Radio Corporation of America. (See Erichsen, Ruth J., assignor.)
Radio Corporation of America. (See Goldsmith, Alfred N., assignor.)
Radio Corporation of America. (See Hansell, Clarence W., assignor.)
Radio Corporation of America. (See Lindenblad, Nils E., assignor.)
Radio Corporation of America. (See Seeley, S. W., and Scofield, assignors.)
Radio Patents Corporation. (See Pressler, H., and Richter, assignors.)
Radley, Jack A. (See Hill, F., and Radley.)
Raigorodsky, Paul M., assignor to Petroleum Engineering Inc., Tulsa, Okla. Recovering hydrocarbons. 2,138,218; Nov. 29.
Railway & Industrial Engineering Company. (See Rudd, Harold H., assignor.)

Rainbolt, Katherine D., Bloomington, Ind. Humidifier for dwellings. 2,138,709; Nov. 29.
Raisch, William, assignor to Underpinning & Foundation Co., Inc., New York, N. Y. Incineration. 2,138,120; Nov. 29.
Ramsey, George, Brooklyn, N. Y., assignor to Valley Mould & Iron Corporation, Hubbard, Ohio. Ingot mold. 2,138,121; Nov. 29.
Ranco Incorporated. (See Raney, Estel C., assignor.)
Raney, Estel C., assignor to Ranco Incorporated, Columbus, Ohio. Control apparatus. 2,138,244; Nov. 29.
Raney, Estel C., Columbus, Ohio, assignor to Ranco Incorporated. Multiple control switch. 2,138,509; Nov. 29.
Rasmussen, Olat, and G. K. Hause, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Internal brake. 2,138,205; Nov. 29.
Rasmussen, Olaf, and R. C. Rike, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Slack adjuster. 2,138,206; Nov. 29.
Rauen, Carl F., Grosse Pointe, Mich. Muffler. 2,138,510; Nov. 29.
Raytheon Manufacturing Company. (See Smith, Charles G., assignor.)
Read, Everett C., assignor to The Filer & Stowell Co., Milwaukee, Wis. Piston structure for uniflow steam engines. 2,138,644; Nov. 29.
Reconstruction Finance Corporation. (See Bailey, Warren G., assignor.)
Reconstruction Finance Corporation. (See Erbe, Ralph R., assignor.)
Redcay, Frederick A., assignor to Fred C. Good & Sons, Philadelphia, Pa. Carrier for full-fashioned knitting machines. 2,138,389; Nov. 29.
Reed, Daniel E. (See Putterman, B., and Reed.)
Reid, James S., Shaker Heights, Ohio, assignor to Thermo-Plastics, Inc., St. Clair, Mich. Trim molding and making the same. 2,138,710; Nov. 29.
Reiff, Orland M., and D. E. Badertscher, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Acylated condensation products and making them. 2,138,809; Nov. 29.
Reinitz, Bernard B., assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Sheathing electric cables. 2,138,614; Nov. 29.
Remington Rand, Inc. (See Going, George R., assignor.)
Remington Rand Inc. (See Hart, F. W., and McGary, assignors.)
Republic Flow Meters Company. (See Grisdale, George W., assignor.)
Revertex Limited. (See Schweitzer, Otto Eduard, assignor.)
Rey, Emile J. F., Roanne, assignor to Papeteries Navarre, Lyon, France. Sorting machine. 2,138,645; Nov. 29.
Rheinmetall-Borsig Aktiengesellschaft. (See Figge, Wilhelm, assignor.)
Richards, Gerald R. (See Ekert, E. E., and Richards.)
Richards, Samuel H., Harpenden, England. Wire drawing machine. 2,138,327; Nov. 29.
Richardson, Daniel J., Onondaga County, N. Y. Display device. 2,138,429; Nov. 29.
Richter, George A., assignor to Brown Company, Berlin, N. H. Preparation of viscose sirup. 2,138,014; Nov. 29.
Richter, George A., Berlin, and D. H. McMurtrie, Gorham, assignors to Brown Company, Berlin, N. H. Conditioning of wood pulp for nitration. 2,138,283; Nov. 29.
Richter, Hans. (See Pressler, H., and Richter.)
Rigby, George W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose esters of organic sulphonic acids and preparation thereof. 2,138,778; Nov. 29.
Rike, Richard C. (See Rasmussen, O., and Rike.)
Ringler, William A., Wayne, Pa., assignor to National Folding Box Company, New Haven, Conn. Display carton. 2,138,460; Nov. 29.
Robbins, Walter C., Bridgeport, Conn., assignor to F. P. Scully, Cambridge, Mass., and H. B. Curtis, Bridgeport, Conn., as trustees. Shock absorber. 2,138,511; Nov. 29.
Roberts, Ovid E., Jr., Washington, D. C. Synthesis of ammonia. 2,138,122; Nov. 29.
Roberts, William T. B., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 2,138,308; Nov. 29.
Robertson, Robert R., Chicago, assignor to The Translode Joint Company, Chicago Heights, Ill. Road joint end seal. 2,138,615; Nov. 29.
Robinson, James, assignor to British Radiostat Corporation, Limited, London, England. Selective receiver for wave signals. 2,138,042; Nov. 29.
Robinson, James, London, England. Wireless and like receiver. 2,138,746; Nov. 29.
Robinson, James, Mill Hill, London, England. Receiver for wave signals. 2,138,747; Nov. 29.
Rodman, Thomas E. (See Overmier, E., Bates, and Rodman.)
Rodrigues, Octavius V., Passaic, N. J., assignor to Magazine Repeating Razor Company, New York, N. Y. Razor. 2,138,353; Nov. 29.
Roebling, Donald, Clearwater, Fla. Boat propulsion. 2,138,207; Nov. 29.
Rogers, Clifford R., Oak Park, Ill., assignor to International Harvester Company. Drawbar structure. 2,138,512; Nov. 29.

Rogers, Clifford W. (See Doll, J. L., and Rogers.)
Rohlin, Victor A., assignor to Cochrane Corporation, Philadelphia, Pa. Apparatus for heating and deaerating water. 2,138,354; Nov. 29.
Rohwer, Ferdinand C., Elkhorn, Nebr. Hay sweep. 2,138,711; Nov. 29.
Ronk, George T., Lanark, Ill. Road and railway car. 2,138,043; Nov. 29.
Rosen, Oscar E., Detroit, Mich. Duplicating machine. 2,138,208; Nov. 29.
Rossman, Edwin F., and F. D. Funston, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Shock absorber. 2,138,513; Nov. 29.
Roth Rubber Company. (See Flemming, Charles F., assignor.)
Rowe, Raymond N., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Flush panel mounting for electrical devices. 2,138,408; Nov. 29.
Rudd, Harold H., assignor, by mesne assignments, to Railway & Industrial Engineering Company, Greensburg, Pa. Current indicator. 2,138,430; Nov. 29.
Rumford Chemical Works. (See Fiske, Augustus H., assignor.)
Rupe, Enrico, New York, N. Y. Hat form. 2,138,616; Nov. 29.
Rutan, Virginia K., et al. (See Kiesel, William F., Jr., assignor.)
Ryan Coffee Corporation. (See Ryan, W. M., and Bold, assignors.)
Ryan, William M., and J. W. Bold, assignors to Ryan Coffee Corporation, Brooklyn, N. Y. Apparatus for filling containers under gas. 2,138,355; Nov. 29.
Ryan, William M., and J. W. Bold, assignors to Ryan Coffee Corporation, Brooklyn, N. Y. Weighing and filling apparatus and method. 2,138,356; Nov. 29.
S. P. O. Incorporated. (See Spikerman, F. T., and Oyster, assignors.)
Saddington, Arthur W., and A. P. Julien, Syracuse, assignors to The Solvay Process Company, New York, N. Y. Dialysis of aqueous caustic solutions. 2,138,357; Nov. 29.
Saegebarth, Erich. (See Terres, E., Moos, and Saegebarth.)
Saegebarth, Erich, Long Island City, N. Y., assignor to Edeleanu Gesellschaft, m. b. H. Solvent refining of hydrocarbon oils. 2,138,772; Nov. 29.
Saffert, Paul, Wolfen, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Manufacture of sponge articles. 2,138,712; Nov. 29.
Saint-Jacques, Eugène C., Paris, France. Propeller and like rotary member. 2,138,072; Nov. 29.
Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Perforate package structure. 2,138,358; Nov. 29.
Salter, John W., Kent, assignor to The Lamson & Sessions Company, Cleveland, Ohio. Clinch nut. 2,138,409; Nov. 29.
Sangamo Electric Company. (See Lanphier, Charles H., assignor.)
Sargent, Edward M., Oakland, Calif. Static elimination circuit. 2,138,123; Nov. 29.
Sargent, Frank P., Detroit, Mich., assignor to The Bassick Company, Bridgeport, Conn. Hood catch and bracket therefor. 2,138,044; Nov. 29.
Scharr, Walter P., Berlin-Lankwitz, Germany, assignor to International Business Machines Corporation, New York, N. Y. Paper feeding device. 2,138,646; Nov. 29.
Schellenger, Newton C., assignor to Chicago Telephone Supply Co., Elkhart, Ind. Control device. 2,138,210; Nov. 29.
Schmidt, John H., Bloomfield, N. J., assignor to Bakelite Corporation, New York, N. Y. Composition suitable for dentures and preparing same. 2,138,795; Nov. 29.
Schnabel, Dr., & Co., Komm.-Ges., et al. (See Vohrer, Herbert, assignor.)
Schneider, George. (See Dreyfus, C., and Schneider.)
Schneider, Hermann. (See Straub, F., Pieth, and Schneider.)
Schneider, Wilhelm. (See Wilmanns, G., and Schneider.)
Schnell, William J., Berwyn, Ill. Radio tuning device. 2,138,328; Nov. 29.
Schnell, William N., Detroit, Mich. License plate frame. 2,138,124; Nov. 29.
Schnorf, Paul, Wiesli, Switzerland, assignor to Hercules Powder Company, Wilmington, Del. Protective coating. 2,138,211; Nov. 29.
Schofield, Earl L., assignor to Henney Motor Company, Freeport, Ill. Flower basket bracket for hearses. 2,138,647; Nov. 29.
Schultz, Paul I., and J. J. Pelouch, assignors to The United States Air Compressor Company, Cleveland, Ohio. Control valve. 2,138,125; Nov. 29.
Schultz, William O., South Milwaukee, and A. G. Steinmayer, Milwaukee, assignors to Line Material Company, South Milwaukee, Wis. Fuse construction. 2,138,255; Nov. 29.
Schuyler, Wilton S., Springfield, Ohio. Filtering funnel. 2,138,256; Nov. 29.
Schweitzer, Edmund O., Jr., Northbrook, Ill. Circuit breaker. 2,138,284; Nov. 29.
Schweitzer, Otto E., Hochst-on-the-Main, Germany, assignor, by mesne assignments, to Revertex Limited, London, England. Concentrating or enriching rubber latex. 2,138,073; Nov. 29.
Scofield, Theodore J. (See Seeley, S. W., and Scofield.)

Scofield, Theodore J., assignor to The Sparks-Withington Company, Jackson, Mich. Windshield cleaner motor. 2,138,212; Nov. 29.

Scott, Ashton T. (See Ayres, A. U., and Scott.)

Scott, Samuel S. (See Crecca, J. D., and Scott.)

Scott, William M., Jr., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Electrical conductor. 2,138,617; Nov. 29.

Scott & Williams, Incorporated. (See Grothey, Ivan W., assignor.)

Scully, Frank P., et al., trustees. (See Robbins, Walter C., assignor.)

Sears, Roebuck and Co. (See Wann, Richard H., assignor.)

Security Engineering Co. (See Armentrout, A. L., and Hall, assignors.)

Seeberger, Fred B., Yeadon, assignor to Pecora Paint Company, Philadelphia, Pa. Ratchet mechanism. 2,138,045; Nov. 29.

Seeley, Stuart W., and T. J. Scofield, Jackson, Mich., assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Selective tuning system. 2,138,209; Nov. 29.

Seidel, Alex, assignor to Mauser-Werke A.-G., Oberndorf-on-the-Neckar, Germany. Fire arm. 2,138,213; Nov. 29.

Sell, William C. (See Clark, H. G., and Sell.)

Seney, John M. (See Truitt, Shelly, assignor.)

Servel, Inc. (See Bäckström, Sigurd M., assignor.)

Seyerle, Wilhelm, Waldenbronn, near Esslingen-on-the-Neckar, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Internal combustion engine for motor cars. 2,138,618; Nov. 29.

Sharples Specialty Company. (See Ayres, Arthur U., assignor.)

Sharples Specialty Company, The. (See Ayres, A. U., and Scott, assignors.)

Sharples Specialty Company, The. (See Jones, Leo D., assignor.)

Shering-Kahlbaum A. G. (See Diedrich, Paul, assignor.)

Sherlin, Edward C., Fort Payne, Ala., and W. Larkin, Norristown, Pa., assignors to Fidelity Machine Company, Wilmington, Del. Attachment for knitting machines. 2,138,748; Nov. 29.

Sherman, Donald W., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Fifth wheel. 2,138,679; Nov. 29.

Shiffler, William H., and P. S. Danner, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Production of precipitated sulphur. 2,138,214; Nov. 29.

Shiffler, William H., and M. M. Holm, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Producing sulphur compounds. 2,138,215; Nov. 29.

Shoemaker, William, assignor to Decometal Incorporated, Dayton, Ky. Catch. 2,138,514; Nov. 29.

Short, John F. (See Langwell, H., Maddocks, and Short.)

Shortell, Albert V., Manchester, N. H. Apparatus for blacking the edges of soles for shoes. 2,138,515; Nov. 29.

Sibley, Robert L., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Insecticidal composition. 2,138,516; Nov. 29.

Siemens & Halske, Aktiengesellschaft. (See Geyger, Wilhelm, assignor.)

Siemens & Halske Aktiengesellschaft. (See Siepke, Otto, assignor.)

Siepke, Otto, Berlin-Staaken, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Indicating device. 2,138,359; Nov. 29.

Sieveking, Martinus, New York, N. Y. Piano-action Spring. 2,138,517; Nov. 29.

Sievers, Albert J., Jr., Oakland, assignor of one-third to E. W. Oliver, Piedmont, and one-third to P. E. Gooch, Oakland, Calif. Grinding tool. 2,138,257; Nov. 29.

Sievers, Albert J., Jr., Oakland, assignor of one-third to E. W. Oliver, Piedmont, and one-third to P. E. Gooch, Oakland, Calif. Crank shaft grinding apparatus. 2,138,258; Nov. 29.

Siewert, Edwin, Wausau, assignor to Marathon Paper Mills Company, Rothschild, Wis. Carton. 2,138,680; Nov. 29.

Singer Manufacturing Company, The. (See Fleckenstein, George A., assignor.)

Singer Manufacturing Company, The. (See Wood, Alfred R., assignor.)

Skudies, Viktor, Munich, Germany. Hand harmonica. 2,138,749; Nov. 29.

Smith, Arthur C., San Bernardino, assignor of one-sixth to R. E. White, San Francisco, Calif. Slug eliminator for vending machines. 2,138,055; Nov. 29.

Smith, A. O., Corporation. (See Meyer, Albert W., assignor.)

Smith, A. O., Corporation. (See Sherman, Donald W., assignor.)

Smith, Arthur M., trustee. (See Nicholas, Andrew J., assignor.)

Smith, Charles G., Medford, assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass. Gaseous conduction apparatus. 2,138,518; Nov. 29.

Smith, David C., assignor to himself and O. S. Brumback, Toledo, Ohio. Adjustable clamping tool. 2,138,245; Nov. 29.

Smith, Frank H., New York, N. Y., and H. A. Stringfellow, St. Thomas, Ontario, Canada. Method of and apparatus for drawing wire. 2,138,126; Nov. 29.

Smith, George R., assignor to C. V. S. Manufacturing Company, Flint, Mich. Spark plug. 2,138,558; Nov. 29.

Smith, Gilbert, Fayetteville, W. Va. Mine loading apparatus. 2,138,750; Nov. 29.

Smith's, John E., Sons Company. (See Van Hooydonk, Adrian C., assignor.)

Smith Welding Equipment Corporation. (See Andrus, N. L., and Ganyaw, assignors.)

Snelling, Nicholas, Jackson Heights, Long Island, N. Y. Basket display. 2,138,360; Nov. 29.

Snelling, Nicholas, Jackson Heights, Long Island, N. Y. Marking and display device. 2,138,361; Nov. 29.

Snow, Herbert C., et al. (See Dooley, Delmar D., assignor.)

Société Anonyme des Hauts Fourneaux et Fonderies de Pont-a-Mousson. (See Boucher, Jacques, assignor.)

Société Anonyme: Forge et Usinage de Métaux Légers (Hélices Metalliques Chauviére). (See Chauviére, Lucien E., assignor.)

Society of Chemical Industry in Basle. (See Straub, F., Pieth, and Schneider, assignors.)

Socony-Vacuum Oil Company. (See Reiff, O. M., and Badertscher, assignors.)

Solvay Process Company, The. (See Beekhuis, Herman A., Jr., assignor.)

Solvay Process Company, The. (See Law, R. M., and Britton, assignors.)

Solvay Process Company, The. (See Saddington, A. W., and Julien, assignors.)

Sorg, William A., La Crosse, Wis. Oil burner. 2,138,246; Nov. 29.

South Bend Lathe Works. (See O'Brien, John J. and M. W., assignors.)

Sparks-Withington Company, The. (See Scofield, Theodore J., assignor.)

Sparrow, Hubert T., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Fuel burner control system. 2,138,796; Nov. 29.

Speidel Corporation. (See Carlson, Edwin G., assignor.)

Speidel Corporation. (See Fassnacht, Karl, assignor.)

Spencer Lens Company. (See Ott, Harvey N., assignor.)

Spengler, Walter J., Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Magneto generator. 2,138,681; Nov. 29.

Sperry, Philmore F., assignor to Excel Auto Radiator Company, Chicago, Ill. Heating apparatus. 2,138,259; Nov. 29.

Spiegl, Ellis H., Salinas, Calif. Produce-handling apparatus. 2,138,285; Nov. 29.

Spikerman, Frank T., Clinton, and E. F. Oyster, Shaker Heights, assignors to S. P. O. Incorporated, Cleveland, Ohio. Molding machine. 2,138,410; Nov. 29.

Sprigings, David A., assignor to Standard Container, Inc., Bloomfield, N. J. Spool. 2,138,074; Nov. 29.

Squibb, E. R., & Sons. (See Nitardy, Ferdinand W., assignor.)

Squires, John, Hagerstown, Md., assignor to United Aircraft Corporation, East Hartford, Conn. Propeller making. 2,138,127; Nov. 29.

Staley, A. E., Manufacturing Company. (See Greenfield, Robert E., assignor.)

Standard Brands Incorporated. (See Hewitt, Harry, assignor.)

Standard Container, Inc. (See Sprigings, David A., assignor.)

Standard Mailing Machine Company. (See Storck, Frederick W., assignor.)

Standard Oil Company of California. (See Hampton, W. H., and Doell, assignors.)

Standard Oil Company of California. (See Shiffler, W. H., and Danner, assignors.)

Standard Oil Company of California. (See Shiffler, W. H., and Holm, assignors.)

Standard Stoker Company, Inc. (1922), The. (See Turner, Edwin A., assignor.)

Stankey, Oscar, East St. Louis, Ill. Rotary speed alarm. 2,138,648; Nov. 29.

Steigerwald, Christian. (See Koeberle, K., and Steigerwald.)

Steiner Sales Company. (See Grunwald, Albert C., assignor.)

Steinlein, Gustav, and L. Bruckmoser, Forsthaus, Mainberg, near Schweinfurt, Schweinfurt, Germany. Freewheel brake hub driven by a motor mounted in the driving wheel. 2,138,619; Nov. 29.

Steinmayer, Alwin G. (See Schultz, W. O., and Steinmayer.)

Steven, George. (See Feldbush, H. A., and Steven.)

Stevenson, John T., Hendon, London, England. Identification device for keys. 2,138,309; Nov. 29.

Stevenson, Robert E. (See Weesner, Walker J., assignor.)

Stewart, Clyde E., Upper Darby, Pa., assignor to General Electric Company. Telemetering system and apparatus. 2,138,668; Nov. 29.

Stiner, Edgar F., New York, N. Y. Lace fringe and manufacturing the same. 2,138,431; Nov. 29.

Stiner, Edgar F., New York, N. Y. Lace curtain and manufacturing the same. 2,138,432; Nov. 29.

Storck, Frederick W., Arlington, assignor to Standard Mailing Machines Company, Everett, Mass. Sheet margin stop for duplicators. 2,138,682; Nov. 29.

Strange, Charles C., et al. (See Pilbiad, Eric J., assignor.)

Strange, Charles C., Port Richmond, Staten Island, N. Y., assignor of seventeen and one-half per cent to E. J. Pilbiad and seventeen and one-half per cent to B. Aaronson, Meriden, Conn., seventeen and one-half per cent to A. J. McIntosh, seventeen and one-half per cent to A. L. Barach, and twelve and one-half per cent to E. J. Barach, New York, N. Y. Vulcanizing device. 2,138,620; Nov. 29.

Straub, Fritz, and P. Pieth, Basel, and H. Schneider, Riehen, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Diazo compounds and making same. 2,138,559; Nov. 29.

Straubel, Ernest T., Green Bay, Wis. Expanding collar. 2,138,329; Nov. 29.

Stringfellow, Henry A. (See Smith, F. H., and Stringfellow.)

Stuart, Kimberly, Neenah, Wis. Pie plate handling method and apparatus. 2,138,560; Nov. 29.

Submarine Signal Company. (See Kunze, Willy, assignor.)

Submarine Signal Company. (See Williams, Robert L., assignor.)

Sullivan, Francis D., Memphis, Tenn. Solidifying soil. 2,138,713; Nov. 29.

Sundén, Karl H., Lindesberg, Sweden. Caster. 2,138,433; Nov. 29.

Sunderland, Alfred E., Asheville, assignor to America Enka Corporation, Enka, N. C. After treatment of packages of spool spun silk. 2,138,216; Nov. 29.

Sundstrom, Gabriel E., assignor to Sundstrom Pressed Steel Co., Chicago, Ill. Loudspeaker. 2,138,461; Nov. 29.

Sundstrom Pressed Steel Co. (See Sundstrom, Gabriel E., assignor.)

Sun-Maid Raisin Growers of California. (See Kilner, Louis, assignor.)

Sutter, Roser B., Newark, N. J. Electrical heating system. 2,138,217; Nov. 29.

Svenson, Ogden, Strathclair, Manitoba, Canada. Pressure responsive resistance device. 2,138,310; Nov. 29.

Swartzwelder, William E., Cumberland, Md. Valve. 2,138,714; Nov. 29.

Synchro Devices, Incorporated. (See Doll, J. L., and Rogers, assignors.)

Tabb, Oscar C., Waco, Tex., assignor to Crawford-Austin Manufacturing Co. Tensioned awning. 2,138,219; Nov. 29.

Tanner, Walton B., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cyanide manufacture. 2,138,519; Nov. 29.

Tatosian, Martin, Chicago, Ill. Pie die. 2,138,247; Nov. 29.

Tatton, William A., and L. S. J. Thompson, Leek, England. Device for circulating liquids and for reversing the direction of flow thereof. 2,138,080; Nov. 29.

Taylor, Arnold N., and N. P. Worden, assignors to C. M. Hall Lamp Company, Detroit, Mich. Lighting unit mounting. 2,138,075; Nov. 29.

Taylor, Arnold N., and N. P. Worden, assignors to C. M. Hall Lamp Company, Detroit, Mich. Lighting unit mounting. 2,138,076; Nov. 29.

Taylor, Arnold N., and N. P. Worden, assignors to C. M. Hall Lamp Company, Detroit, Mich. Lighting unit mounting. 2,138,077; Nov. 29.

Taylor, Arnold N., and N. P. Worden, assignors to C. M. Hall Lamp Company, Detroit, Mich. Lighting unit mounting. 2,138,078; Nov. 29.

Taylor, Arnold N., and N. P. Worden, assignors to C. M. Hall Lamp Company, Detroit, Mich. Lighting unit mounting. 2,138,079; Nov. 29.

Taylor, Charles H., Toronto, Ontario, Canada. Apparatus for compressing air. 2,138,248; Nov. 29.

Taylor, Russell C., Greenwich, Conn., assignor to American Can Company, New York, N. Y. Liquid dispensing device. 2,138,046; Nov. 29.

Techno Chemie Kommanditgesellschaft Kessler & Co., et al. (See Vohrer, Herbert, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Bruckner, Richard, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Gothe, Albrecht, assignor.)

Ternstedt Manufacturing Company. (See Flynn, John B., assignor.)

Terres, Ernst, Berlin, Germany, J. Moos, New York, and E. Saegebarth, Jackson Heights, N. Y., assignors to Edeleanu Gesellschaft m. b. H. Refining hydrocarbon oils by means of benzol derivatives. 2,138,773; Nov. 29.

Texas Company, The. (See Eastman, Du Bois, assignor.)

Texas Company, The. (See Pevere, Ernest F., assignor.)

Texas Company, The. (See Towne, Charles C., assignor.)

Thermoid Company. (See Hall, William H., Jr., assignor.)

Thermopane Company. (See Haven, Charles D., assignor.)

Thermo-Plastics, Inc. (See Reid, James S., assignor.)

Thomas, Charles A., and C. A. Hochwalt, Dayton, Ohio, assignors, by mesne assignments, to Monsanto Chemical Company, St. Louis, Mo. Fermentation process and product. 2,138,434; Nov. 29.

Thomas, Charles A., and C. A. Hochwalt, Dayton, Ohio, assignors, by mesne assignments, to Monsanto Chemical Company, St. Louis, Mo. Fermentation process and product. 2,138,435; Nov. 29.

Thompson, Charles S., Elmhurst, assignor to Union Special Machine Company, Chicago, Ill. Thread controller for sewing machines. 2,138,774; Nov. 29.

Thompson, Harold E., Gordon, Nebr. Radio frequency coil. 2,138,330; Nov. 29.

Thompson, Harry E., Providence, R. I., assignor to Anaconda Wire & Cable Company, New York, N. Y. Electric cable and making same. 2,138,362; Nov. 29.

Thompson, John W., Clanton, Ala. Tractor. 2,138,311; Nov. 29.

Thompson, Luther S. J. (See Tatton, W. A., and Thompson.)

Thompson, Oscar T., Neenah, Wis., assignor to International Cellucotton Products Company, Chicago, Ill. Apparatus for making sanitary napkins. 2,138,587; Nov. 29.

Thorsen, Kristen A., Grenoble, Isere, France, assignor to Paper & Industrial Appliances Inc., New York, N. Y. Apparatus for treating paper pulp and the like. 2,138,715; Nov. 29.

Thys, Edouard, San Francisco, Calif. Hop separator. 2,138,529; Nov. 29.

Tokheim Oil Tank and Pump Company. (See Bechtold, Reuben E., assignor.)

Törnebohm, Hilding Valdemar, assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden. Determining the surface characteristics of work pieces. 2,138,411; Nov. 29.

Tower, Herschel E., assignor to The Baldwin Company, Cincinnati, Ohio. Tone deflector for grand pianos. 2,138,669; Nov. 29.

Towne, Charles C., Beacon, assignor to The Texas Company, New York, N. Y. Synthetic oil. 2,138,775; Nov. 29.

Trabold, Frank W., Detroit, Mich. Apparatus for preparing meat products. 2,138,260; Nov. 29.

Trabold, Frank W., Detroit, Mich. Shaping food products. 2,138,462; Nov. 29.

Transit Research Corporation. (See Piron, Emil H., assignor.)

Translode Joint Company, The. (See Robertson, Robert R., assignor.)

Trefz, Julius J., Evanston, and O. Kaspar, Chicago, Ill. Pressure control device. 2,138,412; Nov. 29.

Trico-Folberth Limited. (See Jablonsky, Bruno, assignor.)

Trico Products Corporation. (See Horton, Erwin C., assignor.)

Triller, Benjamin J., Dubuque, Iowa. Window construction and installing the same. 2,138,312; Nov. 29.

Triner, James M., assignor to Triner Scale & Manufacturing Company, Chicago, Ill. Scale. 2,138,261; Nov. 29.

Triner Scale & Manufacturing Company. (See Triner, James M., assignor.)

Trösken, Otto. (See Münz, F., Keller, and Trösken.)

Troyer, Edward R., Goshen, Ind. Animal poke. 2,138,561; Nov. 29.

Truitt, Shelly, assignor to J. M. Seney, Baltimore, Md. Bread crumbing machine. 2,138,716; Nov. 29.

Trumbull Electric Manufacturing Company, The. (See Getchell, Benjamin E., assignor.)

Trumbull Electric Manufacturing Company, The. (See Rowe, Raymond N., assignor.)

Trumpler, William E., Easton, Pa. Internal combustion turbine. 2,138,220; Nov. 29.

Turek, Frank S., Yonkers, N. Y., assignor to Interchemical Corporation. Preparing phthalocyanine pigments. 2,138,413; Nov. 29.

Turner, Edwin A., assignor by mesne assignments, to The Standard Stoker Company, Inc. (1922), New York, N. Y. Locomotive stoker. 2,138,363; Nov. 29.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle for automatic looms. 2,138,221; Nov. 29.

Turner, Russell J., Butler, Pa., assignor to Acme Protection Equipment Company. Press for molding articles. 2,138,047; Nov. 29.

Udy, Marvin J., Niagara Falls, N. Y., assignor to Monsanto Chemical Company. Manufacture of iron. 2,138,797; Nov. 29.

Ulrich, Charles B., Jamestown, N. Y. Rifle block. 2,138,313; Nov. 29.

Underpinning & Foundation Co. (See Raisch, William, assignor.)

Underwood, Howard C., New York, N. Y. Folding collar corners. 2,138,222; Nov. 29.

Union Bag & Paper Corporation. (See Avery, True M., assignor.)

Union Carbide and Carbon Corporation. (See Young, Lloyd W., assignor.)

Union Special Machine Company. (See Le Vesconte, Harold J., assignor.)

Union Special Machine Company. (See Thompson, Charles S., assignor.)

United Aircraft Corporation. (See Caldwell, Frank W., assignor.)

United Aircraft Corporation. (See Squires, John, assignor.)

United Shoe Machinery Corporation. (See Butler, Ernest L., assignor.)

United Shoe Machinery Corporation. (See Fromm, Otto W., assignor.)
United Shoe Machinery Corporation. (See Gouldbourn, J., and Kestell, assignors.)
United Shoe Machinery Corporation. (See Holmgren, Eric A., assignor.)
United Shoe Machinery Corporation. (See Lindblad, Axel E., assignor.)
United Shoe Machinery Corporation. (See Roberts, William T. B., assignor.)
United States Air Compressor Company, The. (See Schultz, P. I., and Pelouch, assignors.)
United States Rubber Products, Inc. (See Keys, Walter C., assignor.)
Universal Cooler Corporation. (See Higham, W. W., and Morse, assignors.)
Universal Oil Products Company. (See Benedict, Wayne L., assignor.)
Upton, Charles B., Piqua, Ohio. Press cage construction. 2,138,670; Nov. 29.
Urschel, Joe R. (See Urschel, William E. and J. R.)
Urschel, William E. and J. R., Valparaiso, Ind. Cutting machine. 2,138,262; Nov. 29.
Valley Mould & Iron Corporation. (See Ramsey, George, assignor.)
Van Cleave, Edwin E., and A. Wiedenbauer, Chicago, Ill. Hydraulic brake for railway cars. 2,138,263; Nov. 29.
Van Derveer, Clarence A., assignor to S. Karpen & Bros., Chicago, Ill. Seat back. 2,138,314; Nov. 29.
Van Hooydonk, Adrian C., assignor to John E. Smith's Sons Company, Buffalo, N. Y. Meat mixing machine. 2,138,798; Nov. 29.
Vannucci, Pilade L., San Jose, Calif. Can aligner. 2,138,390; Nov. 29.
Van Sickle, Roswell C., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,138,391; Nov. 29.
Vapor Car Heating Company. (See Parks, Paul B., assignor.)
Veeder-Root Incorporated. (See Wild, Edward, assignor.)
Vereinigte Chemische Fabrieken zu Leopoldshall. (See Fink, C. G., and Deren, assignors.)
Vesce, Vincent, Forest Hills, Long Island, assignor to Harmon Color Works, Inc., Brooklyn, N. Y. Making dry, free-running pigment powders. 2,138,048; Nov. 29.
Vesce, Vincent C., New York, assignor to Harmon Color Works, Inc., Brooklyn, N. Y. Drying pigments. 2,138,049; Nov. 29.
Viber Company. (See Jorgensen, Enoch B., assignor.)
Vickers, Harry F., Detroit, Mich. Hydraulic power transmission and control. 2,138,050; Nov. 29.
Vincent, Jesse G., Grosse Pointe, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,138,463; Nov. 29.
Vint, Wyndham T. (See Parkinson, E. H., Gardner, and Vint.)
Vissac, Gustave A., Calgary, Alberta, Canada. Pulsating jig. 2,138,315; Nov. 29.
Vohrer, Herbert, assignor to the firms Techno Chemie Kommanditgesellschaft Kessler & Co., Berlin, and Dr. Schnabel & Co., Komm.- Ges., Berlin-Neukolln, Germany. Production of elastic objects from polyvinyl alcohol. 2,138,751; Nov. 29.
Volk, Joseph A., St. Louis, Mo. Speaker baffle ball. 2,138,717; Nov. 29.
Voorhees, Ralph S., Jr., Rochester, N. Y. Dental operating unit. 2,138,563; Nov. 29.
Wagner, George, Detroit, Mich. Valve and mounting therefor. 2,138,530; Nov. 29.
Wagner, Max, Stuttgart, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Connecting the frame with the axles of vehicles. 2,138,438; Nov. 29.
Walker, Charles R., assignor to Abrasive Products, Inc., South Braintree, Mass. Mineral fusion product and making same. 2,138,799; Nov. 29.
Walker, James D., Butler, Pa. Dumping buggy. 2,138,562; Nov. 29.
Wall, John A., East Nashville, Tenn. Burgler alarm. 2,138,316; Nov. 29.
Wallace, Jeffrey J., assignor to Gullett Gin Company, Amite, La. Cotton huller. 2,138,436; Nov. 29.
Wallace, Jeffrey J., assignor to Gullett Gin Company, Amite, La. Huller rib. 2,138,437; Nov. 29.
Walton, Alfred B., Kenmore, assignor to Certain-Teed Products Corporation, New York, N. Y. Covering element. 2,138,464; Nov. 29.
Walz, Richard F. (See Lemmon, W. S., Doty, Walz, and Holt.)
Wann, Richard H., assignor to Sears, Roebuck and Co., Chicago, Ill. Garment. 2,138,588; Nov. 29.
Ward, Ferrari P., Hartford, Conn., assignor to The Billings & Spencer Company. Ratchet wrench. 2,138,331; Nov. 29.
Warner, Arthur L., assignor to Illinois Iron & Bolt Company, Carpentersville, Ill. Work holder for mower sections. 2,138,264; Nov. 29.
Warth, Albin H., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Container closure and lining material therefor. 2,138,439; Nov. 29.
Wassell, William S., Philadelphia, Pa. Carton. 2,138,364; Nov. 29.
Wattson, Robert K., assignor to Kansas City Smelting Company, Kansas City, Mo. Metal toning and treating capsule. 2,138,286; Nov. 29.
Weber, Walter C., Painted Post, and E. H. Wellech, assignors to Corning Glass Works, Corning, N. Y. Coffee maker. 2,138,198; Nov. 29.
Weckert, Joseph, Cloquet, Minn. Ellipse or circle compass. 2,138,414; Nov. 29.
Weesner, Walker J., assignor of one-half to R. E. Stevenson, Indianapolis, Ind. Building wall construction. 2,138,683; Nov. 29.
Weingand, Richard, Bomlitz, near Walsrode, Germany. Article of manufacture. 2,138,392; Nov. 29.
Weinlich, Hermann A., Berlin-Wilmersdorf, and K. H. Breinlinger, Berlin-Grunewald, Germany, assignors to International Business Machines Corporation, New York, N. Y. Repeat printing of items. 2,138,649; Nov. 29.
Weiss, Charles R., Indianapolis, Ind., assignor to Link-Belt Company. Furnace conveyer chain. 2,138,317; Nov. 29.
Wellech, Edmund H. (See Weber, W. C., and Wellech.)
Wendel, Frans B., Long Island City, N. Y. Making metal fittings and the like. 2,138,199; Nov. 29.
Western Electric Company. (See Brofos, Einar A., assignor.)
Western Union Telegraph Company, The. (See Hamlett, Robert T., assignor.)
Westinghouse Electric & Manufacturing Company. (See Leeds, W. M., and Ortensi, assignors.)
Westinghouse Electric & Manufacturing Company. (See Van Sickle, Roswell C., assignor.)
Wheaton, A. W., Brass Works, Inc. (See Ehlers, Carl H., assignor.)
Wheeler, John W., Southend-on-Sea, England. Bottle or container of paper, wood pulp, or the like. 2,138,718; Nov. 29.
Wheeling Steel Corporation. (See Conner, Guy O., assignor.)
White, Albert F., Toronto, Ontario, Canada. Continuous conveyer. 2,138,671; Nov. 29.
White, Frank F., Scotia, N. Y., assignor to General Electric Company. Pulverizing cemented carbides. 2,138,672; Nov. 29.
White, Ruth E. (See Smith, Arthur C., assignor.)
White, Stamford, Greenwich, Conn. Burner. 2,138,128; Nov. 29.
Whitehead, William. (See Dreyfus, C., and Whitehead.)
Whitehouse, John N., Camden, N. J. Fountain pen. 2,138,650; Nov. 29.
Whitmire, William A., Boca, Calif. Mucking machine and conveyer system. 2,138,200; Nov. 29.
Whittaker, William A., Dobbs Ferry, assignor to Anaconda Wire & Cable Company, New York, N. Y. Wire drawing method and apparatus. 2,138,201; Nov. 29.
Wichtendahl, Rudolf, Hanover, Germany. Friction clutch. 2,138,393; Nov. 29.
Wickizer, Gilbert S. (See Beverage, H. H., Carter, and Wickizer.)
Wide World Photos, Inc. (See Cooley, Austin G., assignor.)
Wide World Photos, Inc. (See Cooley, A. G., and Dillenback, assignors.)
Wiedenbauer, Alois. (See Van Cleave, E. E., and Wiedenbauer.)
Wikstrom, Oskar W. (See Macdonald, Kenneth W., assignor.)
Wilcox, William D., Pekin, Ill. Producing carbon black from hydrocarbon gases. 2,138,249; Nov. 29.
Wild, Edward, assignor to Veeder-Root Incorporated, Hartford, Conn. Registering and recording mechanism. 2,138,480; Nov. 29.
Willers, Carl J. W., Brooklyn, assignor of one-half to F. J. Bradley, St. Albans, N. Y. Register with preset printing mechanism. 2,138,287; Nov. 29.
Williams Oil-O-Matic Heating Corporation. (See Zellhoefer, Glenn F., assignor.)
Williams, Robert L., Newton, assignor to Submarine Signal Company, Boston, Mass. Treating liquids. 2,138,051; Nov. 29.
Williams, Robert L., Newton, assignor to Submarine Signal Company, Boston, Mass. Liquid treating apparatus. 2,138,052; Nov. 29.
Willis, Elijah J., Morehead City, assignor of one-half to J. B. Frizzelle, Snow Hill, N. C. Can opening device. 2,138,318; Nov. 29.
Wilmanns, Gustav, Wolfen Kreis Bitterfeld, and W. Schneider, Dessau, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Polymethine dyes. 2,138,223; Nov. 29.
Wilson, Albert A., New York, N. Y. Culotte garment. 2,138,365; Nov. 29.
Wilson & Company. (See Gaarder, Herbert M., assignor.)
Wilson, James H. (See Buzzard, R. W., and Wilson.)
Wilson, John L. (See Halvorson, H. O., Bayliss, and Wilson.)
Wilson, John L. (See Halvorson, H. O., and Wilson, and Ordal.)
Wilt, Elmer E., Chicago, Ill. Suitcase. 2,138,202; Nov. 29.

Winthrop Chemical Company. (See Saffert, Paul, assignor.)
Wise, Arthur G., C. W. Mapes, and W. A. Chryst, Dayton, Ohio, and H. O. Fuchs, assignors to General Motors Corporation, Detroit, Mich. Spinner motor. 2,138,531; Nov. 29.
Wobensmith, James C., Philadelphia, Pa. Cryptographic device. 2,138,532; Nov. 29.
Wolf, Eugene G., assignor to Landis Machine Company, St. Louis, Mo. Shoe repairer's jack. 2,138,265; Nov. 29.
Wolf, Hans, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Production of sponge rubber from aqueous rubber dispersions. 2,138,081; Nov. 29.
Wolfram, William S. (See Hunt, G., and Wolfram.)
Wolfram, William S., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Clutch. 2,138,129; Nov. 29.
Wolverine Supply and Manufacturing Company. (See Hipwell, Harry T., assignor.)
Wood, Alfred R., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Punch mechanism for buttonhole-type sewing machines. 2,138,776; Nov. 29.
Wood, Charles E., Milwaukee, Wis. Hydraulic sizer. 2,138,810; Nov. 29.
Wood, John, Manufacturing Company. (See Brouse, William H. D., assignor.)
Wood-Mosaic Co. (See Birtles, Arthur B., assignor.)
Wood, Orville T. (See Officer, W. J., and Wood.)
Woodard, William E., Forest Hills, N. Y. Valve motion mechanism for locomotive engines. 2,138,053; Nov. 29.
Woodstock Typewriter Company. (See Koca, James F., assignor.)
Worden, Norbert P. (See Taylor, A. N., and Worden.)
Worden, Norbert P., assignor to C. C. Hall Lamp Company, Detroit, Mich. Vehicle lamp and mounting for the same. 2,138,082; Nov. 29.
Worden, Norbert P., and H. S. Pedersen, assignors to C. M. Hall Lamp Company, Detroit, Mich. Lamp structure. 2,138,083; Nov. 29.
Worthington Pump and Machinery Corporation. (See Feldbush, H. A., and Steven, assignors.)
Wright, Charles B. (See Wright, Charles B., assignor.)
Wright, Charles B., assignor of one-half to C. B. Wright, McFaddin, Tex. Blow-out preventer. 2,138,719; Nov. 29.
Wright, Horace C., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Sadiron sole plate and method of making. 2,138,720; Nov. 29.
Wrigley, Philip K., assignor to Wm. Wrigley, Jr. Company, Chicago, Ill. Display and dispensing box. 2,138,580; Nov. 29.
Wrigley, Wm., Jr., Company. (See Wrigley, Philip K., assignor.)
Wundrack, Otto, Chicago, Ill. Oven construction. 2,138,465; Nov. 29.
Wuppermann, Wilhelm, Berlin-Zehlendorf, Germany. Apparatus for manufacturing rayon. 2,138,394; Nov. 29.
Yankee Metal Products Corp. (See Putterman, B., and Reed, assignors.)
"Yard-Man", Inc. (See Funk, Truman B., assignor.)
Young, Dubois, et al. (See Nelson, Emil A., assignor.)
Young, Lloyd W., Buffalo, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Torch. 2,138,800; Nov. 29.
Young, Lloyd W., Elizabeth, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Centrifugal switch. 2,138,801; Nov. 29.
Young, Randall B., Akron, Ohio. Garment clasp. 2,138,673; Nov. 29.
Youngman, Robert T., Aldershot, England. Mechanism for actuating the control surfaces of aircraft. 2,138,753; Nov. 29.
Zeiss Ikon Aktiengesellschaft. (See Dautzenberg, Paul, assignor.)
Zellhoefer, Glenn F., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Refrigeration. 2,138,777; Nov. 29.
Zuckerman, Adolph M., assignor to R. Hoe & Co. Inc., New York, N. Y. Folding mechanism for printing machines. 2,138,054; Nov. 29.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 29TH DAY OF NOVEMBER, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Air or the like, Apparatus and process for conditioning. E. Altenkirch. Re. 20,933; Nov. 29.
Check and rack, Key. A. Drummond. Re. 20,928; Nov. 29.
Chaser and chaser clamp. C. A. Reimschissel. Re. 20,930; Nov. 29.
Gases, Polymerization of. R. F. Ruthruff. Re. 20,931; Nov. 29.
Lens and making same. F. D. Kinney. Re. 20,929; Nov. 29.
Tobacco and the like, Art and apparatus for treating. F. S. Smith. Re. 20,932; Nov. 29.

LIST OF PLANT INVENTIONS

Rose. R. L. Byrum. 305; Nov. 29.
Tree, Peach. L. Maillochon and E. Mariaud. 306; Nov. 29.

LIST OF DESIGN INVENTIONS

Ashtray or the like. H. I. Sandquist. 112,380; Nov. 29.
Baby walker. S. A. Snell. 112,384; Nov. 29.
Book, Photo frame. G. Zumft. 112,415; Nov. 29.
Bottle. C. W. Monn. 112,373; Nov. 29.
Bottle. L. D. Soubier. 112,385; Nov. 29.
Bottle. G. F. Street, Jr. 112,387; Nov. 29.
Box, Display. J. G. Allen. 112,357; Nov. 29.
Brush back. G. Daelemans. 112,364; Nov. 29.
Candle drip catcher. H. W. Muller. 112,374; Nov. 29.
Carton, Dispensing. H. W. Muller. 112,411; Nov. 29.
Case, Piano. S. E. Zack. 112,352–3; Nov. 29.
Chair back. J. B. O'Connor. 112,348; Nov. 29.
Chair standard. W. H. Bond, Jr. 112,334; Nov. 29.
Chest or similar receptacle. L. A. Nelson. 112,375; Nov. 29.
Chute, Mail. R. Pryne. 112,378; Nov. 29.
Clock. J. I. Silvers. 112,383; Nov. 29.
Clothespin. R. G. Wood. 112,390; Nov. 29.
Container and serving tray, Combined cake. C. G. Nesbitt. 112,347; Nov. 29.
Container for fire extinguisher. G. W. Tammen. 112,388; Nov. 29.
Copying and projection apparatus, Combined photographic. R. S. Hopkins. 112,410; Nov. 29.
Cover and hood, Combined tractor radiator. H. Dreyfuss. 112,365; Nov. 29.
Cover, Broom. J. Cavallo. 112,361; Nov. 29.
Cover or similar article, Jar. A. Abrams. 112,354; Nov. 29.
Doll or similar article, Character. A. T. Cahill. 112,336; Nov. 29.
Drape for chapel tent. C. M. Wickstrum. 112,414; Nov. 29.
Dress. D. Crystal. 112,395; Nov. 29.
Dress. P. Fracchia. 112,396; Nov. 29.
Dress. M. B. Green. 112,367; Nov. 29.
Dress. A. E. Levy. 112,398–9; Nov. 29.
Dress, Combined evening and street. S. Chapman. 112,362–3; Nov. 29.
Fabric or similar article, Textile. J. W. H. Brooks. 112,335; Nov. 29.
Fabric or similar article, Textile. A. Hafner. 112,340; Nov. 29.
Fabric or similar article, Textile. M. Turpan. 112,349–51; Nov. 29.
Fabric, Textile. A. I. Beldoch. 112,359; Nov. 29.
Fabric, Textile. R. Berger. 112,392–4; Nov. 29.
Fabric, Textile. A. de Gérard. 112,404; Nov. 29.
Fabric, Textile. M. Guhl. 112,338–9; Nov. 29.
Frame, Picture. A. Golden. 112,409; Nov. 29.
Frame, Spectacle. E. M. Splaine. 112,386; Nov. 29.
Guard, Coin slide. L. M. Hall. 112,341; Nov. 29.
Hat. K. Schanzer. 112,413; Nov. 29.
Heel. K. B. Keyes. 112,343; Nov. 29.
Holder, Lip stick. I. Penn. 112,400; Nov. 29.
Jar. C. F. Sauer, Jr. 112,381; Nov. 29.
Lace. G. M. Boysen. 112,403; Nov. 29.
Lace. B. Edson. 112,405–7; Nov. 29.
Lamp and smoker's unit, Combination. H. Shulman. 112,382; Nov. 29.
Lamp, Attachable projection. H. P. Toppin. 112,389; Nov. 29.
Lamp, Electric glow. H. C. Zaun. 112,391; Nov. 29.
Lamp, Automobile signal. L. N. Franklin. 112,366; Nov. 29.
Lamp, Bed. L. Ludwig. 112,372; Nov. 29.
Mount, Photographic. E. Koudelka. 112,371; Nov. 29.
Mower, Power lawn. L. B. Roth. 112,379; Nov. 29.
Panel for automobile radio sets, Combined manual and automatic tuning. G. W. Bill. 112,360; Nov. 29.
Paper sheet or similar article. O. C. Goehring. 112,397; Nov. 29.
Pen or similar article, Fountain. A. N. Andrews. 112,401; Nov. 29.
Pineapple slice. H. H. Richards. 112,412; Nov. 29.
Punch, Container. A. C. Acker. 112,355; Nov. 29.
Sadiron or similar article. R. B. Paysee. 112,376–7; Nov. 29.
Shoe. J. L. Bitterman. 112,330–3; Nov. 29.
Shoe. B. F. Hartwell. 112,342; Nov. 29.
Shoe. A. W. Lutz. 112,344; Nov. 29.
Shoe or similar article. I. Berman. 112,328–9; Nov. 29.
Shoe or similar article. N. Elkin. 112,337; Nov. 29.
Shroud, Automobile exhaust. L. A. Koch. 112,370; Nov. 29.
Sock. C. L. Hynes. 112,368; Nov. 29.
Spray gun, Metal. F. O. Albertson. 112,356; Nov. 29.
Stand, Combination smoker's and reader's. I. Kain. 112,369; Nov. 29.
Tire. H. S. Mooradian. 112,346; Nov. 29.
Trailer house car body. D. D. Arehart. 112,358; Nov. 29.
Trousers. H. M. Birch. 112,402; Nov. 29.
Vestee. L. Glinn. 112,408; Nov. 29.
Watchcase. D. Megar. 112,345; Nov. 29.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 29TH DAY OF NOVEMBER, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accounting machine. J. W. Bryce and G. F. Daly. 2,138,337; Nov. 29.
Accounting machine. J. T. Davidson. 2,138,482; Nov. 29.
Accounting machine. G. V. Malmros. 2,138,641; Nov. 29.
Acids, Recovery of lower aliphatic. P. Knapp. 2,138,582; Nov. 29.
Acylated condensation products and making them. O. M. Reiff and D. E. Badertscher. 2,138,809; Nov. 29.
Adhesive. W. D. Bowlby. 2,138,137; Nov. 29.
Adhesive strip serving apparatus. T. R. Gautier. 2,138,474; Nov. 29.
Adjustable clamping tool. D. C. Smith. 2,138,245; Nov. 29.
Adjustable electric lamp. C. Birdseye. 2,138,780; Nov. 29.
Air, Apparatus for compressing. C. H. Taylor. 2,138,248; Nov. 29.
Air conditioning system. A. Y. Dodge. 2,138,143; Nov. 29.
Air, Dehumidification of. E. Altenkirch. 2,138,690; Nov. 29.
Air, Method and apparatus for conditioning. E. Altenkirch. 2,138,691; Nov. 29.
Airplane wing structure. P. E. Mercier. 2,138,352; Nov. 29.
Airscrew having a variable pitch. L. E. Chauviére. 2,138,339; Nov. 29.
Alarm, Burglar. J. A. Wall. 2,138,316; Nov. 29.
Alarm, Rotary speed. O. Stankey. 2,138,648; Nov. 29.
Alcohol acrylates, Amino. G. D. Graves. 2,138,031; Nov. 29.
Alcohol esters of the alpha substituted acrylic acids, Amino. G. D. Graves. 2,138,763; Nov. 29.
Alloys. R. H. Leach. 2,138,637–8; Nov. 29.
Alloys, Manufacture of. L. B. Pfeil. 2,138,459; Nov. 29.
Ammonia, Synthesis of. O. E. Roberts, Jr. 2,138,122; Nov. 29.
Amusement device. A. S. Jones. 2,138,008; Nov. 29.
Anchor, Rail. J. M. Fair. 2,138,447; Nov. 29.
Animal trap. C. E. Evans. 2,138,092; Nov. 29.
Anticryptogamic composition. A. D'Amico. 2,138,733; Nov. 29.
Antislip device. C. B. Johnson. 2,138,171; Nov. 29.
Apparatus for cutting metals with liquid oxygen. G. M. Deming. 2,138,400; Nov. 29.
Apparatus for effecting simultaneous functioning of a plurality of alternating current electromagnets. K. Heinrich. 2,138,275; Nov. 29.
Apparel, Wearing. S. Friedman. 2,138,230; Nov. 29.
Arrangement for avoiding the disturbances attendant on the transformer potential in alternating current collector motors. W. Dällenbach and G. Leischner. 2,138,417; Nov. 29.
Article, Corded edge. E. G. Overly. 2,138,610; Nov. 29.
Article of manufacture. R. Weingand. 2,138,392; Nov. 29.
Articles, Means for identifying. T. F. Murphy. 2,138,705; Nov. 29.
Attaching device. H. R. Ellis. 2,138,735; Nov. 29.
Automatic hay hook. H. V. Daugherty. 2,138,694; Nov. 29.
Automobile clutch. G. Hunt and W. S. Wolfram. 2,138,170; Nov. 29.
Awning, Tensioned. O. C. Tabb. 2,138,219; Nov. 29.
Axle suspension for vehicles. P. M. Bourdon. 2,138,136; Nov. 29.
Bag. A. Potdevin and G. E. Hampton. 2,138,119; Nov. 29.
Bag closing and fastening mechanism. G. Long. 2,139,111; Nov. 29.
Bags, Sealing tin-tie. H. I. Matchett. 2,138,066; Nov. 29.
Baking powder. A. H. Fiske. 2,138,029; Nov. 29.
Baler. F. D. Jones. 2,138,604; Nov. 29.
Ball, Speaker baffle. J. A. Volk. 2,138,717; Nov. 29.
Balls, Apparatus for printing tennis. C. S. McChesney and M. Lukacz, Jr. 2,138,350; Nov. 29.
Balls, Winding. F. Honig. 2,138,452; Nov. 29.
Band, Bird. J. Perry. 2,138,040; Nov. 29.
Band, Elastic garment. L. W. Joyce. 2,138,453; Nov. 29.
Baseball base. P. C. Goodrick. 2,138,273; Nov. 29.
Basket display. N. Snelling. 2,138,360; Nov. 29.
Batching apparatus. C. S. Johnson. 2,138,172; Nov. 29.
Bearing: *See*—
Shaft bearing.
Beater, High speed. N. A. Gray. 2,138,632; Nov. 29.
Bed lamp. V. Nemeroff. 2,138,744; Nov. 29.
Belt tightener. J. J. and M. W. O'Brien. 2,138,117; Nov. 29.
Benzenes, useful for improving the fastness of dyeings, Onium-methyl. F. Münz, K. Keller, and O. Trösken. 2,138,113; Nov. 29.
Beverages, Apparatus for dispensing. A. L. Koenig. 2,138,454; Nov. 29.
Bilge drainer. C. S. Briant. 2,138,368–9; Nov. 29.
Bit for grading equipment, Cutting edge. T. P. Flynn and R. E. Nells. 2,138,150; Nov. 29.
Block: *See*—
Riffle block.
Blow-out preventer. C. B. Wright. 2,138,719; Nov. 29.
Boat propulsion. D. Roebling. 2,138,207; Nov. 29.
Bolt-holding construction, Frangible. F. W. Hanks. 2,138,159; Nov. 29.
Bomb sight. H. Raaber. 2,138,307; Nov. 29.
Book. J. V. Cavalero. 2,138,443; Nov. 29.
Booklet and cover means. S. D. Light. 2,138,496; Nov. 29.
Bottle capping machine. L. E. Fagan and A. B. Mojonnier. 2,138,271; Nov. 29.
Bottle or container of paper, wood pulp, or the like. J. W. Wheeler. 2,138,718; Nov. 29.
Bottle vending machine. L. L. Giannini. 2,138,232; Nov. 29.
Box: *See*—
Chick box.
Display and dispensing box.
Fish tackle box.
Bow construction for an automobile roof. F. J. Plym and J. G. Hoffer. 2,138,508; Nov. 29.
Bowling alley. J. R. Kaiserman. 2,138,423; Nov. 29.
Box and handle. L. Bronstein. 2,138,336; Nov. 29.
Box fastener machine. A. J. Lewis. 2,138,495; Nov. 29.
Boxes, Handling and collapsing paper. K. W. Macdonald. 2,138,766; Nov. 29.
Bracelet structure. E. G. Carlson. 2,138,570; Nov. 29.
Bracket: *See*—
Curtain and drapery bracket.
Outboard motor bracket.
Bracket for a Venetian blind head bracket, End supporting. Nordstrom, J. M., Jr., and J. N. Kirch. 2,138,502; Nov. 29.
Bracket for hearses, Flower basket. E. L. Schofield. 2,138,647; Nov. 29.
Brake: *See*—
Coaster brake.
Internal brake.
Brake drum machine. C. W. Dake. 2,138,268; Nov. 29.
Brake equalizer, Vehicle. J. A. Hicks. 2,138,235; Nov. 29.
Brake for railway cars, Hydraulic. E. E. Van Cleave and A. Wiedenbauer. 2,138,263; Nov. 29.
Brake hub driven by a motor mounted in the driving wheel, Freewheel. G. Steinlein and L. Bruckmoser. 2,138,619; Nov. 29.
Braking device, Pneumatic. G. E. Houplain. 2,138,547; Nov. 29.
Bread crumbing machine. S. Truitt. 2,138,716; Nov. 29.
Brush, Sponge rubber. R. K. Metcalf. 2,138,010; Nov. 29.
Buckle. I. Goldberg. 2,138,542; Nov. 29.
Buffer, Locomotive underframe. C. C. C. Burkhardt. 2,138,139; Nov. 29.
Buggy, Dumping. J. D. Walker. 2,138,562; Nov. 29.
Building block and wall construction ventilated horizontally and vertically. S. Brozek. 2,138,724; Nov. 29.
Building structure. H. C. Lipthrott. 2,138,182; Nov. 29.
Building unit. V. A. Barnhart. 2,138,015; Nov. 29.
Bumper, Vertical. A. S. Campbell. 2,138,782; Nov. 29.
Burner: *See*—
Oil burner.
Burner. S. White. 2,138,128; Nov. 29.
Burner control system. C. G. Kronmiller. 2,138,792; Nov. 29.
Burner control system, Fuel. H. T. Sparrow. 2,138,796; Nov. 29.
Butyl esters of alpha, alpha-dimethyl-alpha'-carboxydihydro-gamma-pyrone and to process for making the same. J. H. Ford. 2,138,540; Nov. 29.
Cable: *See*—
Electrical overhead cable.
Cable and making same, Electric. H. E. Thompson. 2,138,362; Nov. 29.
Cables, Sheathing electric. B. B. Reinitz. 2,138,614; Nov. 29.
Cadmium bearing materials, Treating. W. H. Leverett. 2,138,281; Nov. 29.
Cage, Poultry fountain. A. Gulla. 2,138,544; Nov. 29.
Calking unit. L. Francis. 2,138,696; Nov. 29.
Camera, Photographic. H. Becker. 2,138,059; Nov. 29.
Can aligner. P. L. Vannucci. 2,138,390; Nov. 29.

Can bodies, Making enameled. J. H. O'Neil. 2,138,807; Nov. 29.
Can lifter. J. B. McMillan. 2,138,498; Nov. 29.
Can opening device. E. J. Willis. 2,138,318; Nov. 29.
Can with wax, Coating sheet metal. A. L. Kronquest. 2,138,741; Nov. 29.
Cap for barrel bushing and screw plug assemblies, Sealing. D. W. Curtis. 2,137,999; Nov. 29.
Capper, Raisin. L. Kilner. 2,138,302; Nov. 29.
Capsule, Metal toning and treating. R. K. Wattson. 2,138,286; Nov. 29.
Car: *See*—
Drop bottom car. Road and railway car.
Car structure. T. U. Angell. 2,138,130; Nov. 29.
Carbides, Pulverizing cemented. F. F. White. 2,138,672; Nov. 29.
Carbon black from hydrocarbon gases, Producing. W. D. Wilcox. 2,138,249; Nov. 29.
Carburetor. R. F. Bracke. 2,138,020; Nov. 29.
Carburetor. R. F. Bracke. 2,138,590–2; Nov. 29.
Carrier for full-fashioned knitting machines. F. A. Redcay. 2,138,389; Nov. 29.
Carton. L. Benoit. 2,138,019; Nov. 29.
Carton. E. Siewert. 2,138,680; Nov. 29.
Carton. W. S. Wassell. 2,138,364; Nov. 29.
Carton, Display. W. A. Ringler. 2,138,460; Nov. 29.
Casein, Dyeing of hardened. F. Hill and J. A. Radley. 2,138,602; Nov. 29.
Caster. K. H. Sundén. 2,138,433; Nov. 29.
Catch. W. Shoemaker. 2,138,514; Nov. 29.
Catch and bracket therefor, Hood. F. P. Sargent. 2,138,044; Nov. 29.
Cathode ray oscillograph tube. L. H. Bedford. 2,138,721; Nov. 29.
Caustic, Purification of. R. M. Law and H. C. Britton. 2,138,347; Nov. 29.
Caustic solutions, Dialysis of aqueous. A. W. Saddington and A. P. Julien. 2,138,357; Nov. 29.
Cell form, Contractible removable inner metal. H. R. Corwin. 2,138,693; Nov. 29.
Cellulose esters of organic sulphonic acids and preparation thereof. G. W. Rigby. 2,138,778; Nov. 29.
Cellulose ethers, Purification of. W. R. Collings and T. A. Kauppi. 2,138,757; Nov. 29.
Cellulosic structures, Method and apparatus for the production of. A. Hershberger. 2,138,578; Nov. 29.
Centrifugal machine. E. P. Holder and E. L. Miller. 2,138,167; Nov. 29.
Centrifugal process. A. U. Ayres and A. T. Scott. 2,138,467; Nov. 29.
Centrifugal separation. L. D. Jones. 2,138,476; Nov. 29.
Centrifugal separator. A. U. Ayres. 2,138,468; Nov. 29.
Centrifugal switch. L. W. Young. 2,138,801; Nov. 29.
Chain: *See*—
Furnace conveyer chain.
Chain scraper, and conveyer, Combination of a. J. W. Pearl. 2,138,678; Nov. 29.
Chair: *See*—
Transportation chair.
Chalk sharpening machine. D. S. Gold. 2,138,597; Nov. 29.
Change-over assembly. F. Pedatella. 2,138,478–9; Nov. 29.
Charge forming device. C. N. Mitchell. 2,138,038; Nov. 29.
Checking mechanism. E. Davis. 2,138,372; Nov. 29.
Chick box. J. Z. Means, L. R. Conklin, and J. H. Conway. 2,138,112; Nov. 29.
Chopper, Food. H. E. A. Rahle. 2,138,203; Nov. 29.
Churn, Power. G. Fins. 2,138,296; Nov. 29.
Cigar feed for cellophaning and banding machines. J. A. Neumair. 2,138,662; Nov. 29.
Circuit: *See*—
Oscillatory circuit. Transmitter circuit.
Static elimination circuit.
Circuit breaker. W. M. Leeds and E. Ortensl. 2,138,382; Nov. 29.
Circuit breaker. E. O. Schweitzer. 2,138,284; Nov. 29.
Circuit breaker. R. C. Van Sickle. 2,138,391; Nov. 29.
Circuit controlling device, Electric. J. D. Noyes. 2,138,191; Nov. 29.
Circuit interrupter, Accelerated break. J. D. Hilliard. 2,138,323; Nov. 29.
Circuits, Detector. P. H. Craig. 2,138,731; Nov. 29.
Clasp, Garment. R. B. Young. 2,138,673; Nov. 29.
Cleaner: *See*—
Tube cleaner.
Closure. L. R. N. Carvalho. 2,138,371; Nov. 29.
Closure. H. T. Griswold. 2,138,376; Nov. 29.
Closure and facing material therefor, Container. F. J. Gavin. 2,138,419; Nov. 29.
Closure and lining material therefor, Container. A. H. Warth. 2,138,439; Nov. 29.
Closure, Nonrefillable bottle. C. T. Alexander. 2,138,466; Nov. 29.
Clutch: *See*—
Automobile clutch. Friction clutch.
Clutch. G. Hunt. 2,138,169; Nov. 29.
Clutch. W. S. Wolfram. 2,138,129; Nov. 29.
Coaster brake. I. Mackowiak. 2,138,497; Nov. 29.
Coating compositions and method of producing. I. C. Clare. 2,138,140; Nov. 29.
Coating, Protective. P. Schnorf. 2,138,211; Nov. 29.
Coatings on magnesium and its alloys, Treating anodic. R. W. Buzzard. 2,138,023; Nov. 29.
Cock, Gas. B. L. Matthews. 2,138,767; Nov. 29.
Coding and decoding, System of. W. S. Lemmon, C. R. Doty, R. F. Walz, and A. C. Holt. 2,138,639; Nov. 29.
Coffee maker. W. C. Weber and E. H. Wellech. 2,138,198; Nov. 29.
Coffee mill. H. E. A. Rabl. 2,138,204; Nov. 29.
Coil construction. C. H. Lanphier. 2,138,606; Nov. 29.
Coil for dynamo-electric machines, Armature. A. Casale. 2,138,292; Nov. 29.
Coil, Radio frequency. H. E. Thompson. 2,138,330; Nov. 29.
Cold, Method and apparatus for the production of. E. Altenkirch. 2,138,688; Nov. 29.
Collar corners, Folding. H. C. Underwood. 2,138,222; Nov. 29.
Collar, Expanding. E. T. Straubel. 2,138,329; Nov. 29.
Comfort. L. Pecker. 2,138,745; Nov. 29.
Commutator. C. D. Lake. 2,138,636; Nov. 29.
Compass, Ellipse or circle. J. Weckert. 2,138,414; Nov. 29.
Composition suitable for dentures and preparing same. J. H. Schmidt. 2,138,795; Nov. 29.
Compounds of the anthrapyridine and anthrapyrimidine series. K. Koeberle and C. Steigerwald. 2,138,381; Nov. 29.
Compressor. H. A. Feldbush and G. Steven. 2,138,093; Nov. 29.
Compressor and lubricating means. R. H. Money. 2,138,664; Nov. 29.
Conductor, Electrical. W. M. Scott, Jr. 2,138,617; Nov. 29.
Conductors into vitreous envelopes, Sealing electrical. H. P. Barasch. 2,138,224; Nov. 29.
Connection system for primary windings of transformers for use in commutator type converters. S. Kuroda. 2,138,548; Nov. 29.
Contact element. C. B. Gwyn, Jr. 2,138,599; Nov. 29.
Container: *See*—
Egg container. Sheet metal container.
Container. A. Hinze. 2,138,699; Nov. 29.
Container. G. K. Hoff, 3d. 2,138,700; Nov. 29.
Container. E. W. Peterson. 2,138,708; Nov. 29.
Container and dispensing device therefor. G. O. Conner. 2,138,060; Nov. 29.
Container construction. M. P. Link. 2,138,252; Nov. 29.
Container having carrying frames, Portable. J. W. Holmes. 2,138,451; Nov. 29.
Container made of paper. M. E. Gazette. 2,138,401; Nov. 29.
Containers under gas, Apparatus for filling. W. M. Ryan and J. W. Bold. 2,138,355; Nov. 29.
Control apparatus. E. C. Raney. 2,138,244; Nov. 29.
Control device. N. C. Schellenger. 2,138,210; Nov. 29.
Control for motor vehicle clutches, brakes, and transmission. V. L. Nelson. 2,138,426; Nov. 29.
Control of electric discharge tubes. A. H. Brackensey. 2,138,335; Nov. 29.
Control switch. R. F. Kneisley. 2,138,279; Nov. 29.
Control valve. P. I. Schultz and J. J. Pelouch. 2,138,125; Nov. 29.
Conveyer, Continuous. A. F. White. 2,138,671; Nov. 29.
Conveyer mechanism. R. H. Gordon. 2,138,095; Nov. 29.
Cooking apparatus, Electrical. J. W. Myers. 2,138,706; Nov. 29.
Copper compounds from copper-sweetened hydrocarbon oil, Removing. W. L. Benedict. 2,138,566; Nov. 29.
Cord take-up device for lamps and the like. A. B. Gardella. 2,138,631; Nov. 29.
Coupler for gaseous vapor electric lamps, Support. M. Perr. 2,138,013; Nov. 29.
Coupler, Line. R. G. Litsey. 2,138,702; Nov. 29.
Covering element. A. B. Walton. 2,138,464; Nov. 29.
Crankpin. J. W. Heaston. 2,138,698; Nov. 29.
Crate, Bottle. W. A. McCutchen. 2,138,424; Nov. 29.
Crushing and breaking apparatus. W. A. Hiscox. 2,138,657; Nov. 29.
Cryptographic device. J. C. Wobensmith. 2,138,532; Nov. 29.
Curler, Pin. R. McCormick. 2,138,608; Nov. 29.
Current indicator. H. H. Rudd. 2,138,430; Nov. 29.
Current quantities, System for measuring alternating. W. Geyger. 2,138,344; Nov. 29.
Curtain and drape bracket. I. Pisciotta. 2,138,507; Nov. 29.
Curtain and manufacturing the same, Lace. E. F. Stiner. 2,138,432; Nov. 29.
Curve plotting and drafting instrument. T. B. Knox. 2,138,494; Nov. 29.
Cutting machine. W. E. and J. R. Urschel. 2,138,262; Nov. 29.
Cutting tool. S. A. Cogsdill. 2,138,727; Nov. 29.
Cyanide manufacture. W. B. Tanner. 2,138,519; Nov. 29.

Cylinder head and combustion chamber for internal combustion engines. I. E. Aske. 2,138,131; Nov. 29.
Dam. E. H. Parkinson, T. E. Gardner, and W. T. Vint. 2,138,071; Nov. 29.
Dam construction. E. H. Parkinson, T. E. Gardner, and W. T. Vint. 2,138,070; Nov. 29.
Dental correlator. S. J. Mink. 2,138,254; Nov. 29.
Dental operating unit. R. S. Voorhees, Jr. 2,138,563; Nov. 29.
Derailer. E. Overmier, S. E. Bates, and T. E. Rodman. 2,138,504; Nov. 29.
Derivatives of cellulose, Preparation of organic. C. Dreyfus and G. Schneider. 2,138,145; Nov. 29.
Device for circulating liquids and for reversing the direction of flow thereof. W. A. Tatton and L. S. J. Thompson. 2,138,080; Nov. 29.
Device for sharpening scissors and like cutting implements. W. T. Martin. 2,138,552; Nov. 29.
Dial, Safe. J. H. Hamilton. 2,138,003; Nov. 29.
Diazo compounds and making same. F. Straub, P. Pieth, and H. Schneider. 2,138,559; Nov. 29.
Die: *See*—
Pie die.
Differential draft gauge. G. W. Grisdale. 2,138,152; Nov. 29.
Direction-indicator, Vehicle. B. Jablonsky. 2,138,102; Nov. 29.
Dispenser. F. L. Broeren and S. N. Hope. 2,138,692; Nov. 29.
Disk wheels or the like, Apparatus for forming. E. A. Nelson. 2,138,115; Nov. 29.
Display and dispensing box. P. K. Wrigley. 2,138,589; Nov. 29.
Display device. C. A. Long, Jr. 2,138,348; Nov. 29.
Display device. D. J. Richardson. 2,138,429; Nov. 29.
Driving means for spinning machines. T. Hongo. 2,138,658; Nov. 29.
Dog, Rafting. W. E. Gilkey. 2,138,489; Nov. 29.
Door operating device. C. A. Ellis. 2,138,521; Nov. 29.
Drain cock wrench. E. J. Brouhard. 2,138,725; Nov. 29.
Drawbar structure. C. R. Rogers. 2,138,512; Nov. 29.
Drier compositions, Stabilization of. P. E. Burchfield. 2,138,087; Nov. 29.
Drill: *See*—
Rotary core drill.
Driving and stopping mechanism. J. Gouldbourn and T. A. Kestell. 2,138,403; Nov. 29.
Driving mechanism. W. B. Bronander. 2,137,998; Nov. 29.
Drop bottom car. E. W. Duncan. 2,138,695; Nov. 29.
Drying and cooling apparatus. E. Altenkirch. 2,138,684; Nov. 29.
Drying and/or coating apparatus. E. E. Ekert and G. R. Richards. 2,138,297; Nov. 29.
Drying apparatus. W. Kobusch. 2,138,240; Nov. 29.
Drying apparatus. W. L. Martin. 2,138,333; Nov. 29.
Duplicating machine. O. E. Rosen. 2,138,208; Nov. 29.
Dyeing and printing compositions. R. E. Etzelmiller. 2,138,572; Nov. 29.
Dyeings, Improving the fastness of. F. Münz, K. Keller, and O. Trösken. 2,138,457; Nov. 29.
Dyeings, Improving the fastness of substantive. F. Münz, K. Keller, and O. Trösken. 2,138,458; Nov. 29.
Dyeings on cellulose esters. F. W. Muth. 2,138,553; Nov. 29.
Dyes, Polymethine. G. Wilmanns and W. Schneider. 2,138,223; Nov. 29.
Dyestuffs of the anthracene series and preparing them. W. Eckert and O. Braunsdorf. 2,138,759; Nov. 29.
Dynamo-electric machine, Direct current. G. M. Pestarini. 2,138,666; Nov. 29.
Dynamo-electric machine, Direct current commutating type. J. Pestarini. 2,138,667; Nov. 29.
Dynamo-electric machines, Making. H. Maxwell. 2,138,661; Nov. 29.
Earth retainer. O. B. Lane. 2,138,037; Nov. 29.
Earthworking implement. C. Le Bleu. 2,138,304; Nov. 29.
Egg container. P. J. Fahrne. 2,138,418; Nov. 29.
Egg product and producing same. R. D. Gerwe. 2,138,737; Nov. 29.
Ejecting device for freezing trays. H. D. Geyer. 2,138,697; Nov. 29.
Electric control system, Distant. E. Granat. 2,138,421; Nov. 29.
Electric discharge lamp. H. Pressler and H. Richter. 2,138,197; Nov. 29.
Electric motor. W. H. Edmondson. 2,138,483; Nov. 29.
Electric regulator. P. H. Craig. 2,138,732; Nov. 29.
Electric transmission. C. W. Gebhardt. 2,138,231; Nov. 29.
Electrical heating system. R. B. Sutter. 2,138,217; Nov. 29.
Electrical overhead cable. H. Glasser and J. Gröbl. 2,138,420; Nov. 29.
Electrical road switch, Arch type. O. J. La Bell. 2,138,549; Nov. 29.
Electrical system, Automotive. C. W. Hansell. 2,138,160; Nov. 29.
Electrode, Welding. H. T. Platz. 2,138,388; Nov. 29.
Electron discharge device. R. U. Clark. 2,138,444; Nov. 29.
Electron discharge device. R. J. Erichsen. 2,138,228; Nov. 29.
Electro-optical transmission. F. Gray. 2,138,577; Nov. 29.
Electro-optical transmission method and apparatus. A. G. Cooley. 2,138,398; Nov. 29.
Electroplating. C. G. Fink and P. Deren. 2,138,573; Nov. 29.
Engine: *See*—
Internal combustion engine.
Engine for motor cars, Internal combustion. W. Seyerle. 2,138,618; Nov. 29.
Esters of amino alcohols, in which the amino group is tertiary, and product, Polymerizing methacrylic. J. Harmond. 2,138,762; Nov. 29.
Esters of cellulose and their preparation. C. Dreyfus and W. Whitehead. 2,138,146; Nov. 29.
Esters of pine wood pitch and producing. E. G. Peterson. 2,138,193; Nov. 29.
Ether, Treatment and packaging of. F. W. Nitardy. 2,138,039; Nov. 29.
Evaporator. W. W. Higham and S. H. Morse. 2,138,525; Nov. 29.
Explosive package. N. G. Johnson. 2,138,603; Nov. 29.
Eye tester. B. Oskin. 2,138,554; Nov. 29.
Fabric and producing same, Matted. E. M. Lapham. 2,138,108; Nov. 29.
Fastener. B. C. Place. 2,138,195; Nov. 29.
Feeding and aligning device. B. L. Henry. 2,138,491; Nov. 29.
Feeding mechanism for offset printing machines. P. H. Durup. 2,138,343; Nov. 29.
Feed mechanism for stokers, Variable. R. L. Beers. 2,138,722; Nov. 29.
Fence making machine. V. L. Johnson. 2,138,173; Nov. 29.
Fermentation process and product. C. A. Thomas and C. A. Hochwalt. 2,138,434–5; Nov. 29.
Fifth wheel. D. W. Sherman. 2,138,679; Nov. 29.
File rest. C. Anderson. 2,138,395; Nov. 29.
Film operating mechanism for cameras. H. Mulch. 2,138,068; Nov. 29.
Films, Copying lenticular photographic. G. Heymer. 2,138,097; Nov. 29.
Filter pad. H. M. Gaarder. 2,138,736; Nov. 29.
Finger ring. N. Levy. 2,138,640; Nov. 29.
Firearm. A. Seidel. 2,138,213; Nov. 29.
Fire control apparatus. P. Evans. 2,138,149; Nov. 29.
Fire extinguishing foam, Apparatus and method for producing. M. Betzler. 2,138,133; Nov. 29.
Fish tackle box. O. V. Myers. 2,138,190; Nov. 29.
Fittings and the like, Making metal. F. B. Wendel. 2,138,199; Nov. 29.
Fixture, Illuminating. J. A. Hoeveler. 2,138,635; Nov. 29.
Flare assembly. C. M. Bolser. 2,138,622; Nov. 29.
Flashlight switch. W. J. Officer and O. T. Wood. 2,138,387; Nov. 29.
Floor, Portable composite. A. B. Birtles. 2,138,085; Nov. 29.
Flour, Preparation or treatment of cereal. H. Hewitt. 2,138,062; Nov. 29.
Flow metering device. S. L. Adelson. 2,138,266; Nov. 29.
Flowerpot. C. C. Morley. 2,138,188; Nov. 29.
Flying machine. R. Poult. 2,138,326; Nov. 29.
Folders, Making. F. W. Hart and B. T. McGary. 2,138,788; Nov. 29.
Folding mechanism for printing machines. A. M. Zuckerman. 2,138,054; Nov. 29.
Food, Animal. E. Kruger and W. M. Kendall. 2,138,177; Nov. 29.
Food products, Shaping. F. W. Trabold. 2,138,462; Nov. 29.
Footrest and cuspidor, Combination. G. M. Barber. 2,138,415; Nov. 29.
Form, Hat. E. Rupe. 2,138,616; Nov. 29.
4-methyl uracil and homologues thereof. A. B. Boese, Jr. 2,138,756; Nov. 29.
Frame: *See*—
License plate frame.
Frame with the axles of vehicles, Connecting the. M. Wagner. 2,138,438; Nov. 29.
Friction clutch. R. Wichtendahl. 2,138,393; Nov. 29.
Fringe and manufacturing the same, Lace. E. F. Stiner. 2,138,431; Nov. 29.
Fruit and vegetable treating machine. M. D. Kennedy and J. G. Johnson. 2,138,174; Nov. 29.
Fuel feed system for internal combustion engines. A. J. Nicholas. 2,138,069; Nov. 29.
Funnel, Filtering. W. S. Schuyler. 2,138,256; Nov. 29.
Furnace control system. J. P. Kriechbaum. 2,138,791; Nov. 29.
Furnace conveyer chain. C. R. Weiss. 2,138,317; Nov. 29.
Furniture, Upholstering. W. Boardman. 2,138,440; Nov. 29.
Fuse construction. W. O. Schultz and A. G. Steinmayer. 2,138,255; Nov. 29.
Fuse, Projectile. P. Henry. 2,138,234; Nov. 29.
Game. H. T. Hipwell. 2,138,764; Nov. 29.
Game, Bowling card. F. R. Feher. 2,138,272; Nov. 29.
Game, Educational. J. J. Harkins. 2,138,524; Nov. 29.
Garment. G. H. Preston. 2,138,041; Nov. 29.
Garment. R. H. Wann. 2,138,588; Nov. 29.
Garment, Culotte. A. A. Wilson. 2,138,365; Nov. 29.

Gas-purifying device. G. W. Grisdale. 2,138,153; Nov. 29.
Gas valve. V. D. Beehler. 2,138,621; Nov. 29.
Gaseous conduction apparatus. C. G. Smith. 2,138,518; Nov. 29.
Gauge: *See*—
Differential draft gauge. Thickness gauge.
Roof gauge.
Gauge device. D. Comino. 2,138,293; Nov. 29.
Gauge for printing presses, Side register. A. and E. Kluge. 2,138,107; Nov. 29.
Gear shift. W. F. Eckert. 2,138,148; Nov. 29.
Gear shifting mechanism, Automatically operated. C. D. Buck. 2,138,534; Nov. 29.
Gearing, Change speed. R. E. Layman. 2,138,065; Nov. 29.
Generator: *See*—
Magneto generator.
Germicidal detergent. H. O. Halvorson, M. Bayliss, and J. L. Wilson. 2,138,805; Nov. 29.
Germicidal detergent. H. O. Halvorson, J. L. Wilson, and E. J. Ordal. 2,138,806; Nov. 29.
Girdling tool. J. M. Cartwright. 2,138,726; Nov. 29.
Glazing units, Process and apparatus for producing. C. D. Haven. 2,168,164; Nov. 29.
Golf club. H. A. Douglas. 2,138,294; Nov. 29.
Grinding apparatus, Crank shaft. A. J. Sievers, Jr. 2,138,258; Nov. 29.
Grinding tool. A. J. Sievers, Jr. 2,138,257; Nov. 29.
Gum, Chewing. C. H. Flint. 2,138,804; Nov. 29.
Guns, Portaging. W. Figge. 2,138,229; Nov. 29.
Halides, Hydrolizing organic. A. W. Meyer. 2,138,609; Nov. 29.
Halogen-2-butadienes-1,3 and preparing them, Aqueous dispersion of polymerized. B. Dales and F. B. Downing. 2,138,226; Nov. 29.
Harmonica, Hand. V. Skudies. 2,138,749; Nov. 29.
Harvesting machine. H. D. Hume and J. E. Love. 2,138,238; Nov. 29.
Hat. E. F. Mann. 2,138,642; Nov. 29.
Hat structure. C. R. Borkland. 2,138,225; Nov. 29.
Headlight turning device, Automobile. A. A. Knossalla. 2,138,303; Nov. 29.
Heat exchanger. J. M. Barclay and J. B. Forbes. 2,138,469; Nov. 29.
Heat transfer apparatus. O. Larsen. 2,138,607; Nov. 29.
Heat transferring device. J. S. Cortines. 2,138,091; Nov. 29.
Heating apparatus. P. F. Sperry. 2,138,259; Nov. 29.
Holder: *See*—
Key holder. Tool holder.
Quill brush holder.
Holder construction, Tie. C. E. Gaynor. 2,138,575; Nov. 29.
Holder for mower sections, Work. A. L. Warner. 2,138,264; Nov. 29.
Holding chamber for pasteurizing system. B. E. Getchell. 2,138,402; Nov. 29.
Hook: *See*—
Automatic hay hook.
Hop separator. E. Thys. 2,138,529; Nov. 29.
Huller, Cotton. J. J. Wallace. 2,138,436; Nov. 29.
Huller rib. J. J. Wallace. 2,138,437; Nov. 29.
Humidifier for dwellings. K. D. Rainbolt. 2,138,709; Nov. 29.
Hydraulic pump. E. M. Pfauser. 2,138,194; Nov. 29.
Hydrocarbons, Converting. F. E. Frey. 2,138,541; Nov. 29.
Hydrocarbons, Recovering. P. M. Raigorodsky. 2,138,218; Nov. 29.
Hydroxy-ethoxy derivatives of 2-phenyl-quinoline-4-carboxylic acid and making same. P. Diedrich. 2,138,628; Nov. 29.
Hygrometer. R. A. Needham. 2,138,707; Nov. 29.
Ice, Manufacture of carbon dioxide. D. Eastman. 2,138,758; Nov. 29.
Identification device for keys. J. T. Stevenson. 2,138,309; Nov. 29.
Implement retainer. E. H. Dickenson. 2,138,342; Nov. 29.
Implement, Self-propelled. F. T. Irgens. 2,138,239; Nov. 29.
Impression printing means, Multiple. W. E. Hamlin. 2,138,096; Nov. 29.
Incineration. W. Raisch. 2,138,120; Nov. 29.
Indicating device. O. Siepke. 2,138,359; Nov. 29.
Indicating fuse plug. H. M. wMuncheryan. 2,138,769; Nov. 29.
Indicating instrument for navigation. T. E. Halpin. 2,138,422; Nov. 29.
Indicator: *See*—
Current indicator. Direction indicator.
Ingot mold. G. Ramsey. 2,138,121; Nov. 29.
Insecticide. C. C. Plummer. 2,138,557; Nov. 29.
Insecticidal composition. R. L. Sibley. 2,138,516; Nov. 29.
Insole and making same. I. F. Damon. 2,138,227; Nov. 29.
Insulator. R. C. Dehmel. 2,138,571; Nov. 29.
Internal brake. O. Rasmussen and G. K. Hause. 2,138,205; Nov. 29.
Internal combustion engine. J. L. Doll and C. W. Rogers. 2,138,027; Nov. 29.
Internal combustion engine. J. L. McGonigall. 2,138,351; Nov. 29.
Internal combustion engine, Rotary. C. W. Haller. 2,138,490; Nov. 29.
Iron manufacture. M. J. Udy. 2,138,797; Nov. 29.
Ironing device. G. Blair. 2,138,567; Nov. 29.
Jack: *See*—
Shoe repairer's jack.
Jewelry structure. K. Fassnacht. 2,138,596; Nov. 29.
Jig, Pulsating. G. A. Vissac. 2,138,315; Nov. 29.
Joint: *See*—
Pipe joint.
Joint and seal, Road. R. R. Robertson. 2,138,615; Nov. 29.
Key, Brake shoe. A. L. Prentice. 2,138,196; Nov. 29.
Key holder. I. Newman. 2,138,116; Nov. 29.
Knitting machines, Attachment for. E. C. Sherlin and W. Larkin. 2,138,748; Nov. 29.
Lamp: *See*—
Adjustable electric lamp. Electric discharge lamp.
Bed lamp.
Lamp and mounting for the same, Vehicle. N. P. Worden. 2,138,082; Nov. 29.
Lamp construction. C. W. Anklam. 2,138,056; Nov. 29.
Lamp construction. A. and J. Hollins. 2,138,579; Nov. 29.
Lamp structure. N. P. Worden and H. S. Pedersen. 2,138,083; Nov. 29.
Landing beam transmitter,. Directional. A. Gothe. 2,138,448; Nov. 29.
Landing gear, Actuating an airplane retractable. R. K. Giovannoli. 2,138,030; Nov. 29.
Lasting machine. E. A. Holmgren. 2,138,099; Nov. 29.
Lasting machine. W. T. B. Roberts. 2,138,308; Nov. 29.
Latch mechanism, Door. G. D. Lindstrom and E. North. 2,138,251; Nov. 29.
Lathe, Four-spindle drum type crankshaft. W. F. Groene and W. R. Meyer. 2,138,522; Nov. 29.
Lens, Traffic signal. H. H. Hess. 2,138,545; Nov. 29.
License plate frame. W. N. Schnell. 2,138,124; Nov. 29.
Lifter: *See*—
Can lifter.
Lifting device. A. L. Johnson. 2,138,276; Nov. 29.
Light and camera unit, Combination portable pocket. J. A. Bell. 2,138,723; Nov. 29.
Lighting unit mounting. A. N. Taylor and N. P. Worden. 2,138,075–9; Nov. 29.
Lining for canals, Protective. E. J. Baird. 2,138,366; Nov. 29.
Liquid dispensing apparatus. R. E. Bechtold. 2,138,755; Nov. 29.
Liquid dispensing apparatus. W. H. D. Brouse. 2,138,781; Nov. 29.
Liquid dispensing device. R. C. Taylor. 2,138,046; Nov. 29.
Liquid measuring device. A. F. Meyer. 2,138,677; Nov. 29.
Liquid treating apparatus. R. L. Williams. 2,138,052; Nov. 29.
Liquids, Treating. R. L. Williams. 2,138,051; Nov. 29.
Liquor in pulp cookers, Circulating. O. Kreissler. 2,138,455; Nov. 29.
Liquors, Recovering heat and chemicals from waste. A. G. Kernin. 2,138,278; Nov. 29.
Load holding means, Safety. G. E. Miller. 2,138,386; Nov. 29.
Lobster-claw lock. L. J. Barwood. 2,138,651; Nov. 29.
Lock: *See*—
Lobster-claw lock.
Locking device for clocks, Pendulum. H. Junghans. 2,138,345; Nov. 29.
Loudspeaker. G. E. Sundstrom. 2,138,461; Nov. 29.
Luminair. L. C. Doane. 2,138,373; Nov. 29.
Luminous display. H. P. Dorn. 2,138,803; Nov. 29.
Machine for assorting articles according to their weight. E. S. Hilton. 2,138,475; Nov. 29.
Machine for assembling packing on pistons and the like. A. Y. Dodge. 2,138,144; Nov. 29.
Machine for cutting by heat pipes or similar objects angularly crosswise thereof. G. K. Hull and R. L. Drake. 2,138,676; Nov. 29.
Machine for grinding and finishing cylinders. K. W. Connor. 2,138,535; Nov. 29.
Machine for manufacturing undercut sand mold. F. H. Le Jeune. 2,138,701; Nov. 29.
Magnesium and its alloys, Treatment of. C. E. Nelson and H. De Long. 2,138,794; Nov. 29.
Magneto generator. W. J. Spengler. 2,138,681; Nov. 29.
Mailing device. G. P. Lee. 2,138,250; Nov. 29.
Map, Altitude. R. J. Cheesman. 2,138,024; Nov. 29.
Marking and display device. N. Snelling. 2,138,361; Nov. 29.
Material for initiating a welding arc. J. D. Crecca and S. S. Scott. 2,138,025; Nov. 29.
Materials, Apparatus for handling. C. S. Johnson. 2,138,277; Nov. 29.
Materials, Method and apparatus for testing. S. Cromer and I. F. Bingham. 2,138,141; Nov. 29.
Measuring device. V. D. McBrayer. 2,138,742; Nov. 29.

Meat mixing machine. A. C. Van Hooydonk. 2,138,798; Nov. 29.
Meat products, Apparatus for preparing. F. W. Trabold. 2,138,260; Nov. 29.
Mechanism for actuating the control surfaces of aircraft. R. T. Youngman. 2,138,753; Nov. 29.
Metallic bunches, Making resilient. J. W. Gottschalk and S. W. Grater. 2,138,787; Nov. 29.
Metals with lead, Alloying. W. T. Butcher. 2,138,729; Nov. 29.
Microscope. H. N. Ott. 2,138,665; Nov. 29.
Mill: *See*—
Coffee mill.
Mine loading apparatus. G. Smith. 2,138,750; Nov. 29.
Mineral fusion product and making same. C. R. Walker. 2,138,799; Nov. 29.
Mirror device. B. Putterman and D. E. Reed. 2,138,808; Nov. 29.
Mixing apparatus. A. D. MacLellan. 2,138,550; Nov. 29.
Modulating and amplifying system, High efficiency. R. B. Dome. 2,138,653; Nov. 29.
Mold: *See*—
Ingot mold.
Mold for manufacture of brake drums. D. J. Campbell and C. W. Dake. 2,138,624; Nov. 29.
Molding apparatus. O. Bischof. 2,138,470; Nov. 29.
Molding, Foundry. D. J. Campbell. 2,138,623; Nov. 29.
Molding machine. F. T. Spikerman and E. F. Oyster. 2,138,410; Nov. 29
Motor: *See*—
Electric motor. Windshield cleaner motor.
Spinner motor.
Motor for electric clocks and the like, Synchronous. F. R. Borgfeldt. 2,138,442; Nov. 29.
Motor pump, Semisubmersible. A. Hollander. 2,138,032; Nov. 29.
Motor vehicle. E. L. Bare. 2,138,084; Nov. 29.
Motor vehicle. E. C. Horton. 2,138,236; Nov. 29.
Motor vehicle. R. S. Kellogg. 2,138,104; Nov. 29.
Motor vehicle. E. A. Nelson. 2,138,114; Nov. 29.
Motor vehicle. J. G. Vincent. 2,138,463; Nov. 29.
Mounting: *See*—
Lighting unit mounting. Resilient mounting.
Reamer cutter mounting.
Mounting for absorbing vibrations, Resilient. W. C. Keys. 2,138,176; Nov. 29.
Mounting for electrical devices, Flush panel. R. N. Rowe. 2,138,408; Nov. 29.
Mounting for printing presses, Roller. T. M. Avery. 2,138,779; Nov. 29.
Mounting mechanism for vehicle bodies. I. N. Eustis. 2,138,484; Nov. 29.
Mower. C. F. Crumb and S. E. Hilblom. 2,138,536; Nov. 29.
Mower construction, Lawn. T. B. Funk. 2,138,786; Nov. 29.
Mucking machine and conveyer system. W. A. Whitmore. 2,138,200; Nov. 29.
Muffler. E. Ludlow. 2,138,477; Nov. 29.
Muffler. C. F. Rauen. 2,138,510; Nov. 29.
Multiple control switch. E. C. Raney. 2,138,509; Nov. 29.
Music, Apparatus for the production of. B. F. Miessner. 2,138,500; Nov. 29.
Napkin, Paper. E. C. Morris. 2,138,425; Nov. 29.
Network for telegraph circuits, Shunt balancing. R. T. Hamlett. 2,138,675; Nov. 29.
Nitrate and chlorine, Production of a. H. A. Beekhuis, Jr. 2,138,016; Nov. 29.
Nitrosyl chloride, Decomposition of. H. A. Beekhuis, Jr. 2,138,017; Nov. 29.
Nozzle. R. T. Killman. 2,138,379; Nov. 29.
Nozzle, Automatic. R. T. and T. A. Killman. 2,138,380; Nov. 29.
Nozzle for flat-spraying appliances, Air. E. Gustafsson. 2,138,300; Nov. 29.
Nut, Clinch. J. W. Salter. 2,138,409; Nov. 29.
Nut-cracking machine. S. L. Fontana. 2,138,473; Nov. 29.
Objects from polyvinyl alcohol, Production of elastic. H. Vohrer. 2,138,751; Nov. 29.
Oil burner. W. A. Sorg. 2,138,246; Nov. 29.
Oil, Lubricating. E. F. Pevere. 2,138,771; Nov. 29.
Oil, Synthetic. C. C. Towne. 2,138,775; Nov. 29.
Oil, Treating. R. C. Osterstrom. 2,138,770; Nov. 29.
Oils by means of benzol derivatives, Refining hydrocarbon. E. Terres, J. Moos, and E. Saegebarth. 2,138,773; Nov. 29.
Oils, Solvent refining of hydrocarbon. E. Saegebarth. 2,138,772; Nov. 29.
Opener, Destructible drum. J. W. Fluharty. 2,138,538; Nov. 29.
Ores, Treatment of titanium. O. T. Coffelt. 2,138,090; Nov. 29.
Organic derivatives of cellulose, Transparent. H. E. Martin. 2,138,184; Nov. 29.
Oscillatory circuit. C. W. Hansell. 2,138,161; Nov. 29.
Outboard motor bracket. L. J. Harmon. 2,138,600; Nov. 29.
Oven construction. O. Wundrack. 2,138,465; Nov. 29.
Oxides of nitrogen under pressure, Method of and apparatus for absorbing. I. Hechenbleikner. 2,138,165; Nov. 29.
Oxides, Process and catalyst for making olefine. H. Langwell, C. B. Maddocks, and J. F. Short. 2,138,583; Nov. 29.
Package for food products. J. C. Hershey. 2,138,005; Nov. 29.
Package, Sealed. H. Koch and J. L. Burke. 2,138,241; Nov. 29.
Package structure, Perforate. L. L. Salfisberg. 2,138,358; Nov. 29.
Packages of spool spun silk, After treatment of. A. E. Sunderland. 2,138,216; Nov. 29.
Packaging machine. S. R. Howard. 2,138,101; Nov. 29.
Packer. E. P. Halliburton. 2,138,156; Nov. 29.
Packer for wells, Removable. E. P. Halliburton. 2,138,157; Nov. 29.
Packer, Well. C. C. Brown. 2,138,569; Nov. 29.
Packing device for use in wells. W. E. Bendeler. 2,138,997; Nov. 29.
Pad: *See*—
Filter pad.
Pail, Milk. A. Bernat. 2,138,537; Nov. 29.
Panel, Steering wheel instrument. B. C. Harris. 2,138,163; Nov. 29.
Paper feeding device. W. P. Scharr. 2,138,646; Nov. 29.
Paper, Making neutral sized. W. A. Nivling. 2,138,325; Nov. 29.
Paper pulp and the like, Apparatus for treating. K. A. Thorsen. 2,138,715; Nov. 29.
Partition construction, Steel. M. A. Callaghan. 2,138,291; Nov. 29.
Pattern drum control means. I. W. Grothey. 2,138,738; Nov. 29.
Pedal attachment for gear shift levers. L. Nan. 2,138,242; Nov. 29.
Pen, Fountain. J. N. Whitehouse. 2,138,650; Nov. 29.
Pencil, Mechanical. P. S. Hauton. 2,138,233; Nov. 29.
Phenylphenol, Alkylated. E. C. Britton, G. H. Coleman, and R. P. Perkins. 2,138,471; Nov. 29.
Photographic developer. E. Fournes and H. Diamant-Eerde. 2,138,486; Nov. 29.
Photographic printing apparatus. P. Dautzenberg. 2,138,445; Nov. 29.
Piano-action spring. M. Sieveking. 2,138,517; Nov. 29.
Pie die. M. Tatosian. 2,138,247; Nov. 29.
Pie plate handling method and apparatus. K. Stuart. 2,138,560; Nov. 29.
Pigment powders, Making dry, free-running. V. Vesce. 2,138,048; Nov. 29.
Pigments and producing same, Titanium oxide. G. D. Patterson. 2,138,118; Nov. 29.
Pigments, Drying. V. C. Vesce. 2,138,049; Nov. 29.
Pigments, Preparing phthalocyanine. F. S. Turck. 2,138,413; Nov. 29.
Pigments, Titanium. G. Meder. 2,138,384; Nov. 29.
Pilot structure, Railway. E. G. Hallquist. 2,138,450; Nov. 29.
Pipe: *See*—
Smoking pipe.
Pipe cooling system, Engine and exhaust. J. S. Fluor, Jr. 2,138,001; Nov. 29.
Pipe joint. J. Boucher. 2,138,135; Nov. 29.
Piston structure for uniflow steam engines. E. C. Read. 2,138,644; Nov. 29.
Pitch propeller, Adjustable. A. E. Gaba. 2,138,487; Nov. 29.
Pitch propeller, Reverse and variable. J. A. Gallagher. 2,138,574; Nov. 29.
Planter, Multiple row. O. H. Myers. 2,138,011; Nov. 29.
Platform, Elevating. W. E. Hamlin. 2,138,377; Nov. 29.
Plug: *See*—
Indicating fuse plug. Spark plug.
Plugs, Inserting and holding closure. W. D. Haas. 2,138,404; Nov. 29.
Poke, Animal. E. R. Troyer. 2,138,561; Nov. 29.
Pole, Tent. M. G. Hale. 2,138,033; Nov. 29.
Polysulphones and their preparation. C. S. Marvel. 2,138,584; Nov. 29.
Position finding instrument. J. C. Karnes. 2,138,035; Nov. 29.
Pot type of range. A. R. Pierce. 2,138,556; Nov. 29.
Power plant for operating an accessory. E. C. Horton. 2,138,237; Nov. 29.
Power transmission and control, Hydraulic. H. F. Vickers. 2,138,050; Nov. 29.
Power unit. H. W. Gouldthorpe. 2,138,656; Nov. 29.
Press cage construction. C. B. Upton. 2,138,670; Nov. 29.
Press for molding articles. R. J. Turner. 2,138,047; Nov. 29.
Press for printing and printing press, Preparing a. W. Matuschke. 2,138,704; Nov. 29.
Press-slide with gag-connection. W. Klocke. 2,138,106; Nov. 29.
Pressure adjusting device. P. Dietrich. 2,138,142; Nov. 29.
Pressure apparatus, Variable. A. I. Newman. 2,138,527; Nov. 29.
Pressure control device. J. J. Trefz and O. Kaspar. 2,138,412; Nov. 29.
Pressure equalizing arrangement for reciprocating pumps. J. H. Doran. 2,138,654; Nov. 29.
Primer for high explosives. W. E. Kirst. 2,138,581; Nov. 29.
Printing. W. Matuschke. 2,138,703; Nov. 29.

Printing machine, Electrical repeating. W. F. Muller. 2,138,793; Nov. 29.
Printing machine, Multicolor sheet fed rotary. W. F. Huck. 2,138,405; Nov. 29.
Printing machine, Multicolor sheet fed rotary. W. F. Huck. 2,138,407; Nov. 29.
Printing machine, Rotary. K. T. Lang. 2,138,179; Nov. 29.
Printing mechanism. G. F. Daly. 2,138,627; Nov. 29.
Printing of items, Repeat. H. A. Weinlich and K. H. Breinlinger. 2,138,649; Nov. 29.
Printing telegraph system. F. S. Kinkead. 2,138,580; Nov. 29.
Produce-handling apparatus. E. H. Spiegl. 2,138,285; Nov. 29.
Projector, Radio range beam. E. H. Burgin. 2,138,595; Nov. 29.
Propeller and like rotary member. E. C. Saint-Jacques. 2,138,072; Nov. 29.
Propeller blades, Making. F. W. Caldwell. 2,138,370; Nov. 29.
Propeller making. J. Squires. 2,138,127; Nov. 29.
Propelling mechanism for aircraft and vehicles. H. E. Irwin. 2,138,034; Nov. 29.
Protective device for crankcase ventilators. E. K. Holmes. 2,138,098; Nov. 29.
Pump: *See*—
Hydraulic pump. Well pump.
Motor pump.
Pump or motor, Hydraulic positive drive. E. K. Benedek. 2,138,018; Nov. 29.
Punch and shearing machine. M. L. Grappe. 2,138,543; Nov. 29.
Quill brush holder. M. Perr. 2,138,012; Nov. 29.
Radiator. J. McElgin. 2,138,187; Nov. 29.
Radio and communication system, Automobile. A. N. Goldsmith. 2,138,598; Nov. 29.
Radio tuning device. W. J. Schnell. 2,138,328; Nov. 29.
Ratchet mechanism. F. B. Seeberger. 2,138,045; Nov. 29.
Ratchet wrench. F. P. Ward. 2,138,331; Nov. 29.
Rayon, Apparatus for manufacturing. W. Wuppermann. 2,138,394; Nov. 29.
Razor. O. V. Rodrigues. 2,138,353; Nov. 29.
Razor blade sharpening method and means. C. Elliot. 2,138,520; Nov. 29.
Razor, Safety. P. and J. H. Hotson. 2,138,063; Nov. 29.
Reamer cutter mounting. J. H. Howard and P. C. Efromson. 2,138,007; Nov. 29.
Receiver for wave signals. J. Robinson. 2,138,747; Nov. 29.
Receiver for wave signals, Selective. J. Robinson. 2,138,042; Nov. 29.
Receiver, Frequency or phase modulation. M. G. Crosby. 2,138,341; Nov. 29.
Receiving system. G. W. Fyler. 2,138,655; Nov. 29.
Receptacle for doors, Concealed key. T. E. Cox. 2,138,416; Nov. 29.
Record shaving machine, Phonograph. S. G. Langley. 2,138,346; Nov. 29.
Recording mechanism. F. Loeffler. 2,138,110; Nov. 29.
Reels, Apparatus for supporting paper. M. Casasco. 2,138,338; Nov. 29.
Refrigerating apparatus. E. Altenkirch. 2,138,685; Nov. 29.
Refrigerating apparatus. C. A. Mann. 2,138,660; Nov. 29.
Refrigerating apparatus. L. A. Philipp. 2,138,611-2; Nov. 29.
Refrigerating apparatus, Intermittent absorption. E. Altenkirch. 2,138,686; Nov. 29.
Refrigeration. G. F. Zellhoefer. 2,138,777; Nov. 29.
Refrigeration control system. W. L. McGrath. 2,138,768; Nov. 29.
Refrigerator. S. M. Bäckström. 2,138,132; Nov. 29.
Register with preset printing mechanism. C. J. W. Willers. 2,138,287; Nov. 29.
Registering and recording mechanism. E. Wild. 2,138,480; Nov. 29.
Regulator: *See*—
Electric regulator. Speed regulator.
Resilient mounting. W. C. Keys. 2,138,175; Nov. 29.
Resistance device, Pressure responsive. O. Svenson. 2,138,310; Nov. 29.
Retort and apparatus for refining raw materials in solid, liquid, vapor and gaseous form, Special. C. P. Bratasianu. 2,138,321; Nov. 29.
Revolving display stand. F. A. Cooper. 2,138,730; Nov. 29.
Rifle block. C. B. Ulrich. 2,138,313; Nov. 29.
Ring: *See*—
Finger ring.
Road and railway car. G. T. Ronk. 2,138,043; Nov. 29.
Road paving machine. E. B. Jorgensen. 2,138,103; Nov. 29.
Road surface and paving blocks for forming such surface. J. P. Fagan. 2,138,270; Nov. 29.
Rocket, Aerial. A. Horak. 2,138,168; Nov. 29.
Roll, Compression. E. Cannity. 2,138,397; Nov. 29.
Roll, Smoothing. O. W. Fromm. 2,138,094; Nov. 29.
Roller aligner. K. L. Herrmann. 2,138,601; Nov. 29.
Roof gauge. C. O. Magenheimer. 2,138,551; Nov. 29.
Roofing. H. F. Bozalina. 2,138,320; Nov. 29.
Roofing material. A. D. MacNutt. 2,138,456; Nov. 29.
Root chopping and dirt distributing implement. J. L. Chong. 2,138,472; Nov. 29.
Rosins and metal salts produced thereby, Treatment of. E. R. Littmann. 2,138,183; Nov. 29.
Rotary core drill. J. H. Howard. 2,138,006; Nov. 29.
Rubber article, Producing a. C. F. Flemming. 2,138,761; Nov. 29.
Rubber composition, Synthetic. E. Ott. 2,138,192; Nov. 29.
Rubber from aqueous rubber dispersions, Production of sponge. H. Wolf. 2,138,081; Nov. 29.
Rubber latex, Concentrating or enriching. O. E. Schweitzer. 2,138,073; Nov. 29.
Rubber products, Making striped. J. H. Johnson. 2,138,378; Nov. 29.
Sadiron sole plate and making. H. C. Wright. 2,138,720; Nov. 29.
Sanitary napkins, Apparatus for making. O. T. Thompson. 2,138,587; Nov. 29.
Sanding apparatus. A. Nation. 2,138,526; Nov. 29.
Scale. J. M. Triner. 2,138,261; Nov. 29.
Scanning process. A. J. Cawley. 2,138,089; Nov. 29.
Screen construction and method, Roller. W. E. Kemp. 2,138,105; Nov. 29.
Screen construction, Roller. M. Barrow. 2,138,564; Nov. 29.
Screw and nut mechanism. A. G. Cooley and G. V. V. Dillenback, Jr. 2,138,784; Nov. 29.
Screw, Conveyer feed. S. C. Gebert. 2,138,576; Nov. 29.
Screw threads by grinding, Producing and/or finishing. S. J. Harley. 2,138,739; Nov. 29.
Sealing composition for waterless gas holders. W. H. Hampton and T. W. Doell. 2,138,158; Nov. 29.
Seat back. C. A. Van Derveer. 2,138,314; Nov. 29.
Seed separator. C. S. Brye. 2,138,021; Nov. 29.
Selector device for valve manifolds. P. Clancy. 2,138,802; Nov. 29.
Separator: *See*—
Centrifugal separator. Seed separator.
Hop separator.
Sewage, Method and apparatus for aerating. E. B. Mallory. 2,138,349; Nov. 29.
Sewing machine. G. A. Fleckenstein. 2,138,760; Nov. 29.
Sewing machine work trimmer. H. J. Le Vesconte. 2,138,765; Nov. 29.
Sewing machines, Adjustable hemmer attachment for. G. L. Hinman. 2,138,492; Nov. 29.
Sewing machines, Hemming attachment for. M. Greenfield and A. Blum. 2,138,633; Nov. 29.
Sewing machines, Punch mechanism for buttonhole-type. A. R. Wood. 2,138,776; Nov. 29.
Sewing machines, Thread controller for. C. S. Thompson. 2,138,774; Nov. 29.
Shade, Window. J. A. Bombard. 2,138,441; Nov. 29.
Shaft bearing. A. J. Kindig. 2,138,659; Nov. 29.
Sheet collecting and folding mechanism for printing presses. J. E. Meyer. 2,138,499; Nov. 29.
Sheet delivery device for printing machines. K. T. Lang. 2,138,178; Nov. 29.
Sheet metal container. A. Friedinger. 2,138,061; Nov. 29.
Sheet, Pertused metal. E. A. Colby. 2,138,625; Nov. 29.
Sheets from a web, Mechanism for cutting and delivering. W. F. Huck. 2,138,406; Nov. 29.
Shingle and assembly of the same. W. S. Miles. 2,138,663; Nov. 29.
Shock absorber. W. C. Robbins. 2,138,511; Nov. 29.
Shock absorber. E. F. Rossman and F. D. Funston. 2,138,513; Nov. 29.
Shoe, Elastic top. C. Miller. 2,138,385; Nov. 29.
Shoe repairer's jack. E. G. Wolf. 2,138,265; Nov. 29.
Shoes, Making. A. E. Lindblad. 2,138,109; Nov. 29.
Shoemaking. E. F. Mathews. 2,138,185; Nov. 29.
Shoetree and shoehorn, Combined. C. E. Harriman. 2,138,789; Nov. 29.
Shuttle for automatic loom. R. G. Turner. 2,138,221; Nov. 29.
Sickle bar for reapers and mowers. W. H. Null. 2,138,305; Nov. 29.
Signal for motor vehicles, Direction. E. C. Akers. 2,138,533; Nov. 29.
Signal for typographical machines, Distributor. H. R. Freund. 2,138,785; Nov. 29.
Signaling, Short wave. H. H. Beverage, P. S. Carter, and G. S. Wickizer. 2,138,134; Nov. 29.
Signaling, Short wave. N. E. Lindenblad. 2,138,181; Nov. 29.
Signaling system. H. M. Bascom. 2,138,565; Nov. 29.
Signaling system. H. M. Pruden. 2,138,613; Nov. 29.
Sirup, Preparation of viscose. G. A. Richter. 2,138,014; Nov. 29.
Sizer, Hydraulic. C. E. Wood. 2,138,810; Nov. 29.
Skin treatment. M. Pulgar. 2,138,428; Nov. 29.
Skylight, Ventilating. L. W. Mulford. 2,138,189; Nov. 29.

Slack adjuster. O. Rasmussen and R. C. Rike. 2,138,206; Nov. 29.
Slug eliminator for vending machines. A. C. Smith. 2,138,055; Nov. 29.
Slug, Making a play ball. G. D. Grau, Jr. 2,138,004; Nov. 29.
Slugs, Apparatus for forming metal. A. H. Gaess. 2,138,488; Nov. 29.
Smoking pipe. H. A. Douglas. 2,138,322; Nov. 29.
Snow plow. H. G. Clark and W. C. Sell. 2,138,783; Nov. 29.
Soil, Solidifying. F. D. Sullivan. 2,138,713; Nov. 29.
Soles for shoes, Apparatus for blacking the edges of. A. V. Shortell. 2,138,515; Nov. 29.
Solids from liquids, Separation of. R. E. Greenfield. 2,138,274; Nov. 29.
Solvent refining of petroleum oils. A. W. Hixson and R. Miller. 2,138,166; Nov. 29.
Sorting machine. E. J. F. Rey. 2,138,645; Nov. 29.
Spark plug. G. R. Smith. 2,138,558; Nov. 29.
Speed regulator. G. E. Howard. 2,138,100; Nov. 29.
Spinner motor. A. G. Wise, C. W. Mapes, W. A. Chryst, and H. O. Fuchs. 2,138,531; Nov. 29.
Splitting machine. E. L. Butler. 2,138,022; Nov. 29.
Sponge articles, Manufacture of. P. Saffert. 2,138,712; Nov. 29.
Spool. D. A. Sprigings. 2,138,074; Nov. 29.
Spot weld recorder. C. E. Heitman, Jr. 2,138,790; Nov. 29.
Spring: *See*—
Piano-action spring.
Sprinkler, Rotating. K. L. Lamminger. 2,138,282; Nov. 29.
Stake pocket, Road rail. E. L. Harrington. 2,138,634; Nov. 29.
Stand: *See*—
Revolving display stand.
Static elimination circuit. E. M. Sargent. 2,138,123; Nov. 29.
Steam engine valve. W. F. Kiesel, Jr. 2,138,740; Nov. 29.
Steel, Chromium-manganese-nickel. F. M. Becket and R. Franks. 2,138,289; Nov. 29.
Stoker, Locomotive. E. A. Turner. 2,138,363; Nov. 29.
Stop for duplicators, Sheet margin. F. W. Storck. 2,138,682; Nov. 29.
Stopper and brush, Adhesive container. A. A. Bilbrey. 2,138,319; Nov. 29.
Store front construction. F. J. Plym. 2,138,586; Nov. 29.
Strips or sheets to presses or other machines, Automatic apparatus for feeding. I. Patrick. 2,138,306; Nov. 29.
Suitcase. E. E. Wilt. 2,138,202; Nov. 29.
Sulphur compounds, Producing. W. H. Shiffler and M. M. Holm. 2,138,215; Nov. 29.
Sulphur, Production of precipitated. W. H. Shiffler and P. S. Danner. 2,138,214; Nov. 29.
Surface characterization of workpieces, Determining the. H. V. Törnebohm. 2,138,411; Nov. 29.
Surfaces of metal articles, Process and compound for coloring the. L. C. Fenwicke. 2,138,295; Nov. 29.
Surfacing material, Composite. A. E. H. Dussek. 2,138,734; Nov. 29.
Surgical device. S. I. Copen. 2,138,626; Nov. 29.
Sweep, Hay. F. C. Rohwer. 2,138,711; Nov. 29.
Switch: *See*—
Centrifugal switch. Flashlight switch.
Control switch. Multiple control switch.
Electrical road switch.
Switch device. R. R. Erbe. 2,138,629; Nov. 29.
Switching, Electric. J. Biermanns. 2,138,652; Nov. 29.
Syringe, Blood transfusion. R. P. Landis. 2,138,605; Nov. 29.
Tabulating machine. J. W. Galyon. 2,138,630; Nov. 29.
Telemetering system and apparatus. C. E. Stewart. 2,138,668; Nov. 29.
Telephone system. E. A. Brofos. 2,138,594; Nov. 29.
Telephone system. M. B. McDavitt. 2,138,186; Nov. 29.
Telescope sight. H. F. Mossberg. 2,138,067; Nov. 29.
Temperature control system. P. B. Parks. 2,138,505; Nov. 29.
Therapeutic preparation of colloidal sulphur. R. L. High. 2,138,546; Nov. 29.
Thermal controlling device. V. W. Breitenstein. 2,138,593; Nov. 29.
Thickness gauge. J. P. Brunt and E. E. Maston. 2,138,290; Nov. 29.
Time of day announcing system. G. F. Drum. 2,138,147; Nov. 29.
Timing mechanism. F. G. Nicolaus. 2,138,243; Nov. 29.
Toaster, Automatic. M. H. Graham. 2,138,674; Nov. 29.
Tone deflector for grand pianos. H. E. Tower. 2,138,669; Nov. 29.
Tool: *See*—
Adjustable clamping tool. Grinding tool.
Girdling tool. Cutting tool.
Tool holder. E. J. Lynch. 2,138,253; Nov. 29.
Torch. L. W. Young. 2,138,800; Nov. 29.
Towel dispensing apparatus. A. C. Grunwald. 2,138,154; Nov. 29.
Toy. J. L. Bonanno. 2,138,367; Nov. 29.
Toy. S. Kyser. 2,138,280; Nov. 29.
Toy airplane. K. Howie. 2,138,301; Nov. 29.
Trackage, Railroad. F. J. Chemidlin. 2,138,340; Nov. 29.
Traction device. V. Jensen. 2,138,493; Nov. 29.
Tractor. J. W. Thompson. 2,138,311; Nov. 29.
Trailer hitch. O. A. Christenson. 2,138,267; Nov. 29.
Transmission. D. D. Dooley. 2,138,028; Nov. 29.
Transmitter circuit. R. Bruckner. 2,138,138; Nov. 29.
Transportation chair. B. H. Drake. 2,138,269; Nov. 29.
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Animal trap.
Tray, Ice. C. A. Bauer. 2,138,058; Nov. 29.
Trim molding and making the same. J. S. Reid. 2,138,710; Nov. 29.
Truck. R. Faries. 2,138,485; Nov. 29.
Truck structure, Railway. E. G. Hallquist. 2,138,449; Nov. 29.
Tube and circuits, Thermionic. C. W. Hansell. 2,138,162; Nov. 29.
Tube and manufacturing the same, Cop. R. Little and F. W. Fralm. 2,138,383; Nov. 29.
Tube cleaner. P. T. Keebler. 2,138,009; Nov. 29.
Tubular structure, Artificial cellulosic. J. E. Brandenberger. 2,138,568; Nov. 29.
Tuning system, Selective. S. W. Seeley and T. J. Scofield. 2,138,209; Nov. 29.
Turbine, Internal combustion. W. E. Trumpler. 2,138,220; Nov. 29.
Typewriters, Reducing shock in the escapement mechanisms of. J. F. Koca. 2,138,324; Nov. 29.
Typewriting and like machine. G. G. Going. 2,138,151; Nov. 29.
Undergarment. A. N. Oppenheim. 2,138,643; Nov. 29.
Undergarment, Man's. F. Chatfield. 2,138,481; Nov. 29.
Valve: *See*—
Control valve. Vent valve.
Gas valve.
Valve. B. Douredoure. 2,138,446; Nov. 29.
Valve. W. E. Swartzwelder. 2,138,714; Nov. 29.
Valve and desuperheater, Combination reducing. K. B. Howell. 2,138,064; Nov. 29.
Valve and mounting therefor. G. Wagner. 2,138,530; Nov. 29.
Valve, Forming a. G. F. Phillipps. 2,138,528; Nov. 29.
Valve motion mechanism for locomotive engines. W. E. Woodard. 2,138,053; Nov. 29.
Valve plumbing fixtures, Plural. J. R. O'Brien. 2,138,503; Nov. 29.
Vehicle: *See*—
Motor vehicle.
Vehicle body. A. Davis, Jr. 2,138,399; Nov. 29.
Vehicle body construction having concealed door hinges. A. H. Haberstump. 2,138,523; Nov. 29.
Vehicle record and article holder. H. L. Moore. 2,138,743; Nov. 29.
Vent valve, Ingress and egress. C. H. Ehlers. 2,138,000; Nov. 29.
Ventilator, Automatic. C. D. Payden. 2,138,427; Nov. 29.
Ventilator of the louver type. J. Lehmkuhl. 2,138,180; Nov. 29.
Visor for ski caps, Extension. O. Blodjer. 2,138,086; Nov. 29.
Vulcanizing device. E. J. Pilblad. 2,138,585; Nov. 29.
Vulcanizing device. C. C. Strange. 2,138,620; Nov. 29.
Wall construction, Building. W. J. Weesner. 2,138,683; Nov. 29.
Warp feeding and tensioning means. W. H. Hall, Jr. 2,138,155; Nov. 29.
Washing machine. D. Becquet. 2,138,334; Nov. 29.
Washing machine. R. R. Miller. 2,138,501; Nov. 29.
Water accumulator. E. Altenkirch. 2,138,687; Nov. 29.
Water, Apparatus for heating and deaerating. V. A. Rohlin. 2,138,354; Nov. 29.
Water out of the atmosphere, Gaining. E. Altenkirch. 2,138,689; Nov. 29.
Wave sender or receiver, Compressional. W. Kunze. 2,138,036; Nov. 29.
Wax applier. W. G. Bailey. 2,138,288; Nov. 29.
Weighing and filling apparatus and method. W. M. Ryan and J. W. Bold. 2,138,356; Nov. 29.
Welder, Arc. N. L. Andrus and L. J. Ganyaw. 2,138,754; Nov. 29.
Well cleaning system. J. Grant. 2,138,375; Nov. 29.
Well pump. J. E. Hall. 2,138,002; Nov. 29.
Wells, Method and apparatus for testing. A. L. Armentrout and E. B. Hall. 2,138,057; Nov. 29.
Welting and making same, Goodyear. W. Brown. 2,138,396; Nov. 29.
Wheel: *See*—
Fifth wheel.
Wheel. E. H. Piron. 2,138,506; Nov. 29.
Window construction. O. M. Edwards. 2,138,374; Nov. 29.
Window construction and installing the same. B. J. Triller. 2,138,312; Nov. 29.
Window operator and lock, Combined. J. B. Flynn. 2,138,539; Nov. 29.
Windshield cleaner motor. T. J. Scofield. 2,138,212; Nov. 29.

Wire bending and securing device. J. B. Dempsey. 2,138,026; Nov. 29.
Wire drawing machine. S. H. Richards. 2,138,327; Nov. 29.
Wire drawing method and apparatus. W. A. Whittaker. 2,138,201; Nov. 29.
Wire, Method of and apparatus for drawing. F. H. Smith and H. A. Stringfellow. 2,138,126; Nov. 29.
Wire, Solder filled. E. A. Capillon. 2,138,088; Nov. 29.
Wireless and like receiver. J. Robinson. 2,138,746; Nov. 29.
Wood pulp for nitration, Conditioning of. G. A. Richter and D. H. McMurtrie. 2,138,283; Nov. 29.
Wrapping machine. J. W. Chalmers. 2,138,728; Nov. 29.
Wrench: *See*—
Drain cock wrench. Ratchet wrench.
Wrench. C. R. Geisel. 2,138,332; Nov. 29.
X-rays with a continuously moved grid, Apparatus for screening out secondary. E. Ötvös. 2,138,555; Nov. 29.
Yarn winder, Adjustable. P. J. Gruebel. 2,138,299; Nov. 29.

CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 29, 1938

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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U. S. GOVERNMENT PRINTING OFFICE: 1938

THE
OFFICIAL GAZETTE
OF THE
United States Patent Office

Vol. 496—No. 1 TUESDAY, NOVEMBER 1, 1938 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.
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Adjudicated Patents

(C. C. A. N. Y.) Latz patent, No. 1,460,492, for communication sheet, claims 1 and 2 *Held* invalid. *Latz* v. *Reliance Graphic Corporation*, 98 F.(2d) 679.

(C. C. A. N. Y.) Ram patent, No. 1,538,952, for traffic signal, claims 1, 2, and 5 *Held* not infringed. *Engineering & Research Corporation* v. *Horni Signal Corporation*, 98 F.(2d) 682.

(C. C. A. N. Y.) Aurynger patent, No. 1,608,472, for condenser, claims 1 and 5 *Held* not infringed. *Aurynger* v. *Radio Corporation of America*, 98 F.(2d) 765.

(C. C. A. Conn.) Gibbons patent, No. 1,654,167, for process for vulcanizing rubber, *Held* invalid. *U. S. Rubber Co.* v. *Sidney Blumenthal & Co.*, 98 F.(2d) 767.

(C. C. A. Del.) Loutrel patent, No. 1,655,018, for compression-spring washer, *Held* valid. *National Lock Washer Co.* v. *George K. Garrett Co.*, 98 F.(2d) 643.

(C. C. A. Pa.) Stuck patent, No. 1,658,421, for rail brake for railway cars, *Held* not infringed. *Cincinnati Traction Bldg. Co.* v. *Westinghouse Air Brake Co.*, 98 F.(2d) 749.

(C. C. A. N. Y.) Larson patent, No. 1,694,823, for automatic elevator, *Held* valid and infringed. *Otis Elevator Co.* v. *570 Building Corporation*, 98 F.(2d) 699.

(C. C. A. N. J.) Keidel patent, No. 1,783,938, for seal, claim 8 *Held* invalid. *International Seal & Knot Protector Co.* v. *E. J. Brooks Co.*, 98 F.(2d) 647.

(C. C. A. Conn.) Hopkinson patent, No. 1,784,523, for method of rubberizing fibrous material and article produced thereby, claims 1 to 7, 12, and 13 *Held* invalid. *U. S. Rubber Co.* v. *Sidney Blumenthal & Co.*, 98 F.(2d) 767.

(C. C. A. N. Y.) Johnson patent, No. 1,805,403, for casement window structure, claim 29 *Held* invalid. *Johnson Metal Products Co.* v. *Lundell-Eckberg Mfg. Co.*, 98 F.(2d) 756.

(C. C. A. Conn.) Foster and Cook patent, No. 1,816,574, for pile or tufted sheet fibrous material, claims 1 to 3, 5 to 8, 10, and 11 *Held* invalid. *U. S. Rubber Co.* v. *Sidney Blumenthal & Co.*, 98 F.(2d) 767.

(C. C. A. N. Y.) Johnson patent, No. 1,841,187, for closure fastener, claims 12 and 13 *Held* invalid. *Johnson Metal Products Co.* v. *Lundell-Eckberg Mfg. Co.*, 98 F.(2d) 756.

(C. C. A. N. Y.) Lindquist, Dunn, and Larson patent, No. 1,904,647, for elevator system, *Held* valid and infringed. *Otis Elevator Co.* v. *570 Building Corporation*, 98 F.(2d) 699.

(D. C. N. Y.) Barrett patent, No. 1,924,082, for motor actuated circuit controlling means, claims 1, 9, 10, and 11 *Held* valid and infringed, and claims 2 to 8, inclusive, *Held* invalid. *Utah Radio Products Co.* v. *Delco-Appliance Corporation*, 24 F. Supp. 328.

(C. C. A. Ill.) McDaniel patent, No. 2,002,245, for dental instrument for removing impacted teeth, claims 1 to 6 and 7 to 10 *Held* invalid. *McDaniel* v. *Friedman*, 98 F.(2d) 745.

(C. C. A. N. Y.) Nelson reissue patent, No. 17,602, for variable traffic signal, claims 1 to 20, 22, 23, 25, 27, 29, 32, 34, 35, 38, 45, 46, 56, 57, 58, and 63 *Held* not infringed. *Engineering & Research Corporation* v. *Horni Signal Corporation*, 98 F.(2d) 682.

Condition of Applications Under Examination at Close of Business October 15, 1938

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 48,664; Trade-Mark Division, 1,266. Oldest new case, Dec. 31, 1937; oldest amended, Jan. 27, 1938.) (The dates given are 1938 except where † indicates 1937) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. (Act.), Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Apr. 15	Apr. 26	865
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	May 11	May 11	1,015
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	July 29	July 27	469
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	May 25	June 1	576
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	July 15	July 16	585
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Apr. 14	Apr. 12	1,247
5725	7. JARBOE, C. G., Optics; Photography	July 6	July 6	972
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	June 2	June 4	931
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	July 8	July 15	523
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	June 4	June 10	683
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	June 22	June 20	531
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms; Velocipedes.	Feb. 14	Feb. 4	862
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	June 2	June 2	594
5097	14. SMITH, G. A., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	July 27	July 28	482
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	June 1	June 1	1,164
5716	16. SPENCER, C. J., Telegraphy; Telephony	Apr. 27	Apr. 22	944
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	May 25	May 25	746
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	May 7	May 12	506
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	May 12	May 25	761
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	June 27	June 18	500
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	July 15	July 15	465
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	June 30	June 30	635
7624	23. BUTTNER, W. J., Registers (part)	†Dec. 31	Jan. 27	335
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	July 17	July 17	610
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	June 14	June 15	630
5803	26. YOUNG, R. R., Electricity, Generation; Motive Power	June 16	June 16	581
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	Apr. 11	Apr. 8	1,218
4628	28. SOLYOM, H. L., Internal-Combustion Engines	May 19	May 12	570
5082	29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables.	Apr. 26	May 2	826
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Apr. 18	Apr. 18	905
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	July 15	July 15	661
4066	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	June 27	June 29	613
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	May 20	June 10	897
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	June 16	June 17	355
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	June 1	June 1	779
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Apr. 22	May 18	664
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Apr. 14	Apr. 14	905
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Plastic Compositions.	Mar. 17	Mar. 12	793
4878	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution; Railway Draft Appliances.	May 19	May 19	646
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	May 11	May 10	1,477
7512	41. WHITNEY, M. L., Typewriting Machines; Coin Handling; Recorders; Registers (part)	June 20	July 2	296
5882	42. CUTTING, H. O., Electric Signaling	Mar. 10	Feb. 16	880
4886B	43. KLINGE, E. F., Medicines, Poisons, and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	June 17	June 9	550
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages	May 25	May 20	736
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	May 9	May 24	831
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	May 5	May 30	675
6082	47. LOWE, E. R. (Act.), Clutches; Brakes	June 1	June 7	650
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	June 25	June 22	645
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Mar. 14	Mar. 24	1,065
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	May 5	May 10	1,107
5628	51. BACKUS, C. D., Radiant Energy	July 5	July 5	841
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	July 18	July 15	813
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	June 22	June 29	651
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes	July 20	July 21	481
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Apr. 23	Apr. 15	1,315
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	May 15	May 16	1,077
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	June 17	June 3	528
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	June 10	May 18	404
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part); Substance Preparation.	June 11	June 27	744
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	May 28	May 28	523
6724	61. PARKS, G. E., Laminated Electrical Insulation; Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Apr. 28	Apr. 30	668
5621	62. PUGH, E. C., Games; Geometrical Instruments	July 8	July 7	598
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation	June 15	June 20	491
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	May 24	May 24	1,106
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Apr. 19	Apr. 19	723
2099B	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND { Trade-Marks	Sept. 13	Oct. 1	1,266
	{ Labels and Prints	Oct. 1	Oct. 4	111
2605	DESIGNS: H. H. KALUPY	Sept. 9	Sept. 24	656

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Appeals for the District of Columbia

ELECTRONS, INC., ERICHA MEYER, EXECUTRIX OF ESTATE OF FRIEDRICH MEYER, DECEASED, SPANNER AND GERMER

v.

COE, COMMISSIONER OF PATENTS

No. 6,957. Decided August 8, 1938

1. PATENTABILITY—COMBINATION OF OLD ELEMENTS.
"The fact that all the elements entering into a combination are old does not necessarily negative the existence of invention. • • • Such a combination may be patentable invention if it produces a new result, or an old result in a new or more efficient way. • • • The fact that a combination later appears to be a simple one does not necessarily negative the presence of a high degree of inventive genius. • • • On the other hand, if a combination is the result of mere mechanical skill applied to an idea or ideas previously disclosed, it is not invention."

2. SAME—GASEOUS DISCHARGE LAMP.
Claims for a gaseous discharge lamp *Held* unpatentable over the prior art.

APPEAL from the District Court of the United States for the District of Columbia. Reversed.

Mr. Clifton V. Edwards and *Mr. John M. Brady* for Electrons, Inc., et al.

Mr. R. F. Whitehead for the Commissioner of Patents.

Before GRONER, Chief Justice, STEPHENS and MILLER, Associate Justices

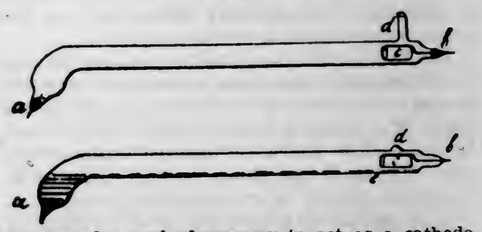
STEPHENS, *A. J.:*

This is an appeal from an order of the District Court of the United States for the District of Columbia dismissing, after a hearing on the merits, a bill of complaint filed by the appellants under Rev. Stat. § 4915, as amended. The bill sought to authorize the appellee, the United States Commissioner of Patents, hereafter referred to as the Commissioner, to issue a patent for a gaseous discharge lamp on the application of Friedrich Meyer, Hans Joachim Spanner, and Edmund Germer, No. 241,034. The application will be referred to hereafter as the Meyer application.

The application was filed on December 19, 1927, and included claims 49 to 51 and 53 to 57. All of these claims except 54 were rejected by the Primary Examiner on the ground that they did not disclose invention in view of a prior French patent to Risler, No. 607,650. Claims 49, and 53 to 56, were rejected upon the further ground that they contained "new matter," i. e., matter not disclosed in the specification. Claim 54 was rejected as not disclosing invention in view of United States patents to Kruh, No. 1,032,914 and to George, No. 1,671,109. The Board of Appeals reversed the Primary Examiner on all of these points and allowed all of the claims. Then the Examiner suggested that, in view of the position of the Board of Appeals, another claim, 58, would be allowable, and the application was amended to include it. All of the foregoing, however, preceded the decision in the United States Court of Customs and Patent Appeals of *In re Zecher*, 70 F. (2d) 270 (1934), 446 O. G. 715, wherein it was held that Kruh and George taken together anticipated an application by Zecher and another for a patent upon a gaseous discharge lamp. After this decision the Primary Examiner requested that he be restored to jurisdiction of the Meyer application in order that he might reject all of the claims of Meyer as unpatentable over Kruh and George for the reasons set forth by the court in *In re Zecher*. This request was granted and the Examiner then rejected all of the claims upon the theory that the Meyer claims were similar to those involved in *In re Zecher* and that the latter was controlling upon the Commissioner. The Board of Appeals, upon the same theory, sustained the Examiner, and then upon a petition for rehearing affirmed its own decision. The trial court followed the final ruling of the Board of Appeals, although it did not in terms refer to the Zecher case in its findings of fact and conclusions of law. We discuss the claims in the Zecher case and the ruling of the Court of Customs and Patent Appeals at greater length hereafter. The sole question presented for decision in the instant case is whether or not the disclosure of the Meyer application constitutes invention over the references cited by the Commissioner, particularly Kruh and George.

The principal object of the Meyer device is the production of ultra violet rays which, as is well known, are put to therapeutic use. These rays result from an electric discharge through mercury vapor. In the early stages of the art, they were produced through the use of a quartz lamp, a typical form of which is shown in the two drawings in Illustration A. This is a quartz tube containing

ILLUSTRATION A



at one end a pool of mercury to act as a cathode and at the other end a suitable anode, these two electrodes being connected to an outside source of electric current. Such a tube is shown in the upper of the two drawings. In operation the tube is tilted in such manner as to cause the mercury in the pool to flow along the bottom to the anode, as indicated in dotted lines in the lower of the two drawings, thereby forming a conductive thread of mercury connecting the two charged electrodes. An electric current thus flows through the mercury

thread, heating and vaporizing it. Then the tube is tilted back into such a position as to cause the mercury thread to break, and at the point of rupture the mercury becomes incandescent, and this continues vaporization of the mercury and results in the formation of an arc which recedes with the broken thread of mercury to the pool to form on the surface thereof an intense "hot spot." Such a "hot spot" has a temperature in excess of 2000° C. and thereby mercury vapor is generated through which the electric current passes, producing a luminous column and causing ultra violet rays to be emitted through the pervious quartz wall of the tube. This quartz lamp has several disadvantages in respect of practical operation: In order to maintain the arc through the tube it is necessary to keep the hot spot from going out and this requires a large current, usually of the order of 5 amperes, and in consequence the amount of ultra violet rays emitted cannot be controlled below a certain minimum which is fixed by the amount of current necessary to maintain the hot spot. Again, the electric current will pass through such a quartz lamp only when the mercury pool is the cathode, i. e., the negative electrode; therefore the lamp can operate on direct current only, for if alternating current is used there will be no flow during one-half of each cycle and accordingly the hot spot will go out. Still further, the lamp must be tilted to start operation and when started it must thereafter be kept in a fixed position. Finally, because of the pool of mercury, such a lamp is not easily portable. Apparently because of these disadvantages the quartz lamp has not been put into commercial operation except with modifications in the form of transformers, boosters and devices to control the flow of the current.

Steinmetz had pointed out as early as 1900 that what mainly underlay the disadvantages of the quartz lamp was the necessity of heating the mercury; and all through the early art attempts were made to meet this difficulty by resorting to auxiliary heating means such as a heater wire either in or adjacent to the mercury pool, or a high frequency current passing through the pool.

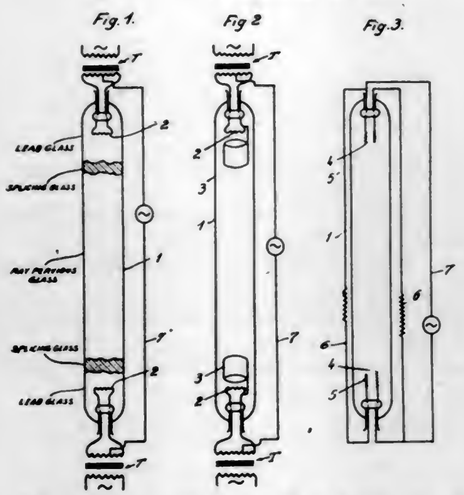
The Meyer application presents a device designed to produce ultra violet rays economically and efficiently and without the disadvantages of the quartz lamp. The device is defined in claims 49 to 51 and 53 to 58, all of which are involved in the instant suit. Claims 49 and 55 are typical; claim 54 involves the addition of an auxiliary electrode:

49. A spectral ray lamp comprising an evacuated envelope forming an enclosed elongated discharge path, two fixed electrodes therein, one of which is a Wehnelt type cathode, and a low pressure gaseous atmosphere comprising a rare gas adapted to support a heavy current discharge, and a source of metallic vapor normally incapable of supporting a low voltage discharge in the envelope, the said discharge through the rare gas being adapted to raise the vapor pressure of the metallic vapor and the ionization of the same sufficiently to cause the metallic vapor to carry and maintain the discharge and become the main source of the emitted spectral rays.

54. A metal vapor lamp of high capacity which can be started and operated directly from ordinary alternating house lighting voltages; comprising a vessel pervious to the desired spectral rays, two fixed main discharge electrodes spaced apart and forming with the walls of said vessel an elongated discharge path therein, at least one of said electrodes being a Wehnelt type cathode, an auxiliary electrode adjacent said cathode, an inert gas atmosphere, and a source of metallic vapor the pressure of which increases with rise in temperature; said cathode in cooperation with the gas atmosphere and said auxiliary electrode being capable of starting and maintaining a heavy current, low voltage gas discharge between said electrodes thereby forming an enclosed luminous gas column between the main electrodes adapted to raise the pressure of said metallic vapor and its density throughout the main discharge path sufficiently to cause it to support said low voltage discharge as the desired main source of spectral radiation.

55. A metal-vapor lamp comprising a vessel adapted to provide a discharge path defined by the walls of said vessel, a Wehnelt type cathode and a cooperating electrode disposed at opposite ends of said path, and a filling of inert gas and metal vapor; the normal electron emission of said cathode and the pressure of inert gas being adapted to start and support a low voltage gaseous discharge in said path, the said gaseous discharge being adapted to raise the metal-vapor density throughout the path sufficiently to make the metal vapor the main source of emitted rays.

ILLUSTRATION B



The structure thus described is shown in the drawings of Illustration B. The specification explains the drawings thus:

Fig. 1 shows a tubular lamp 1, filled with a rare gas or gases, to which is admixed a metal vapor such as mercury vapor, 2, 2 are glow cathodes supplied with alternating current.

Fig. 2 illustrates a similar arrangement in which auxiliary electrodes 3, 3 are associated with the glow cathodes 2, the auxiliary electrodes being arranged in close juxtaposition to the glow cathodes, so as to heat them up when heated by the current.

In the modification illustrated in Fig. 3, 4, 4 are glow cathodes of a different kind, and 5, 5 are the auxiliary or ignition electrodes associated with them. A suitable resistance 6 is inserted in the circuit including the auxiliary electrodes.

The specification further explains:

We have found that a source of chemically active rays is presented in the combination of a gas-filled tube, for instance an argon- or neon-filled tube, such as is in general use for the purposes of advertising, with an admixture of metal vapor, for instance mercury vapor, to the gas in the tube, the tube itself being preferably made of a material highly pervious to ultraviolet rays, such as quartz or uviol glass, or being provided with an opening closed by such material.

If a voltage is connected with the electrodes forming part of such a tube, a glow current will pass between the electrodes which will also ionize the mercury molecules which will now emit great quantities of ultraviolet rays. Owing to the presence, in the tube, of a gas, for instance a rare gas, besides the metal vapor, such lamp can be operated with alternating current and can therefore be connected directly with any house lighting system.

We have further found that combined gas and metal vapor lamps for high capacity can be ignited easily without requiring a high voltage, if the ordinary (cold) electrodes are replaced by or combined with hot (incandescent or glow) cathodes. We may for instance use tungsten cathodes, but we have found it particularly convenient to use the kind of glow cathodes known under the name of Wehnelt-cathodes, which do not require any heating current, it being possible to cause the cathodes to be heated by the ion current itself upon the glow discharge having been started by means of one of the well known auxiliary connections. This latter mode of operation is particularly recommendable if it is desired to operate with direct current.

More briefly stated, what the Meyer application describes is a tubular quartz lamp, pervious to ultra violet rays, filled when manufactured with an inert gas such as argon or neon and with mercury vapor which when cool condenses into drops of mercury which adhere to the walls of the lamp. The lamp has metallic electrodes, one of which, the cathode, is of the so-called Wehnelt type. It is explained in the testimony that this type of electrode is coated with a metallic oxide such as barium oxide, and in consequence has the property of emitting electrons and thus permitting the passage of a large current upon the application of a relatively low voltage. The theory of operation of this lamp is that when an electric current is passed through the inert gas a heavy arc discharge results which heats the walls of the tube and also causes an ionic bombardment of the drops of mercury adhering thereto. Both of these effects cause vaporization of the mercury, which then becomes ionized and serves to carry the electric discharge with resultant emission of ultra violet rays. The amount of the latter can be controlled by varying the amount of current passed through the lamp. This is accomplished by the insertion of a resistance in series with the lamp.

In contrast with the quartz lamp of the early art above described, the Meyer device eliminates the mercury pool and thus the hot spot and the consequent necessity for a large current which interferes with lack of control of the rays below a certain minimum. Further, the elimination of the mercury pool and the addition of the rare gas make the lamp usable with alternating current, do away with the necessity of tilting for starting purposes, and permit use of the lamp in varied positions; also, the elimination of the mercury pool makes the lamp portable. Further, the use of the Wehnelt cathode, which results in substantial electronic emission at low voltages, and the adaptation to alternating current make the lamp usable in domestic electric outlets.

The invention claimed is not in the use as such of an electric discharge through mercury vapor to create ultra violet rays nor in the use of the Wehnelt cathode as such. In their brief appellants characterize "the broad new inventive conception of applicants" as:

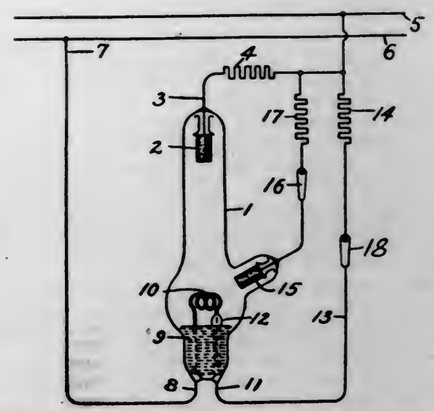
. . . the creation of an intense discharge through the rare gas, made possible in the combination by the Wehnelt cathode, which rare gas heats the walls of the elongated tube uniformly throughout its length, and so raises and maintains the requisite mercury vapor pressure.

In short the invention is said to lie in the discovery that mercury may be vaporized (and thus placed in such a condition that ultra violet rays will be emitted when an electric discharge passes through it) by ionic bombardment caused by a heavy electric discharge (made possible by the use of the Wehnelt cathode) through an inert gas. The appellants assert that in the prior art the necessary vaporization of the mercury has been produced either by passing a current through liquid mercury, as in the case of the quartz lamp of the early art above described, or by auxiliary devices to heat the mercury.

But the Commissioner contends that the virtues of the Wehnelt cathode have long been known and that the principles employed by the appellants are disclosed by the prior art and especially by the patent to Kruh, No. 1,032,914, and the patents to George, No. 1,671,109 and No. 1,361,710. Reference is also made to a patent to Hull, Reissue No. 19,057.

The patent to Kruh is for what is termed a vapor electric apparatus. A drawing thereof, Illustration C, shows a highly exhausted glass tube at the

ILLUSTRATION C



upper tip of which is located a positive metallic electrode 2 connected to one main 5 of an electric circuit of either direct or alternating current. The other main 6 of the supply circuit is connected to a lead-in 8 which extends up through the bottom of the tube and, without insulation, through the pool of mercury 9 and above its surface and supports one end of a small helix or glower 10. The other end of this helix is supported by a separate lead-in 11 which passes, within an insulating glass tube 12, through the mercury and is then connected to the supply main 5. The helix 10 is constructed of wire such as platinum or tungsten coated with a suitable oxide which when heated emits electrons. There is an auxiliary anode at 15 connected like the anode 2 to the main 5 but located much nearer the helix 10. This is to be used merely to facilitate starting and may be subsequently cut out by the switch 16.

The Kruh lamp has two purposes, the production of light and the rectification of alternating current. Only the former is of significance here. The lamp operates normally as a mercury arc. The appellants' expert witness James Burke thus described its operation:

As I understand the operation of his tube, it is that he passes current through the conductor on which the coating of the cathode is placed, which heats that conductor, bringing the cathode into an emissive state, and the heat of that cathode also heats the mercury in three ways: one by its proximity to the mercury, being placed just above the mercury pool; one by the heating of the wire forming part of that cathode, which passes through the pool as shown on the lefthand side, this being shown as bare, contacting with the mercury, and conveying its heat into the mercury; and a third way being by the con-

duction of heat in the exposed part of the cathode above the mercury; so that he has the three ways by which heat goes into the mercury pool.

Now, at the start, as he explains it, he gets a low intensity discharge between the emissive cathode 10 and the auxiliary electrode and after getting that started and the proper amount of ionization in the tube, that discharge goes away from the auxiliary anode 15 and establishes itself to the main anode 2.

Now, he explains that when the current is increased it then changes from a low intensity to a high intensity lamp and, as I understand the principle that he explains, it is that the current which has been flowing from the coated cathode, part of the current will creep down the bare leg and contact with the mercury pool, establishing a hot spot on the mercury pool, so that he then has the mercury pool and hot spot lamp, the same as the earlier quartz lamps explained, and, in addition to that, he has some discharge from the coated cathode 10, the total discharge being divided between the hot spot on the mercury pool 9 and on the coated cathode 10.

Now, the discharge which starts with sufficient current to start the hot spot is established by the mercury vapor getting into the tube, being formed in the tube by the preheating device previous to the hot spot getting started, which then starts the hot spot when the current reaches a sufficient amount.

Kruh also mentioned operation of his lamp without the cathode spot—when the apparatus is adjusted for small current. He describes this as follows in his specification:

When the apparatus is adjusted to take a small current I find that the operation apparently is not that of the ordinary mercury arc, for there is no cathode spot produced on the surface of the mercury, nor does there seem to be anything equivalent thereto. On the contrary, the current flow fills the tube with a brilliant illumination taking place through mercury vapor in the tube, which illumination in appearance, at least, is exactly like that of the well-known mercury arc lamp except that there is no cathode spot on the mercury and, therefore, absolutely no flickering or pulsation in the light.

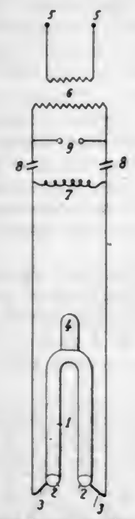
Burke testified that the Kruh device could not operate in this way without the aid of the helical cathode as an auxiliary heating device to produce some vaporization of the mercury.

The George patent, No. 1,671,109, discloses an invention relating to "a process and apparatus for increasing the emission in the ultra-violet region from mercury vapor lamps." George states in his specification that he has ascertained—

"that the higher the voltage and frequency of the [alternating] current supplied, the greater will be the radiation in the ultra-violet region."

His specification describes the lamp itself in terms of a drawing, Illustration D, as follows:

ILLUSTRATION D



The mercury vapor lamp consists of a tube 1 in the shape of an inverted U made of transparent silica, connecting two vessels 2, 2; the latter contain mercury and are fitted with the electrodes 3 . . . Along the tube 1 there is attached or fused on a vessel 4, the dimensions of which are calculated so as to ensure stable operation of the lamp. The tube is preferably filled with an inert gas, such as argon or neon, at a pressure of some centimetres of mercury, the pressure of this gas has for its object to ensure the lighting or starting of the lamp and its operation on alternating current. If preferred, without departing from the principle of the invention, the mercury vapor may be utilized alone as gas, the tension of this vapor being raised by any suitable means, such as the heating of the vessel 2, to a value adapted to ensure the lighting and operation of the lamp.

In an earlier application which ripened into Patent No. 1,361,710, George discusses in his specification the use of inert gases, saying:

Ordinary mercury vapor lamps can only work when a continuous current is used. The present invention relates to a quartz mercury vapor lamp that can work with an alternating current; this result is obtained by utilizing, for starting the arc, an inert gas such as nitrogen, neon or the like, the lamp working as a luminescence tube, until the mercury is vaporized and the arc can pass through the mercury vapor.

ILLUSTRATION E

Fig. 1

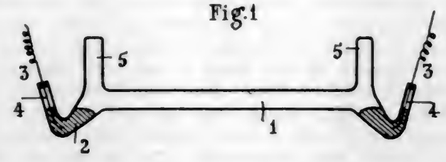
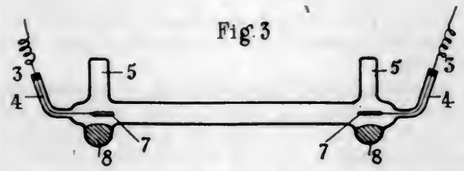


Fig. 3



In terms of a drawing, Illustration E, he describes the structure of this lamp thus:

The lamp shown in Fig. 1 consists, essentially, of an illuminating quartz tube 1 connecting two small reservoirs or chambers 2 filled with mercury. These chambers are provided with electrodes 3, formed of tungsten wire 4 set in the quartz. The lamp contains an atmosphere of inert gas under a pressure of some centimeters of mercury. This pressure depends upon the diameter of the illuminating tube, for example, for a tube having an internal diameter of 15 mm., a mercury column of 1 cm. suffices. At each extremity of the tube 1 there is connected a reservoir 5. The lamp is mounted directly on the terminals of an alternating circuit whose voltage is in keeping with the nature of the gas constituting the atmosphere within the lamp; thus by employing an atmosphere of neon gas, the voltage can be 500 volts; this voltage can be increased if nitrogen be employed. . . .

• • • • • • •

In the arrangement of Fig. 3, the two electrodes are formed by tungsten bladea 7, and the mercury vapor for forming the arc is produced by small quantities of mercury 8 situated in the neighborhood of the electrodes 7 in appropriate receptacles.

George then describes the operation of this lamp:

The functioning is as follows: On the closing of the interrupter, the tube is immediately lighted up as a luminescence tube, the arc passing through the inert gas atmosphere. The mercury which constitutes the electrode is at once vaporized; the intensity increases and passes from the order of luminescence to that of the arc in mercury vapor. The internal pressure exceeds 1 kilogram per square centimeter, and the arc assumes the form of a very brilliant cord. The presence of the inert gas necessary for starting off, should, it would seem, lower the efficiency of the mercury arc, but experience shows that, with the arrangement used, the gas and mercury vapor do not mix and that the gas tends, during the working, to localize itself apart from the arc in the cool portion of the tube. The gas localizes itself then in the reservoir 5, provided to receive it, and the illuminating tube will only contain vapor of mercury; these reservoirs thus have for effect the increase of efficiency.

The patent to Hull, Reissue No. 19,057, according to the brief for the Commissioner:

. . . was not offered as an anticipation of the claims in suit but merely for the purpose of showing that in devices of this character it was not necessary to use a mercury pool but that a small quantity of mercury could be used . . .

The Kruh patent is important in that it discloses the use of an oxide covered or Wehnelt type cathode, and the idea that a luminous discharge through mercury vapor is possible without a hot spot and with a current of low amperage. This disclosure is substantially undisputed by the appellants, except that the witness Burke testified and the appellants in their brief urge that the Kruh tube cannot operate with a low current unless the mercury is vaporized by the auxiliary heating means of the helix. George is important as disclosing the use of a rare gas to facilitate electric discharge and to permit employment of alternating instead of direct current only. The appellants urge that George's specification in Patent No. 1,671,109 states that the rare gas may be omitted and the mercury vaporized by any suitable auxiliary heating device. Nevertheless the specification does disclose the idea of the use of inert gas to accomplish the results mentioned. The appellants urge also that George uses gas at a "pressure of some centimeters of mercury" and they contend that the use of gas at high pressure will result in "a snaky discharge." But neither the Meyer claims nor the specification disclose the pressure of the rare gas used in the Meyer tube, and we agree with the statement of the Board of Appeals in the second decision that:

It seems to us it is only necessary to obtain a teaching from George of the use of argon or neon as an inert gas in the starting of a spectral ray lamp and that one skilled in the art would select a satisfactory pressure condition of such gas so as to prevent any wavy or irregular discharge.

We conclude that Kruh and George disclose the elements of the Meyer device. What Meyer and, through him, the appellants claim is fundamentally a device combining two principles: (1) that an electric discharge through mercury vapor between two metallic terminals, one of which is a Wehnelt cathode, rather than between one metallic terminal and a cathode of liquid mercury, will result in radiation of ultra violet rays; and (2) that a heavy electric discharge through a rare gas will result in ionic bombardment of the walls of the tube and of the drops of mercury condensed thereon and consequent mercury vaporization.

The Commissioner contends that, stripped of the limitations stated in functional terms, the claims in the Meyer application are literally anticipated by the substitution of the rare gas of George in the Kruh tube. To this argument the appellants make two answers: first they say that there was no reason why inert gas should be added to the Kruh lamp because Kruh employed an auxiliary heater to heat the mercury pool, and in consequence there was no need of the rare gas to vaporize the mercury; and the appellants point out that the Board of Appeals took this point of view in its first opinion, where it said: "It seems unnecessary in such arrangement to provide the neon or argon as an aid to starting." Second, say the appellants, even if rare gas is added to Kruh and Kruh's auxiliary heater dispensed with, the resulting structure is not the equivalent of the Meyer tube. The appellants argue that the large diameter of the Kruh tube and Kruh's statement that a low current is to be used negative any suggestion of causing enough ionization of the rare gas to heat the walls of the tube and thereby to heat the mercury. And the appellants conclude by urging that, even if changing the shape of the Kruh tube would result in such discharge through the rare gas as would alone create and maintain the necessary mercury vapor pressure, such a change was not obvious and would result in a wholly new type of lamp.

The Commissioner further contends that in Figure 3 of George No. 1,361,710 (Illustration E, supra), is shown a mercury tube, two pools of mercury, and two metallic electrodes adjacent to the pools, and that if for one of these metallic electrodes a Wehnelt type electrode is substituted, the resulting structure will be an embodiment of the structure of all of the Meyer claims. The Commissioner argues that the Wehnelt cathode and its characteristic property of increasing the emission of electrons upon the application of a relatively low voltage were well known and that the substitution is accordingly one within the skill of the art. In answer to this the appellants say that while it is true that the Wehnelt cathode and its characteristic property were well known, the art did not regard it as suitable for use when subjected to heavy ionic bombardment.

[1] The general principles applicable to the question whether invention exists in a combination of elements are briefly: The fact that all the elements entering into a combination are old does not necessarily negative the existence of invention. *Diamond Rubber Co.* v. *Consolidated Rubber Tire Co.*, 220 U. S. 428 (1911), 166 O. G. 251; *Iron Fireman Mfg. Co.* v. *Industrial Engineering Corp.*, 89 F.(2d) 904 (C. C. A. 7th, 1937). Such a combination may be patentable invention if it produces a new result, or an old result in a new or more efficient way. *Independent Oil Well Cementing Co.* v. *Halliburton*, 54 F.(2d) 900 (C. C. A. 10th, 1932); *N. O. Nelson Mfg. Co.* v. *F. E. Myers & Bro. Co.*, 25 F.(2d) 659 (C. C. A. 6th, 1928); see Walker on Patents (Deller, 1937) 147–49. The fact that a combination later appears to be a simple one does not necessarily negative the presence of a high degree of inventive genius. *Loom Co.* v. *Higgins*, 105 U. S. 580 (1881); *Diamond Rubber Co.* v. *Consolidated Rubber Tire Co.*, supra. On the other hand, if a combination is the result of mere mechanical skill applied to an idea or ideas previously disclosed, it is not invention. *Paramount Publix Corp.* v. *American Tri-Ergon Corp.*, 294 U. S. 464 (1935), 452 O. G. 701; see *Walker*, op. cit. supra, 138–45.

On the general subject of combinations as invention see *Claude Neon Lights, Inc.*, v. *E. Machlett & Son*, 27 F.(2d) 702 (C. C. A. 2d), 1928), *In re Armstrong*, 83 F.(2d) 924 (C. C. P. A. 1936), 473 O. G. 993, and *Wach* v. *Coe*, 64 App. D. C. 235, 77 F.(2d) 113 (1935), 453 O. G. 465; and as illustrating a somewhat liberal rule in this jurisdiction in respect of combination inventions see *In re Eastwood*, 33 App. D. C. 291 (1909), 33 O. G. 291, and *In re Lower*, 50 pp. D. C. 159, 269 Fed. 675 (1920).

We reach the conclusion that despite Kruh and George the Meyer lamp is an inventive combination. Without dispute there was need in the art of an ultra violet ray producing device free from the disadvantages which are described at the outset of this opinion; and clearly enough the Meyer device accomplishes that result. It produces ultra violet rays in a much more efficient way than before. While improvement in method through the Meyer structure may seem obvious now, we are impressed with the arguments of the appellants that it was not obvious from the prior art. We are especially impelled to the conclusion that the appellants' device is inventive over Kruh and George because that conclusion was reached by the Board of Appeals itself in its first decision and obviously would be the present view of the Commissioner except for *In re Zecher*.

In *In re Zecher* application had been made for a patent on certain improvements in "gas-filled incandescent cathode discharge tubes." Both the Primary Examiner and the Board of Appeals in the Patent Office rejected certain of the claims and the applicants appealed to the Court of Customs and Patent Appeals. That court quoted as typical of the claims involved the following:

"13. An electric discharge tube comprising in combination a wall consisting at least partly of a material transparent to ultra-violet rays, a solid incandescent cathode, at least one solid anode, a quantity of mercury and a gas."

"19. An electric discharge tube as specified in claim 13 in which the temperature of the discharge, at the tension employed, is of the order of magnitude of some hundreds of degrees C." [70 F.(2d) at 270.]

And the court stated the disclosure of the Zecher application to be:

. . . an electric discharge tube having an outer glass wall, and an inner quartz wall transparent to ultra-violet rays. The tube is so arranged that objects which are to be treated with ultra-violet rays may be inserted within the interior of the quartz tube and subjected to the action of the rays. The tube has one cathode, two principal anodes, and one auxiliary anode situated close to the cathode, used in starting the discharge within the tube. The cathode is, preferably, constituted by a tungsten helix which has wound on it a nickel wire, and the cathode is superficially coated with barium oxide. The discharge tube contains a small quantity of mercury and argon, the argon being to facilitate the discharge. . . . [70 F.(2d) at 270.]

Holding the claims unpatentable over Kruh when considered with George No. 1,671,109, the court said:

The reference Kruh discloses a discharge tube having one incandescent cathode and two anodes, one of these being auxiliary, a body of mercury within the tube, and the cathode coated with an oxide.

The patent to George makes a complete disclosure of the use of quartz envelopes as a source of ultra-violet rays. This patent also fully discloses the use of mercury and of an inert gas, such as argon or neon, to insure easy lighting and starting of the mercury lamp. . . .

A reading of claims 13, 14, 15, and 16 discloses that every element in these claims is anticipated by the prior art, as shown by the references. The said claims are so drawn that they will read upon a glass tube equally as well as upon a quartz tube. It is shown by the record that glass is transparent to ultra-violet rays to a certain degree. Even if this were not true, the claims are so drawn that the references, inasmuch as they disclose the use of quartz envelopes, fully cover the field of these claims. [70 F.(2d) at 270.]

We have respect for the decisions of the Court of Customs and Patent Appeals as an expert tribunal in patent cases, and if *In re Zecher* were a decision which principally considered the same issue as that in the instant case, and if the court in *In re Zecher* had had the advantage of the testimony and of the briefs in the instant case, we should regard it as highly persuasive. But from examination of the record and briefs in *In re Zecher* the following appears: Zecher's discharge tube was shaped like a wide "U". The three inner surfaces of the tube were made of quartz, because of its perviousness to ultra violet rays; and the outer surfaces were made of glass because of its property of being largely impervious to ultra violet rays. It was explained in the brief for Zecher that ultra violet radiation can cause severe burns upon the human body, and it was stated that the purpose and object of the invention was to enable ultra violet ray treatments to be given by inexperienced workers in a safe, economical and effective way. And it was explained that with the tube shaped and fabricated of combined glass and quartz as above described, that portion of the human body to be treated could be surrounded by the quartz and thus exposed to ultra violet radiation, whereas the operator would be largely protected against exposure by the exterior glass walls. And the issue principally discussed in the briefs, both of Zecher and of the Commissioner of Patents, was whether or not an ultra violet ray discharge tube shaped and fabricated as above described, with the principal object of safety for the operator, was invention. No such question is presented in the instant case. Moreover the record in *In re Zecher* shows that neither the Court of Customs and Patent Appeals nor the tribunals of the Patent Office had the advantage of testimony like that in the instant case, and it was therefore not made apparent either in the court or in the Patent Office in *In re Zecher* that the combination of elements and principles involved in the Meyer application—and possibly under the Zecher claims—would result in elimination of the disadvantages of the early art and the accomplishment of production of ultra violet rays in a much more efficient way.

[2] We think accordingly that *In re Zecher* is largely without persuasive value for the instant case, and being convinced on our own part that invention resides in the Meyer claims and that the first decision of the Board of Appeals thereon to such effect was sound, we conclude that a patent should have issued to the appellants and that the trial court should have so ruled. This case is therefore

Reversed and remanded for further proceedings in accordance with this opinion.

U. S. Court of Customs and Patent Appeals

CREED AND SALMON *v.* POTTS

SALMON *v.* POTTS

BANCROFT *v.* POTTS

GRIFFITH *v.* POTTS

Nos. 3,955, 3,956, 3,957, and 3,958. Decided April 25, 1938

[96 Fed.(2d) 317]

1. INTERFERENCE—ISSUES TO BE DETERMINED.
"We find no error in the exclusion of such testimony or refusal by the Patent Office tribunals to consider grounds of inoperativeness of appellee's device not embraced in the motion papers upon which leave to take the testimony was granted. *Hopkins* v. *Peters*, 44 App. D. C. 196, 223 O. G. 649."

2. SAME—SAME.
In so far as it embraces a statutory bar to the granting of a patent on a reissue application, contention that reissue application was for different invention than that disclosed in applicant's patent *Held* ex parte question not ancillary to the issue of priority.

3. SAME—SAME.
In so far as it involves the question of whether applicant's patent and original application discloses the invention involved, upon which patent applicant was entitled to rely for conception and reduction to practice, contention that reissue application was for different invention than that disclosed in applicant's patent *Held* matter directly involving the question of priority of invention.

4. SAME—PRIORITY.
Record reviewed and *Held* priority properly awarded senior party P whose reissue application was found to support the counts involved.

APPEALS from the Patent Office. Affirmed.

Mr. Paul Kolisch and *Mr. Edward D. Phinney* for Creed et al., Salmon, Bancroft, and Griffith.

Mr. E. W. Adams and *Mr. J. W. Schmied* (*Mr. W. F. Simpson* of counsel) for Potts.

LENROOT, *J.*:

These appeals involve four interference proceedings in the United States Patent Office. Each of the interferences involves a reissue application of appellee, filed April 10, 1931, for the reissue of a patent, No. 1,708,954, issued to appellee on April 16, 1929, upon an application filed September 17, 1925.

In appeal No. 3955 the interference arises between said reissue application and a patent, No. 1,827,460, issued to appellants Creed and Salmon on October 13, 1931, upon an application filed on December 22, 1928. The interference was declared as of June 12, 1934, and embraces five counts, the same corresponding to claims copied by appellee from appellants' said patent.

In appeal No. 3956 the interference is between said reissue application and a patent, No. 1,895,107, issued to appellant Salmon on January 24, 1933, upon an application filed on September 24, 1930. The interference was declared as of September 19, 1934. One count is involved, the same corresponding to a claim in appellant's patent, copied by appellee.

In appeal No. 3957, the interference arises between said reissue application and a patent, No. 1,931,099, issued to appellant Bancroft on October 17, 1933, upon an application filed on February 26, 1932. The interference was declared as of September 19, 1934. Two counts are involved; they correspond to claims of appellant's patent, copied by appellee.

In appeal No. 3958 the interference is between said reissue application and a patent, No. 1,924,357, issued to appellant Griffith on August 29, 1933, upon an application filed on April 30, 1932. The interference was declared as of September 19, 1934, and involves four counts, corresponding to claims of appellant's patent, copied by appellee.

After the declarations of the interferences, the appellants Creed and Salmon in appeal No. 3955 filed a preliminary statement. The appellants in the other three cases filed no preliminary statements. Appellee filed preliminary statements in all of the cases.

In appeal No. 3955, the preliminary statement of the appellants alleged conception of the involved invention subsequent to the filing date of the application upon which appellee's said patent was issued, and appellants in that case were, on August 7, 1934, required to show cause why judgment upon the record should not be entered against them. Like orders were subsequently made in the other three cases.

Within the motion period, motions to dissolve were made by the several appellants in each of the interferences. The same general grounds for dissolution were set up in each of said motions, the same being that appellee had no right to make the counts, that the disclosure of appellee is inoperative, and that appellee is estopped from making the counts.

Each of said motions to dissolve was denied by the Primary Examiner.

After said decisions denying the motions were entered, the appellants in each of the four cases filed requests to take testimony with respect to the meaning of the terms used in the counts and in the patents where they originated, and for the purpose of establishing by expert testimony that the structure disclosed in appellee's patent is inoperative. The particular points of alleged inoperativeness were set out in two affidavits by Bancroft, the appellant in appeal No. 3957.

The Examiner of Interferences denied the motions insofar as they related to the meaning of the terms used in the counts, but granted the motions to take testimony with respect to the inoperativeness of appellee's structure, but only insofar as specific features of such alleged inoperativeness were set out in said motions and in the affidavits of said Bancroft.

The motions to take testimony, and the decisions thereon, in appeals Nos. 3956, 3957, and 3958, are not contained in the record, but are referred to in the decisions of the Patent Office tribunals.

Subsequent to the granting of such motions, testimony was taken applicable to the four interferences in behalf of all the appellants, and testimony was also taken in behalf of appellee.

It appears from the record that, after such testimony was taken, appellee moved in each of the interferences to strike out certain portions thereof upon the ground that they related to matters outside the scope of the issues fixed by the Examiner of Interferences in his decision granting the motions to take testimony.

All of the appellants are represented before us by the same counsel. The testimony taken applies to all of the appeals. By stipulation, the records in the four appeals were consolidated and, inasmuch as the issues before us are for the most part common to all of the appeals, we shall dispose of the four cases in a single opinion. For the sake of brevity, and to avoid repetition, we have stated the foregoing facts with reference to all of the appeals; from this point, however, we shall proceed to consider the appeals separately.

Appeal No. 3,955—Interference No. 68,621

In this appeal count 1 is illustrative and reads as follows:

1. Telegraph reproducing apparatus comprising signal reproducing means adapted to remain in the position into which it was last moved, independent means positioned in accordance with received signals, and means subsequently acting once in each signal period to cause the said independent means to act on the signal reproducing means.

The subject matter of the interference is stated by the Examiner of Interferences as follows:

The subject matter of the interference relates to telegraphic reproducing apparatus wherein mechanical means acted upon by the signal responsive means actuates the signal reproducing means. The mechanical means comprises a series of elements which are positioned in accordance with the pulses of a five unit code and during each signal period these elements act on a reproducer in accordance with their position.

Upon final hearing, the Examiner of Interferences granted appellee's motion to strike out testimony insofar as the same related to features of alleged inoperativeness not set forth in the motion papers or supporting affidavits upon which leave to take testimony was granted.

The Examiner of Interferences then proceeded to analyze the testimony with respect to the features of alleged inoperativeness which, he held, were within the issues upon which the taking of testimony was allowed, while he found that, as disclosed, certain features of appellee's structure were inoperative, he invoked the well established rule that an invention disclosed will not be held to be inoperative if it may be rendered operative by a skilled mechanic, without the exercise of invention. Applying this rule, he held that appellants had failed to establish by a preponderance of evidence the inoperativeness of the device disclosed by appellee.

In appellants' motion to dissolve, in addition to the allegation of inoperativeness, it was contended that appellee had no right to make the counts and that appellee was estopped from making the counts by reason of laches, and by reason of the alleged fact that the invention defined in appellee's reissue application is for a different invention than that claimed in appellee's original patent. The Primary Examiner held that the counts read upon appellee's application and patent, and therefore denied appellants' motion upon this ground. With respect to the ground of estoppel set up in appellants' motion, the Primary Examiner held that the invention claimed in the reissue application of appellee was the same invention disclosed in his patent, and that there was no laches in appellee's making the claims corresponding to the counts involved in this appeal.

The Examiner of Interferences refused, under rule 130 of the United States Patent Office, to consider questions raised in the motion to dissolve other than the question of inoperativeness of the device disclosed by appellee. Having held that said device, as disclosed in appellee's patent, was operative, he therefore awarded priority of invention to appellee.

Appellants appealed to the Board of Appeals. From the decision of the Board we gather that appellants in this appeal did not contend before the Board that appellee could not make the claims corresponding to the counts, but urged only the inoperativeness of appellee's device disclosed by him, and that appellee's reissue application is for a different invention than the one defined in appellee's patent. With respect to the last-above stated contention of appellants, the Board refused to consider it, holding that this question was an ex parte matter and not ancillary to the question of priority.

The Board affirmed the ruling of the Examiner of Interferences striking out certain testimony and declining to consider certain other testimony with respect to inoperativeness of appellee's device in particulars not set forth in appellants' motion to take testimony and the affidavits in support thereof.

The Board further held that appellee's device had not been shown to be inoperative, and affirmed the decision of the Examiner of Interferences awarding priority of invention to appellee with respect to all of the counts involved in this appeal. From such decision appellants took this appeal.

Appellants contend that much of the testimony stricken out was given without objection; that some of it was elicited by counsel for appellee, and that therefore the Patent Office tribunals erred in refusing to consider such testimony with respect to grounds of inoperativeness not specifically set forth in the motion papers upon which leave to take testimony was given.

[1] We find no error in the exclusion of such testimony or refusal by the Patent Office tribunals to consider grounds of inoperativeness of appellee's device not embraced in the motion papers upon which leave to take the testimony was granted. *Hopkins* v. *Peters*, 44 App. D. C. 196, 223 O. G. 649.

The device here involved is extremely complicated, and the technical questions involved relative to inoperativeness are many. It would be impossible in this opinion to state in detail the particulars in which inoperativeness is claimed, without the use of complicated drawings, and we shall not undertake to do so. The record comprises a volume of 726 pages; we have read it with care, together with the extensive briefs of the parties upon the questions involved.

The rule is here particularly applicable, upon the question of operativeness of appellee's device, that concurring decisions of the Patent Office tribunals will not be disturbed by us unless they are manifestly wrong.

That appellee's device, as disclosed, is inoperative in some respects, is conceded by appellee, and was so found by the Patent Office tribunals; but it is the contention of appellee, and the holding of the Board of Appeals, that such changes as would be necessary to make the device operative would be obvious to one skilled in the art. We are not convinced that the Board of Appeals erred in so holding.

Much of the controversy revolves around the question of whether a certain second stop pin upon a cam of appellee's device, which second stop pin is not shown in appellee's patent drawings or specifically referred to in his specification, was so obviously necessary to make the device operative that one skilled in the art would, in the exercise of mechanical skill, supply it. The cam in question, numbered 524 in appellee's patent drawings, as there shown, carries only one stop pin. It is conceded that a second stop pin, diametrically positioned on said cam, opposite said first stop pin, is required to make appellee's device operative. The Board of Appeals, with reference to this matter, stated:

The first point of inoperativeness to be considered is the omission of a second stop pin 533 from Fig. 12 of the Potts' disclosure.

During the motion period, appellants moved to dissolve on the ground that Potts' disclosure was in operative and urged the same point. The Primary Examiner, on pages 27 to 30 of his decision (paper No 18), thoroughly analyzed the disclosure of Potts and came to the conclusion that it clearly indicates that a second stop pin was intended to be employed and that it would be added by any one skilled in the art without requiring invention in the making of the Potts structure. The various reasons are given so fully in the Primary Examiner's decision that it is not deemed necessary to repeat them here but we refer to that decision for our reasons. We fully concur with the position taken in that decision. The Examiner of Interferences has also set forth in the paragraph beginning with line 25, page 7 of his decision the principal teaching in the patent that would indicate to anyone skilled in the art and reading the patent that a second stop pin is to be used. As pointed out in this paragraph there would be no joint control by the start-stop distributor and the multiplex distributor through levers 528, 534, 535 of the second five unit code signal stored as required by the application, page 24, lines 35–44, if the second stop pin is not present. It is also to be noted that in Potts, Fig. 12, the cam 524 is provided with a raised portion. This raised portion apparently would have no function if there is not a second stop pin present. Bancroft, the expert who testified for appellants, was unable to find any function for the raised portion on this cam if ther was no second pin present (C. & S. record, p. 70, Q. 171).

It may be noted further that there are two sets of lugs on the cams 536 and 537. One set would apparently have no function if there were no second stop pin present. Bancroft failed to discover any function for the second set if no second pin was present (C. & S. record pp. 70, 71, 72).

It appears that during the prosecution of appellee's reissue application, appellee made certain amendments thereof, among them one disclosing a second stop pin upon the disk or cam 524, above referred to, which amendment, appellants contend, constitutes new matter, and appellants contend further that this second stop pin was not omitted by inadvertence from appellee's original application upon which his patent was issued, but that such omission was deliberate and intentional. Much testimony was taken upon this point.

Appellee attached a drawing to an affidavit which was filed in support of certain amendments, including the addition of a second stop pin. The affidavit states that said drawing was furnished to the general patent attorney of the Western Electric Company (assignee of appellee) on or about March 29, 1922.

Said drawing was offered in evidence by appellants, marked Exhibit 3. This drawing discloses two stop pins on said cam or disk 524, whereas, as hereinbefore stated, appellee's patent drawings disclose only one stop pin on said cam 524. The drawing is marked 3/8/22, which, it is conceded, means March 8, 1922, as the date of the drawing. It is not signed or initialed by anyone.

Appellants introduced in evidence Exhibit 4, being a photostatic copy of an original drawing; they also introduced in evidence Exhibit 5, also a photostat, being an enlargement of Exhibit 4. In the lower right-hand corner there are certain notations, one of which reads "Approved L. M. P." In the upper right-hand corner there is the following:

Issue 1	3–8–22	App
Spring removed from #5 rod		
Lug removed from sending start disc		
Relay added to start circuit		
Issue 2	6–1–23	LMP

The drawing discloses but one stop pin. It is conceded that, in both instances where they appear on said exhibits, the letters "LMP" are the initials of appellee, placed by him upon the original drawing. It is not denied by appellee that the term "lug," used in the upper right-hand notation, means the same thing as "stop pin."

This drawing corresponds very closely to Figure 12 of appellee's patent drawings, and it is observed that the date of Exhibit 4 is subsequent to the date of Exhibit 3, relied upon by appellee to establish that the second stop pin was omitted from appellee's patent drawings through inadvertence

From the foregoing, appellants argue that such omission was deliberate and that its omission from the patent drawings cannot be excused on the ground of accident or inadvertence.

It is our view, however, that if the need of the second stop pin would be obvious to one skilled in the art, as was held by the Board of Appeals, the amendment supplying the second stop pin did not constitute new matter, and, so far as operativeness of appellee's device is concerned, it is immaterial whether the second stop pin be specifically disclosed in his application, or would necessarily be supplied in the building of the device by one skilled in the art, without the exercise of invention. In this view of the matter, we regard it as immaterial, so far as this interference proceeding is concerned, whether the omission of the second stop pin in appellee's patent drawings was in advertent or not.

Moreover, after reciting the above facts with respect to Exhibits 3, 4, and 5, the Board of Appeals in its decision stated:

To overcome the above evidence, Potts submitted testimony of witnesses. Whitfield, one of the attorneys work-

ing for the Western Electric Company in 1923 and who had some part in the preliminary work leading to the preparation of the Potts application, was called as a witness by Potts. A memorandum dated August 31, 1923, bearing the typewritten name at the bottom H. B. Whitfield was also introduced by Potts as Exhibit 32. Whitfield testified he recalled making the memorandum and the discussions and conversations with Potts at that time. One part of this memorandum reads—

"The only change that has been made in this part of the mechanism is the removal of a spring from one of the selecting rods and the addition of a relay."

Whitfield testifies that this memorandum was written after a thorough discussion with Potts of the subject matter. He did not list the removal of the stop pin because he regarded that this change would render the device inoperative. He states that if Potts had not concurred in this change he would have listed this change (Potts record pp. 161–163).

Mr. McKenney was called as a witness by Potts. He prepared the original application which resulted in the Potts patent. A print was also submitted as Exhibit 24. This print shows the Potts Figs. 12–17. Notations also appear on the print designating certain changes to be made. One of the notations is "2 stop pins." The pins are also indicated. McKenney testified that these notations were not placed on the print after the Potts application was filed. He testified that it was his custom to submit the prints to inventors for their approval after the application was prepared in draft form.

From the above testimony there is considerable ground for believing that the second stop pin was intended to be present and its omission was due to the draftsman who prepared the drawing for the original application. Coupled with the fact that the entire structure shown and described in the Potts patent indicates that a second stop pin is to be used, the conclusion seems apparent that the second stop pin was inadvertently omitted by the draftsman.

Supplying the second stop pin in the Potts patent is believed to be obvious to anyone reading the disclosure. The witnesses Bacon, Rasmussen, Dubuar and Przyslecke after reading the patent came to the conclusion that the second pin was a part of the device. Rasmussen made a notation on a copy of the patent in 1934 that a second pin should be shown in the drawing. This was at a time before Rasmussen had seen either the junior parties' Exhibit 4 or Potts Exhibit 32.

It is our view that the addition of a second stop pin to Potts reissue drawing was not new matter but that there is sufficient teaching in the original patent application that such pin was used. It was apparently inadvertently omitted and supplying it was obvious to anyone skilled in the art.

In view of the record, we are not satisfied that the Board erred in holding that appellee's device should not be held to be inoperative by reason of the failure to specifically disclose in his application, upon which appellee's patent was issued, a second stop pin upon said disk or cam 524.

Various other grounds of inoperability, alleged in appellants' motion and affidavits upon which leave to take testimony was granted, were fully considered by the Patent Office tribunals, and they concurred in finding that, either the device as disclosed was clearly operative, or that, where not clearly operative, one skilled in the art would, upon reading appellee's disclosure, make the device operative without the exercise of the inventive faculty.

After a careful examination of the record and the briefs of the parties, we are not satisfied that the Board of Appeals erred in holding that appellants' contentions of inoperativeness of appellee's device had not been established, either with respect to the second stop pin hereinbefore discussed, or with respect to any of the other grounds of inoperativeness relied upon by appellants.

Appellants further contend that appellee's reissue application is for a different invention than that disclosed in his patent, and for that reason the interference should have been dissolved.

The Board of Appeals held that this is an ex parte matter and does not relate to the issue of priority. Appellants assign error with respect to this ruling.

[2] Insofar as appellants' contention embraces a statutory bar to the granting of a patent upon appellee's reissue application, we agree with the Board that this is an ex parte question not ancillary to the issue of priority. *Norling* v. *Hayes*, 37 App. D. C. 169, 166 O. G. 1282.

[3] However, insofar as such contention involves the question of whether appellee's patent and original application discloses the invention here involved, upon which patent appellee is entitled to rely for conception and reduction to practice of the invention, it is a matter directly involving the question of priority of invention. *Kollsman* v. *Carbonara*, 24 C. C. P. A. (Patents) 1149, 88 F.(2d) 966, 484 O. G. 976.

The Patent Office tribunals have found that the amendments made by appellee during the prosecution of his reissue application did not constitute new matter, with which holding we are in agreement. Inasmuch as it was stipulated in the record that appellee's reissue application, as originally filed, was identical with the specification and drawings of appellee's patent, it necessarily follows that the invention here involved is the same invention as that disclosed by appellee's patent, unless it should be held that appellee's reissue application does not support the counts involved in this appeal. While appellants did so contend in their motion to dissolve, such question is not argued in appellants' brief, insofar as this appeal is concerned, and, as hereinbefore stated, this point was not specifically referred to by the Board of Appeals in its decision.

We find no ground for holding that appellee's reissue application does not support the counts here involved.

Appellants' reasons for appeal set out other grounds for reversal of the decision of the Board of Appeals; we have given them careful consideration and are of the opinion that they present no reasons for reversing the decision of the Board.

It is our opinion that the decision of the Board of Appeals should be affirmed.

Appeal No. 3,956—Interference No. 69,363

In this appeal the issue is composed of a single count, which reads as follows:

1. In a telegraph system, a rotating shaft, a plurality of sleeves frictionally mounted on and driven by said shaft, electromagnetic means effective upon the reception of signals for releasing one of said sleeves for rotation and means actuated after said first sleeve has completed a predetermined portion of a revolution for releasing another sleeve for rotation, and signal reproducing means actuated by said last-mentioned sleeve.

The subject matter involved is stated by the Examiner of Interferences as follows:

The invention in issue relates to a translator for a multiplex telegraph system. The translator comprises a rotary shaft having a plurality of sleeves frictionally mounted on and driven by the shaft. On the reception of signals electromagnetic means releases one of the sleeves for rotation and after this sleeve has completed a predetermined portion of its rotation the other sleeve is released for rotation. The second sleeve actuates a signal reproducing means.

Substantially the same record was made in this appeal as was made in appeal No. 3955, and the same issues are presented for decision, viz., that the device disclosed in appellee's application is inoperative, and that its defects could not be cured by one skilled in the art without the exercise of the inventive faculty; that the Board of Appeals erred in refusing to consider certain testimony and in affirming the decision of the Examiner of Interferences striking out certain testimony; and that appellee's reissue application is for a different invention than the one covered by his patent.

Each of these issues was presented in appeal No. 3,955, and the same testimony is relied upon by appellant here as was relied upon by the appellants there.

The reasons given by us in appeal No. 3955 for affirming the decision of the Board of Appeals in that case are applicable here, and control our decision upon this appeal. Hence the decision of the Board of Appeals will be affirmed.

Appeal No. 3,957—Interference No. 69,364

In this appeal the issue is composed of two counts, of which count 1 is illustrative and reads as follows:

1. In a regenerative repeater, the combination of a relay for receiving signals, a rotatable device provided with a plurality of slides adjustable to one of two operating positions, means for positioning said slides intermediate said operating positions, switching means associated with said receiving relay and placed immediately subsequent to said slide positioning means with respect to the rotation of said rotatable device to position said slides in one of said operating positions, a set of transmitting contacts, and means associated with said slides to operate said contacts immediately following the positioning of said slides.

The Examiner of Interferences in his decision stated:

The issue relates to a regenerative repeater of the start-stop type. Means is provided for receiving signals of two different characters and a rotatable member carrying movable slides is controlled by the signal receiving means which causes a single rotation of the rotatable member. A positioning member movable to one of two positions in accordance with the character of the received signal controls the positions of the slides during the rotation of the rotatable means. A set of contacts is operated by the slides to transmit signals similar in character to those received.

In this appeal the same issues are presented as are involved in appeals Nos. 3955 and 3956, and the same testimonial record is relied upon by appellant here as was relied upon by the appellants in said appeals. However, in this appeal an additional question is argued in appellant's brief, viz., the question of appellee's right to make the claims corresponding to the counts here involved.

Except as to this question of whether the counts here involved read upon appellee's reissue application, all that has been said in appeals Nos. 3955 and 3956 with respect to the issues there involved is applicable here, and the reasons we there gave for our conclusions are controlling here.

Upon the question of the right of appellee to make claims corresponding to the counts here involved, it is the contention of appellant that appellee's reissue application does not disclose "a regenerative repeater," as set out in count 1, or "a start-stop regenerative repeater," as set out in count 2; and also that appellee does not disclose "means for positioning said slides intermediate said operating positions," as set out in count 1.

With respect to the right of appellee to make claims corresponding to the counts, the Board of Appeals in its decision stated:

The first point to be considered on this appeal is whether the counts are supported by the Potts' disclosure. Bancroft made a motion to dissolve on the ground that Potts cannot make the counts of the issue. The Examiner of Interferences held that he could make them. The Examiner applied the counts to the form shown in Figs. 18–21 of the Potts' patent. He regarded these figures as showing a regenerative repeater. The party Bancroft urges that Potts shows no regenerative repeater. The Primary Examiner pointed out in his decision on page 2 (Paper No. 13) and Potts has also pointed out in his brief on page 18 that it is proper to designate his structure as a regenerative repeater. We are in accord with this holding for the reasons fully set out by the Primary Examiner and appellant [appellee]. It is pointed out that the term "regenerate" as applied to telegraph impulses means "reform." In Potts' device, the impulses are reformed. The outgoing impulses at the contacts 562 and 563 are independent of the incoming impulses in shape and duration and hence they are reformed or regenerated. The brief of Potts on pages 19, 20 and 21 applies the elements of the counts to the Potts' structure as shown in Figs. 18–21. It appears to us that they read directly on the Potts' structure in the same sense that they read on Bancroft. The party Bancroft in his brief does not discuss Figs. 18–21, but refers to Figs. 10–17. We need not consider these figures as long as the counts read on Figs. 18–21. Our view, therefore, is that Potts is clearly entitled to make the counts.

The decision of the Primary Examiner referred to in the above quotation is not found in the record. Appellant's counsel in their brief have not discussed the finding of the Board that the counts read directly upon appellee's structure, as shown in his drawings, Figures 18–21. We are in agreement with the Board in its application of the counts.

Appellant's counsel further contend that the translators disclosed by appellee are not used for repeating signals from one start-stop line to another. We find nothing in the counts with respect to the use of translators, and we agree with appellee's counsel that said contention of appellant is immaterial to the question here involved.

The decision of the Board of Appeals in this appeal will be affirmed.

Appeal No. 3,958—Interference No. 69,365

This appeal embraces four counts. Count 1 is illustrative and reads as follows:

1. In a translating or selecting mechanism for start-stop apparatus, a continuously rotatable driving means, operating cam means, a clutch therefor, and separate cam means effecting the release of said clutch after a predetermined portion of a revolution.

The issue is stated in the decision of the Examiner of Interferences as follows:

The issue relates to a start-stop signal transmitter. The transmitter comprises signal cam means having clutch driving means. A friction clutch controls the rotation of independent controlling cam means and means is operable during rotation of the controlling cam means for controlling the rotation of the signal cam means.

While, as in the other appeals, appellant's motion to dissolve includes the ground that appellee's disclosure does not support the counts, and the failure of the Board so to hold is included in appellant's reasons for appeal, this question is not discussed in appellant's brief and was not referred to by the Board in its decision. We assume that this question was not urged before the Board. At any rate, we find nothing in the record to warrant a holding that appellee's disclosure does not support the counts.

In all respects the issues presented in this appeal are the same as those presented in appeal No. 3955, and our decision in that appeal controls our decision

here. Therefore the decision of the Board of Appeals will be affirmed.

[4] For the reasons herein stated, the decision of the Board of Appeals in each of the appeals before us, numbered 3,955, 3,956, 3,957, and 3,958, is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE NEWTON AND GRETTIE

No. 3,891. Decided April 25, 1938

[96 F.(2d) 291]

PATENTABILITY—SHORTENING AND PROCESS OF TREATING SAME.

Claims for a dry shortening and claims for a process of treating same *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Roy W. Johns for Newton and Grettie.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

JACKSON, *J.:*

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Primary Examiner rejecting claims 30 to 34, inclusive, and 37 to 56, inclusive, all of the claims of appellants' application for a patent, for lack of invention over the prior art, and as failing to define invention.

The Board did not agree with the Examiner that certain claims should be allowed if they included certain limitations set forth by the Examiner in his statement. Since these claims were not amended to meet the views of the Examiner, it is not necessary to discuss the disagreement of the Board with that portion of the Examiner's statement.

Claims 31, 40, and 48 are illustrative of the subject matter involved, and read as follows:

> 31. The process of improving dry shortening products in regard to capacity to mix with or cream in the other ingredients of a baker's mixture which comprises adding thereto a relatively small amount of a substance of the class consisting of glycerol mono-stearate, glycerol di-stearate, and mixtures thereof sufficient to substantially increase the creaming properties of such shortening but insufficient to substantially affect the natural consistency thereof.
>
> 40. A dry shortening comprising a substance of the class consisting of oil, fat and mixtnres of oil and fat which has been refined, hydrogenated, deodorized, and chilled having added thereto a small amount of a substance of the class consisting of mono-acid glycerides of higher fatty acids, di-acid glycerides of high fatty acids, and mixtures thereof in amounts sufficient to substantially increase the creaming properties of such shortening but insufficient to substantially affect the natural consistency thereof.
>
> 48. A dry shortening comprising a substance of the class consisting of oil, fat and mixtures of oil and fat having added thereto, to produce a creaming shortening, approximately one to two tenths of one per cent of a substance of the class consisting of glycerol mono-stearate, glycerol di-stearate, and mixtures thereof.

The references cited are: Ellis, 1,261,911, April 9, 1918; Ellis, 1,547,571, July 28, 1925.

Procter & Gamble Company (British patent), 425,980, March 13, 1935, was discussed by the Examiner but not relied upon as a reference. This patent is admittedly not early enough to be a reference, and, since it was not referred to in the decision of the Board, it is not necessary to discuss it here.

The patent to Ellis, 1,261,911, relates to a process of hydrogenating resistant fatty material for edible purposes. The resultant product appears to be an edible fatty material which contains varying percentages of mono-glyceride or di-glyceride or both. The patent discloses as follows:

> The present invention contemplates the treatment of fatty acids such as oleic, linolic, linolenic acids and the like with glycerin or other esterifying material of equivalent character to form the various glycerides of such fatty acids. While, tri-glycerides may be prepared, it is more particularly the object to produce mono and di-glycerides of such fatty acids, or other acids reacting in a like manner. It is further an object to esterify fats or oils containing more or less free fatty acid to produce a less acid or substantially neutral product. Another object of the invention is to produce from stearic acid or similar saturated acids the mono, di and tri-glycerides or other ester. * * *

In addition to the production of mono-glycerides and di-glycerides of the fatty acids, the patent also shows a treatment of oil with glycerine to produce mono-glycerides or di-glycerides as follows:

> The oil and glycerin in the desired proportion to produce the particular ester or mixture of esters desired, is heated to near the boiling point of glycerin under normal atmospheric pressure, or about 250–285° C., while a current of hydrogen gas is passed rapidly through the mixture for a period of time, until the requisite amount of the ester has been formed.

Ellis Patent 1,547,571 relates to synthetic edible fats, "especially to a fatty product obtained from glycerin and stearic acid." It shows the addition of mono-glycerides and di-glycerides to various vegetable and animal fats or oils in amounts varying from 10 per centum to 30 per centum, and also states that "even lesser * * * quantities" may be used. A product of the patent is stated to be excellent for cooking purposes.

It will be observed that the process and product claims herein are so closely related that they may be discussed together. While we have carefully examined each of the twenty-five claims before us, we do not consider it necessary to deal with them separately. It appears to us that they are so unnecessarily numerous in describing a process and a product not intricate or involved, as to come within the condemnation expressed in *Electrical Engineers' Equipment Co.* v. *Champion Switch Co.*, 23 F.(2d) 600, 379 O. G. 697.

The question determinative of this issue is whether the Ellis patents disclose appellants' process and product.

The claims here, both for process and product, may be divided into two groups. In one group there is a numerical percentage limitation of from 0.1 to 0.2 per centum of the glycerides used. These limitations are stated by appellants to be directed to the lower limits of effectiveness. In the other group there is a quantitative limitation in terms of function, in that an amount of glycerides is added, sufficient to substantially increase the creaming properties of the shortening but insufficient to substantially affect the natural consistency of the shortening.

With respect to the group containing the numerical percentage limitation, appellants' specification does not teach that the percentages are critical, but it does teach that more than the quantity set out may be used. In Ellis Patent 1,547,571, it is stated that less than the lowest percentage named may be used. No critical amount is taught by the Ellis patent. Since appellants may use more than 0.2 per centum and Ellis less than 10 per centum of the same glycerides with the same oils or fats, we can perceive no difference in the processes, and should Ellis desire to reduce his glyceride percentage to the numerical limitation shown in this group of rejected claims, which he properly can do, we can see no difference in the product.

As to the group of claims which sets up functional limitation, the Board stated that—

> These claims and the other claims referred to above attempt to avoid Ellis by stating that the natural consistency of the oil is not affected by the amount of the additional agent used. We find nowhere in applicant's specification a statement to this effect, but do find that in so far as percentages are concerned, the amount to be added is approximately .1–.2% of additional agent.

We believe this reasoning of the Board to be correct.

Neither of the Ellis patents discloses the creaming properties of his edible product, but in our opinion this function is inherent. It cannot be otherwise. The refined oil or fat is not part of appellants' invention, and some of the oils set forth in Ellis Patent 1,547,571 are edible and undoubtedly fitted for exactly the same use as those of applicants. The amounts of glycerides used may be the same both in the Ellis Patent 1,547,571 and in the claims. The product of the patent may be employed in cooking exactly in the same fashion and with the same results, as we view it, as the product of the appealed claims.

We have examined with care the affidavits which were filed on behalf of appellants. They show very clearly the experiments that were made in the use of appellants' product in the making of cakes, and are quite convincing as to the advantage to the art of cake baking by the use of the product with reference to its creaming properties. But we are of opinion that the properties of creaming necessarily follow the Ellis disclosures.

Even though appellants may have found a new property possessed but not even thought of by Ellis, they are not entitled to a patent. Apparently appellants have disclosed properties that were not disclosed in the references. On this state of facts we think the law has been settled in the case of *In re James*, 23 C. C. P. A. (Patents) 1124, 83 F.(2d) 313, 471 O. G. 251. In that case the court said—

> The mere fact that appellant may have made certain disclosures as to properties not disclosed in the patent is not of itself sufficient to support an additional patent. It seems to us that there is in brent in the patent all that appellant claims here, and that the teachings of the application involved do not embrace matter allowable over the patent. He may teach here a scientific explanation, not given in the patent, as to results obtained by the patent process, but he is not entitled to patent for such scientific explanation.

From what has hereinbefore been said, it would seem that Ellis Patent 1,261,911 discloses the process of forming the glycerides in the fat or oil itself, and also the process of adding the glycerides to the oil or fat. Ellis Patent 1,547,571 discloses the glycerides added to the edible oils, and sets forth that less than the minimum percentage may be used. Since the products and the process are the same in both the application and the references, the decision of the Board was proper.

As we are of opinion that the claims were properly rejected as reading on the references, it is not necessary to consider the second ground of rejection.

In accordance with what has been said herein, the decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,434,710, A. B. Lantz, Automatic non-rigid hay fork, 1,489,256, same, Flexible-tine hay fork, filed Aug. 8, 1938, D. C., N. D. Ill., E. Div., Doc. 16182, *B. H. Lantz et al.* (*Lantz Mfg. Co.*) v. *H. D. Hudson Mfg. Co. et al.*

1,489,256. (See 1,434,710.)

1,536,044, J. W. Swan, Method and means to facilitate the distribution of fuel in internal combustion engines; 1,636,721, same, Manifold, D. C., E. D. Mich., S. Div., Doc. 4746, *The Swan Carburetor Co.* v. *Reo Motor Car Co.* Dismissed without prejudice Aug. 26, 1938.

1,581,377, 1,581,378, 1,581,379, J. W. Bishop, Pin setting machine; 1,626,446, same, Machine for setting ten pins; 1,714,310, E. Hedenskoog, Ball retarder for bowling alley; T. M. 291,138, The Brunswick-Balke-Collender Co., Lacquer for bowling pins; T. M. 341,080, same, Bowling pins, filed July 11, 1938, D. C., N. D. Ill., E. Div., Doc. 16152, *The Brunswick-Balke-Collender Co.* v. *National Billiard Supply Co.*

1,581,378. (See 1,581,377.) 1,581,379. (See 1,581,377.)

1,626,446. (See 1,581,377.) 1,636,721. (See 1,536,044.)

1,646,009, H. M. Cameron, Scale; 2,098,845, 2,098,846, Weber & Vanderhoff, Weighing scale; 2,066,243, Barler & Burkhard, same, filed Aug. 26, 1938, D. C., N. D. Ill., W. Div., Doc. 629, *Continental Scale Corp.* v. *The Brearley Co.*

1,712,755. (See Re. 19,217.)

1,714,310. (See 1,581,377.)

1,716,255, T. C. Woodman et al., Fabric or material and the manufacture thereof; 1,828,397, C. Dreyfus, Stiffening fabric and method of making same; 1,903,960, same, Fabric and sheet material and the manufacture thereof, C. C. A., 2d Cir., Doc. —, *Celanese Corp. of America* v. *Essley Shirt Co., Inc.* Decree reversed (notice Aug. 23, 1938).

1,798,110, M. M. Scharf, Method of making umbrellas; 1,994,406, same, Machine for sewing fabric to umbrella tips, filed Aug. 23, 1938, D. C., S. D. N. Y., Doc. E 87/346, *M. M. Scharf* v. *Umbrella Tip-On Corp.*

1,828,397. (See 1,716,255.)

1,842,030. (See Re. 19,217.)

1,895,409, R. Drucker, Register or index; 2,115,537, E. W. Peter, Index device, filed Aug. 18, 1938, D. C., N. D. Ill., E. Div., Doc. 16197, *The Bates Mfg. Co.* v. *Autopoint Co.*

1,902,547, W. A. Endter, Rotary bolt door lock; 1,902,628, same, Door lock, filed Aug. 22, 1938, D. C., W. D. N. Y., Doc. 2268, *W. A. Endter et al.* v. *P. S. Riel.*

1,902,628. (See 1,902,547.) 1,903,960. (See 1,716,255.)

1,927,665. (See Re. 19,217.)

1,928,264, E. R. Powell, Heat insulating product and method of forming same; 1,948,395, same, Apparatus for producing rock wool products; Re. 19,627, same, Process of making felted mineral fiber; 2,055,446, same, Treated fibrous material, filed July 9, 1938, D. C., N. D. Ill., E.

Div., Doc. 16149, *Johns-Manville Corp.* v. *Ludowici-Celadon Co.*

1,933,703, Brus & Strang, Device for cooling condenser water; 1,969,863, 1,933,771, same, Air conditioning device, D. C., W. D. Mo. (Kansas City), Doc. 2899, *Air Conditioning Equipment, Inc.*, v. *N. B. Baraban* (*Copeland Refrigeration Co.*). Decree Aug. 31, 1938.

1,933,771. (See 1,933,703.)

1,942,574, I. Shapiro, Athletic shoe; 2,080,680, L. R. Walther, same, filed July 6, 1938, D. C., N. D. Ill., E. Div., Doc. 16147, *The Athletic Shoe Co.* v. *The P. Goldsmith Sons, Inc., et al.*

1,948,395. (See 1,928,264.)

1,968,409, 1,968,410, B. Liebowitz, Apparel, filed Sept. 3, 1938, D. C., W. D. S. C. (Greenville), Doc. E 550, *Trubenizing Process Corp.* v. *Piedmont Shirt Co.*

1,968,410. (See 1,968,409.)

1,969,178. (See Re. 19,217.)

1,969,863. (See 1,933,703.) 1,994,406. (See 1,798,110.)

2,000,064, 2,106,795, 2,112,270, 2,120,230, 2,120,231, H. S. Cover, Respirator; 2,105,183, same, Valve, filed July 13, 1938, D. C., N. D. Ill., E. Div., Doc. 16155, *H. S. Cover* v. *Chicago Eye Shield Co.*

2,021,097. (See Re. 19,217.)

2,035,671. (See Des. 98,189.)

2,042,439. (See Re. 20,624.)

2,042,604, E. S. King, Projector slide; 2,069,304, P. S. Fischer, Stereoptican slide, filed Aug. 10, 1938, D. C., N. D. Ill., E. Div., Doc. 16186, *P. S. Fischer et al.* v. *Publix Great States Theatre, Inc.* Doc. 16187, *P. S. Fischer et al.* v. *Indiana-Illinois Theatres, Inc.*

2,048,040, E. Wagner, Illuminating device; 2,119,430, Garner & Auer, Display device, filed July 16, 1938, D. C., N. D. Ill., E. Div., Doc. 16159, *Wagner Sign Service, Inc.*, v. *Patio Theatre Co.*

2,055,446. (See 1,928,264.)

2,058,603, Des. 92,661, Des. 93,560, Hodny & Hoff, Mirror, filed July 8, 1938, D. C., N. D. Ill., E. Div., Doc. 16148, *Standard Mirror Co.* v. *H. W. Brown, Inc.*

2,066,243. (See 1,646,009.) 2,069,304. (See 2,042,604.)

2,080,680. (See 1,942,574.) 2,098,845. (See 1,646,009.)

2,098,846. (See 1,646,009.)

2,104,217. (See Re. 17,787.)

2,105,183. (See 2,000,064.) 2,106,795. (See 2,000,064.)

2,112,270. (See 2,000,064.) 2,115,537. (See 1,895,409.)

2,119,430. (See 2,048,040.) 2,120,230. (See 2,000,064.)

2,120,231. (See 2,000,064.)

Re. 17,072. (See Re. 17,787.)

Re. 17,787, L. Ottinger, Bushing (Pitff's); Re. 17,072, same, Latch handle escutcheon and bearing (Pitff's); 2,104,217, S. C. Barnes, Handle assembly escutcheon (Deft's), suit for an accounting under patent license and for an assignment of defendant's patent to plaintiff and for infringement of patent filed Aug. 25, 1938, D. C., S. D. N. Y., Doc. E 87/352, *L. Ottinger* v. *General Motors Corp.*

Re. 18,280. (See Re. 19,217.)

Re. 19,217, J. Prachar, Ironing machine; 1,842,030; 1,969,178, J. B. Kirby, Laundry machine; 1,927,665, same, Dishwashing machine; Re. 18,280, same, Clothes washing machine; 2,021,097, F. Maus, Washing machine; 1,712,755, J. A. Dietenberger, same, appeal filed Sept. 1, 1938, C. C. A., 2d Cir., Doc. —, *The Apex Electrical Machine Co. et al.* v. *Landers, Frary & Clark.*

Re. 19,627. (See 1,928,264.)

Re. 20,624 (of 2,042,439), L. J. White, Storage and dispensing apparatus for liquefied gas, D. C. Tex. (Corpus Christi), Doc. E 108, *Southern Steel Co.* v. *Liquefied Gas Co., Inc.* Injunction against respondent (notice Aug. 20, 1938).

Des. 92,661. (See 2,058,603.)

Des. 93,560. (See 2,058,603.)

Des. 98,189, A. H. Sauer, Jr., Wrist watch strap; 2,035,671, same, Leather wrist watch strap, appeal filed Aug. 22, 1938, C. C. A., 2d Cir., Doc. 16175, *A. H. Sauer, Jr.*, v. *D. Cowen et al.*

Des. 106,400, D. W. Price, Dress, D. C., S. D. N. Y., Doc. E 86/33, *Price-Schlesinger, Inc.*, v. *Gorshire Frocks, Inc.* Consent order of discontinuance May 17, 1938.

Des. 106,929, D. Rosenthal, Dress, notice of May 17, 1938, erroneous (492 O. G., p. 487, new notice sent by clerk). Suit on this patent has not been settled.

T. M. 47,470, Elgin National Watch Co., Watch (suit also prays the surrender of certificate T. M. 358,720, same, Electrically operated fans, radios, lamps, etc.), filed Aug. 4, 1938, D. C., N. D. Ill., E. Div., Doc. 16175, *Elgin National Watch Co.* v. *Elgin Razor Corp. et al.*

T. M. 67,278. (See T. M. 72,087.)

T. M. 67,478. (See T. M. 72,087.)

T. M. 72,087, California Fruit Growers Exchange, Oranges; T. M. 85,069, same, Lemons; T. M. 117,107, same, Citrus fruits; T. M. 267,936, same, Citrus oils, pectin and citric acid; T. M. 268,616, same, Citrus oils; T. M. 268,741, same, Citric acid and pectin; T. M. 301,281, same, Citrus fruit juices and concentrates; T. M. 67,278, T. M. 67,478, The J. K. Armsby Co., Canned and dried fruits, including raisins; T. M. 96,082, same, Salmon; T. M. 96,385, same, Canned vegetables; T. M. 96,770, same, Milk, butter and nuts; T. M. 99,835, same, Butter, catsup, pickles, olive oil, etc.; T. M. 101,121, same, Non-intoxicating fruit juice beverage; T. M. 102,354, same, Rice, tapioca, spices and syrup; T. M. 101,439, same, Salt and baking powder; T. M. 104,684, same, Molasses, honey, mincemeat, vinegar, etc.; T. M. 113,219, same, Fresh vegetables; T. M. 114,322, same, Canned tuna; T. M. 281,093, California Packing Corp., Baking powder and salt; T. M. 281,094, same, same; T. M. 301,278, same, Canned fruit, dried fruit, raisins, etc.; T. M. 304,659, same, Canned fruit, canned vegetables, dried fruit, jams, filed July 12, 1938, D. C., N. D. Ill., E. Div., Doc. 16153, *California Fruit Growers Exchange et al.* v. *Windsor Beverages, Ltd., et al.*

T. M. 85,069. (See T. M. 72,087.)

T. M. 96,082. (See T. M. 72,087.)

T. M. 96,385. (See T. M. 72,087.)

T. M. 96,770. (See T. M. 72,087.)

T. M. 99,835. (See T. M. 72,087.)

T. M. 101,121. (See T. M. 72,087.)

T. M. 101,439. (See T. M. 72,087.)

T. M. 102,354. (See T. M. 72,087.)

T. M. 104,684. (See T. M. 72,087.)

T. M. 106,108, S. C. Johnson & Son, Powdered wax, prepared wax, wood dye, etc.; T. M. 241,695, T. M. 176,405, same, Prepared wax in paste, powdered or liquid form; T. M. 224,358, same, Varnish, filed Aug. 2, 1938, D. C., N. D. Ill., E. Div., Doc. 16174, *S. C. Johnson & Son, Inc.*, v. *Carson, Pirie Scott & Co.*

T. M. 113,219. (See T. M. 72,087.)

T. M. 114,322. (See T. M. 72,087.)

T. M. 117,107. (See T. M. 72,087.)

T. M. 123,667, T. M. 314,174, Vick Chemical Co., A medical salve for external use, liver pills and liniment; T. M. 336,963, same, Medicine dropper, filed Aug. 19, 1938, D. C., N. D. Ill., E. Div., Doc. 16199, *Vick Chemical Co.* v. *V. E. Czahurski* (*Vic's Pharmacy.*)

T. M. 137,699, T. M. 202,599, Simmons Co., Metal bed steads, bed springs, cribs, cots, bunks, couches, etc., filed Aug. 12, 1938, D. C., N. D. Ill., E. Div., Doc. 16190. *Simmons Co.* v. *P. Kitzler et al.*

T. M. 176,405. (See T. M. 106,108.)

T. M. 202,599. (See T. M. 137,699.)

T. M. 224,358. (See T. M. 106,108.)

T. M. 241,695. (See T. M. 106,108.)

T. M. 267,936. (See T. M. 72,087.)

T. M. 268,616. (See T. M. 72,087.)

T. M. 268,741. (See T. M. 72,087.)

T. M. 281,093. (See T. M. 72,087.)

T. M. 281,094. (See T. M. 72,087.)

T. M. 291,138. (See 1,581,377.)

T. M. 301,278. (See T. M. 72,087.)

T. M. 301,281. (See T. M. 72,087.)

T. M. 304,659. (See T. M. 72,087.)

T. M. 314,174. (See T. M. 123,667.)

T. M. 336,963. (See T. M. 123,667.)

T. M. 341,080. (See 1,581,377.)

T. M. 358,720. (See T. M. 47,470.)

Changes in Classification

Order No. 3,444, October 8, 1938, directs:

In *class 195, Chemistry, Fermentation* (Division 63), abolish the following subclass with its definition:

Apparatus

145 Foremashing or wetting particulate solid materials.

The patents formerly contained in this subclass have been placed in class 259, Agitating, subclass 180.

In *class 195, Chemistry, Fermentation* (Division 63), in the main class definition in the paragraphs outlining the scope of the class, cancel paragraph 8; and in the notes to the class definition, add:

(12) **259**—AGITATING, appropriate subclasses, for apparatus for merely agitating malt, grains, or other particulate matter in contact with a liquid for purposes of preparing materials for use in fermentation processes. Such apparatus includes those devices which are sometimes termed "fore-mashers".

In *class 259, Agitating* (Division 32), in the main class definition, in note (6) cancel the reference to class 195, Chemistry, Fermentation; and in subclasses 150 and 180 in the first sentence of the definition cancel "gravity-impelled", change the period to a comma and add *at least one of said streams being gravity impelled.*

In *class 23, Chemistry* (Division 59), in subclass 292, in note (2) change "subclass 51" to *subclasses 51, 62, 165 and 166.*

In *class 33, Geometrical Instruments* (Division 62), in the main class definition, add to note (3) the following:

73—MEASURING AND TESTING, for combinations of geometrical instruments with other characters of measuring and testing devices;

and in subclass 3 add the following note:

Note.—For fitting shoes, see class 36, BOOTS, SHOES AND LEGGINGS, subclass 8.4.

In *class 36, Boots, Shoes and Leggings* (Division 11), in subclass 8.4 add the following note:

Note.—For other means for ascertaining the dimensions of footwear and for laying out the same, see class 33, GEOMETRICAL INSTRUMENTS, subclass 3 and indented subclasses.

In *class 58, Horology* (Division 61), in subclass 53 add the following note:

Note.—For instrument cases of general application, see class 73, MEASURING AND TESTING, subclass 151;

and in subclass 88, number the existing note (*1*) and add:

(2) Note.—For instrument cases of general application, see class 73, MEASURING AND TESTING, subclass 151.

In *class 61, Hydraulic and Earth Engineering* (Division 38), in subclass 22, number the existing note (**2**) and add:

(1) Note.—For weirs for water gates in combination with metering means, see class 73, MEASURING AND TESTING, subclass 215.

In *class 88, Optics* (Division 7), in subclass 14, add the following note:

(2) Note.—For physical testing in general, see class 73, MEASURING AND TESTING, subclasses 50 and 51;

and in subclass 14.1 cancel the second note.

In *class 107, Bread, Pastry and Confection Making* (Division 20), in the main class definition in the sixth paragraph cancel "73, Measuring and Testing" and substitute therefor *249, Automatic Weighers, subclass 5*; and in subclass 38 in note (2) in the reference to class 195, Chemistry, Fermentation, cancel subclass 145.

In *class 116, Signals and Indicators* (Division 35), in subclass 124 cancel the note following the definition.

In *class 121, Motors, Expansible Chamber Type* (Division 18), subclass 52, add the following note:

Note.—For meters of similar construction, see class 73, MEASURING AND TESTING, subclass 240;

in subclass 63 add under "Search class":

73—MEASURING AND TESTING, subclass 241;

in subclass 101 add the following note:

(3) Note.—For meters of similar construction, see class 73, MEASURING AND TESTING, subclass 242;

and in subclass 114 add the following note:

(3) Note.—For meters of similar construction, see class 73, MEASURING AND TESTING, subclass 243.

In *class 126, Stoves and Furnaces* (Division 19), subclass 190, in the first note cancel "subclass 52" and insert in lieu thereof *subclass 339.*

In *class 184, Lubrication* (Division 45), in subclasses 26, 27 and 28 cancel the search note to class 73, Measuring and Testing.

In *class 201, Resistances and Rheostats* (Division 60), in subclass 63 add the following note:

Note.—For resistance pyrometers, see class 73, MEASURING AND TESTING, subclasses 342 and 362.

In *class 212, Traversing Hoists* (Division 4), in subclass 2 in the search note cancel "73, Measuring and Testing" and insert *265, Force-Measuring.*

In *class 214, Material or Article Handling* (Division 4), subclass 2, number the existing note (*1*) and add:

(2) **Search class—**

265—FORCE-MEASURING, appropriate subclasses, for weighing devices involving no modification of the material handling structure other than for the purpose of weighing.

In *class 215, Bottles and Jars* (Division 58), in subclass 7, number the existing note (*1*) and add:

(2) Note.—For measuring receptacles having means for indicating quantity of material therein, see class 73, MEASURING AND TESTING, subclass 62 and indented subclasses.

In *class 258, Motors, Fluid* (Division 9), in subclass 19 add the following note:

Note.—Search also class 249, AUTOMATIC WEIGHERS, subclasses 25 and 33 and indented subclasses.

In *class 303, Fluid Pressure Brake and Analogous Systems* (Division 47), in the main class definition number notes (2), (3) and (4) as (*3*), (*4*) and (*5*), and add:

(2) Note.—For devices for testing fluid brake systems and triple valves, see class 73, MEASURING AND TESTING, subclass 51.

In *class 71, Chemistry, Fertilizers* (Division 59), subclass 33, change the note to read:

Note.—Subclasses 33–47 are primarily process subclasses but include products corresponding thereto when such are claimed along with the processes, in which case the products are cross-referenced to subclass 48 and indented subclasses;

in subclass 34, in the subclass title delete "(process and product)"; in the definition after "present" change the comma to a period and cancel the remainder of the definition including the note; in subclass 35 in the definition cancel "and products,"; in subclass 36 in the definition cancel "and products,"; in subclass 37 cancel the existing note and substitute:

Note.—Methods employing mixtures of acids which are separately provided for hereunder are included in this subclass, e. g., a mixture of sulfuric and phosphoric acids;

in subclass 48 in the definition after "fertilizer" change the comma to a period and cancel the remainder of the

definition including the note; in subclass 49 in the definition thereof after "than" insert *or in addition to*; and add the following note:

Note.—For products wherein the only inorganic N value is NH_4, see subclass 51;

in subclass 51 cancel note (1) and the numeral "(2)" of the remaining note; in subclass 54 after "values" insert *other than or in addition to* NH_4; in subclass 56 add to the parenthetical expression after "values", the word *only*; and in subclass 64, number the existing note (2) and add:

(1) Note.—See also class 23, CHEMISTRY, subclasses 239, 242 and 243.

In *class 113, Sheet Metal Ware, Making* (Division 14), in subclass 33, number note (2) as (3) and add:

(2) Note.—For processes only for making compound tubing, search class 29, METAL WORKING, subclass 188.

In *class 43, Fishing, Trapping and Vermin Destroying* (Division 2), in subclass 135 cancel note (2) and substitute:

(2) Note.—For rubber band or spring projecting devices, sometimes used for crushing insects, see class 124, MECHANICAL GUNS AND PROJECTORS, appropriate subclasses.

In *class 124, Mechanical Guns and Projectors* (Division 22), in the main class definition in note (1) add: 43, FISHING, TRAPPING AND VERMIN DESTROYING, subclass 135, for devices for swatting insects, in which a swatting element is projected by spring means. The combination with the swatting element is classified in class 43, subclass 135. The projector per se, if the swatting element is not included in the claims, is found in the appropriate subclass of class 124.

In *class 166, Wells* (Division 38), subclass 15, add the following note:

Note.—For blow-out preventers and casing heads having a more general flow-controlling use, see class 137, WATER DISTRIBUTION, subclass 139, and class 251, VALVES, subclass 51 and indented subclasses.

In *class 188, Brakes* (Division 47), in subclass 151 add the following note:

Note.—For systems of distribution of fluid to motors of more general application, see class 303, FLUID-PRESSURE BRAKE AND ANALOGOUS SYSTEMS, appropriate subclasses.

In *class 192, Clutches and Power Stop Control* (Division 47), in subclass 85 add the following note:

Note.—For systems of distribution of fluid to motors of more general application, see class 303, FLUID-PRESSURE BRAKE AND ANALOGOUS SYSTEMS, appropriate subclasses;

and in subclass 88 add the following note:

Note.—For motors of more general use, see class 121, MOTORS, EXPANSIBLE CHAMBER TYPE, subclass 38.

In *class 303, Fluid-Pressure Brake and Analogous Systems* (Division 47), subclass 54, in the second line of the definition change "valve" to *value*.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,031,856, H. S. Rowton and J. L. Rowton, Machine for filleting fish, decided September 9, 1938, claims 1, 4, 5, 12, 17, 18, 19, and 30.

Pat. 2,058,642, E. A. Sperry, Jr., Self synchronous transmission system controlled servomotor, decided October 15, 1938, claims 1, 2, 3, and 4.

Pat. 2,090,504, H. C. Schutt and J. W. Throckmorton, Method and apparatus of heating hydrocarbon oils, decided October 15, 1938, claim 9.

Disclaimers

Re. 20,540.—*Theodore Johnson*, Erie, Pa. CASEMENT WINDOW STRUCTURE. Patent dated October 26, 1937. Disclaimer filed October 17, 1938, by the assignee, *Johnson Metal Products Co.*, and the licensee, *Detroit Steel Products Company*.

Hereby disclaim claims 20 and 22 of said reissue patent.

2,036,615.—*Raymond J. Wean*, Warren, Ohio. COATED SHEET METAL AND PROCESS OF MAKING THE SAME. Patent dated April 7, 1936. Disclaimer filed October 6, 1938, by the assignee, *The Wean Engineering Company, Inc.*

Hereby enters this disclaimer to claims 1, 2, 3, 4, 7, and 9 with the exception that your petitioner does not disclaim the subject matter of claim 3 in combination with the subject matter of claims 5 and 6 which are dependent thereon and incorporate claim 3 by reference.

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 1, 1938

[VOL. 496. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 409,143. SOUTHERN QUARRYING COMPANY, Elberton, Ga. Filed Aug. 1, 1938.



For Granite.
Claims use since July 1, 1928.

Ser. No. 410,393. GOTTESMAN AND COMPANY, INCORPORATED, New York, N. Y. Filed Sept. 9, 1938.

DURALBA

For Wood Pulp.
Claims use since Aug. 31, 1938.

Ser. No. 410,394. HELBURN THOMPSON COMPANY, Salem, Mass. Filed Sept. 9, 1938.

CUT-UPS

For Leather.
Claims use since May 15, 1938.

Ser. No. 410,571. BENJAMIN SOLOMON GOLDBERG, doing business as Cover Lawn Seed Company, Baltimore, Md. Filed Sept. 12, 1938.

DRUID HILL PARK

For Lawn and Field Grass Seeds.
Claims use since Dec. 16, 1937.

CLASS 2

Receptacles

Ser. No. 410,115. NORTHERN PAPER MILLS, Green Bay, Wis. Filed Aug. 30, 1938.

NORFOLD ECONOMIZER SERVICE

Applicant disclaims the words "Economizer Service" apart from the mark.

For Dispensing Cabinets for Paper Products.
Claims use since Aug. 12, 1938.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 409,174. A. ROSENTHAL & SON, Boston, Mass. Filed Aug. 2, 1938.

Tropical Morocco

No claim is made to the word "Morocco" apart from the mark.

For Small Leather Cases or Receptacles—Namely, Men's Billfolds or Wallets, and Key Cases.
Claims use since Jan. 9, 1935.

CLASS 4

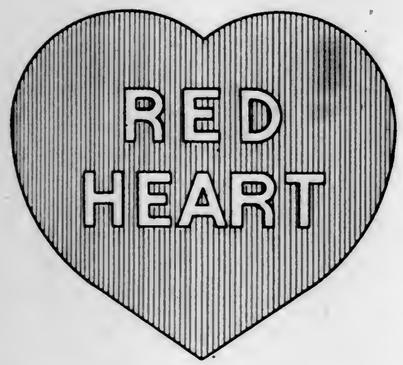
Abrasive, Detergent, and Polishing Materials

Ser. No. 408,310. A. P. DESANNO & SON, INC., Philadelphia, Pa. Filed July 8, 1938.

CARTERCAST

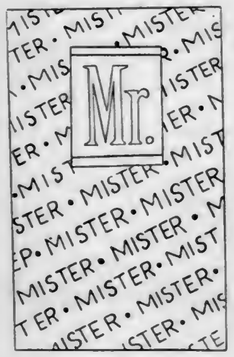
For Abrasive and Grinding Wheels.
Claims use since July 6, 1938.

Ser. No. 409,482. JOHN MORRELL & Co., Ottumwa, Iowa. Filed Aug. 11, 1938.



The drawing is lined for red.
For Cleansing Preparations for Dogs—Namely, Bathing Solution, Chalk, Cleansing Powder, and Soap.
Claims use since July 27, 1938.

Ser. No. 409,802. BRUNSWIG DRUG COMPANY, Los Angeles, Calif. Filed Aug. 20, 1938.



For Shaving Creams, Shaving Soaps, and Shaving Soap Bowls.
Claims use since Aug. 13, 1938.

Ser. No. 409,810. HASKINS BROTHERS & COMPANY, Sioux City, Iowa. Filed Aug. 20, 1938.



The four figures are fanciful.
For Toilet Soap.
Claims use since May 24, 1938.

Ser. No. 409,831. J. B. ROSEFIELD, doing business as An-Fo Manufacturing Co., Oakland, Calif. Filed Aug. 22, 1938.

ALERT FOR DIRT

The words "For Dirt" are disclaimed apart from the mark.
For Cleanser in Liquid Form for Printed Surfaces, Enameled Surfaces, Floors, Rugs, Carpets, and the Like.
Claims use since Aug. 5, 1938.

Ser. No. 410,269. REX MINERAL PRODUCTS, INC., Chicago, Ill. Filed Sept. 3, 1938.

Golden West

For Cleaning and Washing Compound Used for General Household and Industrial Cleaning.
Claims use since Aug. 29, 1938.

Ser. No. 410,345. THOMAS FULLER TORREY, Lynchburg, Va. Filed Sept. 7, 1938.

VANISTANE

For Spot Remover.
Claims use since Aug. 26, 1938.

Ser. No. 410,414. TRIMBLE & LUTZ SUPPLY CO., doing business as Tri-Lutz Chemical Co., Wheeling, W. Va. Filed Sept. 9, 1938.

NEMO

For Soft Soap Used as a Waterless Cleanser.
Claims use since Aug. 31, 1938.

Ser. No. 410,440. ABE SILVERBERG, doing business as Sillcrest Chemical Company, Houston, Tex. Filed Sept. 10, 1938.

SILLCREST

For Metal Polish.
Claims use since Aug. 1, 1938.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 390,286. TESTAGAR LABORATORIES, INC., Detroit, Mich. Filed Mar. 19, 1937.



All wording except "Barbella" and "Testagar Laboratories" is disclaimed.
For Medicine Consisting of 1/200 Gr. Atropine Sulphate and ¼ Gr. Phenobarbital, Used in the Treatment of Functional Dyspepsias, Irritable Colon, and for the Relief of Pain in Pylorospasm and Peptic Ulcer.
Claims use since June 10, 1935.

Ser. No. 390,389. TABLE ROCK LABORATORIES, INC., Greenville, S. C. Filed Mar. 22, 1937.

BUFOSAL

For Preparation for the Treatment of Rheumatism, Arthritis, Colds, Influenza, Tonsilitis, and Other Conditions that an Analgesic of this Kind Would be Prescribed.
Claims use since Jan. 1, 1937.

Ser. No. 395,579. INECTO, INC., New York, N. Y. Filed July 23, 1937.

NATEX

For Hair Coloring.
Claims use since July 15, 1937.

Ser. No. 395,580. INECTO, INC., New York, N. Y. Filed July 23, 1937.

NUTEX

For Hair Coloring.
Claims use since July 15, 1937.

Ser. No. 397,372. N. V. ORGANON, Oss, Netherlands. Filed Sept. 13, 1937.

DECUFER

For Pharmaceutical Preparations to be Used in the Treatment of Abortus, Habitual Abortion, Achylia Gastrica, Acrodynia, Acromegalia, Adipositas, Agranulocytosis, Alcoholism, Alopecia, All Kinds of Anaemia, Anaphylactia, Adnexitis, Asthenia, Asthma, Angina Pectoris, Aphthae, Arteritis, Arthritis, Azoospermia, Azotemia, Bang's Disease, Basophilic Adenoma, Beri-Beri, Irregularities of Blood-Pressure, Diseases of the Brains, Bullous Exanthema, Buerger's Disease, All Kinds of Cancer, Results of Castration, Cataract, Cholecystitis, Cholelithiasis, Chorea Minor, Chorionepithelioma, Intermittent Claudication, Climacteric, Collapse, Common Cold, Cretinism, Cryptorchidism, Cushing's Disease, Delirium Tremens, Dementia Praecox, Dermatosis and All Kinds of Skin Diseases and Disorders; All Kinds of Diabetes, Diphtheria, All Kinds of Dystrophia, Edema, Emaciation, Embolia, Endometritis, Epilepsy, Erysipelas, Eunuchoidism, Exophthalmus, Exudative Diathesis, Fatigue, Febris Undulans, Feminization, Foetus Mortuus, Frigidity, Fröhlich's Disease, Furunculosis, Gangrene, Goitre, Gigantism, Glaucoma, Granulocytopenia, Grave's Disease, Irregularities of Growth, Gynaecological Disorders, Irregularities of Hair Growth, Haematoporphyria, Haemoglobinuria, Irregularities of Haemoglobinequantity in Blood, Haemophilia, Haemorrhagic Diathesis; All Kinds of Heart Diseases and Disorders, Heubner's Disease, Hirsutism, Hay Fever, Hyperemesis Gravidarum, Hyperinsulinism, Hypertension, Hyperthyroidism, Hypertrichosis, Hypoglycaemia, Hypothyroidism, Hypophyseal Cachexia, Hypotension, Hypotonia, Icterus, Ileus, Impetigo Herpetiformis, Infantilism, Infections, Inflammations, Diseases and Disorders of the Intestines, Intoxication by All Types of Poisons, Ischemia, Diseases of the Mammae, Marasmus, Melancholia, Menopause, Disturbances and Irregularities of Rate of Various Kinds of Metabolism, Diseases of the Joints, Keratomalacia, Diseases of the Kidneys, Kraurosis of the Vulva, Irregularities of Lactation, Diseases of the Liver, Lung Diseases, Diseases of the Lymphatic System, Metrorrhagia, Menstruation Disorders and Diseases, Metritis, Migraine, Hydatiform Mole, Morphinism, Myxedema, Nanosomia, Nanism, Nephritis, Nervous Diseases and Disorders, Neuralgia, Obesity, Obstetrical Disorders, Oophoritis, Irregularities of Ossification, Osteophorosis, Otitis, Irregular Ovulation, Paget's Disease, Parametritis, Paratyphus, Parkinson's Disease, Pellagra, Pemphigus Vulgaris, Peritonitis, Phlebitis, Pituitary Headache, Diseases of the Placenta, All Kinds of Pneumonia, Polyglobulia, Porphyria, Disturbances in Pregnancy, Hypertrophy of the Prostate, Pruritus Vulvae, All Diseases and Disorders of Puberty, All Diseases and Disorders of Puerperium, Rickets, Raynaud's Disease, Recklinghausen's Disease, Retinitis, Pigmentosa, All Rheumatic Diseases, Schizophrenia, Scleroderma, All Kinds of Sclerosis, Senium, Sexual Diseases and Disorders, Shock, Simmond's Disease, Spasmophilia, Spermatogenesis, Diseases of the Spinal Cord, Spondylarthritis, Staphylococcal Infections, Steatorrhoea, Diseases of the Stomach, Streptococcal Infections, Tabes, Tetany, Thromboanglitis Obliterans, Thrombosis, All Kinds of Tuberculosis, Tumors, Typhoid Fever, All Kinds of Ulcers, Ulcus Cruris, All Kinds of

Urinary Diseases and Disorders, Urticaria, Haemorrhages of the Uterus, Vascular Spasms and Other Vascular Diseases, Vaginitis, Varices, Virilism, Vitiligo, Vulvovaginitis, Xerophthalmia, X-ray Damages.
Claims use since Oct. 12, 1932.

Ser. No. 397,374. N. V. ORGANON, Oss, Netherlands. Filed Sept. 13, 1937.

OVOWOP

For Pharmaceutical Preparations to be Used in the Treatment of Abortus, Habitual Abortion, Achylia Gastrica, Acrodynia, Acromegalia, Adipositas, Agranulocytosis, Alcoholism, Alopecia, All Kinds of Anaemia, Anaphylactia, Adnexitis, Asthenia, Asthma, Angina Pectoris, Aphthae, Arteritis, Arthritis, Azoospermia, Azotemia, Bang's Disease, Basophilic Adenoma, Beri-Beri, Irregularities of Blood-Pressure, Diseases of the Brains, Bullous Exanthema, Buerger's Disease, All Kinds of Cancer, Results of Castration, Cataract, Cholecystitis, Cholelithiasis, Chorea Minor, Chorionepithelioma, Intermittent Claudication, Climacteric, Collapse, Common Cold, Cretinism, Cryptorchidism, Cushing's Disease, Delirium Tremens, Dementia Praecox, Dermatosis and All Kinds of Skin Diseases and Disorders; All Kinds of Diabetes, Diphtheria, All Kinds of Dystrophia, Edema, Emaciation, Embolia, Endometritis, Epilepsy, Erysipelas, Eunuchoidism, Exophthalmus, Exudative Diathesis, Fatigue, Febris Undulans, Feminisation, Foetus Mortuus, Frigidity, Fröhlich's Disease, Furunculosis, Gangrene, Goitre, Gigantism, Glaucoma, Granulocytopenia, Grave's Disease, Irregularities of Growth, Gynaecological Disorders, Irregularities of Hair Growth, Haematoporphyria, Haemoglobinuria, Irregularities of Haemoglobinequantity in Blood, Haemophilia, Haemorrhagic Diathesis; All Kinds of Heart Diseases and Disorders, Heubner's Disease, Hirsutism, Hay Fever, Hyperemesis Gravidarum, Hyperinsulinism, Hypertension, Hyperthyroidism, Hypertrichosis, Hypoglycaemia, Hypothyroidism, Hypophyseal Cachexia, Hypotension, Hypotonia, Icterus, Ileus, Impetigo Herpetiformis, Infantilism, Infections, Inflammations, Diseases and Disorders of the Intestines, Intoxication by All Types of Poisons, Ischemia, Diseases of the Mammae, Marasmus, Melancholia, Menopause, Disturbances and Irregularities of Rate of Various Kinds of Metabolism, Diseases of the Joints, Keratomalacia, Diseases of the Kidneys, Kraurosis of the Vulva, Irregularities of Lactation, Diseases of the Liver, Lung Diseases, Diseases of the Lymphatic System, Metrorrhagia, Menstruation Disorders and Diseases, Metritis, Migraine, Hydatiform Mole, Morphinism, Myxedema, Nanosomia, Nanism, Nephritis, Nervous Diseases and Disorders, Neuralgia, Obesity, Obstetrical Disorders, Oophoritis, Irregularities of Ossification, Osteophorosis, Otitis, Irregular Ovulation, Paget's Disease, Parametritis, Paratyphus, Parkinson's Disease, Pellagra, Pemphigus Vulgaris, Peritonitis, Phlebitis, Pituitary Headache, Diseases of the Placenta, All Kinds of Pneumonia, Polyglobulia, Porphyria, Disturbances in Pregnancy, Hypertrophy of the Prostate, Pruritus Vulvae, All Diseases and Disorders of Puberty, All Diseases and Disorders of Puerperium, Rickets, Raynaud's Disease, Recklinghausen's Disease, Retinitis, Pigmentosa, All Rheumatic Diseases, Schizophrenia, Scleroderma, All Kinds of Sclerosis, Senium, Sexual Diseases and Disorders, Shock, Simmond's Disease, Spasmophilia, Spermatogenesis, Diseases of the Spinal Cord, Spondylarthritis, Staphylococcal Infections, Steatorrhoea, Diseases of the Stomach, Streptococcal Infections, Tabes, Tetany, Thromboangiitis Obliterans, Thrombosis, All Kinds of Tuberculosis, Tumors, Typhoid Fever, All Kinds of Ulcers, Ulcus Cruris, All Kinds of Urinary Diseases and Disorders, Urticaria, Haemorrhages of the Uterus, Vascular Spasms and Other Vascular Diseases, Vaginitis, Varices, Virilism, Vitiligo, Vulvovaginitis, Xerophthalmia, X-ray Damages.
Claims use since Apr. 15, 1937.

Ser. No. 403,962. THEODORE A. RICHTER, New York, N. Y., assignor to Carq Co., New York, N. Y., a partnership consisting of Gerald C. Wunderlich and Una C. Wunderlich. Filed Mar. 11, 1938.

CARK

THE FOUR POINT HAIR TONIC

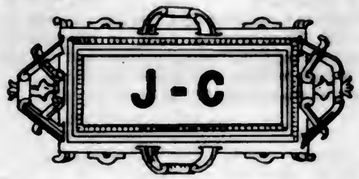
The words "Cark Hair Tonic" are disclaimed apart from the mark.
For Hair Tonic.
Claims use since Feb. 16, 1938.

Ser. No. 404,427. JOHN APRUZZESE, doing business as Mor-Life Co., Newark, N. J. Filed Mar. 24, 1938.

MOR-LIFE

For Scalp Medicine.
Claims use since Mar. 14, 1938.

Ser. No. 407,967. CARRIE ENERSON, Canton, Ill. Filed June 27, 1938.



For Herb Medicine for the Treatment of the Liver, Kidneys, Indigestion, Constipation, Irritation of the Bladder, and Like Ailments.
Claims use since Apr. 15, 1938.

Ser. No. 408,223. CALISTE V. WILSON, doing business as Cottie-Wilson Laboratories, North Hollywood, Calif. Filed July 5, 1938.

Hydrosulphosol

(Wilson)

The surname Wilson is disclaimed apart from the mark.
For Colloidal Sulphur Solution for Internal Consumption, Baths, and Enema.
Claims use since Oct. 15, 1936.

Ser. No. 408,324. MAURICE F. POWELL, doing business as Powell's Pharmaceutical Laboratories, Brooklyn, N. Y. Filed July 8, 1938.

SANI-PINE

The word "Pine" is disclaimed apart from the mark.
For Germicide, Deodorant, and Disinfectant.
Claims use since June 30, 1933.

Ser. No. 408,481. WALLERSTEIN COMPANY, INC., New York, N. Y. Filed July 13, 1938.

SEBACOL

For Materials Used in the Dehairing and Bating of Skins and Hides.
Claims use since July 24, 1936.

Ser. No. 409,070. TAMPA DRUG COMPANY, Tampa, Fla. Filed July 29, 1938.

RUB-ALL-EN



No claim is made to the word "Rub" apart from the mark. The portrait is that of Irma Bass.
For Liniment for Use in Treating Insect Bites, Stings, Burns, Sunburn, Sore and Inflamed Muscles, Ordinary Ringworm, Bruises, Head Colds, Sprains, Neuralgia and Facial Pains, and Toothache.
Claims use since June 15, 1933.

Ser. No. 409,582. MARJORIE MONROE, doing business as M. Monroe Co., Chicago, Ill. Filed Aug. 13, 1938.

ALCOPHEN

For Preparation for Treatment of Athlete's Foot, Ringworm, Acne, Eczema, Impetigo, Psoriasis, Scabies, and Poison Ivy.
Claims use since Apr. 22, 1938.

Ser. No. 409,684. JOHN J. GIACOMELLI, doing business as Mar-Ex Lab., Chicago, Ill. Filed Aug. 17, 1938.

MAR-EX

For Solution Used to Relieve Itching and Burning Caused by Athlete's Foot or Ringworm.
Claims use since February, 1938.

Ser. No. 409,686. GOULD WITCH HAZEL COMPANY, Boston, Mass. Filed Aug. 17, 1938.

GO-CO

For Cosmetics Such as Creams and Preparations for Use in Dermatological Treatment and a Medicinal Preparation in Jelly Form Having Soothing and Analgesic Qualities for Sunburn, Rough Chapped Skin, Tired Burning Feet, Poison Ivy, and for After Shaving.
Claims use since Aug. 8, 1938.

Ser. No. 409,801. BRUNSWIG DRUG COMPANY, Los Angeles, Calif. Filed Aug. 20, 1938.



No claim is made to the outline of the label.
For Talcum Powder and Lotions Used After Shaving.
Claims use since Aug. 13, 1938.

Ser. No. 409,975. NYAL COMPANY, Detroit, Mich. Filed Aug. 25, 1938.

NY-BISMA

For Medicinal Preparation for Oral Use in the Treatment of Certain Gastric Intestinal Disturbances.
Claims use since Aug. 2, 1938.

Ser. No. 410,001. ALEXANDER PANASUK, Mason, Wis. Filed Aug. 26, 1938.



For Thistle Eradicating Liquid and Powder.
Claims use since Aug. 12, 1938.

Ser. No. 410,032. THE HOWELL COMPANY, New Orleans, La. Filed Aug. 27, 1938.

DEOSOL

For Disinfectant Antiseptic.
Claims use since Jan. 1, 1938.

Ser. No. 410,046. JOHN POWELL & CO., INC., New York, N. Y. Filed Aug. 27, 1938.

PYRIN

For Insecticide Derived or Prepared from Pyrethrum or Other Vegetable Matter or Products Combined with, or not Combined with Isobutyl Undecylenamide or Other Chemicals.
Claims use since June 9, 1938.

Ser. No. 410,047. JOHN POWELL & CO., INC., New York, N. Y. Filed Aug. 27, 1938.

STIMTOX

For Insect Powder and Plant Stimulant Derived from Pyrethrum or Other Vegetable Matter or Products Combined or not Combined with Petroleum Oil.
Claims use since Mar. 11, 1938.

Ser. No. 410,076. ALBERT L. GLOVER, Long Beach, Calif. Filed Aug. 29, 1938.



For Laxative Tablet, a Tablet for the Relief of Stomach Ailments, and a Cold Tablet for the Relief of Colds, Headaches, and the Like.
Claims use since June, 1938.

Ser. No. 410,100. THE UPJOHN COMPANY, Kalamazoo, Mich. Filed Aug. 29, 1938.

CODCENTRATE

For Medicinal Preparation to be Used as a Vitamin Builder.
Claims use since Jan. 9, 1936.

Ser. No. 410,220. EVELYN E. FURMAN, doing business as Eureka Hair Company, Washington, D. C. Filed Sept. 2, 1938.

"INGREDIENT 8"

The word "Ingredient" is disclaimed apart from the mark.
For Ointments for Promoting the Growth of Hair.
Claims use since July 8, 1938.

Ser. No. 410,389. ERNST BISCHOFF COMPANY, INCORPORATED, Ivoryton, Conn. Filed Sept. 9, 1938.

TEBIGEN

For Diagnostic Preparation for the Detection of Human or Animal Tuberculosis.
Claims use since May 6, 1938.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 410,542. CHARLES RICHARD HUGHES, Wilmslow, England. Filed Sept. 14, 1938.

VARDENA.

For Tobacco Pipes and Cigarette Holders (not of Precious Metal nor of Imitation Precious Metal).
Claims use since Dec. 19, 1935.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 409,416. LI & FUNG, doing business as To-Yiu, Canton and Hong Kong, China. Filed July 25, 1938.

"ZEBRA"



For Firecrackers and Fireworks.
Claims use since Mar. 25, 1932.

CLASS 12

Construction Materials

Ser. No. 403,458. LUDLUM STEEL CO., Watervliet, N. Y., now by merger and change of name Allegheny Ludlum Steel Corporation. Filed Feb. 26, 1938.

LUDLITE

For Composite Ferrous Metal Sheets, Strips, and Tiles Comprising a Facing of Thin Gauge Flexible Metal and a Backing of Flexible Non-Metallic Sheet Material.
Claims use since Feb. 12, 1938.

Ser. No. 408,794. GENERAL REFRACTORIES COMPANY, Philadelphia, Pa. Filed July 22, 1938.

GRCO.

For Refractory Products and Particularly Fire Bricks, Refractory Shapes, and Packages of Ground Refractory Products.
Claims use since 1911.

Ser. No. 409,333. UNION BAG & PAPER CORPORATION, New York, N. Y. Filed Aug. 6, 1938.



For Waterproof Paper for Sheathing, Lining, Insulating, and General Building Purposes.
Claims use since Mar. 14, 1927.

Ser. No. 409,692. ADOLF H. MORNER, New York, N. Y. Filed Aug. 17, 1938.



The words "Wood Seal" are disclaimed apart from the mark.
For Insulating Board and Wall Board.
Claims use since Apr. 4, 1936.

Ser. No. 409,732. H. L. FROST AND HIGGINS CO., Arlington, Mass. Filed Aug. 18, 1938.



No claim is made to the word "Wood" apart from the mark.
For Tree Cavity Filling Material Consisting of Compressed Wooden Strips Containing Preservatives and Adapted to be Cut Into Various Shapes to Fit the Cavity to be Filled.
Claims use since June 15, 1938.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 403,100. STEELCO STAINLESS-STEEL, INC., Chicago, Ill. Filed Feb. 16, 1938.



For Base Metal Cooking Hollowware.
Claims use since October, 1936.

Ser. No. 407,453. ABELL CHAIR AND NOVELTY MFG. CO. INC., Brooklyn, N. Y. Filed June 14, 1938.



No claim is made to the words "Toilet Trainer" and "Brooklyn, N. Y." apart from the mark.
For Children's Toilet Seat.
Claims use since December, 1937.

Ser. No. 410,039. MACCLATCHIE MANUFACTURING COMPANY OF CALIFORNIA, Compton, Calif. Filed Aug. 27, 1938.

LUBRISEAL

For Plug Valves.
Claims use since July 2, 1938.

Ser. No. 410,180. ILLINOIS TOOL WORKS, Chicago, Ill. Filed Sept. 1, 1938.

SEMS

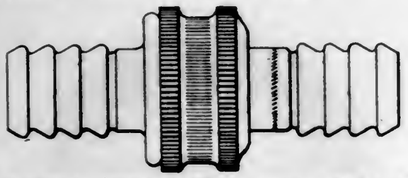
For Combined Screws on Lock Washers.
Claims use since Aug. 16, 1938.

Ser. No. 410,181. ILLINOIS TOOL WORKS, Chicago, Ill. Filed Sept. 1, 1938.

SEMBLEES

For Combined Screws on Lock Washers.
Claims use since Aug. 16, 1938.

Ser. No. 410,284. SCOVILL MANUFACTURING COMPANY, Waterbury, Conn. Filed Sept. 3, 1938.



Trade-mark consists of a blue colored band arranged circumferentially around the intermediate portion of the coupling. No claim is made to the representation of the coupling.
For Garden Hose Couplings.
Claims use since July 15, 1938.

Ser. No. 410,589. S. H. KRESS AND COMPANY, New York, N. Y. Filed Sept. 15, 1938.

BONITA

For Slide Fasteners.
Claims use since July 25, 1938.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 408,130. PARKER RUST PROOF COMPANY, Detroit, Mich. Filed July 1, 1938.

STEEL GRIP

For Steel Sheets Which Have Been Chemically Treated to Obtain Upon the Surfaces Thereof Corrosion Resistant Paint Holding Coatings.
Claims use since June 28, 1938.

Ser. No. 409,387. DEUTSCHE GOLD- UND SILBER-SCHEIDEANSTALT VORMALS ROESSLER, Frankfort-on-the-Main, Germany. Filed Aug. 9, 1938.

DURFERRIT

For Solders.
Claims use since 1924.

CLASS 15

Oils and Greases

Ser. No. 405,420. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif. Filed Apr. 18, 1938.



For Gasoline, Kerosene, Lubricating Oils, Petroleum Fuel Oils, Lubricating Greases, Road Oils.
Claims use since June, 1932.

Ser. No. 410,249. COLOR GLOW CANDLE CO., Auburndale, Mass. Filed Sept. 3, 1938.

COLOR GLOW

For Candles.
Claims use since Jan. 12, 1938.

CLASS 16

Paints and Painters' Materials

Ser. No. 402,965. CHRYSLER CORPORATION, Highland Park, Mich. Filed Feb. 12, 1938.

MoPar

For Wax, Paste, and Liquid Preparations for Cleaning, Polishing, and Preserving Painted, Varnished, or Finished Metallic Surfaces.
Claims use since Aug. 31, 1937.

Ser. No. 405,217. JESSIE W. MOYER, doing business as The Violize Co., Chadron, Nebr. Filed Apr. 13, 1938.

VIOLIZE

For Preparation for Providing a Hard Protective Coating on the Surface Finish of Automobiles, Self-Polishing Liquid Floor Wax, Paste Floor Wax, and a Preparation for Providing a Waterproof and Lustrous Coating on Floors and Linoleum.
Claims use since September, 1935.

Ser. No. 408,331. H. KIRK WHITE AND COMPANY, Oconomowoc, Wis. Filed July 8, 1938.

AQUALUM

For Paints in Paste Form.
Claims use since May 29, 1938.

Ser. No. 409,223. HAYDN F. WHITE & COMPANY, Cleveland, Ohio. Filed Aug. 3, 1938.

SPEEDART

For Waterproofing Compounds in the Nature of Paint, and Coating Compounds for Providing a Temporary Protective Film for Painted, Enameled, Varnished, or Lacquered Surfaces and for Maintaining Polished Metal Surfaces Bright.
Claims use since May 16, 1938.

Ser. No. 409,803. HERBERT J. BROWNE, doing business as Ox-I-Stop Products Company, Atlanta, Ga. Filed Aug. 20, 1938.

OX-I-STOP

For Wax Polishing Preparation for Automobiles and Finished Surfaces Having Incidental Cleaning Properties.
Claims use since July 25, 1938.

Ser. No. 409,894. SOWA LABORATORIES, INC., New York, N. Y. Filed Aug. 23, 1938.

SHINEX

For Solid and Fluid Compositions for Cleaning, Preserving, and Polishing Finished Wooden Surfaces in One Operation, Such as Furniture, Floors, Woodwork, Etc.
Claims use since Aug. 5, 1938.

CLASS 17

Tobacco Products

Ser. No. 408,969. SCHWARTZ BROS. CIGAR CO., Ephrata, Pa. Filed July 27, 1938.

CRADO

Truly the Best!
DON'T BITE ---- JUST LITE

The wording "Truly the Best", "Don't Bite", and "Just Lite" is disclaimed apart from the mark.
For Cigars.
Claims use since May 19, 1938.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 396,062. ARNOLD, SCHWINN & COMPANY, Chicago, Ill. Filed Aug. 6, 1937.



The word "Hollywood" is disclaimed apart from the mark.
For Bicycles.
Claims use since July 15, 1937.

Ser. No. 406,105. SUN DODGER AUTO DOOR AWNINGS, Oklahoma City, Okla. Filed May 7, 1938.

SUN DODGER

For Auto Awnings.
Claims use since Apr. 16, 1938.

Ser. No. 409,336. YANKEE METAL PRODUCTS CORP., Norwalk, Conn. Filed Aug. 6, 1938.

YANKEE

For Vehicular Accessories—Namely, Rearview Mirrors, Mirror Heads, Fender Guides, and Replacement Parts for Said Named Accessories.
Claims use since 1925.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 406,992. WALTER SPIEGEL, New York, N. Y. Filed June 1, 1938.

TALKING DOOR

For Telephonic Communicating Equipment.
Claims use since Feb. 1, 1938.

Ser. No. 408,196. MOTOR MASTER PRODUCTS CORPORATION, Chicago, Ill. Filed July 5, 1938.

GOLD CROWN

The mark consists in a combination of the words "Gold Crown" with a gold band around the insulator portion of the spark plug at the upper end thereof.
For Spark Plugs.
Claims use since June 14, 1937.

Ser. No. 408,198. MOTOR MASTER PRODUCTS CORPORATION, Chicago, Ill. Filed July 5, 1938.

PURPLE CROWN

The mark consists in a combination of the words "Purple Crown" with a purple band around the insulator portion of the spark plug at the upper end thereof.
For Spark Plugs.
Claims use since June 14, 1937.

Ser. No. 408,199. MOTOR MASTER PRODUCTS CORPORATION, Chicago, Ill. Filed July 5, 1938.

RED CROWN

The mark consists in a combination of the words "Red Crown" with a red band around the insulator portion of the spark plug at the upper end thereof.
For Spark Plugs.
Claims use since June 14, 1937.

Ser. No. 408,234. DAVART INCORPORATED, New York, N. Y. Filed July 6, 1938.

Collingwood

No claim is made to the term "Collingwood" apart from the mark.
For Desk Lamps, Table Lamps, Boudoir Lamps, Commode Lamps, Candlesticks, and Lighting Urns, All Being Electrical.
Claims use since May 1, 1938.

Ser. No. 408,245. INTERNATIONAL TELEPHONE DEVELOPMENT CORPORATION, New York, N. Y. Filed July 6, 1938.

Standard Selenorec

The word "Standard" is disclaimed apart from the mark.
For Selenium Rectifiers.
Claims use since Apr. 26, 1938.

Ser. No. 409,195. G. B. & M. ELECTRIC CO., INC., Indianapolis, Ind. Filed Aug. 3, 1938.

TRAFFIC TRADE MARK

The expression "Trade Mark" is disclaimed.
For Electric Speed Reminder Signal for Vehicles.
Claims use since Nov. 21, 1937.

Ser. No. 409,222. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed Aug. 3, 1938.

SILVERSTAT

For Electric Regulators for Regulating the Excitation of Dynamo-Electric Machines.
Claims use since May 3, 1938.

Ser. No. 409,446. STEWART-WARNER CORPORATION, Chicago, Ill. Filed Aug. 10, 1938.

VARSITY

For Radio Receiving Sets.
Claims use since July 14, 1938.

Ser. No. 409,447. STEWART-WARNER CORPORATION, Chicago, Ill. Filed Aug. 10, 1938.

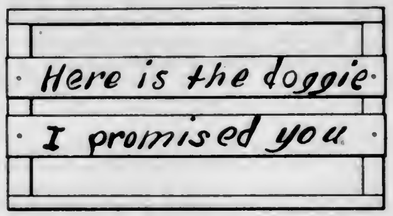
CAMPUS

For Radio Receiving Sets.
Claims use since July 15, 1938.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 406,840. CHESTER VAN TONGEREN, doing business as Dutch Novelty Shops, Holland, Mich. Filed May 27, 1938.



Applicant disclaims the representation of a toy crate apart from the mark.
For Novelty Toy Crates.
Claims use since Nov. 1, 1936.

Ser. No. 406,841. CHESTER VAN TONGEREN, doing business as Dutch Novelty Shops, Holland, Mich. Filed May 27, 1938.



Applicant disclaims the representation of a toy booth apart from the mark.
For Novelty Toy—Namely, Miniature Outdoor Toilet.
Claims use since Apr. 10, 1935.

Ser. No. 410,538. RALPH DESALVO, New York, N. Y. Filed Sept. 14, 1938.

New Era

The drawing is lined for green.
For Golf Balls.
Claims use since Jan. 1, 1930.

Ser. No. 410,777. DONNELLY & DU BOIS, Pelham Manor, N. Y. Filed Sept. 20, 1938.

Swingdice

The word "Dice" is disclaimed except as part of the mark shown.
For Games Played with Dice and Game Pieces.
Claims use since Sept. 14, 1938.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 398,914. MERLA TOOL COMPANY, Dallas, Tex. Filed Oct. 25, 1937.

MERLA

For Oil Well Tools Such as Flow Valves, Packers, Flow Beans, Standing Valves, Insert Pump Anchors, Swab Sucker Rod Guides, and the Like.
Claims use since Dec. 1, 1935.

Ser. No. 401,250. CHARLES H. FRYBURG, doing business as Federated Neon Counsellors, Philadelphia, Pa. Filed Dec. 27, 1937.

Neohn

For Plant Equipment—Namely, Blowers Used to Give Uniform Volume of Pure Air, Injectors for Driving or Forcing Gases into a Receiver, Mechanical Devices for Mixing Gas and Air.

Claims use since Dec. 18, 1937.

Ser. No. 404,980. ROBERT J. S. CARTER, Minneapolis, Minn. Filed Apr. 7, 1938.

BIND-O

The word "Bind" is disclaimed apart from the letter "O".

For Tape Bound Textile and Metallic Screens for Use in Machines for Bolting, Purifying, and Sifting All Kinds of Ground Products, Such as Flour, Ground Cereal Grains, Minerals, or Other Products That Are Normally Handled on Sifting Machines That Require Either Fabric or Metallic Screens in the Sifting Operation.

Claims use since Mar. 22, 1937.

Ser. No. 405,151. DESOUTTER BROTHERS LIMITED, London, England. Filed Apr. 12, 1938.

ATOM

For Portable Drilling and Screw-Driving Machines for Industrial Uses.

Claims use since 1936.

Ser. No. 405,595. DESOUTTER BROTHERS LIMITED, London, England. Filed Apr. 22, 1938.

MIGHTY ATOM

For Portable Drilling and Screw-Driving Machines for Industrial Uses.

Claims use since 1936.

Ser. No. 406,082. AMERICAN MACHINE AND FOUNDRY COMPANY, New York, N. Y. Filed May 7, 1938.

AMF

For Tobacco Machinery and Parts Thereof, Particularly Cigarette Making Machinery and Attachments Therefor, Cigarette Tippers, Printers, Sealers, Pasters, Cutoffs, Collectors; Cigarette Tobacco Feeds; Bakery Machinery and Parts Thereof, Particularly Bread Wrappers and Attachments Thereto; Bread Package Sealers, Bread Slicers and Slicer Blades, Bread Conveyors, Dough Mixers, Dough Dividers and Rounders, Roll Machines, Pan Cleaning and Greasing Machines, Flour Handling Equipment Including Flour Storing and/or Conveying Machinery, Flour Sifters, Industrial Mixers and Bowl Handling Equipment for Said Mixers, Industrial Powdered Material Handling and Sifting Equipment; Apparel Machinery, Particularly Necktie Tie Sewing Machines and Necktie Folding Machines; Drilling and Tapping Machinery, Particularly Drill Chucks, Tapping Attachments, and Tap Chucks; Wrapping Machinery and Packing Machinery, Including Machinery for Wrapping and/or Packing, Cigars, Cigarettes, Bread, and Other Articles of Suitable Size and Shape, and Cartons Containing Edible and Other Materials, and Parts of All of the Foregoing Machinery and Mechanism.

Claims use as to tobacco machinery since April, 1937; as to bakery machinery, industrial mixers, industrial powdered material handling and sifting equipment, since September, 1936; as to apparel machinery since April, 1937; as to drilling and tapping machinery since May, 1937; as to wrapping and packing machinery since September, 1936.

Ser. No. 407,322. OSCO MOTORS CORPORATION, Philadelphia, Pa. Filed June 10, 1938.

3 IN 1

For Internal Combustion Engine Manifolds and Parts Therefor.

Claims use since Mar. 17, 1934.

Ser. No. 407,741. ROTOL AIRSCREWS LIMITED, Gloucester, England. Filed June 21, 1938.

ROTOL

For Variable Pitch Airscrews, Gears (Variable), and Transmission Gearing and Power Transmission Units for Driving or Operating the Following Apparatus—Variable Pitch Airscrews, Under-Carriages, Compressors, Dynamos, De-Icing Apparatus and Indicators for Blind Flying, All Being Parts of Aircraft; Gears (Variable) and Transmission Gearing and Power Transmission Units, for Driving or Operating Guns and Gun Turrets on Aircraft.

Claims use since June 1, 1937.

Ser. No. 407,742. ROTOL AIRSCREWS LIMITED, Gloucester, England. Filed June 21, 1938.

ROTOL

For Variable Pitch Airscrews, Gears (Variable), and Transmission Gearing and Power Transmission Units for Driving or Operating the Following Apparatus—Variable Pitch Airscrews, Undercarriages, Compressors, Dynamos, De-Icing Apparatus and Indicators for Blind Flying, All Being Parts of Aircraft; Gears (Variable) and Transmission Gearing and Power Transmission Units, for Driving or Operating Guns and Gun Turrets on Aircraft.

Claims use since June 1, 1937.

Ser. No. 408,896. PARIS MANUFACTURING CO., INC., Paris, Ill. Filed July 25, 1938.

Parmanco

For Earth Boring Machines and Parts Thereof, Pipe Mandrels, and Earth Boring Augers and Parts Thereof.

Claims use since Nov. 24, 1937.

Ser. No. 409,038. INTERNATIONAL PARTS CORP., Chicago, Ill. Filed July 29, 1938.



Silver Knight

For Mufflers for Internal Combustion Engines and Parts Thereof.

Claims use since July 15, 1938.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 405,545. THOMAS A. BAXTER, Nottingham, England. Filed Apr. 21, 1938.

ULTIMAT

For Spirits Measuring Apparatus for Publicans (Bar Tenders).

Claims use since May 23, 1936.

Ser. No. 406,837. VALSTS ELEKTROTECHNISKĀ FABRIKA, Riga, Latvia. Filed May 27, 1938.

M I N O X

For Cameras, Photo Enlarging Apparatus, Film Developing Apparatus, Exposure Meters, and Camera Stands.

Claims use since Jan. 10, 1938.

Ser. No. 408,779. S. F. BOWSER & COMPANY, INCORPORATED, Fort Wayne, Ind. Filed July 22, 1938.

AKRAFLO

For Measuring, Indicating, and Recording Apparatus for Use in Dispensing Oils, Gasoline, and Other Liquids.

Claims use since July 8, 1938.

Ser. No. 409,109. SHURON OPTICAL COMPANY, INC., Geneva, N. Y. Filed July 30, 1938.

BROWLINE

For Frames and Mountings for Spectacles and Eyeglasses.

Claims use since Apr. 19, 1936.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 405,598. ELROSE MANUFACTURING CORP., New York, N. Y. Filed Apr. 22, 1938.

22 KARAT L GOLD PLATE

The words "22 Karat Gold Plate" are disclaimed apart from the mark.

For Ash Trays, Cigarette Boxes, Candy Boxes, Trays, Picture Frames, and Table Center Pieces, All of the Foregoing Articles Being Made in Whole or in Part of Precious Metal or Plated with the Same.

Claims use since March, 1936.

Ser. No. 409,400. ROBERT KESLER, New York, N. Y. Filed Aug. 9, 1938.

WHEEL OF PROGRESS

For Gold Plated Spoons.

Claims use since July 22, 1938.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 407,984. HANLON & GOODMAN CO., Belleville, N. J. Filed June 28, 1938.

STREAMLINE

For Brushes, Particularly Paint Brushes.

Claims use since May 28, 1937.

Ser. No. 408,252. STANLEY HOME PRODUCTS, INC., Westfield, Mass. Filed July 6, 1938.

QUALITY+

The word "Quality" is disclaimed apart from the mark.

For Brushes—Namely, Clothes Brushes, Curtain Brushes, Hair Brushes, Face Brushes, Tooth Brushes, Manicure Brushes, Shaving Brushes, Bath Brushes, Scrubbing Brushes, and Dust Pan Brushes, Percolator Brushes, Vegetable Brushes, Jewelry Brushes, Brooms, and Mops.

Claims use since Mar. 15, 1938.

CLASS 32

Furniture and Upholstery

Ser. No. 378,570. S. KARPEN & BROS., Chicago, Ill. Filed May 18, 1936.

Raleigh Court

No claim is made to the word "Raleigh" apart from the mark.

For Davenports, Sofas, Love Seats, Chairs, Rockers, Tables, Desks, Beds, Dressers, Chests, Sideboards, Buffets, and China Closets.

Claims use since May 1, 1936.

Ser. No. 395,940. BURTON-DIXIE CORPORATION, Chicago, Ill. Filed Aug. 3, 1937.

Vanity Fair

For Mattresses, Box-Springs, Studio-Couches, Bed-Springs, Pillows.

Claims use since April, 1926.

Ser. No. 408,474. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa. Filed July 13, 1938.

POLAR PROCESS

Applicant disclaims the word "Process" apart from the mark.

For Mirrors.

Claims use since May 6, 1938.

Ser. No. 410,167. BELMORE UPHOLSTERY SHOP INC., New York, N. Y. Filed Sept. 1, 1938.

BELMORE BILT

Applicant disclaims the notation "Bilt" apart from the mark.

For Upholstered Chairs, Sofas, Settees, and Divans.

Claims use since Aug. 15, 1938.

Ser. No. 410,809. D. N. & E. WALTER & Co., San Francisco, Calif. Filed Sept. 20, 1938.

REGAL

For Venetian Blinds.

Claims use since May 15, 1936.

Ser. No. 410,862. VIBERT C. DRAKE, Oklahoma City, Okla. Filed Sept. 22, 1938.

Honeymoon

For Mattresses.

Claims use since Oct. 25, 1937.

CLASS 33

Glassware

Ser. No. 409,021. DUNBAR GLASS CORPORATION, Dunbar, W. Va. Filed July 28, 1938.

DUNBAKE

GUARANTEED

The word "Guaranteed" is disclaimed apart from the mark.

For Oven and Other Cooking Glassware.

Claims use since July 1, 1938.

Ser. No. 409,853. UNITED STATES GLASS CO., Tiffin, Ohio. Filed Aug. 22, 1938.

Pinafore

For Glass Table Ware and Glass Bar Ware.

Claims use since May 10, 1938.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 409,295. CENTURY ENGINEERING CORPORATION, Cedar Rapids, Iowa. Filed Aug. 6, 1938.

ZONE KING

For Gas and Oil Burning Furnaces and Boilers.

Claims use since Aug. 3, 1938.

Ser. No. 409,296. CENTURY ENGINEERING CORPORATION, Cedar Rapids, Iowa. Filed Aug. 6, 1938.

ZONE QUEEN

For Gas and Oil Burning Furnaces and Boilers.

Claims use since Aug. 3, 1938.

Ser. No. 409,848. NATIONAL BOILER PROTECTOR CO., Dayton, Ohio. Filed Aug. 22, 1938.

NBP Co.

For Boiler Seam Protectors Consisting of Metal Clamps and Refractory Coverings Associated Therewith for Protecting the Seams of Steam and Other Boilers and the Like From Being Burned.

Claims use since July 19, 1938.

Ser. No. 410,460. EMBURY MANUFACTURING COMPANY, Warsaw, N. Y. Filed Sept. 12, 1938.

AIR PILOT

For Lanterns Burning Liquid Fuel.

Claims use since Sept. 2, 1938.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 407,639. RAYBESTOS-MANHATTAN, INC., Passaic, N. J. Filed June 18, 1938.

GREY-ROCK WYRBAC

Applicant disclaims the term "Wyrbac" apart from the mark.

For Brake Linings.

Claims use since June 2, 1938.

Ser. No. 410,921. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla. Filed Sept. 23, 1938.

UNIQUE

For Inner Tubes for Pneumatic Vehicle Tires.

Claims use since July 14, 1938.

CLASS 36

Musical Instruments and Supplies

Ser. No. 401,618. RCA MANUFACTURING COMPANY, INC., Camden, N. J. Filed Jan. 6, 1938.

BLUEBIRD RECORD

No claim is made to the word "Record" apart from the mark.

For Sound Records for Talking Machines.

Claims use since Aug. 16, 1937.

CLASS 37

Paper and Stationery

Ser. No. 407,295. AMERICAN LACE PAPER COMPANY, Milwaukee, Wis. Filed June 10, 1938.



For Shelf Paper.

Claims use since January, 1938.

Ser. No. 407,658. THE CAXTON PRINTERS, LTD., Caldwell, Idaho. Filed June 20, 1938.



For Record Books, Blank Bound Books for Public and Private Offices, Blank Loose Leaf Books for Private and Public Offices, Printed Letterheads, Printed Forms, Printed Legal Blanks, Printed Loose Leaf Record Book Forms, Office Forms, Rubber Stamps, and Envelopes.

Claims use since 1910.

Ser. No. 408,749. BRIDGESTER, INC., New York, N. Y. Filed July 21, 1938.



For Bridge Accessories—Namely, Score Pads and Coasters Made of Pressed Paper.
Claims use since July 1, 1938.

Ser. No. 409,309. GOLDSMITH BROS., New York, N. Y. Filed Aug. 6, 1938.

E. Z. TONE

For Filing Cards, Filing Guides, Folders, and Paper Expanding Files.
Claims use since May 1, 1937.

Ser. No. 409,556. BROWN & BIGELOW, St. Paul, Minn. Filed Aug. 13, 1938.

PRESTO

For Telephone Index Pads.
Claims use since Aug. 9, 1938.

Ser. No. 410,521. THE RED BRIDGE BOOK CLOTH COMPANY, LIMITED, Ainsworth, Bolton, England. Filed Sept. 13, 1938.

CLARATEX

For Tracing Cloth and Tracing Paper.
Claims use since Nov. 8, 1930.

CLASS 38

Prints and Publications

Ser. No. 400,620. J. M. THACKER, New York, N. Y. Filed Dec. 8, 1937.



For Magazine Published Annually.
Claims use since Sept. 5, 1937.

Ser. No. 408,177. NEWARK SAFETY COUNCIL, Newark, N. J. Filed July 2, 1938.

SAFETY BRIEFS

For Periodical Publication.
Claims use since May 1, 1938.

Ser. No. 409,359. INSURANCE PUBLICATIONS, INC., Des Moines, Iowa. Filed Aug. 8, 1938.

Leader's Digest

For Periodical Magazine.
Claims use since June, 1938.

Ser. No. 409,361. RAYMOND N. KLASS, Cedar Rapids, Iowa. Filed Aug. 8, 1938.

KLASS'S AUTOMOBILE NEGLIGENCE KIT



For Book Series.
Claims use since June 21, 1937.

Ser. No. 410,119. SIMMONS-BOARDMAN PUBLISHING CORPORATION, New York, N. Y. Filed Aug. 30, 1938.

PruCost

For Section or Department of a Periodical.
Claims use since May 10, 1938.

CLASS 39

Clothing

Ser. No. 391,153. SNAPITON FROCKS, INC., New York, N. Y. Filed Apr. 9, 1937.

The SNAPPER

For Women's and Misses' Dresses.
Claims use since Mar. 26, 1937.

Ser. No. 398,277. DOLLAR BROTHERS SHOE COMPANY, Madisonville, Ky. Filed Oct. 8, 1937.



The word "Shoes" is disclaimed.
For Men's, Women's, and Children's Dress and Work Shoes and Boots Made of Leather and/or Fabric and/or Rubber and/or Combinations of Leather and/or Fabric and/or Rubber.
Claims use since Oct. 3, 1932.

Ser. No. 398,670. THE FELTMAN & CURME SHOE STORES COMPANY, Chicago, Ill. Filed Oct. 19, 1937.



The trade-mark is applied or affixed to the goods by being incorporated in the shoe bottom as an insert of substantially the shape shown in the drawing and of a contrasting blue color, and the maker's name, "Feltman Curme" is placed adjacent thereto in the bottom.
The drawing is lined to indicate a blue color. The words "Fits the Arch" and the surnames "Feltman Curme" not distinctly displayed, are disclaimed for purposes of this registration only and without waiving any common law rights in the same. The outline of the insole per se is hereby disclaimed.
For Leather Shoes, Fabric Shoes, and Shoes of Leather and Fabric.
Claims use since August, 1931.

Ser. No. 398,671. THE FELTMAN & CURME SHOE STORES COMPANY, Chicago, Ill. Filed Oct. 19, 1937.



The trade-mark is applied or affixed to the goods by being incorporated in the shoe bottom as an insert of substantially the shape shown in the drawing and of a contrasting green color, and the maker's name, "Feltman Curme" is placed adjacent thereto in the bottom.
The drawing is lined to indicate a green color. The words "Fits the Arch" and the surnames "Feltman Curme" not distinctly displayed, are disclaimed for purposes of this registration only and without waiving any common law rights in the same. The outline of the insole per se is hereby disclaimed.
For Leather Shoes, Fabric Shoes, and Shoes of Leather and Fabric.
Claims use since August, 1931.

Ser. No. 398,672. THE FELTMAN & CURME SHOE STORES COMPANY, Chicago, Ill. Filed Oct. 19, 1937.



The trade-mark is applied or affixed to the goods by being incorporated in the shoe bottom as an insert of substantially the shape shown in the drawing and of a contrasting white color, and the maker's name, "Feltman Curme" is placed adjacent thereto in the bottom.
The drawing is lined to indicate a white color. The words "Fits the Arch" and the surnames "Feltman Curme" not distinctly displayed, are disclaimed for purposes of this registration only and without waiving any common law rights in the same. The outline of the insole per se is hereby disclaimed.
For Leather Shoes, Fabric Shoes, and Shoes of Leather and Fabric.
Claims use since August, 1931.

Ser. No. 408,749. BRIDGESTER, INC., New York, N. Y. Filed July 21, 1938.



For Bridge Accessories—Namely, Score Pads and Coasters Made of Pressed Paper.
Claims use since July 1, 1938.

Ser. No. 409,309. GOLDSMITH BROS., New York, N. Y. Filed Aug. 6, 1938.

E. Z. TONE

For Filing Cards, Filing Guides, Folders, and Paper Expanding Files.
Claims use since May 1, 1937.

Ser. No. 409,556. BROWN & BIGELOW, St. Paul, Minn. Filed Aug. 13, 1938.

PRESTO

For Telephone Index Pads.
Claims use since Aug. 9, 1938.

Ser. No. 410,521. THE RED BRIDGE BOOK CLOTH COMPANY, LIMITED, Ainsworth, Bolton, England. Filed Sept. 13, 1938.

CLARATEX

For Tracing Cloth and Tracing Paper.
Claims use since Nov. 8, 1930.

CLASS 38

Prints and Publications

Ser. No. 400,620. J. M. THACKER, New York, N. Y. Filed Dec. 8, 1937.



For Magazine Published Annually.
Claims use since Sept. 5, 1937.

Ser. No. 408,177. NEWARK SAFETY COUNCIL, Newark, N. J. Filed July 2, 1938.

SAFETY BRIEFS

For Periodical Publication.
Claims use since May 1, 1938.

Ser. No. 409,359. INSURANCE PUBLICATIONS, INC., Des Moines, Iowa. Filed Aug. 8, 1938.

Leader's Digest

For Periodical Magazine.
Claims use since June, 1938.

Ser. No. 409,361. RAYMOND N. KLASS, Cedar Rapids, Iowa. Filed Aug. 8, 1938.

KLASS'S AUTOMOBILE NEGLIGENCE KIT



For Book Series.
Claims use since June 21, 1937.

Ser. No. 410,119. SIMMONS-BOARDMAN PUBLISHING CORPORATION, New York, N. Y. Filed Aug. 30, 1938.

PruCost

For Section or Department of a Periodical.
Claims use since May 10, 1938.

CLASS 39

Clothing

Ser. No. 391,153. SNAPITON FROCKS, INC., New York, N. Y. Filed Apr. 9, 1937.

The SNAPPER

For Women's and Misses' Dresses.
Claims use since Mar. 26, 1937.

Ser. No. 398,277. DOLLAR BROTHERS SHOE COMPANY, Madisonville, Ky. Filed Oct. 8, 1937.



The word "Shoes" is disclaimed.
For Men's, Women's, and Children's Dress and Work Shoes and Boots Made of Leather and/or Fabric and/or Rubber and/or Combinations of Leather and/or Fabric and/or Rubber.
Claims use since Oct. 3, 1932.

Ser. No. 398,670. THE FELTMAN & CURME SHOE STORES COMPANY, Chicago, Ill. Filed Oct. 19, 1937.



The trade-mark is applied or affixed to the goods by being incorporated in the shoe bottom as an insert of substantially the shape shown in the drawing and of a contrasting blue color, and the maker's name, "Feltman Curme" is placed adjacent thereto in the bottom.
The drawing is lined to indicate a blue color. The words "Fits the Arch" and the surnames "Feltman Curme" not distinctly displayed, are disclaimed for purposes of this registration only and without waiving any common law rights in the same. The outline of the insole per se is hereby disclaimed.
For Leather Shoes, Fabric Shoes, and Shoes of Leather and Fabric.
Claims use since August, 1931.

Ser. No. 398,671. THE FELTMAN & CURME SHOE STORES COMPANY, Chicago, Ill. Filed Oct. 19, 1937.



The trade-mark is applied or affixed to the goods by being incorporated in the shoe bottom as an insert of substantially the shape shown in the drawing and of a contrasting green color, and the maker's name, "Feltman Curme" is placed adjacent thereto in the bottom.
The drawing is lined to indicate a green color. The words "Fits the Arch" and the surnames "Feltman Curme" not distinctly displayed, are disclaimed for purposes of this registration only and without waiving any common law rights in the same. The outline of the insole per se is hereby disclaimed.
For Leather Shoes, Fabric Shoes, and Shoes of Leather and Fabric.
Claims use since August, 1931.

Ser. No. 398,672. THE FELTMAN & CURME SHOE STORES COMPANY, Chicago, Ill. Filed Oct. 19, 1937.



The trade-mark is applied or affixed to the goods by being incorporated in the shoe bottom as an insert of substantially the shape shown in the drawing and of a contrasting white color, and the maker's name, "Feltman Curme" is placed adjacent thereto in the bottom.
The drawing is lined to indicate a white color. The words "Fits the Arch" and the surnames "Feltman Curme" not distinctly displayed, are disclaimed for purposes of this registration only and without waiving any common law rights in the same. The outline of the insole per se is hereby disclaimed.
For Leather Shoes, Fabric Shoes, and Shoes of Leather and Fabric.
Claims use since August, 1931.

Ser. No. 400,970. HESS & RUBIN, INC., New York, N. Y. Filed Dec. 17, 1937.

Cap-A-Hood

The words "Cap" and "Hood" are disclaimed apart from the mark.
For Ladies' and Misses' Hats.
Claims use since Dec. 2, 1937.

Ser. No. 401,435. P. H. HANES KNITTING COMPANY, Winston-Salem, N. C. Filed Dec. 31, 1937.

HANES

WIND SHIELD

Applicant is the owner of registrations Numbers 105,203 and 155,702. No claim is made to the notation "Wind Shield" except as shown.
For One-, Two-, and Three-Piece Undergarments in Knitted or Woven Material for Men, Women, and Children—Namely, Shirts, Drawers, and Union Suits.
Claims use since Sept. 20, 1937.

Ser. No. 401,883. REGINALD H. BEDELL, doing business as The Slippette Manufacturing Company, Toronto, Ontario, Canada. Filed Jan. 14, 1938.

Slippette

For Slippers and Cases Therefor Sold as a Unit and Made of Rubberized Fabric.
Claims use since Sept. 27, 1937.

Ser. No. 405,686. CARMAC CO., Dallas, Tex. Filed Apr. 25, 1938.

Indian Summer

For Children's Dresses and Sun Suits.
Claims use since Feb. 1, 1938.

Ser. No. 407,499. HUB SHOE COMPANY, Boston, Mass. Filed June 15, 1938.

THE CLINTON SHOE THEY SUPPORT THE ARCH

The words "They Support the Arch", "Clinton", and "Shoe" are disclaimed apart from the mark.
For Women's Shoes Made of Leather and Fabric and of Combinations of Said Materials, Sometimes with Rubber Soles.
Claims use since Jan. 18, 1925.

Ser. No. 407,579. FIELDSTON SHOE CORPORATION, New York, N. Y. Filed June 16, 1938.

THE TOPPS SHOES

The word "Shoes" is disclaimed.
For Shoes of Leather, Rubber, or Fabric, or a Combination of Said Materials.
Claims use since Jan. 1, 1938.

Ser. No. 408,732. STYLPARK HATS, INC., Camden, N. J. Filed July 20, 1938.

Stylepark KNUBBY

The word "Knubby" is disclaimed apart from the mark.
For Men's and Boys' Hats.
Claims use since Mar. 7, 1938.

Ser. No. 409,127. HERMAL SHOE CO., Everett, Mass. Filed Aug. 1, 1938.

Adorables

For Shoes and Slippers Made Principally of Leather, of Fabric, and of a Combination of Leather and Fabric.
Claims use since May 23, 1938.

Ser. No. 409,403. M. S. LEVY & SONS, INC., Baltimore, Md. Filed Aug. 9, 1938.

BALI-BOCA

No claim is made to the word "Bali" apart from the mark.
For Men's Hats.
Claims use since July 22, 1938.

Ser. No. 409,565. E-Z MILLS, INC., New York, N. Y. Filed Aug. 13, 1938.

OTIS

Applicant is the owner of registration number 126,053, issued July 22, 1919, and effected under the 10-year proviso.
For Underwear for Men.
Claims use since 1870.

Ser. No. 409,595. A. J. TOWER COMPANY, Boston, Mass. Filed Aug. 13, 1938.

STAR BRAND

The word "Brand" is disclaimed apart from the mark.
For Rubber-Coated Garments—Namely, Coats, Jackets, Pants, Aprons, Sleeves, Sou'Westers, for Men and Women.
Claims use since Dec. 3, 1936.

Ser. No. 409,826. BOEPPLE SPORTSWEAR MILLS, INC., New York, N. Y. Filed Aug. 20, 1938.

"Bonnie Shetland"

The word "Shetland" is disclaimed apart from the mark.
For Ladies' Knitted Sweaters Containing a Substantial Portion of Shetland Wool.
Claims use since July 28, 1938.

Ser. No. 409,919. HOWARD HOSIERY COMPANY, Sinking Spring, Pa. Filed Aug. 24, 1938.

END-O-RUN
End of All Runs

The words "End of All Runs" are disclaimed apart from the mark.
For Ladies' Hosiery.
Claims use since Aug. 17, 1938.

Ser. No. 409,920. HOWARD HOSIERY COMPANY, Sinking Spring, Pa. Filed Aug. 24, 1938.

RUN MASTER
Masters all Runs

For Ladies' Hosiery.
Claims use since Aug. 17, 1938.

Ser. No. 409,924. LAKELAND MANUFACTURING COMPANY, Sheboygan, Wis. Filed Aug. 24, 1938.

ALGERGORA
WARMTH WITHOUT WEIGHT

The words "Warmth Without Weight" are disclaimed apart from the mark.
For Overcoats for Men.
Claims use since Jan. 2, 1937.

Ser. No. 410,178. HART, SCHAFFNER & MARX, Chicago, Ill. Filed Sept. 1, 1938.

Gulfweight

For Men's and Boys' Suits, Coats, Overcoats, Topcoats, Vests, Trousers, Knickerbockers, and Breeches.
Claims use since Sept. 15, 1936.

Ser. No. 410,245. ABBATE-SWIFT, INC., New York, N. Y. Filed Sept. 3, 1938.

Slim-U-Ette

For Women's and Misses' Dresses.
Claims use since February, 1938.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 404,813. LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I., and New York, N. Y. Filed Apr. 2, 1938.

Twilora

For Fabrics in the Piece of Cotton, Silk, Rayon, Wool, Linen, and/or Combinations thereof.
Claims use since January, 1938.

Ser. No. 408,083. COHN-HALL-MARX CO., New York, N. Y. Filed July 30, 1938.

Evenized

For Cotton, Rayon, Acetate, and Silk Piece Goods.
Claims use since June 23, 1938.

Ser. No. 409,562. CONTINENTAL MILLS, INC., Philadelphia, Pa. Filed Aug. 13, 1938.

CRETOUR

For Knitted and Woven Cloths Made of Wool, Worsted, Silk, or Rayon or Any Combination Thereof, Jersey Cloths, Eiderdowns, Chinchillas and Special Knitted Fabrics Having a Fleecy Pile or Surface, in the Piece.
Claims use since Aug. 10, 1938.

Ser. No. 409,662. WAGNER & SÖHN, Naunhof near Leipzig, Germany. Filed Aug. 16, 1938.



For Table Napkins, Tablecloths, Sheets and Pillowcases, Textile Fabrics in the Piece—Namely, Wool, Cotton, Silk, and Rayon, and Mixtures Thereof and Knitted Fabrics, and Ordinary Textile Towels.
Claims use since 1936.

Ser. No. 410,171. COLLINS & AIKMAN CORPORATION, Philadelphia, Pa., and New York, N. Y. Filed Sept. 1, 1938.

DURA ROY

For Corduroy, Velvet, and Velveteen Fabrics in the Piece and Cut Lengths.
Claims use since Aug. 3, 1938.

Ser. No. 410,239. PEPPERELL MANUFACTURING COMPANY, Boston, Mass. Filed Sept. 2, 1938.

CRESCENDO

For Rayon Piece Goods.
Claims use since Aug. 15, 1938.

Ser. No. 410,289. COHN-HALL-MARX CO., New York, N. Y. Filed Sept. 6, 1938.

PITTER-PATTER

For Cotton, Rayon, Acetate, and/or Silk Piece Goods.
Claims use since Aug. 9, 1938.

Ser. No. 410,535. CROMPTON COMPANY, West Warwick, R. I. Filed Sept. 14, 1938.

TROPIGAN

For Textile Fabrics in the Piece Made of Cotton, Linen, Rayon, Acetate Rayon, or Mixtures Thereof.
Claims use thereof since Aug. 10, 1938.

Ser. No. 410,552. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Sept. 14, 1938.

RONDO

For Cotton Piece Goods.
Claims use since 1927.

Ser. No. 410,554. PEPPERELL MANUFACTURING COMPANY, Boston, Mass. Filed Sept. 14, 1938.



For Textile Fabrics in the Piece of All Types and Styles, Made of Cotton, Silk, Rayon, Artificial Silk, Wool, or Mixtures of Cotton and Silk, Cotton and Rayon, Cotton and Artificial Silk, Cotton and Wool, or Wool and Silk, Wool and Rayon, or Wool and Artificial Silk; Towels and Toweling; Coverlets, Bed Spreads, Quilts, Comforter Covers, Puff Covers, Counterpanes, Mattress Ticking, Bed Sheets, Pillow Cases, and Table Covers Manufactured from Said Fabrics or Any of Them; and Blankets Made of Cotton, Wool, or Mixtures of Cotton and Wool, or Mixtures of Cotton and Silk, Cotton and Rayon, or Cotton and Artificial Silk.
Claims use since July 1, 1931.

Ser. No. 410,556. RYAN CONVERTING CORPORATION, New York, N. Y. Filed Sept. 14, 1938.

BARUNA

For Piece Goods of Linen, Cotton, Linen and Cotton, Cotton and Wool, Rayon, Silk and Rayon.
Claims use since May, 1938.

Ser. No. 410,581. CROMPTON COMPANY, West Warwick, R. I. Filed Sept. 15, 1938.

SPORTIGAN

For Textile Fabrics in the Piece Made of Cotton, Rayon, Linen, or Mixtures Thereof.
Claims use since Aug. 24, 1938.

Ser. No. 410,641. CROMPTON COMPANY, West Warwick, R. I. Filed Sept. 16, 1938.

WOOLIGAN

For Textile Fabrics in the Piece Made of Cotton, Rayon, Acetate Rayon, Wool, or Mixtures Thereof.
Claims use since Aug. 15, 1938.

Ser. No. 410,650. FORSTMANN WOOLEN CO., Passaic, N. J. Filed Sept. 16, 1938.

Gunniburl

For Woolen Piece Goods.
Claims use since Aug. 15, 1938.

CLASS 43

Thread and Yarn

Ser. No. 406,433. J. THIRIEZ FILS & FILS & CARTIER-BRESSON, SOCIETE A RESPONSABILITE LIMITEE, Lille, France. Filed May 17, 1938.

MATANIA

For Cotton Thread.
Claims use since Nov. 26, 1937.

Ser. No. 409,663. WAGNER & SÖHN, Naunhof near Leipzig, Germany. Filed Aug. 16, 1938.



For Yarn and Thread.
Claims use since 1936.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 404,900. ISTITUTO ORTOPEDICO RIZZOLI, Bologna, Italy. Filed Apr. 5, 1938.

GONISTAT

For Apparatus for the Control of the Articulation of the Knee in an Artificial Limb.
Claims use since Dec. 7, 1937.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 408,102. HIGH ROCK GINGER ALE COMPANY, Baltimore, Md. Filed July 1, 1938.



HIGH ROCK GINGER ALE COMPANY

No claim is made to the word "Orange" apart from the mark shown.
For Non-Alcoholic Maltless Beverages Sold as Soft Drinks and Extracts Used in Making Same.
Claims use since Feb. 2, 1937.

Ser. No. 408,103. HIGH ROCK GINGER ALE COMPANY, Baltimore, Md. Filed July 1, 1938.



HIGH ROCK GINGER ALE COMPANY

For Non-Alcoholic Maltless Beverages Sold as Soft Drinks and Extracts Used in Making Same.
Claims use since Feb. 2, 1937.

Ser. No. 408,104. HIGH ROCK GINGER ALE COMPANY, Baltimore, Md. Filed July 1, 1938.



HIGH ROCK GINGER ALE COMPANY

The word "Fruit" is disclaimed apart from the mark.
For Non-Alcoholic Maltless Beverages Sold as Soft Drinks and Extracts and Syrups Used in Making Same.
Claims use since Feb. 2, 1937.

Ser. No. 408,107. HIGH ROCK GINGER ALE COMPANY, Baltimore, Md. Filed July 1, 1938.



HIGH ROCK GINGER ALE COMPANY

The word "Fresh" is disclaimed apart from the mark.
For Non-Alcoholic Maltless Beverages Sold as Soft Drinks and Extracts Used in Making Same.
Claims use since Feb. 2, 1937.

Ser. No. 408,108. HIGH ROCK GINGER ALE COMPANY, Baltimore, Md. Filed July 1, 1938.



HIGH ROCK GINGER ALE COMPANY

The word "Orange" is disclaimed except as shown.
For Non-Alcoholic Maltless Beverages Sold as Soft Drinks and Extracts Used in Making Same.
Claims use since Feb. 2, 1937.

Ser. No. 408,250. POGEE PRODUCTS CO., San Francisco, Calif. Filed July 6, 1938.

POGEE

For Soft Drinks:
Claims use since June 10, 1938.

Ser. No. 410,201. WORLD BOTTLING COMPANY, LTD., New Orleans, La. Filed Sept. 1, 1938.

Dr.NUT

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, and Syrups, Extracts, and Flavors Used in Making the Same.
Claims use since May, 1931.

Ser. No. 410,270. JOHN MARTIN RODGERS, Vallejo, Calif. Filed Sept. 3, 1938.



For Non-Alcoholic, Non-Cereal, Maltless Beverages Sold as Soft Drinks, and Sirups and Extracts for Making the Same.
Claims use since Mar. 1, 1937.

Ser. No. 410,498. BEVERAGES OF AMERICA, INC., Chicago, Ill. Filed Sept. 13, 1938.

TOPPER

For Concentrate for Making Non-Alcoholic Beverages.
Claims use since Sept. 9, 1938.

Ser. No. 410,605. CLARENCE E. OPPERMAN, doing business as L. R. Opperman & Son, Birmingham, Ohio. Filed Sept. 15, 1938.

Orchard Gold

For Apple Juice and Apple Cider.
Claims use since Oct. 10, 1928.

Ser. No. 410,674. TOURLAINE FOOD PRODUCTS, INC., Chicago, Ill. Filed Sept. 16, 1938.

CLICK

For Carbonated, Non-Alcoholic Beverages, Including Chocolate Flavored Carbonated Beverages, Soft Drinks, and Non-Alcoholic Beverages, and Flavorings and Syrups, Including Chocolate Flavorings and Syrups, Utilized in the Making of Such Beverages.
Claims use since May 15, 1938.

CLASS 46

Foods and Ingredients of Foods

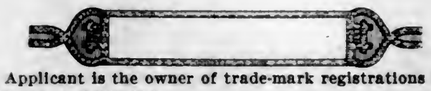
Ser. No. 354,295. HORN & HARDART BAKING COMPANY, Philadelphia, Pa. Filed July 25, 1934.

H & H

For Coffee, Tea, Bread, Cakes, Pastry, Fresh and Cooked Vegetables; Prepared Meats—Namely, Cured Ham, Baked Ham, Tongue, Roast Beef, and Fowl; Salads—Namely, Chicken Salad, Fruit Salad, Vegetable Salad, Shrimp Salad; Soups; Fresh and Cooked Fruits—Namely, Peaches, Pears, Apples, Prunes, Apricots.
Claims use since 1888.

Ser. No. 388,605. THE ROSENBLUM BROTHERS CO., Youngstown, Ohio. Filed Feb. 5, 1937.

Golden Treat



Applicant is the owner of trade-mark registrations Nos. 298,719 and 347,464.
For Certain Canned Foods—Namely, Spinach, Spaghetti, Tomato Soup, Vegetable Soup, Bean Soup, Corn, Peas, Irish Potatoes, Sweet Potatoes, Asparagus, Kidney Beans, Hominy, Pea Soup, Red Beans, Pumpkin, Lima Beans, Whole and Cut Stringless Beans, Mixed Vegetables, Tomato Juice, Tomatoes, Sauer Kraut, Diced Carrots, Baked Pork and Beans.
Claims use since February, 1934.

Ser. No. 392,140. JACOB FORST PACKING CO. INC., Kingston, N. Y. Filed May 1, 1937.



The word "Brand" is disclaimed apart from the mark.
For Foods and Particularly Bacon, Bologna, Frankfurters, Boiled Ham, Smoked Ham, and Meat Loaves Consisting of a Mixture of Beef and Pork.
Claims use since Jan. 1, 1937.

Ser. No. 401,444. JOSEPH I. MURRAY, St. Albans, New York, N. Y., assignor to Sunglow Food Corporation, New York, N. Y., a corporation of New York. Filed Dec. 31, 1937.

SUNGLOW

Applicant is the owner of trade-mark registration No. 149,865, issued Dec. 27, 1921.
For Fresh and Canned Fruit Juices, Citrus and Deciduous, for Food Purposes; Fresh Milk, Cheese, Cheese Spreads, Cream Spreads; Drinks Containing Milk—Namely, Chocolate Milk and Malted Milk; Mayonnaise, Salad Dressings, Honey, Cottonseed Oil and Olive Oil for Mayonnaise and Salad Dressings, Canned Vegetables, Canned Vegetable Juices, Preserved and Canned Fruit, Canned Milk, Canned Cocoanut, Canned Fish, Canned Shellfish, Yeast, Flavors and Flavoring Extracts for Food Purposes, Tea, Coffee, Baking Powder, Malt, Vinegar, Fresh and Dried Vegetables, Fresh Vegetable Juices; Fresh and Dried Fruit, Citrus and Deciduous, for Food Purposes; Dried Milk, Dried Cream, Butter, Fresh Cocoanut, Fresh and Dried Fish, Fresh and Dried Shellfish, Gelatine, Locust Beans; Gum Karaya, Gum Tragacanth, Irish Moss, Gum Arabic, Agar Agar, Used for Food Purposes; Mustard, Pepper, Paprika, Allspice, Cinnamon.
Claims use since Dec. 21, 1937.

Ser. No. 402,622. ANTHONY CASCARDO, doing business as Star of Italy Products Co., New York, N. Y. Filed Feb. 3, 1938.

STAR OF ITALY



Applicant is the owner of trade-mark registration No. 95,573. The words "Diano Marino" and "Italy" are disclaimed.
For Olive Oil.
Claims use since Apr. 12, 1928.

Ser. No. 402,810. MARX BROTHERS, Birmingham, Ala. Filed Feb. 7, 1938.

PERSIAN QUEEN

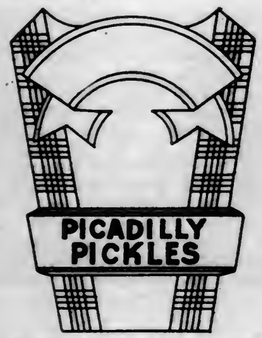
The word "Persian" is disclaimed apart from the mark.
For Dried Dates.
Claims use since Oct. 1, 1937.

Ser. No. 403,113. AMERICAN BUTTER COMPANY, Kansas City, Mo. Filed Feb. 17, 1938.

Greenmelk

For Feed for Poultry and Livestock.
Claims use since July 19, 1937.

Ser. No. 404,802. HARBOR PICKLE COMPANY, Long Beach, Calif. Filed Apr. 2, 1938.



No claim is made to the word "Pickles" apart from the mark.
For Pickles.
Claims use since Mar. 28, 1938.

Ser. No. 405,271. REYNOLDS & REYNOLDS, Dallas, Tex. Filed Apr. 14, 1938.



No claim is made to the word "Chili" apart from the mark.
For Chili Sandwiches.
Claims use since Aug. 1, 1937.

Ser. No. 406,127. FROST SEALED PRODUCTS, INC., Sumner, Wash. Filed May 9, 1938.

NORTHWIND

For Frozen Fruits, Vegetables, and Berries.
Claims use since May 2, 1938.

Ser. No. 406,600. THE PEPE-MAISANO CO., New Haven, Conn. Filed May 21, 1938.



For Canned Vegetables, Canned Fruit, Canned Fish, Canned Fruit Cocktail, Canned Chick Peas, Ripe Olives, Coffee, Olive Oil, and Macaroni.
Claims use since June, 1937.

Ser. No. 409,208. ROBERT T. POOLE, Candor and Troy, N. C. Filed Aug. 3, 1938.

Tuckahoe



No claim is made to the term "Tuckahoe" apart from the mark.
For Fresh Peaches.
Claims use since 1925.

Ser. No. 409,633. L. B. VERMILLION, doing business as Vermillion Packing Company and Vermillion Avocado Company, Vista, Calif. Filed Aug. 15, 1938.

SALAD TIME

For Fresh Avocados, Fresh Vegetables, Fresh Citrus Fruits, and Fresh Deciduous Fruits.
Claims use since July 31, 1938.

Ser. No. 409,723. AMERICAN CHICLE COMPANY, Long Island City, N. Y. Filed Aug. 18, 1938.

ADAMS
Chiclets

No claim is made to the representation of a label. The drawing is lined for red and yellow.
For Chewing Gum.
Claims use since July 29, 1938.

Ser. No. 410,044. MURRAY S. PARKER, Uniontown, Ohio. Filed Aug. 27, 1938.

Vitafied

For Eggs.
Claims use since July 23, 1938.

Ser. No. 410,300. MUTUAL CITRUS PRODUCTS CO., INC., Anaheim, Calif. Filed Sept. 6, 1938.

GOLDEN GOBLET

Applicant is the owner of registrations 358,596, dated July 19, 1938, and 358,589, dated July 19, 1938.
For Fresh Citrus Fruits.
Claims use since June 3, 1938.

Ser. No. 410,390. BUTTERITE COMPANY, Barrington, Ill. Filed Sept. 9, 1938.

BUTTERITE

For Food Product and Particularly for a Butter Flavor to be Used in All Types of Bakery Goods or Other Edible Goods in Which a Butter Flavor is Desired, but not as a Substitute for Butter.
Claims use since Aug. 10, 1938.

Ser. No. 410,400. JOE LOWE CORPORATION, New York, N. Y. Filed Sept. 9, 1938.

DREAMSICLE

For Frozen Confections.
Claims use since Aug. 19, 1938.

Ser. No. 410,480. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Filed Sept. 12, 1938.

HOISTER

For Wheat Flour.
Claims use since July 27, 1938.

CLASS 48

Malt Beverages and Liquors

Ser. No. 395,557. AMERICAN BREWING CO., OF ROCHESTER, N. Y. INC., Rochester, N. Y. Filed July 23, 1937. Under 10-year proviso.

APOLLO

For Beer.
Claims use since 1892.

CLASS 49

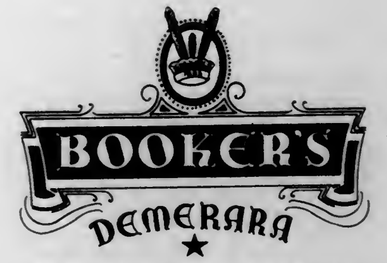
Distilled Alcoholic Liquors

Ser. No. 394,374. KRAUS BROS. & CO. INC., New York, N. Y. Filed June 22, 1937.

IMPERIAL CROWN

For Whiskey.
Claims use since Jan. 2, 1882.

Ser. No. 402,040. WEST SHORE WINE & LIQUOR CO., INC., New York, N. Y. Filed Jan. 17, 1938.



The words "Demerara" and "Liqueur Rum" are disclaimed apart from the mark.
For Rum.
Claims use since Jan. 1, 1937.

Ser. No. 403,632. BEN-BURK, INC., Boston, Mass. Filed Mar. 3, 1938.

OLD MR. BOSTON

DIAMOND BOTTLE

Applicant is the owner of registration No. 341,344, effected under the 10-year proviso, for the word "Boston". No claim is made to the word "Bottle" apart from the mark.

For Whiskey.
Claims use since Feb. 14, 1938.

Ser. No. 409,758. GEORGE BENZ SONS, INC., St. Paul, Minn. Filed Aug. 19, 1938.

The Colonel's Favorite

For Whiskey.
Claims use since Dec. 5, 1934.

Ser. No. 409,759. GEORGE BENZ SONS, INC., St. Paul, Minn. Filed Aug. 19, 1938.

OLD HARWICK

For Whiskey.
Claims use since Dec. 5, 1934.

Ser. No. 409,991. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Aug. 26, 1938. Under 10-year proviso.

Philadelphia

For Whiskey, Gin, Rum, Rye, Brandy, and Alcoholic Cordials.
Claims use since 1893.

Ser. No. 410,199. HIRAM WALKER & SONS, INC., Peoria, Ill. Filed Sept. 1, 1938.

RACQUET CLUB

The word "Club" is disclaimed apart from the mark.
For Whiskey.
Claims use since Aug. 6, 1938.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

NOVEMBER 1, 1938

361,731. CHOCOLATE SYRUP FOR FOOD PURPOSES AND A POWDER FOR MAKING CHOCOLATE SYRUP FOR FOOD PURPOSES. BOWEY'S, INC., Chicago, Ill.
Filed January 29, 1936. Serial No. 374,112. PUBLISHED AUGUST 23, 1938. Class 46.

361,732. TYPEWRITING MACHINES AND PARTS THEREOF. UNDERWOOD ELLIOTT FISHER COMPANY, New York, N. Y.
Filed June 25, 1936. Serial No. 380,241. PUBLISHED AUGUST 17, 1937. Class 23.

361,733. RADIO RECEIVING SETS. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio.
Filed July 3, 1936. Serial No. 380,561. PUBLISHED AUGUST 23, 1938. Class 21.

361,734. OIL BURNERS, OIL FILTERS FOR OIL BURNERS, BLOWERS FOR OIL BURNERS, BOILERS FOR OIL BURNING, ETC. MAY OIL BURNER CORPORATION, Baltimore, Md.
Filed August 5, 1936. Serial No. 381,843. PUBLISHED AUGUST 17, 1937. Class 34.

361,735. CANNED FISH, ESPECIALLY BRISLING (SARDINES), SILD, AND KIPPER SNACKS. AKTIESELSKAP JOHN BRAADLAND LTD., Stavanger, Norway.
Filed October 24, 1936. Serial No. 384,731. PUBLISHED JUNE 8, 1937. Class 46.

361,736. SLUSH PUMP VALVES, SLUSH PUMP VALVE SEAT PULLERS, SLUSH PUMP LINERS, SLUSH PUMP LINER PULLERS, SLUSH PUMP PISTON RODS, AND SLUSH PUMP VALVE SEATS. OIL WELL MANUFACTURING CORPORATION, Los Angeles, Calif.
Filed March 2, 1937. Serial No. 389,565. PUBLISHED AUGUST 17, 1937. Class 23.

361,737. SLUSH PUMP VALVES, SLUSH PUMP VALVE SEAT PULLERS, SLUSH PUMP LINERS, SLUSH PUMP LINER PULLERS, SLUSH PUMP PISTON RODS, AND SLUSH PUMP VALVE SEATS. OIL WELL MANUFACTURING CORPORATION, Los Angeles, Calif.
Filed March 2, 1937. Serial No. 389,566. PUBLISHED AUGUST 17, 1937. Class 23.

361,738. MILK, ICE CREAM, AND CANDY. THE HATCH DAIRY, INC., Danbury, Conn.
Filed April 20, 1937. Serial No. 391,574. PUBLISHED AUGUST 23, 1938. Class 46.

361,739. SCREW HOOKS, GATE HOOKS, AND SCREW EYES, WIRE BRADS, DOOR SPRINGS, CHAIN LINK FENCES; TORSION, EXTENSION, COMPRESSION, COIL, AND FLAT SPRINGS FOR GENERAL USE; WIRE NAILS, POULTRY NETTINGS, WOVEN WIRE ROAD GUARD, WIRE CLOTH. WICKWIRE SPENCER STEEL COMPANY, New York, N. Y.
Filed May 24, 1937. Serial No. 393,194. PUBLISHED AUGUST 23, 1938. Class 13.

361,740. APPARATUS FOR VAPORIZING A VOLATILE MEDICINAL SOLUTION INTO THE NASAL PASSAGES AND SINUS. JOHN LESTER JONES, Boulder, Colo.
Filed May 24, 1937. Serial No. 393,249. PUBLISHED AUGUST 23, 1938. Class 44.

361,741. HEATING, ILLUMINATING, AND LUBRICATING OILS, LUBRICATING GREASES, AND MOTOR FUEL OILS. INTAVA LIMITED, London, England.
Filed May 26, 1937. Serial No. 393,282. PUBLISHED JULY 20, 1937. Class 15.

361,742. CABLE OIL. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del.
Filed June 8, 1937. Serial No. 393,825. PUBLISHED MARCH 29, 1938. Class 15.

361,743. PETROLEUM PRODUCTS—NAMELY, LUBRICATING OILS AND GREASES. INTERNATIONAL LUBRICANT CORPORATION, New Orleans, La.
Filed June 11, 1937. Serial No. 393,957. PUBLISHED AUGUST 16, 1938. Class 15.

361,744. CANNED PEAS. GOPHER STATE CANNERIES, INC., Le Sueur, Minn.
Filed June 30, 1937. Serial No. 394,705. PUBLISHED AUGUST 23, 1938. Class 46.

361,745. TUBE TESTERS AND RADIO TESTING INSTRUMENTS UTILIZING TUBE TESTERS. THE JACKSON ELECTRICAL INSTRUMENT COMPANY, Dayton, Ohio.
Filed June 30, 1937. Serial No. 394,711. PUBLISHED AUGUST 23, 1938. Class 26.

361,746. FRESH ORANGES. EADINGTON FRUIT COMPANY, Fullerton, Calif.
Filed July 3, 1937. Serial No. 394,830. PUBLISHED AUGUST 23, 1938. Class 46.

361,747. WHISKEY. STITZEL-WELLER DISTILLERY, INCORPORATED, Shively, Ky.
Filed August 13, 1937. Serial No. 396,372. PUBLISHED AUGUST 23, 1938. Class 49.

361,748. WALL CANVAS, BEING A COTTON FABRIC. WHICH IS SOLD BY THE YARD. SCHERMERHORN BROS. CO., Chicago, Ill.
Filed August 17, 1937. Serial No. 396,513. PUBLISHED AUGUST 23, 1938. Class 42.

361,749. GASOLINE, LUBRICATING OILS, AND LUBRICATING GREASES. JOHN BARNES, Milwaukee, Wis.
Filed September 16, 1937. Serial No. 397,468. PUBLISHED JANUARY 4, 1938. Class 15.

361,750. HEATING AND VENTILATING GRILLES AND REGISTERS. BARBER-COLMAN COMPANY, Rockford, Ill.
Filed October 2, 1937. Serial No. 398,031. PUBLISHED AUGUST 23, 1938. Class 34.

361,751. PREPARATION IN CAPSULE FORM FOR THE TREATMENT OF HYPERTENSION, ARTERIOSCLEROSIS, ANGINA PECTORIS AND OTHER VASOMOTOR DISTURBANCES. TABLE ROCK LABORATORIES, Greenville, S. C.
Filed October 6, 1937. Serial No. 398,221. PUBLISHED AUGUST 9, 1938. Class 6.

361,752. WOOLEN AUTOMOBILE ROBES. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed October 19, 1937. Serial No. 398,678. PUBLISHED JANUARY 4, 1938. Class 42.

361,753. KITCHEN SETS—NAMELY, FLOUR, SUGAR, COFFEE, AND TEA CANISTERS, BREAD AND CAKE BOXES, FLOUR BINS, ETC. NATIONAL ENAMELING AND STAMPING COMPANY, Milwaukee, Wis.
Filed November 8, 1937. Serial No. 399,456. PUBLISHED FEBRUARY 15, 1938. Class 2.

361,754. EGGS, DRESSED POULTRY, ICE CREAM, BUTTERMILK, CHOCOLATE MILK, CREAM, FRESH MILK, COTTAGE CHEESE, AND CONDENSED BUTTERMILK USED AS A POULTRY AND HOG FEED. FRANK PILLEY & SONS, INC., Omaha, Nebr.
Filed December 1, 1937. Serial No. 400,354. PUBLISHED AUGUST 16, 1938. Class 46.

361,755. BOARD GAMES. FREDERICK M. ROBERT BURNS, New York, N. Y.
Filed December 17, 1937. Serial No. 400,946. PUBLISHED FEBRUARY 1, 1938. Class 22.

361,756. PERIODICAL PUBLICATION. ACTIVE INTERNATIONAL, Aberdeen, Wash., and Vancouver, British Columbia, Canada.
Filed December 18, 1937. Serial No. 401,009. PUBLISHED AUGUST 23, 1938. Class 38.

361,757. RAW POP CORN. AMERICAN POP CORN COMPANY, Sioux City, Iowa.
Filed December 18, 1937. Serial No. 401,012. PUBLISHED FEBRUARY 8, 1938. Class 46.

361,758. NONALCOHOLIC CARBONATED BEVERAGES AND EXTRACTS FOR MAKING NONALCOHOLIC BEVERAGES. CHIMES COMPANY, Chicago, Ill.
Filed December 20, 1937. Serial No. 401,050. PUBLISHED AUGUST 23, 1938. Class 45.

361,759. AIR COMPRESSORS AND CIRCULATING PUMPS. AMERICAN RADIATOR COMPANY, New York, N. Y.
Filed December 23, 1937. Serial No. 401,173. PUBLISHED AUGUST 23, 1938. Class 23.

361,760. CLOTHES DRYER. ELECTRIC HOUSEHOLD UTILITIES CORPORATION, Chicago, Ill.
Filed December 24, 1937. Serial No. 401,208. PUBLISHED AUGUST 16, 1938. Class 24.

361,761. ELECTRICAL CONNECTORS. BURNDY ENGINEERING COMPANY, INC., New York, N. Y.
Filed January 17, 1938. Serial No. 402,151. PUBLISHED AUGUST 23, 1938. Class 21.

361,762. POTS AND PANS MADE OF ENAMEL WARE, TIN WARE, IRON AND STEEL WARE, GALVANIZED WARE, CHROME WARE, AND ALUMINUM WARE. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash.
Filed January 24, 1938. Serial No. 402,243. PUBLISHED AUGUST 23, 1938. Class 13.

361,763. LUGGAGE BAGS. SCOTT-GRAFF CO., INC., South San Antonio, Tex.
Filed January 27, 1938. Serial No. 402,386. PUBLISHED AUGUST 23, 1938. Class 3.

361,764. WHISKEY. GIMBEL BROTHERS, INC., New York, N. Y.
Filed January 31, 1938. Serial No. 402,520. PUBLISHED AUGUST 23, 1938. Class 49.

361,765. CANDY. LIFE SAVERS CORPORATION, Port Chester, N. Y.
Filed February 1, 1938. Serial No. 402,568. PUBLISHED AUGUST 23, 1938. Class 46.

361,766. FLAVORED SPREAD FOR USE ON BREAD OR CRACKERS, OR AS A CAKE FILLING OR ICING, MADE OF PEANUT BUTTER, CHOCOLATE, AND OTHER INGREDIENTS. BERNARD L. OSER, doing business as The Deanut Company, New York, N. Y.
Filed February 4, 1938. Serial No. 402,691. PUBLISHED AUGUST 23, 1938. Class 46.

361,767. ADDING MACHINES. GENERAL REGISTER CORPORATION, New York, N. Y.
Filed February 9, 1938. Serial No. 402,857. PUBLISHED AUGUST 23, 1938. Class 26.

361,768. LUBRICATING OILS, LUBRICATING GREASES, AND GASOLINE. INTAVA LIMITED, London, England.
Filed February 16, 1938. Serial No. 403,084. PUBLISHED APRIL 26, 1938. Class 15.

361,769. CARBON PAPER SHEETS AND INK PADS. PHILLIPS PROCESS INC., Rochester, N. Y.
Filed February 17, 1938. Serial No. 403,145. PUBLISHED AUGUST 23, 1938. Class 11.

361,770. BLANK-CARTRIDGE FIRING BURGLAR ALARMS. BENJAMIN J. ARISMAN, doing business as Sentinel Alarm Company, Elkhart, Ind.
Filed February 25, 1938. Serial No. 403,390. PUBLISHED AUGUST 23, 1938. Class 9.

361,771. SPICES SUCH AS WHITE PEPPER, BLACK PEPPER, AND SAGE, AND THE LIKE. ENTERPRISE BUTCHER SUPPLY CO., INC., Dallas, Tex.
Filed March 1, 1938. Serial No. 403,546. PUBLISHED AUGUST 23, 1938. Class 46.

361,772. TOOLS, DIES, DRILLS, DRILL JIGS, AND MACHINERY—NAMELY, PRINTING PRESSES, AND PORTABLE ELEVATOR TABLES HAVING HOISTING MACHINERY THEREIN INCORPORATED. THE HAMILTON TOOL COMPANY, Hamilton, Ohio.
Filed March 4, 1938. Serial No. 403,685. PUBLISHED AUGUST 23, 1938. Class 23.

361,773. GLASS TABLE WARE AND GLASS BAR WARE. UNITED STATES GLASS CO., Pittsburgh, Pa.
Filed March 7, 1938. Serial No. 403,798. PUBLISHED AUGUST 23, 1938. Class 33.

361,774. GIN. AUSTIN, NICHOLS & CO., INC., Brooklyn, N. Y.
Filed March 10, 1938. Serial No. 403,897. PUBLISHED AUGUST 23, 1938. Class 49.

361,775. TRANSLUCENT ILLUMINATING LENSES OF SYNTHETIC RESINOUS MATERIAL, WHETHER COLORED OR OPAQUE, FOR USE IN ILLUMINATED SIGNS AND THE LIKE. AUTOMATIC BUTTON COMPANY, Muscatine, Iowa.
Filed March 11, 1938. Serial No. 403,932. PUBLISHED AUGUST 23, 1938. Class 34.

361,776. RULERS. SENECA FALLS RULE & BLOCK CO., INC., Seneca Falls, N. Y.
Filed March 17, 1938. Serial No. 404,185. PUBLISHED AUGUST 23, 1938. Class 26.

361,777. SOAP. GOYESCAS CORP., New York, N. Y.
Filed March 21, 1938. Serial No. 404,310. PUBLISHED AUGUST 23, 1938. Class 4.

361,778. COMPLEXION SOAP. THE J. R. WATKINS COMPANY, Winona, Minn.
Filed March 21, 1938. Serial No. 404,338. PUBLISHED AUGUST 23, 1938. Class 4.

361,779. FRESH ORANGES, LEMONS, AND AVOCADOS. ALBERTA M. BOURNE, Glendora, Calif.
Filed March 22, 1938. Serial No. 404,392. PUBLISHED AUGUST 23, 1938. Class 46.

361,780. WINES. HEARN DEPARTMENT STORES, INC., New York, N. Y.
Filed March 23, 1938. Serial No. 404,408. PUBLISHED AUGUST 23, 1938. Class 47.

361,781. TEA. S. A. SCHONBRUNN & CO., INC., New York, N. Y.
Filed March 26, 1938. Serial No. 404,548. PUBLISHED AUGUST 23, 1938. Class 46.

361,782. PERIODICAL. FISHING GAZETTE PUBLISHING CORP., New York, N. Y.
Filed March 30, 1938. Serial No. 404,639. PUBLISHED AUGUST 16, 1938. Class 38.

361,783. INSULATED ELECTRICAL WIRES AND CABLES. GENERAL CABLE CORPORATION, New York, N. Y.
Filed March 31, 1938. Serial No. 404,705. PUBLISHED AUGUST 23, 1938. Class 21.

361,784. BEER. HOLSTEN-BRAUEREI, Altona, Germany.
Filed March 31, 1938. Serial No. 404,713. PUBLISHED AUGUST 23, 1938. Class 48.

361,785. SAUCE FOR VEGETABLES, PUDDINGS, SOUPS, MEATS, AND FISH. PHILOMENE G. WALSH, Chicago, Ill.
Filed April 5, 1938. Serial No. 404,930. PUBLISHED AUGUST 23, 1938. Class 46.

361,786. GRINDING AND POLISHING WHEELS. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill.
Filed April 8, 1938. Serial No. 405,013. PUBLISHED AUGUST 23, 1938. Class 4.

361,787. MACARONI. MINNESOTA MACARONI COMPANY, St. Paul, Minn.
Filed April 9, 1938. Serial No. 405,077. PUBLISHED AUGUST 23, 1938. Class 46.

361,788. BREAD. BROWN BOMBER BAKING COMPANY, Detroit, Mich.
Filed April 18, 1938. Serial No. 405,381. PUBLISHED AUGUST 23, 1938. Class 46.

361,789. FRESH CITRUS FRUITS. LOUIS L. JACOB INC., Orlando, Fla.
Filed April 18, 1938. Serial No. 405,390. PUBLISHED AUGUST 23, 1938. Class 46.

361,790. MAGAZINE SECTION. LAUNDRY AGE PUBLISHING COMPANY, New York, N. Y.
Filed April 19, 1938. Serial No. 405,446. PUBLISHED AUGUST 23, 1938. Class 38.

361,791. MAGAZINE SECTION. LAUNDRY AGE PUBLISHING COMPANY, New York, N. Y.
Filed April 19, 1938. Serial No. 405,447. PUBLISHED AUGUST 23, 1938. Class 38.

361,792. MAGAZINE SECTION. LAUNDRY AGE PUBLISHING COMPANY, New York, N. Y.
Filed April 19, 1938. Serial No. 405,448. PUBLISHED AUGUST 23, 1938. Class 38.

361,793. WHISKEY. FRED WOLFERMAN, INC., Kansas City, Mo.
Filed April 20, 1938. Serial No. 405,540. PUBLISHED AUGUST 23, 1938. Class 49.

361,794. LUBRICATING OILS AND GREASES. THE OHIO OIL CO., Findlay, Ohio.
Filed April 21, 1938. Serial No. 405,565. PUBLISHED AUGUST 23, 1938. Class 15.

361,795. PRINTED SHEETS OF SPECIAL INFORMATION PUBLISHED AT IRREGULAR INTERVALS. MEREDITH PUBLISHING COMPANY, Des Moines, Iowa.
Filed April 25, 1938. Serial No. 405,702. PUBLISHED AUGUST 23, 1938. Class 38.

361,796. ELECTRIC FOOD MIXERS, ELECTRIC WAFFLE IRONS, AND ELECTRIC COFFEE PERCOLATORS. A. COHEN & SONS CORP., New York, N. Y.
Filed April 27, 1938. Serial No. 405,764. PUBLISHED AUGUST 23, 1938. Class 21.

361,797. ANAGRAM PUZZLE PUBLISHED AS A NEWSPAPER FEATURE. C. CARLTON CARROLL, Troy, N. Y.
Filed April 28, 1938. Serial No. 405,800. PUBLISHED AUGUST 16, 1938. Class 38.

361,798. MILLING MACHINES AND PARTS THEREOF. THE HALL PLANETARY COMPANY, Philadelphia, Pa.
Filed April 28, 1938. Serial No. 405,809. PUBLISHED AUGUST 23, 1938. Class 23.

361,799. CRACKERS. KING KONE CORPORATION, New York, N. Y.
Filed April 28, 1938. Serial No. 405,815. PUBLISHED AUGUST 23, 1938. Class 46.

361,800. MONTHLY PUBLICATION. WALTER F. HEER, doing business as The Hunter Trader Trapper Co., Columbus, Ohio.
Filed April 30, 1938. Serial No. 405,877. PUBLISHED AUGUST 16, 1938. Class 38.

361,801. NEWSPAPER COLUMN PUBLISHED FROM TIME TO TIME. THE J. R. WATKINS COMPANY, Winona, Minn.
Filed April 30, 1938. Serial No. 405,903. PUBLISHED AUGUST 16, 1938. Class 38.

361,802. ELECTRIC RAILWAY TOYS. VEREINIGTE SPIELWARENFABRIKEN ANDREAS FÖRTNER & J. HAFFNER'S NACHF. G. M. B. H., Nuremberg, Germany.
Filed May 2, 1938. Serial No. 405,946. PUBLISHED AUGUST 23, 1938. Class 22.

361,803. BOOKS, PARTICULARLY DICTIONARIES. G. & C. MERRIAM COMPANY, Springfield, Mass.
Filed May 4, 1938. Serial No. 405,997. PUBLISHED AUGUST 23, 1938. Class 38.

361,804. BOOKS, PARTICULARLY DICTIONARIES. G. & C. MERRIAM COMPANY, Springfield, Mass.
Filed May 4, 1938. Serial No. 405,999. PUBLISHED AUGUST 23, 1938. Class 38.

361,805. SPECIAL FEATURED COLUMN FOR NEWSPAPERS, MAGAZINES, AND THE LIKE. FRANK ROMER, Washington, D. C.
Filed May 5, 1938. Serial No. 406,030. PUBLISHED AUGUST 16, 1938. Class 38.

361,806. ELECTRIC WATER SUPPLY HEATERS. BASTIAN-MORLEY CO., INC., La Porte, Ind.
Filed May 6, 1938. Serial No. 406,044. PUBLISHED AUGUST 23, 1938. Class 21.

361,807. CANDIED LEMON PEEL, CANDIED CITRON PEEL, CANDIED ORANGE PEEL, CANDIED CHERRIES, CHERRIES IN SYRUP (MARASCHINO TYPE), AND CANDIED DICED FRUIT MIXTURE. CAUSSE MANUFACTURING & IMPORTING CO., New York, N. Y.
Filed May 9, 1938. Serial No. 406,117. PUBLISHED AUGUST 23, 1938. Class 46.

361,808. COMPANY HOUSE ORGAN. VAN SANT DUGDALE & COMPANY, Baltimore, Md.
Filed May 10, 1938. Serial No. 406,203. PUBLISHED AUGUST 23, 1938. Class 38.

361,809. CANNED FRUITS, CANNED VEGETABLES, CANNED BERRIES, CANNED FRUIT JUICES FOR FOOD PURPOSES, ETC. F. & M. IMPORTING CO. INC., also doing business as Santa Monica Importing Co., Los Angeles, Calif.
Filed May 14, 1938. Serial No. 406,332. PUBLISHED AUGUST 23, 1938. Class 46.

361,810. PHOTOGRAPHIC PRINTS. LINN CAMERA SHOP INC., Lansing, Mich.
Filed May 19, 1938. Serial No. 406,516. PUBLISHED AUGUST 23, 1938. Class 38.

361,811. PAINTS IN READY-MIXED, PASTE, AND DRY FORMS, AND VARNISHES. BRO-KADE WALL FINISH CO., Milwaukee, Wis.
Filed May 20, 1938. Serial No. 406,571. PUBLISHED AUGUST 23, 1938. Class 16.

361,812. PERIODICAL. AMERICAN PHOTOGRAPHIC PUBLISHING CO., Boston, Mass.
Filed May 21, 1938. Serial No. 406,573. PUBLISHED AUGUST 23, 1938. Class 38.

361,813. MAGAZINE PUBLISHED PERIODICALLY. CHARLES J. VER HALEN, doing business as Ver Halen Publications, Los Angeles, Calif.
Filed May 23, 1938. Serial No. 406,662. PUBLISHED AUGUST 16, 1938. Class 38.

361,814. WHEAT FLOUR. AMERICAN FLOUR CORPORATION, New York, N. Y.
Filed May 24, 1938. Serial No. 406,672. PUBLISHED AUGUST 23, 1938. Class 46.

361,815. DIRECTORY OF MANUFACTURERS, BUSINESSES, BUYERS, AND SELLERS, PUBLISHED PERIODICALLY AT VARYING INTERVALS. WHO AND WHEN COMPANY, Louisville, Ky.
Filed May 24, 1938. Serial No. 406,700. PUBLISHED AUGUST 16, 1938. Class 38.

361,816. FIRECRACKERS, FLASH BOMBS, TORPEDOES, AND FIREWORKS GENERALLY. OSCAR J. GIUSTI, doing business as Co-Operative Fire Works, Daly City, Calif.
Filed May 26, 1938. Serial No. 406,758. PUBLISHED AUGUST 16, 1938. Class 9.

361,817. PORTABLE ELEVATOR TABLES AND THE LIKE. THE HAMILTON TOOL COMPANY, Hamilton, Ohio.
Filed May 26, 1938. Serial No. 406,760. PUBLISHED AUGUST 23, 1938. Class 23.

361,818. SEED CORN. GEORGE D. KENYON, doing business as Delta Sales Co., Delta, Pa.
Filed May 26, 1938. Serial No. 406,762. PUBLISHED AUGUST 30, 1938. Class 1.

361,819. CANNED EVAPORATED MILK. MIDLAND COOPERATIVE DAIRY ASSOCIATION, Shawano, Wis., and New York, N. Y.
Filed May 26, 1938. Serial No. 406,764. PUBLISHED AUGUST 23, 1938. Class 46.

361,820. NEWSPAPER. MOBILE DAILY NEWSPAPERS, INC., Mobile, Ala.
Filed May 26, 1938. Serial No. 406,768. PUBLISHED AUGUST 23, 1938. Class 38.

361,821. NEWSPAPER MOBILE DAILY NEWSPAPERS, INC., Mobile, Ala.
Filed May 26, 1938. Serial No. 406,769. PUBLISHED AUGUST 23, 1938. Class 38.

361,822. GASOLINE AND LUBRICATING OILS. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del.
Filed May 26, 1938. Serial No. 406,784. PUBLISHED AUGUST 23, 1938. Class 15.

361,823. FLUID OPERATED MOTORS AND PARTS THEREOF, REPAIR PART ASSORTMENT KITS AND ADAPTORS. TRICO PRODUCTS CORPORATION, Buffalo, N. Y.
Filed May 26, 1938. Serial No. 406,787. PUBLISHED AUGUST 23, 1938. Class 23.

361,824. BED SPREADS, BLANKET COVERS, WINDOW CURTAINS, DRAPERIES, DRESSING TABLE SKIRTS, LINEN BANDS, PADDING, PADS, ETC. R. H. MACY & CO., INC., New York, N. Y.
Filed May 27, 1938. Serial No. 406,815. PUBLISHED AUGUST 23, 1938. Class 42.

361,825. COUNTERS AND DISPLAY FIXTURES FOR RETAIL STORES. TOLCO, INC., Toledo, Ohio.
Filed May 27, 1938. Serial No. 406,836. PUBLISHED AUGUST 23, 1938. Class 32.

361,826. MACHINE CONSISTING OF AN APPLIANCE WHICH PRODUCES COLOR PLATES USED ON LITHOGRAPH PRESSES BY MEANS OF PROJECTING AN IMAGE UPON THE SENSITIZED SURFACE OF THE PLATE USED IN ANY LITHOGRAPHIC PRESS. CARL E. MOORE, Cleveland, Ohio.
Filed May 26, 1938. Serial No. 406,896. PUBLISHED AUGUST 23, 1938. Class 26.

361,827. SUPPORTS FOR THE ARCHES AND OTHER PARTS OF THE FEET. ARROWSMITH MFG. CO. INC., New York, N. Y.
Filed June 1, 1938. Serial No. 406,954. PUBLISHED AUGUST 23, 1938. Class 44.

361,828. NEWS FEATURE PUBLISHED IN A PERIODICAL. WILLIAM CUTTINO ACHURCH, Charleston, S. C.
Filed June 3, 1938. Serial No. 407,046. PUBLISHED AUGUST 23, 1938. Class 38.

361,829. PERIODICAL PUBLICATIONS, PRINTED BOOKS, AND BULLETINS ISSUED AND SOLD AT IRREGULAR INTERVALS. DALE CARNEGIE INSTITUTE OF EFFECTIVE SPEAKING AND HUMAN RELATIONS, New York, N. Y.
Filed June 3, 1938. Serial No. 407,053. PUBLISHED AUGUST 23, 1938. Class 38.

361,830. SALAD OIL. THE KEYSTONE GROCERY DISTRIBUTING CO. OF PITTSBURGH, INC., Pittsburgh, Pa.
Filed June 3, 1938. Serial No. 407,065. PUBLISHED AUGUST 23, 1938. Class 46.

361,831. PAPER RECEPTACLES. MENASHA PRODUCTS COMPANY, Menasha, Wis.
Filed June 3, 1938. Serial No. 407,069. PUBLISHED AUGUST 16, 1938. Class 2.

361,832. DANCE FLOOR WAX. MADISON & SON, Great Falls, Mont.
Filed June 6, 1938. Serial No. 407,152. PUBLISHED AUGUST 23, 1938. Class 16.

361,833. SANDWICH FILLING CONTAINING HAM. O. K. FOODS, INC., La Grange, Ill.
Filed June 6, 1938. Serial No. 407,156. PUBLISHED AUGUST 23, 1938. Class 46.

361,834. GLASS CUTTERS. LANDON P. SMITH, INC., Irvington, N. J.
Filed June 6, 1938. Serial No. 407,161. PUBLISHED AUGUST 23, 1938. Class 23.

361,835. SAFETY RAZOR BLADES. THE MOLLÉ COMPANY, Bedford, Ohio.
Filed June 8, 1938. Serial No. 407,178. PUBLISHED AUGUST 23, 1938. Class 23.

361,836. MOTOR OIL. RAY T. PARFET, doing business as Cosmic-Ray Enterprises, Kalamazoo, Mich.
Filed June 8, 1938. Serial No. 407,243. PUBLISHED AUGUST 16, 1938. Class 15.

361,837. VARNISH. WEAST BROTHERS, Landis, N. C.
Filed June 8, 1938. Serial No. 407,252. PUBLISHED AUGUST 23, 1938. Class 16.

361,838. DECALCOMANIAS. KNICKERBOCKER DECALCOMANIA, INC., New York, N. Y.
Filed June 10, 1938. Serial No. 407,317. PUBLISHED AUGUST 16, 1938. Class 38.

361,839. HONEY. SIOUX HONEY ASSOCIATION, COOPERATIVE, doing business as Clovermaid Products Co., Sioux City, Iowa.
Filed June 11, 1938. Serial No. 407,389. PUBLISHED AUGUST 16, 1938. Class 46.

361,840. CANNED FRUITS, CANNED VEGETABLES, CANNED CITRUS JUICES FOR FOOD PURPOSES, PICKLES, WALNUTS, ETC. STANDARD DISTRIBUTORS, INC., doing business as Specify Food Company, Los Angeles, Calif.
Filed June 11, 1938. Serial No. 407,392. PUBLISHED AUGUST 23, 1938. Class 46.

361,841. BAND AND ORCHESTRA MUSICAL INSTRUMENTS—NAMELY, CORNETS, TRUMPETS, MELLOPHONES, FRENCH HORNS, ALTO HORNS, BARITONE HORNS, BASS HORNS, TROMBONES, FLUTES, CLARINETS, PICCOLOS, SAXOPHONES, OBOES, REEDS FOR MUSICAL INSTRUMENTS, AND FLEUGEL HORNS. THE J. L. HUDSON COMPANY, Detroit, Mich.
Filed June 13, 1938. Serial No. 407,434. PUBLISHED AUGUST 23, 1938. Class 36.

361,842. LADIES' HANDBAGS AND POCKETBOOKS. KADIN BROS. INCORPORATED, New York, N. Y.
Filed June 13, 1938. Serial No. 407,435. PUBLISHED AUGUST 23, 1938. Class 3.

361,843. NEWSPAPER. TRANSPORTATION NEWS PUBLISHING CO., INC., New York, N. Y.
Filed June 13, 1938. Serial No. 407,450. PUBLISHED AUGUST 16, 1938. Class 38.

361,844. SYNTHETIC, RESINOUS MATERIAL USED AS AN ADHESIVE IN BINDING PIGMENTS TO PAPER, CLOTH TO CLOTH, PAPER TO PAPER, METAL TO PAPER, LEATHER TO LEATHER, ETC. HERCULES POWDER COMPANY, Wilmington, Del.
Filed June 14, 1938. Serial No. 407,463. PUBLISHED AUGUST 23, 1938. Class 5.

361,845. ALUMINUM ALLOYS COMPOSED PRINCIPALLY OF ALUMINUM, AND INGOTS, CASTINGS, AND FORGINGS MADE THEREFROM. SECURITY ENGINEERING CO. INC., Whittier, Calif.
Filed June 14, 1938. Serial No. 407,471. PUBLISHED AUGUST 23, 1938. Class 14.

361,846. BRANDY. BOUCHARD AINÉ & FILS, Beaune, France.
Filed June 16, 1938. Serial No. 407,522. PUBLISHED AUGUST 23, 1938. Class 49.

361,847. FELT BASE RUGS AND FLOOR COVERING. CONGOLEUM-NAIRN INC., Kearny, N. J.
Filed June 16, 1938. Serial No. 407,538. PUBLISHED AUGUST 9, 1938. Class 20.

361,848. LUBRICATING OIL COMPOUND USED FOR GENERAL LUBRICATION PURPOSES AND PARTICULARLY FOR LUBRICATING THE DIFFERENTIAL, TRANSMISSION, ETC. HENRY C. GREENWALD, Madison, Wis.
Filed June 16, 1938. Serial No. 407,542. PUBLISHED AUGUST 16, 1938. Class 15.

361,849. MONTHLY PUBLICATION. WALTER F. HEER, doing business as The Hunter Trader Trapper Co., Columbus, Ohio.
Filed June 16, 1938. Serial No. 407,544. PUBLISHED AUGUST 16, 1938. Class 38.

361,850. TABLE NAPKINS, TOWELS, TABLE CLOTHS MADE OF COTTON, LINEN, RAYON, MIXTURES OF LINEN AND COTTON, COTTON AND RAYON, OR MIXTURES OF COTTON WITH OTHER FIBRES. BROWN & KRUGER, INC., New York, N. Y.
Filed June 18, 1938. Serial No. 407,619. PUBLISHED AUGUST 23, 1938. Class 42.

361,851. WEEKLY PUBLICATION. FLORISTS' PUBLISHING COMPANY, Chicago, Ill.
Filed June 18, 1938. Serial No. 407,632. PUBLISHED AUGUST 23, 1938. Class 38.

361,852. BINDER TWINE. MUNDIAL CORPORATION, Philadelphia, Pa.
Filed June 18, 1938. Serial No. 407,636. PUBLISHED AUGUST 16, 1938. Class 7.

361,853. BINDER TWINE. MUNDIAL CORPORATION, Philadelphia, Pa.
Filed June 18, 1938. Serial No. 407,637. PUBLISHED AUGUST 23, 1938. Class 7.

361,854. PIECE GOODS OF LINEN, COTTON, LINEN AND COTTON, COTTON AND WOOL, SILK AND RAYON. RYAN CONVERTING CORPORATION, New York, N. Y.
Filed June 18, 1938. Serial No. 407,642. PUBLISHED AUGUST 23, 1938. Class 42.

361,855. DRIED FERMENTED CARBOHYDRATE RESIDUE USED AS AN INGREDIENT OR SUPPLEMENT OF FOODS, PARTICULARLY FOR POULTRY AND LIVESTOCK. COMMERCIAL SOLVENTS CORPORATION, New York, N. Y.
Filed June 20, 1938. Serial No. 407,662. PUBLISHED AUGUST 23, 1938. Class 46.

361,856. CHEESE. RHEINGOLD CHEESE COMPANY, Chicago, Ill.
Filed June 20, 1938. Serial No. 407,688. PUBLISHED AUGUST 23, 1938. Class 46.

361,857. GLUE. SWIFT AND COMPANY, Chicago. Ill.
Filed June 20, 1938. Serial No. 407,696. PUBLISHED AUGUST 16, 1938. Class 5.

361,858. CANNED FRUITS, CANNED VEGETABLES, AND CANNED CITRUS JUICES FOR FOOD PURPOSES. ARLINGTON PACKING CORPORATION, Arlington, Calif.
Filed June 21, 1938. Serial No. 407,711. PUBLISHED AUGUST 23, 1938. Class 46.

361,859. STORAGE BATTERIES. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed June 22, 1938. Serial No. 407,750. PUBLISHED AUGUST 23, 1938. Class 21.

361,860. HAND WIELDED SHOVELS AND SPADES. THE UNION FORK & HOE COMPANY, Columbus, Ohio.
Filed June 22, 1938. Serial No. 407,775. PUBLISHED AUGUST 23, 1938. Class 23.

361,861. CANDIES. MARTHA WASHINOTON CANDIES COMPANY, Chicago, Ill.
Filed June 22, 1938. Serial No. 407,777. PUBLISHED AUGUST 23, 1938. Class 46.

361,862. TEXTILE FABRICS IN THE PIECE, OF WOOL, WORSTED, SILK, AND COMBINATIONS THEREOF. AMERICAN-LONDON SHRINKERS CORP., New York, N. Y.
Filed June 23, 1938. Serial No. 407,785. PUBLISHED AUGUST 23, 1938. Class 42.

361,863. RAYON, ACETATE, AND SILK FABRICS IN THE PIECE. MARTIN WEINER, doing business as Martin Weiner Co., New York, N. Y.
Filed June 24, 1938. Serial No. 407,840. PUBLISHED AUGUST 23, 1938. Class 42.

361,864. BUTTER. THE BORDEN COMPANY, New York, N. Y.
Filed June 24, 1938. Serial No. 407,847. PUBLISHED AUGUST 23, 1938. Class 46.

361,865. SOAP FLAKES, SOAP CHIPS, AND WASHING POWDERS. ERLO PRODUCTS, INC., Muncie, Ind.
Filed June 24, 1938. Serial No. 407,855. PUBLISHED AUGUST 23, 1938. Class 4.

361,866. COMBINED THERAPEUTIC TABLE AND CABINET. GELLMAN MANUFACTURING COMPANY, Rock Island, Ill.
Filed June 24, 1938. Serial No. 407,858. PUBLISHED AUGUST 23, 1938. Class 44.

361,867. FOLDING BOX GLUING MACHINERY AND MACHINERY TO FORM PAPER AND CARDBOARD CONTAINERS. THE INTERNATIONAL PAPER BOX MACHINE COMPANY, Nashua, N. H.
Filed June 24, 1938. Serial No. 407,861. PUBLISHED AUGUST 23, 1938. Class 23.

361,868. GOLF CLUBS AND PARTS THEREOF. THE MACGREGOR COMPANY, Dayton, Ohio.
Filed June 24, 1938. Serial No. 407,872. PUBLISHED AUGUST 23, 1938. Class 22.

361,869. GOLF CLUBS AND PARTS THEREOF, GOLF BALLS, GOLF BAGS, GOLF MARKERS, GOLF TEES, AND GOLF PRACTICE DEVICES. THE MACGREGOR COMPANY, Dayton, Ohio.
Filed June 24, 1938. Serial No. 407,873. PUBLISHED AUGUST 23, 1938. Class 22.

361,870. CASTINGS OF FERROUS METAL. BELLE CITY MALLEABLE IRON COMPANY, Racine, Wis.
Filed June 25, 1938. Serial No. 407,894. PUBLISHED AUGUST 23, 1938. Class 14.

361,871. CASTINGS OF FERROUS METAL. BELLE CITY MALLEABLE IRON COMPANY, Racine, Wis.
Filed June 25, 1938. Serial No. 407,896. PUBLISHED AUGUST 23, 1938. Class 14.

361,872. CARD AND BOARD GAME. OLIVER O. JENSEN, New York, N. Y.
Filed June 25, 1938. Serial No. 407,906. PUBLISHED AUGUST 23, 1938. Class 22.

361,873. NON-ALCOHOLIC, MALTLESS, CARBONATED BEVERAGES. ANTHONY ZICHICHI, doing business as Spume Beverage Co., Chicago, Ill.
Filed June 25, 1938. Serial No. 407,928. PUBLISHED AUGUST 23, 1938. Class 45.

361,874. MIXTURE OF POPCORN, PUFFED WHEAT, AND PUFFED RICE WITH A LIQUID CHEESE PREPARATION SPREAD THEREON. E. F. KEMP, INC., Somerville, Mass.
Filed June 27, 1938. Serial No. 407,949. PUBLISHED AUGUST 23, 1938. Class 46.

361,875. GOGGLES. BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y.
Filed June 28, 1938. Serial No. 407,973. PUBLISHED AUGUST 23, 1938. Class 26.

361,876. ELECTRIC ROASTERS. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa.
Filed June 29, 1938. Serial No. 408,034. PUBLISHED AUGUST 23, 1938. Class 21.

361,877. ELECTRIC ROASTERS. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa.
Filed June 29, 1938. Serial No. 408,035. PUBLISHED AUGUST 23, 1938. Class 21.

361,878. GAME OF CHANCE PLAYED WITH CONCEALED NUMBERS. HARVEY C. BARTHOLOMEW, Los Angeles, Calif.
Filed July 2, 1938. Serial No. 408,150. PUBLISHED AUGUST 23, 1938. Class 22.

361,879. FLOOR COVERING OF THE HARD-SURFACED, FLEXIBLE TYPE HAVING ON AN ASPHALT-SATURATED FELT BASE A PLASTIC COATING OF SUBSTANTIAL THICKNESS MADE FROM A COMPOSITION OF PITCH AND/OR ASPHALT, WOOD FLOUR, AND MINERAL MATTER. BIRD & SON, INC., East Walpole, Mass.
Filed July 2, 1938. Serial No. 408,151. PUBLISHED AUGUST 23, 1938. Class 20.

361,880. GLUE. I. F. LAUCKS, INC., Seattle, Wash.
Filed July 2, 1938. Serial No. 408,162. PUBLISHED AUGUST 23, 1938. Class 5.

361,881. PREPARATIONS TO STIMULATE THE GROWTH OF PLANTS AND THE GERMINATION OF SEEDS. AMERICAN CHEMICAL PAINT COMPANY, Ambler, Pa.
Filed July 5, 1938. Serial No. 408,181. PUBLISHED AUGUST 23, 1938. Class 10.

361,882. WHISKEY AND GIN. SUNRISE LIQUOR CORPORATION, Chicago, Ill.
Filed July 5, 1938. Serial No. 408,213. PUBLISHED AUGUST 23, 1938. Class 49.

361,883. WHISKEY. SUNRISE LIQUOR CORPORATION, Chicago, Ill.
Filed July 5, 1938. Serial No. 408,219. PUBLISHED AUGUST 23, 1938. Class 49.

361,884. TOY RUBBER BALLOONS. THE OAK RUBBER COMPANY, Ravenna, Ohio.
Filed July 7, 1938. Serial No. 408,285. PUBLISHED AUGUST 23, 1938. Class 22.

361,885. MITTENS ADAPTED TO AID MEN, WOMEN, AND CHILDREN IN LEARNING TO SWIM, SAID MITTENS HAVING A WEB PORTION BETWEEN THE THUMB AND BODY OF THE MITTEN TO INCREASE THE PROPULSION OF THE SWIMMING STROKE. FRED R. WILKIN, Cicero, Ill.
Filed July 11, 1938. Serial No. 408,407. PUBLISHED AUGUST 23, 1938. Class 22.

361,886. CLOSER FOR THE LIPS OF A CORPSE. ROY REGINALD DIVEL, San Clemente, Calif.
Filed July 12, 1938. Serial No. 408,421. PUBLISHED AUGUST 23, 1938. Class 44.

361,887. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. ROBERT ARNOLD REID, David City, Nebr.
Filed July 12, 1938. Serial No. 408,438. PUBLISHED AUGUST 23, 1938. Class 45.

361,888. WHISKEY. TAYLOR & WILLIAMS DISTILLERIES, INC., Louisville, Ky.
Filed July 12, 1938. Serial No. 408,440. PUBLISHED AUGUST 23, 1938. Class 49.

361,889. PERMANENT WAVING PADS. WILLIAM A. GILBERT, Milwaukee, Wis.
Filed July 14, 1938. Serial No. 408,498. PUBLISHED AUGUST 23, 1938. Class 44.

361,890. WHISKEY. H. E. CARNES & CO., INC., St. Paul, Minn.
Filed July 15, 1938. Serial No. 408,527. PUBLISHED AUGUST 23, 1938. Class 49.

361,891. METAL PISTON RINGS. THE PERFECT CIRCLE COMPANY, Hagerstown, Ind.
Filed July 15, 1938. Serial No. 408,545. PUBLISHED AUGUST 23, 1938. Class 35.

361,892. EXERCISERS. RUBBERCRAFT CORPORATION OF CALIFORNIA, LTD., Los Angeles, Calif.
Filed July 15, 1938. Serial No. 408,548. PUBLISHED AUGUST 23, 1938. Class 22.

361,893. PROJECTILE GAMES. LOUIS RUBIN, doing business as New York Toy & Game Manufacturing Co., New York, N. Y.
Filed July 15, 1938. Serial No. 408,549. PUBLISHED AUGUST 23, 1938. Class 22.

361,894. DENTAL CASTING PATTERNS. THE WILLIAMS GOLD REFINING COMPANY, INC., Buffalo, N. Y.
Filed July 15, 1938. Serial No. 408,557. PUBLISHED AUGUST 23, 1938. Class 44.

361,895. CARD FILING CABINETS. THE GENERAL FIREPROOFING CO., Youngstown, Ohio.
Filed July 16, 1938. Serial No. 408,570. PUBLISHED AUGUST 23, 1938. Class 32.

361,896. GIN AND WHISKEY. PETER HAUPTMANN TOBACCO COMPANY, also doing business as Peter Hauptmann Co., St. Louis, Mo.
Filed July 16, 1938. Serial No. 408,571. PUBLISHED AUGUST 23, 1938. Class 49.

361,897. ELECTRIC AND NON-ELECTRIC VAPORIZERS. JOSEPH ROBINSON, New York, N. Y.
Filed July 16, 1938. Serial No. 408,577. PUBLISHED AUGUST 23, 1938. Class 44.

361,898. BEARING ALLOYS, BABBITT METALS, AND WHITE-METAL ALLOYS, USED AS ANTI-FRICTIONAL MEDIA. JACKSON-WHEELER METALS SERVICE, INC., Brooklyn, N. Y.
Filed July 19, 1938. Serial No. 408,646. PUBLISHED AUGUST 23, 1938. Class 14.

361,899. RUBBER CHIN REDUCERS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed July 19, 1938. Serial No. 408,648. PUBLISHED AUGUST 23, 1938. Class 44.

361,900. DOLLS. MILDRED NORTHERN MILLER, doing business as Mildred Miller's Gift Shop, Lexington, Va.
Filed July 19, 1938. Serial No. 408,654. PUBLISHED AUGUST 23, 1938. Class 22.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

361,901. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CHARLES ABBATE CO., Chicago, Ill. Filed Dec. 11, 1935. Serial No. 372,500.

BERRIEN SPRINGS FRUIT GROWERS

For Fresh Apples.
Claims use since Sept. 1, 1935.

361,902. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) HARRY SIGEL, Dallas, Tex. Filed Mar. 6, 1936. Serial No. 375,673.

Parnell

For Straight and Blended Whiskies.
Claims use since 1904.

361,903. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) D. GHIRARDELLI CO., San Francisco, Calif. Filed Mar. 17, 1937. Serial No. 390,164.

NU-MALT

For Chocolate Powder Preparation for Making Food Beverages and Other Food Uses.
Claims use since Feb. 1, 1935.

361,904. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SEARS, ROEBUCK AND CO., Chicago, Ill. Filed June 7, 1937. Serial No. 393,785.

KLEEN-AIR

For Paint Spraying Units.
Claims use since July, 1932.

361,905. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) NORFOLK PAINT & VARNISH COMPANY, Quincy, Mass. Filed July 26, 1937. Serial No. 395,650.

STA-FAST

For Paints—Namely, Ready-Mixed Paints, and Ready-to-Mix Paints, Varnishes, and Lacquers.
Claims use since May 14, 1937.

361,906. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRECO CANNING COMPANY, INC., San Jose, Calif. Filed Aug. 14, 1937. Serial No. 396,401.

TAHOE

For Canned Vegetables.
Claims use since July 19, 1937.

361,907. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Aug. 19, 1937. Serial No. 396,582.

TWIN TOP

For Gas Ranges.
Claims use since July, 1936.

361,908. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) COLTON RAZOR BLADE COMPANY, Boston, Mass. Filed Sept. 2, 1937. Serial No. 397,022.

VERITHIN

For Safety Razor Blades.
Claims use since Aug. 30, 1937.

361,909. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) COLTON RAZOR BLADE COMPANY, Boston, Mass. Filed Sept. 29, 1937. Serial No. 397,927.

THE THYNNE BLADE

For Safety Razor Blades.
Claims use since Sept. 24, 1937.

361,910. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) POINT LOMA TUNA PACKERS, INC., San Diego, Calif., assignor to Fishermen's Tuna Packing Company, San Diego, Calif., a corporation of California. Filed Oct. 25, 1937. Serial No. 398,935.

OCEANSIDE

For Canned Fish—Namely, Canned Mackerel.
Claims use since September, 1935.

361,911. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) PEERLESS KID COMPANY, Camden, N. J. Filed Jan. 24, 1938. Serial No. 402,272.

TARTARKID

For Leather.
Claims use since Aug. 1, 1937.

361,912. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. J. LYNN, doing business as Lynn Citrus Groves, Pharr, Tex. Filed Feb. 23, 1938. Serial No. 403,318.

LYNNSWEET

For Fresh Citrus Fruits.
Claims use since December, 1935.

361,913. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MERCANTILE IMPORTING CORPORATION, New Bedford, Mass. Filed Apr. 7, 1938. Serial No. 404,974.

BACALHAU VIANA

For Hard-Cure Salted Codfish in Bulk in Cases of 100 Lbs. Each.
Claims use since July 1, 1932.

361,914. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) C. HARRISON SMITH, New York, N. Y. Filed May 14, 1938. Serial No. 406,352.

MUNRO TWEED

For Woolen Fabrics in the Piece.
Claims use since Apr. 27, 1937.

361,915. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) DONALD H. CASTLE, New York, N. Y. Filed May 19, 1938. Serial No. 406,501.

SEE-SHARP

For Focusing Devices for Photographic Enlargers.
Claims use since May, 1937.

361,916. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) H. H. FERGUSON, doing business as The National Polish Co., Van Wert, Ohio. Filed May 19, 1938. Serial No. 406,505.

KNU KOTE

For Polishing Compounds for Furniture, Automobiles, and Finished Surfaces, a Prepared Liquid Wax, and a Preparation for Removing Surface Defects from Furniture.
Claims use since June 1, 1910.

361,917. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE VILLAGE BLACKSMITH FOLKS, Watertown, Wis. Filed June 23, 1938. Serial No. 407,830.

CARVE-A-SLICE

For Hollow and Custom Ground Butcher Knives, Cooks' Knives, Household Knives, Paring Knives, and Slicers, All Being Made of Base Metal.
Claims use since Mar. 25, 1937.

361,918. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE VILLAGE BLACKSMITH FOLKS, Watertown, Wis. Filed June 23, 1938. Serial No. 407,831.

PARE-A-SLICE

For Hollow and Custom Ground Butcher Knives, Cooks' Knives, Household Knives, Paring Knives, and Slicers, All Being Made of Base Metal.
Claims use since Mar. 25, 1937.

361,919. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) KNAPP-MONARCH COMPANY, St. Louis, Mo. Filed June 27, 1938. Serial No. 407,950.

KNAPP

For Dry Shavers.
Claims use since Mar. 1, 1937.

361,920. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) EXECUTONE, INC., New York, N. Y. Filed July 20, 1938. Serial No. 408,696.

Twinphone

For Amplified-Voice Type of Inter-Communicating Equipment.
Claims use since May, 1937.

361,921. (CLASS 37. PAPER AND STATIONERY.) GOLDSMITH BROS., New York, N. Y. Filed Aug. 6, 1938. Serial No. 409,310.

RIGID Sure Grip

For Wire Clips for Stationery Purposes.
Claims use since Dec. 23, 1932.

361,922. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WAMSUTTA MILLS, New Bedford, Mass. Filed Sept. 8, 1938. Serial No. 410,377.

EQUI-TENSION

For Cotton Piece Goods, Pillow Cases, and Sheets.
Claims use since Oct. 1, 1934.

TRADE-MARK REGISTRATIONS RENEWED

121,930. INTERNAL-COMBUSTION ENGINES. Registered June 11, 1918. NELSON BROTHERS COMPANY, Saginaw, Mich., a corporation of Michigan. Renewed June 11, 1938.

122,790. ANTIFRICTION-BEARINGS. Registered September 17, 1918. THE FEDERAL BEARINGS CO. INC., Fairview, Poughkeepsie, N. Y. Renewed September 17, 1938, to The Federal Bearings Co., Inc., Poughkeepsie, N. Y., a corporation of New York.

122,895. WOOL-BATTING. Registered September 24, 1918. MARSHALL FIELD & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed September 24, 1938.

122,964. PURGATIVES. Registered October 1, 1918. GABA A. G., Basel, Switzerland, a corporation of Switzerland. Renewed October 1, 1938.

122,975. CANDY. Registered October 1, 1918. JACOBS CANDY COMPANY LIMITED. Renewed October 1, 1938, to Jacobs Candy Company, Inc., New Orleans, La., a corporation of Louisiana, assignee.

122,983. SUGAR-SYRUPS. Registered October 1, 1918. THE NULOMOLINE COMPANY, New York, N. Y., a corporation of New York. Renewed October 1, 1938.

123,103. A PREPARATION FOR THE PREVENTION AND TREATMENT OF PYORRHEA, FOR PROMOTION AND MAINTENANCE OF TOOTH, GUM, AND MOUTH HEALTH. Registered October 15, 1918. CHARLES S. COHEN. Renewed October 15, 1938, to National Dental Company, Newark, N. J., a corporation of New Jersey, assignee by mesne assignments.

123,202. PNEUMATIC RIVETING-HAMMERS. Registered October 22, 1918. CHICAGO PNEUMATIC TOOL COMPANY, Chicago, Ill. Renewed October 22, 1938, to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey.

123,406. LEATHER DRESSING, WATERPROOFING, AND POLISHING MATERIAL. Registered October 29, 1918. WHITTEMORE BRO'S CORP., Cambridge, Mass., a corporation of Massachusetts. Renewed October 29, 1938.

123,421. A NON-INTOXICATING MALT BEVERAGE TO BE SOLD AS A SOFT DRINK. Registered November 12, 1918. BIRK BROS. BREWING CO. Renewed November 12, 1938, to Birk Bros. Brewing Co., Chicago, Ill., a corporation of Illinois, by changes of name.

123,593. CERTAIN NAMED PLUMBING FIXTURES AND SUPPLIES. Registered November 19, 1918. HAINES, JONES & CADBURY CO. Renewed November 19, 1938, to Hajoca Corporation, Philadelphia, Pa., a corporation of Delaware, assignee.

124,071. SHOE AND HEEL DRESSING. Registered January 14, 1919. ANGELUS SHOE POLISH COMPANY. Renewed January 14, 1939, to Angelus Shoe Polish Company Incorporated, Los Angeles, Calif., a corporation of California, assignee.

124,121. SKEES, SKEE-BINDINGS, PUSH-STICKS, TOBOGGANS, AND SNOW-SHOES. Registered January 14, 1919. MARSHALL-WELLS COMPANY, Duluth, Minn., a corporation of New Jersey. Renewed January 14, 1939.

124,134. EMERY-BOARDS, NAIL-FILES, MANICURE-STICKS, MANICURE-BUFFERS. Registered January 14, 1919. NORTHAM WARREN CORPORATION, New York, N. Y., a corporation of New York. Renewed January 14, 1939.

124,351. ROLLER-BEARINGS. Registered February 4, 1919. THE TIMKEN ROLLER BEARING COMPANY, Canton, Ohio, a corporation of Ohio. Renewed February 4, 1939.

124,373. FACE-POWDERS AND COLD-CREAM. Registered February 11, 1919. COLGATE & CO., Jersey City, N. J., and New York, N. Y. Renewed February 11, 1939, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware, assignee.

124,385. BABY-CARRIAGES AND GO-CARTS. Registered February 11, 1919. HEYWOOD BROTHERS AND WAKEFIELD COMPANY. Renewed February 11, 1939, to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts, assignee.

124,440. CATTLE FOOD, PARTICULARLY FOR MILK-PRODUCING ANIMALS AND THEIR YOUNG. Registered February 18, 1919. J. J. BADENOCH CO., Chicago, Ill. Renewed February 18, 1939, to The Great Atlantic & Pacific Tea Company, New York, N. Y., a corporation of New Jersey, assignee.

124,491. CANVAS-STITCHED BELTING. Registered February 18, 1919. VICTOR BALATA & TEXTILE BELTING CO., Easton, Pa., a corporation of Pennsylvania. Renewed February 18, 1939.

124,606. ETHYL ALCOHOL. Registered February 25, 1919. U. S. INDUSTRIAL CHEMICAL CO. INCORPORATED, New York, N. Y., a corporation of Maryland. Renewed February 25, 1939.

124,691. FLAGS. Registered March 11, 1919. JOHN C. DETTRA & COMPANY, INC. Renewed March 11, 1939, to Dettra Flag Company, Inc., Oaks, Pa., a corporation of Pennsylvania, by change of name.

124,881. DRIED, FRESH, AND CANNED FRUITS AND VEGETABLES. Registered March 18, 1919. SAMUEL ROSENBLUM, Brooklyn, N. Y. Renewed March 18, 1939, to Samuel Rosenblum, New York, N. Y.

LABELS

REGISTERED NOVEMBER 1, 1938

52,008.—*Title:* BEECH-NUT CHOPPED FOODS. For Chopped Foods. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published August 23, 1938.

52,009.—*Title:* CENTURY DEW. For Bourbon Whiskey. CENTURY DISTILLING COMPANY, Peoria, Ill. Published September 28, 1938.

52,010.—*Title:* CENTURY DEW. For Rye Whiskey. CENTURY DISTILLING COMPANY, Peoria, Ill. Published September 28, 1938.

52,011.—*Title:* MISSION DEL ORO. For Olive Oil. T. E. EGGERS, San Francisco, Calif. Published July 6, 1938.

52,012.—*Title:* LITTLE ARISTOCRAT STITCHDOWNS. For Stitchdowns. ETTELBRICK SHOE COMPANY, Greenup, Ill. Published January 11, 1937.

52,013.—*Title:* FORT CLARK. For Spirit Whiskey. FORT CLARK CORPORATION, Peoria, Ill. Published October 1, 1938.

52,014.—*Title:* GERBER'S GREEN BEANS. For Canned Green Beans. FREMONT CANNING COMPANY, doing business as Gerber Products Company, Fremont, Mich. Published August 4, 1938.

52,015.—*Title:* DIXIE DELIGHT SELF-RISING BUCKWHEAT, WHEAT AND CORN PANCAKE FLOUR. For Self-Rising Buckwheat, Wheat, and Corn Pancake Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published September 26, 1938.

52,016.—*Title:* SCOTLAND YARD DETECTIVE KIT. For Detective Kits. THE A. C. GILBERT COMPANY, New Haven, Conn. Published July 26, 1938.

52,017.—*Title:* GULDEN'S PREPARED MUSTARD, LIGHT BLEND. For Prepared Mustard. CHARLES GULDEN, INC., New York, N. Y. Published September 12, 1938.

52,018.—*Title:* JITTER. For Chewing Gum. GUMAKERS OF AMERICA, INC., Clifton Heights, Pa. Published October 3, 1938.

52,019.—*Title:* CHUMMY. For Dog and Cat Food. THE LAKEWOOD FOOD PRODUCTS CO., Baltimore, Md. Published August 15, 1938.

52,020.—*Title:* MISSION LIME RICKEY. For Lime Rickey. MISSION DRY CORPORATION, Los Angeles, Calif. Published August 15, 1938.

52,021.—*Title:* MISSION ORANGEADE. For Orange Concentrate. MISSION DRY CORPORATION, Los Angeles, Calif. Published August 15, 1938.

52,022.—*Title:* MISSION GRAPEFRUITADE. For Grapefruit Concentrate. MISSION DRY CORPORATION, Los Angeles, Calif. Published August 15, 1938.

52,023.—*Title:* OUR FAMILY. For Unsweetened Evaporated Milk. NASH-FINCH COMPANY, Minneapolis, Minn. Published September 26, 1938.

52,024.—*Title:* THE LOGICAL SYSTEM—THE DISTRIBUTIONAL QUICK TRICK SYSTEM. For Contract Bridge Books. VICTOR WHITING PORTER, Boston, Mass. Published September 22, 1938.

52,025.—*Title:* AIR-VENT LETTUCE BAG. For Bags For Lettuce and Other Vegetables. ARNO REINHOLD, doing business as Reinhold Company, Cleveland, Ohio. Published September 17, 1938.

52,026.—*Title:* LITTLE MISS PRACTICAL'S HANDKERCHIEF APPLIQUÉ SET. For Handkerchief Appliqué Sets. LOUIS RUBIN, doing business as New York Toy and Game Mfg. Co., New York, N. Y. Published July 25, 1938.

52,027.—*Title:* LITTLE MISS PRACTICAL'S DOLL'S CARRIAGE COVER AND PILLOWCASE SET. For Doll's Carriage Cover and Pillowcase Sets. LOUIS RUBIN, doing business as New York Toy and Game Mfg. Co., New York, N. Y. Published July 25, 1938.

52,028.—*Title:* G-MEN DISGUISE KIT. For Disguise Kits. LOUIS RUBIN, doing business as New York Toy and Game Mfg. Co., New York, N. Y. Published July 25, 1938.

52,029.—*Title:* G-MEN DE LUXE TRAINING OUTFIT. For Toy Target Shooting Outfits. LOUIS RUBIN, doing business as New York Toy and Game Mfg. Co., New York, N. Y. Published July 25, 1938.

52,030.—*Title:* WALDORF TOWELS. For Paper Towels. SCOTT PAPER COMPANY, Chester, Pa. Published September 3, 1938.

52,031.—*Title:* SUPERCRAFT UNDERGARMENTS. For Undergarments. STRAUBER BROS., New York, N. Y. Published July 1, 1938.

52,032.—*Title:* WALCO WOOD BEAD CRAFT. For Outfits for Making Bead Bags, Belts, Bracelets, Clips, Costume Jewelry, Necklaces, Etc. WALCO BEAD CO., INC., doing business as Walco Bead Co., New York, N. Y. Published July 25, 1938.

52,033.—*Title:* WALCO BEAD JEWELRY AND MARIONETTES. For Outfits for Making Necklaces, Bracelets, Bead Dolls, Lamp Pulls, Shade Pulls, Bead Charms, Etc. WALCO BEAD CO., INC., doing business as Walco Bead Co., New York, N. Y. Published July 25, 1938.

52,034.—*Title:* SUNVIEW. For Emperor Grapes. MARKO ZANINOVICH, Earlimart and Delano, Calif. Published August 15, 1938.

PRINTS

REGISTERED NOVEMBER 1, 1938

17,102.—*Title:* ABERNATHY'S ARTEMIA SALINE COMPOUND. For Artemia Saline Compound for the Mechanical Production and Manufacture of Brine-Shrimp (Phyllopoda), Its Eggs and Food. ST. ELMO ABERNATHY, Berkeley, Calif. Published April 30, 1938.

17,103.—*Title:* TWIN SISTERS BLACK LIPSTICK. For Lipsticks. CLARK-MILLNER CO., Chicago, Ill. Published April 4, 1938.

17,104.—*Title:* MARCHANT THE MATH-MAGICIAN. For Calculating Machines. MARCHANT CALCULATING MACHINE COMPANY, Oakland, Calif. Published September 30, 1938.

17,105.—*Title:* RENTSCHLERIZE. For Meats. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Published September 12, 1938.

REISSUES

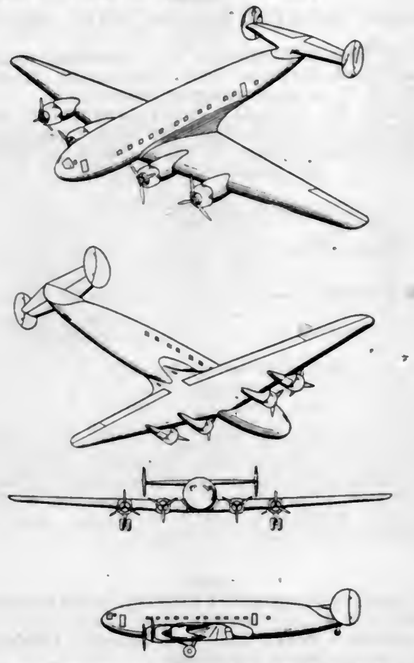
NOVEMBER 1, 1938

20,900

DESIGN FOR AN AIRPLANE

Berthoud C. Boulton, Towson, and James S. McDonnell, Jr., Baltimore, Md., assignors to The Glenn L. Martin Company, Baltimore, Md.

Original No. 107,891, dated January 11, 1938, Serial No. 68,792, April 15, 1937, for 14 years. Application for reissue August 26, 1938, Serial No. 79,587. Term of patent 14 years



The ornamental design for an airplane, substantially as shown and described.

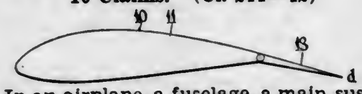
20,901

AIRCRAFT

Joseph M. Gwinn, Jr., Buffalo, N. Y.

Original No. 2,030,631, dated February 11, 1936, Serial No. 3,306, January 24, 1935. Application for reissue February 5, 1938, Serial No. 188,979

10 Claims. (Cl. 244—42)



1. In an airplane, a fuselage, a main sustaining wing including a main section having upper and lower surfaces and supported upon said fuelage, a trailing section having upper and lower surfaces, and means mounting said trailing section in contiguous relation with the trailing edge of said main section and for angular movement relative thereto for operation as an aileron and as a lift and drag varying flap, the respective extended contours of the upper and lower surfaces of said trailing section intersecting the respective extended contours of the upper and lower surfaces of said main section in the region of said contiguous relation, the included angles between the upper and lower surfaces of said main section and said trailing section respectively at the region of said contiguous relation being such that the sum of the external angles between said surfaces at said region of contiguous relation is substantially less than 360 degrees, the range of said aileron operation including a substantial range of angular movement throughout which neither of said external angles exceeds 180 degrees and a substantial range of angular movement throughout which the lower of said external angles exceeds 180 degrees, the range of said flap operation including a substantial range of angular movement throughout which neither of said external angles exceeds 180 degrees and a substantial range of angular movement throughout which the upper of said external angles exceeds 180 degrees.

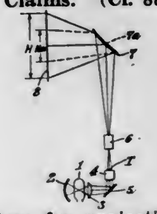
20,902

PROJECTION SYSTEM

David F. Newman, Rockville Centre, N. Y., assignor to Trans-Lux Corporation, a corporation of Delaware

Original No. 1,907,558, dated May 9, 1933, Serial No. 423,289, January 25, 1930. Application for reissue May 8, 1935, Serial No. 20,509

3 Claims. (Cl. 88—24)



1. In a system for projecting images from a web-like surface having characters printed thereon in line form, a vertical screen, a source of light, means for condensing light from said source into a light beam for passage to said screen, said web-like surface being movable transversely of the path of said light beam, an objective lens in said path for forming images of said characters on said screen, and means for increasing the height of said images without substantial increase in the width thereof, said means comprising a cylindrical mirror between said objective lens and said screen for reflecting said light beam substantially horizontally to said screen, said mirror presenting its convex surface to said light beam and having its elements disposed substantially parallel to said screen.

20,903

CLUTCH

Grover C. Royse, Vallejo, Calif.

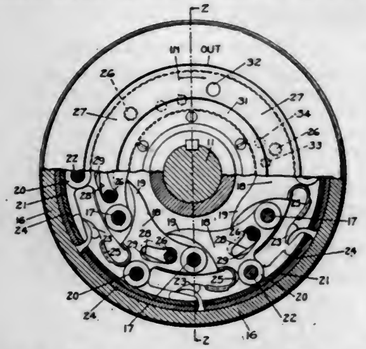
Original No. 2,107,308, dated February 8, 1938, Serial No. 96,926, August 20, 1936. Application for reissue July 9, 1938, Serial No. 218,431

8 Claims. (Cl. 192—105)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

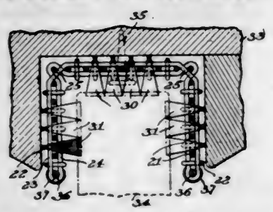
1. A centrifugal clutch comprising a rotatable driving spool carried by a shaft; a rotatable

driven drum surrounding said spool; a plurality of levers carried by said spool; and a plurality of friction shoes carried by said levers for move-



ment into driving engagement with said drum under centrifugal force produced by the rotation of said spool, said shoes being engageable with one another to cause them to move in unison.

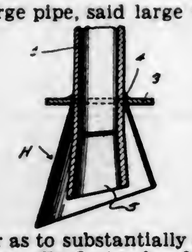
20,904
WINDOW CHANNEL
Charles P. Schlegel, Rochester, N. Y., assignor to The Schlegel Manufacturing Company, Rochester, N. Y., a corporation of New York
Original No. 2,012,354, dated August 27, 1935, Serial No. 660,402, March 11, 1933. Application for reissue August 25, 1936, Serial No. 97,832
23 Claims. (Cl. 296—44.5)



23. A window mounting and cushioning construction comprising a strip including woven textile material and having metallic wire means extending generally transversely with respect to the strip to stiffen it in a transverse direction, said strip having relatively long stiff pile on one side of said strip and projecting therefrom to contact with a window, and a readily bendable metallic element of relatively small cross section running longitudinally along said strip to stiffen the same and slidable longitudinally relatively to said strip so that said strip may be readily bent.

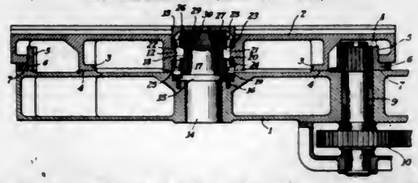
20,905
SANDER DEVICE
John B. Swan, Gladstone, Mich.
Original No. 2,110,247, dated March 8, 1938, Serial No. 154,263, July 17, 1937. Application for reissue June 30, 1938, Serial No. 218,306
2 Claims. (Cl. 291—46)

2. In combination with a discharge pipe of a sanding machine, a downwardly flaring hood having a substantially cylindrical small upper end fitting around a lower portion of the discharge pipe, a large washer fitting around the small end of the hood and extending at substantially right angles to the discharge pipe and means for connecting the washer and said small end of the hood to the discharge pipe, said large washer being of



such diameter as to substantially overlie and protect the downwardly flaring hood.

20,906
WORK TABLE FOR BORING MILLS AND THE LIKE
Alfred Trosch, Rochester, N. Y., assignor to Consolidated Machine Tool Corporation, Rochester, N. Y., a corporation of Delaware
Original No. 2,068,523, dated January 19, 1937, Serial No. 76,537, April 27, 1936. Application for reissue August 27, 1938, Serial No. 227,212
10 Claims. (Cl. 77—63)



1. In a machine tool or the like, a work table comprising a bed equipped with an upright projection, a table rotatably mounted on said bed and with a central aperture receiving said projection, and oppositely disposed conical bearings between said table and said projection, said bearings being substantially spaced apart and adapted to oppose both upward and downward vertical working thrusts, and also to oppose diagonal thrusts transmitted to said table.

20,907
METHOD OF MAKING FRICTION ELEMENTS
William A. Blume, Detroit, Mich., assignor to The American Brake Shoe and Foundry Company, a corporation of Delaware
No Drawing. Original No. 1,992,601, dated February 26, 1935, Serial No. 605,782, April 16, 1932, which is a division of Serial No. 506,752, January 5, 1931. Application for reissue September 6, 1938, Serial No. 228,623
7 Claims. (Cl. 18—47.5)

4. The herein described method of making friction elements which consists in preparing a base mixture including 65 pounds of asbestos and 25 pounds of finely divided pyrobituminous material, dissolving in 7½ pounds of oleum spirits 15 pounds of a bond of vegetable drying oil purely polymerized, that is, containing substantially no oxidized oil and not otherwise chemically changed and which is polymerized sufficiently to be sticky and gummy, mixing the base mixture with the dissolved bond, forming the resulting composition into shapes, heating the shapes at a temperature below the curing temperature of the bond to eliminate volatile matter, and then curing the shapes in the presence of air and without pressure at a curing temperature below that at which the destruction of the molecular constitution of the oil takes place and for a period of time sufficient to set the bond to a tough and flexible state and without inducing side reactions such as oxidation.

20,908
FRICTION ELEMENT
William A. Blume, Detroit, Mich., assignor to The American Brake Shoe and Foundry Company, a corporation of Delaware
No Drawing. Original No. 1,924,021, dated August 22, 1933, Serial No. 506,752, January 5, 1931. Application for reissue September 6, 1938, Serial No. 228,622
4 Claims. (Cl. 106—7.5)

1. A friction element the initial ingredients of which comprise a base including asbestos and finely divided natural pyrobituminous material, and a bonding material of vegetable drying oil purely polymerized, that is, containing substantially no oxidized oil and which is polymerized sufficiently to be sticky and gummy and yet soluble in oleum spirits and which in the finished element is a tough and flexible material containing substantially no oxidized oil.

PLANT PATENTS

GRANTED NOVEMBER 1, 1938

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

300
ROSE PLANT
Mathias Tantau, Utersen, Germany, assignor to The Conard-Pyle Company, West Grove, Pa.
Application January 26, 1938, Serial No. 187,078
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant characterized by its compactness of growth, the profuseness of the blossoms, the yellow color thereof not heretofore obtained in the particular size and type of flower, the star-like effect of the outer petals of the flower, and the long endurance of the same as a cut flower, substantially as shown and described.

301
ROSE
Eugene R. Dramm, Elmhurst, Ill., assignor to Dramm Greenhouse, Inc., Elmhurst, Ill., a corporation of Illinois
Application February 14, 1938, Serial No. 190,363
1 Claim. (Cl. 47—61)

The herein described rose, a sport of Hybrid Teas and distinguishable from others of the same class by its substantially uniform Geranium Pink color, leathery texture of petals, centrally pointed at the outer edge and curled back from the point and thus producing a somewhat angular petal outline, and further characterized by a rich, pleasing fragrance, uniformity of size and color, strong rigid stems, profusion of blooms, very double petalage, and clean healthy growth.

302
SNAPDRAGON
Chester Harper Lothrop, Lexington, Mass.
Application July 31, 1937, Serial No. 156,815
1 Claim. (Cl. 47—60)

A new variety of snapdragon substantially as herein shown and described, characterized particularly by its vigorous growth of large, strong spikes, beset with unusually large numbers of buds and blossoms, the latter being extremely double, large in size, very tenacious thus giving long-lasting quality, and having a distinctive Rose Pink to Deep Rose Pink color as applied to double snapdragons.

PATENTS

GRANTED NOVEMBER 1, 1938

2,134,679

PROCESS FOR TREATING BIOLOGIC MATERIAL

Simeon C. Allen, Newton, Mass., assignor to Health Research Foundation, Inc., Boston, Mass., a corporation of Massachusetts

No Drawing. Application October 17, 1935, Serial No. 45,521

4 Claims. (Cl. 167—58)

1. The process of treating living tissue, on or in which pathogenic biologic materials exist, comprising alternately oxidizing and reducing said materials with a permanganate and a reducing agent, to a sufficiently limited degree, so that only a part of the improvement desired is accomplished in any alternate oxidation and reduction, so that a negligible amount of damage is done to unaffected tissue, and repeating said alternate oxidation and reduction a sufficient number of times to accomplish the treatment desired.

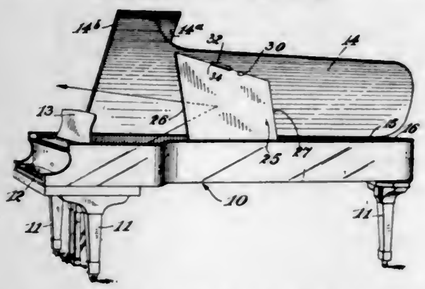
2,134,680

PIANO

Dunbar Beck, Hadlyme, Conn., assignor, by mesne assignments, to Steinway & Sons, New York, N. Y., a corporation of New York

Application January 13, 1938, Serial No. 184,875

4 Claims. (Cl. 84—189)



1. In a piano having a frame, a case for the same, and a keyboard, the frame, case and keyboard forming the body of the piano, and a cover for the body, the combination with said body and cover, of a deflecting member supported on said body and having its lower edge angularly disposed to the longitudinal center line of the frame, and when the cover is open in inclined position having its opposite side edge in contact with and in adjustable position with and angularly disposed in respect to the inner inclined surface of the cover of the piano, for deflecting the sounds produced to the keyboard portion of the piano.

2,134,681

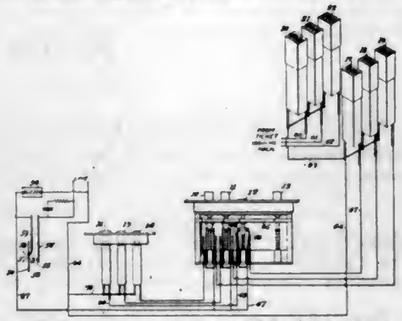
AUTOMATIC TICKET REGISTERING AND CHECKING MACHINE

Andrew Bolognino, New York, and Jacob Jackerson, Brooklyn, N. Y.

Application March 15, 1935, Serial No. 11,240

5 Claims. (Cl. 235—45)

1. In apparatus of the character disclosed, registers for tickets of different values, mechanism for canceling tickets of all values, switches for selecting the registers of different values, ticket controlled switch means associated with said canceling mechanism for effecting energization of ticket registers selected by said switches,



said switches being of the self-locking type and releasable one by the operation of another, whereby the machine will remain set for one ticket value until a switch is operated for tickets of another value.

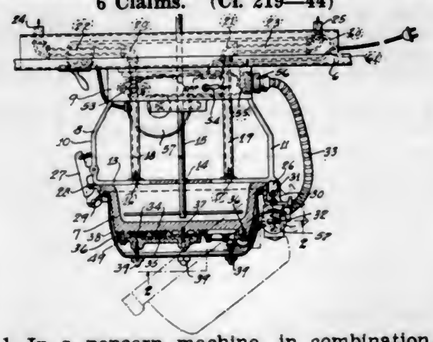
2,134,682

POPCORN MACHINE

Julian R. Burch, St. Louis, Mo.

Application July 25, 1936, Serial No. 92,529

6 Claims. (Cl. 219—44)



1. In a popcorn machine, in combination, a support, a kettle having a shoulder on its peripheral edge, means on the support for pivotally engaging the shoulder, a heating element mounted on the kettle, and diaphragm-operated control means for thermostatically controlling the temperature of the heating means, said control means being mounted rigidly on the shoulder and having a gas-filled tube mounted rigidly on the kettle.

2,134,683

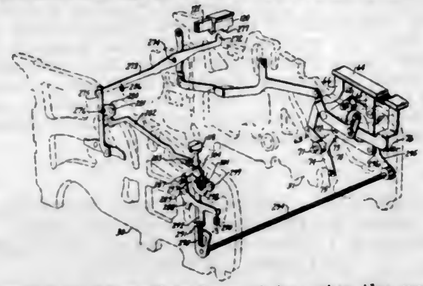
CALCULATING MACHINE

Raymond A. Christian, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Original application June 25, 1934, Serial No. 732,252. Divided and this application July 24, 1936, Serial No. 92,305

4 Claims. (Cl. 235—27)

2. In a machine of the class described, the combination of a manipulative member with a recess; a spring-urged element adapted to cooperate with the member and the recess; means normally holding the element away from the member to ease manipulation thereof; and means on the member effective upon manipulation thereof to disengage the holding means from the



element to allow the element to enter the notch, which movement of said element in turn disconnects the disengaging means from the holding means to allow the latter to engage the element immediately upon restoration thereof to normal position.

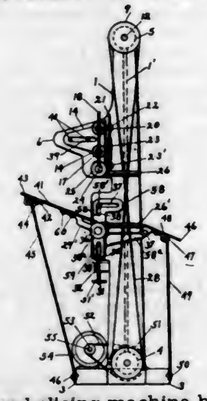
2,134,684

BREAD SLICING MACHINE

Harry J. Criner, Davenport, Iowa, assignor of one-half to A. G. Bush, Davenport, Iowa

Application March 1, 1937, Serial No. 128,390

12 Claims. (Cl. 146—88)



1. In a bread slicing machine having a plurality of slicing blades and means for supporting and driving them, the combination with upper and lower guide assemblies adapted to guide and space the slicing blades, of means for separately adjusting the position of said guide assemblies longitudinally of the blades and for simultaneously adjusting the spacing of the guides laterally in each assembly respectively.

2,134,685

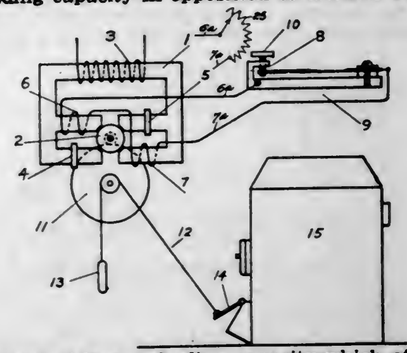
METHOD OF OPERATING SHADED POLE MOTORS

George W. Crise and Wilford P. Crise, Mount Vernon, Ohio, assignors, by direct and mesne assignments, to Crise Electric Manufacturing Company, Mount Vernon, Ohio, a corporation of Ohio

Application January 19, 1933, Serial No. 652,528

2 Claims. (Cl. 172—278)

1. The method of controlling the rotation of a single phase alternating current motor having a primary winding and shading coils of different shading capacity, which consists in operating the motor with a shading coil of lesser shading capacity in opposition to another shading coil of larger shading capacity which effects rotation of the motor, and directly varying the resistance in circuit with at least one of said shading coils to effect control of the motor speed.



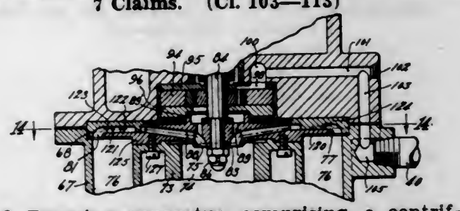
2,134,686

PUMPING APPARATUS

Warren H. De Lancey, West Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts

Application January 15, 1936, Serial No. 59,254

7 Claims. (Cl. 103—113)



6. Pumping apparatus, comprising, a centrifugal pump impeller having a member carrying on one face thereof a plurality of vanes and on the opposite face an axially directed annular collar, first and second casing sections one on each side of the impeller and secured together and forming between them a chamber to enclose the impeller, a drive shaft mounted in the first section and extending through said collar in spaced concentrical relation and being secured to said impeller, said first section having in its inner face a recess opening into said chamber, a displacement pump mounted in said recess and driven from said shaft, a die-cast plate inset into and covering the inner face of the first section and closing said recess except for a central opening through which said collar extends, said member having air passages through it close to the axis and inside said collar, the second section having inlet and outlet passages for said pump chamber and cooperating with said die-cast plate to form the pump chamber and a diffuser connecting the pump chamber to the outlet passage.

2,134,687

DRIVE AXLE CONSTRUCTION

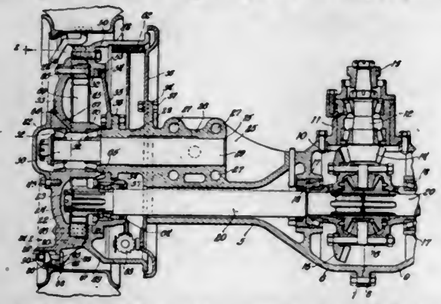
Elmer J. Dunham, Battle Creek, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan

Application September 13, 1937, Serial No. 163,572

12 Claims. (Cl. 180—75)

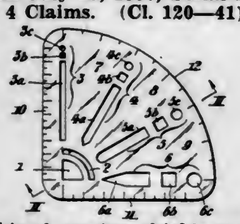
1. In combination, a housing having two parallel shaft openings, a dead axle spindle extend-

ing through one of said openings, a traction wheel rotatably mounted thereon and having an internal ring gear and a laterally and radially spaced brake drum, a back plate for said drum supported by said housing, a jack shaft extending freely through said other opening and having a pinion



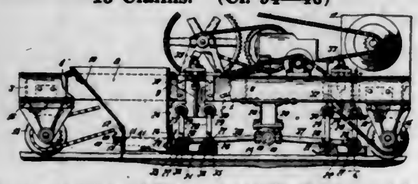
engaging said ring gear, means carried by said housing for rotatably supporting said jack shaft within the plane of said drum including means for sealing said gears and support from said drum, and brake means in said drum supported on said back plate.

2,134,688
ERASING SHIELD
Theodore Fletcher, Wilmington, Del., assignor to Richard D. Ward, Wilmington, Del.
Application July 15, 1937, Serial No. 153,703
4 Claims. (Cl. 120—41)



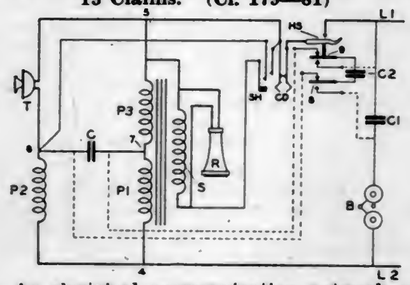
1. A combined erasing shield, angle and protractor fashioned to the configuration of a sector from relatively thin sheet material, with scale graduations along its straight and arcuate edges, and having erasure openings disposed along lines radial to the corner of the angle.

2,134,689
MACHINE FOR SPREADING AND FINISHING PLASTIC PAVEMENTS
Alfred W. French, Chicago, Ill.
Application May 8, 1935, Serial No. 20,426
15 Claims. (Cl. 94—46)



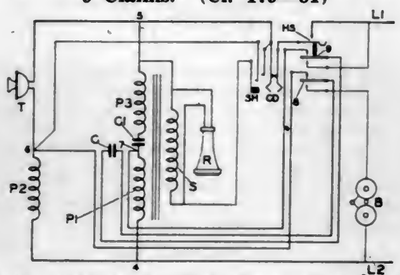
1. A machine of the type set forth comprising a vehicle equipped with a hopper for plastic material and having a delivery opening extending over the entire width of a pavement strip, an apron member below and bordering said opening at the front and arranged to limit spill of material in advance of said opening, a screed spanning the pavement strip and bordering said opening at the rear thereof and connected and cooperating with said apron member to provide a discharge spout for said hopper, means for vertically adjusting said screed for determining the level of material deposited on the strip, and mechanism for imparting to said screed and said apron member a high speed short-stroke substantially reciprocatory movement longitudinally of the strip for subjecting discharging material to violent mass movements immediately following flow from the hopper and prior to its deposit upon said strip and at the same time compacting and surfacing said deposited material immediately following its deposit upon the strip.

2,134,690
ELECTRICAL COMMUNICATION NETWORK
Harry R. Allensworth, Columbus, Ohio
Application October 9, 1936, Serial No. 104,857
15 Claims. (Cl. 179—81)



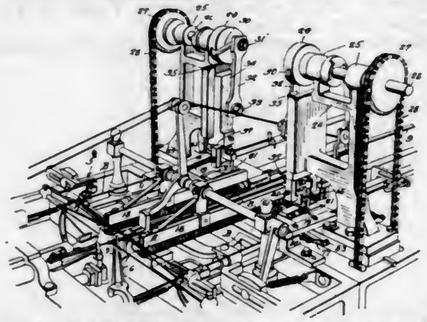
1. An electrical communication network comprising two parallel circuits, one of the two parallel circuits comprising a telephone transmitter in series with one winding of a transformer having four windings, one of the said parallel circuits comprising two of said windings in series, and a condenser bridging said circuits from a point between the transmitter and transformer winding in one of said parallel circuits to a point between the two transformer windings in the other of the said parallel circuits.

2,134,691
ELECTRIC COMMUNICATION NETWORK
Harry R. Allensworth, Columbus, Ohio
Application July 13, 1937, Serial No. 153,341
9 Claims. (Cl. 179—81)



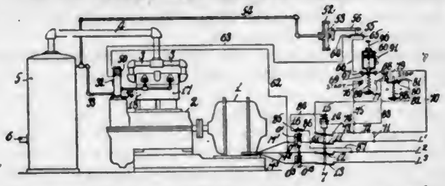
1. An electric communication network comprising two parallel circuits, one of the two parallel circuits comprising a telephone transmitter in series relation with one winding of a transformer having four windings, the other of the said parallel circuits comprising two of said windings and a condenser in series relation therewith and a condenser bridging said circuits from a point between the transmitter and transformer winding in one of said parallel circuits to a point between the two transformer windings in the other of the said parallel circuits.

2,134,692
MACHINE USED IN CONSTRUCTION TWINE HEDDLE
Isaac Andrews and Howard O. Coddington, Spartanburg, S. C., assignors to Andrews Company, Spartanburg, S. C.
Application September 27, 1935, Serial No. 42,502
7 Claims. (Cl. 28—3)



1. An apparatus for forming twine loom harness into individual twine heddles, including an anvil, means for feeding a metal strip to the anvil, worms adapted to feed the loom harness to the anvil, means for cutting a length of metal from the metal strip, and means for bending the length of metal cut from the strip, around the heddles at the ends of the heddles, forming eyes at the ends of the heddles, whereby the harness may be cut into individual twine heddles.

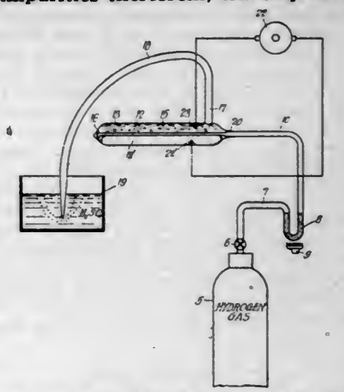
2,134,693
PUMPING MECHANISM
Jess M. Bartholomew, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application July 16, 1936, Serial No. 90,946
15 Claims. (Cl. 230—24)



1. In combination, a pump having unloading means, pressure responsive controlling means for said unloading means, a driving motor for said pump, motor controlling means including a member movable from one predetermined position to another to start said motor and out of the latter position while said motor continues to operate, and means operative in the second predetermined position of said member but not in the position occupied thereby during normal motor operation to render said pressure responsive controlling means ineffective to render said unloading means inactive.

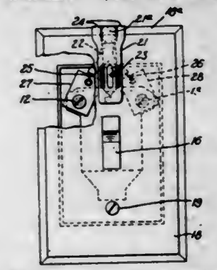
2,134,694
PREPARATION OF MERCURY FOR USE IN MERCURY SWITCHES
Paul S. Bear, Elkhart, Ind., assignor, by mesne assignments, to Bucklen-Bear Laboratories, Inc., Elkhart, Ind., a corporation of Indiana
Application March 9, 1936, Serial No. 67,816
Renewed January 24, 1938
13 Claims. (Cl. 75—81)

1. In the process of preparing mercury to remove impurities therefrom, the step of washing



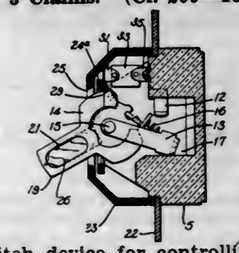
said mercury with triethanolamine in the presence of an electric arc.

2,134,695
ILLUMINATING ATTACHMENT FOR SWITCH DEVICES
Morris L. Bigman, Brooklyn, N. Y.
Application April 25, 1936, Serial No. 76,342
7 Claims. (Cl. 200—167)



1. The combination with a switch device employing a conventional cover plate, of an illuminating attachment detachably supported upon the outer surface of said plate and arranged within the peripheral boundaries thereof, said attachment comprising an apertured casing, said casing having clips for clamping the same to one edge portion of said plate and a neon lamp mounted in said casing and having wires projecting therefrom and in circuit with the circuit wires controlled by said switch device.

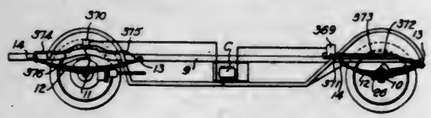
2,134,696
ILLUMINATED SWITCH
Morris L. Bigman, Brooklyn, N. Y.
Application April 25, 1936, Serial No. 76,343
3 Claims. (Cl. 200—167)



3. A switch device for controlling an electric circuit to open and close said circuit, said device

comprising an opaque body having a transverse pivot axis, said body having an integral part projecting radially therefrom, said part having an opening in one side wall thereof, means arranged within said part and exposed through said side opening for producing a light to identify the location of the switch device when arranged in a dark room or compartment, said means comprising a neon glow lamp with means extending through and arranged upon said body for placing said lamp in the electric circuit controlled by said switch device in the off or open circuit position, said last named means involving resistance elements on said device and in the circuit of said glow lamp, said body being divided centrally and longitudinally into two substantially similar parts with chambers therebetween facilitating attachment and detachment of the neon lamp and circuit wires extending therefrom.

2,134,697
LUBRICATION
Joseph Bijur, deceased, late of New York, N. Y., by George Bijur, New York, N. Y., executor, assignor to Auto Research Corporation, a corporation of Delaware
Original application December 2, 1922, Serial No. 604,464. Divided and this application December 26, 1933, Serial No. 703,940
13 Claims. (Cl. 184—7)



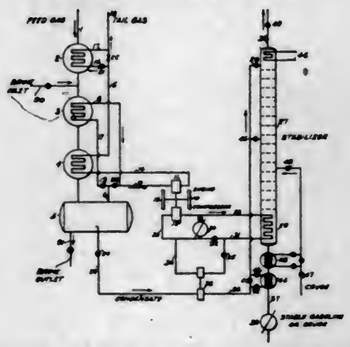
1. A centralized lubricating installation for supplying the spaced bearings of a mechanism to be lubricated, said installation comprising a piping system having a plurality of tubing lines, a central lubricant supply feeding lubricant to said system, a power source for causing propulsion of the lubricant from said supply under pressure through said lines and metering means for proportioning the lubricant among said tubing lines, said metering means being located adjacent said source and said supply, receiving lubricant from said supply and lubricant propulsive power from said power source and supplying said tubing lines and metering means being also located adjacent said bearings and receiving lubricant from said tubing lines, the metering means at the bearings supplying the bearings by gravity.

2,134,698
VENTILATING PIPE
Alfred W. Brenninger, Pelham, N. Y., assignor of one-half to James F. McConnochie, New York, N. Y.
Application May 3, 1935, Serial No. 19,646
9 Claims. (Cl. 131—227)



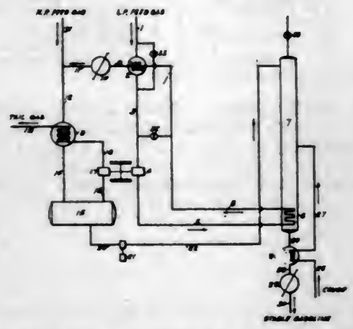
1. A smoking pipe having a shank provided with a longitudinal slot opening to the atmosphere and a smoke passage communicating therewith, the slot terminating inwardly of the ends of the shank and thus providing a ventilation opening located inwardly of both ends of the shank, a bit, and means connected to said bit for closing both sides of the slot.

2,134,699
SEPARATION OF HYDROCARBONS
Oswald C. Brewster, Litchfield, Conn., assignor to Refinery Engineers, Inc., New York, N. Y., a corporation of Missouri
Application September 29, 1936, Serial No. 103,121
20 Claims. (Cl. 62—175.5)



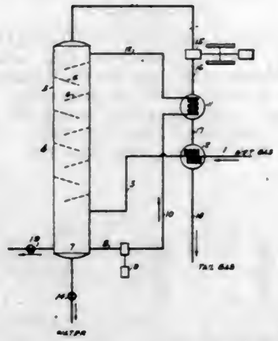
1. In the recovery of liquid hydrocarbons from a mixture of the vapors thereof with vapors of more volatile hydrocarbons, the steps comprising liquefying a portion of the mixed vapors, converting the pressure energy of an unliquefied portion of the vapors into heat, and absorbing the heat in the liquid formed in the liquefying step to stabilize the said liquid.

2,134,700
SEPARATION OF HYDROCARBONS
Oswald C. Brewster, Litchfield, Conn., assignor to Refinery Engineers, Inc., New York, N. Y., a corporation of Missouri
Application September 29, 1936, Serial No. 103,122
19 Claims. (Cl. 62—175.5)



1. In the recovery of liquid hydrocarbons from a mixture of the vapors thereof with vapors of more volatile hydrocarbons by expanding a portion of the vapors and utilizing the resulting reduction of temperature to cool the mixture and effect partial condensation thereof prior to said expansion, the steps comprising compressing the mixture by the energy derived from said expansion and passing the compressed mixture in heat exchange relation with the condensate prior to said expansion of the mixture to stabilize the said condensate.

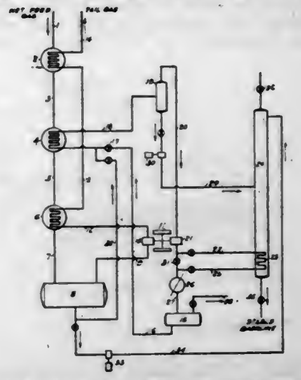
2,134,701
SEPARATION OF HYDROCARBONS
Oswald C. Brewster, Litchfield, Conn., assignor to Refinery Engineers, Inc., New York, N. Y., a corporation of Missouri
Application September 29, 1936, Serial No. 103,123
2 Claims. (Cl. 62—175.5)



1. The method of recovering liquefiable higher boiling components from hydrocarbon gas containing water vapor which comprises cooling incoming hydrocarbon gas containing water vapor under substantial pressure in indirect heat exchange relationship with cool dry hydrocarbon gas at a temperature substantially above 32 degrees Fahrenheit, passing said cooled incoming hydrocarbon gas in countercurrent direct contact relationship with a cyclic stream of cold hydrocarbon liquid to chill said cooled hydrocarbon gas to a temperature substantially below 32 degrees Fahrenheit and to warm said cyclic stream of cold hydrocarbon liquid to a temperature above 32 degrees Fahrenheit whereby the higher boiling liquefiable components and the water vapor of said hydrocarbon gas are substantially condensed and join said cyclic stream of hydrocarbon liquid, expanding the unliquefied dry gas portion of said chilled hydrocarbon gas to perform work and to lower the temperature of said dry gas, passing said warmed cyclic stream of hydrocarbon liquid and conjoined condensed water vapor to a separating zone, separately withdrawing said condensed water vapor, passing warmed water-free hydrocarbon liquid from said separating zone in indirect heat exchange relationship with said cold expanded dry gas to chill said hydrocarbon liquid substantially below 32 degrees Fahrenheit and to partially warm said expanded dry gas, returning said chilled hydrocarbon liquid to said first mentioned cyclic stream of cold hydrocarbon liquid, said partially warmed expanded dry gas being the dry gas in said first mentioned indirect heat relationship with incoming hydrocarbon gas, and withdrawing hydrocarbon liquid from said separating zone.

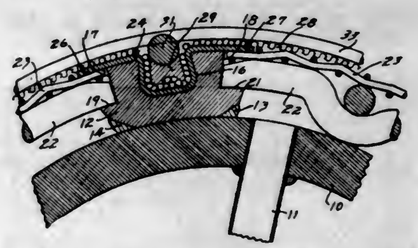
2,134,702
SEPARATION OF HYDROCARBONS
Oswald C. Brewster, Litchfield, Conn., assignor to Refinery Engineers Inc., New York, N. Y., a corporation of Missouri
Application September 29, 1936, Serial No. 103,124
20 Claims. (Cl. 62—175.5)

1. In the recovery of liquid hydrocarbons from a mixture of the vapors thereof with vapors of more volatile hydrocarbons the steps comprising compressing by the pressure energy of a portion of the mixture a volatile hydrocarbon refrigerant comprising hydrocarbons of the mixture, cooling the compressed refrigerant and then passing the refrigerant in heat exchange relation with



the mixture prior to utilization of the pressure energy thereof in the compression step.

2,134,703
FILTER DRUM CONSTRUCTION
Lonnie E. Cobb, Birmingham, Ala., assignor to Goslin-Birmingham Manufacturing Company, Inc., a corporation of Alabama
Application August 19, 1937, Serial No. 159,902
5 Claims. (Cl. 210—199)

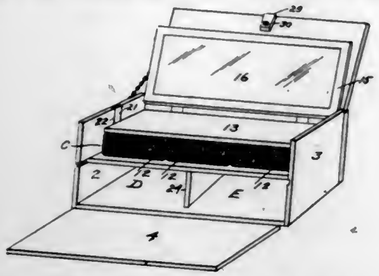


3. In a drum type continuous filter, means for dividing the outer surface of the drum into filter sections comprising a division strip extending longitudinally thereof and having a longitudinal undercut groove in its outer surface, a metal plate formed to fit in the groove, flanges on the plate overhanging the sides of the division strip, cloth supporting members on the drum and fitting alongside the division strip beneath the flanges, filter cloth over the supporting members, and calking in the longitudinal groove effective to hold the ends of the filter cloth and the plate in place.

2,134,704
FIELD PHOTOSTATING APPARATUS
Virgil H. Cornell, New York, N. Y.
Application November 5, 1936, Serial No. 109,335
5 Claims. (Cl. 95—73)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

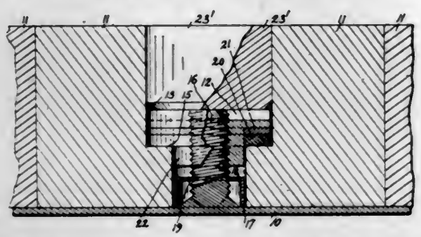
1. A field photostating kit comprising a casing including a rear wall, a cover hinged to the latter adjacent its upper edge and an exposure unit within the casing, said unit comprising a horizontally disposed platen including a sponge rubber mat adapted to yieldably support a subject and a sensitized element in reproducing relation, a glass paneled presser frame hingedly attached to the rear wall adjacent its upper edge, and adapted to overlie said mat, means in connection

with the rear wall and the hinged connection of said presser frame to permit said frame to be adjusted vertically with respect to the underlying mat, to imbed the subject in the mat whereby to utilize the resistance of the presser frame and



the resiliency of the rubber to establish an intimate contact between the subject and the sensitized element during the exposure period, and means in connection with the presser frame and casing for securing the frame in adjusted position.

2,134,705
MEANS FOR SECURING SHEATHING TO METAL
John D. Crecca, United States Navy
Application November 8, 1937, Serial No. 173,442
1 Claim. (Cl. 114—84)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



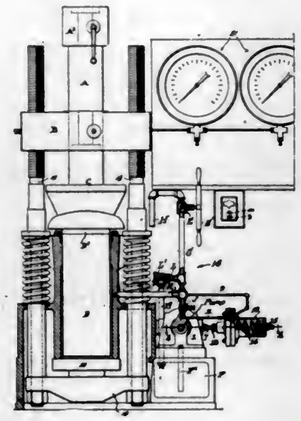
In combination, a metal surface, a sheathing liable to be impaired by high temperatures, said sheathing having an opening therethrough and means for securing said sheathing to said metal surface comprising a threaded male member end-welded to said surface through said opening, an apertured, flanged fire-resistant ferrule inclosing said welded end and insulating said sheathing from the heat of said welding and protecting the threads of said threaded member from weld spatters above the welded portion, a threaded member screwed to said male member and having an externally projecting flange at its outer end contacting the sheathing.

2,134,706
PROCESS OF FLOTATION AND AGENT THEREFOR
Ira H. Derby and Orin D. Cunningham, Indianapolis, Ind., assignors to Peter C. Reilly, Indianapolis, Ind.
No Drawing. Application February 24, 1931, Serial No. 518,019
22 Claims. (Cl. 209—166)

1. The process of concentrating ores by froth flotation which comprises subjecting the ore in the form of a pulp to a flotation operation in the presence of a reaction product of an alcoholic solution of an amino compound and phosphorus pentasulfid.

19. An agent for use in froth flotation of metalliferous materials comprising an aromatic amine salt of an organic thiophosphoric acid.

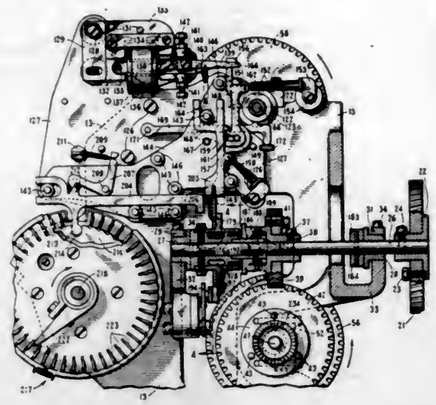
2,134,707
HYDRAULIC TRANSMISSION
Richard W. Dinzl, Narberth, Pa., assignor, by mesne assignments, to Baldwin-Southwark Corporation, a corporation of Delaware
Application June 12, 1930, Serial No. 460,626
Renewed June 26, 1935
13 Claims. (Cl. 60—52)



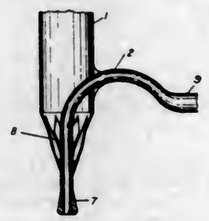
1. The combination with the cylinder of hydraulic apparatus, a ram movable therein, a variable discharge rotary piston pump of the Hele-Shaw type having stroke-adjusting means including a floating element controlling the relative position of the pistons of said pump, and a line providing fluid communication between said pump and cylinder through which pressure may be delivered to effect movement of the ram, of a casing operatively connected to the pump mechanism, a spring-loaded diaphragm disposed in said casing and having its opposite sides in communication with pressure delivered by said pump, means operatively disposed between said diaphragm and the floating element for moving the latter in one direction by the action of said diaphragm, means tending to move the floating element against the action of said diaphragm, and a valve in the delivery line of the pump for controlling the pressure delivered to one side of said diaphragm.

2,134,708
ELECTRIC SELECTOR MECHANISM
Robert F. Dirkes, Jamaica, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application October 30, 1936, Serial No. 108,492
35 Claims. (Cl. 178—34)

1. In a telegraph receiver, a set of selectors having an unselected and a selected position, a set of associated selector latches holding said selectors in their unselected position, each latch having a plurality of varieties of motion, means for determining the variety of motion through which each latch moves, means whereby said latches in one variety of motion unlatch associated selectors and means for actuating each of said unlatched selectors to its selected position.



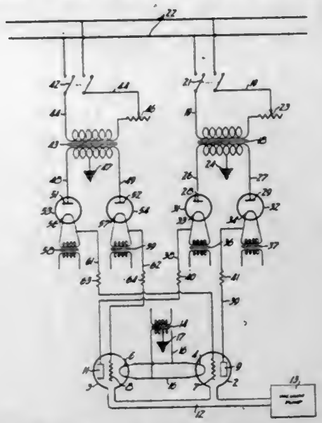
2,134,709
NONDRIP NOZZLE
Frank L. Drew, Aberdeen, Md.
Application October 22, 1937, Serial No. 170,401
5 Claims. (Cl. 221—84)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A non-drip nozzle comprising a liquid discharge pipe, a smaller pipe within said discharge pipe and connected to a source of vacuum, said discharge pipe converging inwardly into contact with and being stationary with respect to said vacuum pipe, said discharge pipe having a plurality of openings the side walls of which slope downwardly and inwardly toward the vacuum pipe, whereby discharged liquid flows over the exterior of the vacuum pipe and all drops collect on the end of the vacuum pipe and are drawn back by the air suction.

2,134,710
METHOD AND APPARATUS FOR EXHAUSTING TUBES
William W. Eitel and Jack A. McCullough, San Bruno, Calif.
Application June 1, 1936, Serial No. 82,794
13 Claims. (Cl. 250—27.5)

13. The method of electronically bombarding elements in a tube, which comprises providing a source of electrons, impressing pulses of positive potential on an element to effect bombardment thereof with electrons from said source to heat said element to a point where it emits electrons, and impressing pulses of positive potential on a second element during periods when no potential is applied to the first element to bombard the second element with electrons emitted by the first element.



2,134,711
PRODUCTION OF NUCLEAR ALKYL DERIVATIVES OF PHENOLS
Lawrence H. Flett, Hamburg, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application September 25, 1935, Serial No. 42,158
10 Claims. (Cl. 260—512)

1. A method of producing a nuclear alkyl derivative of a sulfonated phenol, which comprises condensing a member of the group consisting of phenol and its monomethyl derivatives with an alkyl halide containing at least 12 carbon atoms with the aid of a condensing agent, and sulfonating the resulting product.

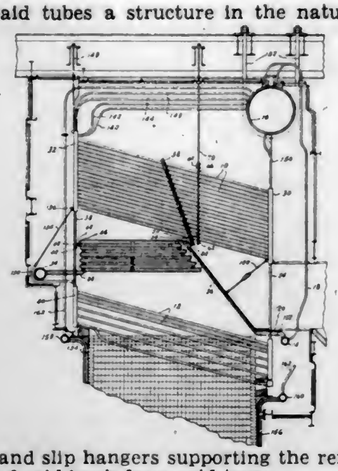
2,134,712
PRODUCTION OF ALKYL PHENOL SULPHONATES
Lawrence H. Flett, Hamburg, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application September 25, 1935, Serial No. 42,159
15 Claims. (Cl. 260—512)

1. A method of producing a nuclear alkyl derivative of a sulphonated phenol, which comprises condensing a member of the group consisting of phenol and its monomethyl derivatives with an olefine hydrocarbon containing at least 12 carbon atoms with the aid of a metal halide condensing agent, and sulphonating the resulting product.

2,134,713
FLUID HEAT EXCHANGE APPARATUS
Frank X. Gilg, Elizabeth, N. J., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application February 19, 1935, Serial No. 7,164
11 Claims. (Cl. 122—478)

1. In a water tube steam boiler, a bank of tubes of a superheater having series connected multiple loops, means constituting top supports for the superheater at its ends, metallic intertube connectors rigid with successive tubes of the low temperature section of said bank and forming

with said tubes a structure in the nature of a

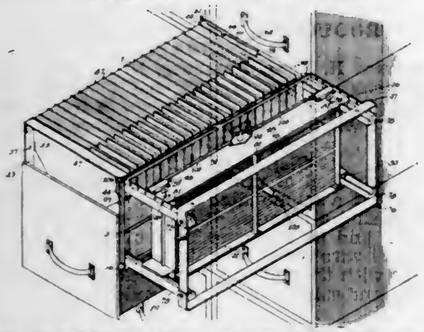


truss, and slip hangers supporting the remaining tubes of said bank from said truss.

2,134,714
SACCHARINE-ASPIRIN TABLET
Jacob A. Glassman, Chicago, Ill.
No Drawing. Application November 25, 1936, Serial No. 112,828
2 Claims. (Cl. 167—65)

2. A composition of matter consisting essentially of acetyl salicylic acid in therapeutic quantity and saccharine in quantity greatly less than that of the acetyl salicylic acid yet sufficient to mask the taste and to increase the rate of absorption of the acetyl salicylic acid.

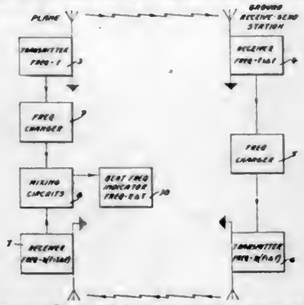
2,134,715
SELECTIVE FILING AND FINDING SYSTEM
Robert O. Griffin, Berkeley, Calif.
Application October 9, 1935, Serial No. 44,285
20 Claims. (Cl. 129—16.1)



13. In a filing system, a base, a file supporting frame adapted to be manually lifted with respect to the base, means connecting the frame with the base for holding the frame in a raised position, and means for freeing said means when the frame is lifted still higher, whereby the frame can again be lowered down upon the base.

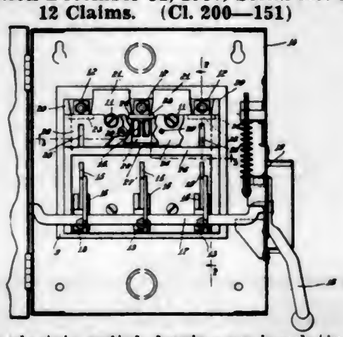
16. A file selector comprising a frame, a carriage movably carried by the frame, selector strips slidably carried by the carriage and being movable from inoperative into operative position, a file remover carried by the carriage, and means for moving the file remover from inoperative into operative position to engage with files.

2,134,716
MEASURING SPEED AND DISTANCE BY RADIANT ENERGY
Ross Gunn, Washington, D. C.
Application October 20, 1936, Serial No. 106,539
10 Claims. (Cl. 250—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



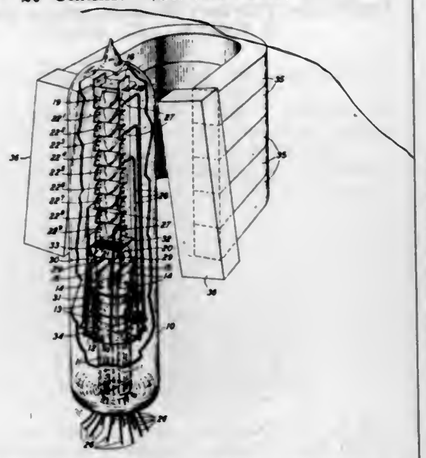
1. The method of determining the rate of relative movement along a line between a continuously moving body and an objective point, which comprises the steps of radiating from said moving body a wave train of known frequency and simultaneously changing in predetermined ratio the frequency of a portion of the energy from the source of said train, receiving said radiated train at said point, amplifying the received train and changing the frequency thereof in the same ratio as aforesaid, radiating from said point the said train with changed frequency, receiving at said moving body the train of changed frequency from said point, as modified by the Doppler effect, mixing said received modified train and said portion of energy of changed frequency and applying the resultant train to give an indication of the difference between the frequency of the modified train and that of the said portion of energy.

2,134,717
ELECTRIC SWITCH
Herman John Hammerly, New Britain, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application December 31, 1937, Serial No. 182,672
12 Claims. (Cl. 200—151)



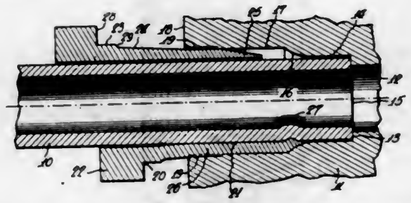
1. An electric switch having an insulating base with upstanding walls and longitudinal recesses containing terminals and switch contacts between the walls, hinged switch blades adapted to coact with the contacts and a slotted insulating guard of L-shaped cross section having one flange extending along the tops of the walls over the switch contacts and the other flange extending toward the base and having its slots in line with the switch blades.

2,134,718
ELECTRON DISCHARGE APPARATUS
William A. Knoop, Hempstead, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 20, 1936, Serial No. 111,796
20 Claims. (Cl. 250—27.5)



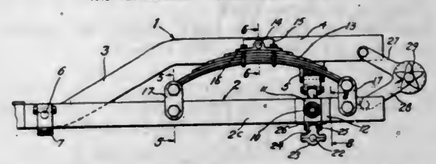
1. Electron discharge apparatus comprising a primary cathode, a collector electrode, and a plurality of superposed secondary cathodes arranged successively between said primary cathode and said collector electrode, said secondary cathodes having substantially coaxial, laterally divergent V-shaped electron emitting portions.

2,134,719
COUPLING CONNECTION
Edward H. Kocher, Boonton, N. J., assignor to Auto Research Corporation, a corporation of Delaware
Application May 26, 1934, Serial No. 727,720
7 Claims. (Cl. 285—182)



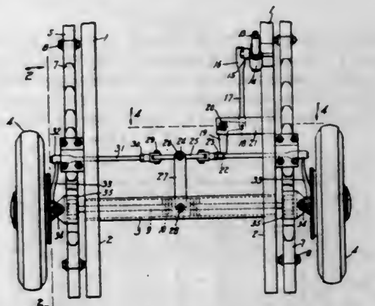
1. In a central fluid distributing installation of the type including small bore deformable tubing, said installation including non-threaded fluid-tight compression coupling combinations for said tubing, said combinations each comprising a mounting structure provided with a converging socket, a tubing terminal inserted thereinto, an unsplit continuous annular longitudinal frusto-conical wedging member inserted in said socket and integrally provided with a central passageway, an enlarged head and a depending tapered deformable skirt to be wedged between the tubing and said socket in a fluid-tight manner and means cooperating with said member and said socket to assure that there will be no relative rotary movements between said socket and said member upon and after formation of the coupling, the inner end of said member being deformed inwardly by said socket to grip and deform said tubing.

2,134,720
SPRING ASSEMBLY
Herman Kraekemier, Bridgeport, Conn.
Application May 23, 1935, Serial No. 23,016
22 Claims. (Cl. 267—19)



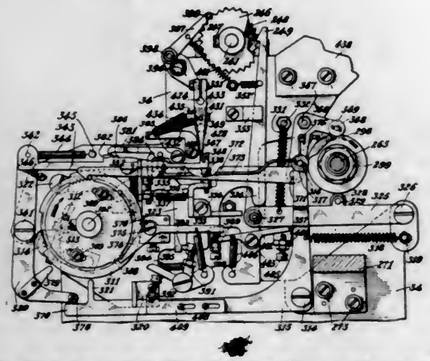
1. In combination, a vehicle frame having rigidly connected side members, a plurality of arms pivoted on said side members for independent up and down movement, longitudinally extending independent spring connections to said frame extending longitudinally of said arms, for enabling such movement, stub axle carrying members operatively connected to said arms to permit up and down movement of said axle carrying members as said arms move about their pivots, and mechanism for controlling the movement of said axle carrying members and said arms including transverse members pivotally connected at adjacent ends to said frame and connections between the opposite ends of said transverse members and said stub axle carrying members including means rigidly connected to the opposite ends of said transverse members and pivotally connected to said stub axle carrying members to control the up and down movement of the latter.

2,134,721
STEERING MECHANISM
Herman Kraekemier, Bridgeport, Conn.
Application April 2, 1936, Serial No. 72,368
11 Claims. (Cl. 280—95)



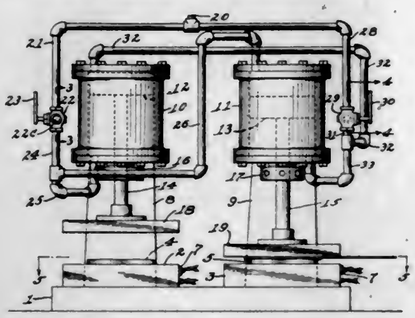
1. In a vehicle, the combination of a vehicle frame having side members and a transverse member interconnecting the same, arms at the sides of the frame, wheels having stub axles carried by said arms and having rearwardly directed steering arms, pivot means for pivoting said first mentioned arms to the side members of the frame, additional means for connecting the outer ends of said arms to the transverse member so that said first mentioned arms swing lengthwise of the vehicle, springs interposed between the wheel carrying arms and the side members of the vehicle frame, a tie-rod structure having articulated parts mounted on said transverse member and extending through said first mentioned arms in certain positions thereof and connected to said steering arms and operative in all positions of said first mentioned arms, and mechanism for imparting movement to said tie-rod structure.

2,134,722
TELEGRAPH PRINTER
James W. Long and Evan R. Wheeler, Plainfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application July 31, 1935, Serial No. 34,080
67 Claims. (Cl. 178—28)



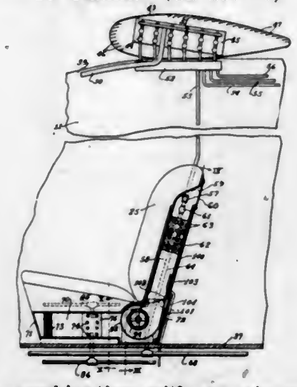
1. In a page printing telegraph recorder, a selecting mechanism, a page supporting mechanism, a typewheel having a single row of characters thereon, a typewheel positioning mechanism having an independently and selectively operable positioning element individual to each character of said typewheel, means whereby said typewheel positioning mechanism is controlled by said selecting mechanism to position said typewheel in a continuous movement to place a selected character in printing position and means for moving said typewheel in a latter space direction.

2,134,723
PRESS FOR ATTACHING RUBBER TRIM
James P. Marshall, Coventry, R. I., assignor, by mesne assignments, to Goodyear Footwear Corporation, a corporation of Delaware
Application March 11, 1936, Serial No. 68,190
2 Claims. (Cl. 12—52)



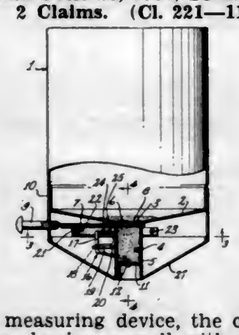
1. A press for attaching rubber trim to a shoe upper comprising, in combination, a pair of dies of configuration conforming to the trim to be attached; means for heating each die to a predetermined temperature; pressure plates arranged to be moved toward and from said dies; pressure actuated means for moving each of said plates; and means controlling the application of pressure upon the last said means to the end that as one plate moves toward its die, the other plate is withdrawn therefrom.

2,134,724
HEATING AND COOLING SYSTEM FOR VEHICLES
Luther C. McClanahan and Frederick G. Riedel, Buffalo, N. Y., assignors to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application February 29, 1936, Serial No. 66,344
16 Claims. (Cl. 257—7)



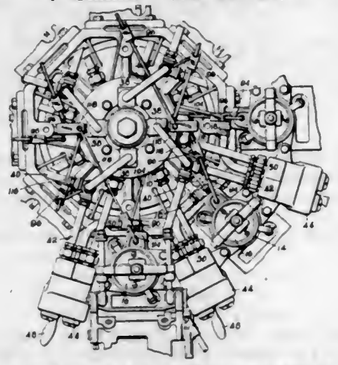
12. In combination with an air-conditioning system for vehicles, a passenger seat having a horizontal duct thereunder with openings at the front and rear of the seat and a communicating upturned duct along the back thereof, said upturned duct having a discharge opening at the top thereof, a blower for propelling air through said horizontal passageway, and a damper for directing propelled air out of the rear opening of the horizontal passageway or into the upturned passageway.

2,134,725
MEASURING DEVICE
Gerald B. Meanley, Miramar, Calif.
Application June 25, 1937, Serial No. 150,373
2 Claims. (Cl. 221—112)



1. In a measuring device, the combination of a container having a wall with an opening, a spout extending beyond said opening and having a measuring chamber therein, a gate mounted to slide transversely to said spout adjacent said opening, means for supporting said spout on said wall adjacent the side edges of said gate, said gate having an opening therethrough substantially aligning with the opening in the position of rest of the gate to permit the measuring chamber to fill with material from the container, a rotary closure in the lower portion of the measuring chamber mounted to rotate on an axis extending transversely to the axis of said spout, said rotary closure having a crank at each side of the spout, said gate having a moving part moving therewith, a rocker supported on the side of the spout having forks connected respectively with the cranks for rotating the rotary closure, said rocker having an actuating arm projecting in the path of the said moving part and engaged by said moving part near the end of the closing movement of the gate and operating to open the rotary closure after the gate has closed.

2,134,726
MACHINE FOR APPLYING PRESSURE TO SHOE BOTTOMS
Vernon H. Meyer, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application May 21, 1937, Serial No. 144,005
7 Claims. (Cl. 12—37)



1. In a machine for applying pressure to shoe bottoms, the combination with a plurality of cylinders and pistons operated in turn by liquid under pressure to apply pressure to shoe bottoms, of a drain tube for each cylinder, an auxiliary pressure supply pipe to each cylinder, means operated by the pressure in each cylinder to close the drain tube and open the auxiliary pipe, and means operating when the pressure in the cylinder is relieved for opening the drain tube and closing the auxiliary pipe.

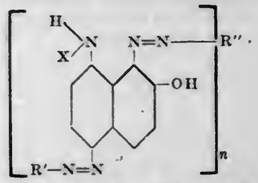
2,134,727
KNITTING MACHINE
Max C. Miller, Cumberland, R. I., assignor to Knitting Machines Corporation, a corporation of Delaware
Application March 25, 1937, Serial No. 133,025
12 Claims. (Cl. 66—96)



1. A loop transfer element adapted for use with a knitting needle comprising a shank and a bifurcated hook having two parallel hook-shaped cheek members extending reversely of the shank arranged for a position of the shank portion substantially parallel to and at the front side of the needle shank to extend to either side of the needle, said cheeks having inwardly bent tips arranged to extend beyond and to the backs of the needle shanks to engage with and receive a needle wale loop from the needle shank, and relatively protruding outer edges adapted to engage with and guide the needle shank laterally between the cheeks.

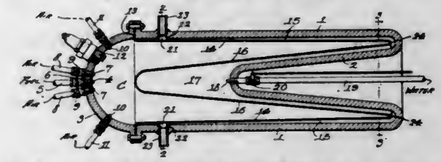
2,134,728
AZO DYESTUFFS
Heinrich Morschel, Cologne-Deutz, and Otto Goll, Leverkusen I. G.-Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application July 28, 1936, Serial No. 93,117. In Germany August 16, 1935
6 Claims. (Cl. 8—46)

1. Water insoluble azodyestuffs of the general formula:



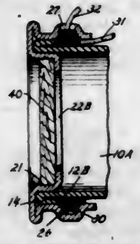
wherein X stands for a member selected from the group consisting of hydrogen, alkyl and aryl, R' and R'' stand for different radicals of diazotization components free from solubilizing groups, and *n* stands for one of the numbers 1 and 2, yielding when produced on the vegetable fiber in general brown to dark shades.

2,134,729
ENERGY CONVERTER
Henry Harrison Nicholson, Boulder, Colo.
Application November 13, 1935, Serial No. 49,627
3 Claims. (Cl. 60—46)



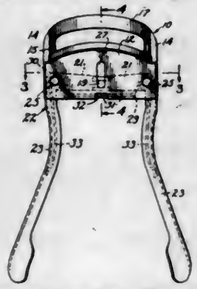
1. An energy converter including an outer casing having a combustion chamber in one end and an inwardly extended head at its other end, an inner casing secured within the outer casing and opening at one end into the combustion chamber, said inner casing being spaced from the outer casing to provide an annular chamber, and having an inwardly extended head surrounding and spaced from the inwardly extended head of the outer casing to provide a steam generating chamber between the heads, means for supplying a combustible fuel mixture to the combustion chamber, means for igniting the mixture to heat the inner casing and its head, and means for directing water into the generating chamber for conversion into steam by the hot walls of said chamber, there being an outlet for the products of combustion from the inner casing into the annular chamber, and an outlet for discharging steam from the generating chamber into the products of combustion delivered to the annular chamber.

2,134,730
PIPE OR TUBE PROTECTOR
Alden E. Osborn, New York, N. Y., assignor to Simplex Improvements, Inc., New York, N. Y., a corporation of Delaware
Application December 19, 1934, Serial No. 758,238
1 Claim. (Cl. 138—96)



A protector for a tubular part to be protected, said part to be protected having a cylindrical portion provided with an enlarged end forming a shoulder spaced from the end thereof, said protector comprising a sleeve adapted to cover said enlarged end and the adjacent portion of the part to be protected and providing a circumferential recess therein and flexible retaining means in said recess and disposed against the shoulder of the enlarged end and substantially filling the recess and serving to anchor the sleeve against said shoulder, said retaining means being adapted to be inserted into the recess by relative rotation between the part to be protected and the sleeve of the protector.

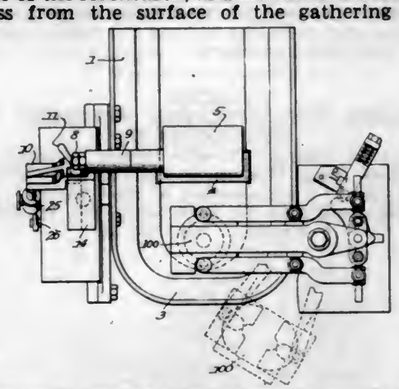
2,134,731
EYELASH CURLER
Charles M. Palmer, Brooklyn, N. Y.
Application May 9, 1935, Serial No. 20,698
17 Claims. (Cl. 132—32)



1. In an eyelash curler, the combination of, a frame comprising a stationary jaw, a slidably guided jaw within said frame, opposed bell crank levers pivoted to said frame and operatively connected to said slidable jaw for actuating the latter towards said stationary jaw, and spring means in part within said frame and in part retained by said bell crank levers for normally holding said slidable jaw spaced from said stationary jaw.

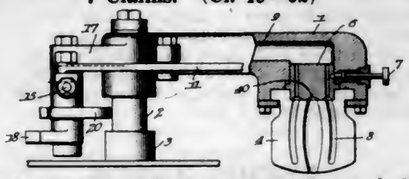
2,134,732
APPARATUS FOR FEEDINC MOLTEN GLASS
Thomas Finney Pearson, Pontefract, England, assignor to Crown Cork & Seal Co. Inc., New York, N. Y., a corporation of New York
Application April 17, 1935, Serial No. 16,918
In Great Britain April 23, 1934
13 Claims. (Cl. 49—1)

1. Apparatus for conditioning glass in the gathering area of a forehearth comprising a refractory bridge spaced rearwardly from the forward wall of the forehearth adjacent the rear of the gathering area and extending thereacross and having its lower surface spaced from the floor of the forehearth, and means for moving the glass from the surface of the gathering area



rearwardly over said bridge and to circulate hot glass forwardly and upwardly under said bridge, said means comprising a skimmer and means for moving the same rearwardly over the surface of the gathering area in contact with the glass and forwardly out of contact with the glass.

2,134,733
SUCTION GATHERER
Thomas Finney Pearson, Pontefract, England, assignor to Crown Cork & Seal Co. Inc., New York, N. Y., a corporation of New York
Application April 17, 1935, Serial No. 16,919. Renewed October 20, 1937. In Great Britain April 23, 1934
7 Claims. (Cl. 49—62)

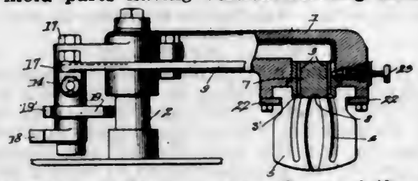


1. A suction gatherer comprising a hollow horizontal arm, a suction gathering head at one end thereof and a vertically disposed supporting spindle at the other, and means for imparting limiting reciprocatory and oscillatory movements to said spindle to lower and raise said head into and out of the class in a forehearth and to swing said head laterally to a discharge position, said means comprising a rotating disc having a peripheral cam surface, a roller projecting laterally from the spindle and supported on said surface to derive movement from the rotation of said disc, thereby to reciprocate the spindle vertically, and a crank mechanism operatively connected to and driven by said disc for oscillating the spindle in timed relation to the reciprocation thereof.

2,134,734
SUCTION GATHERER
Thomas Finney Pearson, Pontefract, England, assignor to Crown Cork & Seal Co. Inc., New York, N. Y., a corporation of New York
Application April 17, 1935, Serial No. 16,920
In Great Britain April 23, 1934
12 Claims. (Cl. 49—62)

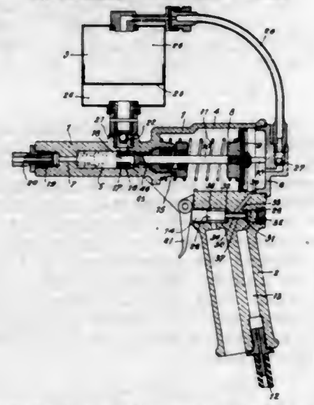
1. A gathering head for gathering and delivering glass charges from a glass furnace com-

prising a horizontal swinging arm mounted for oscillations about a vertical axis and having a suction passage therein, and a constantly vertically disposed suction gathering mold at the free end of said arm, said mold comprising a pair of mold parts having vertical meeting surfaces



relatively movable to one another and the free end of said arm to open and close the mold, and a third mold part rigidly mounted on said arm and recessed to receive part of the charge and to maintain the same in vertical disposition when the other two parts of the mold move away from one another and from the said third part.

2,134,735
FLUID OPERATED APPARATUS FOR THE DELIVERY OF A FLUID OR SEMIFLUID MATERIAL
Charles Reinhold, Geneva, Switzerland, assignor to Societe d'Exploitation des Brevets Charles Reinhold, Geneva, Switzerland
Application March 5, 1934, Serial No. 714,195
In Switzerland March 10, 1933
18 Claims. (Cl. 221—47.3)

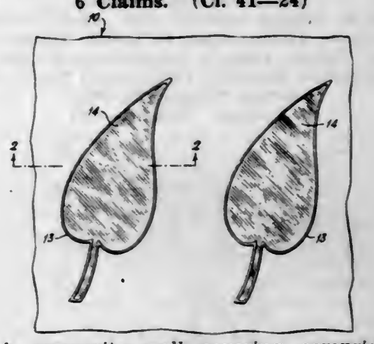


1. Apparatus for delivering liquid, comprising a delivery chamber, a multi-element plunger comprised of a main portion and a sleeve encircling the same and slidably mounted thereon, the said plunger constituting a piston extending into said chamber, means for reciprocating said plunger, all of the elements of said plunger contributing to the area of the piston head when the pressure thereagainst is low, but the said sleeve being ineffective when the pressure thereagainst is relatively high.

2,134,736
LUBRICANT
Raymond Reuter, Medford Lakes, N. J., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application April 19, 1935, Serial No. 17,257
2 Claims. (Cl. 87—9)

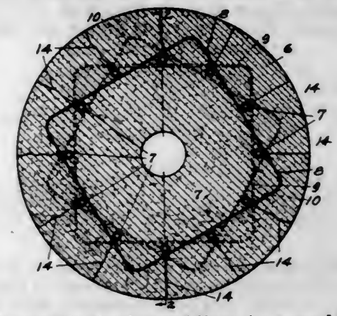
1. A lubricant comprising a viscous hydrocarbon oil and an ester of a polybasic carboxylic acid from the group consisting of butyl sebacate, dibutoxy ethyl phthalate and dimethoxy ethyl phthalate.

2,134,737
INLAID METAL SURFACE ORNAMENTATION
Otto Paul Riedel, Bergenfield, N. J., assignor to Metaphane, Inc., New York, N. Y., a corporation of New York
Application September 24, 1937, Serial No. 165,440
6 Claims. (Cl. 41—24)



1. A composite wall covering comprising a sheet of paper having a layer of metal foil on one of its faces, said sheet having linear outlines of ornamental figures scored on the paper face, said scored outlines extending into the metal foil face and lying in relief on said metal face, the spaces around said outlines of figures in relief being covered with a layer of coloring matter contrasting with the metal foil and producing a two-tone color effect, said figured surfaces being below said covering, the outlines of each of said figures being above the body of the figure, said scored lines forming distinct ornamental figures having the appearance of being inlaid, said scored lines being of small width to permit positive attachment of the entire sheet of wall covering by pasting said paper face to a wall and including said scored portions in relief.

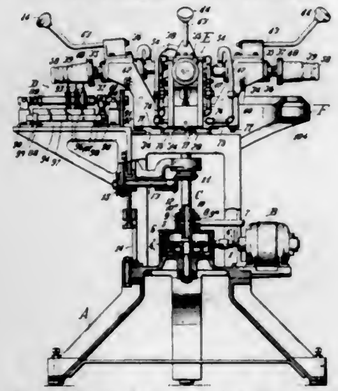
2,134,738
ARTIFICIAL PULP GRINDING STONE AND METHOD OF MAKING SAME
Hans P. Scheel, Jr., Sedro Woolley, Wash.
Application October 12, 1936, Serial No. 105,284
Renewed January 17, 1938
8 Claims. (Cl. 51—206)



1. The method of providing, in a molded concrete pulp grinding wheel, a plurality of substantially radial cracks terminating at the periphery of the wheel, comprising embedding in said wheel, when plastic, at a substantial distance inwardly from the periphery thereof a plurality of trans-

verse spaced apart bars each having a higher coefficient of expansion than the concrete of which the wheel is made and of a cross sectional area sufficient to crack the wheel from the bars radially outward when the wheel is subjected to a substantial rise of temperature resulting from normal operation.

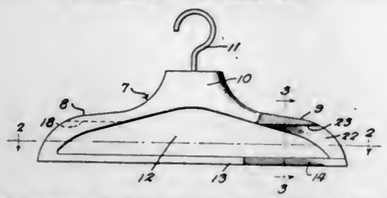
2,134,739
BANDING MACHINE
Harold R. Schutz, Ottawa Hills, Ohio, assignor, by mesne assignments, to Libbey Glass Company, Toledo, Ohio, a corporation of Ohio
Application April 27, 1935, Serial No. 18,571
Renewed October 29, 1936
27 Claims. (Cl. 91—12)



17. A machine for applying colored bands to articles comprising a chuck, paint applying discs adapted to rotate the chuck when applying paint to the article carried by the chuck and independent mechanical means for rotating the chuck immediately after rotation by the discs.

20. A method of forming a band on an article comprising rotating the article while in contact with a paint applying member and rotating the article at increased speed when such contact ceases to whip the tail of the paint into alignment with the applied band and to evenly distribute the banding material to produce a band of substantially uniform thickness.

2,134,740
COAT HANGER AND PANTS SUPPORT
Charles Lynn Seyler, Bluefield, W. Va.
Application June 23, 1937, Serial No. 149,993
4 Claims. (Cl. 223—91)

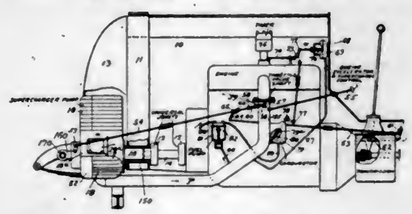


1. A garment hanger made from a block of wood or other slightly resilient material and comprising a central portion provided with a suspending hook, a pair of curved members extending symmetrically from opposite sides of said central portion, a chord member connecting the outer ends of said members, said chord member and said outer ends being grooved to form a slot for receiving skirts or trousers.

2,134,741
PIGMENTED SYNTHETIC RESIN COMPOSITION
Clarence F. Silleck, Brooklyn, N. Y., assignor to C. J. Osborn Company, New York, N. Y., a corporation of New York
No Drawing. Application February 11, 1936, Serial No. 63,395
8 Claims. (Cl. 106—22)

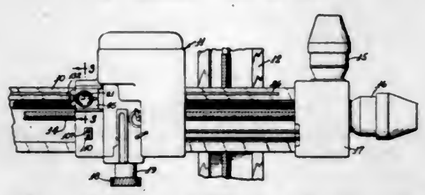
1. A method of making pigmented compositions which comprises providing an emulsion of a pigment with an oily constituent taken from the class consisting of drying, semi-drying and non-drying oils and the acids thereof, and reacting said constituent with substances to form a resin taken from the class consisting of alkyd and phenolic which is soluble in organic solvents, whereby said pigment is uniformly and intimately dispersed in said resin.

2,134,742
SUPERCHARGER FOR GAS ENGINES
Warren F. Stanton, Pawtucket, R. I.; Gladys Perry Stanton administratrix of said Warren F. Stanton, deceased
Application June 29, 1932, Serial No. 620,021
19 Claims. (Cl. 123—119)



1. The combination of a gas engine having a variable speed transmission, a supercharger for the engine, and means that control the supercharge delivered to the engine operative when certain transmission ratios are used comprising a movable member of the transmission to change the driving connection from the engine, manual means to control the supercharge to the engine having a to and fro moving element, and stop means to coact with the said element shiftable relative thereto, and an operative connection between said movable member of the transmission and said stop means.

2,134,743
POSITION INDICATING MECHANISM FOR MACHINE TOOLS
Marion L. Strawn, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois
Application July 3, 1936, Serial No. 88,727
20 Claims. (Cl. 90—16)



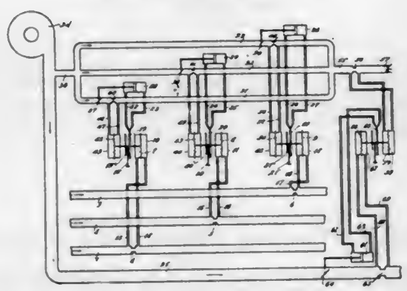
1. A machine tool comprising, in combination, a plurality of relatively movable machine tool elements, an elongated toothed rack carried by one of said elements, a member having complemental teeth thereon engageable with the teeth of said rack, means supporting said toothed member on another of said machine tool elements for floating movement longitudinally of said rack and normally out of engagement therewith, means operable at will to move said member into engagement with said rack, and means for visually indicating the magnitude of the longitudinal floating movement of said member required to bring the complemental teeth on said rack and said member into exact registering engagement upon the actuation of said last named means and thereby indicating the relative positions of said machine tool elements.

2,134,744
FRICTION MATERIAL AND METHOD OF PRODUCING SAME
Earl A. Wales, Cleveland, Ohio, assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn., a corporation of New Jersey
Application December 21, 1936, Serial No. 117,013
7 Claims. (Cl. 139—383)



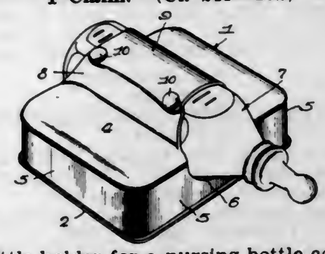
1. A clutch or brake facing element formed throughout of woven fibrous material, the fibre of one surface thereof comprising its operating surface being porous, resilient and untreated, and the fibres of the opposite surface comprising the mounting surface being reinforced with a hardened binder, to form a firm and dense strata capable of receiving attaching means for attaching the facing to a mounting.

2,134,745
METHOD OF AND APPARATUS FOR PROPORTIONING THE FLOW OF FLUIDS
Herbert Ziebolz and Hubert J. Velten, Chicago, Ill., assignors to Askania-Werke A. G., a company of Germany
Application October 7, 1936, Serial No. 104,526
Renewed December 4, 1937
9 Claims. (Cl. 137—164)



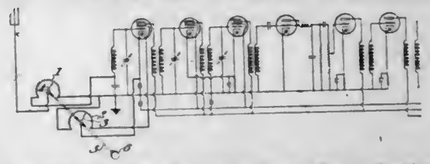
1. That method of proportioning the flow of a first pressure fluid to the flows of a plurality of second pressure fluids of a different character from each other and all subject to flow variations, which is characterized by supplying pilot fluid under substantially the same pressure to separate pilot conduits, one for each of said second pressure fluids; proportioning the flow of pilot fluid through said pilot conduits to the flows of the respective second fluids; and proportioning the flow of said first fluid to the total flow of pilot fluid.

2,134,746
BOTTLE HOLDER
Paul E. Allen, Niles Center, Ill.
Application December 31, 1936, Serial No. 118,595
1 Claim. (Cl. 248—102)



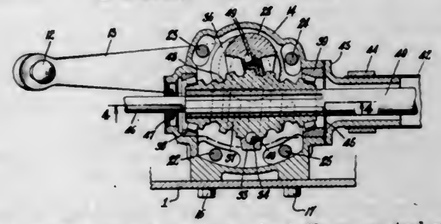
A bottle holder for a nursing bottle comprising a base formed of rubber or the like and adapted to be filled with a yieldable filling material capable of changing its position so that the base will adapt itself to the contour of any support upon which it may be placed, a well formed in the base to receive the bottle and the side walls forming the well having contact with a large portion of the surface of the bottle, and retaining flaps formed integrally with the base and adapted to encompass the periphery of the bottle lying outside of the well so as to provide a complete coverage for the bottle throughout the greater portion of its length and thereby retain the contents of the bottle at an even temperature.

2,134,747
VACUUM TUBE AMPLIFIER
Stuart Ballantine, Mountain Lakes, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application March 31, 1930, Serial No. 440,514
21 Claims. (Cl. 250—20)



17. The method of controlling the output energy of a vacuum tube amplifier which comprises simultaneously controlling amplification of the tube and the amount of input signal supplied thereto.

2,134,748
STEERING MECHANISM
Ernest W. Baxter, Detroit, Mich.
Application February 12, 1937, Serial No. 125,377
4 Claims. (Cl. 74—500)



1. In a steering gear, a pivotally mounted pitman arm, an annular ball race fixed thereto, a worm cooperating therewith and having an arcu-

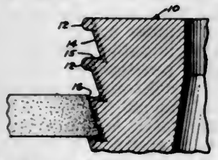
ate surface of revolution, a helicoidal groove therein having a constant pitch, the axis of said worm being eccentric to said ball race, the ball race being inclined to said axis and parallel to the tangent of the helicoidal groove at their point of adjacency and a series of balls in said race contacting with said groove, said worm being located within and extending through said race.

2,134,749

METHOD OF MAKING CAST IRON SLIPS FOR OIL TOOLS

Clarence E. Burt, Los Angeles, Calif., assignor to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California

Application January 21, 1937, Serial No. 121,540
1 Claim. (Cl. 29—148)



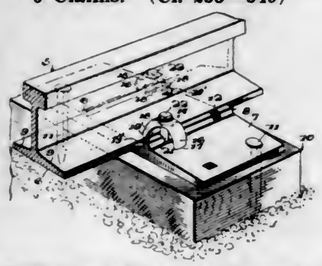
A method of producing cast iron slips which comprises producing a slip casting in the form of a ring, said casting having wickers circumscribing the peripheral face thereof and having a bead formed on the peripheral face of each wicker contiguous to the radial face thereof, hardening the faces of said wickers by chilling the same during the casting thereof, grinding off the bead so formed flush with the circumferential face of said wicker so that said face sharply intersects the radial face thereof, and then dividing said ring casting radially to form segmental slips.

2,134,750

RAILROAD ANTICREEPER

John Clark, Walkerton, Ind.

Application September 28, 1937, Serial No. 166,159
6 Claims. (Cl. 238—349)



1. A resilient railroad anti-creeper, comprising a generally spherically curved shell having three spaced openings and spaced arms between the openings, the arms having end edges, the end edges of two arms engaging the base of the rail and the end edge of the remaining arm engaging the tie plate or tie, and means for exerting downward pressure upon the shell which is transmitted by the arms to the end edges in a manner tangential with respect to the shell.

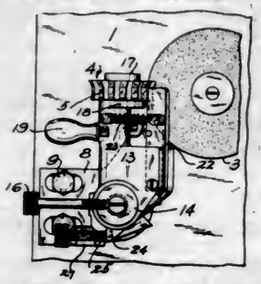
2,134,751

EDGE TRIMMER GRINDER

Ernest Dunford, St. Louis, Mo., assignor to Landis Machine Company, St. Louis, Mo., a corporation of Missouri

Application September 9, 1937, Serial No. 162,967
11 Claims. (Cl. 51—225)

1. In combination, a grinding wheel, a support arm pivoted about an axis substantially parallel to and substantially spaced from the axis of said wheel, said arm having a cutter journalling spindle adjacent to said wheel with its axis extending transversely of said wheel axis, a finger pivoted on said arm about an axis extending transversely of the axis of said spindle, said finger terminating



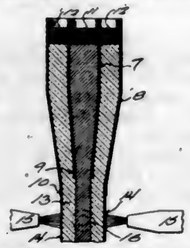
adjacent to said spindle and having an element tapered to enter the recess between two cutter teeth so that its opposite sides engage a cutter tooth cutting face and an opposing face of an adjacent tooth, and a tension spring connecting said arm and finger and thrusting said finger inwardly of said recess to effect such engagement.

2,134,752

METHOD OF MAKING RESISTOR ELEMENTS

George M. Ehlers, Milwaukee, Wis., assignor, by mesne assignments, to Globe-Union Inc., Milwaukee, Wis., a corporation of Delaware

Original application December 4, 1933, Serial No. 700,872. Divided and this application October 1, 1934, Serial No. 746,340
4 Claims. (Cl. 25—156)



1. The method of making an electrical resistor element which includes embedding a citrifiable material containing a conductor into a citrifiable material which is in a state of greater sub-division than the first material and firing the formed materials to a state of vitrification.

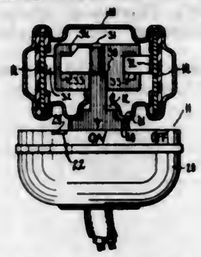
2,134,753

DETACHABLE COLLECTOR

Lyman C. Fisher and William H. Frank, Detroit, Mich.

Application September 18, 1935, Serial No. 41,048
Renewed January 8, 1938
23 Claims. (Cl. 173—328)

3. A detachable collector comprising a carrier having spaced aligned posts projecting upwardly therefrom, parallel contact leaves pivotally connected to the posts on axes parallel to those of the posts and extending from their pivotal mountings in opposite directions transverse to the axes of their pivotal mountings, a cam between the posts and projecting upwardly from the carrier and journalled with respect thereto and operatively connected to the contact leaves so as to control their relative position, these, in one position, being spread apart a considerable distance when the cam is rotated in one direction, and



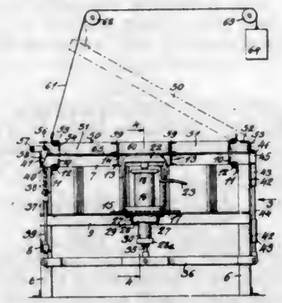
when in another position drawn close together when the cam is rotated in the opposite direction.

2,134,754

APPARATUS FOR FORMING AUTOMOBILE FLOOR MATS

Harry M. Flint and Clarence Schermerhorn, Denver, Colo., assignors to The Gates Rubber Company, Denver, Colo., a corporation of Colorado

Application January 25, 1937, Serial No. 122,208
6 Claims. (Cl. 18—19)



1. An apparatus for use in deforming precured sheets of rubber composition, comprising, a supporting frame having an opening, a movable clamping frame having an opening that corresponds in shape and size to the opening in the supporting frame, a hinge connected with the supporting frame, the clamping frame being connected with the hinge and tiltable relative to the supporting frame, a latch element movably attached to the supporting frame for engagement with a cooperating latch element on the tiltable clamping frame, means for moving the latch element downwardly to force the clamping frame against the upper surface of a sheet of rubber composition resting on the supporting frame, a heated plunger positioned underneath the opening in the supporting frame for movement upwardly through this opening, and means for moving the plunger upwardly whereby the sheet will be deformed.

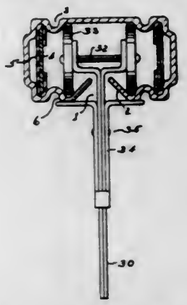
2,134,755

ELECTRICAL DISTRIBUTION SYSTEM

William H. Frank and Lyman C. Fisher, Detroit, Mich.

Original application October 21, 1935, Serial No. 45,924. Divided and this application April 17, 1936, Serial No. 74,910
1 Claim. (Cl. 105—155)

In combination, a slotted tube trolley duct having a slotted wall and a wall opposite thereto, a load support comprising two adjacent plates, each having its upper portion bent away from the other plate and flanged upwardly, an axle passing through holes in the flanges, wheels on the ends of the axle riding on the interior surfaces of the aforementioned walls of the duct, the plates riding in the slot and depending from



the axle, and a clamp pivoted on the depending parts of the plates and manipulable to engage the outside surface of the slotted wall and with the cooperation of the wheels engaging the inside surface of the slotted wall to clamp the load support in fixed position on the duct.

2,134,756

CONTROL DEVICE

William Gerry, Kalamazoo, Mich., assignor to Shakespeare Products Company, Kalamazoo, Mich.

Application July 15, 1937, Serial No. 153,729
14 Claims. (Cl. 74—502)



1. In a control device, the combination of a tubular support, a tubular adjusting member mounted in said support for longitudinal adjustment and supported against rotative movement, means coacting with said adjusting member for frictionally resisting longitudinal movement thereof, a control rod mounted for longitudinal adjustment in and with said adjusting member and supported against rotative movement, a head piece threaded upon the outer end of said adjusting member and having swiveled connection with said control rod whereby said adjusting member and control rod may be adjusted as a unit longitudinally and the control rod may be adjusted longitudinally within said adjusting member by a rotative adjustment of said head piece, and a spring pressed ball detent carried by said head piece and coacting with the threads on said adjusting member.

2,134,757

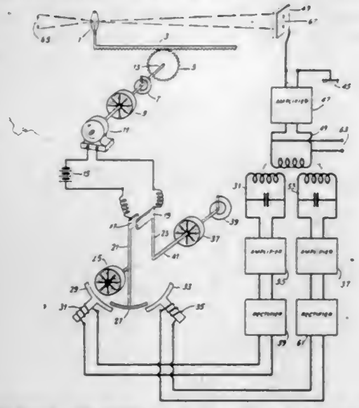
CONTROL SYSTEM

Alfred N. Goldsmith, New York, N. Y.

Application December 12, 1935, Serial No. 54,023
11 Claims. (Cl. 178—7.1)

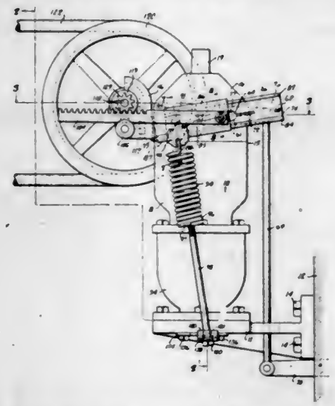
1. The method of operating a closed-cycle system which comprises the steps of developing energy related to a parameter of a controlled element of the system, developing energy related to a second parameter of a controlled element of the system, determining the ratio of the two developed energies, and initiating a controlling action upon the system in accordance with the de-

termined ratio irrespective of the variance of the



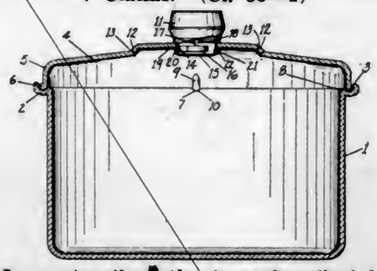
difference between the parameters forming the developed ratio.

2,134,758
GOVERNOR MECHANISM
Franklin G. Hobart, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application October 16, 1936, Serial No. 105,901
2 Claims. (Cl. 264—3)



1. A governor and control assembly therefor, including a governor spindle, fly weights carried by the spindle, a control shaft operatively connected with said fly weights, adapted to rock in response to centrifugal movement of the fly weights, an elongate lever arm secured at a point located between its opposite ends to one extremity of the shaft, the longitudinal axis of said lever arm extending diametrally with respect to the shaft, a slide carried by and shiftable along said lever arm between extreme positions located at relatively opposite sides of the shaft, a tension spring for opposing centrifugal movement of the fly weights having one end anchored at a point laterally remote from said lever arm, means pivotally connecting the opposite end of said spring to said slide at a point located on the longitudinal axis of the lever arm, said spring being adapted thereby to act at variable points along the lever arm, including a point coincident with the axis of said shaft; and means for shifting the slide along the lever arm.

2,134,759
COOKING UTENSIL
Lewis G. Howlett, Hartford, Mich., assignor to Cookware Company of America, Hartford, Mich.
Application January 14, 1938, Serial No. 184,936
7 Claims. (Cl. 53—1)

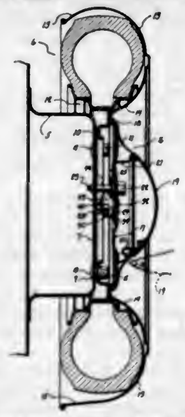


7. In a utensil of the type described having cover and receptacle portions, means for admitting air annularly between said portions in one relative position of the portions, and means for selectively venting gases and vapors upwardly and centrally through the cover, comprising a valve plate rotatably mounted on the cover, the cover having a plurality of ports controlled by said plate, and a handle rotatably mounted in the cover, said plate being secured to the handle interiorly of the cover and actuated thereby.

2,134,760
MOLDED COMPOSITION
Kenneth M. Irey, Palisades Park, N. J., assignor, by mesne assignments, to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application September 3, 1935, Serial No. 38,981
4 Claims. (Cl. 106—38)

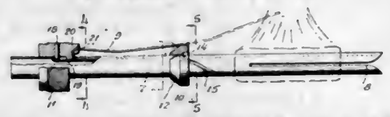
1. A composition of matter homogeneous and uniform throughout comprising a reaction product of formaldehyde and a mixture of zein and acid-treated scrap leather.

2,134,761
SPARE WHEEL COVER AND LOCK
Edward N. Jacobi, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application September 23, 1935, Serial No. 41,645
4 Claims. (Cl. 150—54)



1. In combination with a mounting bracket adapted to have a spare wheel clamped thereto by fastening means engaging the hub portion of the wheel, a hub cap for disposition over the hub of the wheel and over all of the fastening means to prevent access thereto, said hub cap including a stiff metal disc and an outer ornamental sheath attached to the disc and extending outwardly therefrom to define a chamber to which access is had through a hole in the ornamental sheath, a movable door closing said hole, a threaded stud rotatably mounted on the stiff metal disc with its threaded end portion adapted for threaded engagement with the mounting bracket so that by tightening the stud the hub cap may be drawn firmly against the side of the wheel, and lock means for preventing retrograde rotation of the stud, said lock means including a lock cylinder having its keyway accessible from inside the chamber defined by the stiff metal disc and its ornamental sheath.

2,134,762
HAIR CURLER
Joseph Jacobs, Bridgeport, Conn., assignor to The Hayes Donahue Manufacturing Co., Inc., Milford, Conn., a corporation of Connecticut
Application September 16, 1937, Serial No. 164,114
10 Claims. (Cl. 132—33)



1. In a hair curler, a mandrel upon which a strand of hair is wound, and cooperating members normally spaced along the mandrel and supporting a hair pin relative to said mandrel for application to said strand, one of said members having an initial longitudinal movement relative to the other and both having subsequent unitary movements with respect to said mandrel to transfer said pin from its supported position onto said strand.

2,134,763
EGG CARTON AND FILLER
Edward J. Lawless, Chicago, Ill.
Application April 23, 1937, Serial No. 138,510
3 Claims. (Cl. 217—32)

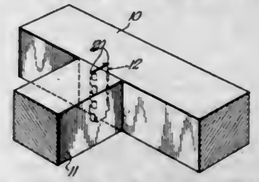


1. A filler for egg cartons or the like, including a plurality of transverse partitions, each partition being provided with a pair of slits extending upwardly from its lower edge to approximately the longitudinal center line of the partition, the lower portion of each slit being of substantially inverted V-shape, the outer edges of each pair of slits immediately above said portions diverging upwardly and the corresponding inner edge portions of each pair of slits being substantially vertical, the slits immediately above the last-mentioned portions being shaped to form tongues which project toward one another, and the slits forming slots immediately above said tongues, and flexible longitudinal strips interlocked with said partitions and having equally spaced apart notches upon their upper edges and apertures aligned with such notches and arranged immediately below the same, the tongues of the partitions extending through said apertures, and the body portions of the strips engaging the diverging edges of the partitions so as to support the strips in upwardly diverging relation, each strip being of unbroken formation between its notches and apertures so as to provide an unbroken wall immediately above the tongues of the partitions.

2,134,764
METHOD OF MAKING CORN GLUTEN PLASTIC
Gerald J. Leuck, Evanston, Ill., assignor, by mesne assignments, to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 17, 1935, Serial No. 27,138
1 Claim. (Cl. 106—38)

Process which comprises treating 100 parts of corn gluten with 25 parts of a 40% formaldehyde solution and with 20 parts of a half normal water solution of hydrochloric acid, and thereafter heating the material to a temperature between 200° and 300° F.

2,134,765
CLAMP NAIL OR FASTENER
Mabel C. Putnam, Chicago, Ill., assignor to Clamp Nail Company, Chicago, Ill., a corporation of Illinois
Application June 8, 1936, Serial No. 84,128
7 Claims. (Cl. 85—11)

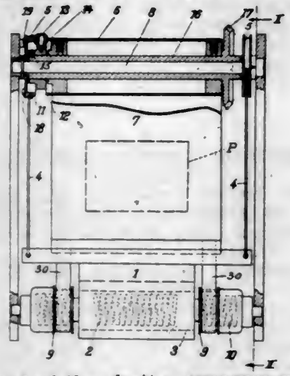


1. A fastener of the class described comprising a web with sides that are substantially parallel the greater portion of their lengths, a tongue integral with, projecting from, and of less width than the driven end of said web, and rows of tapered tabs at each side of said web, alternate tabs projecting from said web in opposite directions to provide two discontinuous flanges on each face of said web.

2,134,766
PHOTOGRAPHIC SHUTTER
Friedrich Schieber, Dresden, and Albert Wolf, Dresden-Laubegast, Germany, assignors to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application May 9, 1938, Serial No. 206,746
In Germany June 10, 1937
13 Claims. (Cl. 95—57)

3. In a curtain shutter for photographic cameras, a curtain comprising two sections, two parallel spaced rotatable drums, each having attached thereto one of said curtain sections, the free ends of which are adapted to form between the same an exposure slot, means for winding and adjusting the shutter, a differential gearing connecting said drums with each other and with said winding and adjusting means, said defferential gearing including a planetary gear meshing with two gears, one of said two gears being coaxially connected with one of said drums and the other gear being operatively connected with the other drum, and spring means for rotating said drums in a direction opposite to that of said winding and adjusting means, said planetary gear effecting a

relative movement between said curtain sections



near the end of the shutter exposure movement for closing the slot between said curtain sections.

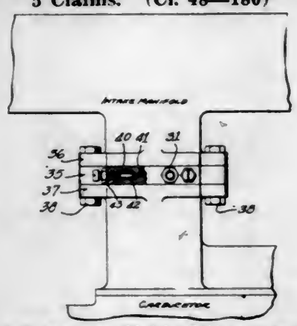
2,134,767

CHARGE DILUTING ATTACHMENT FOR ENGINE INTAKE MANIFOLDS

Charles Strancke, Milwaukee, Wis.

Original application July 22, 1932, Serial No. 623,957. Divided and this application December 16, 1936, Serial No. 116,049

5 Claims. (Cl. 48—180)



1. An intake manifold fitting comprising a block having a central aperture registerable with the manifold opening, a plurality of ducts opening tangentially into the aperture of said block, and needle valve means in threaded connection with said block and individually controlling the respective ducts, said block including a conduit placing the several ducts in communication with each other and comprising a channel in a face of the block externally of the points in said ducts at which said needle valve means is effective.

2,134,768

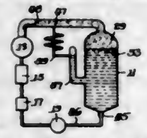
SEPARATING PROCESS AND APPARATUS

Howard M. Threlkeld, Chicago, Ill., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill., a corporation

Application January 15, 1935, Serial No. 1,907

9 Claims. (Cl. 62—126)

4. A refrigerating apparatus comprising an evaporator and associated fluid-forcing means adapted to deliver an evaporable liquid, containing a relatively non-evaporable lubricant, to said evaporator and to withdraw, from the evaporator, gases evolved by the evaporation of the liquid therein, said evaporator being formed to provide a main evaporating chamber connected with the fluid-forcing means above the liquid level therein, and a riser connected below its upper end with the main evaporating chamber and adapted to receive liquid from the main evaporating chamber to a fluctuating level in said riser, an outlet in said riser substantially at the liquid level maintained in said riser, and a conduit connected at one end with said outlet and having a remote end connected with the fluid-forcing means whereby liquid, containing lubricant, may be



withdrawn from said riser and delivered through the conduit to the fluid-forcing means, said conduit being arranged in serpentine coils to increase its effective length, between said outlet and the remote end of said conduit, sufficiently to ensure the substantial evaporation of the evaporable constituent of the liquid traveling the conduit before the same reaches the remote end thereof.

2,134,769

WATER RESISTANT ZEIN COMPOSITION

Collins Veatch, La Grange, Ill., assignor, by mesne assignments, to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application July 9, 1937, Serial No. 152,779

2 Claims. (Cl. 134—12)

1. A solution mixture containing the following substances in proportions as follows: zein 100 parts by weight, paraffine 4 parts by weight, 94% methyl alcohol 270 parts by volume, benzol 130 parts by volume.

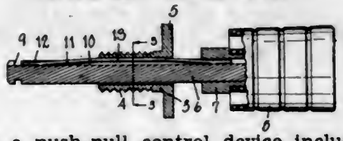
2,134,770

CONTROL

Herman Weber, Kalamazoo, Mich., assignor to Shakespeare Products Company, Kalamazoo, Mich.

Application April 19, 1937, Serial No. 137,779

12 Claims. (Cl. 74—503)



1. In a push-pull control device including a plunger rod having a push button thereon, said plunger rod being grooved lengthwise of its axis, the combination of means in the form of a support slidably receiving said rod, and means to maintain a close sliding contact between said means and rod comprising a bowed spring wire element lying in said groove with the bowed portion thereof spaced substantially from the bottom of the groove and in frictional sliding contact with the support, one end of said element being fixedly secured to said rod and the other end thereof engaging the rod.

2,134,771

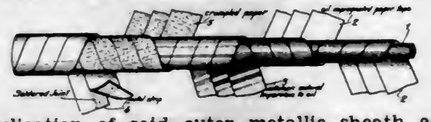
ELECTRIC CABLE

Frank L. Aime, New York, N. Y., assignor to Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware

Application February 14, 1936, Serial No. 63,832

1 Claim. (Cl. 173—266)

The method of preventing the impregnating composition of insulating wrappings about a cable core from exuding through the overlap portions of an outer metallic spiral sheath while heating the said sheath during soldering said overlap portions together, which comprises enclosing said wrappings and core in a fluid-tight sheath before the



application of said outer metallic sheath and thereafter soldering the overlap portions of said metallic sheath while the fluid-tight sheath retains the impregnating composition in the wrapping.

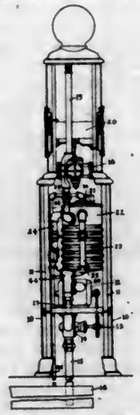
2,134,772

METHOD OF AND APPARATUS FOR DISPENSING FLUIDS

Kenneth C. Allison, Arlington Heights, Ill.

Application January 25, 1934, Serial No. 708,201

15 Claims. (Cl. 221—95)



1. A fluid dispensing apparatus comprising, in combination, a supply tank for fluid, a pump, a heat transfer and expansion chamber, a flow system connecting said tank with said pump and including branch conduits discharging into the upper and lower portions of said chamber, a discharge conduit leading from the upper portion of said chamber, valve means for directing the flow of fluid through one or the other of said branch conduits, and means for controlling the position of said valve means including thermally responsive means for detecting a temperature differential between fluid from said tank and atmosphere, and means controlled by said thermally responsive means for setting the valve to direct fluid into the lower portion of said chamber when the fluid temperature is lower than that of atmosphere and into the upper portion of said chamber when the temperature differential is otherwise.

2,134,773

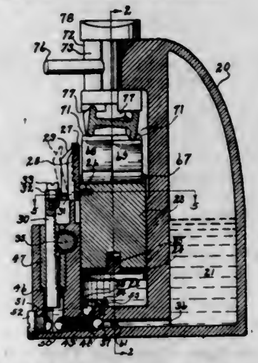
MACHINE TO BEND OR TWIST CONNECTING RODS

Ewald A. Arp, Minneapolis, Minn.

Application October 31, 1934, Serial No. 750,832

10 Claims. (Cl. 153—78)

4. In a machine for twisting the I-beam sections of connecting rods, oscillatably mounted anvil members each including spaced apart working elements adapted to engage the opposite end portions of the spaced flanges, respectively, of an I-beam section of a connecting rod at one side thereof, a tool including spaced apart working elements one of which is adapted to engage one flange of said I-beam section of said connecting rod and the other of which is adapted to engage the other flange of said I-beam section of said connecting rod at the side thereof opposite said anvil members, and means for causing said working elements of said anvil members and said tool to cooperatively engage said I-beam section and bear with pressure thereagainst.



6. In a machine of the character described, a supporting tool including an element for operating upon a connecting rod, a complemental tool including an element for operating upon said connecting rod in cooperation with the tool first mentioned, a mechanical lift for elevating said supporting tool to position where said tools cooperatively engage said connecting rod, hydraulic means for further elevating said supporting tool to cause the tools to accomplish a working operation upon said connecting rod, and means actuated by manipulation of said hydraulic means for rendering said mechanical lift inoperative upon commencement of operation of the hydraulic means.

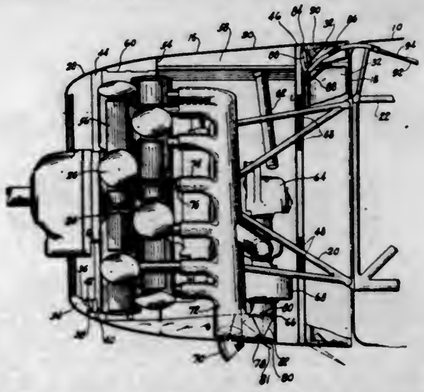
2,134,774

ENGINE COOLING MEANS

Rex B. Beisel, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application June 15, 1935, Serial No. 26,878

13 Claims. (Cl. 123—171)



1. In a vehicle having a fuselage, an engine compartment, and an engine in said engine compartment, cooling means for said engine comprising, an open ended cowl surrounding said engine

and having its trailing edge spaced from the forward edge of said fuselage to form a gill opening for the exit of engine cooling air, a fuselage carried support for the trailing edge of said cowl, a series of flaps hinged to said support and extending across said gill opening adjustable to control the amount of engine cooling air vented through said gill opening, and manually actuatable means for adjusting said flaps.

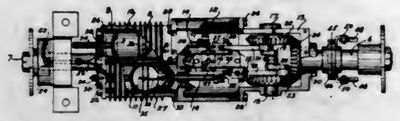
6. In a vehicle, an engine compartment, a cowl surrounding said engine compartment, an engine having a carburetor and an exhaust collector ring and exhaust stacks in said compartment, a shroud surrounding said exhaust collector ring and portions of said exhaust stacks, said stack surrounding portions being open to receive air from the cooling air stream flowing past said engine, an air duct having an opening at one end connected with said shroud for venting the air flowing therethrough outside of said cowl and a second opening connected with the air intake of said carburetor, and a valve opposite said openings operable to selectively direct the air flowing through said shroud through one or the other of said openings.

2,134,775
WIRE CONNECTER
Martin D. Bergan, Linden, N. J., assignor to The Thomas & Betts Co., Elizabeth, N. J., a corporation of New Jersey
Original application April 25, 1935, Serial No. 18,112. Divided and this application April 16, 1937, Serial No. 137,161
3 Claims. (Cl. 173—269)



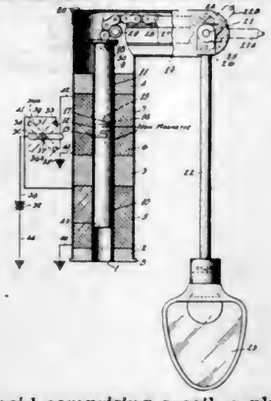
1. A wire connecter comprising a clamping member formed from a ribbon of sheet metal, the edges of the sheet metal ribbon at one end thereof being pressed upwardly to form a wire receiving groove therebetween, the groove being inclined with respect to the pressed up edges of the clamping member, the pressed up edges of the clamping member being parallel, an operating member carried by the clamping member and slidable upon the parallel edges thereof relatively to the inclined groove to grip a wire therein, and the other end of the clamping member forming securing means to anchor the connecter to some other structure.

2,134,776
HYDRAULIC TRANSMISSION
Baldwin Burhop, Milwaukee, Wis.
Application March 30, 1938, Serial No. 198,875
10 Claims. (Cl. 74—294)



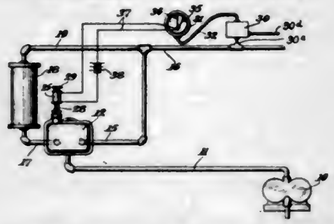
1. A hydraulic transmission comprising, approximately alined driving and driven shafts, a casing secured to one of said shafts and having parallel cylinder bores extending toward the other shaft, a single piston reciprocable within each of said cylinder bores and having a by-pass valve directly therein, and gearing interposed between said pistons and said other shaft, said gearing being operable by said other shaft to reciprocate said pistons.

2,134,777
SOLENOID
Fred V. Clancy, Los Altos, Calif.
Application August 25, 1936, Serial No. 97,775
2 Claims. (Cl. 175—337)



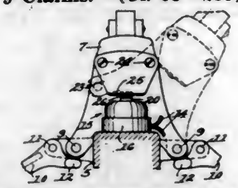
1. A solenoid comprising a coil, a plunger section movably mounted in the coil and having one end operatively connected to a load, means for energizing the coil for moving the plunger section so that its free end will lie flush with an end of the coil, the other end of the section projecting beyond the opposite end of the coil, a second coil spaced from the last-named end of the first coil, a second plunger section slidably mounted in the second coil, non-magnetic means connecting the two plunger sections together, said second plunger section being interposed between the load and the first plunger section, the end of the second plunger section nearest the first plunger section being disposed between the ends of the second coil when the first section has been moved by the energizing of the first coil, said coil energizing means including means for energizing both coils, whereby the end of the second section disposed nearest the first section will be moved flush with the end of the second coil disposed nearest the first coil, and the end of the first section disposed nearest the second section will not be moved beyond the adjacent end of the first coil.

2,134,778
VISCOSITY REGULATOR
Henry B. Clarke, Grosse Pointe, Mich., assignor, by mesne assignments, to Henry R. Gross, Chicago, Ill.
Application May 16, 1935, Serial No. 21,792
29 Claims. (Cl. 184—104)



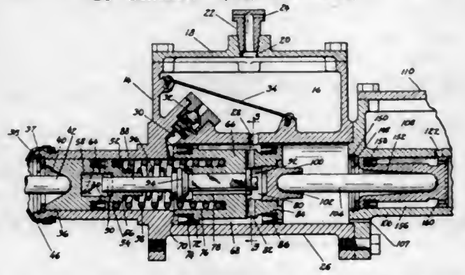
1. In a fluid system, a heat-exchange device, a by-pass around said heat exchange device, a conduit into which discharge both said device and said by-pass, a channel communicating with said conduit and containing viscosity responsive means operative to control flow through said heat exchange device and by-pass.

2,134,779
SAFETY DEVICE FOR CLOTHES WRINGERS
William C. F. Dietz, Cincinnati, Ohio, assignor of one-half to Walter K. Voss, Davenport, Iowa
Application March 10, 1933, Serial No. 660,282
9 Claims. (Cl. 68—253)



1. In a wringer, a lower frame having a power driven roller mounted therein, a one-piece upper frame member provided with a cooperating roller, said frame member being pivoted at each end and to one side of said lower frame, locking means for retaining said upper frame member in a normal operating position, driving means for said rollers including a motor, a spring opened switch in the circuit for said motor positioned upon said lower frame, means provided on said upper frame member for engaging said switch to hold it in a closed position, and manually operable means adjacent said rollers for releasing said locking means to permit said upper frame member to swing to one side of said lower frame and said switch to assume an open position.

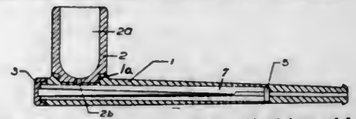
2,134,780
FLUID PRESSURE DEVICE
Willis G. Doyle, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application April 16, 1934, Serial No. 720,686
10 Claims. (Cl. 188—152)



1. A fluid compression device comprising a reservoir, a pair of cylinders of different diameters, a piston in each of the cylinders, means for spacing the pistons apart yieldable at a predetermined pressure, means for circulating fluid from the reservoir to the space between the pistons including a valve for checking the flow of fluid, means including a second valve for circulating fluid from the reservoir through one of the pistons to the space between the pistons, one of said valves operable at a predetermined pressure to check the flow of the fluid through the piston, and means for applying force to the pistons.

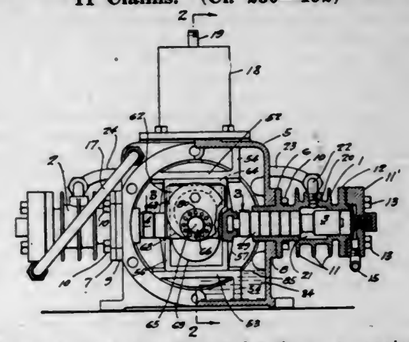
2,134,781
SMOKER'S PIPE
John Henry Flatley, Little York, Ill.
Application March 28, 1936, Serial No. 71,437
1 Claim. (Cl. 131—184)

In a pipe, a stem with mouthpiece united thereto, a bore extending longitudinally through the stem and mouthpiece having a relatively large cylindrical section extending through the stem and a reduced semi-cylindrical section extending through the mouthpiece, a bowl united to the stem, an extension formed upon the end of the stem adjacent the bowl, closure means removably united to the extension, adapted when in place to close the outer end thereof, and a



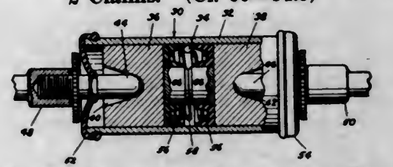
cleaning rod having one end united to said means and extending through the bore of the stem and mouthpiece, the portion of the rod extending into the mouthpiece being widened and curved to form a trough fitted into the semi-cylindrical bore of the mouthpiece so as to prevent its turning therein.

2,134,782
RECIPROCATING COMPRESSOR
Wilfred Fourness, Oakland, Calif., assignor, by mesne assignments, to Fourness Development Corporation, Ltd.
Application April 16, 1934, Serial No. 720,683
11 Claims. (Cl. 230—192)



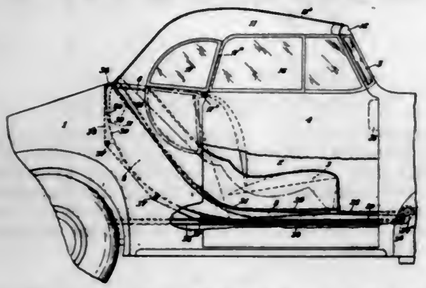
1. In a compressor mechanism, a casing, a piston and a cylinder structure supported by the casing, means in the casing for causing relative motion between the piston and the cylinder, including a shaft, said casing having a body of lubricant therein, and means for distributing said lubricant through the shaft to sliding parts of the mechanism, including means independent of the piston and shaft, forming an aperture radial to the shaft axis as well as apertures transverse thereto and communicating therewith, the outer ends of the apertures being open, and means for passing lubricant into said transverse apertures.

2,134,783
CYLINDER CUP
Clarence V. Gardner, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application November 30, 1935, Serial No. 52,391
2 Claims. (Cl. 60—54.6)



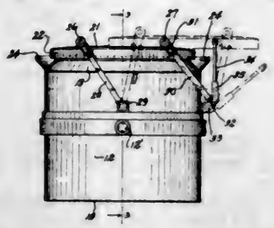
1. A flexible cup including an annular base having concentric lips and a cylindrical plug embraced by the base and the adjacent lip, said plug having its base flush with the base of the cup and a part extending beyond the lips.

2,134,784
AUTOMOBILE BODY CONSTRUCTION
Harry A. Goalwin, Togus, Maine
Application March 13, 1937, Serial No. 130,709
12 Claims. (Cl. 296—107)



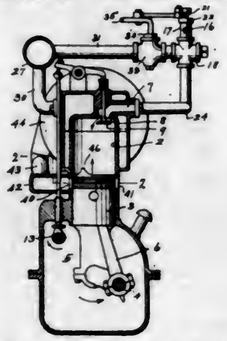
1. In combination with a vehicle body having a passenger compartment, a storage chamber under said compartment and having an entrance rearwardly thereof, the front portion of said chamber being of less width than said entrance, a top adapted to cover said compartment and to be stored in said chamber, said top comprising a center member, and side members, the front portions of said members being pivotally connected to permit said side members to be laterally pivoted to vary the width of said top, means in said body supporting the rear portion of said center member in said chamber and being adapted to raise said top with its rear edge adjacent said entrance and to lower said top with its rear edge in the front portion of said chamber, and guide means in said chamber to effect a pivoting of said side members to adjust the width of said top as required for use and storage as said first-named means carries said rear edge in either direction.

2,134,785
ART OF MANUFACTURING LADLES
Max W. Goldberg and Wallace W. Drissen, Port Washington, Wis., assignors to Modern Equipment Company, Port Washington, Wis., a corporation of Wisconsin
Application October 2, 1935, Serial No. 43,146
8 Claims. (Cl. 22—81)



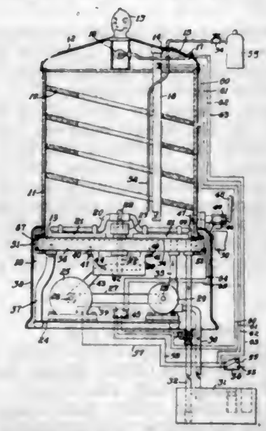
7. In combination, a ladle, supporting trunnions projecting from opposite side portions of the ladle, a cover for said ladle, and arms pivotally connected at their lower ends to the ladle and at their upper ends to the cover, said arms being so disposed when the cover is closed as to provide for bodily reciprocal movement of all portions of the cover a substantially equal distance from a closing position to a position to expose a portion of the top of the ladle, the bearing portions of said supporting trunnions being outwardly of the pivotal connections for the cover arms.

2,134,786
MOTOR
Ivan P. Haring, Houston, Tex., assignor of two-thirds to Thomas L. Cummings of Harris County, Tex.
Application October 27, 1936, Serial No. 107,791
5 Claims. (Cl. 123—119)



1. A motor comprising a cylinder, a piston therein, a pressure drum, a conduit leading from the cylinder to the drum, fuel feeding means, an intake pipe leading from the fuel feeding means into the cylinder, valves controlling said conduit and pipe respectively, means for igniting a charge in the cylinder, a conduit leading from the drum to said feeding means, means for controlling the valves whereby, upon firing of the charge in the cylinder, under power stroke, a portion of the pressure fluid will be expelled from the cylinder and be stored in the drum to maintain pressure therein and upon the beginning of the compression stroke fluid will be forced through said pipe from the drum to feed a charge of motive fluid into the cylinder.

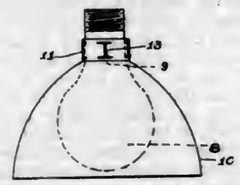
2,134,787
METHOD OF AND APPARATUS FOR PREPARING BEVERAGES
Thomas L. Hartman, Pittsburgh, Pa., assignor of one-third to Harold M. Young, one-third to E. J. W. Keagy, both of Pittsburgh, Pa., and one-third to Reymer & Brothers, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Application March 18, 1935, Serial No. 11,603
17 Claims. (Cl. 62—114)



1. In an apparatus of the kind described, a beverage reservoir, a heat exchange surface forming the bottom thereof, means for forming a frozen layer on said heat exchange surface, a scraper-agitator operating on said surface and releasing soft frozen flakes from the frozen layer thereon and means controllable by the temperature of the beverage in the reservoir for operating the frozen-layer-forming means and said scraper-agitator.

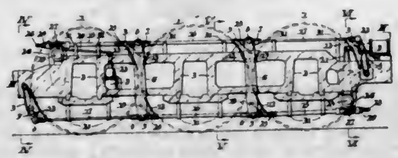
5. A method of conditioning a beverage mixture comprising subjecting a mass of such mixture to a quick freezing at its bottom, breaking up the frozen mixture formed thereby to release soft frozen flakes therefrom and disseminating such flakes throughout the mass until the temperature of the mass is below the melting point of the flakes and until the proportion of flakes in the mass is such that a slushy beverage is produced.

2,134,788
ELECTRIC LIGHT REFLECTOR
Harry F. Hitner, Oakmont, Pa.
Application July 3, 1937, Serial No. 151,853
1 Claim. (Cl. 240—103)



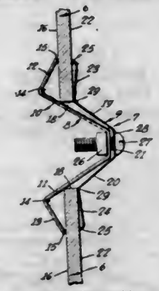
In combination in a reflector adapted to be supported upon an electric lamp, a flared body portion and a neck in the form of a cylinder both of sheet metal, said neck having an internal diameter slightly greater than the diameter of the neck of the lamp to provide a space for ventilation between the neck of the lamp and the neck of the reflector and provided with spaced gripping means formed from the metal of the neck and extending inward past the inner surface thereof and frictionally and yieldingly engaging the lamp neck for a substantial distance therealong, so as to prevent tilting movement of the reflector with respect to the lamp and at the same time permit an adjustment of the reflector longitudinally of the lamp.

2,134,789
BRAKE MECHANISM
Harry A. Hoke, Altoona, Pa.
Application January 8, 1937, Serial No. 119,544
11 Claims. (Cl. 188—46)



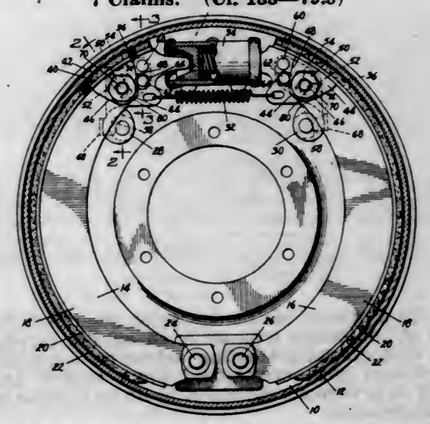
1. In a system of clasp brakes, a vehicle frame supported by wheel and axle assemblies, upper and lower brake rigging associated with said wheels for braking cooperation therewith, said upper brake rigging being attached to said frame, floating hangers pivotally connected to and supported by said upper brake rigging, and lower brake rigging pivotally connected to and supported by said floating hangers, each of said hangers having mounted thereon a pair of oppositely disposed brake clogs.

2,134,790
MULLION CONSTRUCTION
Leslie G. Jost, Los Angeles, Calif., assignor to Consolidated Steel Corp., Ltd., Los Angeles, Calif., a corporation of California
Application August 16, 1937, Serial No. 159,275
3 Claims. (Cl. 108—16)



1. In a mullion construction for supporting glass plates, a backing strip having a substantially W-shaped cross section, the central legs of which diverge relative to each other to provide an apex extending between the edges of adjacent plates and to provide abutments for said plate edges spaced from said apex, the outer legs of which extend toward the plates, each engaging one face of a plate in spaced relation to the edge of said plate; a clamping strip having a substantially W-shaped cross section, the central legs of which diverge to nest with the central legs of the backing strip and the outer legs of which bear upon the outer surfaces of said plates, the junction of the inner and outer legs being disposed substantially in alignment with the line of contact between the plate edges and the central legs of the backing strip, the ends of said outer legs being bent inwardly toward the plane of said plates to engage said plates at the marginal edges of said clamping strip; and clamping means interengaging said strips to draw them toward each other to distort said outer legs of said clamping strip to bear upon said plates at the marginal edges of said strip and at the junction of the outer and central legs with each other.

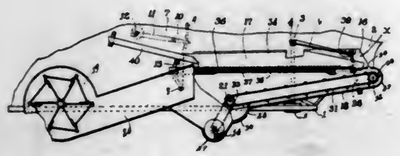
2,134,791
BRAKE
Erwin F. Loweke, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application May 29, 1937, Serial No. 145,483
7 Claims. (Cl. 188—79.5)



1. A brake comprising a friction element, a

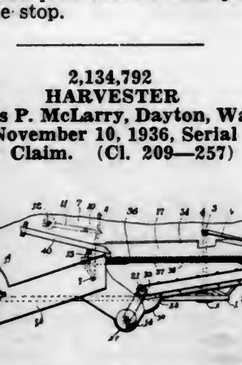
retractile stop associated therewith, a member carried by and movable radially to the element having a part angularly disposed to the path of movement of the member, and a lever carried by the element having a part engaging the angularly disposed part and another part adapted to engage the stop.

2,134,792
HARVESTER
James P. McLarry, Dayton, Wash.
Application November 10, 1936, Serial No. 110,029
1 Claim. (Cl. 209—257)



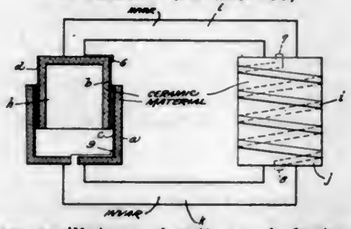
In a harvester, the combination with a levellable and reciprocatable riddle and the grain auger of said harvester, of a transversely positioned shaft operably connected to said auger, a shoe pivotally and levellably mounted on said shaft and comprising side boards extended above said riddle, and a floor board integral with said side boards, said floor board being provided with a curved rearward end terminating in continuation of the comb of said riddle, and provided at its forward end with a curved portion slidingly contacting a like curved lip on the trough of said auger providing therewith a flexible and graintight coupling, and means operable by said transverse shaft to move the grain kernels over the level floor of said shoe and into said auger in synchronized relation with the speed of said auger.

2,134,793
PROCESS OF RECOVERING ALUMINA AND POTASH FROM ALUMINOUS ORES
Ralph McC. Moffat, Pittsburgh, Pa., assignor to Aluminum, Inc., a corporation of Nevada
Application November 4, 1932, Serial No. 641,204
Renewed May 11, 1938
7 Claims. (Cl. 23—141)



2. In a process of the character described, the step of subjecting a spray dried alunite derivative to a cracking roasting action on a surface pre-coated with crystallized alum melted and fused to a vitreous condition in its own water of crystallization.

2,134,794
TEMPERATURE-INDEPENDENT OSCILLATORY CIRCUITS
Herbert Muth and Wilhelm Runge, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application April 19, 1934, Serial No. 721,371
In Germany April 19, 1933
1 Claim. (Cl. 250—40)



In an oscillatory circuit, an inductance coil and a condenser, a plurality of supports said supports being formed of a ceramic material having a very small heat expansion coefficient, said coil comprising a region of conducting material spirally formed on one of said ceramic supports, said other support comprising a plurality of sections, one of the sections having a layer of conductive material placed thereon so as to form one electrode of the condenser while another section is provided with a layer of conducting material to form another electrode of the condenser, means comprising a member of metal alloy having a very small heat expansion coefficient for connecting one of the electrodes of the condenser to one end of said coil, means comprising a substantially similar member for connecting the other electrode of the condenser to the other end of the coil, said last two named members being physically connected to said supports for maintaining the supports in proper space relationship with respect to each other.

2,134,795
MAGNETIC STRUCTURE FOR DYNAMO-ELECTRIC MACHINES
Thomas G. Myers, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif., a corporation of California
Application July 14, 1936, Serial No. 90,556
6 Claims. (Cl. 171—206)

1. A pre-formed top stick for closing the slot in a magnetic structure for dynamo-electric machines, made from a homogeneous mixture of divided particles of magnetic material and a non-metallic binder, and adapted to entirely close the slot.

2,134,796
PIPE CUTTER
Fred N. Osmun, Houston, Tex.
Application October 26, 1937, Serial No. 171,087
9 Claims. (Cl. 164—0.7)

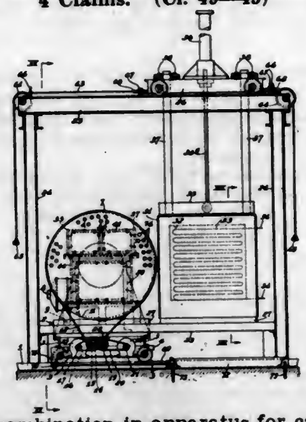
1. A pipe cutter shaped to enter a pipe and comprising a cutter body formed with a chamber

therein and having a cutter guide therethrough, means for anchoring the body to said pipe, a cutter actuator in the body, a cutter working through the guide and connected to the actuator, liquid in the chamber to the pressure of which one



end of the actuator is exposed, an operating string terminating in a piston in the chamber adapted, upon downward movement, to subject said liquid to pressure and means normally tending to hold the cutter retracted.

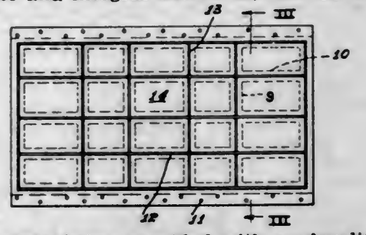
2,134,797
APPARATUS FOR CASE HARDENING GLASS
William Owen, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application March 12, 1932, Serial No. 598,463
4 Claims. (Cl. 49—45)



1. In combination in apparatus for case hardening glass, means for supporting a glass sheet in a vertical plane, a pair of headers mounted for rotation on opposite sides of the plane of support of the glass sheet and each provided with a plurality of outlet passages distributed over the area thereof, arranged in the form of a spiral, means for supplying a fluid under pressure to the headers, and means for rotating the headers.

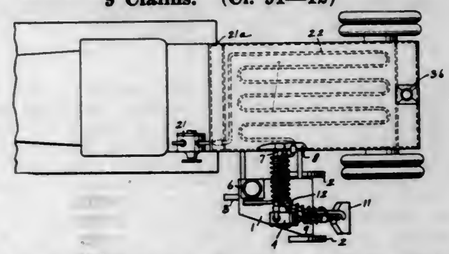
2,134,798
PLATE GLASS SURFACING TABLE
William Owen, Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application March 29, 1938, Serial No. 198,673
3 Claims. (Cl. 51—240)

1. A plate glass surfacing table comprising a metal top plate having a flat upper face and a plurality of intersecting spaced longitudinal and transverse ribs projecting from the lower side of the plate and integral therewith, the upper side



of the plate being provided with a plurality of intersecting longitudinal and transverse slots in line with said ribs dividing the upper face of the table into rectangular sections.

2,134,799
MARKER
Vernia N. Pass, Houston, Tex.
Application May 8, 1936, Serial No. 78,575
9 Claims. (Cl. 91—12)



1. In a device of the character described a nozzle having a chamber for containing liquid, said chamber terminating in a slot forming a discharge opening, said nozzle also having an air chamber terminating in a nozzle opening diverging from the discharge opening, and means for supplying liquid and pressure fluid respectively to said respective chambers.

2,134,800
TREADLE SWITCH
Warren C. Putnam, Los Angeles, Calif.
Application March 21, 1934, Serial No. 716,630
5 Claims. (Cl. 200—86)

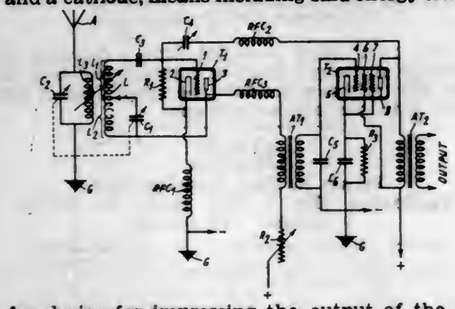


1. A treadle switch comprising a resilient member, a channel in said resilient member, a switch cable comprising a pair of electrical conductors and a sheath inclosing said conductors separably in said channel and an adjustable bridge supporting said resilient member and said cable.

2,134,801
SUPERREGENERATIVE RECEIVER
John L. Reinartz, Manchester, Conn., assignor to Radio Corporation of America, a corporation of Delaware
Application December 31, 1936, Serial No. 118,451
2 Claims. (Cl. 250—20)

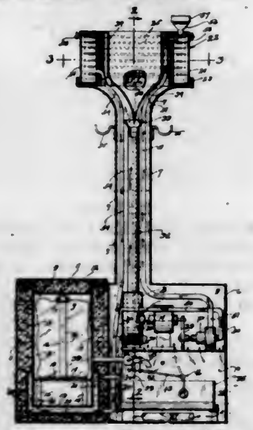
1. In a radio receiver, a signal pick-up circuit, a detector tube provided with an anode, a cathode and a control electrode, means for impressing signals picked up by the pick-up circuit upon the control electrode of said tube, a source of space current for said tube having a positive terminal and a negative terminal, means connecting the

cathode of the tube to the negative terminal of the source including a radio frequency choke coil, means for connecting the anode of the tube to the positive terminal of the source, including a radio frequency choke coil, an energy transfer device and a variable resistor in series, said detector tube being capable of oscillating by virtue of the cathode radio frequency choke and the anode radio frequency choke, the value of the oscillation peak being controlled by means of said variable resistor, an audio frequency amplifier comprising a second tube having an anode, a control electrode and a cathode, means including said energy trans-



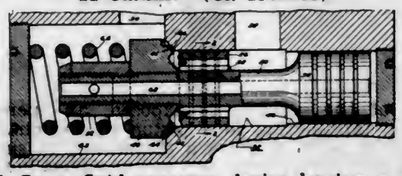
fer device for impressing the output of the detector tube between the control electrode and cathode of said second tube, a source of space current for the second tube having negative and positive terminals, means including a bias resistor for connecting the cathode to the negative terminal of said source, means connecting the anode of the second tube to the positive terminal of the source, and means including a radio frequency choke coil and a variable condenser in series for connecting the anode of the second tube to the control electrode of the detector tube, said last named connection being adapted to feed inaudible alternating voltages from the output of the second tube to the input of the first tube, the amplitude of said voltages being controlled by the said last named variable condenser, and means for utilizing the output of the second tube.

2,134,802
AIR CONDITIONING DEVICE
Frank B. Rentz, Wells, Minn.
Application May 27, 1937, Serial No. 145,089
16 Claims. (Cl. 62—134)



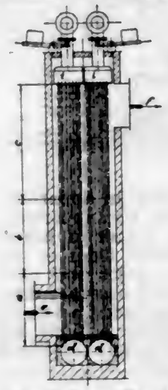
3. A heat exchange unit comprising a plurality of similar separable segmental sections, each of said sections comprising a pair of spaced tanks and a plurality of heat exchange conduits connecting said tanks and spaced to afford air passages therebetween, said sections being arranged substantially to form an annulus, one tank of each section being provided with an inlet and the other tank of each section being provided with an outlet, said segmental sections being independently formed and separable.

2,134,803
RELIEF VALVE FOR POWER TRANSMISSIONS
Edwin L. Rose, Watertown, Conn., assignor to The Waterbury Tool Company, Waterbury, Conn., a corporation of Connecticut
Application November 6, 1936, Serial No. 109,553
11 Claims. (Cl. 137—53)



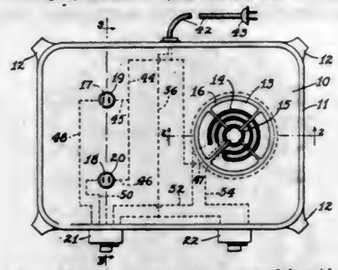
11. In a fluid pressure device having a high pressure conduit, means forming a conduit through which pressure fluid may be relieved from the first conduit to a point of lower pressure, a poppet valve normally closing said last conduit and having a head subject to pressure tending to open the valve, an opposed balancing piston connected with the head and subject to pressure tending to close the valve, and means for balancing the velocity pressure drops effective at the valve head at any degree of opening.

2,134,804
AIR HEATER FOR BLAST FURNACES
Alfred Schack, Meerbusch, near Dusseldorf, Germany, assignor to Rekuperator G. m. b. H., Dusseldorf, Germany
Application January 25, 1937, Serial No. 122,329
In Germany January 28, 1936
3 Claims. (Cl. 263—20)



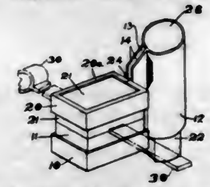
1. A tubular air heater for blast furnaces in which steel tubes are used whose heated ends are exposed to high temperatures, wherein for the purpose of protecting such tubes against distortion and creeping in service the air-capacity of the air heater is made up of a large number of tubes which are provided of a heat-resisting steel and with an internal diameter that is only about 40 mms. or under.

2,134,805
ELECTRIC TRAY
Edson O. Sessions, Chicago, Ill.
Application January 5, 1937, Serial No. 119,129
5 Claims. (Cl. 219—19)



1. In an electric tray, the combination of a body portion, an electrical heating element mounted in said body portion, electrical utensil outlet sockets spaced from each other and from said heating element and mounted in said body portion, said body portion being hollow, an electrical connection cord extending from said tray, selective switching mechanism carried by said tray, and electrical conductors in said body portion and connecting said sockets and said heating element with said cord and with said switching mechanism, whereby said sockets and said heating element may be selectively connected with said cord by said switching mechanism, said heating element including a low heat portion for connection with said cord independently of said selective connection.

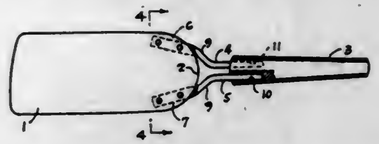
2,134,806
OIL GAUGE ROD WIPER
Philip J. Shough, West Brighton, Staten Island, N. Y.
Application September 20, 1937, Serial No. 164,641
4 Claims. (Cl. 15—210)



1. An oil gauge rod wiper comprising a jaw element having wiper material on the face thereof, a tubular member having an open side bounded with flanges attached on the side of said jaw element with the axis of said member extending at right angles to the plane of the face of said jaw element, a complementary jaw element opposed to said jaw element and having wiper material on the face thereof engageable flat against the wiper material of said jaw element, a tubular member having a flange at one side extending between said flanges and connected with said complementary jaw element, said tubular members being axially and telescopically engaged with each other, and resilient means acting between said tubular members for urging said jaws together.

2,134,807
SPATULA
Stover C. Winger, Los Angeles, Calif., assignor to Guy H. Hall, Los Angeles, Calif.
Application July 7, 1936, Serial No. 89,329
4 Claims. (Cl. 294—7)

1. In a device of the character described, a blade made from thin resilient material, and a handle structure attached to the blade adjacent one end thereof, comprising, a pair of tangs respectively adjacent opposite edges of the blade



and fastened thereto, and means to so maintain the ends of the tangs as to constrain the blade at the handle end in an arched position.

2,134,808
WELL SURVEYING DEVICE
William E. Winn, Dallas, Tex., assignor, by mesne assignments, to Sperry-Sun Well Surveying Company, Philadelphia, Pa., a corporation of Delaware
Application September 11, 1929, Serial No. 391,723
14 Claims. (Cl. 33—205.6)

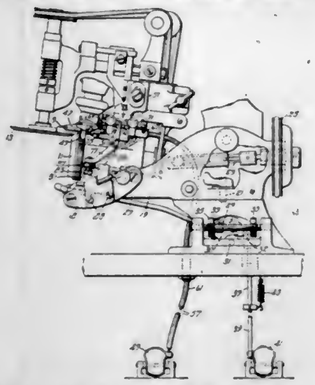


1. A well surveying device adapted to enter a bore hole including a chamber adapted to contain a supply of liquid, a record chamber containing a surface adapted to be marked by the liquid, means for controlling flow of liquid from the first mentioned chamber into the record chamber, and means for indicating the orientation of the device when a record is made, said means including a compass rendered free to rotate by action of the liquid and subsequently held in its assumed position.

2,134,809
SKIVING MACHINE
Charles C. Bell, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 17, 1937, Serial No. 180,414
10 Claims. (Cl. 69—16)

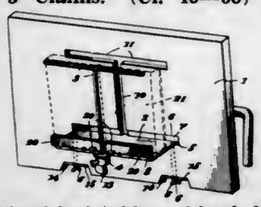
1. A skiving machine having, in combination, a knife member, a feed roll member, an edge guide movable longitudinally of the feed roll member to vary the width of the scarf produced, a carrier for one of said members angularly adjustable to vary the inclination of the scarf produced, and means for moving the edge guide, said means comprising

a lever pivoted to the carrier and means re-



sponsive to angular movement of the carrier for swinging the lever about its pivot.

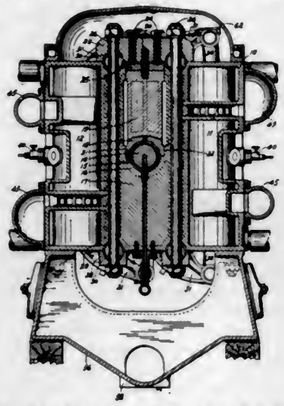
2,134,810
COMBINED BED TABLE AND BOOK HOLDER
William J. Boyle, New York, N. Y.
Application December 29, 1936, Serial No. 118,041
5 Claims. (Cl. 45—58)



1. A combined bed-table and book-holder comprising a supporting surface adapted to act as a book-holder in inclined position and as a table in horizontal position, a shelf, means at the lower edge of said supporting surface for mounting said shelf for sliding movement perpendicularly to said supporting surface into adjusted position relative thereto, means for holding said shelf in said adjusted positions, a book-engaging lip at the front edge of said shelf, a book-holder overlying said supporting surface, means mounting said book-holder on said shelf, said book-holder including means for holding the central portions of a book, and means for holding the upper leaves of a book extended for reading and grooves in said supporting surface corresponding to said shelf, said lip, and said book-holder, whereby in the inwardmost adjustment of said shelf, said lip, and said book-holder will be substantially embedded in said supporting surface, providing an unobstructed table surface.

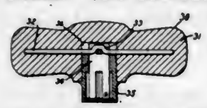
2,134,811
INTERNAL COMBUSTION ENGINE
Harold D. Church, Cleveland Heights, Ohio
Application January 9, 1936, Serial No. 58,370
14 Claims. (Cl. 123—51)

1. An internal combustion engine of the opposed piston type comprising, a pair of cylinders disposed in spaced relation, a crank shaft intermediate said cylinders, a pair of opposed crank pins in said shaft, a pair of connecting rods on each of said crank pins, oppositely disposed rocker arms mounted adjacent the ends of said cylinders and connected with said connecting rods, said rocker arms having fluid passages therein, pistons having chambers therein in said cylinders, links connecting said pistons with the opposed ends of said rocker arms, bosses in said rocker arms having openings therein connected with said fluid passages, bosses in said pistons having openings therein connected with said



chamber in said pistons, a pair of tubes one telescopically engaged upon the other, spherical heads on the outer ends of said tubes, and spring means associated with said tubes to maintain said spherical heads in self sustained engagement with the respective openings in said piston and said rocker arm.

2,134,812
VALVE HANDLE
Herman E. Dick, Chicago, Ill.
Application March 12, 1937, Serial No. 130,516
1 Claim. (Cl. 16—117)

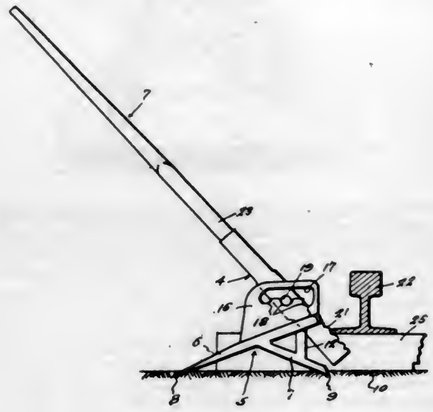


A valve handle including a body having radially extending hand engaging members thereon, a plurality of wires arranged in said body and intersecting at the center thereof, said body having an open ended recess therein, said wires crossing within said recess, a sleeve in said recess, said sleeve having notches thereon engaging said wires to prevent relative rotation between the sleeve and wires, and means on the sleeve to engage a valve stem.

2,134,813
TRACK ALIGNING TOOL
Sam Difiglia, Kankakee, Ill.
Application July 1, 1937, Serial No. 151,503
1 Claim. (Cl. 254—44)

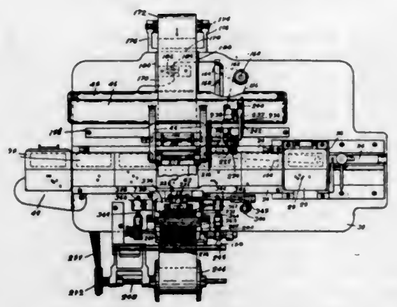
In a track aligning tool of the character described, a stand comprising an inclined body member tapering toward its lower edge into a sharp ground-penetrating edge, said body member having integral therewith intermediate its upper and lower ends a forwardly sloping inclined body portion, the first mentioned body member at its upper edge, and said forwardly sloping inclined body portion, respectively, being notched to accommodate a tool-head, said forwardly sloping inclined body portion having its lower edge at opposite sides of the notch sharpened to present ground-penetrating edges, perpendicular braces integral with said forwardly

sloping inclined body portion, and the upper end portion of the first mentioned body member at opposite sides of said notches, and the first mentioned body member at opposite sides of the notch therein with upstanding flanges, said flanges being provided with slots and notches in



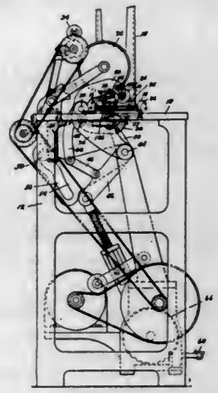
the lower edges of the slots for accommodating a pivot member for a tool-head, and said body member and forwardly sloping inclined portion, respectively, at the inner ends of said notches being beveled to allow for maximum swinging movement of a tool-head.

2,134,814
ADDRESSING AND TABULATING MACHINE
Harmon P. Elliott, Watertown, Mass.
Application September 14, 1935, Serial No. 40,609
34 Claims. (Cl. 101—58)



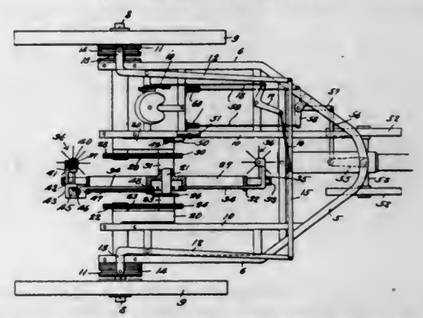
1. An addressing machine comprising means for advancing a succession of address bearing devices to an addressing position, said devices having selectively positioned print-controlling means the position of which denotes a selected item of information, addressing mechanism operable upon said devices in said printing position to record the addresses thereof, and printing mechanism having means for printing variable data directly controlled by the print-controlling means of the addressing devices for effecting the printing of the items of information denoted by the positions of said print-controlling means upon the same record sheets with the addresses of the devices.

2,134,815
PRINTING
Harmon P. Elliott, Watertown, Mass.
Application March 20, 1936, Serial No. 69,803
18 Claims. (Cl. 101—58)



1. The method of rendering available statistical items which consists in coding such items, applying the code to a printing device bearing an address associated with the statistics, printing the address borne by the printing device from the address onto a sheet and also directly recording on the sheet selected code items carried by the printing device.

2,134,816
THINNING AND WEEDING MACHINE
Andy M. Fetters, Payette, Idaho
Application March 8, 1938, Serial No. 194,681
10 Claims. (Cl. 97—12)

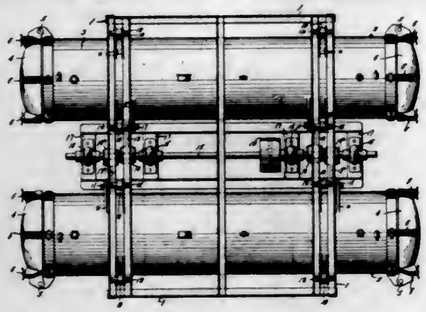


1. In a machine of the class described, a wheel-supported frame, a thinning wheel mounted within the frame, a plurality of rotary thinning members mounted on the wheel, means for operating the thinning wheel and thinning members simultaneously, and means for holding the thinning wheel against rotary movement and rotating the thinning members.

2,134,817
RECIPROCATING COOKER
Frank Gerber, Fremont, Mich., assignor to Gerber Products Company, a corporation of Michigan
Application September 26, 1934, Serial No. 745,638
9 Claims. (Cl. 126—272)

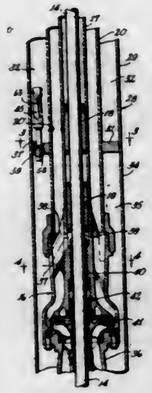
1. A sterilizing device comprising a retort pivotally hung upon a supporting member, means for

introducing a sterilizing medium to the retort and means for imparting a limited swinging



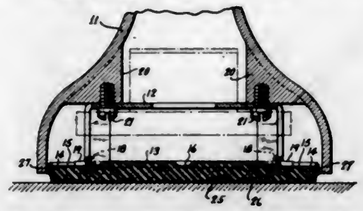
movement to the retort in substantially only a horizontal plane.

2,134,818
AUTOMATIC OIL RETURN SYSTEM FOR TURBINE PUMPS
James M. Hait, Los Angeles, Calif., assignor to Food Machinery Corporation, a corporation of Delaware
Application March 27, 1937, Serial No. 133,372
11 Claims. (Cl. 103—102)



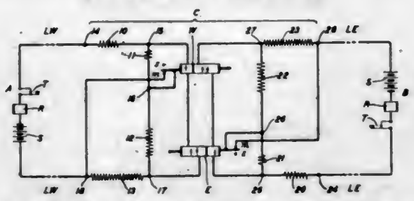
1. For use in combination with a well turbine pump having a bowl assembly, a line shaft, a shaft-enclosing tubing adapted to receive a lubricant at its upper end, and a delivery pipe enclosing said tubing, a lubricant accumulator and separator means comprising: casing means forming a closed upper chamber and a lower chamber open to the well at a point below the well liquid level when the pump is operating, said lower chamber communicating with the interior of said shaft-enclosing tubing; said delivery pipe having a port in the region of the lower portion of said upper chamber to communicate said upper chamber with the delivery pipe, said port being below the liquid level in the upper chamber when the pump is not operating; conduit means connecting the upper portion of the upper chamber with the surface of the ground; and a normally open valve between said chambers adapted to be closed by the pressure in the upper chamber when the pump is operating.

2,134,819
BASE FOR POWERED APPARATUS
James L. Hamilton, Richmond Heights, Mo., assignor to Century Electric Company, St. Louis, Mo., a corporation of Missouri
Application March 5, 1936, Serial No. 67,210
4 Claims. (Cl. 248—22)



3. In a vibration damping base assembly for a powered device a bearing plate of sheet metal provided with a depending marginal flange and widely spaced depressed portions of limited area a highly elastic rubber pad of uniform thickness subjacent said plate extending below the lower extremity of said flange said pad being of greater thickness than the depth of the depressed portions of said plate and being adapted to be compressed by the weight of the device into full surface supporting engagement with said plate, a fabric cover stretched across the under surface of said pad a securing band for said cover embracing marginal portions thereof and said plate flange, and a base bracket for securing said bearing plate to a powered device.

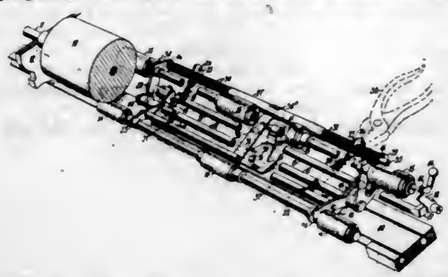
2,134,820
TELEGRAPH REPEATER
Frank H. Hanley, Butler, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application July 9, 1937, Serial No. 152,818
19 Claims. (Cl. 178—71)



1. A two-way telegraph repeating system comprising two line circuits, repeating contacts in each line circuit for varying the respective line currents in repeating of signals, winding means connected to said line circuits for operating said contacts in opposite directions as signals are incoming over one or the other of said line circuits, said winding means remaining connected to said line circuits irrespective of the operation of said contacts.

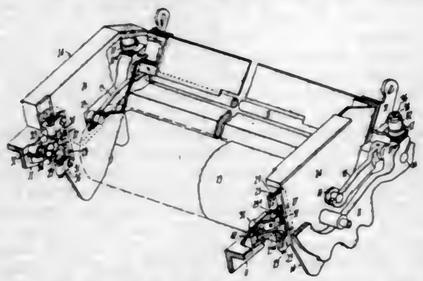
2,134,821
TYPEWRITING MACHINE
William F. Helmond, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application August 15, 1935, Serial No. 36,272
14 Claims. (Cl. 197—138)

2. In a typing machine, the combination of a revoluble platen, two feed-roll sets spaced circumferentially of the platen, an individually pressible, supporting device for each feed-roll set for pressing the latter against the platen, a spring connected across the two feed-roll-supporting devices for pressing both of said feed-roll devices jointly, by spring-flexing pressure applied transversely of



said spring at a point intermediate of its connections to said feed-roll-supporting devices, and means operable at will for applying and removing said spring-flexing pressure.

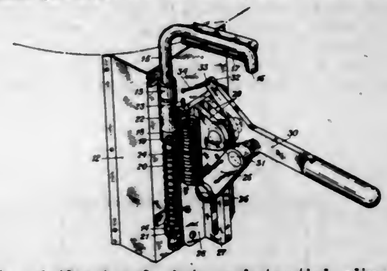
2,134,822
TYPEWRITING MACHINE
William F. Helmond, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application January 30, 1936, Serial No. 61,467
4 Claims. (Cl. 197—81)



4. In a typewriter or the like; a stop device, usable for quietly arresting the opposite relative case shift movements of the platen and types, including a pair of opposite abutments, counter-stop means presenting two individually resilient extensions between, and engageable each with a companion one of said abutments, and a projection on one of the extensions projecting toward the other extension so that either extension may stub against the other extension for limiting the flexing movement of either extension at its impact with its abutment, said extensions jointly resisting said impact when one stubs against the other.

2,134,823
LADDER HOLDER
Charles Stephan Herrmann, Morristown, and Frank Joseph Ott, Newark, N. J., assignors to American Telephone and Telegraph Company, a corporation of New York
Application January 28, 1938, Serial No. 187,492
4 Claims. (Cl. 248—361)

3. The combination with a support for ladders, a hook member associated with the support and adapted to clamp the ladder in place thereon, means including a lever having a toggle connection with said hook member and so arranged that when the lever is moved to break the toggle the hook will be released, but when the lever is in such position as to bring the three pivotal



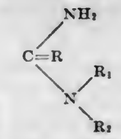
points of the toggle into substantial alinement the hook will be locked over the ladder.

2,134,824
PROCESS OF TREATING HYDROCARBONS
William G. Hiatt, Bartlesville, Okla., assignor to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware
No Drawing. Application May 9, 1935, Serial No. 20,702
6 Claims. (Cl. 196—27)

4. In a process for the treatment of petroleum oils which comprises passing a mixture of vaporized fractions thereof having a normal mean boiling temperature above 600° F. in contact with a catalyst of the clay type maintained substantially at said mean boiling temperature by the temperature of the vapors passing therethrough, the improved method of minimizing condensation of said vapors during said treatment by diluting said vapors with an inert gas heated to substantially said mean boiling temperature.

2,134,825
CHEMICAL PROCESS
Julian W. Hill and Ralph A. Jacobson, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 30, 1937, Serial No. 161,694
20 Claims. (Cl. 260—10)

1. A process for preparing novel nitrogen-containing derivatives of cellulose which comprises reacting cellulose with a urea of the formula

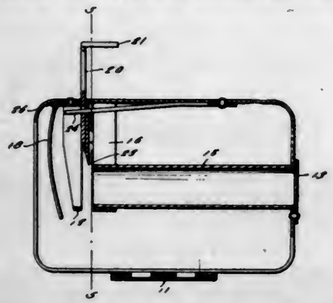


wherein R is a member of the group consisting of oxygen and sulfur, R_1 and R_2 are of the group consisting of hydrogen, alkyl groups of less than five carbon atoms, and hydroxyalkyl groups of less than five carbon atoms, and wherein R_1 and R_2 may be the same or different radicals, and continuing the reaction until a product soluble in dilute caustic soda is formed.

2,134,826
POCKET TYPE CIGARETTE EXTINGUISHER
Henry P. Hoffman, Preston, Iowa
Application October 4, 1937, Serial No. 167,276
3 Claims. (Cl. 206—41)

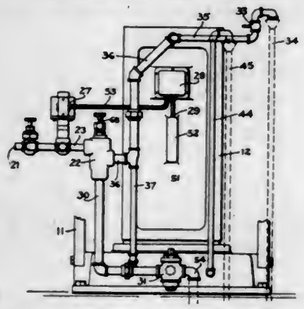
1. A device of the class described comprising a casing, a cigarette receiving tube in said casing and having one end opening out through a wall

of the casing, a door for closing said end, a U-shaped stirrup supported in the casing and having its bight located in alignment with the tube and spaced from the inner end thereof, a knife including a stem and a blade, another wall of of the casing having a slot therein through which



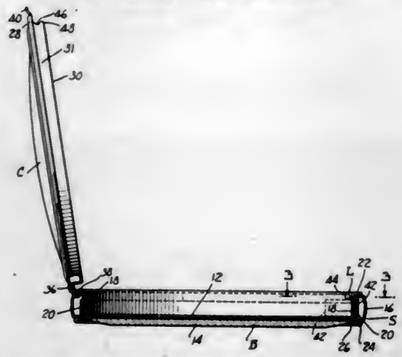
the stem passes, said blade entering the space between the stirrup and the inner end of the tube when the stem is pressed inwardly, a spring for normally holding the blade and stem in their outward position, and means for holding the stem and blade in their inward position and against the action of the spring.

2,134,827
STEREOTYPE PLATE CASTING MOLD
William F. Huck, Richmond Hill, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application July 10, 1935, Serial No. 30,641
11 Claims. (Cl. 22—4)



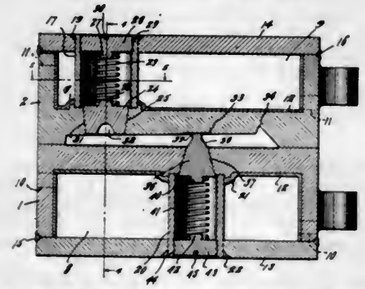
10. A mold for casting sterotype printing plates including a chamber for mold-cooling liquid, a mixing valve having a casing, an injector nozzle within the casing and having a discharge terminal, a supply conduit communicating with a source of cool supply liquid under pressure and the nozzle to supply cool liquid under pressure into the nozzle, an injector chamber within the casing and communicating with the discharge terminal of the nozzle, circulating conduits communicating with the said mold-cooling chamber and the injector chamber to form therewith a closed liquid circulating system whereby the discharge of cool supply liquid under pressure from the discharge terminal of the nozzle through the injector chamber creates a partial vacuum in the injector chamber to draw therein the warm liquid from the mold-cooling chamber and the force of the cool supply liquid in discharging under pressure from the discharge terminal of the injector nozzle circulates the mixed cool and warm liquids through the said entire closed circulating system to cool the mold, and means interposed between the mold and the said injector chamber for discharging surplus warm liquid from the circulating system.

2,134,828
SPRING LOCK
Max Kaplan, New York, and George Rosenberg, New Rochelle, N. Y.
Application June 5, 1937, Serial No. 146,622
8 Claims. (Cl. 220—55)



1. A small pocket case such as a vanity case, cigarette case or the like, comprising a body member having bottom and side walls, the side wall including an outer finishing member and an inner or lining member, a cover hingedly connected to the side wall, and lock means for holding the cover in closed position, said lock means including a leaf spring disposed in the casing wall in a space formed between the outer finishing member and the inner lining member of said wall, and a detent member connected with said leaf spring member and projecting inwardly through the inner or lining member into mating cooperation with a recess or undercut on the cover, said detent and undercut being so relatively shaped that the cover may be pulled open or snapped closed, the necessary movement of the detent being accommodated by the leaf spring.

2,134,829
MOLD
Henry E. McWane, Lynchburg, Va.
Application November 30, 1935, Serial No. 52,432
Renewed March 25, 1938
10 Claims. (Cl. 22—136)

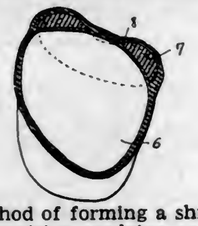


1. A permanent mold construction for relieving strains in castings comprising a tapered movable mold section adapted to form a protrusion on the casting, said section being adapted to give in the direction of strain set up by reason of temperature changes in the casting.

2,134,830
PROCESS OF PRODUCING CORROSION RESISTANT COATINGS ON MAGNESIUM AND HIGH PERCENTAGE MAGNESIUM ALLOYS
Josef Martin Michel, Bitterfeld, Germany, assignor, by mesne assignments, to Magnesium Development Corporation, a corporation of Delaware
No Drawing. Application August 21, 1937, Serial No. 160,272. In Germany September 4, 1936
5 Claims. (Cl. 148—6)

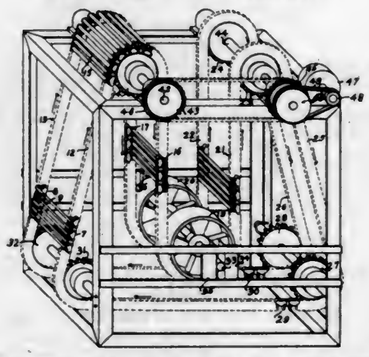
1. Process of producing corrosion resistant coatings on magnesium and high percentage magnesium alloys by a treatment with a solution of between about 0.1 and about 1 percent of chromic acid in water, and containing an ion selected from the group consisting of chloride and sulphate ions in an amount approximately equal to the content of such ion in ordinary tap water.

2,134,831
BUNION PAD
Cecil L. Moon, Marshalltown, Iowa
Application April 2, 1937, Serial No. 134,615
2 Claims. (Cl. 128—153)



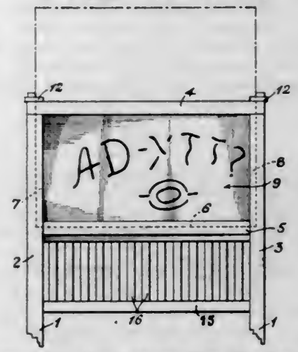
1. The method of forming a shield of the class described comprising applying coatings of liquid rubber to the affected parts at successive intervals to form built up layers of material, positioning a flexible pad upon the layers of material thus formed and applying an outer coating of liquid rubber over said pad and said inner coating to secure said pad in position thereto.

2,134,832
CONVEYER
John R. Morrison, Hudson, Ohio
Application November 16, 1936, Serial No. 111,047
31 Claims. (Cl. 198—131)



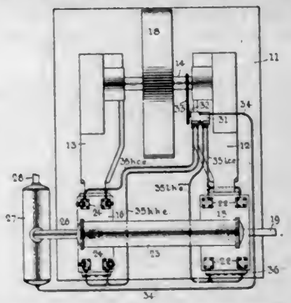
1. A chain link constructed for pivotal connection with adjacent links, a pair of projections extending from the link, each projection being inclined from perpendicular relation to the plane of the pivot axes toward the other projection, the projections being arranged so that one follows the other through a path of travel each projection presenting a face adapted to conform to and engage with the face of the proximate projection of an adjacent pivotally connected link, such engaging faces predetermining a substantially invariable angle of tilt between the pivotally connected links.

2,134,833
DISPLAY SIGN
Philip Morton, Cincinnati, Ohio
Application August 19, 1937, Serial No. 159,898
1 Claim. (Cl. 40—64)



In a support for reversible display panels, a base, a frame supported by said base including a pair of spaced vertical frame members and upper and lower spaced horizontal frame members, the vertical frame members and lower horizontal frame members being rabbeted at their inner faces, to receive said display panels, the upper horizontal frame member being formed with an elongated slot for inserting and removing said panel, and caps on the ends of the vertical frame member having slots extending outwardly from their inner faces, the side wall of which registers with the wall of the slot formed in the upper horizontal member and define the extremities of said slot.

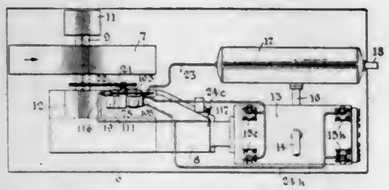
2,134,834
COMPRESSOR
Bruno V. E. Nordberg, Milwaukee, Wis., assignor to Nordberg Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application November 13, 1935, Serial No. 49,624
Renewed October 29, 1937
28 Claims. (Cl. 230—26)



1. The combination of a compressor of the expansible chamber type adapted to perform successive operating cycles; an unloading device having two positions, in one of which it renders the compressor inoperative and in the other of which it renders it operative; means biasing said un-

loader toward one of said positions; a pressure motor serving when energized to shift said unloader to the other of said positions; an impulse piston actuated in timed relation to the cycles of the compressor; means establishing a fluid pressure transmitting connection between said impulse piston and said pressure motor; and adjustable means for venting said connection throughout a variable portion of the displacing stroke of said impulse piston.

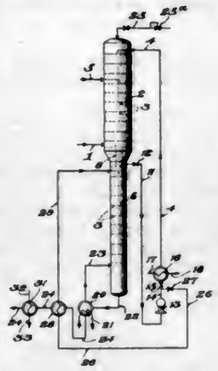
2,134,835
COMPRESSOR UNLOADER
Bruno V. E. Nordberg, Milwaukee, Wis., assignor to Nordberg Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application October 9, 1937, Serial No. 168,266
14 Claims. (Cl. 230—31)



1. The combination of a compressor having successive operating cycles, each comprising a suction stroke and a displacement stroke; liquid displacing means for generating successive hydraulic pressure impulses, one for each cycle, said means being capable of developing impulses of uniform duration and at least as long as the duration of the displacement stroke; means for varying the timing of said impulses with reference to the timing of the displacement stroke, whereby the impulses start at variable points in the displacement strokes; and means subject to such impulses for unloading the compressor during the displacement stroke until such impulse is initiated and for thereafter loading the compressor throughout the remainder of such stroke.

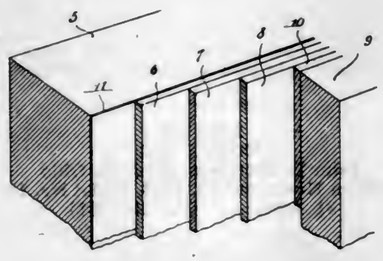
2,134,836
VAPOR-FEED CONDENSER AND STABILIZER
Povl Ostergaard, Mount Lebanon, Pa., assignor to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 3, 1936, Serial No. 103,947
Renewed July 21, 1938
4 Claims. (Cl. 196—11)

1. The method of recovering stabilized motor fuel from a vaporous mixture containing vapors of normally liquid gasoline-like components in admixture with vapors of lower-boiling hydrocarbons and fixed gases but substantially free from constituents of higher boiling point than gasoline, which comprises delivering said vaporous mixture at a temperature substantially above atmospheric and under a high pressure into a rectifying column and therein cooling said mixture to condense unstabilized higher-boiling components of said mixture, withdrawing from said column a portion of said unstabilized condensed components, cooling said portion to a temperature substantially below that of the vaporous mixture entering the column and returning it to the upper part of said column as a cooling, condensing and refluxing medium, passing the remaining portion of said unstabilized condensed components downward through a second rectifying column and applying heat thereto to reboil and stabilize the same, passing the vapors thereby



evolved into said first-mentioned column, withdrawing uncondensed gases and vapors from the top of said first-mentioned column and withdrawing stabilized condensate from the bottom of said second column.

2,134,837
PROTECTIVE COATING
Claron R. Payne, Allentown, Pa., assignor to The Atlas Mineral Products Company, Mertztown, Pa,. a corporation of Pennsylvania
Application September 20, 1937, Serial No. 164,788
7 Claims. (Cl. 72—14)

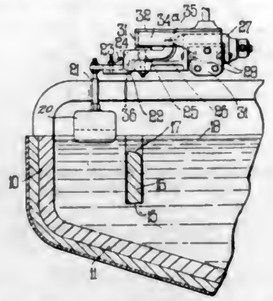


7. A protective coating, comprising a pair of layers of acid and liquid resisting substance of substantial thickness, a rigid acid proof cement layer interposed between said layers, and the substance of said acid resisting material being plastic over a temperature range to the maximum temperature to which the coating will be subjected in use.

2,134,838
SKIMMING DEVICE FOR GLASS TANKS OR FURNACES
Thomas Finney Pearson, Pontefract, England, assignor to Crown Cork & Seal Company, Inc., New York, N. Y., a corporation of New York
Application April 29, 1937, Serial No. 139,805
In Great Britain May 2, 1936
8 Claims. (Cl. 49—56)

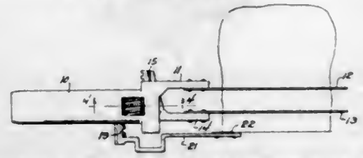
1. Apparatus for conditioning glass in a forehearth comprising a refractory bridge spaced rearwardly from the front wall of the forehearth and

extending transversely thereof with its base above the forehearth floor to form a channel therebetween and with its upper end below the normal level of glass within the forehearth, a skimmer and means for transversely displacing said skimmer through said glass between said refractory



bridge and the front wall of said forehearth to skim the surface of the said glass in front of said bridge and for changing the direction of movement of said skimmer near the end of its skimming stroke to cause the skimmed glass to pass over said bridge.

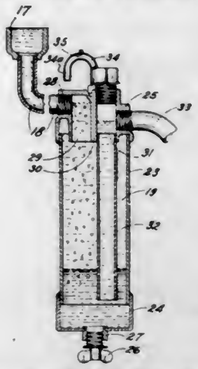
2,134,839
ADJUSTABLE KNIFE
James H. Perkins, Winchester, Ky.
Application January 5, 1937, Serial No. 119,162
1 Claim. (Cl. 30—304)



A knife of the kind described comprising a pair of spaced parallel blades, carriers for the blades interfitted with each other, one of said carriers formed with a rack, a finger wheel mounted within the other carrier and threadedly engaging said rack for effecting adjustment of the blades with relation to each other, and a gage having a rack coacting with said wheel and adjustable thereby.

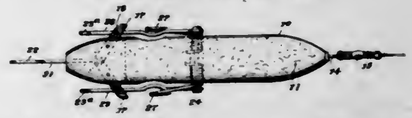
2,134,840
WATER SEPARATOR
Eldon K. Ralston, Cleveland, Ohio, assignor to Circo Products Company, Cleveland, Ohio, a corporation of Ohio
Application June 25, 1936, Serial No. 87,232
2 Claims. (Cl. 210—54)

1. A water separator for the condensate of a vaporous solvent in a degreasing plant of the class described comprising, a closed ended cylinder having an alkaline solution therein, an inlet conduit in fluid communication with the degreasing plant and the upper portion of said cylinder, a tube in said cylinder depending from the upper portion thereof and terminating adjacent the bottom of the cylinder, an outlet conduit in fluid communication with the upper portion of said tube and connected with said degreasing plant for the return of the portion of the condensate which settles at the bottom of said cylinder, a waste pipe in said cylinder superjacent said outlet conduit, a valve in the mouth of said waste pipe, a float therein adapted to open and close communication to said pipe, said float being made of a material which is buoyant in said condensate but not buoyant in water whereby egress of the



portion of the condensate from which the water is divided will be restrained through said valve.

2,134,841
ARTIFICIAL FISHING BAIT
Walter Reese, Gary, Minn.
Application July 15, 1936, Serial No. 90,763
Renewed March 28, 1938
4 Claims. (Cl. 43—36)

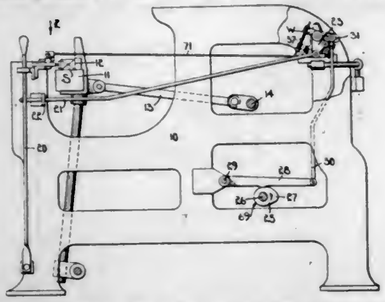


1. An artificial bait comprising a body slotted at one end, a pair of diverging latching links slidably mounted within said slotted end and movable to and from an extended position beyond the sides of said body, a bait hook connected to said links for drawing said links to a position within said body when said bait hook is engaged by a fish, jaw-engaging hooks pivotally mounted upon said body and engageable by said latching links when said latching links are in an extended position for holding said jaw-engaging hooks longitudinally of said body and in a shielded position, and spring means engaging said jaw-engaging hooks for automatically swinging said last mentioned hooks outwardly when released by said latching links whereby said last mentioned hooks will engage the jaws of a fish and firmly hold the fish in snared engagement.

2,134,842
WEFT CONTROLLED LOOM STOPPING MECHANISM
John Regan, New Bedford, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application January 17, 1938, Serial No. 185,321
9 Claims. (Cl. 139—370)

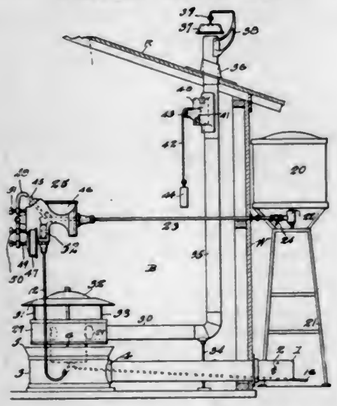
1. In loom stopping mechanism, a stop motion having a regularly moving part and effective to stop the loom when the motion of said part is interrupted, weft detector mechanism having an indicating motion when detecting a substantially exhausted supply of weft, a controller connected to and deriving motion from said part and moving in a path having two extremes, and an interrupter normally out of said path to be moved by the detector when indicating weft exhaustion into said path at a point adjacent to an extreme

of said path, the interrupter thereby preventing



motion of said part to cause the stop motion to stop the loom.

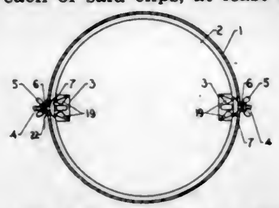
2,134,843
TOBACCO CURING SYSTEM
William C. Rouse, Baltimore, Md., assignor of one-half to Irving G. McCloskey, Baltimore, Md.
Application November 5, 1937, Serial No. 173,033
1 Claim. (Cl. 34—19)



In a tobacco curing house, a combination with a plurality of separate individually controlled oil heating units, said heating units including a permanently closed chamber within which the oil is burned for preventing the oil fumes from entering the said house, a chimney for conveying said fumes from the said heating units to the exterior of said house, a plurality of relatively large air ducts spaced about and adjacent the floor of said house having their inlets on the exterior thereof and their outlets arranged to discharge air upwardly around said heating units, control means associated with the air ducts for regulating the discharge of air through said ducts, and means adjacent the upper portion of said house for conveying the heated air out of the upper area thereof.

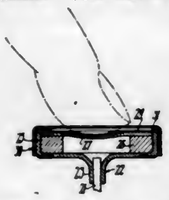
2,134,844
DAMPER AND DAMPER-CLIP CONSTRUCTION
Elmer G. Schartow, Midland, Mich.
Application July 28, 1937, Serial No. 156,108
14 Claims. (Cl. 126—292)

3. In a damper of the character described, the combination which comprises a damper blade, two damper clips, said damper clips being placed on opposite edges of said damper blade, rivetless means for fastening said damper clips to said damper blade, threaded pivot members projecting from each of said clips, at least one of said



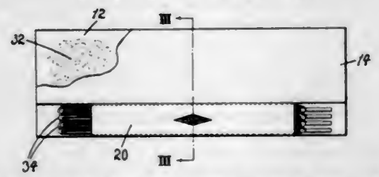
pivot members being flat sided, a handle engaging said flat sided pivot member, and means threadedly engaging each of said pivot members and adapted for clamping the damper blade in place when installed in a suitable duct.

2,134,845
TYPEWRITING MACHINE
Jesse A. B. Smith, Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application December 21, 1935, Serial No. 55,503
4 Claims. (Cl. 197—103)



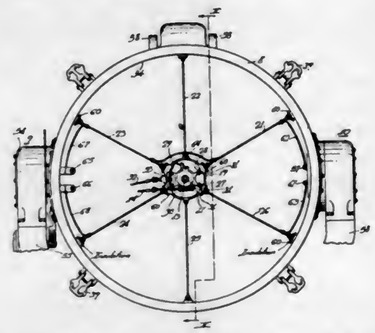
1. A key for use with a typewriter, comprising in combination, a circular-edge cup, said cup having provision for mounting on a key-lever, a circular composite key-disk including a character bearing disk united to a circular transparent disk, said transparent disk projecting beyond the border of the character-bearing disk, to form an annular brim portion of the composite disk, annular means within said cup underlying said character disk for supporting the same at its border only, said brim resting upon the circular edge of said cup, and a removable annular metal cap fitting on, and pinching said brim down upon the edge of, said cup to clamp the same against accidental rotation with respect to said cup.

2,134,846
DISPLAY DEVICE
Meyer M. Soybel, Brooklyn, and Thomas B. Lamb, Scarsdale, N. Y., assignors to Shoe Lace Company, Portland, Maine, a corporation of Maine
Application June 30, 1936, Serial No. 88,164
3 Claims. (Cl. 206—78)



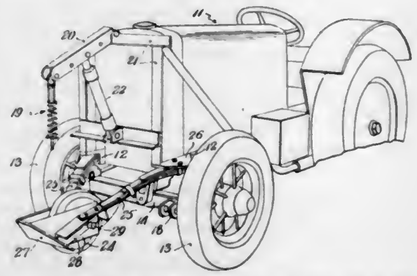
1. A display device formed from sheet material shaped and bent to form a body portion, a flap, a neck portion of less width than the body portion connecting the body portion and the flap and extending outwardly from an edge of the body portion then laterally across a part of the face of the body portion and then inwardly to the body portion thereby to form therewith an open-ended receptacle of less width than the body portion, and means for securing the flap to the body portion.

2,134,847
SEARCHLIGHT
Irvine A. Yost, Lakewood, Ohio, and William H. Jacobi, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 30, 1935, Serial No. 47,446
10 Claims. (Cl. 176—51)



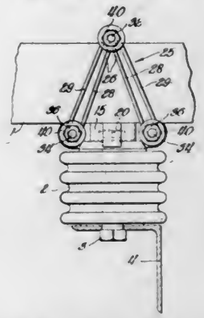
1. A searchlight comprising a drum, a transparent cover therefor comprising a plurality of segments of transparent material, an arc head mechanism, and a plurality of radially disposed members for supporting the arc head mechanism from the sides of the drum, said radially disposed members being positioned directly opposite the joints between the transparent segments of the cover.

2,134,848
TRACTOR PLOW
Lloyd D. H. Anderson, Wellesley, Mass.
Application November 16, 1937, Serial No. 174,821
4 Claims. (Cl. 37—42)



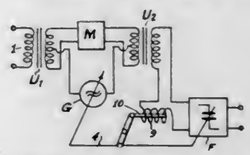
1. Lifting mechanism for plows having a scraper mounted in front of a vehicle, comprising a rubber-tired roller disposed between the scraper and the front of the vehicle, an inclined skid mounted in front of and adjacent to the roller, and an arm connecting the roller and skid to the vehicle and supporting the roller adjacent the normal road surface when the front wheels of the vehicle are on the road, so that the skid and the roller engage and ride over obstructions on the road surface, thereby lifting the front end of the vehicle and enabling the front wheels thereof to roll over the obstruction without impeding the forward progress of the vehicle and without injurious shock to the roller or the vehicle.

2,134,849
BUS CLAMP
Forest J. Arnold, Antioch, Ill.
Application July 6, 1937, Serial No. 152,106
10 Claims. (Cl. 173—251)



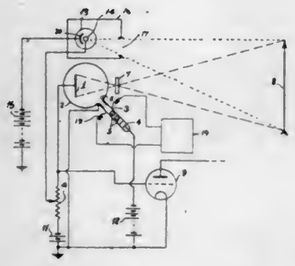
1. Means for clamping a bus conductor having side faces and edge faces, comprising tension bolts at opposite edge faces, said bolts having their axes parallel and being disposed transversely of the longitudinal axis of the bus conductor, means for anchoring the ends of the bolts at one side of the bus bar and a clamp member for the other side of the bus bar, said member comprising a bar of metal of oblong cross section and having a bight intermediate its ends extending about the cylindrical surface of one of the bolts with the longer dimension of the cross section of the clamp member extending in the same direction as the axes of the bolts, whereby a high degree of stiffness to bending is presented in the direction of the clamping pull of the bolts, the portions of the bar of metal adjoining the bight being spaced apart to resist overturning.

2,134,850
SIGNAL TRANSMISSION
Martin Baesecke, Berlin-Siemensstadt, Germany, assignor to Siemens & Halske Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany
Application September 14, 1935, Serial No. 40,567
In Germany October 30, 1934
1 Claim. (Cl. 250—6)



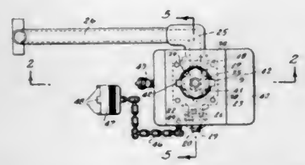
In a radio signaling system, means for transmitting a carrier wave of periodically wobbled frequency, means for modulating said carrier wave with signals, a receiving apparatus having filtering means, a Wheatstone bridge network, an oscillator connected across the bridge arms of said network, a frequency demodulator, and means for varying the frequency of said oscillator and said filter under control of variations in the balance of said frequency demodulator due to frequency variations of the received carrier frequency.

2,134,851
TELEVISION AND THE LIKE SYSTEMS
Alan Dower Blumlein, Ealing, London, England, assignor to Electric and Musical Industries Limited, Hayes, England, a company of Great Britain
Application February 16, 1935, Serial No. 6,786
In Great Britain February 5, 1934
5 Claims. (Cl. 178—7.2)



1. Apparatus for transmitting an image of an object, said apparatus comprising a mosaic screen of mutually insulated photo-electric elements, optical means for directing light from said object along a first optical path to form an image of said object upon said screen, scanning means for periodically bringing said elements to a fixed potential by scanning, an output circuit associated with said screen for receiving picture signals generated during said scanning, an auxiliary light sensitive device, means for projecting light from said object along a second optical path distinct from said first path upon said auxiliary device to generate therein auxiliary signals representative of the general brightness of said object, and means for feeding said auxiliary signals into said output circuit directly in opposition to said picture signals the coupling means between the auxiliary signal generating means, and the video amplifier having a time constant substantially equal each to the other.

2,134,852
DISPENSING APPARATUS
William R. Bogan, Detroit, Mich.
Application January 2, 1937, Serial No. 118,711
6 Claims. (Cl. 225—44)



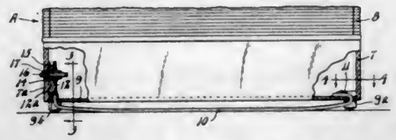
1. In apparatus of the character described, a valve body adapted for attachment to a keg, a plate on said body adapted for the reception of a seal, said plate having an opening therein, a valve in said body, and means for engaging and locking said valve against movement, said means upon release movement thereof being adapted to project through the opening in said plate to mutilate a seal thereon.

2,134,853
METHOD OF MAKING BENT PIPE ELEMENTS
Pierre Boissou, Pont-a-Mousson, France, assignor to Société Anonyme des Hauts Fourneaux & Fonderies de Pont-a-Mousson, Pont-a-Mousson, France
Application April 27, 1937, Serial No. 139,187
In France May 14, 1936
6 Claims. (Cl. 29—157)



1. A method for making bent cast-iron pipe elements having smooth walls, which comprises casting straight elements by centrifugal casting, unevenly heating the portion of said elements to be bent, the concave wall of the bend being the most heated and subjecting said elements to a bending stress.

2,134,854
ACCORDION STRAP ADJUSTING DEVICE
John M. Bolster, Minneapolis, Minn., assignor to Edward Traficante, Minneapolis, Minn.
Application September 4, 1937, Serial No. 162,472
1 Claim. (Cl. 84—376)

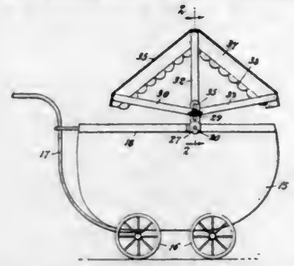


In an accordion including a box at one end thereof and a wrist-engaging strap extending longitudinally of the outer side of said box, one end of said strap being secured to one end of said outer side, the remaining end of said outer side having an opening therethrough through which the remaining end of said strap projects into the interior of said box, a pair of spaced elements mounted in said box and having aligned apertures through the respective ones thereof aligned with said remaining end of the strap, an elongated externally screw-threaded element secured at one of its ends to said remaining end of the strap and extending therefrom through the apertured portions of said spaced elements, and a centrally apertured and internally screw-threaded rotatable element screw-threadedly mounted on said elongated element between said spaced elements, said box having an opening therein aligned with the space between said spaced elements and part of the marginal portion of said rotary element being projected through said opening to present a portion of the periphery of said rotary element exteriorly of said box to enable convenient manipulation of said rotary element for varying the slack in said strap.

2,134,855
HOOD FOR BABY CARRIAGES
Emmy Bucher, New York, N. Y.
Application March 27, 1937, Serial No. 133,308
1 Claim. (Cl. 296—110)

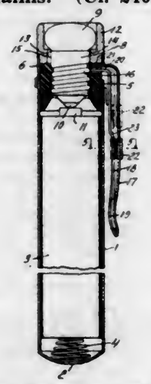
In a baby carriage, pairs of spaced links pivotally connected to the upper edges of the carriage body on each side thereof, said links slotted and having lateral openings in one side, a plurality of U shaped unitary frame bars secured in the slots

of said links, means for adjusting said bars individually to extend at different relative angles,



clamp means to retain said bars in adjusted position, and a canopy attached to said bars.

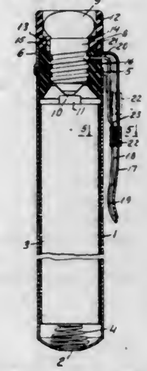
2,134,856
FLASHLIGHT
Charles F. Burgess, Bokeelia, Fla., assignor to Burgess Battery Company, Freeport, Ill., a corporation of Wisconsin
Application February 1, 1936, Serial No. 61,879
5 Claims. (Cl. 240—10.68)



3. In a hand lamp, a casing, an insulating socket in the casing, a lamp arranged in said socket, and a member surrounding the glass portion of said lamp and provided with a central opening to receive a portion of the stem of the lamp whereby said member is retained in position, the opening in said member being provided with a groove to receive the drop of solder normally present on the stem of the lamp and lock said lamp and said member against relative movement.

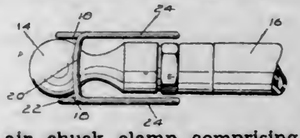
2,134,857
HAND LAMP SWITCH
Charles F. Burgess, Bokeelia, Fla., assignor to Burgess Battery Company, Freeport, Ill., a corporation of Wisconsin
Application December 5, 1936, Serial No. 114,298
3 Claims. (Cl. 200—60)

1. A switch for a pen type flashlight comprising a clip mounted thereon and adapted to retain the flashlight in the pocket of the user, said clip having an elongated shank portion, a spring member secured to the lower end of said clip and extending upwardly on the inside thereof and having a portion substantially co-extensive with said shank portion of said clip, and a band substantially encircling the shank portion of said clip and passing between said shank portion of said clip and said spring member, said construction being so arranged that movement of said band along the shank portion of said clip causes



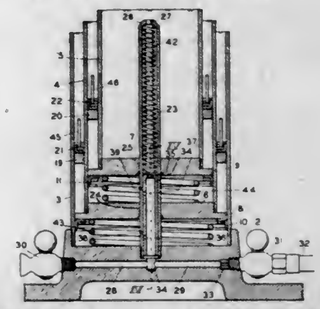
said free end of said member to move with respect to said clip.

2,134,858
CLAMPING DEVICE
Otto B. Clark, Chicago, Ill., assignor to The Lubrication Corporation, Chicago, Ill., a corporation of Delaware
Application August 9, 1937, Serial No. 158,096
4 Claims. (Cl. 285—91)



1. An air chuck clamp comprising an elongated spring member having means for pivotally mounting it on an air using device and a central portion adapted to engage an air chuck and portions lying on opposite sides of the air chuck to limit rotation thereof on the device.

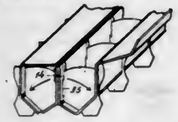
2,134,859
ELEVATOR
Charles B. Collins, San Anselmo, Calif.
Application December 16, 1936, Serial No. 116,157
3 Claims. (Cl. 121—46)



3. An elevator comprising a base; a tube fixed on said base; a plurality of telescoped tubes telescoping within said fixed tube and having plugs in their lower ends with openings therethrough; a valve stem fixed on said base in registry with said openings and projecting upwardly therefrom, and having an orifice in the top thereof; means for admitting and withdrawing fluid pressure from said tubes through said orifice in said

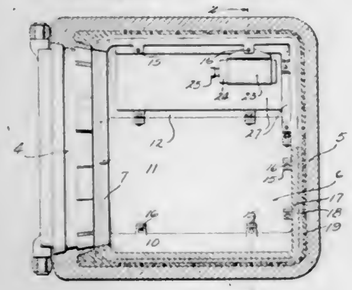
valve stem to raise and lower said tubes relative to each other; said valve stem being adapted to enter and substantially close the openings in said plugs when said tubes approach the terminus of their downward movement; said valve stem having ports through its side to admit fluid pressure beneath each of said plugs to initiate the upward movement of said tubes; a hollow valve within said stem having ports therethrough adapted to register with the ports in the side of said stem; resilient means urging said valve downwardly into a position with its ports out of registery with the ports in the side of said stem; said valve being adapted to be raised against the tension of said spring by the passage of fluid through said stem into said tubes so as to bring the ports therein into registry with the ports in the side of said stem.

2,134,860
FOLDING PAPER BOX
Arthur Cormier, Montreal, Quebec, Canada
Application January 23, 1935, Serial No. 3,160
In Canada August 3, 1934
15 Claims. (Cl. 229—29)



1. A folded box of resilient material comprising a body member forming side walls and a center partition having slots in the side walls and center partition, transverse partition members extending through the slots in the side walls and center partition so that approximately one-half of each of the transverse partition members projects beyond each side wall, said transverse partition members being turned substantially into the plane of the body member, and a cover member integrally formed with a side wall and folded downwardly over projecting portions of the transverse partition members to hold them substantially in the plane of the body member, the folded box being under compressive strain so that when the strain is removed the transverse partition members tend immediately to assume their open position perpendicular to the plane of the body member.

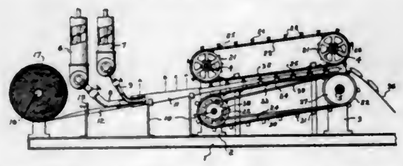
2,134,861
SAFE AND LINER THEREFOR
Andrew M. De Voursney, Milwaukee, Wis.
Application May 7, 1936, Serial No. 78,308
14 Claims. (Cl. 109—1)



1. The combination with a metal safe wall, of a liner comprising two plies disposed within said wall, one of said plies being more thermally resistant than the wall and the other of said plies being highly heat conductive, the latter ply being interposed between the former ply and the wall, whereby to dissipate the heat of a torch and to raise the temperature of a safe containing such wall before such torch can gain access to the thermally resistant ply.

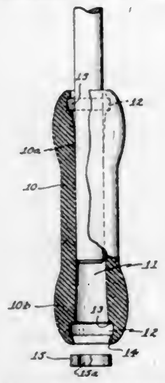
11. The combination with a safe having a wall and a liner for said wall, of a receptacle having at least a fusible portion disposed within said liner, said portion being adapted to release the contents of the receptacle at temperatures below those which will be occasioned within the liner in the thermal penetration of the safe.

2,134,862
TAMALE MACHINE
Mack W. Dunnam, Vancouver, British Columbia, Canada, assignor to Favorite Foods Ltd., Vancouver, British Columbia, Canada
Application December 22, 1937, Serial No. 181,236
8 Claims. (Cl. 93—3)



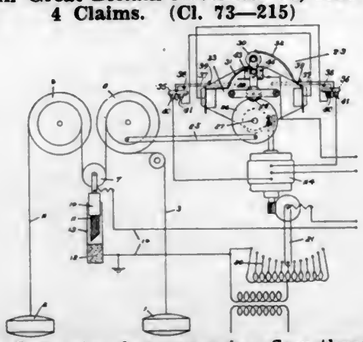
1. In a tamale machine having a food material feed tube, means for folding a wrapper continuously about the tamale expressed from the tube and means for severing the tamale into lengths, a wrapper guide comprising a member rotatable about an axis and having an arcuate slot concentric to said axis, said slot being substantially the same length as the transverse width of the wrapper.

2,134,863
CRAYON HOLDER AND PROTECTOR
Myrtle C. Dvorak, Cicero, Ill.
Application June 13, 1938, Serial No. 213,381
7 Claims. (Cl. 120—13)



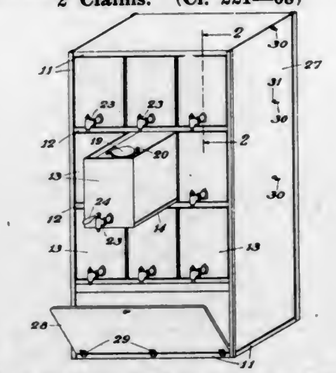
1. A pencil holder comprising an elongated body having a central longitudinal passageway therethrough adapted to receive a crayon or the like; an annular, inwardly extending flexible flange formed integral with each end of said body; and a ring shaped element removably mounted in said longitudinal passage adjacent one of said ends, said element being adapted to frictionally engage a pencil or the like.

2,134,864
FLOWMETER
Friedrich Viktor Anton Ernst Engel and Arnold Lawrence Hancock, London, England, assignors to Republic Flow Meters Company, Chicago, Ill., a corporation of Illinois
Application November 7, 1935, Serial No. 48,668
In Great Britain November 24, 1934
4 Claims. (Cl. 73—215)



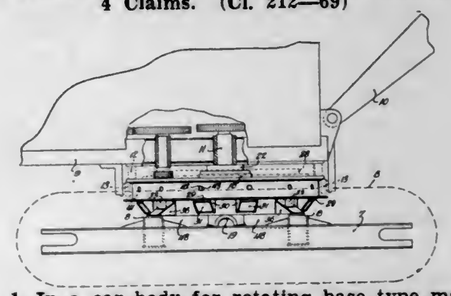
1. A flowmeter for measuring flow through a conduit having an obstruction therein comprising a member movable proportionally to the level at the throat of the obstruction, a member movable proportionally to the level at a point upstream of the obstruction, an electrical measuring circuit, a variable resistance in said circuit, means connecting said resistance to both of said members to be varried according to the differential of movement thereof, a voltage regulator in said circuit, and a power relay connecting one of said members to said voltage regulator to vary the voltage in said circuit.

2,134,865
LIQUID STORING AND DISPENSING DEVICE
Evan R. Essery, Maywood, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application June 12, 1937, Serial No. 147,973
2 Claims. (Cl. 221—68)



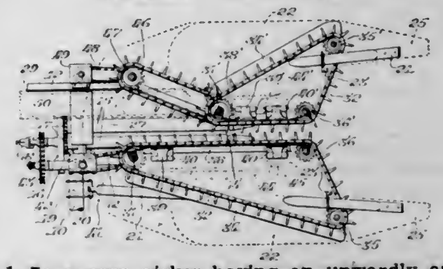
1. A lubricating oil storing and dispensing device comprising a compact, upright frame provided with apertures and supports constructed and arranged to receive a plurality of drawer-like tanks disposed in tiers, a plurality of drawer-like tanks disposed in tiers within said apertures, said tanks having portions for sliding cooperation with said supports whereby any one of said tanks can be pulled out from said frame for filling and gauging, a faucet for each of said tanks located at the lower, front exterior portion thereof, whereby liquid can be dispensed from any one of said tanks without pulling said tank out from said frame, said tanks being substantially closed on top except for filling openings located near the fronts of the tops of said tanks, said filling openings being provided with hinged covers carried by the tops of said tanks, said frame being provided with stops to limit the extent to which said tanks can be pulled out from said frame, said stops being operative at a point where the cover of a lower tank, when the tank is pulled out to the stop position and the cover is raised, will clear the faucet of the next higher tank.

2,134,866
CAR BODY
Joseph H. Esters, Milwaukee, Wis., assignor to Harnischfeger Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application June 18, 1937, Serial No. 148,833
4 Claims. (Cl. 212—69)



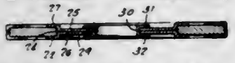
1. In a car body for rotating base type machines, the combination with axle frame members, a ring mounted upright on and welded to said frame members, a pintle for the rotating base, and means for supporting said pintle centrally of said ring, of a plurality of radially disposed pad members welded to said ring, an outer ring member welded to said pad members, and an annular turntable track welded to said outer ring member.

2,134,867
CORN HARVESTER GATHERING MECHANISM
Rector C. Fergason, Moline, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application February 26, 1937, Serial No. 127,849
16 Claims. (Cl. 56—119)



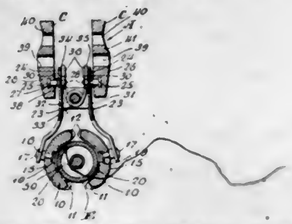
1. In a corn picker having an upwardly and rearwardly inclined frame having gauge means riding on the ground at its front end, said frame carrying snapping rolls, said rolls having points disposed in a definite position in relation to the base line of the stalks being treated, the combination with said rolls of a gatherer unit disposed respectively on each side of the rolls and each unit including a point for riding the units on the ground floatingly whereby said unit points may ride at a level below said base line without disturbing the gauged position of the roll points.

2,134,868
GASKET
Martin D. Fitzgerald, Torrington, Conn., assignor to Fitzgerald Manufacturing Company, Torrington, Conn., a corporation of Connecticut
Application January 16, 1937, Serial No. 120,898
1 Claim. (Cl. 288—1)



A cylinder head gasket of the character described comprising a main body structure formed from a single piece of sheet metal, said body structure having a plurality of cylinder openings and an opening designed to accommodate the circulatory water system of an engine block, grommets lining the cylinder openings, a grommet structure lining the edge of said water opening, said last mentioned grommet structure consisting of two metallic layers, one layer being disposed on each side of the main body structure about the edge of the water opening to provide a laminated structure about the edge of said water opening, said layers extending into the water opening and in engagement with each other therein, and being formed with an opening of smaller radius than the water opening, and a grommet lining the edges of said last mentioned opening to provide a seal against the entry of water between said layers.

2,134,869
HAIR-WAVING HEATER
Gotthard Freudenberg, New York, N. Y., assignor to The Nestle-Lemur Company, New York, N. Y., a corporation of Ohio
Application June 23, 1936, Serial No. 86,770
13 Claims. (Cl. 132—36)



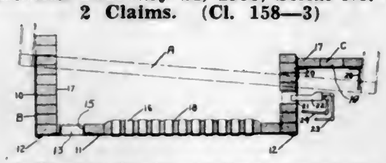
1. A permanent hair waving heater comprising two elongated partial cylindrical curved alloy jaws, said elongated jaws converging together toward their side end portions and being most widely spaced apart at their central portions to conform to the shape of a coil of hair, insulating handles rigidly connected to said jaws, intermediate metal connecting plates positioned between and spaced from both said jaws and said handles, said jaws being of an aluminum alloy and said handles being of a molded insulating plastic.

2,134,870
RESISTANCE ELEMENT
Hal F. Fruth, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application March 14, 1936, Serial No. 68,870
3 Claims. (Cl. 201—73)



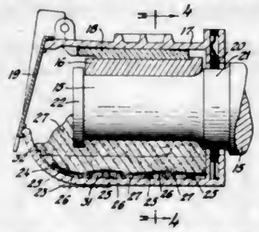
1. A resistance element for a variable resistance device comprising a base of insulating material having an elongated surface, a tapered layer of resistance material on said surface, the base of said taper being adjacent one end of said surface and the point of said taper being intermediate the ends of said surface, and a second tapered layer of resistance material superimposed on said first layer with its base over the base of said first layer and its point beyond the point of said first taper.

2,134,871
OIL-BURNING FIRE BOX
Wade B. Graham, Houston, Tex.
Application February 24, 1936, Serial No. 65,241
2 Claims. (Cl. 158—3)



1. A fire box for locomotives comprising a fire pan, said pan including front, rear and bottom walls, fire brick on said front and rear walls, said bottom wall having a draft opening substantially across the end adjacent said rear wall, and also having a plurality of additional air inlets, each of said inlets being of less area than said opening and said inlets being distributed over said bottom wall, and a liquid fuel spray burner in said forward wall to direct a spray of fuel along the fire box across said inlets and against said rear wall, said inlets serving to admix air with and assist in vaporizing the fuel before it reaches said rear wall.

2,134,872
CAR AXLE LUBRICATOR PLATE
Harry H. Grece, Detroit, Mich.
Application April 17, 1936, Serial No. 74,861
6 Claims. (Cl. 308—88)



6. In combination with a car axle and a journal box having packing therein, means for uniformly urging said packing against said car axle comprising a resilient plate and a multiplicity of springs secured in substantially longitudinal and transverse uniform spaced relationship with respect to the car axle on the bottom of the said resilient plate, the said resilient plate being sufficiently flexible to accommodate itself to various wavy configurations when urging said packing against said car axle and thereby compensate for voids in the said packing and any uneven settlement thereof.

2,134,873
CHART MOUNTING FOR RECORDING INSTRUMENTS
George W. Grisdale, Chicago, Ill., assignor to Republic Flow Meters Company, Chicago, Ill., a corporation of Illinois
Application March 17, 1937, Serial No. 131,308
5 Claims. (Cl. 234—75)

5. A recording instrument chart post having chart-holding means frictionally mounted thereon and angularly adjustable relatively thereto to correct the timing of a chart held thereby, said

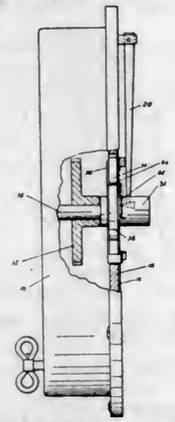
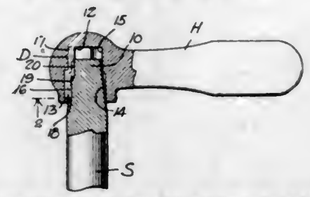


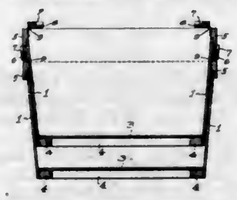
chart holding means including a part to clamp a chart on the post and a part to restrict turning of the chart on the post.

2,134,874
VALVE HANDLE SECURING DEVICE
Charles F. Hause, Los Angeles, Calif.
Application May 18, 1936, Serial No. 80,286
2 Claims. (Cl. 287—53)



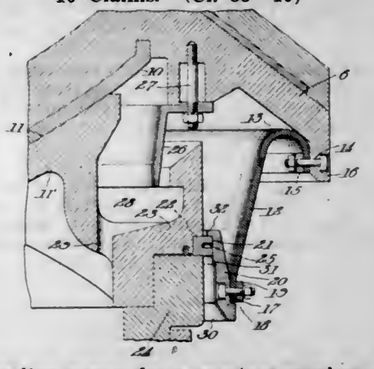
1. A body having a bore; and a plurality of die members in the form of relatively thin bars fixed in the body at circumferentially spaced points to extend longitudinally of and to project into said bore so as to provide circumferentially spaced keying portions substantially parallel to the axis of the bore; said portions having gouging edges at spaced points along the length of said bore and at such different distances radially from the axis thereof as to co-act with stems of different diameters in gouging keyways therein in which said portions are received upon driving the body onto a stem.

2,134,875
CRATE
Joseph J. Henze, Detroit, Mich.
Application June 21, 1937, Serial No. 149,327
4 Claims. (Cl. 220—97)



1. In combination with a four-sided crate having tapered walls reinforced at their upper edges by frame members arranged to provide external shoulders, flaps hingedly connected to the inner top edges of the frame members at two opposed sides of the crate with the hinges disposed whereby the flaps may be moved to and held by gravity in a substantially vertical position wherein they constitute a vertical continuation of said side frame members, said flaps being of a length greater than the space between the two remaining side frame members whereby their ends contact said remaining frame members when the flaps are moved to a horizontal position, whereby said remaining frame members support said flaps in a horizontal position.

2,134,876
DUST SEAL FOR CRUSHING MACHINES
Monroe R. Hull, Bayard S. Morrow, and William H. Casto, Anaconda, Mont., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application February 16, 1932, Serial No. 593,316
10 Claims. (Cl. 83—10)

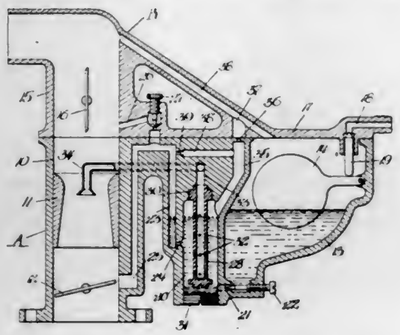


7. Sealing means for a gyratory crusher, comprising in combination with the eccentric hub of the crusher and the gyratory crushing head, a composite dust excluding member including annular members connected in fluid-tight manner, means rigidly clamping the composite member to the head adjacent the periphery thereof, said crusher having an annular stationary member mounted in dust tight relation on the eccentric hub, said composite member being in surrounding bearing engagement with said last named annular member, whereby the annular member closes the space between said hub and said composite member.

2,134,877
CARBURETOR
Edmund Jedrzykowski, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application November 23, 1936, Serial No. 112,256
7 Claims. (Cl. 261—41)

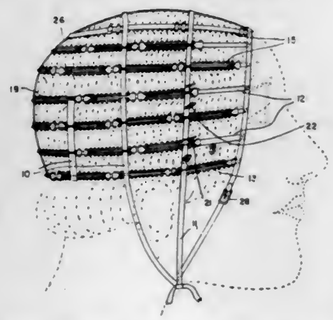
1. In a carburetor and in combination with the carburetor body and the fuel discharge nozzle thereof, a float chamber, means for maintaining fuel at a predetermined level in said float chamber, an accelerating well, a metered communication between the bottom of said well and the bottom of the float chamber, a metering well located in said accelerating well spaced from the bottom and side wall thereof and contacting the carburetor body only at its upper end, a fuel discharge conduit connecting the interior of said well with the discharge nozzle, said metering well formed with a plurality of progressively uncovered air bleeds, a balance tube communicating with the

top of the float chamber, a conduit connecting the top of the accelerating well with said balance tube, and said conduit being provided with a metering restriction forming a main air bleed, an idling fuel supply conduit communicating with the accelerating well below the float chamber



fuel level and with the mixture passageway, and a well reloading conduit communicating with said idling fuel conduit and with the conduit connected to the accelerating well.

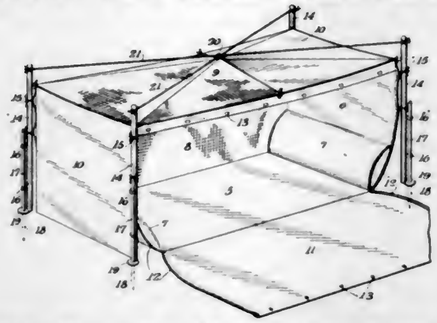
2,134,878
HAIR WAVING DEVICE
Daisy F. La Fortune, Detroit, Mich.
Application April 16, 1937, Serial No. 137,311
3 Claims. (Cl. 132—38)



1. A hair waving device comprising a net-like flexible webbing adapted to be detachably secured to the head and incorporating a plurality of substantially parallel strands, a series of combs slidably carried by each of said parallel strands, each comb comprising a relatively rigid member having a body of substantial width and a plurality of teeth projecting inwardly therefrom and spaced from each other laterally across the width of said comb body and adapted to engage the hair of the head of the user, whereby by sliding the comb elements along the strands, the hair may be trained in desired directions.

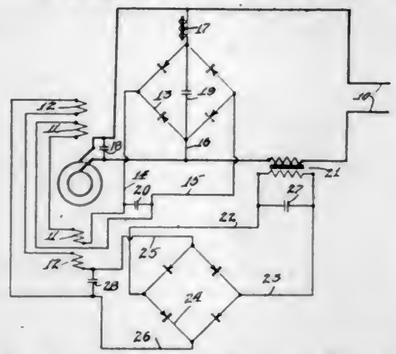
2,134,879
BEACH SHELTER
Samuel S. Levy, Passaic, N. J.
Application April 21, 1936, Serial No. 75,561
6 Claims. (Cl. 135—15)

3. In a beach shelter of fabric structure, means for supporting a corner thereof, comprising a stake, and a post separably engaged with said



stake, said beach shelter having connection means with said post.

2,134,880
SELF-EXCITING ALTERNATING CURRENT MACHINE
Thomas E. McDowell, Oak Park, and John G. Howard, Chicago, Ill., assignors to The Pyle-National Company, Chicago, Ill., a corporation of New Jersey
Application August 16, 1935, Serial No. 36,454
3 Claims. (Cl. 171—223)

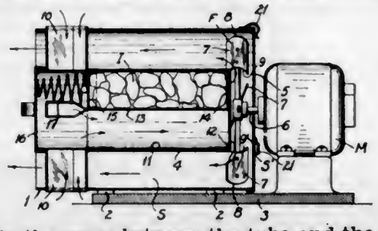


1. In combination, an alternator having an armature and a field winding, and rectifier means to supply said field winding with an exciting current, said rectifier means comprising a plurality of rectifying elements arranged in a bridge type circuit formation with one pair of apices connected to said armature in series with a reactor and with the other pair of apices connected to said field winding, a first capacitor means connected bridging said one pair of apices and a second capacitor means connected bridging said other pair of apices, said reactor being arranged to selectively affect control of current through said rectifier as the voltage of the alternator varies with speed and field current.

2,134,881
AIR CONDITIONING DEVICE
Jess Mitchell, St. Louis, Mo.
Application May 26, 1937, Serial No. 144,784
1 Claim. (Cl. 257—202)

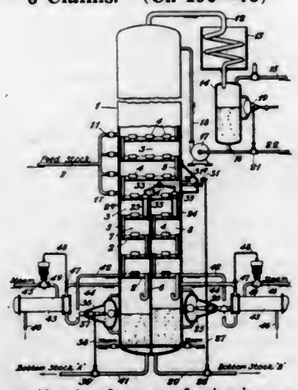
An air conditioning apparatus comprising a cylindrical casing closed at one end, a tube disposed concentrically within the casing and spaced from the walls thereof, one end of said tube being spaced from the closed end of the casing and having an air outlet and the opposite end of the

tube being closed and having air inlet ducts leading through the casing wall, an air conditioning device removably disposed within said tube, and a



fan in the space between the tube and the closed end of the casing, said fan having blades operating between the cylindrical walls of the casing and of the tube.

2,134,882
FRACTIONATING APPARATUS AND METHOD OF FRACTIONATION
Donald A. Monro, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application July 26, 1935, Serial No. 33,358
6 Claims. (Cl. 196—73)



3. The method of manufacturing a plurality of grades of hydrocarbon oil from an unrefined supply stock which comprises, introducing said supply stock into a single fractionating column at an intermediate point thereof, vaporizing a portion of said stock and collecting unvaporized liquid constituents thereof in said column at a point below the point of introduction thereof, passing separate portions of said liquid constituents into completely separated stripping zones in the lower portion of said fractionating column, regulating the quantity of liquid constituents introduced into each of said stripping zones in response to the level of liquid collected in one of said zones and separately heating the liquid constituents in each of said stripping zones to thereby produce a different grade of hydrocarbon oil in each.

2,134,883
ROAD ROLLER
Bart Moore, Jr., San Antonio, Tex.
Application May 20, 1937, Serial No. 143,813
10 Claims. (Cl. 94—50)

1. In combination, an engine carrying frame, an engine mounted therein, a roller mounted to turn in said frame, a caster wheel upon which the said frame is mounted at a point in advance of the engine, whereby said caster wheel may support the weight of the engine during the road rolling operation while permitting said frame to be swung freely horizontally, a ground wheel carrying frame mounted to swing with respect to the engine carrying frame, bearings for ground wheels carried by the ground wheel carrying frame and eccentrically disposed with respect to the axis of the roller, and ground wheels upon



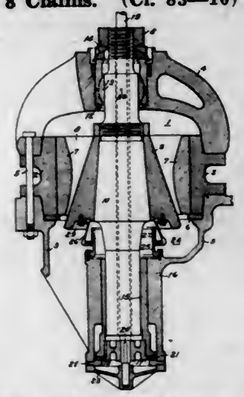
said bearings, the eccentric disposition of such bearings serving, when the ground wheel carrying frame is swung over upon the engine carrying frame, to bring the ground wheels into engagement with the ground and elevate the roller from the ground.

2,134,884
ROAD ROLLER AND MEANS FOR TRANSPORTING SAME
Bart Moore, Jr., San Antonio, Tex.
Application November 17, 1937, Serial No. 175,140
11 Claims. (Cl. 94—50)



1. In combination with a device of the character described comprising an engine carrying frame and a road roller therein and a ground wheel carrying frame pivoted with respect to the engine carrying frame and adapted to be swung over from one side to the other of the road roller, said frame carrying ground wheels that are eccentrically disposed with respect to the road roller; of a supporting roller for that end of the engine carrying frame remote from the engine disposed upon the opposite side of the road roller from that occupied by the engine and arranged to resist the tendency of the forward end of the engine carrying frame to rise under the influence of the engine upon reversal of the rotation of the road roller when in rolling operation.

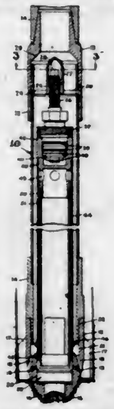
2,134,885
DUST SEAL FOR GYRATORY CRUSHERS
Ray C. Newhouse, Wauwatosa, and George F. De Wein, Milwaukee, Wis., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application August 25, 1934, Serial No. 741,404
8 Claims. (Cl. 83—10)



1. A sealing means, comprising a stationary

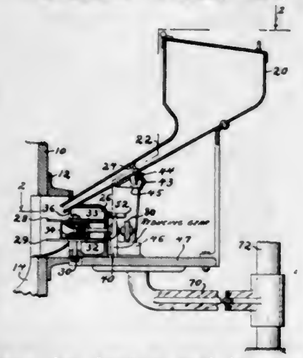
bearing, a shaft journaled in said bearing for rotational movement and for limited axial movement, means for gyrating said shaft about a fixed fulcrum point, a flexible frusto-conical curtain connected at its small end to said shaft, the apex of said curtain, in its unstressed condition, substantially coinciding with said fulcrum point, and means attached to the large end of said curtain and having rotatable and axially slidable connection with said bearing.

2,134,886
CORE BARREL
Guy C. Oliver, Glendale, Calif.
Application May 10, 1937, Serial No. 141,601
9 Claims. (Cl. 255—72)



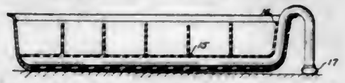
1. In a core barrel, a stem, means to support the stem, a core barrel support rotatably secured to said stem, said core barrel support including a skirt, an outer core barrel on said core barrel support, an inner core barrel on said skirt and spaced from the outer barrel, said skirt having apertures affording communication between the interior and the exterior of the inner barrel and a core catcher on said inner barrel.

2,134,887
APPARATUS FOR FEEDING AND BURNING FUEL
William F. Panke, Detroit, Mich.
Application June 3, 1935, Serial No. 24,637
6 Claims. (Cl. 110—104)



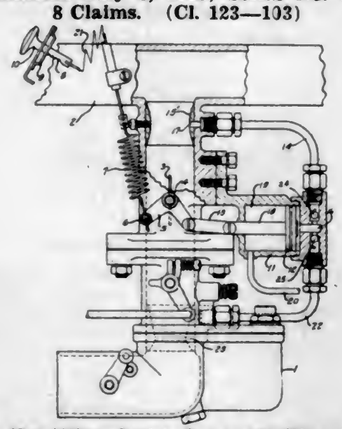
1. Means for feeding and burning fuel, including a source of air under pressure, means for supplying the fuel, a throwing element to which the fuel is delivered by the supplying means, means for rotating the throwing element to project the fuel toward a desired zone of combustion, and air jet means directed upon the throwing means for blowing air from said source across the throwing element in the direction of projection of the fuel to assist such projection and the combustion of the fuel and to assist in clearing the throwing element.

2,134,888
REFRIGERATION
Frank D. Peltier, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application March 28, 1935, Serial No. 13,399
14 Claims. (Cl. 62—108.5)



1. In combination with an ice tray, a removable grid including a flexible division member and a reenforcing member, said reenforcing member extending over the upper edge of the tray and downwardly below the plane of the bottom of the tray.

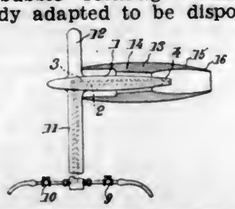
2,134,889
COMPRESSION CONTROL
Bernard C. Phillips, Detroit, Mich., assignor, by direct and mesne assignments, to Frank A. Kane, Astoria, Long Island. N. Y.
Application July 6, 1935, Serial No. 30,188
8 Claims. (Cl. 123—103)



1. A throttling device for controlling the flow into an internal combustion engine of the final air and fuel mixture, comprising a valve normally substantially obstructing the intake of said mixture into said engine, and means operatively connecting two suction portions of the engine remote from each other to said valve whereby an opening effort is exerted against the valve in response to the suction in that one of said portions where the depression is greater.

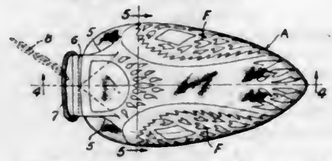
2,134,890
MEANS FOR MATERIALIZING THE STREAMLINES OF A FLUID
Henry Redon, Marseille, France, assignor to Société Provencale de Constructions Aeronautiques, Paris, France, a society of France
Application June 15, 1936, Serial No. 85,296
In Belgium June 29, 1935
18 Claims. (Cl. 73—51)

2. An apparatus for materializing the streamlines of a fluid flowing around a body, located within means for guiding the flow of a gaseous fluid in predetermined directions and which comprises bubble forming means having a rounded body adapted to be disposed coaxially



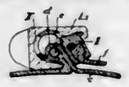
with the fluid streamlines to be observed, two conduits in said rounded body for the feed of air under pressure and soapy water, respectively, and means, at the rear end of said rounded body for the formation and the release of the bubbles.

2,134,891
DUCK DECOY
John B. Reinhart, Jr., Kirkwood, Mo.
Application April 19, 1937, Serial No. 137,786
1 Claim. (Cl. 43—3)



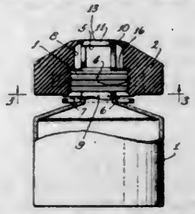
A duck decoy consisting of a buoyant body of substantially ellipsoidal form in longitudinal and transverse section, having its greatest diameter located adjacent the front end of said body, said body comprising a casing made up of two pieces of fabric each of which, in general outline, resembles an ellipse having one of its ends cut off, said pieces of fabric being joined together by a seam that extends horizontally around said body adjacent the center of same, and an anchor attaching device connected to the front end of said body by pleated portions of the casing that are wrapped around a part of said device and secured to the seam by stitches.

2,134,892
INTERLOCKING FASTENER
Richard Rieser, Vienna, Austria
Application May 8, 1935, Serial No. 20,470
In Austria May 17, 1934
7 Claims. (Cl. 24—205)



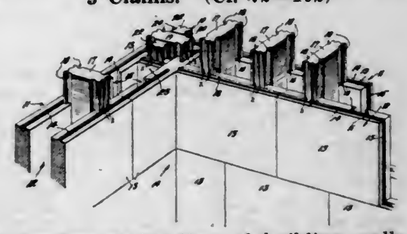
3. An interlocking fastener for the temporary fastening together of two flexible and variably adjustable parts, comprising in combination a row of fastening elements permanently attached to the outer edge of one of the said parts, a rod-shaped reinforcing member adjustably secured to the under side of the other of said parts and adapted to form an upstanding ridge on said other part, pivoted hook-shaped extensions on the said elements, and a travelling rider of progressively modified cross-sectional shape adapted to engage and bring said hook-shaped extensions into and out of interlocking engagement with said ridge according to the direction in which the said rider is moved, said travelling rider being further adapted in the operation causing interlocking engagement to form said ridge over said reinforcing member.

2,134,893
CLOSURE FOR CONTAINERS
Harold Bruce Savage, San Diego, Calif.
Application November 2, 1937, Serial No. 172,389
4 Claims. (Cl. 221—60)



1. In a closure for containers, the combination of a threaded discharge spout, a cap threaded to engage with said spout and arranged to close the mouth of said spout, said cap having arcuate curved fingers horizontally disposed, the ends of which are bent inwardly and engage with the surface of said cap below its threads, thereby preventing the removal of said cap from said spout.

2,134,894
WALL CONSTRUCTION
Hermann J. Schubert, Hackensack, N. J.
Application March 29, 1937, Serial No. 133,574
5 Claims. (Cl. 72—102)



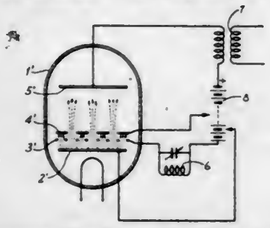
5. In the construction of building walls and corners the combination of outer with inner walls, composed of superposed interlocking dovetailed slabs of superposed interlocking dovetailed uprights between the walls, of an outer corner composed of premanufactured mitered slabs placed at the vertex or point of intersection of outer walls slabs, of an inner corner, composed of slabs emanating from point of intersection in one angle with slabs at the other angle emanating from the outer wall, transversing point of intersection, alternating in superposed sections, of a short slab having dovetailed vertical groove, tongue on upper and groove on lower edge arranged at right angle between outer and inner walls of interlocking dovetailed corner uprights, composed of two interengaging sections, arranged crosswise in corner space between inner and outer walls, engaging dovetailed grooves in outer and inner walls and dovetailed groove in short slab, spacing and interlocking all corners forming slabs rigidly.

2,134,895
CELLULOSE HYDROXY ETHERS
George W. Seymour and Victor Sluyty Salvin, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application December 10, 1937, Serial No. 179,104
12 Claims. (Cl. 260—231)

1. In a process for the preparation of cellulose hydroxy ethers comprising the reacting of an alkali cellulose with an alkylene oxide, the steps

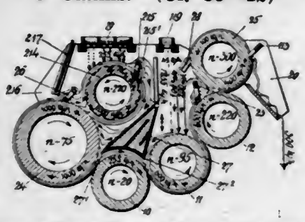
of steeping cellulose in from 25 to 40 times its weight of an alkali hydroxide of a concentration equal to 17.9% to 18.5% of caustic soda, reducing the ratio of water to cellulose to between 0.60 and 1.50 by weight, adding an alkylene oxide to form a cellulose hydroxy ether, dissolving the reaction product in water, adding sufficient boric acid to form the alkali borate, allowing large crystals of alkali borate to form, filtering out a substantial part of the alkali borate and neutralizing the remaining alkali borate with an acid.

2,134,896
ELECTRON DISCHARGE DEVICE
Bernardus Dominicus Hubertus Tellegen and Marc Ziegler, Sindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application April 19, 1938, Serial No. 202,820
In Germany March 17, 1937
3 Claims. (Cl. 250—27.5)



3. An electron discharge device having an envelope containing a cathode and anode, at least two grids between the cathode and anode, the grid closer to the cathode comprising a wire grid of a number of turns and the grid closer to the anode comprising a ribbon grid of a number of turns, each turn of the ribbon grid registering with the alternate space between two adjacent grid wires and the spaces between the turns of the ribbon grid registering with the other alternate spaces between two adjacent grid wires.

2,134,897
AUTOMATIC MIXING AND FINE-GRINDING MILL FOR CHOCOLATE, COLORS, ETC.
Leo Theiner, Prague, Czechoslovakia
Application April 17, 1937, Serial No. 137,387
In Czechoslovakia April 24, 1936
8 Claims. (Cl. 83—12)

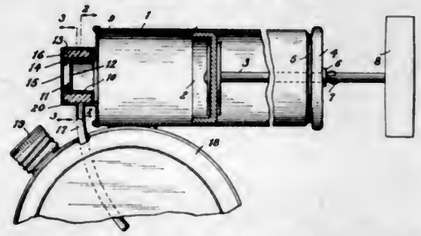


1. In an automatic mixing and fine-grinding rolling mill for chocolate, colors and similar masses, the combination of a plurality of milling rollers being arranged side by side with respect to each other, at least one mixing roller adapted for uniform distributing and mixing raw materials in and with the mixture mass rotating with said mixing rollers, at least one of said mixing rollers adapted for co-operating with one of said milling rollers, said mixing roller arranged above the milling roller with which it co-operates and at least with its lower part within the space formed by the upper parts of the milling rollers, said mixing roller revolving at a much greater peripheral speed than and in opposite direction to the milling roller with which it co-operates, means adapted to scrape off the mixture mass from said mixing rollers and being so arranged and constructed as to guide a portion of said mixture mass further again to said mixing roller from which it is scraped off, and further so arranged as to direct the other portion of said mixture mass scraped off by it into the space formed by the upper parts of said milling rollers, individual feeding means in consecutive arrangement substantially above at least one of said mixing rollers, said feeding means adapted for strewing raw materials upon the mixture mass scraped off and rotating with said mixing rollers.

2,134,898
PROCESS OF BLANCHING WOOD OR LIKE MATERIALS
Lawrence R. Van Allen, Chicago, Ill.
No Drawing. Application May 5, 1934, Serial No. 724,218
14 Claims. (Cl. 8—2)

1. The process of treating a desired limited area of a compact fibrous material, comprising applying to such limited area only a blanket of viscous preparatory material, and subsequently applying to said limited area an agent adapted to bleach the fibrous material.

2,134,899
SPRAYING DEVICE
William Martin Vogel, Bloomfield, N. J.
Application December 28, 1937, Serial No. 182,154
3 Claims. (Cl. 299—88)

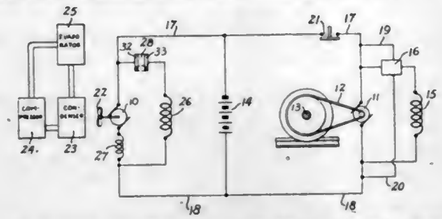


3. A sprayer having an air tank formed with spaced connected cap members on one of its ends, said cap members having aligned openings, an absorbent material disposed between said cap members and disposed to avoid obstruction of said openings, a liquid supply tank, and a siphon tube connecting the tank with the absorbent material.

2,134,900
SPEED CONTROL OF MOTORS
Louis H. Von Ohlsen, New Haven, Conn., assignor to The Safety Car Heating & Lighting Company, a corporation of New Jersey
Application December 28, 1935, Serial No. 56,402
5 Claims. (Cl. 171—223)

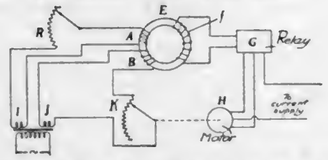
5. In a speed regulating system for electric motors, in combination, a motor having a field frame, a shunt field winding having predetermined resistance characteristics and predetermined heat dissipating characteristics mounted on said field frame to extend inwardly from the inner surface of said field frame, a resistance device in circuit with said field winding having such a negative resistance current characteristic

and such a negative resistance temperature characteristic that current through said winding will be constant when a voltage is impressed upon the circuit of said device and said field and when the temperatures of said field and said device are substantially the same, means fastening



said device to the inner surface of said frame immediately adjacent said winding to maintain substantially the same temperature in said field and said device, and means electrically insulating said device from said frame, said means being a good heat conductor.

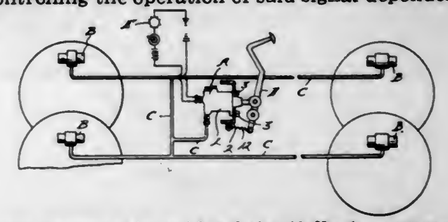
2,134,901
ELECTRIC SIGNALING OR CONTROLLING SYSTEM
Raymond John Wey, Park Royal, London, England, assignor to Republic Flow Meters Company, Chicago, Ill., a corporation of Illinois
Application July 2, 1936, Serial No. 88,543
In Great Britain July 8, 1935
10 Claims. (Cl. 172—239)



1. A telemetric system comprising means for producing electric currents varying in accordance with variations in one or more quantities or factors, means for producing an electric current varying in accordance with the condition of a controlled member, a transformer having windings adapted mutually to combine the said currents in such a manner that any departure from the normal value of current in any winding is adapted to cause the operation of a relay connected to a winding of the transformer, said relay controlling the supply of current to a reversible electric motor coupled with the controlled member.

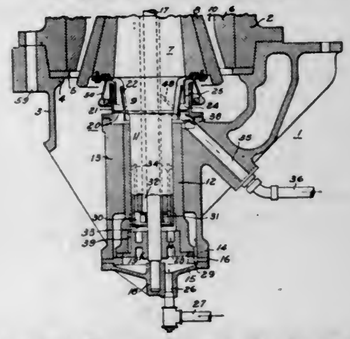
2,134,902
COMBINED MASTER CYLINDER AND STOP LIGHT SWITCH FOR HYDRAULIC BRAKE SYSTEMS
John William White, Detroit, Mich., assignor, by mesne assignments, to Bendix Products Corporation, a corporation of Indiana
Original applications November 8, 1928, Serial No. 317,933, and August 24, 1931, Serial No. 559,109. Divided and this application April 3, 1934, Serial No. 718,863
10 Claims. (Cl. 177—339)

9. For use on an automobile, the combination of a hydraulic braking system including a master cylinder and motor cylinders connected thereto, substantially incompressible hydraulic fluid contained in said system and through which pressure is transmitted from said master cylinder to said motor cylinders, a signal, and means for controlling the operation of said signal dependent



upon pressure in said substantially incompressible hydraulic fluid.

2,134,903
OIL BAFFLE ARRANGEMENT FOR GYRATORY CRUSHERS
Arthur C. Young, Milwaukee, and Arthur J. Jorgensen, Wauwatosa, Wis., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application September 7, 1934, Serial No. 743,030
9 Claims. (Cl. 83—10)

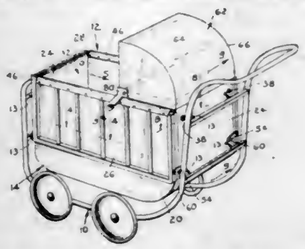


3. An oil baffle system for the bearing of a vertically disposed eccentrically mounted shaft, comprising a casing secured to the upper end of the shaft bearing, said casing comprising an outer cylindrical wall, a horizontal flange extending inwardly from said outer wall at a position above said shaft bearing end and a stationary inner circular wall carried by said inwardly extending flange and extending upward therefrom to form therewith an oil collecting chamber and extending downward therefrom nearly to the upper end of said bearing to form an oil receiving chamber for receiving a whirling body of oil thrown by centrifugal force from said rotating shaft along the top of said bearing and beneath the lower edge of said inner circular wall, and means for engaging said whirling oil body to conduct oil therefrom.

2,134,904
COMBINATION BABY CARRIAGE OR CRIB AND PLAY-YARD
James G. Bacon, Jr., Bronx, N. Y., assignor to Augusta Siesinger, New York, N. Y.
Application June 28, 1937, Serial No. 150,708
8 Claims. (Cl. 280—30)

1. A convertible structure of the class described comprising a body having relatively movable end walls, a bottom, and side walls movable in relation to said bottom wall and certain of said end walls from a substantially vertical position to a substantially horizontal extended position, and side closure members movable in relation to said side walls from positions adjacent

and parallel thereto, when the said side walls are in vertical position, to positions substantially at



right angles to said side walls when the latter are in said horizontal extended position.

2,134,905

MANUFACTURE OF CAST IRON

James Warwick Bampfylde, Birmingham, England, assignor to British & Dominions Feralloy Limited, London, England

No Drawing. Application January 11, 1938, Serial No. 184,486. In Great Britain January 30, 1937

2 Claims. (Cl. 75—127)

2. A process for making a cast iron alloy having as its constituents ordinary cast iron, from 0.5% to 9% of aluminium, and from 0.1% to 3.5% of chromium, consisting in adding the requisite amount of chromium to the requisite amount of molten cast iron, pouring the molten cast iron containing the chromium into a heated receptacle containing the requisite amount of molten aluminium, and bubbling through the metals a gas having as its chief constituents carbon and chlorine for the purpose of removing aluminium oxide.

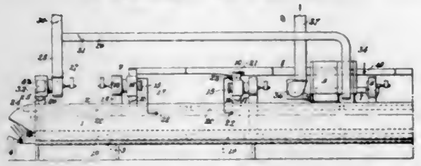
2,134,906

METALLIC LITHOGRAPHIC OVEN

Ralph Byron, New York, N. Y., assignor to J. O. Ross Engineering Corporation, New York, N. Y., a corporation of New York

Application January 9, 1935, Serial No. 1,006

3 Claims. (Cl. 34—12)



3. A drying oven for metal lithographic plates or the like comprising a housing, means for conveying plates or the like through said housing, said housing being divided into zones, a mixing box for each zone, a main hot air distributing duct communicating with said mixing boxes, ducts for delivering air from each mixing box to its associated housing zone and for returning air from said zone to said mixing box, dampers for regulating a supply of hot air to said mixing boxes, means responsive to the temperature of each zone for operating the hot air damper for said zone, a furnace, an indirect heat exchanger in said furnace communicating with said main distributing duct for supplying hot air thereto, a duct leading from said housing to said furnace for conducting to said furnace volatiles given off by the metal plates in said housing, and means for heating said furnace to the auto-ignition temperature of said volatiles.

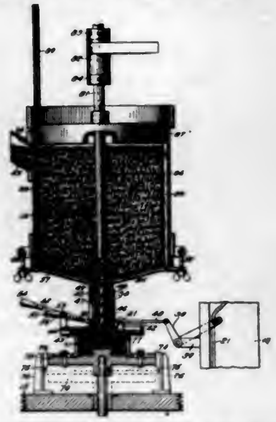
2,134,907

APPARATUS FOR FILLING CARTONS

George J. Caddy, Saugus, Mass.

Application August 5, 1935, Serial No. 34,700

6 Claims. (Cl. 226—125)



1. In an apparatus for filling unit or divisional cartons with minced material from a suitable supply having a hopper with a feed nozzle supported on a frame, a motor on the frame, a shaft rotated by the motor, a threaded piston in the hopper co-operating with the shaft, a key secured to the hopper, a feeding extrusion screw on the lower end of the shaft, threads on the shaft co-operating with the threads cut in the encompassing piston which is free to move axially and restrained from rotating by said key to allow the material in the mass to be transposed to the extrusion feeding screw and prevent accumulated pressure and retain the natural voids as the result of grinding, and means for supporting the carton and lifting it into position to be filled, a second means for raising and lowering the nozzle into the carton, a third means for cutting off the material in the carton from the supply, a fourth means for placing the carton in position before the motor is started and releasing it after the carton is filled, a fifth means for reversing the motor to return the piston to the starting position, a sixth means for determining the amount of material in the carton.

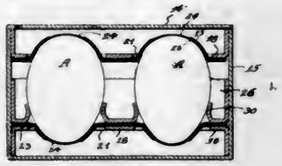
2,134,908

PACKAGE STRUCTURE

Lloyd G. Copeman, Flint, Mich., assignor to Copeman Laboratories Company, Flint, Mich., a corporation of Michigan

Application December 23, 1935, Serial No. 55,867

8 Claims. (Cl. 229—28)



8. In a package structure for one or more articles, a supporting member having an opening therein into which an article is adapted to project when the article is packaged, and a composite sheet extending across the opening comprising an intermediate layer of rubber and a sheet of paper on opposite sides thereof, said paper having portions adapted to be separated

or torn as the article is projected into the opening, and the rubber layer being stretched by said article when projecting into the opening, whereby the article is held positioned by said stretched layer of rubber.

2,134,909

PROCESS FOR REGENERATING WASTE SULPHURIC ACID BY OXIDIZING IMPURITIES

Jan Cornelis de Nooij, Ghent, Belgium, Dirk Jan Gerritsen, Arnhem, Netherlands, and Albert A. Jucker, Manchester, England

No Drawing. Application March 18, 1937, Serial No. 131,660. In the Netherlands January 14, 1936

1 Claim. (Cl. 23—172)

The process of regenerating sulphuric acid containing cellulose products which comprises heating the acid until the appearance of a brown coloration shows the formation of a carbon sol, adding a small portion of nitric acid and again heating until a brown coloring appears and repeating the above steps until upon addition of nitric acid and heating no further coloring appears.

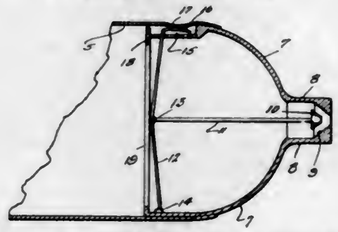
2,134,910

PASTE TUBE

Wencil C. Dvorak, Dodge, Nebr.

Application March 7, 1938, Serial No. 194,458

4 Claims. (Cl. 221—60)



1. In a flexible paste tube, an integral neck provided internally thereof with a valve seat, a spring member anchored at one end within said tube and extending transversely of the tube, a valve stem secured at one end thereof to the spring intermediate the ends of the spring, a valve disk on the free end of said stem and normally urged by said spring into seating engagement with said valve seat, said spring adapted to bow longitudinally incidental to pressure being applied to the wall of the tube in a manner to flex a portion of said wall inwardly into engagement with the free end of the spring, to thereby draw said valve disk inwardly of the tube out of engagement with said valve seat.

2,134,911

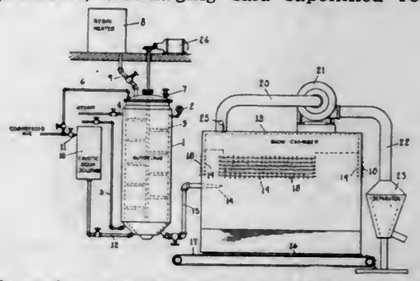
METHOD OF MAKING A SIZE

Arthur C. Dreshfield, Kalamazoo, Mich., and Henry A. Johnstone, Savannah, Ga., assignors, by mesne assignments, to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

Application May 11, 1935, Serial No. 21,024

8 Claims. (Cl. 134—21)

1. The method of producing a readily water-soluble dry rosin size which is characterized by being in the form of discrete porous particles which comprises saponifying rosin with a substantially chemically equivalent amount of an aqueous solution of caustic alkali, heating the saponifying materials to a temperature between about 275° F. and about 375° F. and under a pressure between about 100 pounds gauge and about 125 pounds gauge, whereby a saponified rosin having a water content between about 15% and 20% is produced, discharging said saponified rosin



while under said pressure and said temperature into a zone, maintained under substantially atmospheric pressure, and in which the atmosphere is maintained with a relative humidity not in excess of about 78%, whereby the saponified rosin is deprived of most of its moisture content and the said dry size produced.

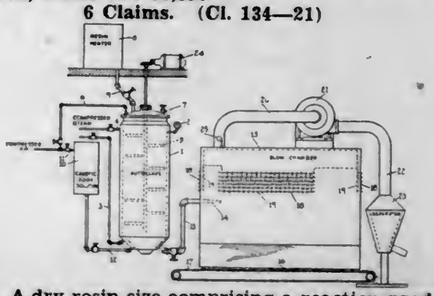
2,134,912

ROSIN SIZE

Arthur C. Dreshfield, Kalamazoo, Mich., and Henry A. Johnstone, Savannah, Ga., assignors, by mesne assignments, to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

Original application May 11, 1935, Serial No. 21,024. Divided and this application March 2, 1936, Serial No. 66,690

6 Claims. (Cl. 134—21)



3. A dry rosin size comprising a reaction product of rosin and caustic alkali in the form of non-caking, non-tacky, discrete, cellular particles, containing not over about 2.5% of unsaponified rosin and essentially no free or unreacted caustic soda, characterized by porosity, by a moisture content of not in excess of about 8%, by freedom from volatile products, and by rapid and substantially complete solubility in cold water.

2,134,913

RADIO OR LIKE RECEIVER

Arthur Wallace Edwards, Hollinwood, England, assignor to Ferranti Electric Inc., New York, N. Y.

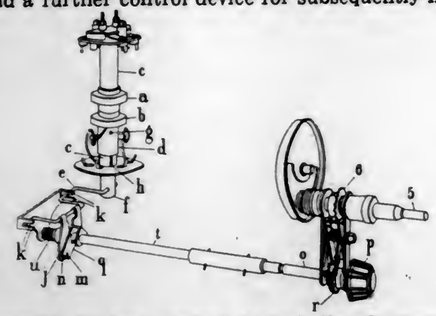
Application December 4, 1936, Serial No. 114,272

In Great Britain December 7, 1935

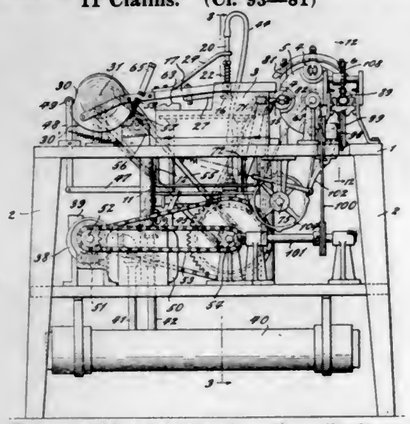
6 Claims. (Cl. 250—20)

1. A receiver incorporating an adjustable band-pass filter circuit, a tuning control device, means actuated by mere rotation for tuning purposes of said tuning control device automatically reducing to a pre-set minimum the frequency range of

responsiveness of said band-pass filter circuit and a further control device for subsequently increasing to any desired extent the frequency range of response.



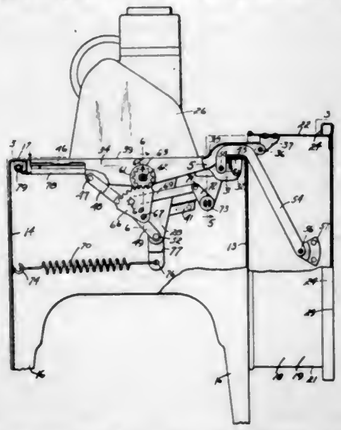
2,134,914
ROLL-FORMING MACHINE
Robert M. Frame, Newark, N. J., assignor to The Clark Thread Company, Newark, N. J., a corporation of New Jersey
Application September 20, 1935, Serial No. 41,365
11 Claims. (Cl. 93—81)



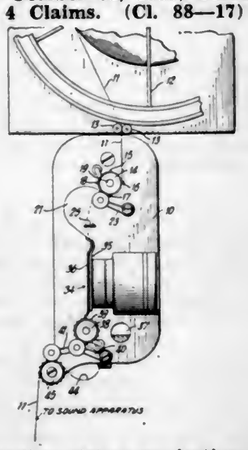
1. In a machine of the class described, a roll-forming device comprising a rotatable spindle having a slot therein, means for feeding a sheet of paper into said slot, means for then rotating said spindle, a head upon which said spindle is mounted, means to move said head to carry said spindle to and from a station where said sheet may be fed thereto, a locking pin on said spindle adapted to enter a hole in said head to hold the spindle with the slot in position to receive said sheet, and means at said station to eject said pin from said hole and maintain it out of said hole while the spindle is at said station.

2,134.915
IRONING MACHINE
Peter Eduard Geldhof, Syracuse, N. Y., assignor to Easy Washing Machine Corporation, Syracuse, N. Y., a corporation of Delaware
Application April 8, 1936, Serial No. 73,339
5 Claims. (Cl. 312—24)

5. In a combined ironing machine and table, in combination, a supporting structure, a platform hinged along the rear edge of the supporting structure and extending in an inclined position within the supporting structure, ironing elements mounted on said platform and projecting above the level of the supporting structure, a cover resting on the supporting structure extending over the ironing elements and forming with the supporting structure a table, a pair of arms pivoted to the cover and to the supporting structure, means including a toggle operatively connected to said arms and to said platform for raising the platform about its hinged connection to the supporting structure to substantially a horizontal position and simultaneously enabling movement of the cover to the rear of the supporting structure well below the level of the ironing elements, a pair of links pivoted to the cover and to the supporting structure for constraining the cover to move in a predetermined path during its movement, and spring means interconnecting said platform and supporting structure for aiding in raising the platform to a horizontal position.



2,134,916
FILM PROJECTING MECHANISM
Herbert Griffin, Jersey City, N. J., and Albert Kindelmann, Floral Park, N. Y., assignors to International Projector Corporation, New York, N. Y., a corporation of Delaware
Application October 31, 1935, Serial No. 47,532
4 Claims. (Cl. 88—17)

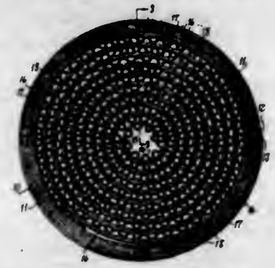


3. In a motion picture projection machine for use with film having a plurality of rows of apertures, means for positively engaging one of said rows of apertures to feed the film forward to form a loop, means for positively engaging another of said rows of apertures to move the film through the projection machine and destroying means to project into some of said apertures and hold the film immovable if the loop is eliminated, the film being torn if the second means is operated while the destroying means engages the film.

2,134,917
ANTIPARASITIC COMPOSITIONS
Benjamin R. Harris, Chicago, Ill.
No Drawing. Application July 11, 1935, Serial No. 30,880
3 Claims. (Cl. 167—34)

1. An anti-parasitic composition comprising a nicotine salt of a monosulphate of an aliphatic polyhydric alcohol partial fatty acid ester, the fatty acid radical containing between six and eighteen carbon atoms.

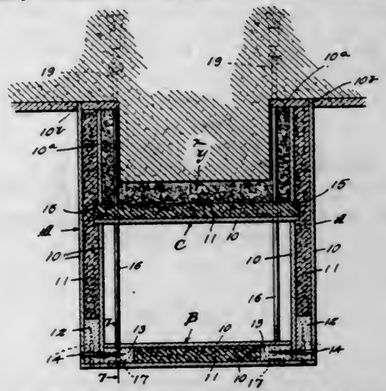
2,134,918
VENETIAN BLIND LADDER-WEB ROLL CONSTRUCTION
James A. Hendley, Middletown, Conn., assignor to The Russell Manufacturing Company, Middletown, Conn., a corporation of Connecticut
Application May 25, 1937, Serial No. 144,591
2 Claims. (Cl. 206—59)



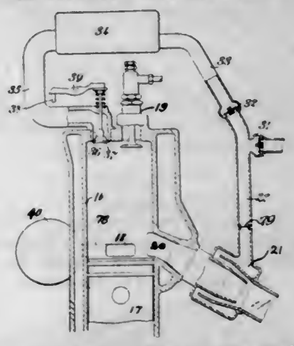
1. A Venetian blind ladder web or the like roll construction having two broad main tapes with spaced-apart cross tapes interconnecting the main tapes and comprising: the said ladder web wound in a spiral, with relatively-thick yielding strip material wound in a spiral only along with the inner end portion of said ladder web, and said inner end portion constituting only a small fraction of the total length of ladder web in the roll.

2,134,919
AIR DUCT
William H. Horster, Tulsa, Okla.
Application May 4, 1937, Serial No. 140,749
4 Claims. (Cl. 138—64)

4. An air conduit, including two parallel walls and an outer transverse wall, the lateral margins of one wall overlapping the edge face of an adjacent wall, each of said walls comprising a medial core of sound-proof material and outer layers of integrally conjoined highly compressed fibrous fire-proof material, the adjacent portions of the transverse wall and the parallel walls having the cores of sound-proof material omitted therefrom and each space thus formed being filled with a strip of highly compressed fire-proof material, screws extending at right angles to each other and passing through said walls and engaging the walls with each other and an inner transverse wall, the parallel walls being recessed to receive the ends of the inner transverse wall, the inner wall being composed of a layer of highly compressed fibrous fire-proof material and a layer of sound-proof material integrally connected therewith, and supporting means extending through the ends of the lower transverse wall and through the strips of highly compressed fire-proof material inserted into the ends of said wall and through the upper transverse wall.



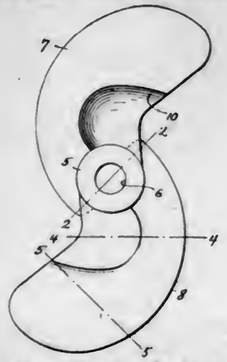
2,134,920
INTERNAL COMBUSTION ENGINE
Michel Kadenacy, Paris, France
Application January 23, 1936, Serial No. 60,529
In Great Britain February 11, 1935
38 Claims. (Cl. 123—65)



5. The combination with an internal combustion engine, a working chamber, an exhaust orifice and an inlet orifice, wherein the burnt gases are evacuated from the working chamber of the engine through a duct as a mass, at a speed much higher than that obtaining when adiabatic action only is involved and in such a short interval of time that they are discharged wholly or substantially wholly from the working chamber and wherein the void left in the working chamber by the mass exit of the burnt gases from the said chamber into the exhaust duct is utilized in charging the said chamber, means to open said inlet orifice for the introduction of the fresh charge after the exhaust orifice opens, but only with the required delay to ensure that the burnt gases are then moving outwardly through the exhaust orifice or duct as a consequence of their mass exit from the working chamber, with a pump having suction and delivery orifices and a communication with the interior of the exhaust duct, at a point situated nearer the working chamber than the point of return of the burnt gases

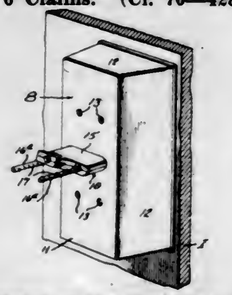
within the exhaust duct, the arrangement being such that the depression left in the exhaust duct by the mass exit of the burnt gases from the working chamber initiates a suction stroke of the said pump and the shocks produced by the return of the said mass towards the cylinder and of the next mass exit of the burnt gases initiate delivery strokes of the said pump.

2,134,921
PROPELLER
Theodore Kelleweay, Yonkers, N. Y.
Application October 7, 1937, Serial No. 167,815
1 Claim. (Cl. 170—159)



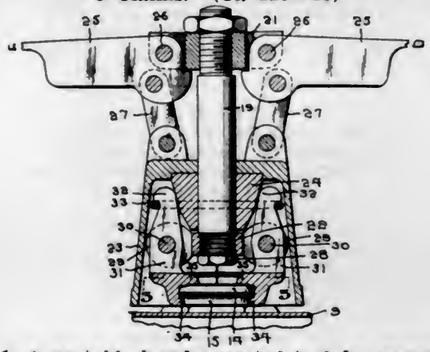
A propeller comprising a hub, a plurality of blades radiating from the hub, each of said blades being provided with an arcuate-shaped leading edge and a trailing edge, said trailing edge being provided with an inward extension joining the hub on a line tangentially with respect thereto, each of the said blades being provided with a concavity on one side thereof adjacent the trailing edge of the blade at a point adjacent the hub and taking in that portion of the trailing edge from where the lateral portion extends.

2,134,922
LOCKING DEVICE
Robert W. Laing, Cleveland Heights, Ohio
Application March 2, 1938, Serial No. 193,478
6 Claims. (Cl. 70—428)



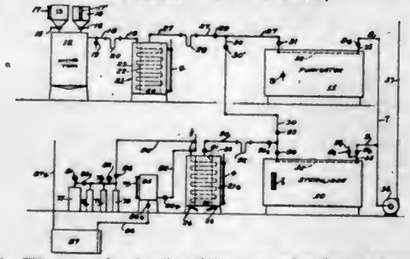
1. In a device of the character described, the combination of a cover, having bottom and side walls, for completely enclosing the latching mechanism on a door, apertures in the bottom wall of said cover, a chain secured to the latching mechanism within the confines of said cover, a U-shaped element inserted thru links of said chain and extending outwardly thru said apertures, and a lock engaging said U-shaped element and said cover for holding said cover in place and preventing access to the latching mechanism.

2,134,923
TOOL FOR APPLYING SEAL CAPS
Alfons Mauser, Cologne-Marienburg, Germany
Application April 20, 1935, Serial No. 17,537
9 Claims. (Cl. 113—18)



1. A portable hand-operated tool for securing a seal cap over an opening in a container having a bead surrounding said opening comprising a center stem member, relatively movable jaw members pivoted on said stem member, means to actuate said jaw members, tool supporting projections on said jaw members, and additional projections adapted to engage and contract the skirt of a cap, and a member engageable with the top of a cap and bearing against said supporting projections during the use of the tool.

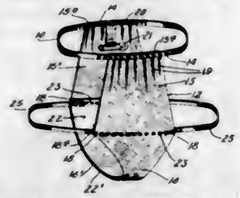
2,134,924
METHOD OF ACHIEVING ABSOLUTE STERILIZATION
Alexandra Moon, Los Angeles, Calif., assignor to Margaret Crosse, Los Angeles, Calif.
Application November 1, 1933, Serial No. 696,121
5 Claims. (Cl. 21—58)



1. The method of achieving absolute sterilization of various materials which consists in subjecting said materials to a primary vacuum of not less than 29½ mercury inches to open the cell structure of the material and to extract oxygen therefrom, then exposing said material to a dry lethal gas without materially reducing said primary vacuum and without re-pumping; then holding said reduced primary vacuum in a static condition for a predetermined interval of time; and then alternately subjecting said material to a high degree of vacuum and to atmospheric oxygen to remove the lethal gas from the cell structure.

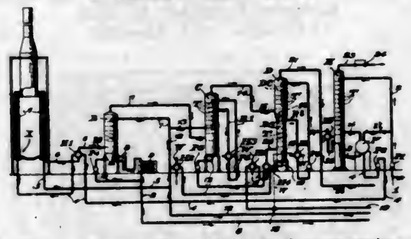
2,134,925
SANITARY PROTECTOR
Homer E. Nichols, Bridgeport, Conn., and Louis Rabiner, New York, N. Y.
Application August 20, 1937, Serial No. 160,000
1 Claim. (Cl. 128—288)

In a sanitary protector the combination of a narrow crotch section; relatively wide back and front fabric sections spaced laterally and each having edges which change direction between waist and crotch; a moisture-impervious liner having ends attached to the front and back sections substantially at the point of said direction change; hip straps attached substantially at said point to draw said front and back sections to conform to the figure; permeable areas in said



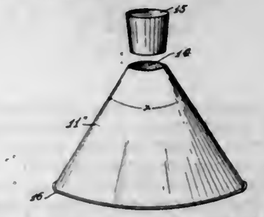
front and back sections adjacent the waist-line of the protector; an elastic band at the waist-line for retaining the garment; said front and back sections being attached in gathered condition to said band to accommodate fullness of the figure; and said permeable areas terminating substantially at said waist-band and said point of direction change.

2,134,926
PROCESS OF CRACKING HYDROCARBON OIL AND RECOVERING STABILIZED DISTILLATE
Povl Ostergaard, Mount Lebanon, Pa., assignor, by mesne assignments, to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 3, 1935, Serial No. 52,717
Renewed February 18, 1938
4 Claims. (Cl. 196—9)



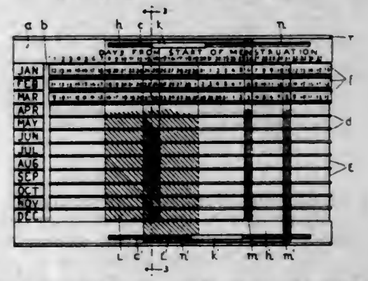
1. The process of making and recovering stabilized gasoline of high anti-knock value, which comprises: passing a mixture of hydrocarbon oil and hydrocarbons having 3 to 4 carbon atoms per molecule through a conversion zone wherein the mixture is heated to a temperature effective to crank the oil; passing vaporous and gaseous products of said cracking through a separating and fractionating zone to condense and remove constituents higher boiling than gasoline; passing the thereby fractionated gases and vapors under an elevated pressure and at a temperature substantially above atmospheric directly to a condensing zone, wherein said vapors are refluxed with relatively cool, unstabilized condensate to effect a condensation of further quantities of unstabilized condensate, a portion of said condensate being withdrawn from said zone at a point below the point of introduction of said fractionated gases and vapors, cooled and then returned to the upper part of said zone as a refluxing and condensing medium; delivering a further portion of the unstabilized condensate recovered in said condensing zone to a separate stabilizing zone and therein rectifying it to remove undesirably light constituents therefrom as vapors and to stabilize the remaining gasoline condensate; delivering vapors liberated in said rectification to said condensing zone; withdrawing uncondensed gases and vapors and stabilized gasoline condensate from the upper part of said condensing zone and the lower part of said rectifying zone, respectively; recovering hydrocarbons having 3 to 4 carbon atoms per molecule from said uncondensed gases and vapors; and recycling the thereby recovered hydrocarbons to said conversion zone.

2,134,927
TACK CONTAINER
Ralph Peppiatt, Freeport, N. Y.
Application April 8, 1937, Serial No. 135,648
8 Claims. (Cl. 229—7)



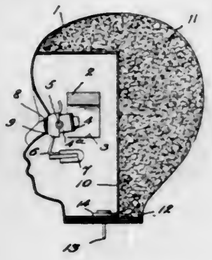
1. An invertible, sterilized, dust-proof, dispensing container, comprising a tapered body with a substantially broad base and a closable, relatively small discharge opening at its apex, the container being so arranged as to provide, when inverted, a mildly sloping wall or walls for the purpose of assuring a gradual, slow feeding-down of the contents, without undue abruptness or spilling, the wide base of the container serving to prevent overturning of the container when at rest in upright position, and wherein all parts of the tapered body portion of the container are symmetrically arranged about its vertical center axis, and wherein its base dimensions are equal to or longer than its tapered wall or walls.

2,134,928
CYCLE CALENDAR
William J. Rahn, Chicago, Ill.
Application February 10, 1937, Serial No. 125,011
2 Claims. (Cl. 40—109)



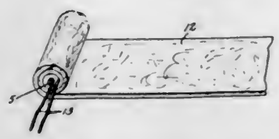
1. The combination, in a cycle calendar, of a slotted plate having twelve grooves therein corresponding to the twelve months of the year, and a band slidably mounted in each groove having thereon the days of the corresponding month and the days of the succeeding month, with two transparent indicator members, each composed of one non-colored and two different colored sections and having springs to engage the slots of the plate for mounting the indicator members on the plate in overlapping relation and with the zones formed by the sections lying transversely of the month day bands, substantially as set forth.

2,134,929
CLOTH DOLL WITH SLEEPING EYES
Nathan Redlich, Jr., New York, N. Y.
Application February 27, 1936, Serial No. 65,956
4 Claims. (Cl. 46—167)



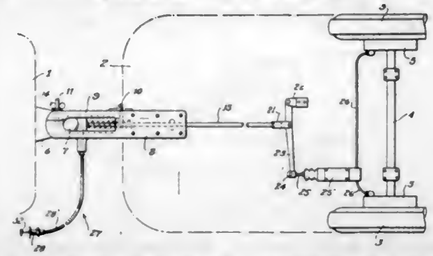
1. In doll construction, the combination which comprises a head made of a relatively flexible textile material, a pair of eye sockets arranged in said head, a horizontal reinforcing rod within and extending across said head, shoulder blocks attached to the ends of said reinforcing rod and providing a substantial reinforcing surface at the sides of the head, said reinforcing rod and said shoulder blocks being adapted to impart rigidity to said head substantially in the plane of said eye sockets without material loss of softness, a stationary transverse member mounted in between said shoulders, a shaft rotatably mounted in said transverse member, a pair of doll's eyes rigidly connected to said shaft and forming a single rotatable unit therewith adapted to co-operate with said eye sockets, and a counterweight associated with said shaft and adapted to cause rotation thereof.

2,134,930
TAMPON AND METHOD OF MAKING IT
Dutton C. Reynolds, Los Angeles, Calif., assignor to Holly-Pax, Inc., Los Angeles, Calif., a corporation of California
Application September 3, 1935, Serial No. 38,861
10 Claims. (Cl. 128—285)



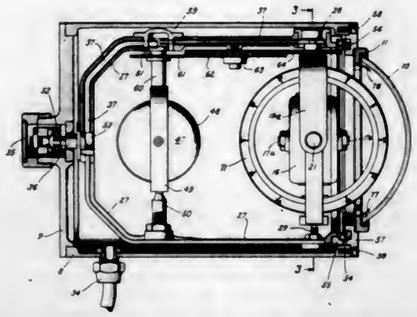
7. A catamenial tampon approximately cylindrical in shape and of length less than the average distance between the vaginal sphincter muscle and the cervix and consisting of fibrous, absorbent material, such as cotton, compressed transversely to substantially the limit of compressibility, but not longitudinally, said transverse compression being so intense as to maintain the tampon in its compressed size and shape during insertion, and so long as it remains in dry condition, said tampon re-expanding when wetted only transversely, and a string extending longitudinally interiorly of the tampon for the entire length thereof, one portion thereof being arranged in a single loop about the body of the material and the other portion forming ends extending outside of the tampon to form a pull cord.

2,134,931
AUTOMATIC HITCH AND BRAKE MECHANISM
Jasper L. Salerno, East Haven, Conn.
Application April 5, 1937, Serial No. 135,194
5 Claims. (Cl. 188—142)



1. A brake operating mechanism for trailers comprising, a member extending from a pulling vehicle, a ball like member carried thereby, a shell like member attached to the trailer, said shell like member comprising a guide-way for the ball member, a plunger head fitted within said shell like member, spring actuated plunger means associated with said head, said plunger being adapted to actuate the brakes on the trailer, and pivoted means on said shell for permitting attachment of said ball like member.

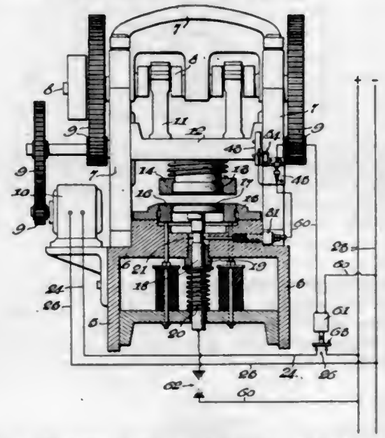
2,134,932
GYROCOMPASS
Wesley L. Smith, Cranford, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application October 26, 1933, Serial No. 695,359
Renewed February 17, 1938
17 Claims. (Cl. 33—226)



1. In combination, a casing adapted to be mounted on an instrument board, a frame pivotally mounted in said casing for angular movement about a horizontal axis, a gyro-pendulum pivotally mounted in said frame and within the boundary thereof for angular movement about a second horizontal axis at an angle to the first horizontal axis, an azimuth gyro also pivotally mounted in said frame and within the boundary thereof for angular movement about a horizontal axis parallel to the second axis, a compass card controlled by said azimuth gyro, and means connecting said gyro-pendulum and said azimuth gyro within said frame whereby the gyro-pendulum applies a torque to and thus causes the azimuth gyro to precess about a vertical axis until its axis of rotation is in the plane of the earth's axis and parallel to the earth's surface, said precession being indicated on said compass card and whereby said compass card retains the positions

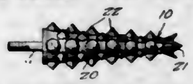
of said gyro pendulum about either of two mutually perpendicular horizontal axes of said card to indicate an inclination relative to said casing.

2,134,933
STOP MECHANISM FOR PRESSES
Dixon Hinshaw Smith, San Jose, Calif., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application August 20, 1937, Serial No. 160,180
6 Claims. (Cl. 113—38)



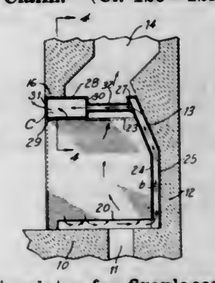
1. In a press, the combination of a reciprocable crosshead, a forming die carried by said crosshead, forming means engageable by said die and including a knockout pad movable inwardly with the die during the forming operation and returnable upon withdrawal of the die to eject the formed article, and means effective upon sticking of said pad to stop operation of the press, said last named means including a switch movable to a circuit closing position when the pad is in its inwardly moved position and a switch movable to a circuit closing position when said cross head is in a die retracted position.

2,134,934
DENTAL IMPLEMENT
Joseph D. Wilhoit, Louisville, Ky.
Application May 17, 1937, Serial No. 143,155
1 Claim. (Cl. 15—23)



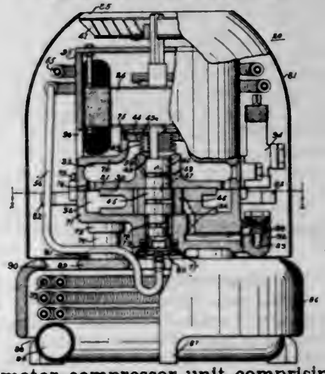
A resilient dental implement comprising an elongated, frusto-conical body formed with cone-shaped, resilient side members and a similar shaped, resilient end member having a base coincident with the smaller base of said body and a major axis coincident with the major axis of said body, some of said side members formed on said body adjacent said end member, said adjacent side members having a more acute vertex angle than said end member and having an oblique-conical shape, inclined toward said end member and having vertexes located in a plane intersecting said end member and substantially normal to the major axis thereof, whereby upon rotation of said body about its major axis, said oblique-conical side members will be resiliently deformed in a direction opposite to the direction of rotation of said body to effect a cleaning of the necks of the teeth on the faces thereof abutting the marginal line of the gum and a massaging of the adjacent gum tissues, and said cone-shaped end member will be only imperceptibly deformed where it contacts adjacent teeth to effectively clean the spaces therebetween and provide a relatively stable rotational axis for said implement.

2,134,935
FIREPLACE HOT AIR CIRCULATOR
Thomas B. Winnett, Los Angeles, Calif.
Application September 7, 1937, Serial No. 162,614
1 Claim. (Cl. 126—121)



A hot air circulator for fireplaces and adapted to be inserted within a previously built fireplace, said circulator comprising: two hollow, vertical side panels, a substantially vertical rear hollow panel, and a hollow top front member, said side and back panels having means for admitting cold air near the bottom thereof, and said top front member having a warm air outlet in the front thereof; and means for conducting air from said side and back panels to said top front member, said side panels being disposed in front of and engaging the back panel to thereby hold the latter in place and said top front member having its ends extended over and supported upon the tops of said side panels, said panels and top member being formed as separate units whereby the same may be inserted within a previously completed fireplace without modification of the latter.

2,134,936
MOTOR COMPRESSOR UNIT FOR REFRIGERATING APPARATUS
Robert M. Getchell and Ralph K. Miller, Dayton, Ohio, assignors, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application October 30, 1928, Serial No. 315,988
Renewed February 24, 1937
6 Claims. (Cl. 230—139)



1. A motor-compressor unit comprising a casing in which a compressor is sealed in fluid-

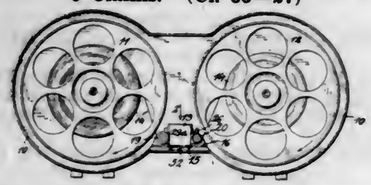
tight relationship, a motor stator supported exteriorly of and connected to said casing, a drive shaft passing through a stuffing box in said casing, said shaft having a driving connection with said compressor in said casing and supporting a motor rotor exteriorly of said casing in operative relationship to said stator, lubricated bearing means for supporting said shaft and extending a sufficient longitudinal contact along said shaft and being of a nature to align said shaft, means positively circulating lubricant to said lubricated bearing means, the entire lubricated bearing means being within said sealed casing and forming the sole bearing support for said shaft.

2,134,937
SOUND TRANSMITTING VENTILATOR
Jacob M. Goldberg, Denver, Colo.
Application August 5, 1937, Serial No. 157,558
3 Claims. (Cl. 98—96)



1. A sound transmitting ventilator and baffle for use in an opening in a partition, comprising two disks of somewhat greater dimensions than the opening and means for clamping the disks against opposite sides of the partition, each disk having a plurality of long narrow openings separated by solid material, the edges of the material bounding the openings being inclined rearwardly terminating adjacent but out of contact with the solid material between the openings of the other disk whereby sound waves may freely pass and air currents passing through the openings will strike the solid material between the inclined sides and will be constrained to travel in tortuous paths so as to prevent the formation of strong drafts.

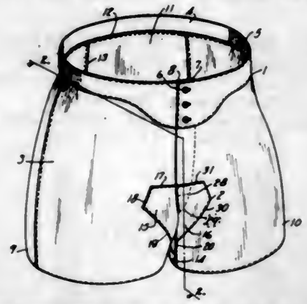
2,134,938
SCRIBER FOR MOVING-PICTURE FILMS
Jacob M. Goldberg, Denver, Colo.
Application September 30, 1937, Serial No. 166,673
6 Claims. (Cl. 33—27)



1. In a film rewind device having a supply reel and a rewind reel mounted to rotate on spaced parallel axes, a film scribing mechanism, positioned between the reels, comprising, in combination, a base, two rollers mounted thereon for rotation about spaced parallel axes, one of the rollers having sprocket teeth for engagement with the sprocket holes of a film, a scriber mounted for rectilinear reciprocating movement in a direction substantially parallel with the axes of the rollers, and means driven by the rotation of the toothed roller for reciprocating the scriber with a substantially simple harmonic motion.

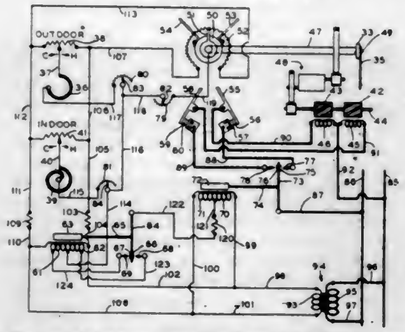
2,134,939
UNDERGARMENT
Julian F. Goodenow, Kansas City, Mo., assignor to Goodenow Textiles Company, Kansas City, Mo., a corporation of Missouri
Application April 23, 1937, Serial No. 138,620
4 Claims. (Cl. 2—225)

3. In a garment of the character described, a body member consisting of leg, seat, fly and waist members, and a reinforcement consisting of a patch having adjacent lower inner portions secured to the leg members of the garment and



having upper inner portions each folded around and secured to adjacent fly members for securing the patch to the garment and reinforcing the same.

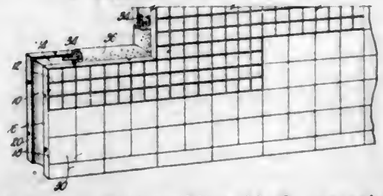
2,134,940
PROPORTIONING COOLING SYSTEM
Arthur C. Grant, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application August 21, 1933, Serial No. 686,181
5 Claims. (Cl. 236—91)



1. In combination, cooling means for cooling a space to be cooled, a movable member having a predetermined range of operative movement, space temperature responsive means in control of said movable member and adapted to move the same through its operative range of movement upon change in the space temperature over a relatively wide allowable range of fluctuation during warm weather, control means associated with said movable member and cooling means and controlled by the former to operate the latter to supply maximum cooling when said movable member is at one of the limits of its range of operative movement, to supply minimum cooling when said member is at its other limit of its range of operative movement and to supply variable cooling as said movable member traverses its range of operative movement, a second movable member having a predetermined range of operative movement, outdoor temperature responsive means in control of said second movable member and adapted to move the same through its operative range of movement upon a change in outdoor temperature which is larger than said space temperature change, and control means associated with said second movable member and cooling means to operate said cooling means upon an increase in outdoor temperature to supply a larger cooling

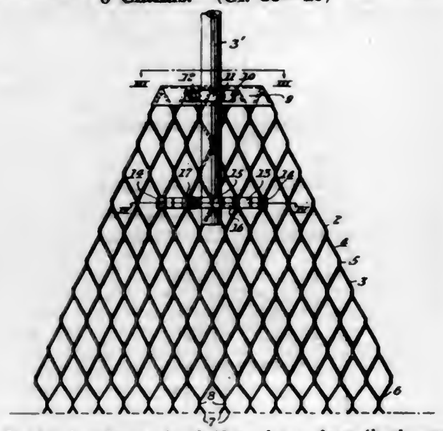
effect than that demanded by said first movable member whereby said second movable member anticipates changes in the space temperature.

2,134,941
BUILDING BLOCK
Emile S. Guignon, Jr., Kansas City, Mo.
Application January 12, 1938, Serial No. 184,607
9 Claims. (Cl. 189—34)



7. A sheet metal building block comprising a pair of hollow tray-like sections having the rims of their open sides contiguous; and means carried by the sections for securing together the same, each of said sections comprising a flat side wall, and a laterally extending circumscribing edge wall at the periphery of the side wall, said edge wall having its outer marginal edge arched inwardly to provide space between adjacent blocks of a building for the reception of reinforcing materials, said flat side wall of each section being provided with a series of flange-engaging elements.

2,134,942
IMPLEMENT
John C. Harkness, Glencoe, Ill., assignor to The Consolidated Expanded Metal Companies, a corporation of West Virginia
Application January 6, 1936, Serial No. 57,693
8 Claims. (Cl. 55—10)



3. An implement of the class described comprising a head having a portion thereof extending at an angle to the body of the head and having teeth whose axes are laterally inclined joined together in said portion of the head.

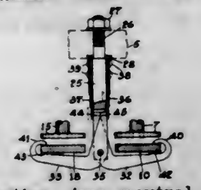
2,134,943
BRAKE ARRANGEMENT
William C. Hedgcock, Wilmette, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application March 11, 1937, Serial No. 130,366
27 Claims. (Cl. 188—56)

1. In a brake arrangement, the combination of a truck frame having a load carrying member, a car body supported on said load carrying member, spaced wheel and axle assemblies supporting said truck frame, brake beams disposed at opposite sides of each of said wheel and axle assemblies, connecting means between the opposite brake beams of one wheel and axle assembly, said means including a pull rod pivoted to one of said last named brake beams, a truck lever pivoted to said pull rod and to said car body and carried by said brake beam, a second truck lever pivoted to said first truck lever and to the adjacent brake beam, connecting means between



the opposite brake beams of another wheel and axle assembly, said second named means including a pull rod pivotally connected to one of said brake beams of said last named wheel and axle assembly, a truck lever pivoted to said last named pull rod and to brake operating means and carried by said brake beam of said last-named wheel and axle assembly, a truck lever pivoted to said last named truck lever and to another brake beam of said last named wheel and axle assembly, and a connection between said second and third named truck levers, said connection extending above said load carrying member.

2,134,944
TRACTIVE TYPE RELAY
Winthrop K. Howe and Joseph F. Merkel, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Application December 29, 1932, Serial No. 649,368
6 Claims. (Cl. 246—219)

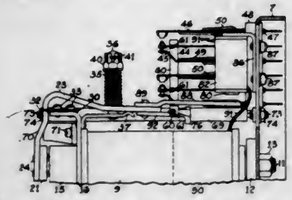


1. In combination, two neutral relays, each having a front contact, a back contact, an armature, and an operating winding for the armature, each armature being operable by its winding to make up its front contact, and interlock means including an arm operated respectively by each armature, and a detent on each arm positioned in the path of travel of the detent on the other arm preventing the positioning of both armatures to make up the back points at the same time, the interlock means permitting either armature to make up its back point only if the other is making up its front point.

2,134,945
RELAY
Winthrop K. Howe, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application July 20, 1934, Serial No. 736,260
11 Claims. (Cl. 200—93)

1. In a direct current relay, two spaced horizontal operating electro-magnets magnetically joined at their rear ends, a neutral armature operable to a position magnetically bridging the front ends of the electro-magnets, adjustable

compressing spring means biasing the neutral armature away from said bridging position, contact means positively operated in either of two directions by the neutral armature, a permanent magnet extending parallel to the operating electro-magnets, a pendulous vertical armature co-acting with the electro-magnets and the permanent magnet in a manner to distinctly respond to the polarity of energization of the operating electro-magnets, two vertical electro-magnets

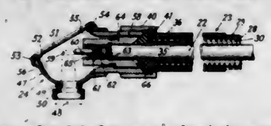


magnetically joined at their upper ends, a secondary winding on the horizontal operating electro-magnets connected to the vertical electro-magnets whereby the vertical electro-magnets are energized upon current changes in the operating electro-magnets, and a magnetic member attached to the neutral armature and co-acting with the vertical electro-magnets in a manner to retain the neutral armature in said magnetically bridging position during energization of the vertical electro-magnets.

2,134,946
RADIO SHIELDING MEANS

Roy T. Hurley, Dobbs Ferry, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application November 2, 1935, Serial No. 47,963
14 Claims. (Cl. 247—5)



1. A radio shield for an electric current carrying conductor comprising a flexible metallic tube, a synthetic rubber covering on said tube, and a metallic ferrule at each end of said tube surrounding said cover, the ends of said tube being electrically connected to said ferrules.

2,134,947
PROTECTIVE COSMETIC

Samuel Isermann, Summit, Ernst Ohlsson, Jersey City, and John W. Orelup, Summit, N. J.

No Drawing. Application September 13, 1935, Serial No. 40,434
3 Claims. (Cl. 167—90)

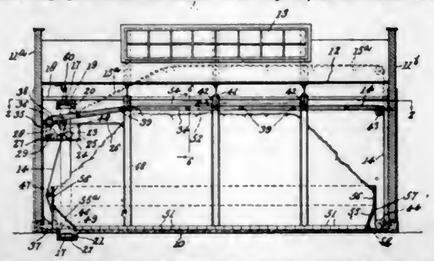
3. A cosmetic effective in thin films to retard absorption of light of short wave length containing as an active ingredient a compound selected from the following group: cinnamal acetophenon and dibenzal acetone, in a vehicle capable of application to the skin, said active ingredient being present in an amount not substantially greater than 1% and being characterized by relative permanency, non-irritation and substantial lack of color and odor.

2,134,948
BULK STORAGE FOR GRANULAR MATERIALS

Jacob Henry Lienau, New York, and Jacob J. Neuman, South Salem, N. Y.

Application February 5, 1938, Serial No. 188,870
11 Claims. (Cl. 214—16)

1. A means for filling and emptying a storage space, comprising a combined loading and discharging endless conveyor, means supporting one run of said conveyor in an elevated position adjacent the upper portion of said storage space, means supporting the lower run of said conveyor adjacent the bottom of said storage space, said upper run comprising the loading portion of said conveyor, said lower run comprising the discharging portion of said conveyor, a second con-

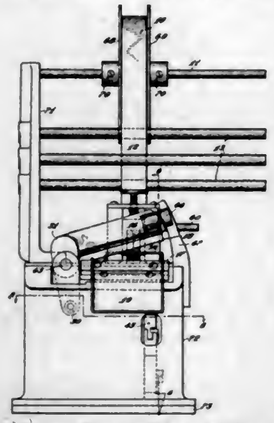


veyor disposed at right angles to said first conveyor, said second conveyor having the upper run thereof extending laterally of the upper run of said first conveyor and the lower run thereof extending laterally of the lower run of said first conveyor, means discharging material from the upper run of said first conveyor onto the upper run of said second conveyor, and means discharging the material from the upper run of said second conveyor into said storage space.

2,134,949
MACHINE FOR CUTTING STRIP MATERIAL FOR SHOES

Henry B. Lupien, Manchester, N. H., assignor to North American Holding Corporation, Syracuse, N. Y., a corporation of New York

Application June 1, 1936, Serial No. 82,781
12 Claims. (Cl. 164—42)



12. Apparatus for cutting strip material for shoes, comprising feeding means to intermittently advance the end of an elongate strip a predetermined distance, and severing means to intermittently cut a segment from the end of said strip, said severing means comprising a bell crank pivotally mounted intermediate its ends on a fixed fulcrum, a cutting blade secured to said bell crank adjacent one end thereof, a follower secured to said bell crank adjacent the other end thereof, a cylindrical cam having a groove engageable with said follower, and means for rotating said cam, said cam and follower being constructed

and arranged to cause said bell crank to reciprocate about said fulcrum during revolution of the cam thereby causing said cutting blade to intermittently cut a segment from the end of said elongate strip, said feeding means comprising a feed roll and a presser roll which yieldably grip said strip, a ratchet wheel attached to said feed roll and rotatable therewith, a pinion mounted for rotation in both directions adjacent said ratchet wheel, a pawl mounted on said pinion and engageable with the teeth of said ratchet wheel during rotation of the pinion in one direction only, a rack having teeth engageable with the teeth of said pinion, a link pivotally attached to said rack, a shaft mounted for rotation in both directions about its axis, two arms one attached to each end of said shaft and extending radially therefrom, a pivotal connection between one of said arms and said link, means to adjust said pivotal connection at different distances on said arm from the axis of said shaft, a second link pivotally connected to the other arm, a pivotal connection between the second link and the end of said cylindrical cam, said pivotal connection being located at a lesser radial distance from the axis of said cam than the radial distance between the axis of said shaft and the pivotal connection between the second link and its adjacent arm, whereby said shaft is rotated back and forth a predetermined number of degrees about its axis during each revolution of said cam, said cam groove and said pivotal connection between the second link and the end of the cam being constructed and arranged to revolve said pinion in the direction in which said pawl is engageable with the teeth of said ratchet wheel while said cutting blade is out of severing engagement with said strip.

2,134,950
GRAPHITIZED CARBON BLACK

Harold H. Offutt, Winchester, Mass., assignor to Godfrey L. Cabot, Inc., Boston, Mass., a corporation of Massachusetts

Application August 20, 1934, Serial No. 740,661
Renewed November 3, 1936
15 Claims. (Cl. 23—209)



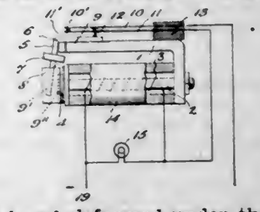
1. As a new product of manufacture, graphitized carbon black in the form of spherical granules having a relatively tenacious internal structure consisting of concentric shells of progressively increasing diameters bonded together with sufficient tenacity to withstand transportation in bulk without disintegration, the granules presenting polished exterior surfaces and having an apparent density in bulk of more than 12 pounds per cubic foot.

2,134,951
TIME DELAY RELAY

Bruno Piesker and Wilhelm Goy, Frankfort-on-the-Main, Germany, assignors to Prazisions-Werkstätten Seeger & Co. G. m. b. H., Frankfort-on-the-Main, Germany, a corporation of Germany

Application March 29, 1935, Serial No. 13,684
In Germany January 6, 1934
10 Claims. (Cl. 175—372)

1. In an electromagnetic relay of delayed operation, the combination comprising a magnetizable core, a winding on said core, a movable armature for said core, a thin intermediate layer of a solid, non-magnetic and non-oxidizing material located between the cooperating surfaces of said core and said armature, and a deformable plate of magnetizable material located in proximity of said armature, said plate capable of be-

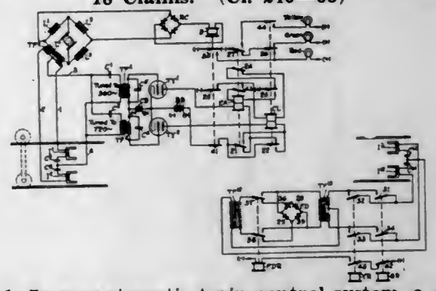


ing attracted and deformed under the magnetic action of said armature when said winding is energized whereby a surface of said armature will be frictionally engaged by said deformed plate and movement of said armature will be delayed.

2,134,952
AUTOMATIC TRAIN CONTROL SYSTEM

Winfred T. Powell, Brighton, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application February 18, 1937, Serial No. 126,423
18 Claims. (Cl. 246—63)

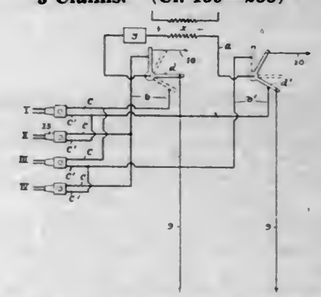


1. In an automatic train control system, a car carrying an inductor, a trackway having an inductor, means including said inductors for transmitting current of a first frequency from said car to said trackway, and means including said inductors for transmitting current of a second frequency derived from the current of said first frequency from said trackway to said car.

2,134,953
BOX LOOM

Walter Price, Ridgewood, N. J.

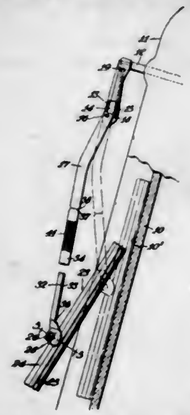
Application October 26, 1937, Serial No. 171,038
3 Claims. (Cl. 139—233)



1. In a weft-failure detecting means for a box-loom, an electric circuit including, with a main line and therein a source of energy and an electro-magnetic detection-indicating device, two

pairs of extension lines of which those of one pair are connectible with the main line at the positive side, and those of the other pair are connectible with the main line at the negative side, of said source, and a pair of branch lines extending from each extension line, said branch lines respectively providing terminals and those terminals at the positive side being paired with those at the negative side of said source and thereby forming four pairs of feeler contacts, in combination with a pair of circuit-closers one of which is movable to connect with the main line either independently of the other line of one pair of extension lines and the other of which is movable to connect with the main line either independently of the other line of the other pair of extension lines.

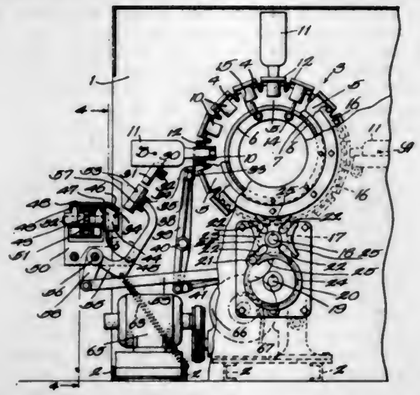
2,134,954
WINDSHIELD CLEANER
Anton Rappl, Buffalo, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application March 23, 1933, Serial No. 662,326
4 Claims. (Cl. 15—250)



3. In a windshield cleaner, a wiper blade having a connecter member and a wiper arm member, one member having a socket telescopically receiving the other member, said other member having a shoulder and said one member having a part defining a shoulder for abutment against the first mentioned shoulder to retain the members against longitudinal displacement, said part being rotatable relative to said other member to disengage the shoulders, and spring means tending to eject said other member from the socket and acting to hold the shoulders engaged when they are in abutment.

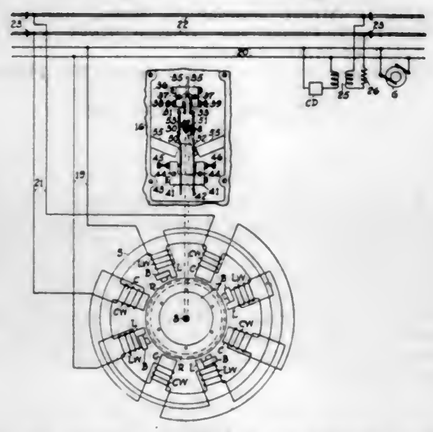
2,134,955
CONTAINER DISCHARGING APPARATUS
Ivan H. Risser, Chicago, Ill., assignor to U. S. Bottlers Machinery Company, Chicago, Ill., a corporation of Illinois
Application June 15, 1937, Serial No. 148,315
4 Claims. (Cl. 198—24)

1. The combination with a conveyor arranged to convey a bottle with an extended neck in inverted position and then lower same to a given station in reclining position and having a pocket adapted to snugly receive the neck of the bottle, said pocket being resilient and arranged to be capable of tilting on the conveyor from a normal position by force of weight of a bottle therein as it approaches said station, of means for directing the bottle from the station including means for engagement with the bottle at a point adjacent the center of gravity thereof as it approaches the station and arranged whereby during final



movement of the pocket to the station the bottle will be balanced on said engagement means and rock thereon into position at the station and the pocket will be moved with the bottle into its normal position on the conveyor.

2,134,956
ALTERNATING CURRENT RELAY
Marcian A. Scheg, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application April 25, 1936, Serial No. 76,405
11 Claims. (Cl. 175—320)

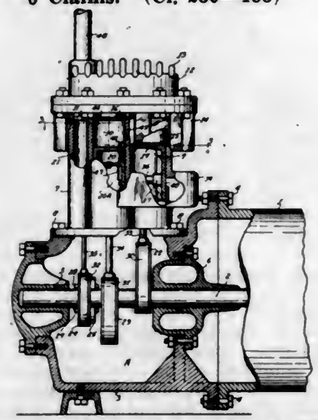


1. In combination with a two-element alternating current relay having a plurality of local poles constantly energized by a local winding and a plurality of control poles energized by a control winding energizable by current out of phase with the current in the local winding for producing a rotating magnetic field; means retarding a portion of the flux produced by the energization of the local winding so that the retarded flux reacts with the unretarded flux produced by the local winding to provide a magnetic field shifting in the opposite direction to the rotating magnetic field; and a rotor inductively actuated by either the first or the second magnetic field.

2,134,957
VULCANIZATION OF RUBBER
Lorin B. Sebrell, Silver Lake, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 6, 1936, Serial No. 89,124
12 Claims. (Cl. 18—53)

1. A process of accelerating the vulcanization of rubber which comprises vulcanizing in the presence of a basic nitrogen-containing accelerator and a preformed reaction product of a mercaptobenzothiazole, formaldehyde and a phenol.

2,134,958
REFRIGERANT COMPRESSOR
Lester C. Shuholm, Portland, Oreg.
Application July 23, 1937, Serial No. 155,232
6 Claims. (Cl. 230—183)



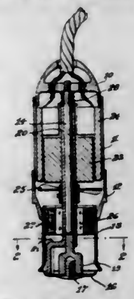
1. In combination, a low pressure cylinder; a piston operating therein; a high pressure cylinder; a piston operating in said high pressure cylinder, there being cooperating ports in the cylinder wall to control the intake and exhaust of the low pressure cylinder and to transfer said exhaust to the high pressure cylinder; and a separate valve controlling the exhaust of said high pressure cylinder.

2,134,959
MINERAL OIL PRODUCTS
Robert L. Sibley, Nitro, W. Va., assignor, by mesne assignments, to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application February 3, 1934, Serial No. 709,591
5 Claims. (Cl. 44—9)

1. A cracked hydrocarbon motor fuel to which has been added a small proportion of a member of a group consisting of diphenyl guanidine phthalate, diphenyl guanidine acid phthalate, aniline acid phthalate, hexamethylenetetramine acid phthalate, para amino phenol acid salt of phthalic acid and the para phenetidine acid salt of phthalic acid.

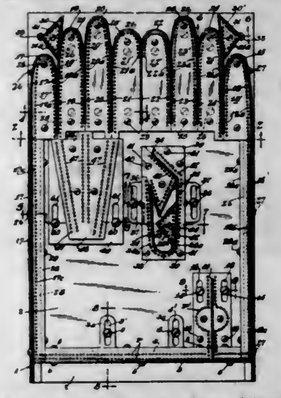
2,134,960
SHAVING IMPLEMENT
Nicholas Testi, Boston, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application June 12, 1936, Serial No. 84,938
14 Claims. (Cl. 30—43)

4. A shaving implement comprising a cylindrical casing having a smooth outwardly flaring end, a toothed disk supported adjacent to the end of the casing and within the same, being



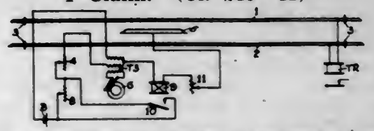
separated therefrom by an annular space, and a cutter arranged to rotate upon the inner face of said disk.

2,134,961
DIE FOR FORMING GLOVE BLANKS
Louis P. Van der Essen, Gloversville, and James R. Lesser, Johnstown, N. Y.
Application November 1, 1937, Serial No. 172,092
2 Claims. (Cl. 164—29)



2. A device for cutting a glove blank and for perforating thread-receiving openings in said glove blank, said device having cutting means for cutting the blank, said device also having perforated supporting means connected thereto, perforating members removably held in operative position in the perforations of said supporting means, said perforating members having pointed ends which project outwardly of said supporting means, and additional means removably connected to said supporting means and holding the perforating members against inward movement relative to said supporting means.

2,134,962
TRACK CIRCUIT FOR RAILROADS
Floyd T. Warmington and Louis Rupert, Detroit, Mich., assignors to General Railway Signal Company, Rochester, N. Y.
Application August 27, 1934, Serial No. 741,615
1 Claim. (Cl. 246—41)



A track circuit comprising a battery, a transformer with two equal independent secondaries

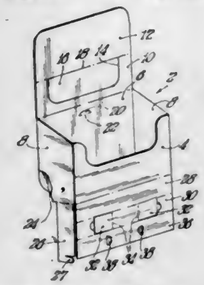
so connected to the rails and through an electro-responsive device to ground that there is no difference in alternating current potential between the rails and equal alternating current potential from each rail to ground, and means governed by said device for varying the voltage applied from the battery to the track circuit to conform with variations in ballast resistance.

2,134,963
PLASTER BANDAGE
Harry M. Weber, Newton, Mass.
Application February 16, 1935, Serial No. 6,881
8 Claims. (Cl. 128—91)



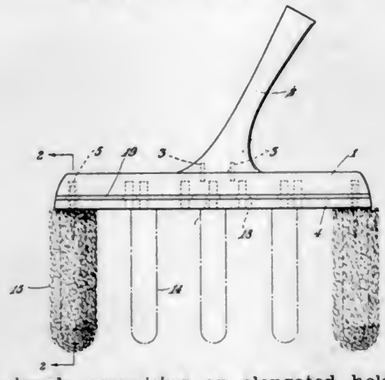
1. In the manufacture of a plaster bandage, the steps of impregnating gauze with gypsum and winding to form a compact roll, saturating said roll with a liquid containing a binder, and heat treating the said saturated roll to dehydrate said gypsum to plaster of Paris.

2,134,964
CONTAINER
Earl B. Whitehead, Norwich, Conn., assignor to Atlantic Carton Corporation, Norwich, Conn., a corporation of Connecticut
Application May 18, 1936, Serial No. 80,250
2 Claims. (Cl. 206—45)



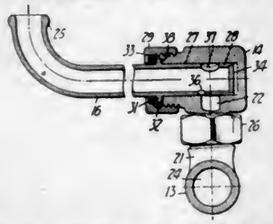
1. A collapsible carton of the class described including vertical front and rear walls of a certain width connected by vertical side members of a certain equal width, a horizontal bottom wall substantially equal in width to said front and rear walls extending rearwardly from the lower marginal edge of the front wall and being of less width than said side members so as to provide an open space at the bottom rear of the carton, a connecting member hinged to the rear marginal edge of said bottom wall swingable between a horizontal space-closing position co-planar therewith and a vertical space-opening position extending upwardly substantially at right angles thereto, a tier member hinged to the rear marginal edge of said connecting member for swinging between an upwardly-extending position adjacent the inside of the rear wall when said connecting member is in its said horizontal position and a horizontal position substantially at right angles to the connecting member when the latter is in its said vertical position, a pair of flap members extending inwardly towards one another from the lower marginal edges of said side members and underlying said bottom wall, and engaging means associated with said flap members holding the same in bottom wall supporting position.

2,134,965
BRUSH FOR VENETIAN BLINDS
Sam Zbarsky, Brooklyn, N. Y.
Application December 7, 1937, Serial No. 178,478
1 Claim. (Cl. 15—210)



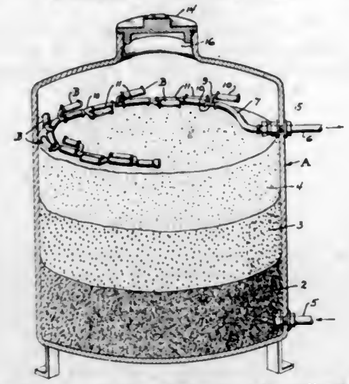
A brush comprising an elongated holder, a series of openings along one side thereof, said series including two sets of equally spaced openings with the end openings common to both sets, a plurality of substantially parallel brushing members adapted to be inserted in said openings, a core for each of said members, a brushing element secured around said core, a threaded member held centrally within and projecting from one end of said core and a nut in each of said openings into which said threaded member is adapted to be held.

2,134,966
FAUCET
Arthur L. Boscow and Arnold V. Worthington, Oakland, Calif.
Application May 7, 1936, Serial No. 78,390
2 Claims. (Cl. 251—4)



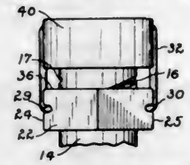
2. A faucet comprising a body member provided with a horizontally extending cylindrical bore and a fluid passageway leading into said bore at a side thereof, a discharge conduit having a cylindrical portion fitting in said bore for rotation about the axis of the bore and provided with diametrically opposed openings alternately registering with said passageway upon rotation of said conduit, and means adjustably positioning said conduit longitudinally in said bore for varying the registration of said openings with said passageway independent of the rotative positioning of the conduit.

2,134,967
FILTER
Leo Durgen, San Francisco, Calif.
Application May 10, 1937, Serial No. 141,695
4 Claims. (Cl. 210—171)



1. In a filter of the character described, a tank, a plurality of individual filter units disposed in the tank to which liquid to be filtered is delivered under pressure, said tank having a discharge outlet, a plurality of flexible conduits, one between each filter unit, said flexible conduits forming a common discharge conduit for all of the filter units; and means for connecting said conduit with the discharge outlet of the tank.

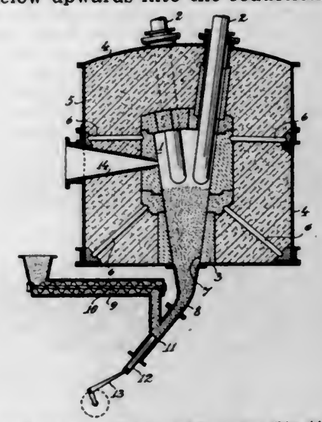
2,134,968
QUICK-ACTING CLOSURE FOR TUBES, BOTTLES, AND THE LIKE
Solomon C. Endicott, Eugene, Oreg.
Application March 30, 1936, Serial No. 71,761
1 Claim. (Cl. 215—70)



In a closure the combination with a receptacle including a neck having exterior spiral grooves thereon and a pair of opposed diverging grooves on said neck, of an annular collar for said neck having opposed openings therethrough, horizontal, tangentially disposed grooves on its outer face, and vertically disposed grooves terminating in said tangentially disposed grooves; a resilient bail having a pivotally mounted cap thereon, and the ends of said bail terminating in inturned pins adapted to journal in said openings.

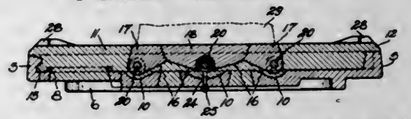
2,134,969
PRODUCTION OF MAGNESIUM
Konrad Erdmann, Radenthein, Austria, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa.
Application December 29, 1936, Serial No. 118,076
In Austria January 10, 1936
5 Claims. (Cl. 75—10)

1. Process for the electro-thermic production of magnesium from oxidic magnesium compounds, of which no residue is left behind in the reaction chamber, comprising the steps of blending a mixture of the oxidic compound and a reducing agent with a slight amount of a liquid binder sufficient to convert the mixture into a fairly coherent plastic mass, and stuffing the so plastified mixture, in the form of a confined vertical mass, from below upwards into the reduction chamber



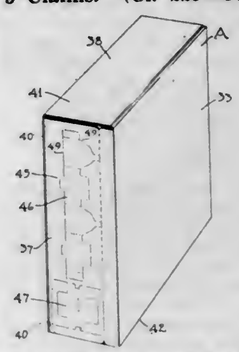
in such a manner that said mass fits tightly into the hole of the charging opening while remaining in a plastic condition, and introduction of substantial amounts of air with the charge is prevented.

2,134,970
INGOT STOOL
Howard Felsing, Wheeling, W. Va.
Application July 1, 1936, Serial No. 88,324
5 Claims. (Cl. 22—139)



1. An ingot stool consisting of a cast gray iron ingot supporting floor having its perimeter encase within and reinforced by a base of steel, a depression formed in an area of said floor, and a removable section received by said depression occupying substantially the same plane as that occupied by the ingot supporting floor.

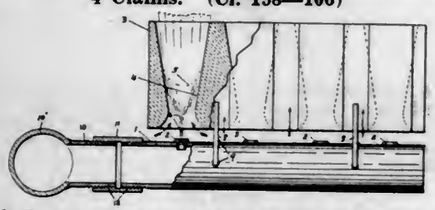
2,134,971
CARTON
Reynolds Guyer, St. Paul, Minn., assignor to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota
Application March 27, 1937, Serial No. 133,395
3 Claims. (Cl. 229—37)



1. A carton having two juxtaposed walls, a flap issuing from an edge of one of said walls and

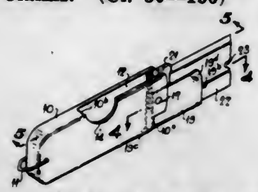
overlying the other of said walls, said flap having a line of weakening extending generally in the direction of the edge of said first named wall and forming on the flap a stub disposed between said line of weakening and the edge of said first named flap, and a card issuing from the stub and disposed outwardly thereof, said card being detachable from the stub along the line of weakening, said stub being glued throughout its extent to the wall which the flap overlies to connect the walls together, and maintaining said walls connected upon detachment of said card, said card at a locality outwardly from said line of weakening being tacked to said wall to hold the card in position prior to detachment.

2,134,972
GAS BURNER
Roy L. Haney, San Francisco, Calif.
Application October 23, 1934, Serial No. 749,546
4 Claims. (Cl. 158—106)



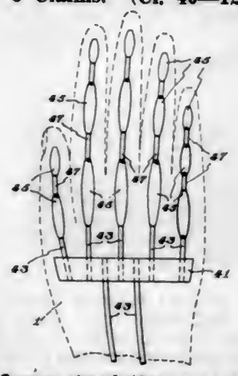
1. In a gas burner having a row of spaced gas outlet openings, a single, horizontally elongated generally rectangular block of refractory material formed with a row of vertical through passageways spaced to match said gas outlet openings, and means supporting said block over said gas outlet openings with its passageways respectively aligned thereover and with the block spaced outwardly from and above said openings, said passageways through the block being of Venturi tube form with the throat portion spaced further from the outer side of said block than from the side toward the openings whereby the portion of the block between adjacent passageways will form partition walls therebetween tapering from appreciable thickness at the level of the throat to appreciably reduced thickness at the upper ends of the passageways.

2,134,973
KNIFE
Wilbur F. Harwell, Charlotte, N. C.
Application January 29, 1938, Serial No. 187,708
5 Claims. (Cl. 30—156)



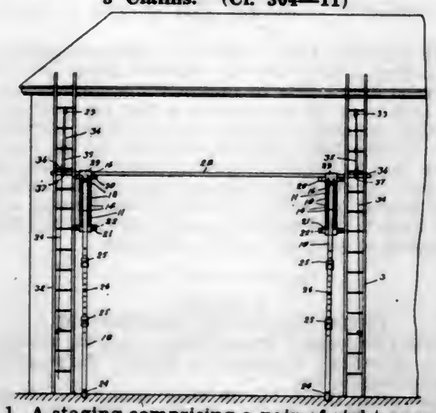
1. A device comprising a handle member, a blade holding member having one end disposed within the handle member and pivotally connected thereto, a blade locking member having one end pivotally mounted within the handle on the same pivot as the blade holding member, said blade having a hole intermediate its ends, said blade locking member having outwardly extending prongs disposed on each side of the blade, and one of the prongs having a projection adapted to fit into said hole so that when the outer ends of the blade locking member are positioned within the blade holding member, the blade will be locked in position within the blade holding member.

2,134,974
DISPLAY FORM
Nelson Hurwitz, Brooklyn, N. Y.
Application August 31, 1937, Serial No. 161,787
9 Claims. (Cl. 40—126)



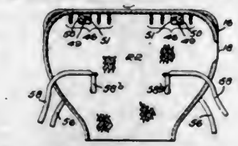
1. In a figure simulating an animate object, the combination of a flexible base material formed to the shape of said object, and a skeleton framework representing said object embedded in said base material, said framework being made of a flexible material having greater stiffness than said base material and being non-resilient whereby it will retain the parts of said object in any position of adjustment, and said framework being formed at least in part of individual, unitary metal strips having alternate sections of relatively greater and lesser flexibility in a predetermined direction.

2,134,975
STAGING
Aristides Kakides, Haverhill, Mass.
Application May 24, 1938, Serial No. 209,688
3 Claims. (Cl. 304—11)



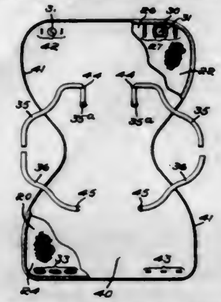
1. A staging comprising a pair of right angular shaped brackets, each arranged to provide a wall engaging portion and a platform supporting portion and a socket at the vertex of the angle between said portions, a stiff brace for each bracket having one end adapted to be engaged with the bracket in the socket thereof and having the opposite end adapted to be fixed to the ground, a platform on the supporting portions of said brackets and means for supporting the platform independently of said brackets and for raising and lowering it with relation thereto.

2,134,976
GARMENT AND FASTENING MEANS
John R. Lankenau, Brookline, Mass.
Application May 20, 1937, Serial No. 143,767
4 Claims. (Cl. 128—284)



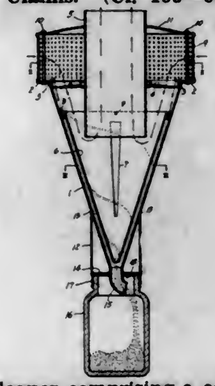
1. A lower garment for infants, said garment comprising one or more similarly shaped fabric plies proportioned to form front and rear garment sections each comprising a waist portion and an intermediate connecting leg portion of reduced lateral extent, the rear section being so proportioned laterally that its side edge portions may be brought around at the front of the wearer to adjustable extents, the front section having at each side of its waist portion a plurality of laterally spaced vertically elongated eyelets, the rear section having at each side of its waist portion one or more buttonholes, and, for each side of said front section, a flat, inelastic one-piece fabric fastening strip for reception in a selected pair of the eyelets, said strip having a total extent not greatly exceeding twice the distance between adjacent eyelets, so as to form a flat band snugly surrounding the material between said eyelets, and having a button at one end portion and a buttonhole spaced from the button lengthwise the strip, said button and buttonhole being first interengageable to secure the strip removably in position in said eyelets of the front section, and said button being thereafter receivable in a buttonhole at the corresponding side of the rear section, to secure the garment in adjusted wearing position.

2,134,977
GARMENT AND MOISTUREPROOF COVER MEANS
John R. Lankenau, Brookline, Mass.
Application July 15, 1937, Serial No. 153,771
1 Claim. (Cl. 128—284)



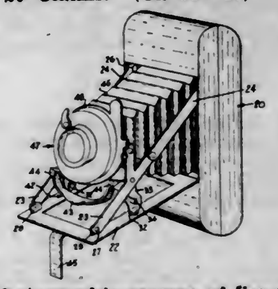
In a garment of the diaper type, in combination, a fabric element having front and rear sections each including an upper portion and a connecting leg portion, button means at the upper portion of one section engageable with buttonhole formations on the upper portion of the other section, for securing them together in wearing position, a moisture-proof cover means overlying said fabric element, said means comprising a sheet of thin rubber material of a size and shape to cover substantially the entire area of said fabric element, and means for retaining said elements in position relative to each other, including one or more buttons and cooperating buttonholes on the fabric element, and button-receiving aperture formations in said thin rubber cover element adjacent each such button and buttonhole, for the passage of the corresponding button, each such formation in said thin rubber element comprising a slot of a length approximating the diameter of the button to be received, said slot merging at each end into a substantially circular terminal portion symmetrically disposed relative to the longitudinal axis of the slot and of a diameter exceeding the width of the latter.

2,134,978
AIR CLEANER
Alexander Marshall, Portland, Oreg.
Application January 22, 1937, Serial No. 123,581
9 Claims. (Cl. 183—90)



6. An air cleaner comprising a conical housing open to the atmosphere at one of its ends, means at the open end of the housing for directing air and dust thereinto in a swirling motion, means for drawing off the air after it has entered the housing and normally reversed itself and thereby created a low pressure area below said point of reversal, a sealed container in open communication with the interior of said housing adjacent said low pressure area and adapted to receive the dust discharged from the swirling air, and means for breaking up the swirling motion of the dust beyond that end of the housing in open communication with the receptacle, said means comprising a duct extending downwardly and laterally from said housing.

2,134,979
PHOTOGRAPHIC CAMERA
Bruno Mayer, New York, N. Y.
Application March 12, 1938, Serial No. 195,468
20 Claims. (Cl. 95—40)



1. In a photographic camera of the collapsible type having a housing with an open front, a drop

cover for said front and a pair of braces, each brace including a pair of pivoted arms, one of said arms being pivotally connected to said housing and the other of said arms being pivotally connected to said cover; means for maintaining each of said braces in extended position, and means connected with said former means for simultaneously releasing and actuating said former means whereby said arms may be respectively brought toward each other to close said cover.

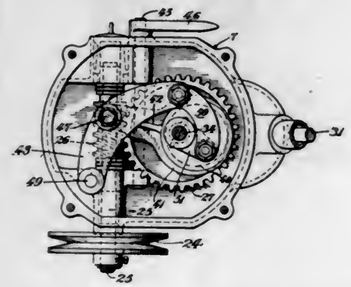
2,134,980

WASHING MACHINE DRIVING MECHANISM

John Mikulasek, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware

Original application May 14, 1932, Serial No. 611,279. Divided and this application November 29, 1935, Serial No. 52,080

15 Claims. (Cl. 74—75)



1. In a gearing for washing machines provided with a tub, an oscillating shaft extending into said tub, drive means on said oscillating shaft, a constantly driven shaft driven by said drive means, an eccentric for oscillating the shaft and clutch means for connecting and disconnecting said drive means and eccentric.

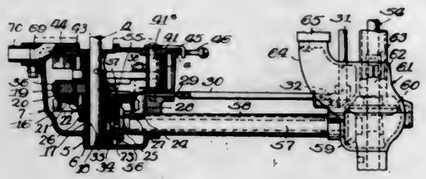
2,134,981

POWER UNIT FOR WASHING MACHINES

John Mikulasek, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware

Application August 6, 1936, Serial No. 94,557

7 Claims. (Cl. 74—75)



1. In a power unit for driving the agitator shaft of a washing machine, a drive member, an eccentric loosely mounted on the agitator shaft and adapted to be carried by the drive member and rotatable therewith, a connecting rod associated with the eccentric, a link connected to the rod intermediate its ends and fulcrumed at its one end with its other end connected to the agitator shaft to produce a rapid acceleration at the beginning of and deceleration at the end of each stroke.

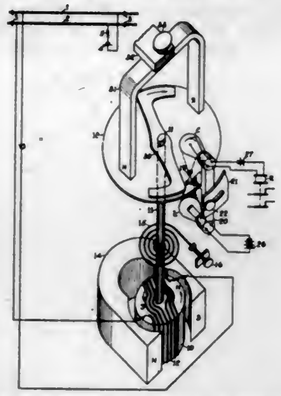
2,134,982

TRACK CIRCUIT FOR RAILROADS

James C. Mock, Detroit, Mich., assignor to General Railway Signal Company, Rochester, N. Y.

Application October 29, 1935, Serial No. 47,279

4 Claims. (Cl. 246—41)



1. In a track circuit, a contact operating relay, a light source and a photo-electric cell for controlling the energization of the relay, electro-responsive means energized by the track circuit and controlling the supply of light from the source to the cell, spring biasing means opposing movement of the electro-responsive means with a force increasing with said movement, and supplemental biasing means opposing movement of the electro-responsive means with a force decreasing with said movement.

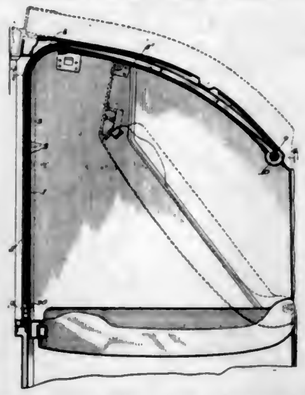
2,134,983

BLIND OR SHUTTER

Edward B. Nottingham, Villa Park, Ill., assignor to H. B. Dodge and Company, Chicago, Ill., a corporation of Illinois

Application February 3, 1934, Serial No. 709,579

21 Claims. (Cl. 156—16)



1. A curtain movable in guides and comprising a plurality of spaced slats, longitudinal members passing through the slats and upon which the slats are strung, each of said slats having a projecting upper edge and a grooved lower edge, the upper edge of one slat being adapted to extend up into the groove of an upper slat a distance sufficient to permit air to pass through the curtain but obstructing the line of vision

so that the curtain cannot be seen through, and flexible incompressible means on the longitudinal members between the slats to hold the slats in spaced relationship.

2,134,984

CONTAINER COVER

John Ernest Page, Sydney, Australia, assignor to President and Directors of the Manhattan Company, a corporation of New York, as trustee for Gibson-Patent Containers, Ltd., a corporation of New South Wales, Australia

Application May 20, 1936, Serial No. 80,686

5 Claims. (Cl. 229—5.7)



1. A container of the character described including, a collapsible body member and a cover member adapted to telescope over one end of said body member, said cover member including a relatively stiff rim portion adapted to grip the body member, a removable cover piece associated with said rim permitting access to the contents, said rim having a bead portion retaining said end piece in container-closing position, said bead being so shaped that when the cover piece is removed said bead may be forced into gripping engagement with the upper edge of the container body to prevent inward collapse thereof, and cooperating projections associated with said rim and body member for retaining said bead in fixed gripping engagement with said upper edge.

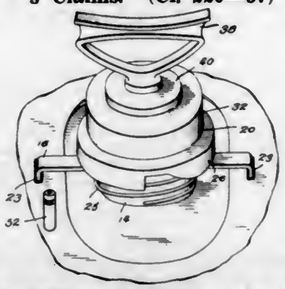
2,134,985

PRESSURE AND SEALING DEVICE FOR CONTAINERS

William C. Parrott, Stamford, Conn.

Application November 16, 1936, Serial No. 110,989

3 Claims. (Cl. 220—57)



3. In a pressure and sealing device for containers, a casing having an opening at its top portion, an oval shaped removable member suspended within said casing, whereby to fit and close said opening, an annular neck portion formed on said removable member, a cap member screw mounted to said neck portion, said neck portion having recesses formed therein, a bridge piece engaging said cap member and fitting with said recesses and a cam means formed in said cap member, whereby the turning of said cap member will cause said cam means to press against said bridge piece to draw the removable member into sealing position, a groove formed in said removable member, a rubber gasket mounted in said groove, a ridge formed on said top portion and contacting with said rubber gasket and a coiled spring disposed between said bridge member and said removable member, whereby to aid in separating said removable member from said bridge piece.

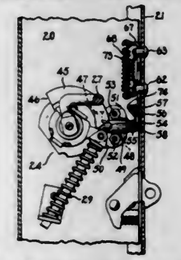
2,134,986

COVER INTERLOCKING DEVICE FOR SAFETY SWITCHES

John C. Rach, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application January 2, 1937, Serial No. 118,823

15 Claims. (Cl. 200—50)



1. In a safety switch, the combination with a casing having a cover hinged thereto, of switch operating means and interlocking means co-operating with both said switch operating means and cover, whereby normally the switch cannot be closed when the cover is open, and the cover cannot be opened while the switch is closed, said interlocking means comprising a spring-biased catch carried by the cover and a movable latch carried by the casing, said cover having a keyhole to provide for manual insertion and operation of a key for temporarily retracting said catch out of interlocking position, whereby the cover may be opened in the closed position of the switch, said catch being adapted in its retracted position to yieldably retain the key, and said catch being formed to provide for manual reclosure of the cover and automatic interlocking of said catch with said latch independently of the key in the closed position of said switch.

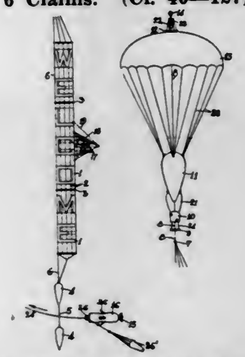
2,134,987

METHOD OF AERIAL ADVERTISING

Norbert N. Shorb, San Francisco, Calif.

Application April 6, 1936, Serial No. 72,843

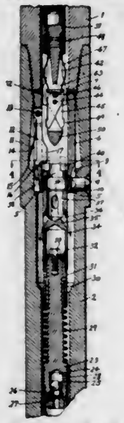
6 Claims. (Cl. 40—127)



6. In the method of aerial advertising, the steps including towing to an altitude well above the earth's surface a folded parachute having

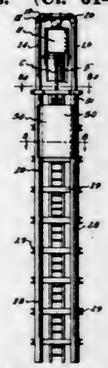
an aerial sign suspended therefrom, releasing the parachute and aerial sign to permit the opening of the parachute and the slow descent of the aerial sign, and recovering the parachute and aerial sign in mid-air before it has reached the earth's surface.

2,134,988
CORE-TAKING APPARATUS
John C. Stokes, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application July 6, 1936, Serial No. 88,979
9 Claims. (Cl. 255—72)



1. In a device of the character described, a drill stem, a core barrel adapted to move longitudinally within said drill stem, means in said drill stem movable with respect to the drill stem to engage a part of said core barrel to limit its upward movement in said drill stem, and means on said core barrel adapted to interengage with said first mentioned means when said core barrel is moved upwardly a relatively slight amount in said drill stem to prevent relative rotation of said drill stem and core barrel.

2,134,989
PILE-DRIVING ATTACHMENT FOR BOOMS
John B. Templeton, Dallas, Tex.
Application May 11, 1936, Serial No. 78,978
7 Claims. (Cl. 61—74)



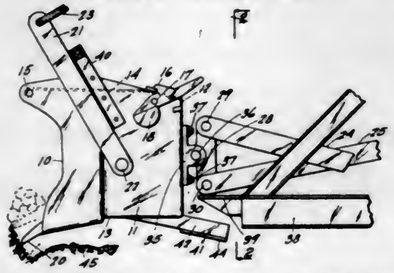
1. In a pile driver attachment, in combination with a boom, a fulcrum plate secured on the outer end portion of the boom, a rocker block mounted universally swingable and rotatable on the upper side of said plate, and hammer guides carried at their upper ends by said rocker block whereby to be suspended from the boom.

2,134,990
MOP
William Theodore Whitaker, Jenkintown, Pa.
Application July 30, 1937, Serial No. 156,434
1 Claim. (Cl. 15—229)



As a new article of manufacture, a mop composed of a plurality of cords, each cord being composed of a plurality of strands of untreated absorbent material, loosely twisted together and each of some of the cords having incorporated therewith a string treated with a soluble sterilizing agent.

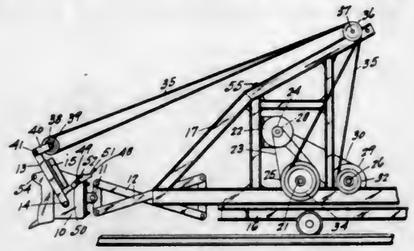
2,134,991
MUCKING MACHINE DIPPER
William A. Whitmire, Boca, Calif.
Application August 4, 1937, Serial No. 157,330
9 Claims. (Cl. 214—145)



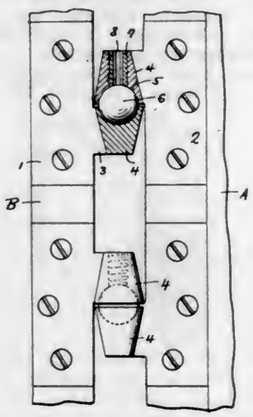
1. In combination, an excavating machine dipper and hoisting means therefor, a dipper stick, and a hinge connection between said dipper and said dipper stick, permitting movement of said dipper relative to said dipper stick, and means adjustable at will limiting the movement of said hinge connection to a predetermined value.

2,134,992
MUCKING MACHINE DIPPER HOISTING MEANS
William A. Whitmire, Boca, Calif.
Application August 4, 1937, Serial No. 157,331
8 Claims. (Cl. 214—134)

1. Dipper hoisting means for a mucking machine having a frame, a dipper, a crowd and driving means therefor, a hoisting drum and driving means therefor, a compensating drum operatively associated with said crowd, a pair of sheaves rotatably mounted on said frame, a single sheave associated with said dipper, and a cable having one end associated with said hoisting drum and its other end associated with said compensating drum, the intermediate portion of said cable passing over one of said pair of sheaves, thence about said single sheave and thence over the other of said pair of sheaves, the payout of said cable from said compensating drum being substantially twice the advance movement of said crowd.



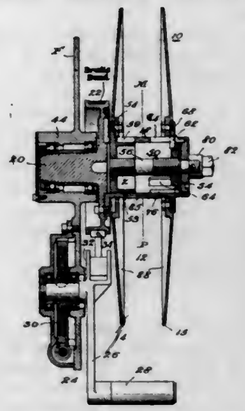
2,134,993
HINGE
Paul Wimmenauer, Washington, Ind.
Application September 11, 1937, Serial No. 163,470
1 Claim. (Cl. 16—136)



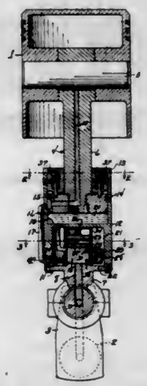
A hinge of the class described comprising a pair of leaves, a laterally extending portion formed on a part of one side edge of each leaf, a substantially frusto-conical member formed on the outer free edge of each laterally extending part, the frusto-conical part of one leaf being oppositely arranged with respect to that on the other leaf to place the enlarged ends of said frusto-conical parts adjacent each other, each enlarged end of the frusto-conical part having a semi-spherical recess therein, a spherical member located in the space formed by the two recesses, one of said frusto-conical parts having a threaded bore passing from the recess through its small end and a threaded sleeve in said bore having a concave recess in its inner end for engaging a portion of the spherical member, said sleeve forming means for taking up wear between the parts.

2,134,994
TAPING HEAD FOR WINDING APPARATUS
Herman Zarafu, New York, N. Y., assignor to Elevator Supplies Company, Incorporated, Hoboken, N. J., a corporation of New Jersey
Application March 1, 1937, Serial No. 128,399
7 Claims. (Cl. 117—41)

1. A taping head of an apparatus for winding tape or the like on cables or the like comprising a rotatable tape-package support, and tension-regulating means for acting on said package support to allow the tape to pay off from the package under tension, and means on said support adjustable with respect to the transverse mid-plane thereof, for positioning and holding tape-packages of different width with the mid-planes thereof in the transverse mid-plane of said support.

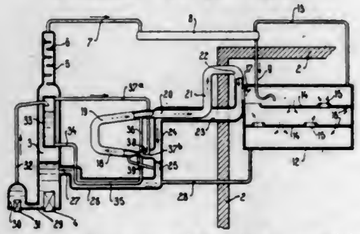


2,134,995
ADJUSTABLE STROKE AND SHOCK ABSORBING CONNECTING ROD
George A. Anderson, Alameda, Calif.
Application November 13, 1935, Serial No. 49,581
3 Claims. (Cl. 123—48)



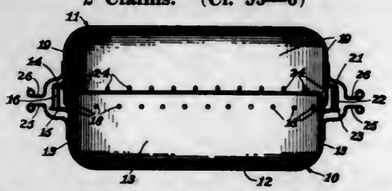
1. In combination with a piston and a crank shaft drilled to receive oil under pressure, a connecting rod connecting the piston to the crank shaft and including sections each provided with an oil passage and one oil passage being in communication with the oil passage of the crank shaft and the other in communication with the piston, a cylinder fixed to one of the sections and slidably receiving the other section, a piston secured to the last-named section and operating in the cylinder, said cylinder having a chamber in communication with the oil passage of one of the sections, means connecting the oil passage of one of the sections to said chamber, means connecting the oil chamber to the cylinder to permit oil pressure to act on the piston for varying the stroke of the first-named piston, and means for controlling the oil pressure to said chamber.

2,134,996
REFRIGERATING MACHINE OF THE ABSORPTION TYPE
Alexander Bikkers, The Hague, Netherlands, assignor to Willem Frederik Poel, Haarlem, Netherlands
Application April 22, 1937, Serial No. 138,458
In the Netherlands April 29, 1936
5 Claims. (Cl. 62—119.5)



1. In a continuous absorption machine in which the pressures are equalized by means of the addition of inert gas, a gas expeller, a condenser, an evaporator and an absorber interconnected in series, a circulatory pipe on the absorber and partly contacting with a wall portion of the evaporator, an opening in said wall portion to establish communication between the evaporator and circulatory pipe, and baffle means provided in the evaporator, said baffle means being adapted to compel liquid refrigerant discharged from the condenser into the evaporator to flow towards the bottom of the evaporator in such a manner as to produce eddies in the gaseous mixture and cause refrigerant vapour continuously to flow across said opening.

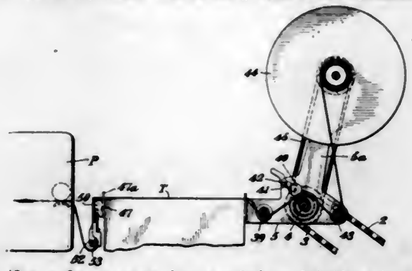
2,134,997
COOKING UTENSIL
Giacomo Blandi, Pittsburgh, Pa.
Application October 25, 1937, Serial No. 170,822
2 Claims. (Cl. 53—6)



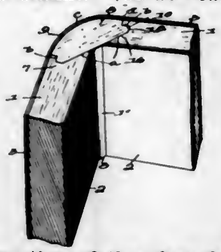
1. In a roaster, a bottom pan including a side wall, a substantially L-shaped member attached to the outer surface of the side wall adjacent the top thereof, the upper edge of the L-shaped member terminating at a point above the upper edge of the side wall, openings in said side wall adjacent the upper edge thereof, a cover for the pan and means on said cover cooperating with the upper edge of the L-shaped member for supporting the lower edge of the cover above the openings in the pan.

2,134,998
APPARATUS FOR PULLING TAPE
Jonathan S. Cavalcante, Brooklyn, N. Y., assignor to Trans-Lux Corporation, a corporation of Delaware
Application March 1, 1932, Serial No. 596,143
Renewed March 29, 1938
4 Claims. (Cl. 271—2.3)

1. In a tape-pulling system, coacting rollers for drawing a character-bearing tape through a projection field after ejection thereof from a printing mechanism, a motor directly connected to one of said rollers, stationary surfaces with which said tape frictionally coacts to increase the tension thereof, said stationary surfaces constituting the sole means for applying friction to said tape, and means whereby such increase in the tape tension causes discontinuation of tape movement under the control of said motor.



2,134,999
ROUND CORNER
Richard H. Crouch, Pulaski, Va., assignor to Automatic Machinery Corporation, Pulaski, Va., a corporation of Virginia
Application April 13, 1936, Serial No. 74,200
3 Claims. (Cl. 20—92)



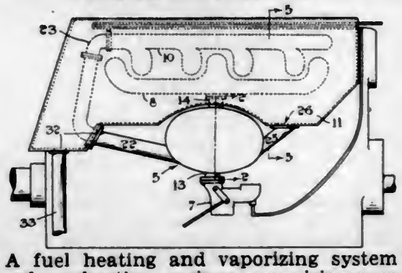
1. A construction of the class described comprising, two sides located adjacent a corner and having undercut grooves near their adjacent edges, a corner post interposed between the adjacent edges of the sides and abutting thereagainst and having integral tongues extending into said undercut grooves and an outer lamination attached to the outer surfaces of said sides and extending continuously around the outer surfaces of said corner post.

2,135,030
ROUND CORNER
Richard H. Crouch, Pulaski, Va., assignor to Automatic Machinery Corporation, Pulaski, Va., a corporation of Virginia
Application October 13, 1936, Serial No. 105,435
2 Claims. (Cl. 20—92)



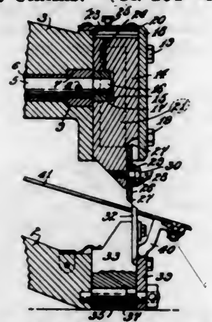
1. A round corner consisting of a strip of stock having a channel thereacross and leaving a thin strip at the bottom thereof flanked on each edge thereof by at least three adjacent right-angular surfaces, and one inwardly sloping surface, in connection with a core block having counterpart surfaces at opposite edges which fit and interlock with the sloping and angular surfaces flanking the channel, said core block having a convex surface on one side around which the thinned-out portion of the stock formed by the channel is adapted to be tightly drawn as the flanking surfaces of the channel are brought into interfitting relation with the counterpart edges of the core block, the core block having extended surfaces disposed at approximately right-angles to each other which form an abutment for and which engage the inner surfaces of the stock adjacent to the channel in the final formation of the round corner, and means extending through the contacting or abutting portions of the core block and stock for securing said parts rigidly together.

2,135,001
FUEL HEATING AND VAPORIZING SYSTEM FOR INTERNAL COMBUSTION ENGINES
Arthur Finestone, Montreal, Quebec, Canada
Application December 24, 1937, Serial No. 181,589
10 Claims. (Cl. 123—122)



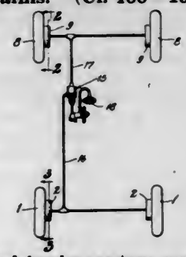
1. A fuel heating and vaporizing system for internal combustion engines comprising a casing enclosing the intake manifold, a vaporizing chamber through which fuel is passed to said manifold and means for conducting hot gases from the exhaust manifold of the engine into heat interchanging contact with the walls of said chamber and then passing said gases through said casing in heat interchanging contact with the intake manifold.

2,135,002
METAL SHEARING MACHINE
Chester A. Frick, Muncie, Ind.
Application September 30, 1935, Serial No. 42,794
2 Claims. (Cl. 164—47)



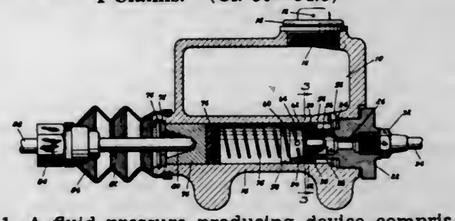
1. In a metal scroll shear, the combination with a pair of vertically spaced arms, a head formed in the end of the upper arm, a shaft bearing formed in said arm, a shaft mounted in said bearing, said head having a vertically extending groove in the face thereof, a block slidably mounted in said groove, an eccentric pin on said shaft engaging said block, a blade carrier mounted in the lower end of said block, a head slidably mounted at the end of the lower arm, a blade carrier mounted on said head, a cam mounted in the end of said lower arm and rotatable on a horizontal axis and supporting said lower arm head, said cam moving said lower arm head vertically when rotated.

2,135,003
BRAKE SYSTEM
Edwin S. Harrison, Clayton, Mo.; Margaret J. Harrison administratrix C. T. A. of the estate of said Edwin S. Harrison, deceased
Application September 17, 1936, Serial No. 101,193
6 Claims. (Cl. 188—152)



1. A four wheel brake system comprising front and rear wheel brakes, retracting springs of substantially equal strength for the respective brakes, fluid cylinders for the respective brakes, the cylinders for the front wheel brakes being relatively large and the cylinders for the rear brakes being relatively small, springs in the actuating cylinders for the rear wheel brakes for reducing the retractive force of the retracting springs therefor below that of the front wheel brake retracting springs, and means for supplying fluid under pressure to said cylinders.

2,135,004
FLUID PRESSURE BRAKE SYSTEM
Joseph R. Heidloff, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application December 14, 1935, Serial No. 54,491
4 Claims. (Cl. 60—54.6)

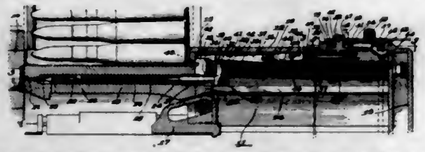


1. A fluid pressure producing device comprising variable chamber means, a valve including a flexible cup for controlling a plurality of ports, said cup having an annular base, a marginal flange and a central flange, a metallic cup seated in the flexible cup, a pin on the metallic cup extending into the central flange, and actuating means for said variable chamber means.

2,135,005
FIRING PIN ARRANGEMENT FOR GUNS
Reginald W. Hoagland, Washington, D. C., and Charles M. Shepherd, Cottage City, Md., assignors to Automatic Guns, Incorporated, Washington, D. C., a corporation of Delaware
Application June 20, 1936, Serial No. 86,423
12 Claims. (Cl. 42—69)

1. A firing arrangement for automatic guns, in combination with a receiver, a bolt mounted in said receiver for sliding movement, and a lock for

locking said bolt in closed position; comprising a pair of sears pivotally carried by the receiver; a spring propelled firing pin carried by the bolt; a head on said firing pin positioned rearwardly of the lock; spring means for normally holding said sears in position to engage the head of the firing pin at the final closing of the bolt to hold the firing pin against movement with the bolt; said



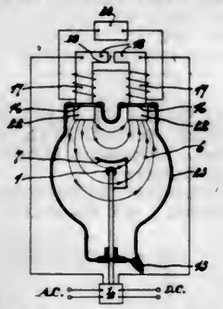
lock engaging one of said sears to release the same from the firing pin upon movement of said lock to locking position; said sears engaging one side of said firing pin head; bearing means on the opposite side of the firing pin head from that engaged by said sears for contacting with a surface of the receiver; and manually controlled means for operating the other of said sears to release the same from the firing pin.

2,135,006

RECTIFYING DEVICE

Tom Jurriaanse, Eindhoven, Netherlands, assignor to N. V. Philips Gloeilampenfabrieken, Eindhoven, Netherlands

Application April 19, 1937, Serial No. 137,851
In Germany April 21, 1936
8 Claims. (Cl. 250—27.5)



1. A full-wave rectifying device comprising an ionic discharge tube having an envelope, an incandescible cathode, two anodes disposed adjacent the wall of the envelope, and a gaseous filling having during operation a pressure less than 0.01 mm. of mercury, and means outside the envelope to produce a magnetic field having lines of force traversing the envelope at points adjacent the anodes and extending between the anodes in a beam, said cathode being centrally disposed within said beam and spaced from said anodes to form a discharge path following the lines of force thereof.

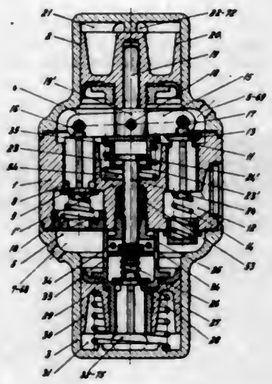
2,135,007

DISTRIBUTOR FOR FLUID PRESSURE BRAKE SYSTEMS

Leone Kamenarović, Milan, Italy, assignor to Fabbrica Italiana Magneti Marelli Società Anonima, Milan, Italy, a corporation of Italy

Application January 12, 1938, Serial No. 184,673
In Italy January 18, 1937
13 Claims. (Cl. 303—26)

1. A distributor for controlling the intercommunication of a main pressure fluid reservoir, an auxiliary reservoir, a control pressure fluid source and brake actuating cylinders in a vehicle, comprising a casing, means in said casing providing two intercommunicating chambers the first one having a connection with said auxiliary reservoir and the second one having a connection with said brake cylinders and an outlet, valve means controlling the intercommunication of said cham-



bers and said outlet, means actuated by said control pressure fluid for operating said valve means, a head on said casing providing a cylinder whose mouth opens in said first chamber and whose end has a connection with said main reservoir, a piston mounted to move in said cylinder intermediate said mouth and end thereof, and lost motion means for actuation of said valve means by said piston.

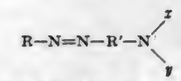
2,135,008

WATER-INSOLUBLE AZO DYESTUFFS

Helmut Kleiner, Cologne-Mulheim, Otto Bayer, Leverkusen-I. G. Werk, and Wilhelm Kunze, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application March 18, 1936, Serial No. 69,588. In Germany March 22, 1935
5 Claims. (Cl. 260—207)

1. Water insoluble azodyestuffs of the general formula:



wherein R stands for the radical of a diazotized aromatic amine, bearing as substituent at least one esterified carboxylic acid group, and wherein R' stands for an aromatic radical, which has been coupled in para position to



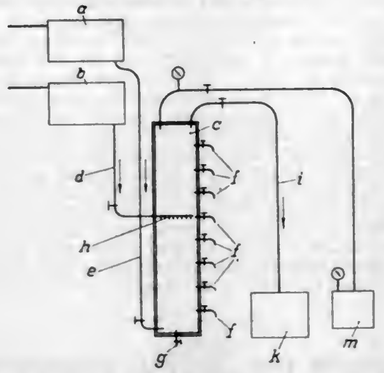
x stands for a member selected from the group consisting of mono- and polyhydroxyalkyl groups, etherified and esterified mono- and polyhydroxyalkyl groups, and such derivatives thereof, which are attached to R' in ortho-position to the nitrogen atom, and y stands for a member selected from the group consisting of hydrogen, alkyl and hydroxyalkyl.

2,135,009

PROCESS OF SEPARATING HYDROCARBON MIXTURES INTO FRACTIONS

Max Landau, Berlin-Wilmersdorf, Germany, assignor to N. V. Machinerieen-en Apparaten Fabrieken "Meaf", Utrecht, Netherlands

Application August 10, 1935, Serial No. 35,650
In Germany August 7, 1934
4 Claims. (Cl. 196—13)



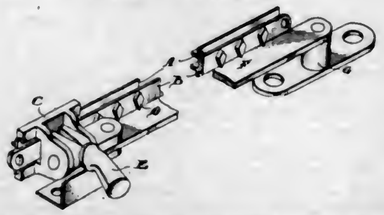
1. In a process for the separation of hydrocarbon mixtures of the type of mineral oils into several fractions the steps consisting in charging a column up to substantially one-half of its height with an extraction agent having a lower specific gravity than the hydrocarbon mixture to be treated and each fraction thereof and which extraction agent is capable of dissolving the greater portion of said hydrocarbon mixture, causing the hydrocarbon mixture to flow into the extraction column in a uniformly distributed manner until the column is filled, allowing the contents of the column to stand until separation is completed, withdrawing the different fractions together with the extraction agent from different levels of the column of the extraction agent which contains dissolved therein various fractions of the hydrocarbon mixture, and removing the extraction agent from the different fractions.

2,135,010

REGULATOR

Andrew Baxter Leven, Brisbane, Australia

Application June 17, 1933, Serial No. 676,372
In Australia June 17, 1932
1 Claim. (Cl. 292—267)



A device of the class described, comprising an elongated guide, a rack formed on said guide, the teeth of said rack being diamond-shaped in plan to provide diverging wedge surfaces on the portions of said teeth extending at right angles to said guide, a carrier slidably mounted on said guide, a rotatable locking block carried by said carrier, said block having an arcuate surface with its axis parallel to said rack, substantially V-shaped teeth formed on said surface of said block, said teeth being engageable with said wedge surfaces of a selected rack tooth whereby to wedge the latter between said teeth on said lock and frictionally maintain said block in a rack tooth engaging position, and said block being rotatable on its aforesaid axis to withdraw its teeth from engagement with said rack tooth to permit said block to be slid along said guide.

2,135,011

MEANS FOR VARYING THE STROKE OF PUMP RODS OR LIKE RECIPROCATING MEMBERS

Ernest Francis Naismith McGauchie, Bendigo, Victoria, Australia

Application July 2, 1936, Serial No. 88,668
In Australia July 11, 1935
10 Claims. (Cl. 60—54.5)



1. A fluid operating means for varying the stroke of pump rods or like reciprocating members, comprising a reciprocating member having driving and driven sections, plungers on the respective sections, inter-communicating major and minor cylinders within which the plungers operate, the major cylinder being provided with one or more fluid outlets, and a control device governed by the power applied to the driving section of the reciprocating member for controlling said outlets, the outlets permitting free escape of liquid during a portion only of the stroke of the plunger in the major cylinder, the remaining portion of such stroke being beyond the influence of the fluid outlets.

2,135,012

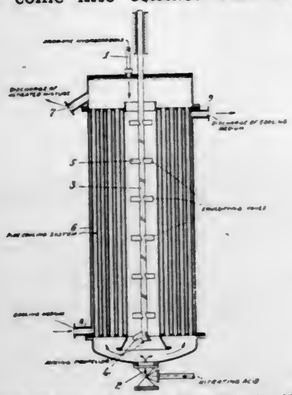
NITRATION OF AROMATIC HYDROCARBONS

Josef Meissner, Burbach kreis Siegen, Germany

Application October 31, 1935, Serial No. 47,727
In Germany November 28, 1934
4 Claims. (Cl. 260—645)

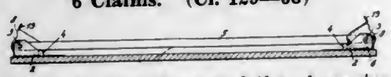
1. In a process for the continuous nitration of aromatic hydrocarbons the steps comprising introducing the material to be nitrated into the upper part of a vessel, introducing into said vessel a cooling fluid in heat exchange relation with the reactant material but not in direct contact therewith, introducing the nitrating acid into the lower part of said vessel, providing a forced circulation of the ensuing mixture in a downward and upward direction said circulation causing partly consumed nitrating acid to come into contact with the fresh material to be nitrated which is introduced into the upper part of the vessel to effect a preliminary nitration thereof, and said

circulation causing such preliminarily nitrated material to come into contact with the fresh



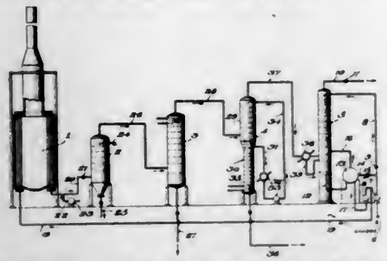
nitrating acid which is introduced into the lower part of the vessel to effect final nitration thereof.

2,135,013
CLAMPING MEANS FOR FOLDERS
Else Nitz and Johanna Hagemann, geb. Jungmann, Berlin, Germany
Application January 10, 1938, Serial No. 184,336
In Germany January 15, 1937
6 Claims. (Cl. 129—38)



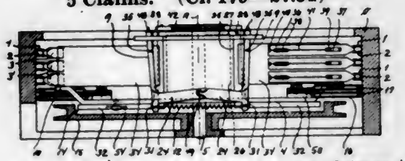
1. In a clamping device of the character described, a plurality of clamping levers pivoted at their one end, and a separate fastening device for each of the said levers comprising a rocking member, a pivot bar on which the said member rocks and which is adapted to engage with the free end of the appertaining clamping lever, and means for producing a locking engagement between the said clamping lever and the said rocking member when the said member is rocked.

2,135,014
CRACKING HYDROCARBON OILS
Povl Ostergaard, Mount Lebanon, Pa., assignor to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 2, 1937, Serial No. 151,743
6 Claims. (Cl. 196—9)



1. The process of cracking hydrocarbon oil to obtain gasoline of high anti-knock value and to avoid carbon deposition to such extent as would prevent continuous operation for extended periods of time, which comprises passing such oil in admixture with normally gaseous hydrocarbons having 3 to 4 carbon atoms per molecule through an elongated conversion zone of restricted cross-sectional area, under super atmospheric pressure, and there subjecting the admixture of oil and normally gaseous hydrocarbons to a high cracking temperature substantially in excess of the maximum temperature to which the oil alone and without admixture of said gaseous hydrocarbons could be subjected in identical apparatus and under otherwise identical conditions of conversion without such excessive deposition of carbon as to prevent continuous operation of the unit for extended periods of time, said temperature being sufficiently high to effect an increased degree of conversion of the oil but not so high as to cause such excessive deposition of carbon as aforesaid, fractionating the resultant products to separate and recover constituents heavier than gasoline, gasoline, an intermediate fraction mainly comprising normally gaseous hydrocarbons having 3 to 4 carbon atoms per molecule, and a fraction mainly comprising hydrogen and normally gaseous hydrocarbons having 1 and 2 carbon atoms per molecule, and returning said intermediate fraction to said conversion zone in admixture with the oil introduced to said zone for conversion therein as aforesaid.

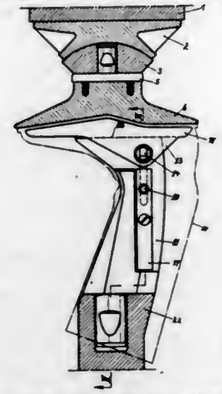
2,135,015
SELECTOR FOR ELECTRIC CONNECTING SYSTEMS
Morten Balthazar Richter, Copenhagen, Denmark
Application August 4, 1936, Serial No. 94,258
In Denmark August 16, 1935
5 Claims. (Cl. 179—27.51)



1. A selecting switch of the power driven type for electric connecting systems, comprising a plurality of stationary terminals arranged in a number of circular arcs, a rotatable member centrally disposed relatively to said arcs, a driving member, adjustable means to couple said rotatable member to said driving member, two sets of movable contacts adjustably mounted on said rotatable member on opposite sides of the central portion of same so as to be shifted radially on same to engage by turns the stationary terminals, two upright disposed levers supported at their lower ends upon the rotatable member on either side of the axis of revolution of same, an electromagnet engaging said levers to swing them when the electromagnet is energized, means to connect each of said sets of movable contacts to one of said levers, and means connecting the levers to the means for coupling the rotatable member to the driving member, in order that the two levers, when swung by the action of the electromagnet, are caused to shift said sets of movable contacts radially away from the arc of stationary terminals and simultaneously to shift the means for coupling the rotatable member and the driving member so as to intercouple said two members.

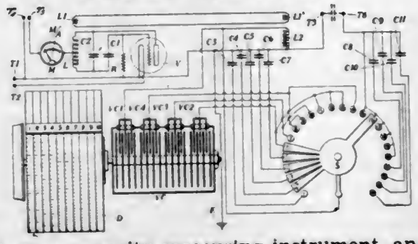
2,135,016
SOLE-PRESSING LAST
Kurt Sandt, Pirmasens, Germany
Application November 11, 1936, Serial No. 110,368
In Germany November 9, 1933
13 Claims. (Cl. 12—123)

1. In a sole pressing machine, a last carrying a pillar formed at the upper end to present a toe side and a heel side, a smoothing last, means for guiding the smoothing last with respect to the upper surface of the pillar, means for fixing the last with respect to the pillar in an operative position to arrange the heel portion of the last beyond the heel portion of the pillar and the toe portion of the last beyond the toe portion of the pillar, means for releasing the locking means to permit the last to be moved to an inoperative position whereby the heel portion of the last is



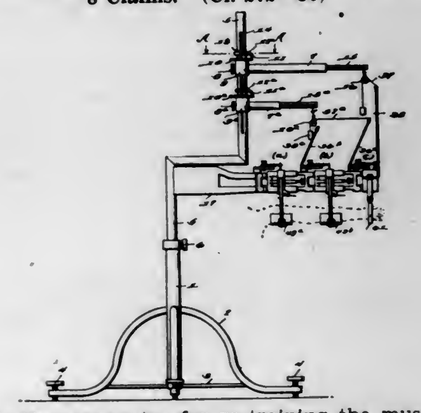
substantially aligned with the heel portion of the pillar, the last in operative position supporting an article of footwear for sole pressing purposes, with the leg of such footwear embracing the pillar at an inclination thereto and precluding convenient removal of the article of footwear, the last in the inoperative position causing the leg of the footwear to be changed in position with respect to the pillar to permit convenient removal of the article of footwear, and means for retaining the last in inoperative position.

2,135,017
CAPACITY MEASURING INSTRUMENT
Leonard Arthur Sharland, London, England
Application September 13, 1935, Serial No. 40,512
In Great Britain September 13, 1934
6 Claims. (Cl. 175—183)



1. In a capacity measuring instrument, an inductance coil adapted to be inductively coupled to an oscillator, a variable condenser having a plurality of stators and a rotor common to said stators, said rotor being connected to one terminal of the inductance coil, a switch having a plurality of contacts and blades, means connecting each of said stators to certain of said contacts, a pair of terminals adapted to be bridged by a capacity to be measured, a fixed capacity connected between certain of said other switch contacts and one of the inductance coil terminals, means connecting the switch blade with the other of the inductance coil terminals, and a fixed capacity connected between one of said last mentioned terminals and certain of said other contacts, said other of said last mentioned terminals being connected to a terminal of the inductance coil, said switch being adjustable for connecting certain of the stators of the variable condenser in parallel with the inductance coil and said switch being also adjustable for connecting said first mentioned fixed capacity in parallel with the inductance coil, said switch being further adjustable for connecting said last mentioned fixed capacity in series with a capacity to be measured and across the inductance coil, all of said switch adjustments permitting ascertainment of the capacity to be measured.

2,135,018
APPARATUS FOR THE TRAINING OF THE MUSCLES
Sven Gustaf Svensson, Buenos Aires, Argentina
Application October 22, 1936, Serial No. 107,091
8 Claims. (Cl. 272—80)

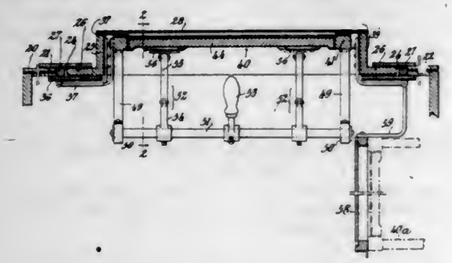


1. New apparatus for re-training the muscles of the human body, preferably adapted to cases of lesions produced by infantile paralysis and other muscular diseases, comprising in combination: a main arm adequately connected to a supporting frame provided with means for varying the height and angular rotation thereof, the said main arm being formed of three independent sections hinged to each other and to the fixed support, on pivot points located at horizontally spaced positions; extensible means permitting a variation of the distances between the said pivot points; means to lock individually each one of the said sections and to adjust the angle of rotation of each of them relative to its neighbour sections; graduable means designed to oppose gradual resistance to the rotatory movement of the said sections; and supporting means for the suspension and adjustment of the patient's limb at the main arm of the apparatus.

2,135,019
X-RAY APPARATUS
George R. Struck, Manhasset, N. Y., assignor to George R. Struck and Edward M. Wharf, Jr., a partnership doing business as Precision Radiographs, Chicago, Ill.
Application July 2, 1936, Serial No. 88,508
7 Claims. (Cl. 250—34)

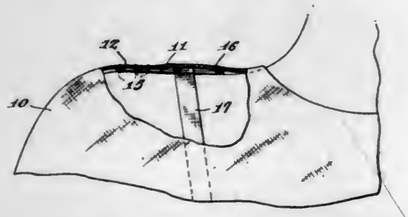
1. In an X-ray device of the character described, an element which is adapted to serve as a wall of a dark room, said wall being substantially opaque and having edge portions defining a vertically extending opening therein, a pair of channels extending along the vertically disposed

edge portions of the opening; a holder disposed within said opening comprising a frame member having flange portions which are adapted to slide in said channels and other portions defining a recess accessible only from the dark room side of the wall and adapted to receive an X-ray sensitive film, and a front cover for said frame which is made of semi-opaque material whereby



it may serve as an X-ray window; and a curtain of opaque material affixed to said frame, said curtain having its side edge slidably disposed within said channels and its opposite ends extending in light-tight relation over and beyond the upper and lower edges defining the opening in the wall whereby the holder may be adjusted vertically of said opening.

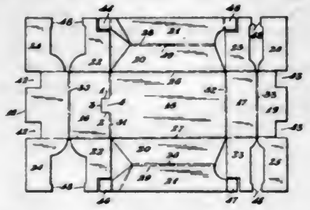
2,135,020
SHOULDER-STRAP HOLDER
Eugene B. Young, Medford, Mass.
Application May 20, 1935, Serial No. 22,446
2 Claims. (Cl. 24—73)



2. A shoulder strap holder consisting of a flat thin body member of sheet material, said body member having a transverse bar at one end, said bar having a plurality of apertures for reception of securing means and the other end of the body being free but normally contacting the garment yieldingly, whereby to permit placement of a shoulder strap between the garment and the free end of the body member.

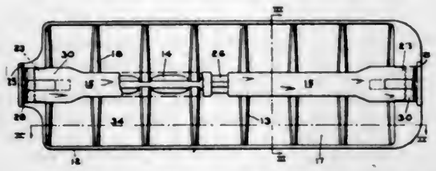
2,135,021
HANDLE FOR DRAWERS
Philip Zalkind, New York, N. Y.
Original application October 10, 1933, Serial No. 692,937, which in turn is a division of Serial No. 631,682, September 3, 1932. Divided and this application December 3, 1935, Serial No. 52,731
3 Claims. (Cl. 229—52)

1. In a container, a front wall; side walls; and a bottom wall; said front wall comprising an inner and outer face; said outer face being an integral extension from said bottom wall; said inner face being an integral extension from said inner face; and a tab cut from said outer face beginning at the junction between said outer face and bottom wall, and extending only partly up the height of said outer face to maintain the



upper portion of said outer face intact, said tab being integral with said bottom wall and protruding through the opening in said outer face formed by the cut-away tab.

2,135,022
LIQUID-CONGEALING APPARATUS AND PROCESS OF TREATING SAME
William B. Anderson, Springfield, Mass., assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application May 16, 1935, Serial No. 21,825
8 Claims. (Cl. 62—108.5)



1. In the manufacture of an ice tray embodying a pan member and a grid member disposed in the pan member for forming ice cubes, one of said members being composed at least in part of a metal which is predominantly aluminum or an aluminum alloy and which member has inherent minute irregularities in the ice engaging surfaces thereof, the process of treating said one member so as to facilitate repeated separation of the ice cubes therefrom by manual effort as distinguished from the application of heat, which process includes maintaining a body of liquid material having greasy properties, applying said material to the metallic ice engaging surfaces of the member, and applying heat to the material and the member so as to substantially impregnate the ice engaging surfaces thereof and fill the irregularities in which the water upon freezing would otherwise adhere and thereby provide a relatively smooth ice engaging surface joined to the metal of said member and capable of withstanding said repeated separations, said material being innocuous to the taste of the ice.

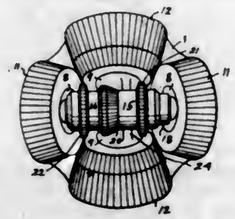
4. A freezing device comprising: a container member for holding the liquid to be frozen, and a partitioning member for dividing the frozen contents into blocks, one of said members having an ice-engaging metal surface having minute pores or irregularities therein impregnated with a strongly adhering thin substantially invisible coating of water-shedding material, said water-shedding material comprising a substantial percentage of a wax having such a high melting point as to be hard at normal room temperatures and of such character as to facilitate and withstand repeated separations of the ice therefrom by the application of force as distinguished from the use of heat.

2,135,023
LIQUID CONGEALING APPARATUS AND PROCESS OF TREATING SAME
William B. Anderson, West Springfield, Mass., assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
No Drawing. Application April 9, 1936, Serial No. 73,428
11 Claims. (Cl. 62—108.5)

4. In the manufacture of an ice tray embodying a pan member and a grid member disposed in the pan member for forming ice cubes, one of said members being composed at least in part of metal, the process of treating the metallic portions of said one member so as to facilitate repeated separation of the ice cubes therefrom by manual effort as distinguished from the application of heat, which process includes subjecting the metal surface of said member to an anodizing treatment to provide an ice-engaging surface which is corrosion-resistant but having inherent minute irregularities disposed therein, maintaining a heated body of water-shedding material having a wax-like constituent in liquefied form, and subjecting the anodized surface to the action of such material at such a temperature and for such a time as to substantially impregnate the anodized surface and fill the irregularities, in which the water upon freezing would otherwise adhere, with such material and thereby provide a relatively smooth ice-engaging surface bonded to the anodized surface and capable of withstanding said repeated separations, said water-shedding material being innocuous to the taste of the ice.

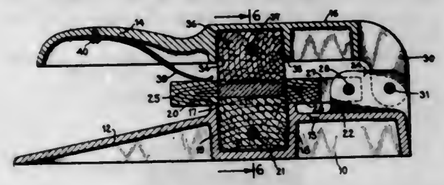
10. A freezing device comprising: a container member for holding the liquid to be frozen, and a partitioning member for dividing the frozen contents into blocks, one of said members having a uniform minutely-porous ice-engaging surface of anodized aluminum having pores so minute as to be invisible under the microscope, said anodized aluminum surface being thoroughly impregnated with a strongly-adhering thin coating of a water-shedding material which is hard at normal room temperatures and of such character as to facilitate and withstand repeated separations of the ice therefrom by the application of force as distinguished from the use of heat, said material being innocuous to the taste of the ice.

2,135,024
DRILL
George J. Barrett and Sosthene Robichaux, Houston, Tex.
Application May 10, 1937, Serial No. 141,589
6 Claims. (Cl. 255—71)



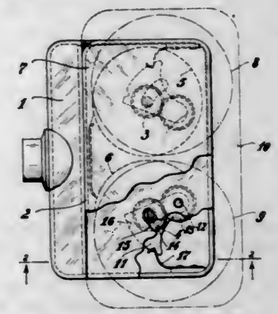
1. A drill comprising a head, spindle anchors thereon whose inner sides diverge downwardly, spindles on the anchors which converge downwardly, frusto-conical rolling cutters on the spindles, a transverse spindle on the lower end of the head whose ends are arranged adjacent the downwardly converging spindles, means independent of the downwardly converging spindles and supporting the cross-spindle and rolling cutters on the transverse spindle.

2,135,025
BUTTER MOLD
Henry B. Batjer, Brooklyn, N. Y.
Application March 26, 1937, Serial No. 133,120
1 Claim. (Cl. 31—42)



A butter pat embossing and molding machine comprising a base member formed intermediate its ends with a recess, a butter pat supporting block in the recess, a central pat positioning member hinged to the base member, said central member being formed with a passage in register with the recess in the base member and of a size to receive the upper edge of the supporting block, an upper cooperating member hinged to the base member and formed in its lower surface intermediate its ends with a recess and an embossing block in the recess in said cooperating member projecting below the surface of the cooperating member to enter the passage in the butter pat positioning member, a handle on said upper cooperating member, a leaf spring secured to said handle and projecting therefrom and adapted in one position of the handle relative to the central pat positioning member to hold said central pat positioning member against the base member whereby during initial movement of the upper cooperating member away from the central pat positioning member the spring is momentarily retained in contact with the central pat positioning member.

2,135,026
MOVING PICTURE CAMERA
Helmut Becker, Wetzlar, Germany, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany
Application September 16, 1936, Serial No. 101,032
In Germany October 10, 1935
2 Claims. (Cl. 242—55)



1. In a motion picture camera, a pair of spaced film reels operating shafts, mechanism for adjustably positioning said shafts in one of several predetermined positions to receive and operate film reels of different film carrying capacities,

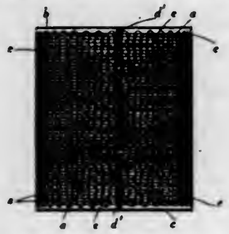
means automatically operable to maintain the said shafts in any one of the said positions and means for driving the said shafts.

2,135,027

MANUFACTURE OR PRODUCTION OF MATERIAL AND GARMENTS THEREFROM FOR BATHING AND SWIMMING

George William Billing, Market Harborough, England, assignor to R. & W. H. Symington & Company Limited, Market Harborough, England, a company of England

Application June 4, 1937, Serial No. 146,408
In Great Britain March 30, 1937
4 Claims. (Cl. 2—243)



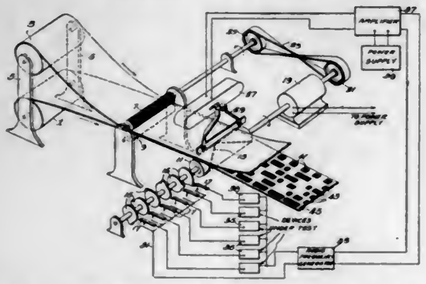
2. An elastic material having selvedged and unselvedged edges for bathing garments and the like formed in tubular form by uniting the unselvedge edges in a lap seam and including stitched warp and weft directed strands of elastic material, the warp-run strands forming a continuous zig-zag from selvedge to selvedge and the weft-run strands forming a continuous spiral from end to end of the material and being in intersecting relation with the warp-run strands, and the elastic strands being under tension in the expanded material, whereby the material has normally a puckered character.

2,135,028

RECORDING DEVICE

Samuel A. Bokovoy, Ventnor, and Paul D. Gerber, Woodlynne, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application August 29, 1936, Serial No. 98,622
4 Claims. (Cl. 234—1.5)



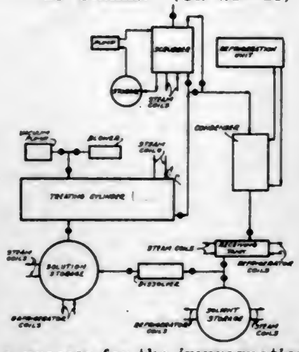
1. A recording system comprising a helical member, means for rotating said helical member, means for feeding a recording sheet across said helical member, a printer motor, a printer bar, means coupling said printer bar and printer motor, means for energizing said printer motor to thereby move said bar toward said helical member, and means including a plurality of cam operated devices for dividing said recording into a series of separate tracks substantially parallel to the sides of said sheet.

2,135,029

IMPREGNATION OF POROUS MATERIALS

Ernest R. Boller, Cleveland Heights, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application July 19, 1935, Serial No. 32,161
13 Claims. (Cl. 21—13)



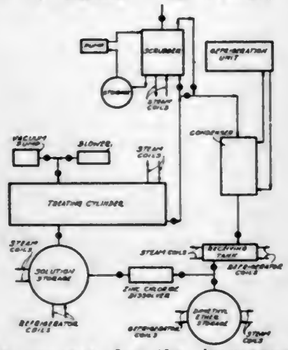
1. In a process for the impregnation of a porous material, the step comprising immersing the material in a liquid, non-aqueous menstruum which carries an impregnating agent, the non-aqueous liquid menstruum having a boiling point not substantially higher than about 1° C.

2,135,030

TREATMENT OF WOOD

Ernest R. Boller, Cleveland Heights, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application July 19, 1935, Serial No. 32,162
9 Claims. (Cl. 21—35)



1. In a process for the impregnation of a porous material, the step comprising immersing the material in a liquid, non-aqueous menstruum comprising dimethyl ether, the menstruum carrying an impregnating agent.

2,135,031

PROCESS FOR THE MANUFACTURE OF A THERAPEUTIC ORGANIC COMPOUND

Herman Elisha Brown, New Brunswick, N. J.

No Drawing. Application October 9, 1934, Serial No. 747,531
4 Claims. (Cl. 167—68)

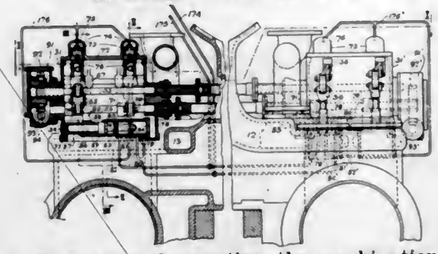
1. The method of manufacturing a pharmaceutical iron compound which comprises reacting ferrous carbonate with malic acid, reacting the same with an iodine compound and thereafter adding a proteinized iodine salt.

2,135,032

VALVE GEAR FOR DISTRIBUTION VALVES OF STEAM LOCOMOTIVES

Roger W. Clifford, Schenectady, N. Y., assignor to American Locomotive Company, New York, N. Y., a corporation of New York

Application May 20, 1937, Serial No. 143,667
15 Claims. (Cl. 121—127)



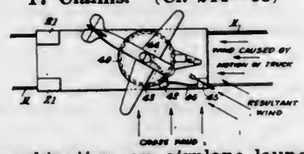
1. In a steam locomotive, the combination of driving wheels; a steam power cylinder having an admission port; a piston for said cylinder; a valve controlling the admission of steam to said port; a shaft operating as the admission cam shaft for both forward and reverse movements; an admission cam secured thereon; another shaft operating as the cut-off cam shaft for both forward and reverse movements; a cut-off cam secured thereon; means for rotating said shafts in unison operably dependent upon the rotation of said driving wheels; means for rotating said cut-off cam shaft independently of the rotation of said admission cam shaft to adjust the phase of said cut-off cam relative to said admission cam to vary the cut-off, said cut-off cam shaft being held against axial movement during said independent rotation; and means connecting said valve with said cams for operation thereby including an element operably engaging said admission cam and another element operably engaging said cut-off cam.

2,135,033

AIRPLANE LAUNCHING

Francis T. Courtney, Great Neck, N. Y.

Application August 31, 1936, Serial No. 98,692
17 Claims. (Cl. 244—63)



1. In combination, an airplane launching car, a horizontally swinging airplane support on said car, an airplane resting on said support, means for accelerating said car up to the takeoff speed of said airplane and releasable locking means for securing said airplane on said swinging support independently of the swinging movement of the same.

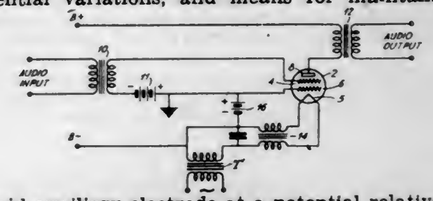
2,135,034

REDUCTION OF TUBE NOISES

Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application January 28, 1935, Serial No. 3,692
6 Claims. (Cl. 179—171)

4. In a signalling system, a tube having an output electrode, an electron emission electrode, an auxiliary electrode adjacent said electron emission electrode and a control electrode, means for applying alternating current potentials to said control electrode, means for supplying alternating current potentials from said output electrode a heating circuit for said electron emission electrode, means in said heating circuit for converting fluctuations of the current therein into potential variations, and means for maintaining



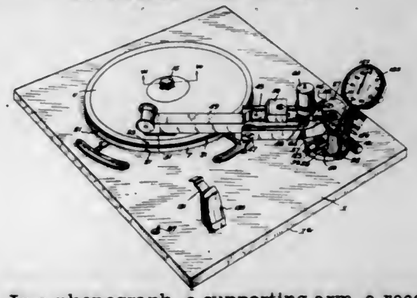
said auxiliary electrode at a potential relative to said emission element such that a large concentration of electrons takes place on and around said auxiliary electrode whereby the same acts as a virtual cathode.

2,135,035

PHONOGRAPH

Ralph H. Heacock, Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application February 29, 1936, Serial No. 66,352
17 Claims. (Cl. 274—9)



1. In a phonograph, a supporting arm, a record scanning element carried thereby, and means associated with said supporting arm for determining the position of said scanning element with respect to the record, said means including a plurality of position determining devices one of which is adapted to approximately locate said scanning element with reference to a predetermined point on the record and another of which is adapted to more accurately locate said scanning element with reference to said point.

15. In a phonograph, the combination of a turntable, a record scanning element supporting arm mounted on a horizontal axis for pivotal movement toward and away from said turntable, an electromagnet associated with said arm and adapted, when energized, to hold said scanning element away from said turntable, an energizing circuit for said electromagnet including a pair of circuit controlling switches in parallel, one of said switches being located in proximity to said turntable, and a cam on said turntable in cooperative relation to said one switch for controlling the opening and closing thereof during each revolution of said turntable.

2,135,036

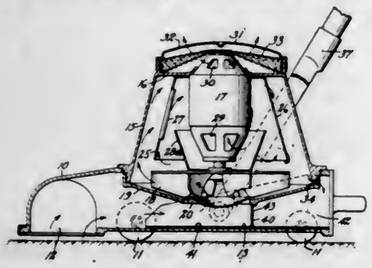
VACUUM CLEANER

Johan Fredrik Robert Karlstrom, Bo, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware

Application November 5, 1936, Serial No. 109,241
In Germany November 8, 1935
14 Claims. (Cl. 183—35)

6. In a vacuum cleaner, a first hollow conical

member, a centrifugal impeller disposed within said conical member and spaced annularly therefrom adjacent to the larger end thereof for causing flow of air and entrained solid particles and for imparting rotary motion thereto, the smaller end of said conical member being spaced axially from said impeller, a second hollow conical member within said first conical member and disposed between the smaller end of said first member and the impeller, the walls of said conical members being substantially parallel, an



electric motor for driving said impeller within said second conical member and having an end adjacent the larger end of said second member, a third conical member supported at the smaller end by said end of the motor and extending into the space between said motor and said second member, said motor being formed with a passage opening within said third member and leading to atmosphere, and means forming a passageway extending radially outwardly from the interior of said first conical member at a point adjacent to said impeller.

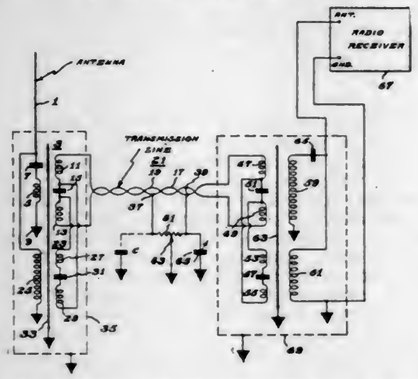
2,135,037

ANTENNA SYSTEM

Vernon D. Landon, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application October 31, 1936, Serial No. 108,508

6 Claims. (Cl. 250—20)



1. An antenna system comprising an antenna, a transmission line, means for transferring currents from said antenna to said line, means for balancing the conductors of said line with respect to ground, said means comprising a potentiometer having a resistance substantially higher than the impedance of said line and a variable capacitor connected between one side of said line and ground, a utilization circuit, and a balanced network for coupling said line and said utilization circuit.

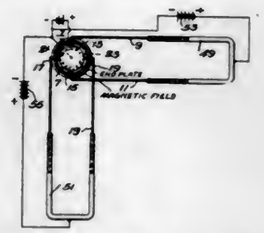
2,135,038

HIGH FREQUENCY MAGNETRON AMPLIFIER

Ernest G. Linder, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application December 31, 1935, Serial No. 56,890

12 Claims. (Cl. 179—171)



1. A magnetron amplifier having a cathode and four anodes; said anodes being symmetrically arranged about said cathode, substantially parallel thereto, and separated from each other; an input circuit connected to a pair of said anodes oppositely disposed about said cathode; an output circuit connected to the remaining oppositely disposed pair of anodes; and a magnetic field whose lines of force are substantially parallel with said cathode.

2,135,039

ELECTRIC DISCHARGE DEVICE

Ernest A. Massa, Jr., Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application March 31, 1936, Serial No. 71,855

10 Claims. (Cl. 250—27.5)



10. An electron multiplier comprising a plurality of secondary-electron emitters, means for directing electrons from one to another of said emitters, an output electrode interposed in the path of the secondary-electrons, and a foraminous electrode mounted closely adjacent said output electrode for subjecting the secondary-electrons to an oscillation suppressing potential.

2,135,040

TURBINE BLADE TENON SPINNING MACHINE

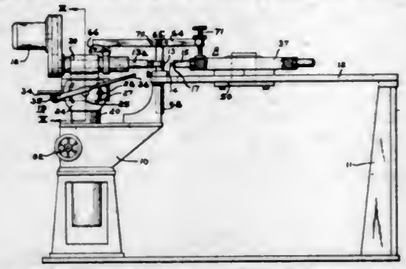
John G. Morgan, Collingdale, and Joseph C. Bohan, Prospect Park, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 16, 1936, Serial No. 116,106

7 Claims. (Cl. 78—53)

6. In a machine for heading blade tenons over a shroud strip of a turbine blade assembly, a frame, a rotary spinning tool, a support embodying guide and slide parts and the tool being carried by the slide part, a pivotal connection between the frame and said guide part and providing for adjustment of the latter in a plane transverse of the turbine blade assembly support and the blade assembly carried thereby, means for holding the guide part in desired positions of angular adjustment about said pivotal connection, and feed mechanism for imparting feed

motion to the slide part to feed the spinning tool toward a tenon and for retracting it from the



latter and including an operating element carried by said guide part.

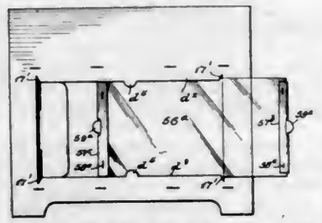
2,135,041

DISPLAY DEVICE

Harold L. Myers, Morristown, N. J.

Application June 13, 1936, Serial No. 85,031

7 Claims. (Cl. 206—44)



4. A display device comprising a main panel provided with a display opening, a plurality of panels and sections foldably connected with each other and with said main panel and adjustable relatively to each other to form a container rearwardly of said panel in conterminous registry with the display opening thereof, contiguous integral portions of said main panel and associated adjacent panels respectively co-operating to provide guideways along predetermined parallel edges of said display opening, and a closure for said container slidably adjustable in said guideways to open and closed positions.

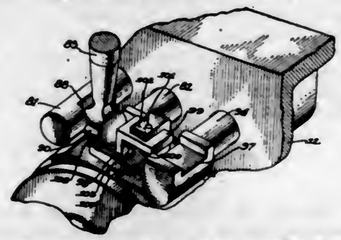
2,135,042

TRANSMISSION CONTROL FOR MOTOR VEHICLES

Peter F. Rossmann, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application January 19, 1935, Serial No. 2,510

11 Claims. (Cl. 74—473)



1. In a change speed drive mechanism, shift means comprising two rails having recesses therein, a shift lever movable into and out of the recess in one of the rails, and slidably mounted means operable by said lever while in said recess for engaging in the recess in the other rail and locking the rails together for simultaneous shifting by the lever.

2,135,043

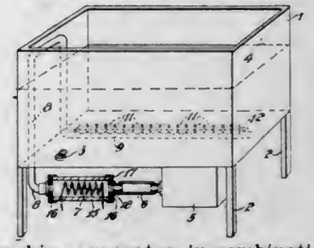
APPARATUS FOR WASHING, RINSING AND DRYING CROCKERY, LAUNDRY AND THE LIKE

Otto Markus Seman, Balham, London, England

Application June 15, 1936, Serial No. 85,238

In Great Britain June 25, 1935

1 Claim. (Cl. 261—77)



In a washing apparatus, in combination, a liquid container, and means for projecting streams of the liquid upwardly at high velocity through the overlying body of liquid in the container, comprising an air conduit mounted in the bottom of the container, a series of air outlet nozzles projecting upward from the conduit in substantially parallel relation, a Venturi tube support, and a series of submerged, liquid impelling and liquid directing Venturi tubes fixed on the support in the same geometrical arrangement as that of the nozzles on the conduit, said conduit and support cooperating to dispose each Venturi tube in surrounding relation to the outlet end of one of the nozzles, and means for heating the air delivered to the nozzles, whereby a plurality of violent submerged upwardly directed mixed streams of heated air and liquid may be formed for washing submerged articles by the impingement of such streams against such articles.

2,135,044

POUR INHIBITOR AND METHOD OF MANUFACTURING THE SAME

Jeffrey Hobart Bartlett and Anthony H. Gleason, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application July 14, 1934, Serial No. 735,198

5 Claims. (Cl. 260—671)

1. An improved method for producing wax modifying agents, which comprises condensing halogenated paraffin wax with an aromatic hydrocarbon at low temperatures with a catalyst of the type of aluminum chloride and after the initial condensation stage is substantially complete, separating the lighter inactive reaction intermediate products so produced from heavier active products and recondensing said separated lighter inactive products with a low molecular weight aliphatic poly halo-hydrocarbon derivative whereby the yield of wax modifiers is increased.

2,135,045

CONTROL FOR WELDING GENERATORS

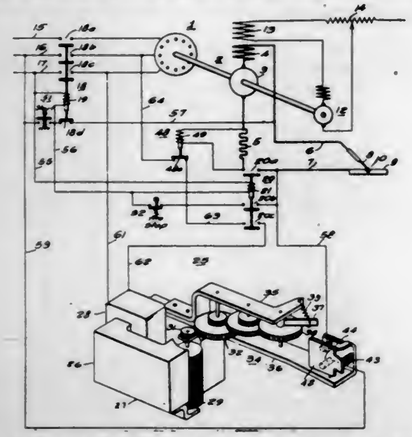
John H. Blankenbuehler, Edgewood, and Irvine J. Rees, Turtle Creek, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 4, 1934, Serial No. 723,878

12 Claims. (Cl. 171—118)

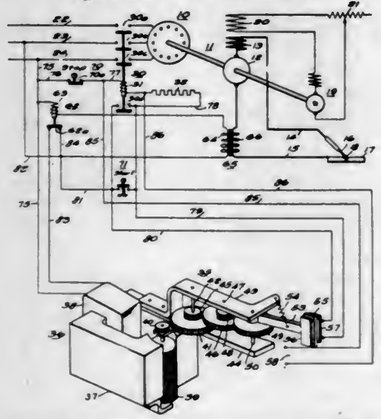
5. The combination with a motor having driving connection with a generator for supplying

current to a load circuit, of control apparatus for automatically disconnecting the motor from a power source comprising a main switch for connecting the motor to the power source, an operating winding for said main switch, normally closed contact means, circuit means for connect-



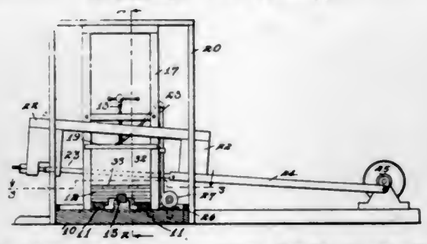
ing said operating winding to the power source through said normally closed contact means immediately upon closure of the load circuit, and time delay means for effecting the opening of said normally closed contact means a predetermined interval of time after cessation of flow of load current.

2,135,046
CONTROL FOR WELDING GENERATORS
John H. Blankenbuehler, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 4, 1934, Serial No. 723,879
13 Claims. (Cl. 171—118)



1. Control apparatus for automatically disconnecting from a power source a motor having driving connection with a generator for supplying current to a load circuit comprising, in combination, means for opening and closing said load circuit, a main switch for connecting the motor to the power source, means operable from the power source for effecting the closure of said main switch immediately upon closure of the load circuit, time delay means operable a predetermined interval of time after energization thereof for effecting the opening of said main switch, a relay provided with an operating coil and normally closed contact members for connecting said time delay means to the power source, and variable impedance means connected to the load circuit for controlling the energization of the operating coil, said relay being controlled by the variable impedance means to maintain said contact members open while the load circuit is closed and to effect a closure of said contact members in response to the opening of the load circuit.

2,135,047
METHOD FOR CUTTING AGATIZED PETRIFIED WOOD
J. Ross Carpenter, Cheyenne, Wyo.
Application December 19, 1936, Serial No. 116,734
2 Claims. (Cl. 125—16)

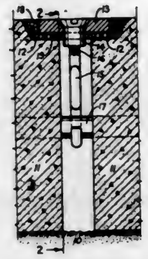


1. The method of cutting kerfs in agatized petrified wood, which consists in providing a thin, smooth blade made of a metal having a degree of porosity greater than that of agatized petrified wood, providing a jelly-like substance containing in suspension therein a quantity of abrasive particles of such size that they will enter and become lodged in the pores of the blade and will not enter and become lodged in agatized petrified wood, placing a quantity of said jelly-like substance containing said abrasive particles in contact with both the blade and the material to be cut, then reciprocating the blade against the material being cut, thereby causing portions of said abrasive particles to enter and become lodged in the pores of the blade and be carried by the blade in cutting contact with the material being cut and not lodged in the material being cut, to thereby avoid having said abrasive wear away the blade, then at times during the reciprocation of the blade, causing portions of its cutting edge to move away from contact with the material being cut, to thereby cause some of the abrasive particles carried by the blade to adhere to the material being cut, due to the adhesive quality of the said jelly-like substance, and thereby be withdrawn from the pores of the blade and thereafter returning said portions of the blade to contact with the material being cut and the jelly-like substance thereon to thereby cause other particles of said abrasive substance to enter the pores of the blade and present previously unused particles of the abrasive to cutting positions projecting from the blade.

2,135,048
JOINT
Harold W. Giffin, Trenton, N. J.
Application March 23, 1937, Serial No. 132,481
8 Claims. (Cl. 94—18)

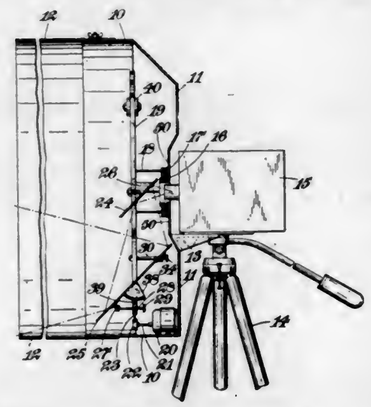
1. In an expansion and contraction joint structure for pavements and the like comprising, in combination with a pair of spaced pavement sections having opposing recessed shoulder portions

at the top, a tread-plate having a rigid body portion disposed in spaced relation between the outer edges of and resting on the shoulder portions of said sections, and means including a spring ele-



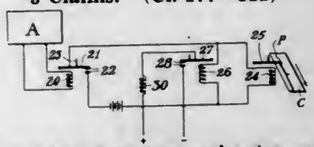
ment adapted for engagement with the plate and pavement sections, said means exerting a substantially downward pull and anchoring the tread-plate in place.

2,135,049
APPARATUS FOR STEREOSCOPIC CINEMATOGRAPHY
Ted Maxwell Harvey, London, England
Application March 10, 1937, Serial No. 129,992
In Great Britain October 2, 1936
4 Claims. (Cl. 88—16.6)



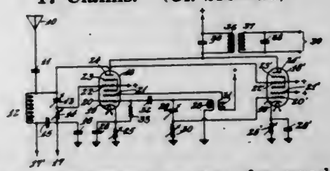
1. Apparatus for use in taking a stereoscopic cinematograph, comprising a casing, a bearing therein, a rotary framework supported in said bearing and located inside said casing, an external bracket on said casing whereby the latter may be carried on a camera support in such a position that the axis of rotation of the framework coincides with the longitudinal axis of the camera lens, a reflector on said framework in such a setting that it is located obliquely across the said axis and facing the lens, a second reflector on said framework in such a setting that it is located out of the said axis and facing the first reflector and also facing the object to be photographed, the reflecting surfaces of which first and second reflectors are those surfaces which face the lens in the case of the first reflector and face the object in the case of the second reflector, so that the light does not pass through the body of the reflectors, and means for adjusting the setting of the second reflector angularly with respect to said axis.

2,135,050
RAIL FLAW DETECTOR MECHANISM
Walter M. Perry, Brooklyn, N. Y., assignor to Sperry Products, Inc., Brooklyn, N. Y., a corporation of New York
Application October 30, 1934, Serial No. 750,615
3 Claims. (Cl. 177—311)



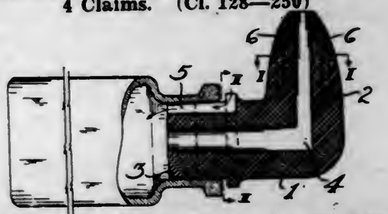
1. In a rail flaw detector mechanism, means responsive to flaw, a plurality of indicating means comprising a pen operating on a chart and rail marking means, an operating means for each of said indicating means, and means whereby said responsive means actuates said operating means, said last-named means including a normally closed electric circuit, said operating means being arranged in series in said circuit, and means whereby said responsive means opens said circuit in response to flaw.

2,135,051
SUPERHETERODYNE RECEIVING SYSTEM
Jozef Plebanski, Warsaw, Poland, assignor to Radio Patents Corporation, New York, N. Y., a corporation of New York
Application April 29, 1937, Serial No. 139,638
In Poland December 1, 1936
17 Claims. (Cl. 250—20)



1. In a radio system, means for producing a pair of signal current components having a quadrature phase relation, further means for producing a pair of auxiliary current components having a quadrature phase relation, means for modulating each of the signal current components by one of the auxiliary current components, and means for combining the modulated currents in a common output circuit.

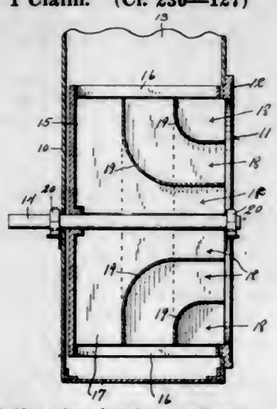
2,135,052
NASAL DOUCHE
William H. Rose, Jersey City, N. J., assignor to Stanco Incorporated, a corporation of Delaware
Application September 22, 1936, Serial No. 101,899
4 Claims. (Cl. 128—250)



1. A stopper-like aspirator device for insertion in a discharge opening of a container for liquid, consisting of a body portion having an inner end and an outer end, an annular shoulder spaced from said inner end and a longitudinal groove in said end extending through said shoulder, a nozzle portion joined to the outer end of said body portion in angular relation thereto, the tip

of said nozzle being on the same side of the aspirator as the groove and extending laterally thereof, said nozzle portion having a plurality of circumferentially spaced shallow grooves upon its surface with their ends terminating at the top of said nozzle, and a passageway extending through said body and nozzle portions, substantially concentric therewith, whereby the aspirator and liquid container may be tilted and liquid brought almost to the tip of the nozzle without flooding the body air-vent-groove.

2,135,053
CENTRIFUGAL FAN
John A. Rockwell, Phoenix, Ariz.
Application August 24, 1937, Serial No. 160,668
1 Claim. (Cl. 230—127)

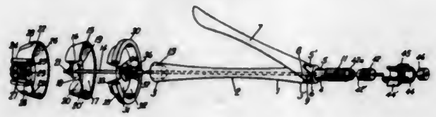


A fan of the "squirrel cage" type, including a casing having an inlet opening in its front wall and an outlet opening in its side wall, a shaft extending centrally through the casing, a back plate mounted upon the shaft adjacent the inner wall of the casing, a plurality of axially extending blades carried by said back plate and extending to the front wall of the casing, a plurality of radially disposed partition walls within the space defined by the shaft and the parallel blades of the fan, the partition walls being held from rotation with the fan and extending from the front of the casing to the rear thereof and from the shaft to the inner edges of the blades, said radial walls dividing the space within the fan into a plurality of compartments, and a plurality of walls disposed between each pair of partition walls and extending inward from the inlet opening of the fan in concentric relation to each other and approximately parallel to the axis of rotation of the fan and then curving laterally outward and extending radially in planes radial to the axis of rotation but at right angles thereto and terminating at the outer edges of said radial walls, the said concentric walls forming ducts and being attached to the radial walls.

2,135,054
TREATMENT OF MILK AND MILK PREPARATIONS
Charles Schwartz, Pittsburgh, Pa., assignor to Hall Laboratories, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application June 17, 1937, Serial No. 148,749
9 Claims. (Cl. 99—54)

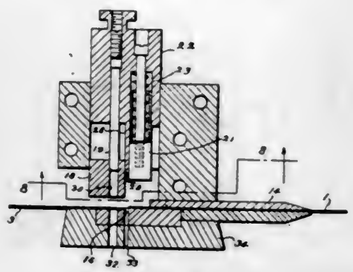
1. The process of improving the digestibility of milk and milk preparations, which comprises adding thereto an alkali-metal tripolyphosphate.

2,135,055
HAIR WAVING APPARATUS
Peter Santurello, Columbus, Ohio
Application September 23, 1932, Serial No. 634,574
32 Claims. (Cl. 132—33)



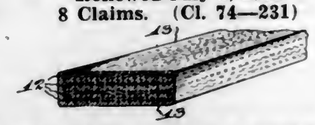
1. A hair-waving device comprising a mandrel having a central portion of small cross-section and gradually increasing in size towards its ends, means for securing hair to said mandrel, said means comprising a member adapted to fit over said mandrel, said means being adjustable longitudinally of said mandrel and swingable between operative and inoperative positions.

2,135,056
METHOD FOR MAKING LOOSE LEAF BOOK SHEETS
Frank Stanley Schade, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts
Original application November 15, 1934, Serial No. 753,111. Divided and this application May 18, 1935, Serial No. 22,153
4 Claims. (Cl. 129—1)



1. The method of reenforcing small areas of binding hole locations in paper sheets which consists in moving a narrow ribbon of metal foil flatwise at right angles to the edge of the paper until the ribbon covers only a small area of the paper at a binding hole location, pressing the overlapped portion of the ribbon hard and flatwise against the paper and also gripping a portion of the ribbon to hold it tightly a short distance back of the paper margin and while so pressed and gripped, perforating the hole in the ribbon and paper and also stamping out the piece of the ribbon immediately back of the edge of the paper to round off the end of the ribbon for a successive feeding step, and square off the paper overlapping portion with the edge of the paper, said stamped out piece being the area of the ribbon between the pressure area of the overlapped portion and the gripping contact of the ribbon a short distance back of the overlapped portion whereby the reenforcing pieces are successively made from the ribbon by simultaneously punching the binding hole, squaring off the piece with the edge of the paper, and rounding off the ribbon for the front end of the next piece.

2,135,057
FABRIC BELTING
Games Slayter and Jesse Le Roy Tucker, Newark, Ohio, assignors to Owens-Illinois Glass Company, a corporation of Ohio
Application February 7, 1936, Serial No. 62,783
Renewed July 2, 1938
8 Claims. (Cl. 74—231)

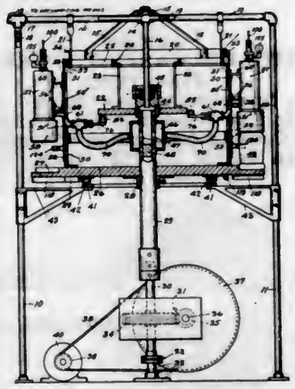


1. A power belt comprising a woven fabric including glass wool fibers, at least some of which extend longitudinally of the belt.

2,135,058
CATALYST FOR HYDROGEN PRODUCTION FROM HYDROCARBONS
William E. Spicer, Baton Rouge, La., and Garland H. B. Davis, New York, N. Y., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 15, 1932, Serial No. 647,408
10 Claims. (Cl. 23—212)

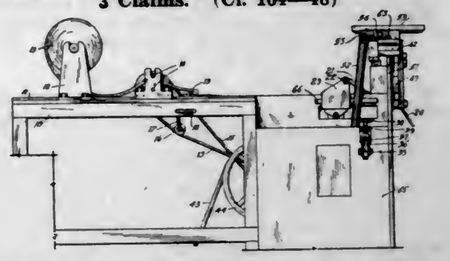
1. Process for the production of hydrogen by reaction of hydrocarbons with steam comprising passing a mixture of hydrocarbons containing sulfur and steam at an elevated temperature over a catalyst comprising, as a primary catalytic element, a metal of group VI of the periodic table, said catalyst being free from metals of the iron group.

2,135,059
DEVICE FOR CONTINUOUSLY VACUUMIZING CONTAINERS
Joseph W. Uren, Seattle, Wash., assignor to Crescent Manufacturing Co., Seattle, Wash., a corporation of Washington
Application April 16, 1935, Serial No. 16,635
8 Claims. (Cl. 226—82)



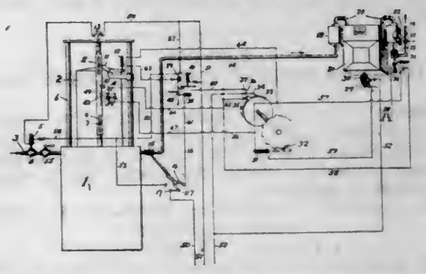
5. In a device for vacuumizing and sealing containers, a vacuumizing and sealing receptacle; means carried by said receptacle providing an air tight connection with a container to be vacuumized; and resilient cap supporting means within said receptacle supporting a plurality of caps with the lowermost cap positioned to operatively engage with the top end of a container received within said receptacle, said cap supporting means permitting withdrawal of the lowermost cap with the container and retaining the balance of the caps in the receptacle.

2,135,060
COTTON CUTTING MACHINE
Joseph A. Voss, Denver, Colo.
Application January 26, 1937, Serial No. 122,373
3 Claims. (Cl. 164—48)



1. A machine for cutting strip material into relatively short lengths comprising: a work table for supporting said material; a stationary knife blade at one extremity of said table; a reciprocating knife blade hingedly supported above said stationary knife blade; a reciprocating member moving at right angles to said blades; an inclined tucking blade hingedly supported by said reciprocating member so as to rest upon the material on said table; means for reciprocating said knife; a lever hinged at its lower extremity and contacting said reciprocating member at its upper extremity; a cam shaft extending across said lever; a vertically movable frame carrying said cam shaft; a cam on said cam shaft; a spring urging said lever against said cam; and means for raising and lowering said frame to vary the point of contact between said cam and said lever along the length of the latter.

2,135,061
FLUID METER TESTER
Walter C. Wagner, Ardmore, and Frederick Strattner, Manoa, Pa.
Application April 1, 1935, Serial No. 14,066
9 Claims. (Cl. 73—51)



1. In a device for testing fluid meters, the combination of, a card for receiving a record, a card holder for accurately positioning said card, a marker movable parallel to the surface of said card in response to movement of a part of said device, which part moves proportionately to the volume of fluid passing through said meter, and movable vertical to the surface of said card, a pivoted lever movable so as to be operable to cause said marker to move vertically to the surface of said card, a solenoid connected to said lever to actuate it upon energization of said solenoid, a switch mounted for circuit opening and closing movement in response to movements of the meter being tested and means controlled by said switch to control the energization of said solenoid after a predetermined number of movements of said switch.

2,135,062

PREPARATION OF AROMATIC DIHYDRO DICARBOXYLIC ACIDS

Joseph Frederic Walker, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 19, 1936, Serial No. 111,676
16 Claims. (Cl. 260—515)

10. The method of separating high and low melting acids from the reaction mixture obtained by carboxylating an alkali metal addition compound of a polycyclic aromatic hydrocarbon having two benzene nuclei per molecule comprising acidifying said reaction mixture and separating the high melting dihydro dicarboxylic acid of said hydrocarbon, heating the aqueous solution obtained upon separation of said high melting acid in the presence of free alkali, and thereafter acidifying said solution to precipitate a dihydro dicarboxylic acid.

14. As a new composition of matter, the mixture of dihydronaphthalene dicarboxylic acids prepared by heating a mixture of the dihydronaphthalene 1,2-dicarboxylic and dihydronaphthalene 1,4-dicarboxylic acids primarily formed by carboxylating a sodium addition compound of naphthalene in the presence of an alkaline aqueous medium.

2,135,063

METHOD OF PRODUCING PENTAGLYCOL

Joseph Frederic Walker and Norris Turnbull, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 6, 1937, Serial No. 152,138
15 Claims. (Cl. 260—635)

1. The process of preparing pentaglycol which comprises reacting a mixture of isobutylraldehyde and formaldehyde with an alkali selected from the group consisting of alkali metal hydroxides and alkaline earth metal hydroxides in a reaction medium containing approximately 20 to 60% of water based upon the weight of the total reaction mixture.

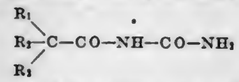
2,135,064

UREIDES CONTAINING A QUATERNARY CARBON ATOM

Frank C. Whitmore, State College, Pa., August H. Homeyer, St. Louis, Mo., and Clarence I. Noll, State College, Pa., assignors to Mallinckrodt Chemical Works, St. Louis, Mo., a corporation of Missouri

No Drawing. Application February 17, 1936, Serial No. 64,338
4 Claims. (Cl. 260—553)

1. A ureide corresponding to the type formula:



where R_1 is one of the group consisting of hydrogen and the halogens, R_2 is one of the group consisting of hydrogen, the lower alkyls, and phenyl, and R_3 is an alkyl containing a quaternary carbon atom in its structure.

2,135,065

TOOL

George August Wick, Irvington, N. J.

Application August 30, 1937, Serial No. 161,659
1 Claim. (Cl. 254—131)

A tool of the class described comprising a rod-like shank having a handle at one end thereof and a lateral extension at the other end thereof forming a head, said head being sinuous in shape and comprising a central portion bowed in the direction of the handle end of the shank,



and a pair of inner and outer portions upon opposite sides of the central portion and oppositely bowed relative thereto, the outer portion terminating in a tapered end inclined in the direction of the handle end of the shank.

2,135,066

CLEANING COMPOSITION AND METHOD

Carl Winning, Union, and John B. Holtzclaw, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application November 23, 1934, Serial No. 754,467
2 Claims. (Cl. 87—5)

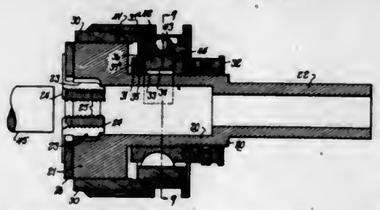
1. A rust removing composition comprising b-b'-dichlorethyl ether and kerosene in the ratio of about 70:30, said composition also containing about 50 grams of trisodium phosphate per 12 fluid ounces of the ether-kerosene solution.

2,135,067

AUTOMATIC-RELEASING THREAD-CUTTING TOOL

Albert F. Breitenstein, New Haven, Conn., assignor to The Geometric Tool Company, New Haven, Conn., a corporation of Connecticut

Application August 25, 1937, Serial No. 160,749
8 Claims. (Cl. 10—95)



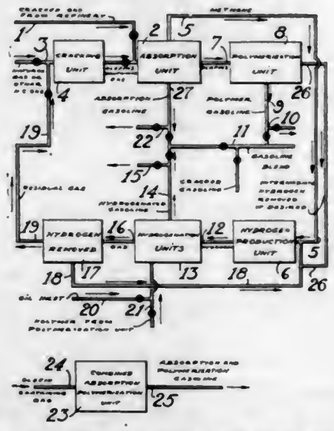
1. An automatic-releasing thread-cutting tool, comprising: a body-unit having a latching-abutment; a plurality of substantially-radially retirable and advanceable thread-cutting chasers carried by the said body-unit; spring-means urging the said chasers into their retired or inoperative positions; a latch-releasing member; and a latch-member movable into releasing position by the said latch-releasing member and releasably holding the said chasers in their advanced or thread-cutting positions, the said latch-member being provided with a latching-abutment positioned to engage with the latching-abutment of the said body-unit; one of the aforesaid latching-abutments comprising a latching-shoulder and a let-off shoulder intersecting the said latching-shoulder and inclined with respect to the plane thereof at a non-camming angle of substantially less than 45°, the said latching-shoulder being positioned to fixedly restrain the said chasers in their advanced or thread-cutting positions during the normal thread-cutting operation of the tool and the said let-off shoulder being positioned and inclined to cause the progressive retirement of the said chasers at the termination of the normal thread-cutting operation to substantially erase longitudinal shoulders left upon the work by the said chasers.

2,135,068

PRODUCTION OF BLENDED ANTIKNOCK MOTOR FUELS CONTAINING POLYMERIZED GASOLINE

William E. Currie, Flushing, N. Y., assignor to Standard-I. G. Company, a corporation of Delaware

Application January 31, 1936, Serial No. 61,721
2 Claims. (Cl. 196—10)



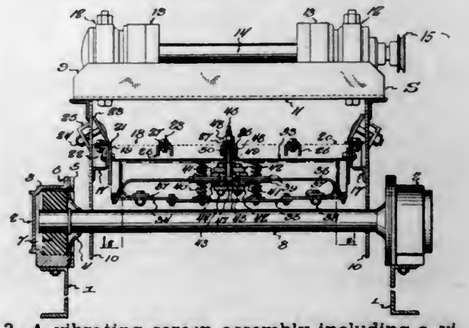
1. A method of producing high anti-knock motor fuel from saturated normally gaseous hydrocarbons which comprises subjecting said saturated normally gaseous hydrocarbons to cracking conditions for a time adequate to convert a substantial portion of said saturated hydrocarbons into olefins, thereafter separating the olefins so formed from unreacted saturated hydrocarbons, producing hydrogen from said unreacted saturated hydrocarbons, subjecting the olefins so separated from said unreacted saturated hydrocarbons to polymerization conditions for a time sufficient to convert the normally gaseous olefins into higher-boiling normally liquid polymer hydrocarbons, passing a mixture of said polymer hydrocarbons and hydrogen obtained from said unreacted saturated hydrocarbons through a hydrogenating zone maintained under hydrogenating conditions for a time sufficient to effect a substantial hydrogenation of said polymer hydrocarbons, thereafter fractionating the hydrogenated product to separate a fraction within the motor fuel boiling range and a normally gaseous fraction, removing unreacted hydrogen from said normally gaseous fraction and passing the remainder of said normally gaseous fraction to said first-named cracking treatment.

2,135,069

VIBRATING SCREEN

Emil E. Deister and Irwin F. Deister, Fort Wayne, Ind., assignors to Deister Machine Co., Fort Wayne, Ind.

Application June 6, 1935, Serial No. 25,264
8 Claims. (Cl. 209—382)



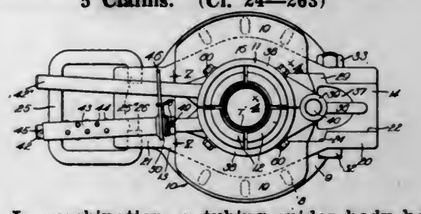
3. A vibrating screen assembly including a vibratory frame and a single screening medium carried thereby, a striker mechanism carried by and movable with relation to the vibratory frame for actuation by the latter, and means supported by the screening medium for engagement by said striker mechanism during both upward and downward movements of the latter and for limiting said movements of the striker mechanism.

2,135,070

SPIDER

Ralph D. Fisher, Long Beach, Calif., assignor to Baash-Ross Tool Company, Los Angeles, Calif., a corporation of California

Application May 22, 1936, Serial No. 81,211
5 Claims. (Cl. 24—263)



1. In combination, a tubing spider body having an opening for receiving a tubing and a channel communicating with the opening whereby the body may be moved laterally relative to the tubing to have the opening receive the tubing, a gate insertable downwardably in the channel to occupy the same, tongue and groove connections between the body and gate preventing outward movement of the gate, the body having recesses in its upper side at the channel flanges on the gate adapted to seat in said recesses to have their upper sides substantially flush with the upper side of the body and to limit the downward movement of the gate in the channel, and slips adapted to seat in the opening to grip the tubing.

2,135,071

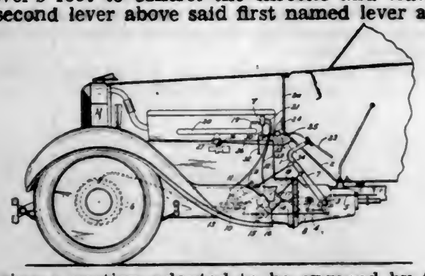
VEHICLE CONTROL APPARATUS

Frederick G. Folberth and William M. Folberth, Cleveland, Ohio

Application December 1, 1933, Serial No. 700,470
9 Claims. (Cl. 192—.01)

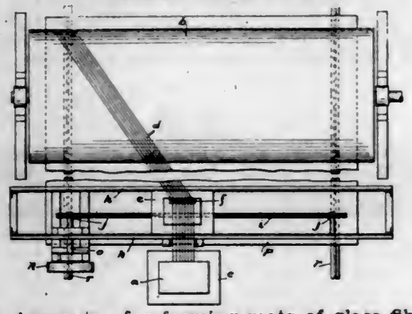
1. In control apparatus for an automotive vehicle having a clutch, a brake and a throttle, a

lever adapted to be operated by the vehicle driver's foot to control the throttle and clutch, a second lever above said first named lever and



having a portion adapted to be engaged by the top of the driver's foot, said second lever being adapted to control the vehicle brake.

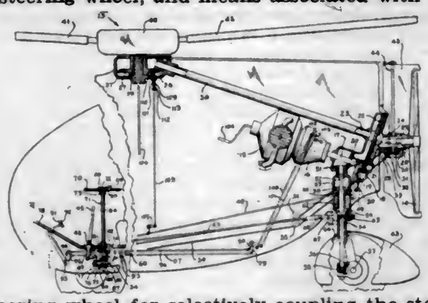
2,135,072
APPARATUS FOR MAKING GLASS FIBER MATS
Alfred Lindsay Forster, Glasgow, Scotland, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application October 20, 1937, Serial No. 170,076
In Great Britain August 8, 1936
3 Claims. (Cl. 49—17)



1. Apparatus for forming mats of glass fibers which comprises a stationary furnace having a plurality of outlet orifices adapted to emit streams of glass for attenuation into fibers, a stationary rotary drum spaced away from said orifices upon which said fibers are individually and simultaneously wound in spaced apart relationship, means between said outlet orifices and said drum for guiding said individual fibers in paths spaced apart and maintaining the fibers out of contact with each other throughout their travel from the furnace to the drum, and means for reciprocating said guiding means and causing said fibers while held in spaced relation and substantial parallelism, to traverse back and forth over said drum during the winding operation.

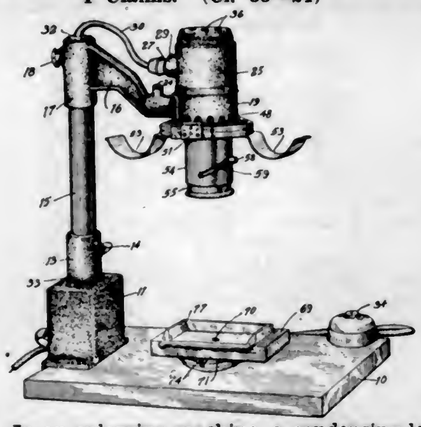
2,135,073
VEHICLE
William F. Gerhardt and William H. Horn, Detroit, Mich.
Application June 21, 1937, Serial No. 149,304
3 Claims. (Cl. 244—50)

1. In a vehicle of the character described, a body including a pilot's seat, a vertical lifting screw propeller positioned in a plane above the pilot's seat, a secondary propeller positioned aft of the pilot's seat, connecting means for maintaining positive relative movement between the propellers, a motor, control means located near the pilot's seat for engaging or disengaging the motor with said connecting means, a tail wheel, a steering wheel, and means associated with the



steering wheel for selectively coupling the steering wheel with either the secondary propeller or the tail wheel.

2,135,074
PHOTOGRAPHIC ENLARGER
Alvin Grant, Denver, Colo.
Application June 21, 1937, Serial No. 151,372
4 Claims. (Cl. 88—24)

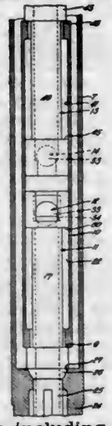


1. In an enlarging machine, a condensing lens housing; a film supporting plate rotatably mounted below said housing so that it may be rotated about the axis thereof; a lens tube extending from said film plate and rotatable therewith; and a projection lens assembly mounted in said lens tube; there being a slot through said lens plate; and a flexible, red, transparent strip inserted through said slot to color the light passing through said plate.

2,135,075
LAMINATED GLASS
Willy O. Herrmann, Deisenhofen, Germany, assignor to Chemische Forschungsgesellschaft m. b. H., Munich, Germany, a corporation of Germany
No Drawing. Application May 13, 1936, Serial No. 79,618. In Germany November 22, 1934
7 Claims. (Cl. 49—81)

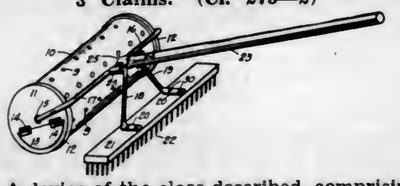
1. A laminated glass comprising a plurality of glass sheets adhesively joined by means of an intermediate film comprising a hydrophyllic polyvinyl compound and a polyhydric compound selected from the group consisting of sugars, dextrins, starch products and their degradation products, glycols, glycerol, glycerol aldehydes, polyhydroxy organic acids and polyhydric phenols.

2,135,076
WELL PUMP
Daniel W. Hoferer, Long Beach, Calif.
Application March 10, 1937, Serial No. 130,062
11 Claims. (Cl. 103—179)



1. A well pump including an elongate tube of uniform diameter forming, a movable barrel, a stationary plunger entering one end of the barrel, a movable plunger entering the other end of the barrel, slack connections between the barrel and the plungers whereby the barrel may move with the said second mentioned plunger during a portion of each stroke of the same, and valves controlling fluid flow through the plungers.

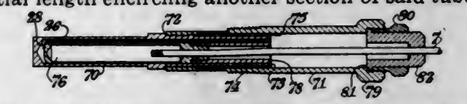
2,135,077
FLOOR LIME SPREADER
Robert V. Hove, Capron, Ill.
Application October 8, 1936, Serial No. 104,601
3 Claims. (Cl. 275—2)



3. A device of the class described, comprising a drum having therein a multiplicity of spaced orifices and end headers, said headers having circular peripheral flanges adapted to act as carrying means for said drum, end bars being pivotally secured at their front ends to the centers of said headers and having secured thereon to their rear ends a floor brush being positioned parallel to and adjacent said drum, said bars having a rearwardly and upwardly extending handle secured thereto, whereby said drum and brush may be simultaneously or individually pushed or pulled while in contact with the floor.

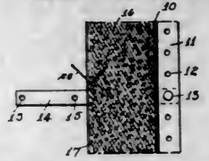
2,135,078
COMBINATION WELL AND BULB CONSTRUCTION FOR THERMOSENSITIVE DEVICES
Karl H. Hubbard and Lawrence E. Smith, Rochester, N. Y., assignors to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application June 13, 1935, Serial No. 26,414
11 Claims. (Cl. 297—3)

1. In combination, a thermosensitive tube system including a bulb containing a thermosensitive medium and a capillary tube of low heat-conducting material communicating with the interior of said bulb, said bulb having an extension sleeve encircling a section of said tube in spaced relation thereto, a connecting piece of substantial length encircling another section of said tube,



said connecting piece being separated from said tube by a substantial annular recess except at a point remote from said bulb where said connecting piece is joined to said tube, and a well in which said bulb and extension sleeve are enclosed, said well being attached to said connecting piece.

2,135,079
METHOD OF FORMING CONCRETE WALLS
William Allen Jennings, Des Moines, Iowa, assignor to Economy Forms Corporation, Des Moines, Iowa, a corporation of Iowa
Application May 29, 1936, Serial No. 82,473
1 Claim. (Cl. 25—154)

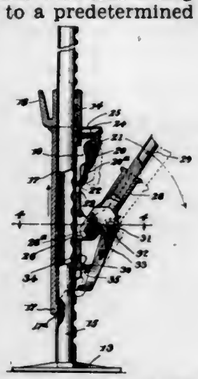


The method of constructing upright concrete walls, which consists in providing two upright mould forms, supporting said mould forms in spaced apart positions by spacing bars extended through and beyond one of the mould forms, then filling the space between the mould forms and permitting it to set and harden and thereby firmly hold the spacing bars in position, then removing the mould form through which the spacing bars are extended, then applying a layer of compressible material to the exposed concrete surface, then replacing the mould form upon the spacing bars in spaced apart position from the compressible material and utilizing the previously formed concrete wall in firmly holding the spacing bars and supporting the replaced mould form, then filling the space between the compressible material and the replaced mould form with the concrete and removing the mould forms and spacing bars.

2,135,080
JACK
Clarence S. Johnston, Amarillo, Tex., assignor, by direct and mesne assignments, of one and one-half per cent to Guilla Phipps, Fort Worth, Tex., nineteen and thirty-five thirty-sixths per cent to E. M. Keller, three per cent to J. B. Phipps, Jr., and forty-four and four-ninths per cent to F. C. Nelson and L. C. Bradford, all of Pampa, Tex.
Application December 31, 1935, Serial No. 57,049
6 Claims. (Cl. 254—108)

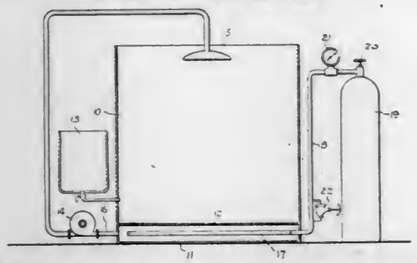
4. A jack of the class described comprising a standard, a sleeve slidably mounted vertically upon said standard, latch means for holding said sleeve against accidental downward sliding movement, an operating lever pivoted upon said sleeve, a lifting dog pivoted upon said lever, said standard having means engageable by the dog whereby the sleeve will be lifted vertically as said dog engages the standard and said lever is swung, and

means engageable with said lifting dog when said lever is swung to a predetermined lifted position



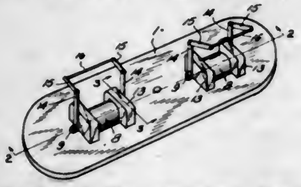
for automatically kicking said lifting dog out of engagement with said standard.

2,135,081
SOAKING SILK YARNS
Philip Kaplan, Teaneck, N. J., assignor to The Richards Chemical Works, Incorporated, Jersey City, N. J., a corporation of New Jersey
Application July 13, 1937, Serial No. 153,338
2 Claims. (Cl. 28—60)



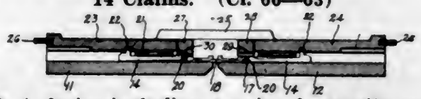
1. In the process of soaking silk submerged in a bath containing oil for throwing purposes, the step of bubbling CO_2 through the soaking bath whereby said CO_2 acts on said oil and rapidly transfers substantially the entire quantity thereof from the bath to the silk.

2,135,082
AMUSEMENT DEVICE
Martin H. Kelly, Chatcolet, Idaho
Application July 28, 1937, Serial No. 156,195
5 Claims. (Cl. 272—32)



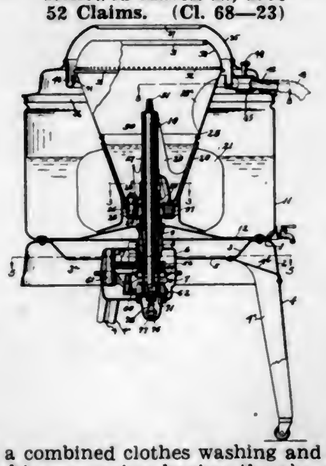
2. A device of the character described comprising a buoyant body mounted to turn about a vertical axis, rotary tread members carried by said body at opposite sides of the mounting and mounted to turn about axes disposed diametrically of the axis of the body, and paddles extending outwardly from said tread members for acting upon water to impart movement to the body about its axis.

2,135,083
KNITTING MACHINE
Frank J. Kern, Brooklyn, N. Y.
Application December 4, 1937, Serial No. 178,011
14 Claims. (Cl. 66—63)



3. A device including a pair of opposite cooperating pressure guides for the tiltable jacks of a links and links knitting machine, each of said guides having a downward facing bearing surface having a pair of spaced parallel recesses cut therein, said bearing surface being otherwise plane throughout.

2,135,084
CLOTHES WASHING MACHINE
James B. Kirby, West Richfield, Ohio, assignor, by mesne assignments, to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio, as trustee
Application March 14, 1932, Serial No. 598,552
Renewed March 12, 1936
52 Claims. (Cl. 68—23)



1. In a combined clothes washing and extracting machine, a casing having therein a bladed agitator journaled upon a vertical axis, an extractor-container located above said agitator and having its side wall defining a surface of revolution coaxial with said vertical axis and adapted for the centrifugal discharge of liquid upon rapid rotation, a single shaft coaxial with said vertical axis and operatively connected to said container, means for oscillating and rotating said shaft, and means for connecting said shaft to said agitator for effecting its oscillation.

8. In a combined clothes washing and extracting machine, in combination, a casing for clothes and detergent liquid, an upright hollow sleeve inside said casing, an agitator journaled on the exterior of said sleeve and having radiating blades, a shaft inside said sleeve having a disconnectible driving connection with said agitator, means for oscillating said shaft, means for raising and lowering said shaft and means operative upon such lowering of said shaft for connecting said shaft to said agitator in operating relation, said means also serving upon the raising of said shaft to interrupt such driving connection.

11. In a combined clothes washing and extracting machine, in combination, a cloths washing element, a centrifugal container, an electric motor, means providing driving connections from said motor to said washing-element and container, a control handle, connections from said handle to establish and disestablish said driving connections, a switch in circuit with said motor, and means movable with said handle for preventing actuation of said switch when said motor is connected by said first named means to said container.

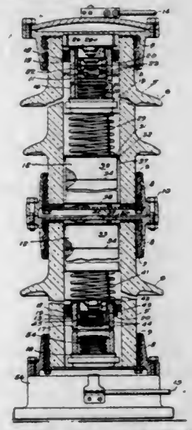
14. In a laundry machine, an annular frame having depending integral inner and outer flanges defining an inverted annular channel, a casing resting on the portion of said frame between said flanges, and legs fastened to said outer flange, each leg having a part secured to said inner flange in bracing relation.

52. In a washing machine, the combination with a liquid holding tub, of an agitator therein comprising a hollow body structure with outwardly flaring top and bottom portions and radially projecting agitating vanes extending between said top and bottom portions and defining therewith a plurality of outwardly opening compartments about the axis of the agitator, and means for oscillating said agitator.

2,135,085
LIGHTNING ARRESTER
Leon R. Ludwig, Wilkinsburg, Walter G. Roman, Forest Hills, Frederick B. Johnson, Murraysville, and William E. Berkey, Forest Hills, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 7, 1937, Serial No. 152,416
18 Claims. (Cl. 175—30)

1. An alternating-current lightning arrester comprising, in combination, a valve-type part, a quench-gap part, and a switch-gap part, all connected in series-circuit relation; the valve-type part having the property of conducting heavy-current excess-voltage discharges at a discharge-voltage which is in excess, but only a small multiple, of the normal line-voltage of the arrester, and of strongly limiting the current-flow, but still permitting a material current-flow, when the discharge-voltage falls to a value approximating the normal line-voltage; the quench-gap part having the property of becoming, in effect, a relatively low-impedance conductor permitting the aforesaid heavy discharges at a voltage-drop which is very low with respect to the normal line-voltage, and of changing to an unstable conductor which will change promptly, as at current-zero, to a high-resistance conductor capable of limiting the discharge to a low value when the line-voltage falls to a critical value, said critical value being intermediate between the normal line-voltage and the line-voltage during said heavy-current discharge; the switch-gap part having the property of becoming, in effect, a relatively low-impedance conductor permitting the aforesaid heavy discharges at a voltage-drop which is very low with respect to the normal line-voltage, and of changing to an unstable conductor which will change promptly, as at current-zero, to a substantially open-circuit condition after the quench-gap part limits the discharge to the aforesaid low value.

3. An alternating-current lightning arrester comprising, in combination, a valve-type part, a quench-gap part, and a switch-gap part, all connected in series-circuit relation; the valve-type part having the property of conducting heavy-current excess-voltage discharges at a discharge-voltage which is in excess, but only a small multiple, of the normal line-voltage of the arrester, and of strongly limiting the current-flow, but still permitting a material current-flow, when the discharge-voltage falls to a value approximating the normal line-voltage; the quench-gap part comprising a resistance-shunted multiple-gap part having a normal-frequency breakdown-voltage materially in excess of the normal line-voltage; the switch-gap part comprising a normally insulated series-gap part having a normal-frequency breakdown-voltage in excess of the normal line-voltage.



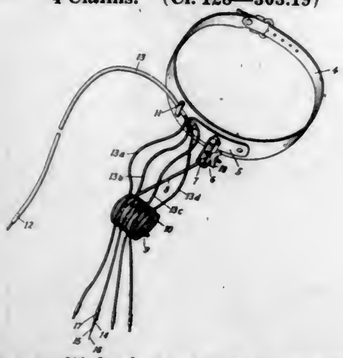
13. An alternating-current lightning arrester comprising, in combination, a valve-type part, and a quench-gap part, connected in series-circuit relation; the valve-type part having the property of conducting heavy-current excess-voltage discharges at a discharge-voltage which is in excess, but only a small multiple, of the normal line-voltage of the arrester, and of strongly limiting the current-flow, but still permitting a material current-flow, when the discharge-voltage falls to a value approximating the normal line-voltage; the quench-gap part comprising a resistance-shunted multiple-gap part having a normal-frequency breakdown voltage materially in excess of the normal line-voltage, said resistance-shunt carrying a small current which flows through said valve-type part even after the arc is extinguished in said shunted multiple-gap part.

17. A spark-gap unit for a lightning arrester, comprising a plurality of serially connected, stacked gap-elements having a larger plate at each end thereof, a high-resistance ring disposed outside of the stacked gap-elements and between the two larger plates, and spring-means associated with the structure whereby firm electrical contacts may be made notwithstanding slight discrepancies in the axial thicknesses of the stacked gap-elements and resistance ring, respectively.

18. An excess-voltage, alternating-current protective device comprising, in combination; a housing-structure comprising one or more petticoated tubular insulators having closure-means at each end thereof; and, in stacked relation within said housing-structure, a valve-type part, a switch-gap part, and a quench-gap part; the switch-gap part comprising a plurality of serially connected, stacked, insulating-gap elements and a separate hermetic switch-gap enclosure for said plurality of insulating-gap elements, said switch-gap enclosure being disposed within said housing-structure at the high-voltage end thereof; said quench-gap part comprising a plurality of serially connected quench-gap devices and a separate hermetic quench-gap enclosure for said plurality of quench-gap devices, the construction

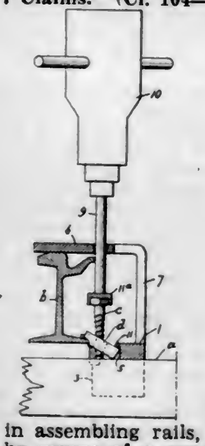
and arrangement being such that means including shunting resistance is provided for controlling the normal-frequency electrostatic stress-distribution of said quench-gap devices, said quench-gap enclosure being disposed within said housing-structure at the low-voltage end thereof.

2,135,086
MULTIPLE-ELECTRODE HOLDER
Moses Marton, New York, N. Y.
Application March 23, 1936, Serial No. 70,225
4 Claims. (Cl. 128—303.19)



3. In a multiple electrode holder, means to support a holder from the body of a patient, means extending from the aforesaid means for supporting a plurality of electrode-bearing cords, said means having holding portions to hold said cords, and universally adjustable means connecting said second-recited means and holding portions with the aforesaid means.

2,135,087
ALIGNER AND HOLDER FOR SCREW SPIKING MACHINES
John C. W. Mathias, Upper Darby, Pa.
Application December 31, 1936, Serial No. 118,469
7 Claims. (Cl. 104—2)

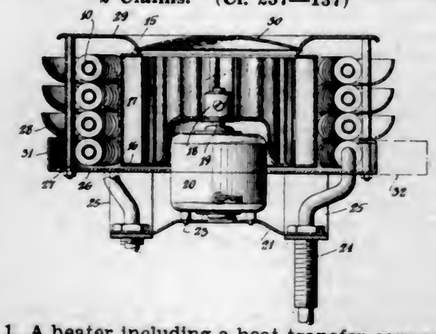


1. For use in assembling rails, ties, clips and screw spikes by means of a screw spiking machine; a jig or fixture adapted to fixedly seat on a tie and having leg and arm members of which the operative faces are disposed at right angles in respect to each other and respectively adapted to engage a tie and a rail and hold the same in fixed angular relation against the torque of a screw spike driven by the machine, and said jig or fixture having intermediate of its ends an opening adapted to accommodate a perforate clip and defining a wall angularly fixed in respect to the rail and adapted to cooperate with an edge wall of the clip to square the clip in respect to the rail, said opening and the perforation in the clip permitting of the passage of a screw spike into the tie to draw the tie and clip and jig or fixture upwards in respect to the rail, the perforation in the clip being large enough to permit the clip when the tie is spaced from the foot of the rail to occupy an inclined position with one undercut end on the foot of the rail and free to slide and turn thereon and with a part of the other end confronting the wall in the opening and with the other part of that end free to slide and turn on the face of the tie as the latter is drawn up to the rail, thereby putting the clip in horizontal position.

2,135,088
TREATING TEXTILE YARNS AND PRODUCTS THEREFROM
Aubrey E. Meyer, Paris, France, assignor to Para Fabrics Corporation, New York, N. Y., a corporation of New York
Application October 3, 1930, Serial No. 486,072
2 Claims. (Cl. 117—2)

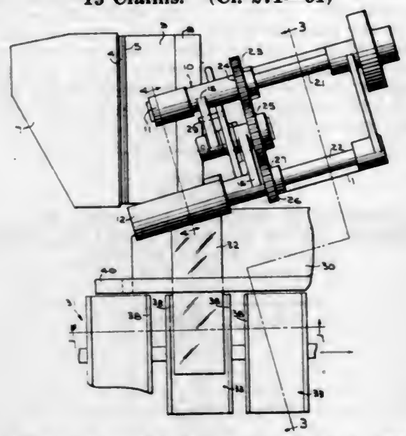
1. The method of treating textile yarn which comprises taking a hollow package of yarn and placing it in communication with a source of supply of an aqueous solution of soda and sulphonated oil, forcing said solution through said package under pressure until a piece of the dried yarn when placed on water will sink in a few minutes, removing the excess of hydrofiling agent from the package of yarn, passing a sizing solution through the so treated package of yarn under pressure, and detwisting the resulting yarn.

2,135,089
HEATER
Carl E. Meyerhoefer, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application May 18, 1937, Serial No. 143,321
2 Claims. (Cl. 257—137)



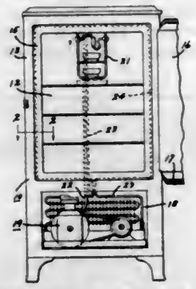
1. A heater including a heat transfer core presenting an opening of substantial area through its body, an air impeller disposed within said opening, a motor for driving said air impeller to draw air from a point beyond said core and to radially distribute such air in heat transferring contact with said core, a channel member concentrically disposed with respect to said core and enclosing only a portion of the latter to receive a part of the air radially flowing therefrom, and a duct coupled to said member to tangentially conduct the air received from said member the remainder of the air flowing outwardly beyond said core and to one side of said channel member.

2,135,090
FEED MECHANISM
Michael J. Milmoe, Glen Ellyn, Ill., assignor to F. B. Redington Co., Chicago, Ill., a corporation of Illinois
Application August 22, 1936, Serial No. 97,405
15 Claims. (Cl. 271—51)



1. Feeding mechanism comprising a conveyor movable forwardly in a longitudinal direction, said conveyor comprising a bodily movable receiving pocket, and circular feeding means comprising means for feeding the circular into the pocket at right angles thereto, while moving forwardly at the speed of the conveyor.

2,135,091
REFRIGERATING APPARATUS
Edward B. Newill, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application January 22, 1936, Serial No. 60,292
10 Claims. (Cl. 62—89)

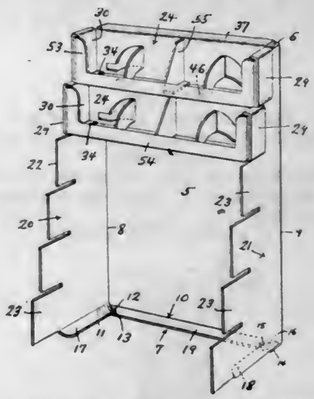


1. A refrigerating apparatus comprising in combination, a cabinet having a closed refrigerating system associated therewith, said cabinet being provided with a food storage compartment having an access opening, a door having a part thereof adapted to engage said cabinet about said access opening for closing same, said refrigerating system comprising a cooling element mounted within and adapted to maintain said food storage compartment between predetermined temperature limits, said refrigerating system also including a refrigerant circulating unit operatively connected to said cooling element and located exteriorly of said food compartment, a metal member forming the walls of said food storage compartment access opening and forming as well a continuation of the food compartment walls and the cabinet exterior walls, means breaking the metal-to-metal contact of said metal member with the exterior walls of said cabinet, said means forming a seal for the food storage compartment access opening and being adapted to be engaged by said door, and means for imparting heat to the walls of said cabinet adjacent the point of engagement of said door with said seal, said last named means being in intimate thermal contact with the walls of said cabinet and being normally ineffective and rendered effective automatically by operation of said refrigerant circulating unit.

2,135,092
BUILT-UP LUBRICATING OIL
George M. Maverick, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 20, 1933, Serial No. 703,213
9 Claims. (Cl. 87—9)

1. An improved lubricant, comprising a vehicle which is a high boiling hydrocarbon oil of viscosity lower than that ordinarily used for lubricating purposes, a thickening polymer of the linear hydrocarbon type, an oxidation inhibitor and a sludge disperser.

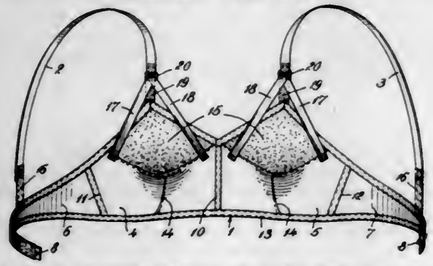
2,135,093
COMBINED DISPLAY PACKAGE AND RACK
Horace M. Abrams, Cambridge, N. Y., assignor to D. G. Ashton and Spencer B. Eddy, receivers for Jerome B. Rice Seed Co., Cambridge, Mass., a corporation of New York
Application May 7, 1935, Serial No. 20,252
Renewed September 6, 1938
2 Claims. (Cl. 248—152)



1. A display rack comprising a folded cardboard support having projections, a folded cardboard tray on said support and removably connected to said projections, the opposite ends of the tray being composed of overlapped side flaps and a projection including an inside end flap and an outside end flap, said outside end flap lying along the outside of the outer one of said side flaps and said inside end flap lying along the inner side of the inner one of said side flaps, so as

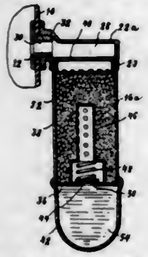
to lock the various flaps in position, the projections on the support being removably engaged between the outer side flaps and the inner side of the outside end flap and under the junction of the outside and inside flaps.

2,135,094
BRASSIÈRE
Ann Arons Alberts, New York, N. Y.; Leon N. Alberts, executor of Ann Arons Alberts, deceased
Application February 11, 1937, Serial No. 125,207
5 Claims. (Cl. 2—42)



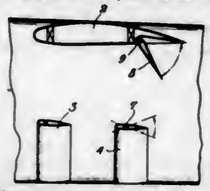
1. In a garment of the class described, a band of soft flexible material adapted to encircle the bust having a pair of outwardly-extending, generally-conical recesses at the front to receive the breasts, each of said recesses including a lower breast-supporting portion and an upper cover portion, shoulder straps extending upwardly centrally of the recesses and connecting means for each shoulder strap comprising a pair of side straps secured at their lower ends to the band at the sides of the recesses at places substantially in horizontal alignment with the centers thereof, said straps having their upper ends secured to the shoulder strap, and an extensible connection between the upper portion of the band and the shoulder strap, whereby the side straps are caused to support the lower portion of the band beneath each breast thereby lifting the breasts and at the same time drawing them inwardly at the sides and causing them to conform to the shape of the recesses without applying tension over the front of the breasts.

2,135,095
LIFESAVING APPLIANCE
Marco Aurelio Antognazzi, Rosario de Santa Fe, Argentina
Application April 16, 1937, Serial No. 137,345. Renewed September 21, 1938. In Argentina January 20, 1937
1 Claim. (Cl. 9—19)



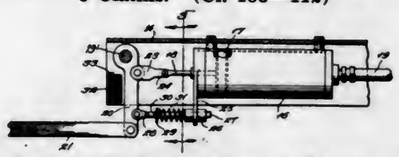
A life-saving appliance of the type described comprising a pneumatic chamber, an end cover having a depending flange, a transverse gas-permeable partition in said end cover and spaced from the end-wall thereof to define a passage-way, a hermetic coupling connecting said end cover to said chamber and comprising a duct communicating with said passage-way, a container detachably secured to said depending flange, a partition wall dividing said container into upper and lower compartments, an opening in said partition wall, a perforated conduit located over said opening and extending from said partition wall into said upper compartment, said conduit having its end adjacent said partition wall enlarged, a closure plate normally covering said opening and pressed against said partition wall by a spring housed in said enlarged end, said container having a rigid wall on the same side of the partition wall as said conduit and an elastic wall on the other side of said partition wall and containing separately in the upper and lower compartments chemical reagents which when mixed with evolve a sufficient amount of gas to inflate said pneumatic chamber.

2,135,096
AIRPLANE
Giuseppe M. Bellanca, Newcastle, Del.
Application March 22, 1934, Serial No. 716,894
Renewed March 22, 1938
3 Claims. (Cl. 244—37)



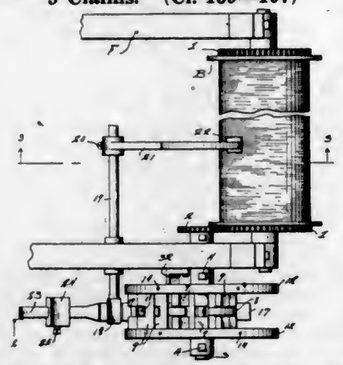
1. An airplane comprising a main wing section on each side of the fuselage, a split flap pivotally mounted on each section; a plurality of airfoils mounted on each side of the fuselage and attached respectively to the underside of the main wing and to the fuselage, means to change the attitude of one of said airfoils to impose a rolling moment on the airplane, and means to change the attitude of the other said airfoil to compensate for changes in the center of pressure on the main wing due to the operation of the flap.

2,135,097
TRAILER
Wallace R. Billingsley, Daytona Beach, Fla.
Application February 12, 1938, Serial No. 190,339
3 Claims. (Cl. 188—112)



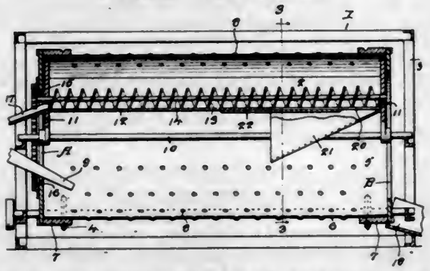
1. A trailer brake operating mechanism, comprising, in combination, a trailer chassis having wheels provided with braking mechanism, a draft member secured to the front end of said chassis having a brake operating device including a piston and a cylinder connected to said braking mechanism, a depending arm pivoted to said draft member and adaptable for connection with a tow car, a sectional connecting rod connecting said arm to said piston, means carried by said cylinder and connected to said arm for normally urging said piston in brake releasing position, and means secured to said draft member adjacent said depending arm for limiting the movement of said arm.

2,135,098
LET-OFF MECHANISM FOR LOOMS
William P. Bodie, Newberry, S. C.
Application May 7, 1938, Serial No. 206,659
5 Claims. (Cl. 139—107)



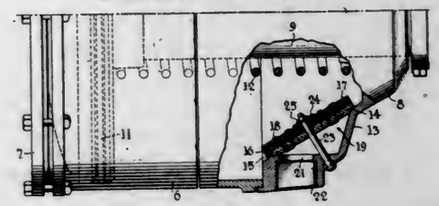
1. A let-off mechanism for looms comprising a rotatable member having driven connection with the rotating beam of a loom, weighted members carried by said rotating member and having sliding movement radially of the rotating member, said weighted members moving outwardly of the rotating member as said weighted members move downwardly, and means under control of the thread on the beam for holding the weighted members inwardly of the rotating member as said weighted members move downwardly.

2,135,099
FEED MECHANISM FOR GRAIN SEPARATORS
Carl S. Brye, Minnewaukan, N. Dak.
Application March 8, 1937, Serial No. 129,740
1 Claim. (Cl. 209—95)



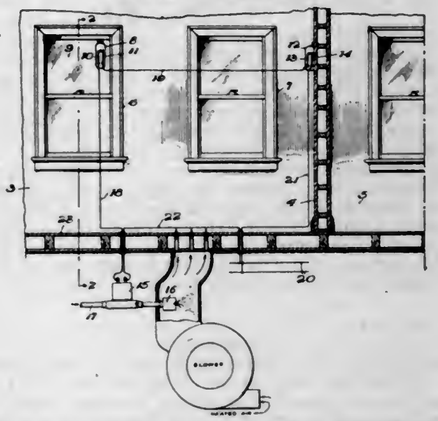
In combination with a seed separator having a horizontally disposed rotatable separator unit having head and discharge ends and including a feed means at the head end of said unit for material to be classified, and a discharge means at the discharge end of said unit for discharging certain classified material; a feed mechanism operating in said unit to receive and convey therefrom material of a selected character and comprising a horizontally disposed trough having a feed conveyer operable therein for feeding material therethrough, said trough fashioned with a discharge port in the floor thereof adjacent the discharge end of said unit, a closure slidably mounted on said trough floor for regulating the size of said port, a subjacent chute secured to said trough adjacent the discharge end of said unit and underlying said port for receiving material discharged therethrough, said chute having a bottom inclining downwardly towards the head end of said unit and having the lower end of the chute bottom terminating between said head and discharge ends of said unit whereby material discharged from said chute will be deposited on the peripheral wall of said unit away from said discharge end thereof to bring about reseparation of said deposited material.

2,135,100
FILTER
Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application October 13, 1937, Serial No. 168,825
Renewed September 29, 1938
3 Claims. (Cl. 183—44)



1. The combination of an enclosing member having a breather port, and an annular seat surrounding said port; a drip ring for resisting the entrance of water through said port; a retaining pin substantially concentric with and normal to the plane of said seat; a filter unit encircling said pin and engaging said seat, said unit comprising a disc of fabric filtering material and a resilient plate-like foraminous backing; and retaining means reacting between said pin and plate and deflecting the plate to develop elastic sealing stress between the unit and the seat.

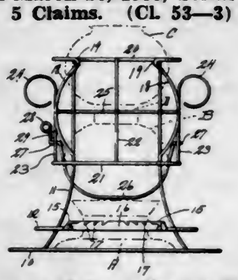
2,135,101
AIR CONDITIONING SYSTEM
Ralph R. Chappell, Richmond, Va., and Denis McCormack and Rutger B. Colt, Baltimore, Md., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 9, 1935, Serial No. 39,858
4 Claims. (Cl. 236—44)



2. In an air conditioning system, a humidifier, a humidity actuated regulator connected to said humidifier and set to control the latter to maintain the relative humidity at a desired average, and a second humidity actuated regulator connected in series relation with said humidifier and

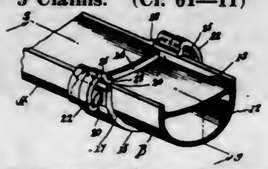
first regulator and set to respond to a higher relative humidity than the first regulator to render the latter inoperative.

2,135,102
SAFETY GUARD FOR GLASS COFFEE MAKERS
Gustave A. Charlston, Portland, Oreg.
Application March 26, 1938, Serial No. 198,305
5 Claims. (Cl. 53—3)



1. A safety guard for coffee machines, including an annular base adapted to surround the heating element of the coffee machine, an open-work cage-like frame supported on the base within which the coffee machine may be disposed, the frame being formed and constructed to extend partly around the coffee machine, and means carried on the frame constructed and arranged to support the coffee machine in spaced relation to the heating element, said means being shiftable out of the way to permit the coffee machine to be lowered onto the heating element.

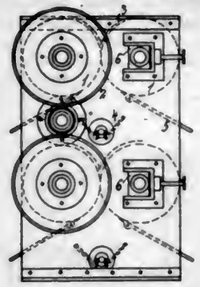
2,135,103
LOCK-JOINT SUBDRAINAGE PIPE
Daniel B. Dimick, Newton, Mass.
Application January 4, 1938, Serial No. 183,353
5 Claims. (Cl. 61—11)



1. A subdrainage half-round pipe comprising adjoining pipe sections with interfitting half bell and spigot, said pipe sections having substantially semi-circular bottom walls and flat top cradles, interfitting parts on the overlapping half bell and spigot, ears on the outside of the half bell, ribs upstanding from said half bell, and malleable clips slidably engaged upon said ears and over said ribs and having claws, one claw engaging beneath the ear, the other claw engaging upon the upper side of the semi-circular wall and within said rib; said clip and ear having wedge surfaces therebetween.

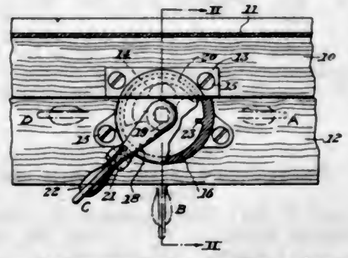
2,135,104
METHOD FOR THE TREATMENT OF DRIED CASSAVA ROOTS TO OBTAIN STARCH
Laurits Pedersen Heltne, Volda, Romsdal, Norway
Application December 28, 1936, Serial No. 117,956
In the Netherlands December 30, 1935
1 Claim. (Cl. 127—66)

Process for the manufacture of starch from dried cassava roots, which comprises the steps of converting the dried roots into a comparatively long-fibrous dry mass without substantial proportions of finely ground cell tissue, by subjecting the roots in a coarsely subdivided and dry condition to repeated pressure treatment



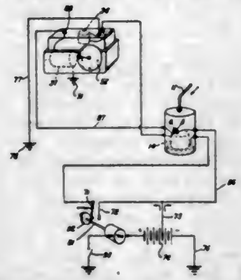
while avoiding prominent grinding effects, soaking the resulting dry fibrous mass in water and treating the soaked mass to separate starch therefrom.

2,135,105
LATCH
Harry A. Knauff, Pittsburgh, Pa.
Application May 12, 1937, Serial No. 142,145
8 Claims. (Cl. 292—206)



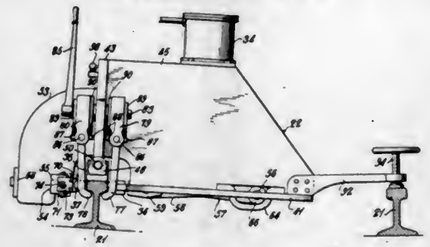
1. In a fastening device having a keeper element, a latch housing element, a latch turnably mounted in said latch housing element and arranged to cooperatively engage said keeper element, and an auxiliary latching device on said latch housing element having means arranged to automatically tighten when said latch is moved toward an unlatching position.

2,135,106
INDICATING MECHANISM
Charles I. McNeil, Bloomfield, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application September 28, 1933, Serial No. 691,409
5 Claims. (Cl. 177—351)



1. The combination of a transmitting means having a solenoid mounted at one end thereof, an armature extending from said solenoid, a movable element at the opposite end of said casing for limiting the movement of said armature, said element movable in response to some external condition to be measured, resilient means for constantly urging said armature toward said movable element, a pair of electrical contacts, means associated with the armature for opening and closing said contacts a number of times proportional to the extent of movement of said armature, whereby an index element of an electrically controlled receiving means is moved proportionally to the movement of said armature, said index element having an initial position, means constantly tending to return said index element to its initial position, electromagnetically controlled ratchet and pawl means for moving said index element step by step from said initial position to spaced apart new positions in response to the opening and closing of an electrical circuit including said electromagnet by said contacts, pawl means for holding said element against return movement as it proceeds step by step from one position to another, a second electromagnetic means for rendering said holding means ineffective, contact means operable at intervals for simultaneously energizing a circuit including said solenoid and a circuit including said second electromagnetic means whereby said holding means is rendered ineffective to allow an uninterrupted, single step return movement of said index element to said initial position.

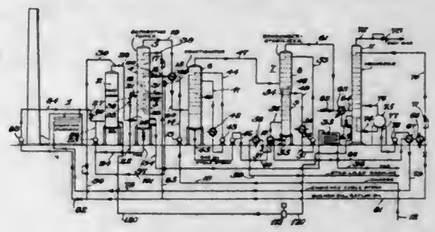
2,135,107
APPARATUS FOR REFORMING RAIL ENDS
Charles A. Miller, Weatherly, Pa.
Application December 23, 1935, Serial No. 55,909
10 Claims. (Cl. 78—76)



1. Apparatus of the character described comprising, in combination: rectilinear means to engage the tread and one lateral surface of rail ends at a joint of a track to limit and control flow of metal as said rail ends are reformed; means to be pressed against the remaining lateral surface to cause flow of metal into contact with the first named means; and means to exert pressure upon said last named means.

2,135,108
MANUFACTURE OF GASOLINE AND COKE
Povl Ostergaard, Mount Lebanon, Pa., assignor to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 4, 1936, Serial No. 109,189
2 Claims. (Cl. 196—9)

1. The process of cracking heavy hydrocarbon oil containing residual constituents in such amount as to develop high carbon-forming tendencies when subjected to cracking temperatures, for the recovery of a high yield of cracked gasoline of high anti-knock value, and coke, which comprises: introducing said oil into a distilling zone and there contacting it with highly heated vapors and gases, thereby vaporizing non-residual constituents of said oil, and collecting residual constituents of said vapors in the distillation residue; fractionating the resultant mixed vapors and gases in successive steps to recover a clean gas-oil condensate substantially free from gasoline constituents and a cracked gasoline distillate; scrubbing uncondensed gasoline-free vapors and gases with at least a portion of said gas-oil condensate to recover normally gaseous hydrocarbons having 3 to 4 carbon atoms per molecule by absorption in said oil, discharging the unabsorbed gases from the system; subjecting the enriched gas-oil condensate from the scrubbing zone to substantial conversion in an externally fired elon-

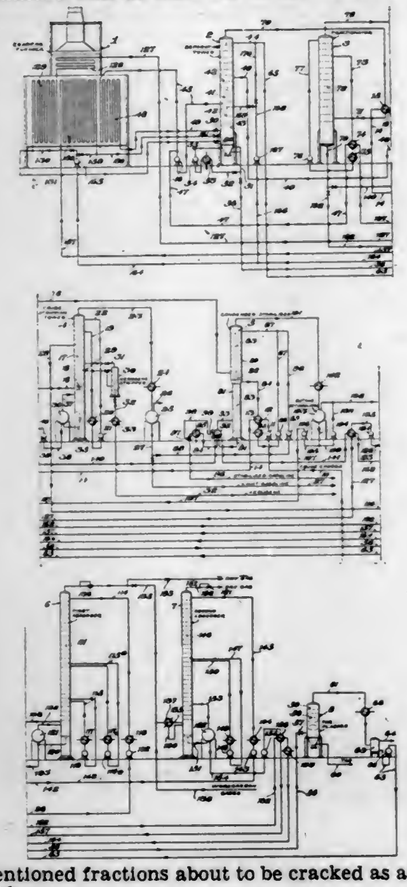


gated cracking zone of restricted cross-sectional area at a high cracking temperature substantially in excess of the maximum temperature to which the oil alone and without admixture of said normally gaseous hydrocarbons could be subjected in identical apparatus and under otherwise identical conditions of conversion without such excessive deposition of carbon as to prevent continuous operation of the unit for extended periods of time; passing the resultant hot cracked vapors together with distillation residue oil from said distilling zone into an enlarged coking chamber, and there reducing said residue oil to coke; withdrawing hot gases and vapors from said coking chamber, and introducing them into said distilling zone as aforesaid.

2,135,109
ART OF CRACKING PETROLEUM OILS
Povl Ostergaard, Mount Lebanon, Pa., assignor to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 2, 1936, Serial No. 113,906
8 Claims. (Cl. 196—9)

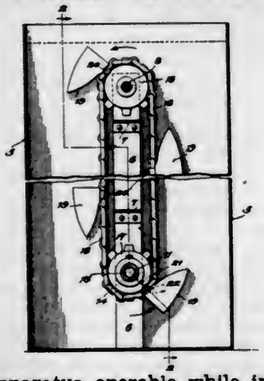
1. In a process of making low-boiling cracked distillate of high antiknock value when used as a motor fuel, from a crude petroleum, in apparatus of the combination-unit type wherein a crude petroleum is distilled to recover a naphtha fraction and at least one heavier fraction, said naphtha and said heavier fraction are separately cracked, the cracked products are combined for the recovery of tar, cracked gasoline and an intermediate fraction heavier than gasoline, said intermediate fraction is cracked and the thereby cracked products are combined with the abovementioned cracked products for recovery as aforesaid, the improvement which comprises condensing the combined cracked vapors remaining after condensation of cracked gasoline, under pressure, to recover a liquid butane fraction consisting predominantly of hydrocarbons having 3 to 4 carbon atoms per molecule, thereafter scrubbing the gases remaining uncondensed with the aforesaid naphtha fraction, prior to cracking the same, to remove normally gaseous hydrocarbons having 3 to 4 carbon atoms per molecule by absorption in said naphtha, cracking the thereby enriched naphtha as aforesaid, and delivering

butane condensate, condensed as aforesaid, for admixture with at least one of the other above-



mentioned fractions about to be cracked as aforesaid.

2,135,110
POWER APPARATUS
Arthur G. Platt, Edgewood, Iowa
Application May 19, 1937, Serial No. 143,609
2 Claims. (Cl. 60—22)

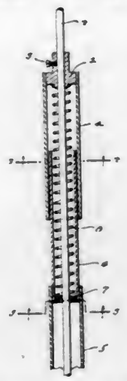


1. An apparatus operable while immersed in liquid comprising an upper rotatable shaft, a toothed wheel fast thereon, therebelow a shaft having a longitudinal passage therein and a port extending radially therefrom to the shaft periphery, a toothed wheel journalled on said lower shaft over said port and having a radial passage positioned to register at its inner end with said port during a period of its rotation and extending to the end of a tooth of the wheel, a chain on said wheels, buckets attached to said chain having lateral openings positioned to receive air from said wheel passage, and means whereby air is supplied under pressure to said longitudinal passage, said shaft-port being positioned for registry with said wheel passage in the period a bucket is assuming inverted position during movement of the chain.

2,135,111
VANADYL LACTATE AND PROCESS OF MAKING IT
Harry J. Prebluda, Baltimore, Md.
No Drawing. Application April 27, 1936, Serial No. 76,695
5 Claims. (Cl. 260—429)

1. A vanadium salt of lactic acid.

2,135,112
WINDMILL PUMP ATTACHMENT
Rufus Hamond Price, Carrizo Springs, Tex.
Application March 24, 1938, Serial No. 197,921
1 Claim. (Cl. 267—70)

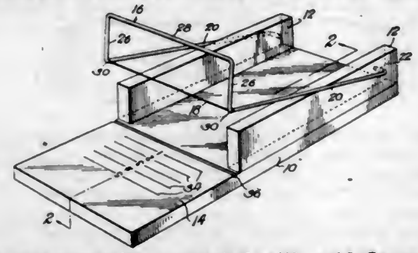


In a windmill pump comprising a casing and a sucker rod operable in said casing, a collar adjustably mounted on the sucker rod above the casing, a set screw in said collar engageable with the sucker rod for securing the collar in adjusted position thereon, a tubular housing fixed on the collar and depending therefrom in spaced concentric relation to the sucker rod, a tubular housing threadedly mounted in the casing and extending slidably into the first named housing, a disc fixed in the lower portion of the second named housing, said disc having an opening therein accommodating the sucker rod, and a coil spring mounted in the housings and encircling the sucker rod and having its lower end engaged with said disc and its upper end engaged beneath the collar for yieldingly urging the sucker rod upwardly.

2,135,113
MEASURING AND SEVERING DEVICE
Elmer C. Rehbein, Appleton, Wis.
Application July 6, 1937, Serial No. 152,281
1 Claim. (Cl. 107—20)

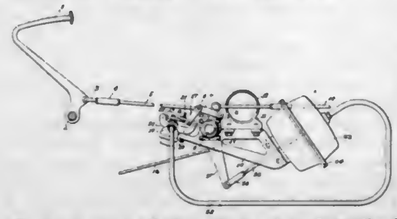
A severing device of the type described com-

prising a base, guide flanges carried by the base, said base being provided with an extension having gauge means for locating the material to be severed, a U-shaped frame having the ends of



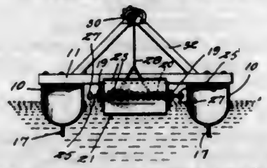
its legs pivotally connected with said flanges, a severing wire carried by said legs, the bight of said U-shaped frame together with a portion of its legs being bent out of the plane of the remaining portion of the legs, to constitute a grip.

2,135,114
VACUUM BRAKE BOOSTER
Edward A. Rockwell, Chicago, Ill., assignor, by mesne assignments, to General Auto Parts Corporation, a corporation of Delaware
Application July 3, 1934, Serial No. 733,599
35 Claims. (Cl. 188—152)



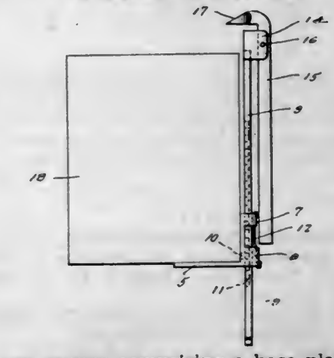
1. In a device of the character described, the combination of a source of pressure differing from the atmosphere, an automotive vehicle accessory means adapted to be operated thereby, an inlet valve for communicating said pressure to said means, a relief valve for relieving said pressure, means for operating said valves comprising a manually operable device, and leverage leading therefrom to the valve operating means adapted to provide an increasing degree of movement of the valve mechanism for a given movement of the manual means with an increasing force of reaction on the latter in any given position reached in the advance of the latter.

2,135,115
CURRENT MOTOR
Nicholas J. Schlachter, Gettysburg, S. Dak.
Application September 29, 1936, Serial No. 103,187
1 Claim. (Cl. 170—107)



A current motor comprising a pair of laterally spaced pontoons, front and rear transversely extending bars connecting said pontoons in spaced relation to each other, upwardly converging supporting members mounted upon said transverse bars, a single longitudinally extending shaft journaled in said supporting members at the upper ends of the latter, cables adapted to be wound upon said shaft at the front and rear ends of the latter and adapted to extend downwardly therefrom to and below the horizontal plane of said transverse bars and provided at their lower ends with branches, a framework connected to the branched lower ends of said cables and freely suspended thereby between the pontoons and in operative position below the transverse bars, and power transmitting paddle-wheels journaled in said framework.

2,135,116
CAN OPENER
Leroy Oscar Shaffer, Cincinnati, Ohio
Application December 1, 1937, Serial No. 177,624
1 Claim. (Cl. 30—10)



A can opener comprising a base plate, an upstanding guide at one end of the base plate, an elongated member provided with perforations extending longitudinally thereon, perforating means mounted at the upper end of the elongated member, said guide having a downwardly enlarging passageway therein for the elongated member, and a stud in the guide at the lower portion thereof for engagement into any one of the perforations of the elongated member, and spring means in the guide for urging the elongated member toward the stud side of the guide.

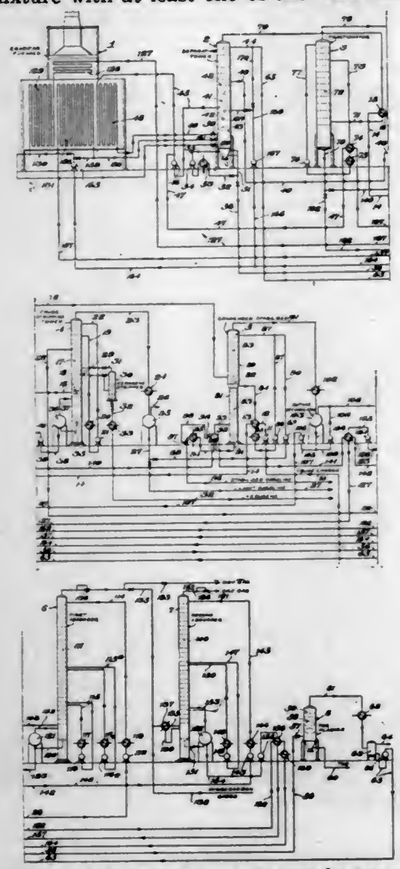
2,135,117
POLYMERIZATION OF OLEFINES
Donald R. Stevens, Swissvale, and William A. Gruse, Wilkinsburg, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application November 17, 1936, Serial No. 111,334
4 Claims. (Cl. 260—683)

1. The process of polymerizing iso-butylene which comprises passing a stream of gases comprising iso-butylene over a catalyst comprising sulfuric acid of from about 50 to about 65 per cent strength at a temperature above the dew point of the composite polymer in the resultant vapors and gas, removing the resultant vapors and gas and recovering normally liquid polymers therefrom.

2,135,118
TILE-MOUNTING STRUCTURE
Andrew H. Stewart, Shields, Pa.
Application April 18, 1936, Serial No. 75,154
18 Claims. (Cl. 72—19)

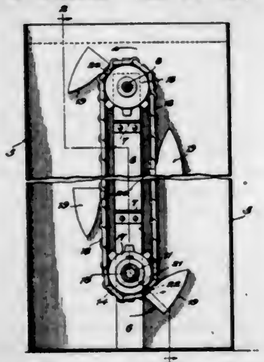
1. In an article of manufacture, a ceramic or

butane condensate, condensed as aforesaid, for admixture with at least one of the other above-



mentioned fractions about to be cracked as aforesaid.

2,135,110
POWER APPARATUS
Arthur G. Platt, Edgewood, Iowa
Application May 19, 1937, Serial No. 143,609
2 Claims. (Cl. 60—22)

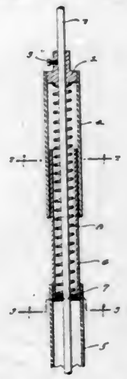


1. An apparatus operable while immersed in liquid comprising an upper rotatable shaft, a toothed wheel fast thereon, therebelow a shaft having a longitudinal passage therein and a port extending radially therefrom to the shaft periphery, a toothed wheel journalled on said lower shaft over said port and having a radial passage positioned to register at its inner end with said port during a period of its rotation and extending to the end of a tooth of the wheel, a chain on said wheels, buckets attached to said chain having lateral openings positioned to receive air from said wheel passage, and means whereby air is supplied under pressure to said longitudinal passage, said shaft-port being positioned for registry with said wheel passage in the period a bucket is assuming inverted position during movement of the chain.

2,135,111
VANADYL LACTATE AND PROCESS OF MAKING IT
Harry J. Prebluda, Baltimore, Md.
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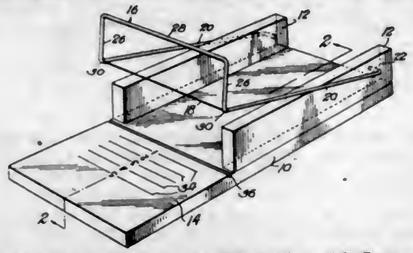
2,135,112
WINDMILL PUMP ATTACHMENT
Rufus Hamond Price, Carrizo Springs, Tex.
Application March 24, 1938, Serial No. 197,921
1 Claim. (Cl. 267—70)



In a windmill pump comprising a casing and a sucker rod operable in said casing, a collar adjustably mounted on the sucker rod above the casing, a set screw in said collar engageable with the sucker rod for securing the collar in adjusted position thereon, a tubular housing fixed on the collar and depending therefrom in spaced concentric relation to the sucker rod, a tubular housing threadedly mounted in the casing and extending slidably into the first named housing, a disc fixed in the lower portion of the second named housing, said disc having an opening therein accommodating the sucker rod, and a coil spring mounted in the housings and encircling the sucker rod and having its lower end engaged with said disc and its upper end engaged beneath the collar for yieldingly urging the sucker rod upwardly.

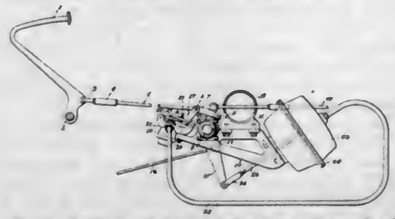
2,135,113
MEASURING AND SEVERING DEVICE
Elmer C. Rehbein, Appleton, Wis.
Application July 6, 1937, Serial No. 152,281
1 Claim. (Cl. 107—20)

A severing device of the type described comprising a base, guide flanges carried by the base, said base being provided with an extension having gauge means for locating the material to be severed, a U-shaped frame having the ends of



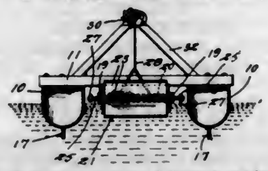
its legs pivotally connected with said flanges, a severing wire carried by said legs, the bight of said U-shaped frame together with a portion of its legs being bent out of the plane of the remaining portion of the legs, to constitute a grip.

2,135,114
VACUUM BRAKE BOOSTER
Edward A. Rockwell, Chicago, Ill., assignor, by mesne assignments, to General Auto Parts Corporation, a corporation of Delaware
Application July 3, 1934, Serial No. 733,599
35 Claims. (Cl. 188—152)



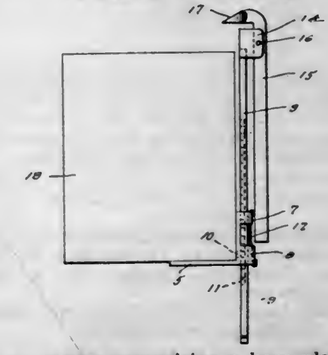
1. In a device of the character described, the combination of a source of pressure differing from the atmosphere, an automotive vehicle accessory means adapted to be operated thereby, an inlet valve for communicating said pressure to said means, a relief valve for relieving said pressure, means for operating said valves comprising a manually operable device, and leverage leading therefrom to the valve operating means adapted to provide an increasing degree of movement of the valve mechanism for a given movement of the manual means with an increasing force of reaction on the latter in any given position reached in the advance of the latter.

2,135,115
CURRENT MOTOR
Nicholas J. Schlachter, Gettysburg, S. Dak.
Application September 29, 1936, Serial No. 103,187
1 Claim. (Cl. 170—107)



A current motor comprising a pair of laterally spaced pontoons, front and rear transversely extending bars connecting said pontoons in spaced relation to each other, upwardly converging supporting members mounted upon said transverse bars, a single longitudinally extending shaft journaled in said supporting members at the upper ends of the latter, cables adapted to be wound upon said shaft at the front and rear ends of the latter and adapted to extend downwardly therefrom to and below the horizontal plane of said transverse bars and provided at their lower ends with branches, a framework connected to the branched lower ends of said cables and freely suspended thereby between the pontoons and in operative position below the transverse bars, and power transmitting paddle-wheels journaled in said framework.

2,135,116
CAN OPENER
Leroy Oscar Shaffer, Cincinnati, Ohio
Application December 1, 1937, Serial No. 177,624
1 Claim. (Cl. 30—10)



A can opener comprising a base plate, an upstanding guide at one end of the base plate, an elongated member provided with perforations extending longitudinally thereon, perforating means mounted at the upper end of the elongated member, said guide having a downwardly enlarging passageway therein for the elongated member, and a stud in the guide at the lower portion thereof for engagement into any one of the perforations of the elongated member, and spring means in the guide for urging the elongated member toward the stud side of the guide.

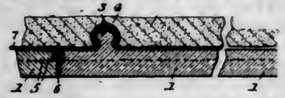
2,135,117
POLYMERIZATION OF OLEFINES
Donald R. Stevens, Swissvale, and William A. Gruse, Wilkinsburg, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application November 17, 1936, Serial No. 111,334
4 Claims. (Cl. 260—683)

1. The process of polymerizing iso-butylene which comprises passing a stream of gases comprising iso-butylene over a catalyst comprising sulfuric acid of from about 50 to about 65 per cent strength at a temperature above the dew point of the composite polymer in the resultant vapors and gas, removing the resultant vapors and gas and recovering normally liquid polymers therefrom.

2,135,118
TILE-MOUNTING STRUCTURE
Andrew H. Stewart, Shields, Pa.
Application April 18, 1936, Serial No. 75,154
18 Claims. (Cl. 72—19)

1. In an article of manufacture, a ceramic or

vitreous tile, a flexible wire mesh secured by physical adherence to a face of said tile, a mount element secured to said wire mesh and adapted



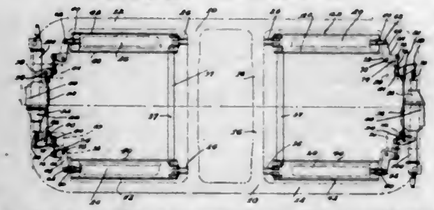
to be attached to a portion of a building by a thickness of cementitious material or a suitable support structure.

2,135,119
AIRPLANE DEVICE
Peirce M. Wood, Mamaroneck, N. Y.
Application May 11, 1935, Serial No. 21,002
4 Claims. (Cl. 244—134)



2. In a device of the character indicated, an airplane wing, and means within the wing section for mechanically striking the inner surface of the wing at the leading edge to cause the latter to vibrate, for the purpose described.

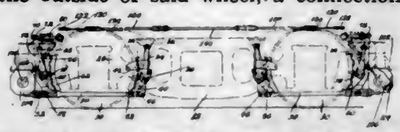
2,135,120
BRAKE ARRANGEMENT
Walter H. Baselt, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application June 17, 1935, Serial No. 27,066
39 Claims. (Cl. 188—56)



1. In a brake arrangement, the combination of a truck frame including a side frame, end rail members and spaced transom members, wheels supporting said truck frame, brake rigging having cooperative relation to one of said wheels, said rigging including brake levers disposed on opposite sides of said wheel, a connection between said levers disposed above the wheel center, a bell crank pivoted to said truck frame and connected to one of said brake levers, and a transversely disposed brake cylinder supported on said truck frame and operatively connected to said bell crank.

2,135,121
BRAKE ARRANGEMENT
Walter H. Baselt, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application June 17, 1935, Serial No. 27,067
25 Claims. (Cl. 188—56)

1. In a brake arrangement, the combination of a truck frame including spaced side frames connected adjacent the ends thereof by end rail members, and connected intermediate said end rail members by spaced transom members, wheel and axle assemblies disposed in supporting relation to said truck frame and between an end rail member and the adjacent transom member, a dead truck lever pivoted to said truck frame on the inside of a wheel, a live truck lever supported on the outside of said wheel, a connection be-



tween said truck levers extending below the axle, and operating means for said levers extending transversely of said truck and operating in a transverse direction to control said brakes.

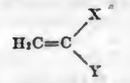
2,135,122
VINYLIDENE CHLORIDE REACTION PRODUCT
Gerald H. Coleman, Garnett V. Moore, and George B. Stratton, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application May 19, 1937, Serial No. 143,530
4 Claims. (Cl. 260—2)

1. The process which comprises reacting vinylidene chloride with between about 4 and about 8 molecular proportions of a compound selected from the group consisting of aromatic hydrocarbons and their chloro-derivatives containing at least one replaceable hydrogen atom, in the presence of between about 0.05 and about 0.40 mole of aluminum chloride per mole of vinylidene chloride, at a temperature between about 20° and 120° C., until the evolution of hydrogen chloride is substantially complete.

2. The process which comprises reacting vinylidene chloride with a chlorinated aromatic hydrocarbon containing at least one replaceable hydrogen atom, in the presence of a Friedel-Crafts catalyst.

2,135,123
1,1-ARYLOXY HALO ETHYLENES
Gerald H. Coleman and Bartholdt C. Hadler, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application March 20, 1937, Serial No. 132,176
4 Claims. (Cl. 260—611)

1. A compound having the formula:

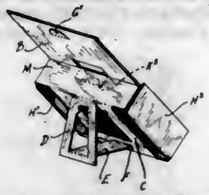


wherein X represents an aryloxy group and Y represents halogen.

2,135,124
DISPLAY DEVICE
Lillian G. Englar, Crestwood, Yonkers, N. Y., assignor, by mesne assignments, to Double E. Patents, Inc., New York, N. Y.
Application October 29, 1935, Serial No. 47,268
3 Claims. (Cl. 40—126)

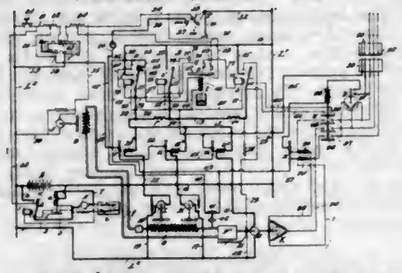
1. A blank sheet for dummy displays of the character described scored to bound a face area portion shaped and adapted to form a top member of a simulated package, side-forming areas integral with the face portion at three respective sides thereof, the said side-forming areas at opposite edges of the face area having integral end

representing extensions projected oppositely from the face area a distance greater than the corresponding dimensions of the respective side-forming areas whereby when the said respective side-forming areas are folded downwardly at right



angles to the face area and said end representing extensions are bent upwardly close against the respective joined side-forming areas the outer edges of the upbent parts project above and beside the face area for the purposes described.

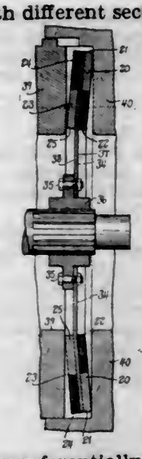
2,135,125
AIR COOLING SYSTEM FOR RAILWAY CARS
Joseph F. Frese, Baltimore, Md., assignor to Monitor Controller Company, Baltimore, Md., a corporation of Maryland
Application February 5, 1936, Serial No. 62,511
8 Claims. (Cl. 172—291)



8. In a refrigerator system, a storage battery, a variable speed generator for charging the battery, a driven member, a first direct current motor for operating the driven member, a second direct current motor, a starter common to both of said motors, said starter comprising a resistance in series with the armature of each of said motors, a contactor for closing the armature circuits and contactors for cutting out said resistance, a retarded relay controlling said contactors for operation in sequence, a control circuit including the coil of said relay, one of said contactors adapted, in closing, to open the circuit to said coil and connect a holding circuit for its own coil to said control circuit, overload switches connected in series in said control circuit, one switch for each motor, and a thermostat switch, a high pressure switch and a low voltage relay switch in series in said circuit, an alternating current motor adapted for operating said driven member and for operating said first motor as a generator, a manually operable switch for connecting the circuits of said alternating current motor to a supply circuit, and a normally open relay for closing the circuits of the alternating current motor, said relay having an operating coil included in the aforesaid control circuit.

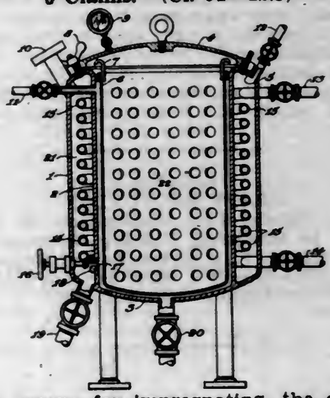
2,135,126
FRICTION CLUTCH
Channing E. Harwood, Middletown, Conn., assignor to The Russell Manufacturing Company, Middletown, Conn., a corporation
Application October 24, 1934, Serial No. 749,740
18 Claims. (Cl. 192—107)

1. A clutch-friction disk distortable in direction transverse of its general plane and having a friction-face with different sectoral friction areas



side by side circumferentially of the disk and of substantially-different friction-coefficients.

2,135,127
MEANS FOR IMPREGNATING
John E. Hoy and Claire S. Harris, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application April 22, 1937, Serial No. 138,340
6 Claims. (Cl. 91—12.5)



1. In means for impregnating, the combination of a kettle adapted to hold the impregnating agent, a sealable cover therefor, a closed annular compartment about the kettle, a heating element therein, a valved flow connection between the kettle and said compartment and separate flow connections to the annular compartment and the kettle adapted to connect with a source of vacuum or gas pressure.

2,135,128
MANUFACTURE OF DERIVATIVES OF CELLULOSE AND OTHER POLYMERIC HYDROXY COMPOUNDS
Edward Boaden Thomas and Horace Finningley Oxley, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application August 12, 1936, Serial No. 95,624. In Great Britain September 23, 1935
5 Claims. (Cl. 260—152)

1. Process for the manufacture of oxyalkyl ethers and carboxy-alkyl ethers of cellulose,

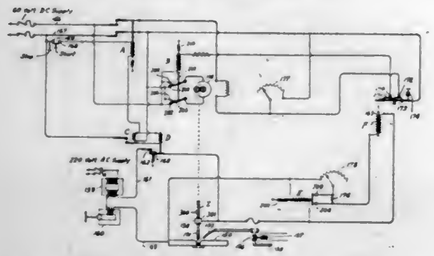
which comprises reacting cellulosic material with an etherifying agent selected from the group consisting of oxyalkyl and carboxyl-alkyl etherifying agents in the presence of acetone as diluent.

2,135,129

APPARATUS FOR ARC WELDING

James E. Trainer, Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey

Application June 16, 1934, Serial No. 730,852
2 Claims. (Cl. 219—8)



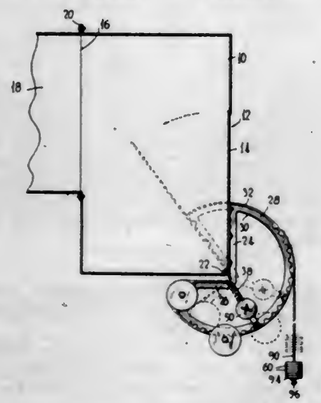
1. In an arc welding system, a movable work piece and a consumable weldrod included in an arc circuit, electrically energized means for normally imparting continuously uni-directional feeding movement to the weldrod forwardly toward the work, independently of the movement of the work, either at a rate faster or slower than a predetermined rate of weldrod consumption, and means responsive to arc voltage for normally continuously energizing the weldrod moving means selectively for faster or slower feeding accordingly as the arc length increases and decreases.

2,135,130

DRAFT REGULATOR

Rene M. Vidalie, Port Washington, N. Y., assignor to Preferred Utilities Company, Inc., New York, N. Y., a corporation of Delaware

Application March 3, 1936, Serial No. 66,918
17 Claims. (Cl. 236—45)



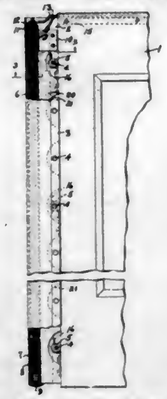
15. Counterbalancing mechanism for a pivoted draft-regulating door including a sector-like element, an arm pivoted adjacent the juncture of the radial arms of said element and slidably engaged with the periphery thereof, and a weight slidably mounted on said arm.

2,135,131

SENSITIVE DOOR EDGE STRUCTURE

Cyrus W. Bassett, Montclair, N. J., assignor to Elevator Supplies Co., Inc., Hoboken, N. J., a corporation of New Jersey

Application February 15, 1937, Serial No. 125,780
9 Claims. (Cl. 200—54)



3. The combination with a door, of a sensitive edge structure comprising a pair of spaced parallel strips, means for securing the strips together in spaced relation, a flexible housing projecting from the strips and secured thereto, a pair of electrodes mounted in the housing, and a plurality of clips mounted on the edge of the door and positioned to receive adjacent spacing members therein to hold the unit on the door, the width of said clips being substantially equal to the spacing between said strips whereby the unit is positioned flush with the sides of the door.

2,135,132

BAG FORMING PROCESS

Spencer U. Boehmer, Glen Ellyn, Ill.

Application June 30, 1937, Serial No. 151,076
2 Claims. (Cl. 93—35)



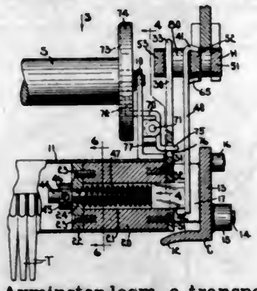
1. A process for forming a bag consisting in mounting a bag collar removably on one end of an elongated tubular member, in then wrapping a sheet of bag material around the tubular member and the collar so that one edge of the sheet projects a material distance beyond the tubular member and the collar, and so that the other end of the tubular member projects a material distance beyond the sheet edge adjacent that end, and in then twisting and forcing the projecting edge of the sheet into the collar, and in then removing the tubular member from the sheet and the collar, leaving the collar in the bag thus formed as a part thereof.

2,135,133

AXMINSTER LOOM

Edward J. Dacey, Philadelphia, Pa., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application December 20, 1937, Serial No. 180,814
9 Claims. (Cl. 139—10)



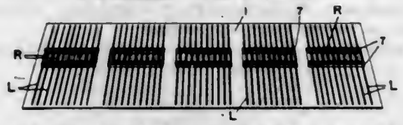
1. In an Axminster loom, a transporting chain having three transversely spaced links, a tube frame, an ear secured to the tube frame and extending into a space between an outer link and the center link, a supporting hook mounted on and movable relatively to the ear and extending into said space, and an engaging sprocket for the center link and the other outside link.

2,135,134

PACKAGING DEVICE

George M. Ehlers, Milwaukee, Wis., assignor to Globe-Union Inc., Milwaukee, Wis., a corporation of Delaware

Application March 19, 1937, Serial No. 131,842
2 Claims. (Cl. 206—79)



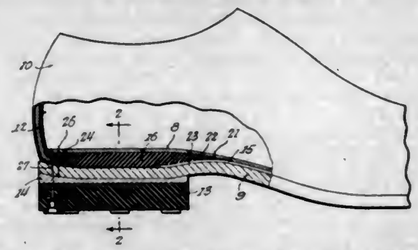
1. A holder for fixed resistors having end leads and comprising a flat sheet of material provided with longitudinally spaced slots and having vertical flanges along each longitudinal side edge of each slot, said flanges having transversely alined slits adapted to receive and frictionally grip portions of the end leads and retain the end leads in straight extended position closely adjacent a surface of the sheet to be protected thereby.

2,135,135

HEEL CONSTRUCTION FOR SHOES

Francis M. Gilkerson and Paul H. Gilkerson, St. Louis, Mo.

Application June 5, 1936, Serial No. 83,628
1 Claim. (Cl. 36—37)



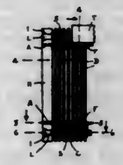
In a shoe, the combination of a channelled insole, a heel cushioning member secured to the underside of said insole at the heel seat and covering said heel seat area and having a beveled outer edge and recessed portions at the breast of the heel seat and a shank positioning recess, an upper and its lining and a counter having their inturned edges at the heel seat lasted over and against said beveled edge, fastening means securing said lasted over parts to said cushion and to said insole, and an outsole connected to said lasted over parts, the cushion member, and said insole.

2,135,136

REED WITH DETACHABLE DENTS

James S. Hall, Methuen, Mass., assignor to Emmons Loom Harness Company, Lawrence, Mass., a corporation of Massachusetts

Application February 18, 1938, Serial No. 191,223
2 Claims. (Cl. 139—192)



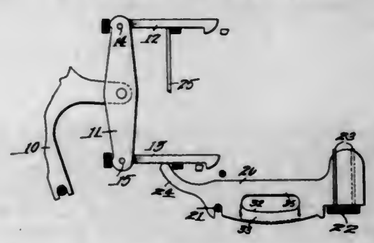
2. In a reed for looms, two outside parallel sets of large segmental metal ribs; a large coil of wire enclosing each set of large ribs and soldered to the cylindrical surface of one member; two inside parallel sets of small segmental metal ribs positioned inside the large ribs; a small coil of wire enclosing each set of small ribs and soldered to the cylindrical surface of one member thereof, the solder extending between the large and small ribs and coils and outside the dents; headers connecting and holding together all of said parallel segmental ribs; and dents passed between the turns of all four of the coils and between the soldered and the unsoldered segmental ribs of each set.

2,135,137

DOBBY FINGER FOR LOOMS

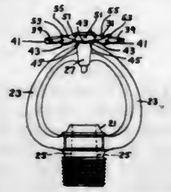
Elbridge R. Holmes, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application December 21, 1936, Serial No. 116,974
1 Claim. (Cl. 139—66)



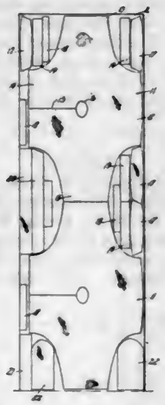
In a loom, a dobby finger having a thickened lower edge portion and a relatively thinner and wider upper edge portion and having a relatively large central opening through said finger in said thinner upper edge portion, said central opening being substantially equal in length to said thickened lower edge portion and bounded on one side thereby and being substantially equal in height to one-half of said thinner upper edge portion, and said opening substantially reducing friction between adjacent dobby fingers.

2,135,138
AUTOMATIC SPRINKLER AND DEFLECTOR THEREFOR
Horace Clayton Kendall, Worcester, Mass., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass., a corporation of Massachusetts
Application May 28, 1937, Serial No. 145,268
4 Claims. (Cl. 299—18)



1. A sprinkler, comprising a discharge nozzle, a deflector positioned to intercept and divert liquid discharged from the nozzle presenting a generally concave diversion surface bounded on four sides in the form of a generally rectangular outline and having openings therethrough to deliver diverging streams at the opposite side of the deflector, and guiding ribs radiating generally from a central point upon the diversion surface to assist in the distribution of fluid thereover.

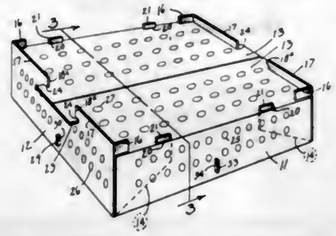
2,135,139
GARMENT
Mollie S. Levinson, Chicago, Ill.
Application June 17, 1937, Serial No. 148,741
3 Claims. (Cl. 2—93)



1. The method of forming blanks for coat manufacture, including the steps of laying out the blouse portion on the bolt cloth with the body portion arranged transversely and the sleeve portions longitudinally in the direction of the warp, and cutting the blanks from the material.

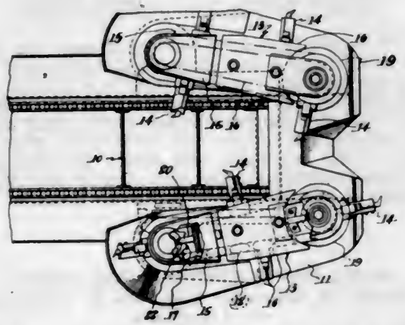
2,135,140
CHICK BOX CONSTRUCTION
Luther Magers, Marion, Ind., assignor to Indiana Fibre Products Corporation, Marion, Ind., a corporation
Application October 14, 1936, Serial No. 105,482
16 Claims. (Cl. 229—6)

1. A container suitable for chick box purposes including a bottom, opposite side walls, opposite end walls, one pair of opposite walls having angular extensions parallel to the other pair of walls and between the same and contiguous thereto, a pair of cover portions integral with the contiguous walls and notched at each connecting corner and intermediate the same, the opposite walls having the extensions being of a height greater than the other pair of walls, each extension having a portion immediately adjacent its connection with its supporting wall and a portion spaced from the last-mentioned portion, said extension portions



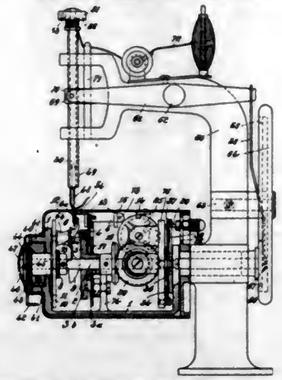
projecting upwardly through the registering notches, the last-mentioned portion constituting an extension lock and the first-mentioned portion with its supporting wall constituting a spacing support for a superposed container, the extension supporting wall being notched in its upper edge intermediate the ends, and laterally projecting extensions on the cover portions for wall engagement, said cover projections being notched for interlocking connection with the adjacent wall.

2,135,141
LOADING MACHINE
Frederick B. Miller, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application May 14, 1937, Serial No. 142,533
6 Claims. (Cl. 198—8)



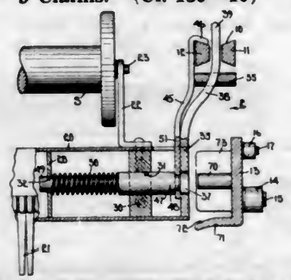
1. In a loading machine, a gathering element including a chain guide, an endless chain guided for orbital movement thereabout, gathering arms projecting laterally from said chain, a drive sprocket meshing with said chain and disposed at one end of said chain guide, and a rotatable direction changing device at the other end of said chain guide and forming a means about which said chain turns, and means to prevent material from packing between said chain and sprocket comprising a raking member secured to said chain guide adjacent the inner side thereof and extending towards and over the teeth of said sprocket in close relation with respect thereto to a position adjacent its hub, the inner edge of said raking member being at an open angle with respect to said hub to provide clearance therefor.

2,135,142
KNITTING DARNING MACHINE
Paul Obermayr, Mittweida, Germany
Application May 20, 1937, Serial No. 143,659
In Germany May 22, 1936
11 Claims. (Cl. 66—2)



1. A knitting darning machine constructed like a one-thread sewing machine, characterized by having, in addition to a knitting looper for the formation of knitting meshes, a linking looper adapted to be made operative instead of the knitting looper.

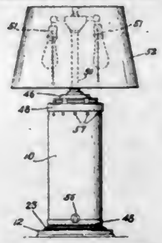
2,135,143
TUBE FRAME FOR AXMINSTER LOOMS
Oscar V. Payne, Leicester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application December 20, 1937, Serial No. 180,805
5 Claims. (Cl. 139—10)



1. In an Axminster tube frame, a hollow carrier bar, an ear member fixed thereto and extending laterally therefrom, a supporting hook member located entirely on that side of the ear which faces the longitudinal center of the tube frame, means defining a cylindrical sliding bearing connection between the hook and carrier bar, the axis of the cylindrical bearing being substantially parallel to the axis of the carrier bar, and a guide on one member passing through the other member at a point laterally spaced from the cylindrical bearing axis to prevent substantial angular motion of the hook member around the cylindrical bearing axis.

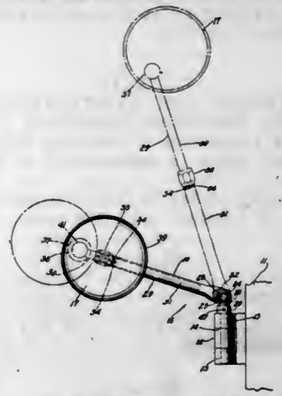
2,135,144
RADIO RECEIVING SET
John Edwin Petersen, Oak Park, Ill.
Application December 19, 1935, Serial No. 55,167
13 Claims. (Cl. 250—14)

13. A radio receiving set comprising, in combination, a base, a generally round casing supported by and above said base, radio apparatus within said casing including a rotatably adjustable element, and a rotatable control member for said element located below said casing and con-



centric therewith, said control member extending adjacent the periphery of the casing whereby it may be readily manipulated.

2,135,145
MIRROR DEVICE
Daniel E. Reed, Norwalk, Conn., assignor to Yankee Metal Products Corp., Norwalk, Conn., a corporation of New York
Application June 19, 1937, Serial No. 149,049
7 Claims. (Cl. 248—286)

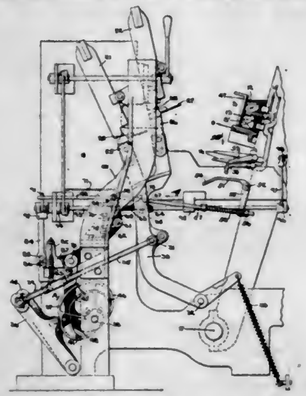


1. In a mounting for attachment to a vehicle door hinge, the combination of a supporting arm for a mirror or the like; a cap having a base with a threaded bore, adapted to interchangeably receive hinge pintles of divers sizes formed with threaded portions at the upper end thereof of uniform size; an ear on said cap, extending from said base; and pivot means for connecting said ear to said supporting arm.

2,135,146
SHUTTLE CHANGING LOOM
William W. Robertson, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application April 5, 1935, Serial No. 14,805
9 Claims. (Cl. 139—231)

1. In a shuttle changing loom which comes to rest with the lay in rear position, during the shuttle changing period, a pair of shuttle boxes stationary on the lay, a protector finger for each shuttle box, each finger movable to stopping position when the corresponding box is unoccupied by a shuttle, means to expel depleted shuttles from the shuttle boxes, two shuttle changing mechanisms each effective to convey a reserve shuttle to one of the shuttle boxes during the shuttle changing period after the depleted shuttles are expelled from the shuttle boxes, preventer

means normally placed to prevent operation of both the shuttle changing mechanisms, and control connections between the protector fingers and the preventer means to render the latter op-



erative to prevent operation of both shuttle changing mechanisms when either protector finger is in stopping position at the beginning of a shuttle changing operation.

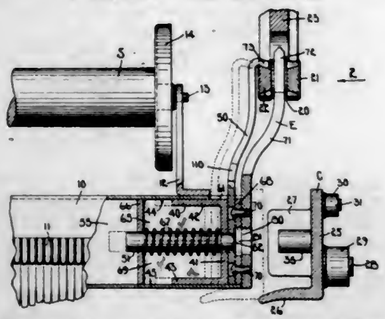
2,135,147

TUBE FRAME FOR AXMINSTER LOOMS

William W. Robertson, Northboro, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application December 20, 1937, Serial No. 180,727

6 Claims. (Cl. 139—10)



1. In an Axminster loom having a transporting chain, a tube frame, a bracket secured to the tube frame and extending into engaging relation with respect to the chain, a hook to engage the chain located wholly on that side of the bracket which faces the longitudinal center of the tube frame, means defining a sliding bearing between the hook and the tube frame, and means to move the hook away from the ear toward the center of the tube frame.

2,135,148

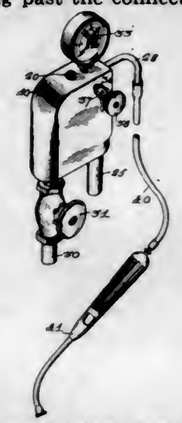
SUCTION APPARATUS

Willie Roy, Quebec, Quebec, Canada

Application May 24, 1937, Serial No. 144,333

1 Claim. (Cl. 230—92)

A suction apparatus of the character described comprising a body, said body having a passage formed therethrough, means closing said passage at one end, said body having a liquid inlet passage connected perpendicular to said first passage formed therein, said body having an exhaust passage formed therein connected perpendicular to said first passage and below said inlet passage connection, a restricted nozzle removably positioned in said first passage below the connection with said inlet passage, a narrow portion of said nozzle extending past the connection of said ex-



haust passage to said first passage, an exhaust pipe connected to said exhaust passage by a passage formed in said body, an air inlet valve connected to said exhaust passage by a passage formed in said body and a vacuum gauge connected to and closing the outer end of said exhaust passage.

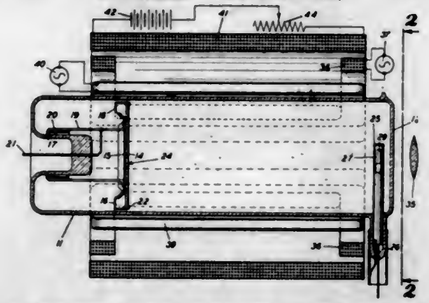
2,135,149

IMAGE DISSECTOR AND METHOD OF ELECTRON BEAM ANALYSIS

Robert E. Rutherford, Philadelphia, Pa., assignor to Farnsworth Television Incorporated, a corporation of California

Application November 7, 1933, Serial No. 696,999

8 Claims. (Cl. 178—7.2)



1. A photoelectric tube having an envelope and electrodes therein consisting solely of a photosensitive cathode and a pair of concentric anodes, one of said anodes surrounding the other, the exterior anode having an aperture therein disposed toward said cathode.

2,135,150

PRINTING PRESS CYLINDER

Harry P. Schmidt, New York, N. Y., assignor to H. H. Heinrich, Inc., New York, N. Y., a corporation of New York

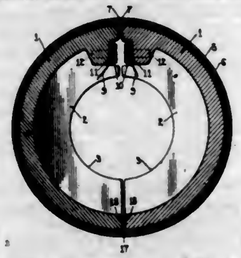
Application August 14, 1934, Serial No. 739,745

Renewed March 25, 1937

6 Claims. (Cl. 101—415.1)

1. A printing cylinder composed of two halves of a cylinder, means mounted in each of the cylinder halves for clamping an end of a printing plate, and means for forcing the cylinder halves together, said last named means consisting of collars mounted on reduced end portions of said

cylinder halves and screw means in said collars



engaging extended portions of the printing plate clamping means.

2,135,151

METHOD OF MULTIPLE-COATING OR FINISHING

Milton O. Schur, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine

No Drawing. Application May 23, 1936, Serial No. 81,486

9 Claims. (Cl. 91—68)

1. A method of smoothly coating a base which comprises applying thereto as successive smooth coats a very fluent aqueous composition containing water-dispersed rubber and sufficient water-immiscible but volatile rubber solvent to swell the dispersed rubber particles appreciably but short of inducing their coagulation; and developing a smooth multiple coating substantially devoid of streakiness and blotchiness by drying each coat before a successive coat is applied; said rubber solvent not only swelling the dispersed rubber particles and transforming them to a stickier state but softening an already applied and dried coat so as to ensure a non-peeling, autogenous weld or fusion between coats.

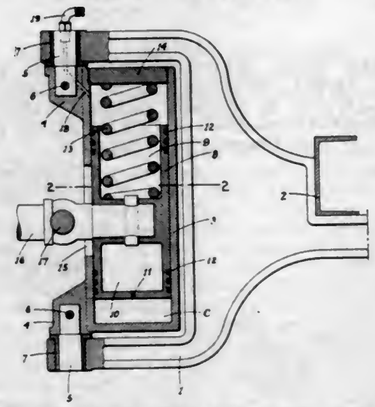
2,135,152

FRONT WHEEL SUSPENSION

Clyde S. Simmonds, Sacramento, Calif.

Application September 27, 1937, Serial No. 165,908

4 Claims. (Cl. 280—96.2)



1. An individual wheel suspension unit comprising a yoke adapted to be mounted vertically on a vehicle frame and project therefrom, an enclosed cylinder disposed between the forks of the yoke, outwardly offset knuckle pin supports on the outer side of the cylinder adjacent each end, removable knuckle pins pivotally connecting the forks of the yoke to the knuckle pin supports, cushion means between the upper end of the piston and the cylinder head, the cylinder having a vertical slot cut in the outer side thereof, and a wheel spindle fixed on the piston and projecting outwardly through the slot.

2,135,153

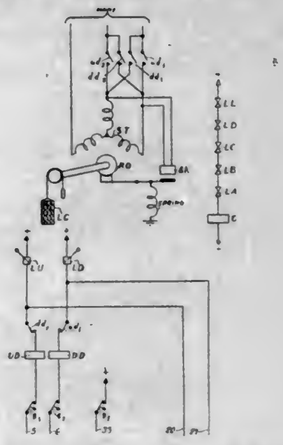
ELECTRIC SYSTEM OF CONTROL FOR LIFTS

Norman Carol Smart, Binley, Coventry, England, assignor to The General Electric Company Limited, London, England

Application November 19, 1936, Serial No. 111,652

In Great Britain November 7, 1935

12 Claims. (Cl. 187—29)



1. A system of control for an electrically operated two-buttoned collector lift in which a plurality of similar apparatus groups is employed, each group comprising means for call storage, means for following the motion of the lift in the shaft and means for signalling to a common group of co-ordinating apparatus, characterized in that interconnecting terminal strips in the form of connecting jacks are provided for each group whereby said groups may be easily interchanged or replaced.

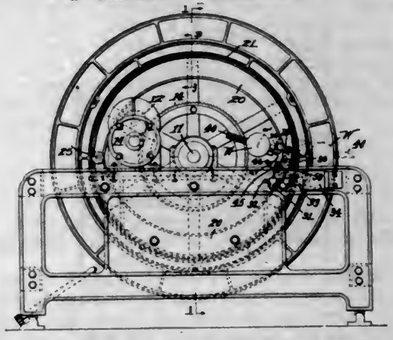
2,135,154

BRAKE MECHANISM FOR WINDING REELS

Alvin Spencer, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts

Application December 28, 1936, Serial No. 117,703

4 Claims. (Cl. 28—51)



1. In a reel, a winding drum, brakes for said drum, means to apply said brakes to stop the drum on warp breakage, and additional and independently acting means to apply said brakes to yieldingly resist backward rotation of said drum during the unwinding of yarn therefrom,

said additional means being manually movable into and out of position to coact with said brakes while maintaining the adjustment of said additional means in all positions thereof, whereby the same yielding resistance is applied whenever said additional means is operatively positioned.

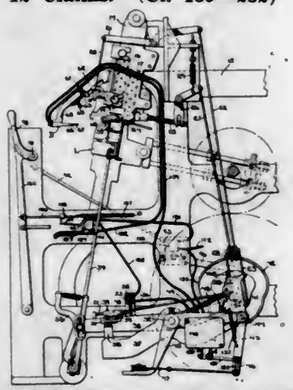
2,135,155

LOOM WITH SHUTTLE CHANGING AND LOOM STOPPING MECHANISM

Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Original application March 6, 1935, Serial No. 9,645. Divided and this application December 27, 1937, Serial No. 181,754

12 Claims. (Cl. 139—232)



1. In a loom having a plurality of shifting shuttle boxes, a box motion to move any one of the boxes to active position, a multi-color shuttle changing mechanism, a cam movable by the box motion, a selector for the shuttle changer controlled by the cam when certain of the shuttle boxes are active, and a second cam movable by the box motion to interrupt control between the first cam and the selector when certain other of the shuttle boxes are active.

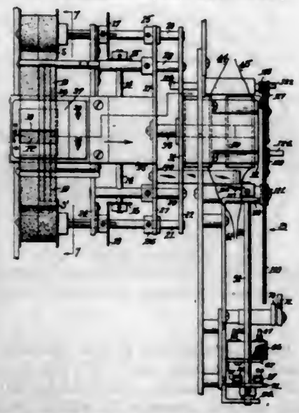
2,135,156

RIBBON SHIFT MECHANISM

Edward G. Watkins and James A. Dell, Gardner, Mass., assignors to Simplex Time Recorder Company, Gardner, Mass., a corporation of Massachusetts

Application February 17, 1936, Serial No. 64,246

10 Claims. (Cl. 197—151)



1. In a time recorder, ribbon shift mechanism comprising a slidable ribbon carriage, electromagnetic means to shift said carriage in one direction, means to return said carriage, and automatic means for rendering said electromagnetic means operative and said return means operative in fixed alternation.

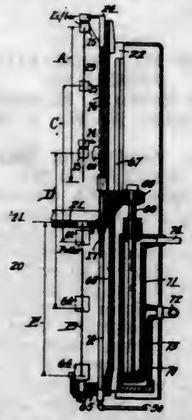
2,135,157

VERTICAL HYDRAULIC BROACHING MACHINE

Donald H. West, Bolton, Mass., assignor to The Lapointe Machine Tool Company, Hudson, Mass., a corporation of Maine

Application February 15, 1937, Serial No. 125,871

3 Claims. (Cl. 90—33)



2. In a broaching machine, a broach actuating head, hydraulic actuating mechanism for said head, a reversible discharge pump for said hydraulic mechanism, a control valve for said hydraulic mechanism, and a control device operative to move said valve and to simultaneously control the amount and direction of discharge of said pump, whereby both said valve and said pump will be in neutral position at the same time.

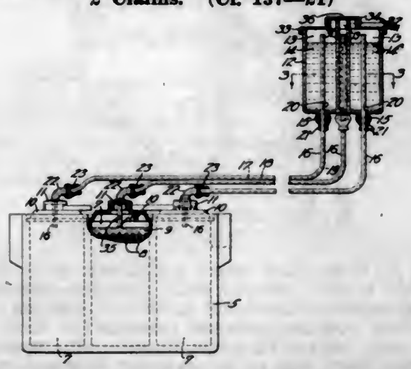
2,135,158

MEANS FOR MAINTAINING THE FLUID LEVEL OF STORAGE BATTERIES

Walter L. Wolford, Oakland, Calif.

Application September 18, 1936, Serial No. 101,481

2 Claims. (Cl. 137—21)



1. In apparatus for maintaining the level of fluid electrolyte in storage batteries having individual cells, a unitary transparent fluid reservoir having partitions therein dividing said reservoir into a plurality of separate compartments, each of said compartments having therein an aperture, conduits passing through the respective apertures, a cover for said reservoir having a central opening therein, and each of said partitions having a portion rising therefrom and entering said cover opening in such manner as to divide said opening into a plurality of lesser openings, each communicating with a separate reservoir compartment.

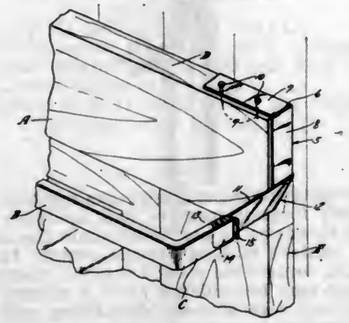
2,135,159

CURTAIN-ROD HOLDER

John Zbock, Bellaire, Ohio

Application September 30, 1937, Serial No. 166,480

1 Claim. (Cl. 248—262)



A curtain rod bracket for mounting over the upper corner of a window frame projecting inwardly from the wall surface, the said bracket comprising an integral strip including a mounting arm adapted for flatly overlying the upper edge of the window frame, a bracing arm adapted to extend downwardly and flatly overlie the outer lateral edge of the frame, a horizontally extended rod supporting arm, and a backwardly turned spring tongue at the extremity of the rod supporting arm, the said tongue being adapted for resiliently and frictionally engaging the inturned tubular end of a curtain rod.

2,135,160

PREVENTION OF CORROSION

Herman A. Beekhuis, Jr., Petersburg, Va., assignor, by mesne assignments, to The Solvay Process Company, New York, N. Y., a corporation of New York

No Drawing. Continuation of application Serial No. 572,446, October 31, 1931. This application October 23, 1936, Serial No. 107,153

3 Claims. (Cl. 23—239)

1. The process for preventing corrosion of a ferrous metal by solutions of ammonium nitrate in about 25% or stronger aqua ammonia and containing about 50% or more of ammonium nitrate, which comprises treating said ferrous metal with a strongly oxidizing agent from the group consisting of chromic acid, a permanganate and a dichromate, incorporating a chromate in said ammonium nitrate-ammonia solution, and contacting said solution with said ferrous metal.

2,135,161

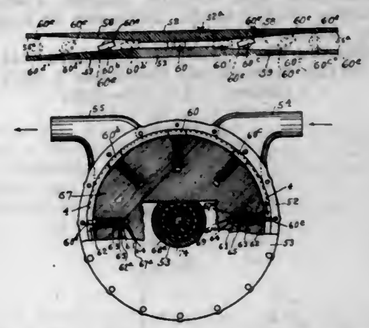
ROTARY FLUID MOTOR

Van Lawrence Bendsil and Louis Joseph St. John, Bellingham, Wash.

Application November 20, 1936, Serial No. 112,085

2 Claims. (Cl. 121—67)

2. A hydraulic rotary motor including, a rotor housing, an annular rotor-vane chamber in the said housing having inlet and outlet ports connected therewith, said chamber being of uniform depth of cross-section and having a major portion of uniform width of cross-section, a minor portion of uniform but of less width of cross-section than the major portion and two tapering portions connecting said major and minor portions together, a circular rotor disc mounted for rotation in said housing, the periphery of which constitutes the inner wall of said annular rotor-vane chamber, having a plurality of radial rotor-vane post bearings therein, rotor-vane posts mounted for oscillation in said rotor-vane post bearings, rotor vanes fastened on the outer ends of the rotor-vane posts and disposed in the rotor-vane chamber to rotate on the axis of the rotor disc through the chamber and to rotate in each of the said tapering portions of said chamber on the axes of the rotor-vane posts, the said vanes having a depth equal to the depth of said chamber, a width equal to the width of the major



portion of the chamber and a thickness equal to the width of the minor portion of said chamber, means to limit the oscillations of said vanes on the rotor-vane post axes between positions of the vanes parallel with the rotor disc axis and positions of the vanes at right angles with the axis of the rotor-vane disc, and a spring mounted on each of the rotor-vane posts fastened to the post and to the rotor disc tending to restrain the rotation of said vane on the axis of the post from its position parallel with the axis of the rotor disc, yielding to the camming action of the one tapering portion of the chamber to rotate the vane on the post axis from its said position parallel with the axis of the rotor disc to its position at right angles with the axis of the rotor disc while the vane is rotating on the axis of the rotor disc through said one tapering portion of the chamber and tending to cause said vane to rotate on the said post axis to return to its initial position parallel with said rotor disc axis while rotating through said other tapering portion of the chamber on the said rotor disc axis.

2,135,162

PROPELLER GUARD

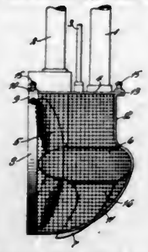
John R. Benson, East St. Louis, Ill.

Application January 17, 1938, Serial No. 185,391

4 Claims. (Cl. 115—42)

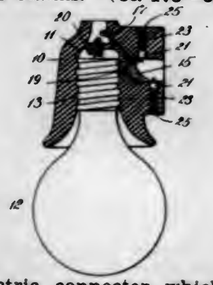
1. In an outboard-motor having a submersible propeller, means for supporting the propeller, and a rigid element in connection with said means above the propeller; an annular frame member engaging the rear of said means, a frame element engaging the front of said means and attached to said frame member below the propeller, detachable devices holding said frame member and said element in engagement with said means, and

a screen device enclosing the sides and front of



said propeller and attached to said frame member and said frame element.

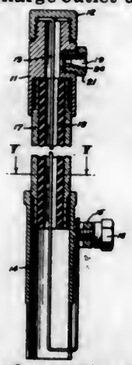
2,135,163
ELECTRIC CONNECTER
Anthonie Adrianus Boon and Hans Barknowitz, Amsterdam, and Gerard Martin Uitermark, Haarlem, Netherlands, assignors to Louis De Jong, Amsterdam, Netherlands
Application May 11, 1937, Serial No. 141,886
In the Netherlands December 7, 1936
3 Claims. (Cl. 173—356)



1. An electric connecter which comprises a casing, a socket in the casing adapted to receive and hold the base of an electric lamp or plug, a threaded screw-bolt sharpened at one end and so mounted in the casing as to permit the sharpened end to be advanced into the socket and penetrate the base of a lamp or plug therein, said screw-bolt having a slot in its shank adapted to receive a key, a pair of plungers mounted in said casing spring-pressed to enter the slot on opposite sides of the screw-bolt and thereby lock the screw-bolt, said plungers being adapted to be forced out of the slot and release the screw-bolt by the insertion of the key, and means for completing an electric circuit from the connecter to a lamp or plug therein by the advancement of the screw-bolt and for breaking the circuit by the retraction of the screw-bolt.

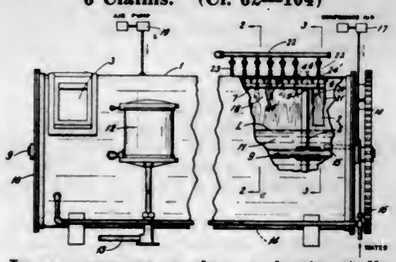
2,135,164
HIGH TENSION EXPULSION FUSE
Arnold E. Brock, Burlingame, Calif., assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif., a corporation of California
Application January 11, 1937, Serial No. 120,007
7 Claims. (Cl. 200—127)

1. In an expulsion fuse of the character described, the combination of a body forming member of insulating material having a normally closed contact making ferrule at one end and an open ended ferrule at its other end through which the arc disrupting gases are discharged under normal operating conditions, fuse link connecting means carried by each of said ferrules for attaching a fusible link therebetween, a fusible link extending through said body forming member and connected to said ferrules, said normally closed contact making ferrule having a gas discharging aperture formed therein, and means for closing said aperture operable under abnormal operating conditions to open said aperture and form an auxiliary gas discharge outlet upon the occurrence



of a predetermined excessive gas pressure within said body forming member, said aperture and its closing means being positioned upon the normally closed contact making ferrule remote from the fuse link connecting means thereof, whereby the fuse link may be replaced after a normal operation of the fuse without disturbing said means for closing said aperture.

2,135,165
PRESSURE COOLER
Joseph Bucher, Oak Park, and Emery F. Tullar, Wheaton, Ill., assignors to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application June 22, 1936, Serial No. 86,704
6 Claims. (Cl. 62—104)



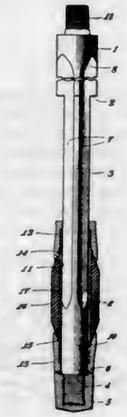
2. In a pressure cooler, a horizontally disposed, cylindrical shell, a spiral canway mounted within said shell, means for progressing cans along said canway, and spray devices mounted between the convolutions of said canway for applying a cooling medium to cans engaged with said canway, each spray device comprising rectangular hollow tubing.

2,135,166
ENCLOSED FUSE
Henry T. Bussmann, St. Louis, Mo.
Application March 29, 1937, Serial No. 133,500
10 Claims. (Cl. 200—120)



1. In a cartridge fuse, a casing comprising a tubular shell and closures at the ends thereof, a fuse link adapted to be mounted within said casing, vapor releasing means extending through the casing, a granular vapor-absorbing filler in the casing in contact with said fuse link and with said vapor releasing means, said vapor releasing means being of such restricted dimensions as shall practically prevent the leakage of filler therethrough and likewise maintain, within the casing, on blowing of the fuse, a relatively high and prolonged pressure short of that which would endanger the fuse, which relatively high and prolonged pressure will hasten the extinguishment of the arc.

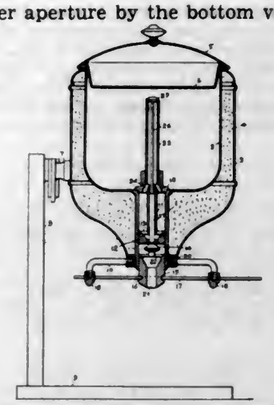
2,135,167
SWAB DEVICE FOR WELLS
William J. Campbell, New York, N. Y., assignor to Petroleum Machinery Corporation, New York, N. Y., a corporation of New York
Application May 27, 1937, Serial No. 145,005
3 Claims. (Cl. 103—225)



1. A swab device for wells comprising a fluted mandrel, an enlarged head at the upper end thereof, a swab fitted on said mandrel to allow relative movement thereof on said mandrel, said swab having an inner sleeve of substantial length fitting closely around said mandrel, a stop member to limit the downward movement of said swab, said mandrel being free from fluting for a substantial length above said stop member and cooperating with the lower inner portion of said sleeve to provide a seal.

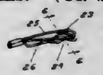
2,135,168
LIQUID MEASURING DISPENSING VALVE
William W. Cannon, New York, N. Y., assignor to Alpha Products Company, New York, N. Y.
Application January 17, 1938, Serial No. 185,390
15 Claims. (Cl. 221—114)

1. A measuring valve for a beverage dispensing apparatus, comprising a tubular casing adapted to be fitted in the bottom portion of a beverage dispensing container with the upper end of the casing in communication with the container, a valve adapted to close the upper end of the casing, a plunger slidably fitted in the casing connected with the valve, the bottom of the plunger having an aperture in communication with the casing, a manually operable valve for closing the plunger aperture, the space in the casing between the upper casing valve and plunger being of a required dispensing volume, and means to manually close the plunger aperture by the bottom valve and to



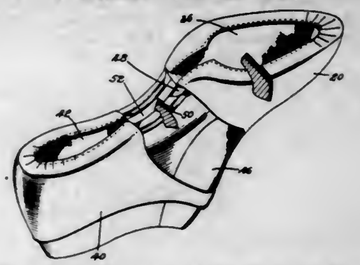
raise the plunger thereby opening the top valve for filling the casing.

2,135,169
COLLAR HOLDER
Oscar Carlson, East Providence, R. I., assignor to Dolan & Bullock, Providence, R. I., a partnership consisting of Arthur S. Dolan, Frederick A. Bullock, and William G. Bennett
Application February 14, 1935, Serial No. 6,530
2 Claims. (Cl. 24—81)



1. In a collar holder construction, an upper member, a lower member, said members being of substantially the same length, and a connector locking said members together at their center portions, the ends of each member comprising loop portions, the contiguous loop portions of said members being in substantially parallel planes and of similar width, and said lower member ends being resiliently urged towards said upper member ends, whereby the sides of the lower loop portions are resiliently urged to contact the sides of the contiguous upper loop portions.

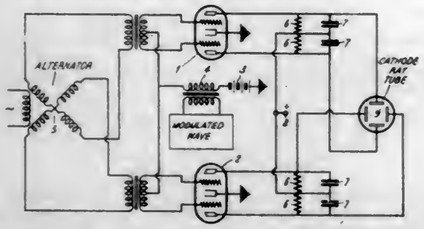
2,135,170
SHOE AND METHOD OF MAKING THE SAME
James Cavanagh, Cohasset, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application October 19, 1936, Serial No. 106,304
8 Claims. (Cl. 12—142)



1. That improvement in methods of making shoes which consists in providing a first and a second last, the lasts being substantially identical except that the first last has the area of its bottom reduced by removing a predetermined portion from its periphery, assembling on the first

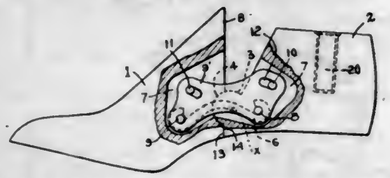
last an upper cut for the second last and an insole member cut to fit the bottom of the first last, working the upper over upon the bottom of the insole member and securing it thereto, removing the first last, inserting the second last thereby placing the upper under tension, and attaching an outsole to the overlasted upper.

2,135,171
WAVE DEMODULATING MEANS
Henri Chireix, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil, a corporation of France
Application February 12, 1935, Serial No. 6,137
In France February 15, 1934
6 Claims. (Cl. 250—8)



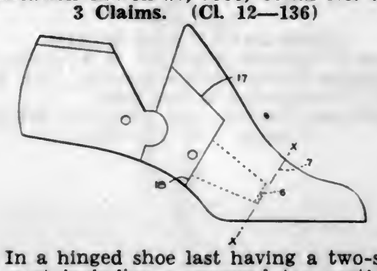
4. In a system for demodulating a carrier wave the phase of which is altered at signal frequency, a pair of thermionic tubes each having a pair of symmetrical control grids, a cathode and a pair of symmetrical anodes, a source of a frequency of the order of the frequency of the carrier wave, phase displacing circuits connected with said source to derive therefrom waves of displaced phase relation, a circuit connected with said phase displacing circuit for applying waves of one phase in phase opposition to the control grids in one of said thermionic tubes, a circuit for applying waves of a different phase in phase opposition to the control grids in the other of said thermionic tubes, a circuit for applying modulated waves in phase to the control grids of each tube the phase of the modulations applied to the control grids of the different tubes being different, impedances connecting the anodes of each tube in push-pull relation, means comprising connections between said impedances for producing a rotary field, and an indicating device connected with the anodes of said tubes, and responsive to said rotary field.

2,135,172
SHOE LAST
George Clausing, Portsmouth, Ohio, assignor to Vulcan Corporation, Portsmouth, Ohio
Application February 20, 1936, Serial No. 64,923
6 Claims. (Cl. 12—136)



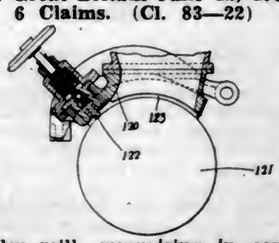
1. A shoe last having a fore and heel part and a hinge therebetween to permit expansion and contraction of the last, a spring member tensioned to produce compression at the joint of said hinge and operable to snap the last into expanded and contracted positions, a pair of pins upon which the ends of said spring are anchored, a stop link having an upper section situated above the axis of said hinge and a lower section having apertures within which are received said spring anchor pins, and means in said upper section of the link to permit contraction of the last and to prevent the rotation of the hinge beyond its normal position when the last is expanded.

2,135,173
REMODELED SHOE LAST
Henry Clausing, Portsmouth, Ohio, assignor to Vulcan Corporation, Portsmouth, Ohio
Application March 27, 1936, Serial No. 71,157
3 Claims. (Cl. 12—136)



1. In a hinged shoe last having a two-section fore part including a renewed toe portion extending rearwardly from the toe end thereof to a transverse plane closely adjacent the forward extremity of the hinge mechanism and a mortise and tenon connection between the two sections of the fore part in which the tenon is integral with the last part from which it projects.

2,135,174
ROLLER AND ROLLER AND BREAST MILLS
Henry Edward Cox, Bristol, and John Rowland Torrance, Bath, England
Application April 27, 1932, Serial No. 607,830
In Great Britain June 12, 1931
6 Claims. (Cl. 83—22)

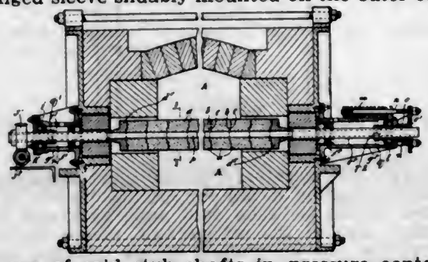


1. A roller mill, comprising in combination, fast and slow running rolls, a feed hopper overlying said roll pair, said hopper having a bottom plate or floor with a discharge opening overlying the fast roll a throat forming plate extending from the edge of said opening nearest the slow roll to the surface of the slow roll adjacent the bight of said rolls, and forming a continuous tapered throat between the fast running roll and said plate, the narrow end of the throat being towards the grinding nip.

2,135,175
ROLLER FOR CONVEYER FURNACES
John Fallon, Smethwick, near Birmingham, England
Application July 16, 1937, Serial No. 154,008
In Great Britain July 23, 1936
1 Claim. (Cl. 263—6)

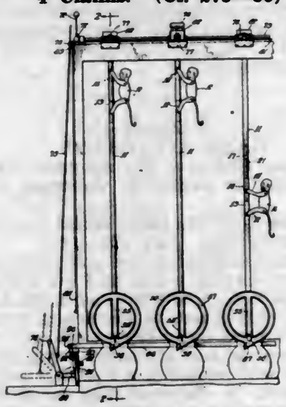
In a conveyer type of furnace, a conveyer roller of composite construction which comprises, in

combination, a plurality of interengaging disc-like refractory sections, metallic caps fitted respectively at opposite ends of said plurality of sections, stub shafts carrying the respective end caps and extending outwardly through opposite side walls of the furnace, flanged sleeve brackets fixed to said walls so as to enclose the projecting ends of the respective stub shafts, bearings within the inner ends of said sleeve brackets providing inner supports for the respective stub shafts, thrust bearings within the outer ends of said sleeve brackets providing outer supports for the respective stub shafts, collars fixed on the respective stub shafts in pressure contact with the inner faces of the respective thrust bearings, a flanged sleeve slidably mounted on the outer end



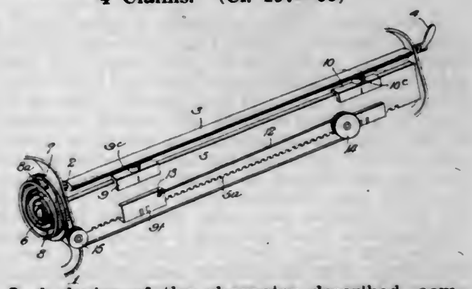
of one of said stub shafts in pressure contact with the outer face of the respective thrust bearing, a plurality of bolts anchored to the flange of said slidable sleeve so as to extend inwardly through a flange of the respective fixed sleeve bracket, and a plurality of compression springs carried by the inner ends of said bolts so as to apply pressure to the adjacent end cap of the roller sections through said slidable sleeve and its associated thrust bearing, fixed collar, and stub shaft, and thereby to maintain the entire roller as a compression structure independent of any support by an axle, the axial pressure being in excess of any opposed stresses to which the roller may be subjected by loading as a beam and by usage at the high working temperatures of the furnace.

2,135,176
AMUSEMENT DEVICE
Glen D. Fleak, Beaumont, Tex., assignor of one-fourth to H. A. Mitchem, one-fourth to C. M. Lewis, both of Lake Charles, La., and one-fourth to W. D. Fleak, Chicago, Ill.
Application December 18, 1937, Serial No. 180,584
4 Claims. (Cl. 273—86)



1. An amusement device having a plurality of upwardly extended guides, a figure operatively connected to each guide to be movable along the guide between a starting position and a goal, cable means for each figure for raising and lowering the figures along the guides, rotatable winding members for said cables, a common drive means frictionally connected individually with said winding members, stop means for each winding member operative to hold it against rotation in one direction only, manually actuated means individual to each stop means for releasing it, said drive means being reversible to turn said winding members in the other direction, and holding means individual to each winding member to prevent rotation thereof in said other direction, each of said cables being connected to the corresponding holding means to hold it in inoperative position until the cable is unwound from its winding member.

2,135,177
MARGIN-REGULATING STOP
Harold C. Fox, Waterloo, Iowa
Application July 1, 1937, Serial No. 151,384
4 Claims. (Cl. 197—63)



2. A device of the character described, comprising in combination, a shiftable dentated bar, abutments mounted adjacent said bar, releasable marginal stops mounted slidably on the bar for occasional engagements with said abutments, each stop including a resiliently controlled ratchet releasably engaged with teeth of said bar, a spring drum mounted on one end of said bar, a cable end-connected to and windable on the spring drum, carried thence around a part of the remote stop and returned reversely with its other end connected to the hither stop, and a reversely rockable shaft positioned along said bar, transversely widened and for manual manipulation to rock it in either of opposite directions to releasably engage and actuate either ratchet separately to disengage it from the bar teeth to permit the stop to be slidably adjusted therealong in a to and fro direction relative to the adjustments of the other stop.

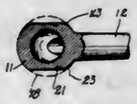
2,135,178
CLOSURE FOR COLLAPSIBLE TUBES
John J. Glauber, West Orange, N. J.
Application June 29, 1938, Serial No. 216,427
4 Claims. (Cl. 221—60)



1. A closure for collapsible tubes comprising, a housing having a passage extending through

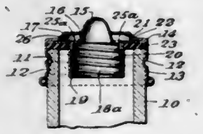
it, said passage having an internally threaded portion for reception on the end of a collapsible tube, a lever pivoted at the side of said housing, a plunger movable in the housing at an angle to the passage, said plunger extending across the passage and closing the outer end of the same, a spring having an end anchored in the housing and a free end operative against the lever for causing the lever to hold the plunger in normally passage-closing position.

2,135,179
SMOKER'S PIPE WITH REMOVABLE ADJUSTABLE COVER
Frederick Hudes, Kew Gardens, N. Y.
Application August 28, 1937, Serial No. 161,374
2 Claims. (Cl. 131—176)



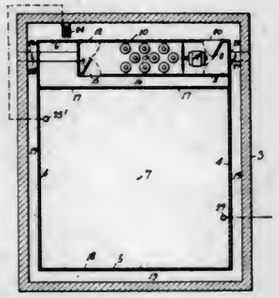
1. A tobacco pipe including a pipe bowl, a member including a cover for the bowl and legs dependingly connected to the cover, the bowl being disposed between said legs, and pivot means interengaging said legs and opposite sides of the bowl for swinging opening and closing movement of the cover about the axis of the pivot means, said member including resilient material so that the legs are adapted to be sprung apart for engagement and disengagement of the member at the pivot means, the latter including releasably interengaging head and socket portions, the sides of the bowl being beveled from the pivot means to provide cams inclined for facilitating interengagement of the head and socket portions, and the bevels being remote from the upper part of the bowl to prevent accidental upward release of the member.

2,135,180
DISPENSER
Harold F. Johnston and Emerson H. Tompkins, Waterbury, Conn., assignors to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application June 15, 1936, Serial No. 85,286
2 Claims. (Cl. 215—78)



1. A liquid dispenser of the class described including a closure cap adapted for attachment to the open end of a container and having a discharge opening therein, a support member extending within the open end of said container and having means to permit the passage of the container contents therethrough, means for holding said support member in cooperable assembled position relative to said cap coincident with the assembly of the latter to its respective container and a plunger for closing the opening in said cap having integrally formed spaced guide fingers slidably engaged in said support member, and a spring engaged between the support means and the plunger for holding the latter in normal closed position.

2,135,181
DOUBLE WALL REFRIGERATOR
Walter Jones, Princeton, N. J., assignor, by mesne assignments, to Carrier Corporation, Newark, N. J., a corporation of Delaware
Application November 12, 1934, Serial No. 752,559
4 Claims. (Cl. 62—89)

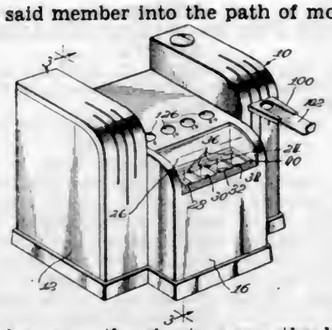


1. In a refrigerator, dehumidifying apparatus, means including a fan for circulating air in a closed circuit between said apparatus and the storage area of the refrigerator, means for interrupting the circulation of air between said area and said dehumidifying apparatus, means affording communication between the dehumidifying apparatus only and the atmosphere surrounding the exterior of the refrigerator when said circulation of air is interrupted, said fan being arranged to circulate air from said exterior atmosphere over said dehumidifying apparatus when said circulation of air between said apparatus and said storage area is interrupted.

4. A refrigerator of the character described having outer walls, a false ceiling, and false sides, the area contained within said false ceiling and said false sides constituting a space for the storage of produce, the space between said false ceiling and false sides and the outer walls of said refrigerator constituting an air passageway, means providing communication between said air passageway and the lower portion of said storage space, refrigerating coils positioned in the upper portion of said refrigerator, and adjustable baffle means in combination with said refrigerating coils, said baffle means being adapted when in a predeterminined position to route air from the refrigerating coils directly into the conditioned space and back to the refrigerating coils through said air passageway, and adapted, when in another predetermined position, to route air from the refrigerating coils through said air passageway to said conditioned space and then to said refrigerating coils.

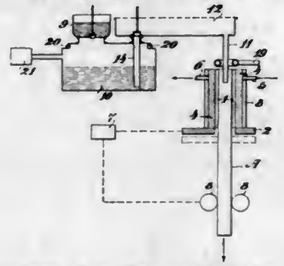
2,135,182
GAME APPARATUS
Allen T. Joze, Chicago, Ill., assignor, by mesne assignments, to James E. Johnson, Chicago, Ill.
Application July 12, 1935, Serial No. 30,977
15 Claims. (Cl. 273—145)

1. In a game apparatus, the combination of an electromagnet having a coil and an armature, a pair of contacts in circuit with said coil and constructed and arranged to be closed when said armature is moved away from said coil, resilient means for moving said armature away from said coil to close said contacts, a hammer secured to said armature, a dice-carrying member, and manually controlled means for substantially simultaneously energizing said electromagnet and moving said member into the path of movement



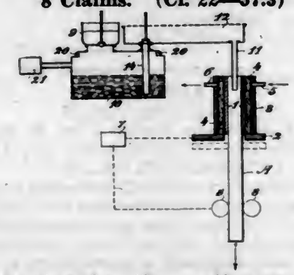
of said hammer, thereby to cause the latter to vibrate said member.

2,135,183
PROCESS FOR CONTINUOUS CASTING OF METAL RODS
Siegfried Junghans, Villingen, Germany
Application October 12, 1934, Serial No. 748,046
In Germany October 19, 1933
10 Claims. (Cl. 22—57.2)



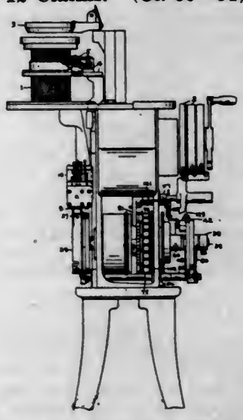
1. A process for the continuous casting of metal rods which comprises pouring molten metal continuously at a constant rate into one end of a chilled mould, and withdrawing solidified rod continuously at a constant rate from the other end, while causing intermittent relative motion between the solidified rod and the mould, such that there is no relative motion between the solidified rod and mould during a substantial portion of the casting time, but there is relative motion therebetween during another substantial portion of the casting time.

2,135,184
APPARATUS FOR CONTINUOUS CASTING OF METAL RODS
Siegfried Junghans, Stuttgart, Germany
Application June 30, 1936, Serial No. 88,215
In Germany October 19, 1933
8 Claims. (Cl. 22—57.3)



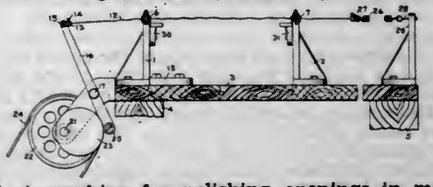
1. Apparatus for the continuous casting of metal rods, comprising, in combination, a chilled mold, means for pouring molten metal continuously into one end of said mold, means for withdrawing solidified rod continuously from the other end of said mold, and means for reciprocating said mold longitudinally of said rod in timed relation therewith such that said mold moves with the rod in one direction at the same speed as the rod.

2,135,185
PATTERN MECHANISM FOR KNITTING
Robert H. Lawson, Pawtucket, and Arthur N. Cloutier, Lonsdale, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application November 17, 1930, Serial No. 496,228
12 Claims. (Cl. 66—54)



1. A knitting machine including a needle bed and needles mounted therein to move independently to and from thread taking position, means variably to control the needles, a cam shaft having two rotary means mounted thereon each adapted by such rotation variably to act upon the means first mentioned, other means adapted either to engage one of such two rotary means and advance the same, at times, circumferentially through an angle or angles of a predetermined number or numbers of degrees; or to advance the other such means circumferentially through an angle or angles of fewer degrees than the number of numbers of degrees first mentioned while fashioning the leg of a stocking.

2,135,186
LAPPING MACHINE
Robert H. Lawson, Pawtucket, and William Jackson, Central Falls, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application February 8, 1937, Serial No. 124,628
3 Claims. (Cl. 51—62)



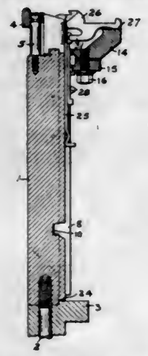
1. A machine for polishing openings in machine elements including a supporting frame, a single strand of polishing wire kinked laterally and threaded through bushings in said supporting frame, and means for reciprocating said wire to and fro through the bushings.

2,135,187

NEEDLE BED FOR KNITTING MACHINES

Robert H. Lawson and William L. Smith, Jr., Pawtucket, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts

Application February 9, 1937, Serial No. 124,844
12 Claims. (Cl. 66—115)



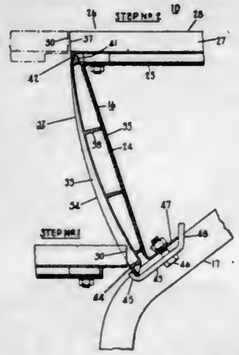
1. In a needle bed for knitting machines, a cylinder shell and strips inserted therein for guiding needles, said strips having offset extensions at their upper ends constructed to guide sinkers.

2,135,188

MOVING STAIRWAY

David Leonard Lindquist, White Plains, N. Y., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey

Application February 11, 1938, Serial No. 189,974
6 Claims. (Cl. 198—16)



1. In a moving stairway in which each step has a riser and a tread, with the tread provided with a plurality of longitudinally extending grooves to form cleats for meshing with the teeth of a comb at the end of the stairway, the construction of the steps in which the ends of the cleats of the tread of each step toward the riser of the adjacent step when these steps are in platform formation are substantially parallel to the ends of the cleats of the adjacent step, the grooves between said cleats being closed at their bottoms out to said ends of the cleats, and in which the riser of each step has a curved face provided with a plurality of upwardly extending curved cleats for meshing with the ends of the tread cleats of the adjacent step while these steps are in step formation and during the transition thereof to platform formation.

2,135,189

PROCESS FOR PRODUCING MOLYBDENUM ALLOYS

Arthur Linz, New York, N. Y., assignor to Climax Molybdenum Company, New York, N. Y., a corporation of Delaware

No Drawing. Application April 28, 1937, Serial No. 139,504
3 Claims. (Cl. 75—133)

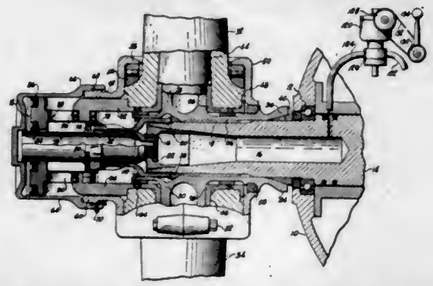
2. A process of producing molybdenum containing ferrous alloys which includes adding to the metal to be alloyed a mechanical mixture of a molybdenum oxide and a substance selected from the group consisting of magnesium, calcium, barium, strontium, cupric, beryllium, lead, ceric and ferrous oxides and carbonates, and heating to reduce the molybdenum and recover it in the metal.

2,135,190

AERONAUTICAL PROPELLER

Erle Martin, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application March 26, 1936, Serial No. 70,975
11 Claims. (Cl. 170—163)



1. In a controllable pitch propeller, a hub, a plurality of blades rotatably mounted on said hub said blades having centrifugal moments of inertia tending to rotate the blades in one direction of pitch angle adjustment upon rotation of said propeller, a cylinder fixed to said hub, a piston having a plurality of straight cam slots and a plurality of diagonal cam slots therein reciprocable in said cylinder to rotate said blades in a direction opposite to that induced by said moments of inertia, an arm on each propeller blade extending within said cylinder, a cam follower on each of said arms, said cam followers cooperating with respective diagonal cam slots to convert rectilinear movements of said piston into rotational pitch adjusting movements of said blades and rotational movements of said blades into rectilinear movements of said piston, members fixed to said hub, and cam followers on said fixed members cooperating with respective straight cam slots in said piston to restrain said piston against rotation in said cylinder.

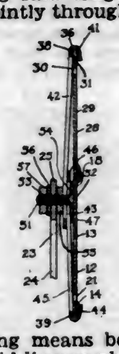
2,135,191

PLATE ASSEMBLY

John A. McBrady, Valley City, N. Dak.

Application June 1, 1937, Serial No. 145,660
5 Claims. (Cl. 40—125)

2. In combination with a license plate having a slot at the upper marginal portion thereof, a companion plate formed with a tongue adapted to extend through the slot and to overlie the back side of the license plate, a pair of arms, one for each plate, fingers on the ends of the arms for engagement with the outer edges of the plates, said arms overlying said tongue, and fastening means extending jointly through said tongue and



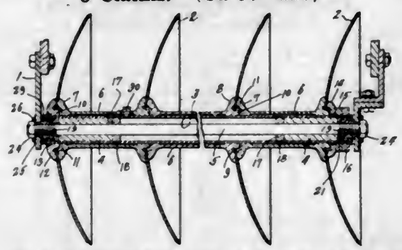
arms, said fastening means being disposed entirely in back of said license plate.

2,135,192

DISK MOUNTING

Rollie H. Mitchell and Oscar W. Sjogren, Huntington Park, and Edwin F. Wadelton, Los Angeles, Calif., assignors to Kiliefer Manufacturing Corporation, Los Angeles, Calif., a corporation of California

Application November 26, 1937, Serial No. 176,564
8 Claims. (Cl. 97—220)



1. In a ground working tool, the combination of a tubular shaft, a fixed shaft concentrically positioned within the tubular shaft, a frame, bearing stops positioned within the tubular shaft and spaced from the ends thereof, a plurality of ground working elements, interlocking spaced elements mounted upon the tubular shaft having complementary engaging ends of non-circular form between which the ground working elements are secured, one of said elements being fixed to the tubular shaft at one end and clamping means secured to the shaft at the opposite end to lock the assembly of spacers and ground working elements to the tubular shaft, bearing means positioned within the tubular shaft at the respective ends thereof in engagement with the bearing stops, bearing adjustment collars threaded to the fixed shaft within the tubular shaft and providing frame-engaging means, means secured to the opposed ends of the fixed shaft for clamping the fixed shaft to the frame and to the collars, means for spraying lubricant to within the tubular shaft, and means at the ends of the tubular shaft for retaining the lubricant therein.

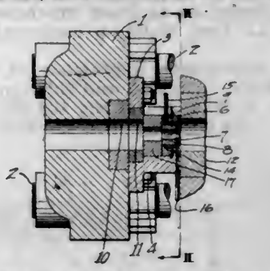
2,135,193

EXTRUSION

Joseph N. Moorhead, Shaker Heights, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

Application April 12, 1935, Serial No. 15,937
3 Claims. (Cl. 207—10)

1. The method of eliminating pick-up on an extrusion die in the extrusion of aluminum and its alloys, comprising heating a solid billet of the metal and expressing the heated solid billet through said die, and cooling said die during the



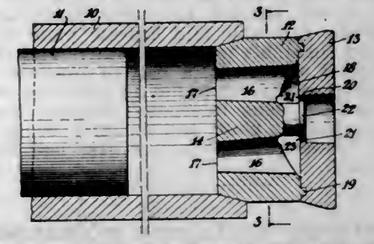
extrusion operation, said cooling being regulated to maintain the die temperature below that reached by the billet during all stages in its extrusion.

2,135,194

EXTRUSION OF TUBULAR SHAPES OF ALUMINUM AND ALLOYS THEREOF

Wyvel S. Underhill, Detroit, Mich., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

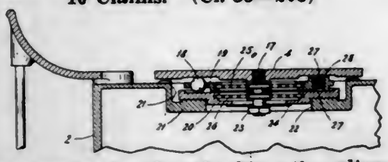
Application June 21, 1935, Serial No. 27,642
6 Claims. (Cl. 207—17)



1. Method of extruding tubular shapes of aluminum and alloys thereof, comprising pressing a billet of aluminum or an alloy thereof against a surface having one or more shearing-edged openings to form thereby one or more streams of metal; continuing the pressure on the billet and thereby delivering the streams into a welding space and against a surface having an annular opening formed by inner and outer shearing edges; and continuing the pressure to force the metal from the welding space out through the said annular opening and thereby form a tubular shape.

6. An extrusion-die structure comprising, in combination, an adapter element, and a die plate; said adapter element having a substantially flat rear face and one or more forwardly flaring passages extending forwardly through the adapter and terminating in an expansion chamber, and a core secured to said adapter and extending into the expansion chamber, said core having a circumferential flange at its unsupported extremity; the die plate having a substantially flat rear face in abutting relationship with the adapter, said rear face forming a wall of the expansion chamber, and a die aperture in the die plate into which the aforementioned core extends, said core and die aperture cooperating to define therebetween an axially short passage having parallel walls; said adapter element and die plate being provided with aligning means which permit separation of the adapter and die plate irrespective of unextruded metal within the adapter following an extrusion operation.

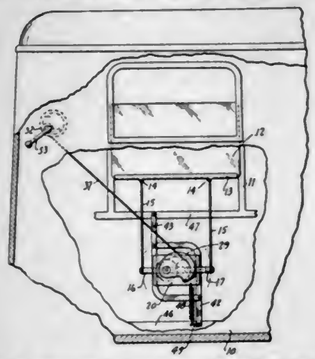
2,135,195
TURNTABLE FOR WHEEL ALIGNERS
James W. Morse and Charles S. Phillips, Lansing, Mich., assignors to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Original application September 17, 1934, Serial No. 744,420. Divided and this application November 2, 1936, Serial No. 108,707
10 Claims. (Cl. 33—203)



1. An apparatus for checking the alignment characteristics of automobile wheels comprising a support for an automobile wheel, a turntable mounted on said support for universal lateral movement, a ball bearing under said turntable, a flat plate supporting said ball bearing and permitting universal lateral as well as circumferential movement and an involute spiral spring mounted concentrically beneath said turntable and cooperable therewith for holding said turntable normally central relative to its support.

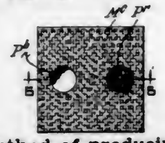
10. A turntable assembly for wheel aligning machines comprising a turntable having a depending hub, a bearing plate beneath said turntable, a ball bearing mounting interposed between the turntable and bearing plate to support the turntable for both rotative and universal lateral movement, a pair of involute spiral centering springs surrounding said hub, one of said springs being interposed between the hub and the bearing plate, and the other being interposed between the hub and the ball bearing mounting.

2,135,196
WINDOW REGULATOR MECHANISM
Stanley W. Nicholson, Toledo, Ohio, assignor, by mesne assignments, to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Application February 1, 1937, Serial No. 123,411
18 Claims. (Cl. 268—126)



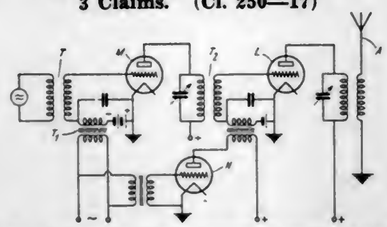
1. In a regulator mechanism for vehicle windows, a pair of oppositely disposed arms operatively connected at one end to raise and lower a window, means engaging the opposite ends of said arms to cause said arms to swing conjointly, separate means to impart translatory movement to said arms during swinging movement thereof, and a manually operated flexible drive for said arms.

2,135,197
ANAGLYPH STEREOSCOPY
John A. Norling, New York, N. Y.
Application March 16, 1937, Serial No. 131,113
4 Claims. (Cl. 88—29)



2. In the method of producing a print for use in anaglyph stereoscopy wherein left eye and right eye pictures are printed one in magenta and the other in blue, the improvement which comprises superposing on the blue picture a yellow negative thereof of sufficient intensity to eliminate said picture when viewed through a blue filter, and superposing on the magenta picture a yellow positive thereof of sufficient intensity to yield a black image when viewed through a blue filter.

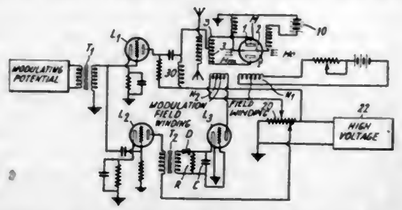
2,135,198
TRANSMITTER MODULATION
Helmut Pitsch, Berlin-Steglitz, Germany, assignor to Radio Corporation of America, a corporation of Delaware
Application April 17, 1936, Serial No. 74,838
In Germany December 10, 1934
3 Claims. (Cl. 250—17)



1. A system for transmitting modulated carrier waves comprising, a source of carrier waves, a modulating tube and a power amplifier tube, each of said tubes having controlling electrodes, said modulating tube also having an output electrode, means for feeding waves from said source to a controlling electrode of said modulating tube, means for supplying modulating waves to said modulating tube, means for supplying modulated waves from the output electrode of said modulating tube to a controlling electrode of said power amplifier tube, means for biasing a controlling electrode of said power amplifier tube negative relative to the cathode of said power amplifier tube, and means for simultaneously varying the potential of a controlling electrode of said power amplifier tube in accordance with said modulating waves and substantially in phase with the envelope of said modulated waves, said bias and varying potential being such as to cause said power amplifier to operate entirely on the linear portion of its characteristic curve and at the lower end thereof to thereby reduce power amplifier tube losses.

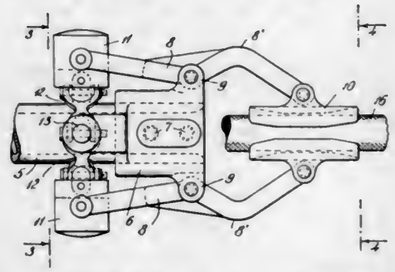
2,135,199
MAGNETRON MODULATION SYSTEM
Maurice Ponte and Luc Maurice Elie, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil, a corporation of France
Application November 6, 1936, Serial No. 109,400
In France November 7, 1935
2 Claims. (Cl. 179—171)

2. In a signalling system, a source of modulating potentials, an electron discharge tube having an anode and a cathode electrode, an oscillatory circuit connecting said anode and cathode, means for applying energizing currents to said anode and cathode and a magnetic field to said electrodes, whereby oscillations are produced in said tube and circuit, means for producing an additional field opposing said first field an amount



sufficient to prevent the production of oscillations in said tube and circuit, means connected with said last named means and with said source of signals for reducing said last named field in the presence of signaling energy, and means connected with the anode of said tube and with said source of signals for modulating the anode potential of said tube in accordance with signals.

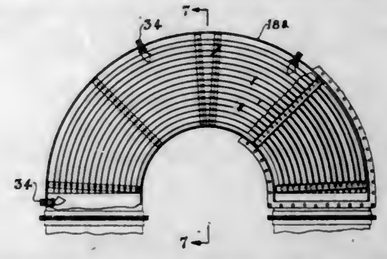
2,135,200
POLISHING APPARATUS
Beauford H. Reeves, Pine Orchard, Conn., assignor to Rockbestos Products Corporation, a corporation of Massachusetts
Application May 6, 1936, Serial No. 78,292
10 Claims. (Cl. 173—244)



1. In an apparatus for compressing and smoothing insulation about a metallic conductor, the combination with a rotatable spindle of a hub adapted to be secured to said spindle, a pair of levers pivoted intermediate their ends to said hub and symmetrically positioned on opposite sides of the longitudinal axis of said spindle, each of said levers carrying a compressing device at one end thereof and a weight at the other end thereof, and parallel linkage operatively connecting said weights.

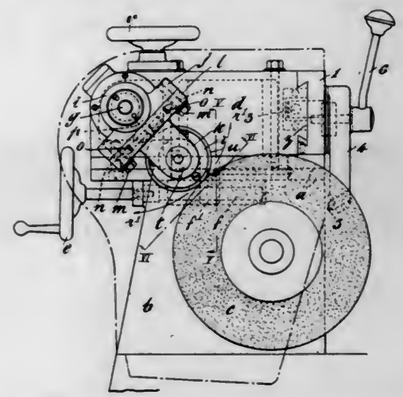
2,135,201
GAS CLEANER
Owen R. Rice, Chicago, Ill., assignor to Freyn Engineering Company, Chicago, Ill., a corporation of Maine
Application June 22, 1936, Serial No. 86,603
4 Claims. (Cl. 183—34)

1. In gas cleaning means, in combination, a curved conduit and an assembly of vanes within said conduit, said vanes being spaced apart and disposed vertically and conforming to the curvature of said conduit, bridging means for holding said vanes in assembled relationship with each other, supporting means on the interior of said conduit cooperating with certain of said bridging means to suspend said assembly of vanes in spaced relationship with the bottom



of said conduit, and a plurality of flushing means spaced circumferentially of said conduit adjacent to the bottom thereof for squirting water along said bottom.

2,135,202
MEANS FOR SHAPING THE OPERATIVE SURFACES OF GRINDING WHEELS
Arthur Scrivener, Birmingham, England
Application January 15, 1937, Serial No. 120,707
In Great Britain February 17, 1936
2 Claims. (Cl. 125—11)



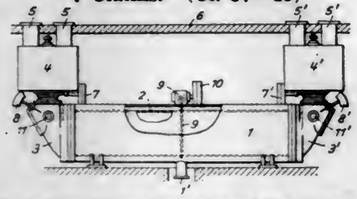
1. A machine for shaping the annularly grooved operative surfaces of grinding wheels for helically grooved work such as screw-threads, and which comprises, in combination, a frame, a horizontal slide-way thereon, a box-like slide mounted upon said slide-way, means on said frame for rotatably mounting the grinding wheel to be grooved and shaped, a shaft carried by said slide in parallel relation to the axis of rotation of said grinding wheel, an annularly grooved crushing or shaping roller mounted in bearings on said shaft in opposed relation to said grinding wheel, means incorporated in said bearings for swivelling said roller into an obliquely adjusted setting relative to said axis of the grinding wheel, whereby said roller is accommodated to the helix angle of the work to be eventually ground, means for moving said slide and said roller to and from the operative surface of said grinding wheel, and means for oscillating said obliquely adjusted roller tangentially across the face of said grinding wheel in directions at right angles to said axis to effect the cutting or shaping operation.

2,135,203

DEVICE FOR THE CONTINUOUS TREATMENT OF ANIMAL CARCASSES, SLAUGHTER-HOUSE OFFAL, ETC.

August Sommermeyer, Berlin-Rudow, Germany

Application October 1, 1936, Serial No. 103,624
In Germany October 11, 1935
7 Claims. (Cl. 87—13)



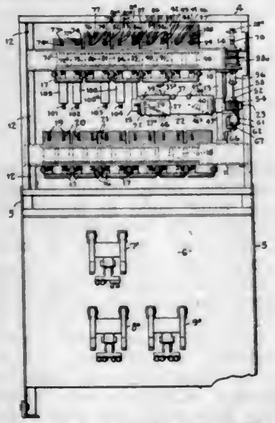
1. In a digesting apparatus of the character described, adapted for continuous operation, a horizontal cylindrical cooking shell having a central outlet, and feeding inlets at both ends thereof, two feeding devices connected to said feeding inlets, respectively, each of said feeding devices comprising a preheating chamber provided with a feeding door and with a door establishing communication with the shell, means for heating the material in the shell, means for preheating the material fed to the preheating chambers so as to raise the pressure thereof to about that prevailing in the cooking shell, and a cylindrical screen mounted for concentric rotation within said shell, said screen having completely open ends extending all the way to the shell ends so that preheated material may be fed directly into said screen through the ends thereof.

2,135,204

CONTROL SYSTEM

Marcellus Staley and Adolf Kramer, Brooklyn, N. Y., assignors to Staley Elevator Company, Inc., New York, N. Y., a corporation of New York

Application June 8, 1934, Serial No. 729,689
58 Claims. (Cl. 187—29)



9. In an elevator control system the combination with a car, of call circuits comprising an up relay and a down relay corresponding to each of a plurality of floors, a commutating machine reversibly actuated by the movement of the car having a call storing unit, push buttons operable from each of said floors and from an elevator car for closing said circuits, push button shunting circuits and additional cooperating call storing means corresponding and individual to each of said floors, each of said additional call storing means being adapted while the car is passing its corresponding floor, to establish a bypass for a corresponding call circuit to hold a registered call entered from said floor in a direction opposite to car corresponding direction.

15. In an elevator control system the combination with a car and a hoisting motor therefor, of control circuits comprising a plurality of floor relays, a commutating machine having call storing and car dispatch units, means operable from a plurality of floors and from the car for controlling the closing of said circuits, car running circuits comprising up and down direction switches, circuits for actuating said switches comprising an up direction and a down direction relay, means controlled by said car dispatch unit for selectively closing one side of a circuit for a direction relay, the other side of the original circuit for said direction relays comprising normally closed contacts of another switch relay, the circuit for said other switch relay being controlled by energization of a direction relay, whereby said other switch relay is energized following energization of a direction relay, said other switch relay, when energized, being adapted to first close a bypass for the direction relay circuit and to thereafter open the direction relay circuit at the said normally closed contacts.

28. In an elevator control system the combination with a car, a hoisting motor therefor, a gate and operating mechanism for causing opening and closing movements of the gate, of control circuits comprising a plurality of electro-magnets, a commutating machine, and contacts controlled by the movement of the gate and operable into circuit closing engagement only at the end of one of the said movements of the gate to initiate a time interval control, for another circuit of the system.

35. In an elevator control system, the combination with a car movable in a hatchway past a plurality of floors of a commutator comprising a movable element, means controlled by movement of the car for effecting step movements of said element, a car running circuit, means for intercepting the car comprising a magnet and a pair of contacts operable by the magnet to effect interruption of the car running circuit, a circuit for said magnet comprising a pair of normally-closed contacts, and means operable to open said contacts to interrupt the circuit for said magnet and prevent its energization during step movements of the movable element of the commutator.

38. In an elevator control system the combination with a car serving a number of floors, and car starting and stopping mechanism, of control devices and circuits for causing the car to start in response to a call; to stop at floors in response to calls; and to restart after each stop until all calls are answered; said control devices and circuits including an up relay and a down relay for each of several floors; an up switch and a down switch at each of said several floors, each switch at all of the floors except the floor at which the car is located being operable to cause direct energization of a corresponding relay for the floor, to store a call therein; and switches in the car, one for each floor, the switch in the car at all of the floors except the floor at which the car is located being operable to cause direct energization of the up and the down relay for the corresponding floor, to store calls therein, and means operable upon stopping of the car to open circuit and cause deenergization of the floor relay or floor relays corresponding to each of said plurality of floors at which the car stops.

54. In an elevator control system the combination with a car serving a number of floors, car starting and stopping mechanism, a gate for the car, operating means for causing the gate to open, and operating means for causing the gate to close; of control devices and circuits operable for causing the car to start in response to a call; to stop at floors in response to calls and to restart after each stop until all calls are answered, and means directly controlled by and operable by the operating mechanism for closing the gate remaining operated beyond a predetermined time period for causing all operated control devices to be deenergized, thereby restoring the control system to its original condition.

56. In a control system for an elevator car serving several floors, the combination of: a floor selector, including a rotatably mounted ratchet gear, two electro-magnets, mechanism, including a pawl controlled by each of said magnets for causing step movements of the gear in clockwise and counter-clockwise directions, means governed by movement of the elevator car for causing automatic intermittent and selective operation of either of said magnets, to first cause an associated pawl to rock into sliding contact with a tooth surface of the said ratchet gear; then to cause the pawl to wedgingly engage between the said surface of the said tooth and the surface of an adjacent tooth of the gear to advance the gear, and to then cause the pawl to be locked to the ratchet gear, thus terminating its step movement and causing the momentum developed in the gear, to be absorbed by said mechanism to prevent overrun and back lash, and means automatically operable only after each complete step movement of said ratchet gear for causing an operated pawl to be unlocked and to be restored to its original position with respect to the said ratchet gear, whereby each operation of one of said magnets causes a controlled step movement of the gear through a uniformly exact distance.

57. In a control system for an elevator car serving several floors, the combination with car starting and stopping apparatus mechanically connected with the elevator car, of a controller comprising a number of electro-magnets for controlling operations of the car; a channel member supporting said electro-magnets along and within the channel of the member, and providing for each of the magnets a magnetic flex path at the portion at which each magnet is located in the channel of the member, the said channel being open at one side throughout its length to allow ready access to the magnets supported within flanges of the member, and free circulation of air throughout the member and about each of the magnets mounted in the member; and means electrically connecting the controller to the car starting and stopping apparatus, whereby a compact unit is provided for control of an elevator car, the unit being free of mechanical connection to the car starting and stopping apparatus, and being capable of ready replacement, and of being remotely located with respect to the car and the car starting and stopping apparatus.

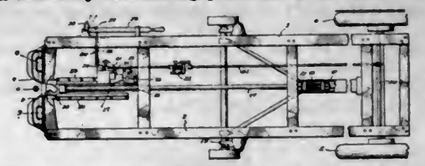
2,135,205

TRACTOR-TRAILER COMBINATION

William H. Wilson, Detroit, Mich.

Application December 9, 1937, Serial No. 178,853
15 Claims. (Cl. 280—33.1)

14. In a semi-trailer for use with a tractor having a king pin, a longitudinal guide-way opening at the forward end of the trailer and adapted to receive the king pin and having laterally offset portions connected by a laterally extending portion, a service member on the semi-trailer shiftable along the guide-way and having king pin engaging means constructed to receive and release the king pin as it moves laterally through said laterally extending portion of the guide-way



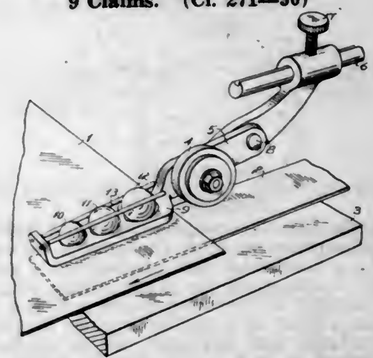
for shift of the service member by the king pin and draft coupling means for engaging the king pin.

2,135,206

MULTIPLE BALL CONTROL

Headley Townsend Backhouse, London, England

Application January 16, 1936, Serial No. 59,439
In Great Britain July 2, 1935
9 Claims. (Cl. 271—50)



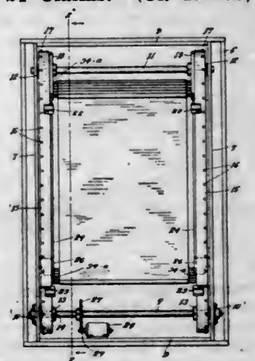
1. A ball control for sheet feeding machines adapted to cooperate with moving means for producing travel of sheets thereover while permitting adjusting movement of the sheet in its own plane, comprising a ball cage, a plurality of balls therein, said cage being mounted above the feed-way of the sheets, and means for adjusting the cage in such manner as to subject a sheet passing therebeneath to greater or lesser ball pressure for the said sheet adjusting movement.

2,135,207

ADVERTISING OR DISPLAY APPARATUS

John R. Bramer, Brooklyn, N. Y.

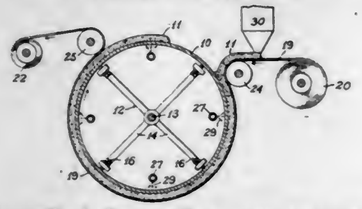
Application December 5, 1936, Serial No. 114,423
24 Claims. (Cl. 40—36)



1. An apparatus of the character described adapted to display a series of independent panels

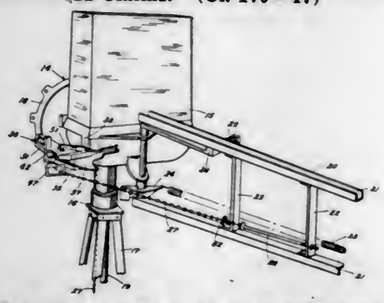
and having inclined means for successively supporting said panels, endless traveling carriers at opposite margins of the panels adapted to retain the said panels upon said inclined supporting means, and means on said carriers for removing the front panel and transferring the same in an inverted position upon said supporting means and at the back of the series.

2,135,208
METHOD AND APPARATUS FOR COATING AND PROTECTING METALLIC OBJECTS SUCH AS PIPES, TANKS, AND THE LIKE FROM CORROSION OR OTHER INJURY
Ulric B. Bray, Palos Verdes Estates, and Maynard S. Reynolds, San Pedro, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application May 21, 1935, Serial No. 22,514
5 Claims. (Cl. 91—54)



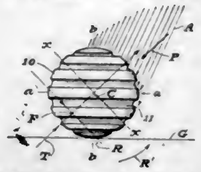
4. A method for coating pipe and the like which comprises rotating the pipe to be coated while in a horizontal position, moving a flexible element substantially in juxtaposition with the lower portion of the outer surface of the pipe, applying a layer of a heated mixture of bituminous material and aggregate to the surface of said element to coat simultaneously substantially the entire length of the pipe to be coated, said heated mixture of bituminous material and aggregate being applied to said element immediately prior to its coming in juxtaposition with said pipe surface, compacting said mixture after it has come in contact with the pipe surface, cooling said mixture and subsequently removing the flexible element from the mixture thus compacted on the pipe.

2,135,209
LATCH
William N. Edwards, White Deer, Tex.
Application September 18, 1937, Serial No. 164,516
11 Claims. (Cl. 170—47)



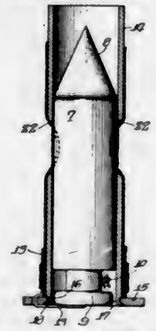
1. Latch means adapted to be associated with a pivoted vane, said means comprising a latch member pivotally mounted adjacent the path of pivotal movement of the vane, resilient means urging the latch member to pivotal movement into said path, a lever pivotally mounted adjacent and normally holding the latch member out of the path of the vane, means on the latch member for engaging the vane, means for actuating the lever to release the latch member into engagement with the vane, and means to release the vane from such engagement.

2,135,210
GOLF BALL
John R. Farrar, Cleveland, Ohio
Application March 13, 1937, Serial No. 130,729
3 Claims. (Cl. 273—62)



1. A golf ball having surface markings substantially solely in the form of alternate parallel ribs and grooves extending continuously around the ball and having their boundaries defined by true circles, the centers of which all lie on a common axis of the ball, wherefore when the ball is spinning about said axis the air resistance to the rotation of the ball will be substantially the same as in a smooth or unmarked ball.

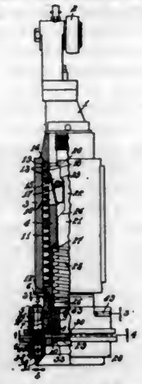
2,135,211
PLUMB BOB
Martin E. Johnson, Chicago, Ill., assignor of one-half to Ira J. Wilson, Winnetka, Ill.
Application December 2, 1937, Serial No. 177,657
9 Claims. (Cl. 33—217)



1. A plumb bob comprising a tubular member adapted to serve as a reel for the line, a bob proportioned to telescope within said tube, and means mounted on the tube for rotation about an axis coincident with the longitudinal axis of the tube for taking up and holding the slack in the line between the bob and the tube.

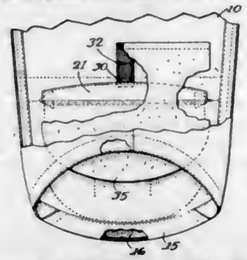
2,135,212
CROWN REST FOR BOTTLE CROWNING MACHINES
James Kantor, Chicago, Ill., assignor to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware
Application October 11, 1935, Serial No. 44,528
8 Claims. (Cl. 226—84)

1. In a receptacle crowner, the combination with a reciprocating crimper, of a plunger associated with said crimper movable with and relatively thereto for initially engaging the crown and holding the same in position upon the receptacle, and a crown rest adapted to receive and support a crown below said plunger and crimper



and movable relatively to said crimper by engagement with the receptacle to be crowned.

2,135,213
ATHLETIC PANTS
Michael Luery, Wabash, Ind., and Ernest Beler, Chicago, Ill., assignors, by mesne assignments, to Wilson Sporting Goods Company, a corporation of Maine
Application October 29, 1936, Serial No. 108,202
8 Claims. (Cl. 2—23)

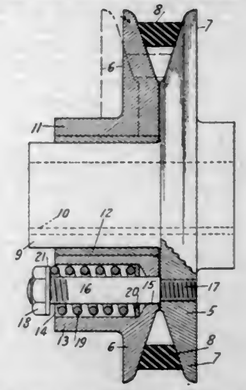


1. Pants comprising a pair of sections, an expansible and collapsible knee gusset connected to said sections, a pad secured to one of said sections and extending back of said gusset when said gusset is expanded, and elastic means connecting an intermediate part of said gusset to the rear of one of said sections for collapsing said gusset behind said sections.

2,135,214
SELF-ADJUSTING PULLEY
Fred W. Moore, Dayton, Ohio, assignor to National Pumps Corporation, Dayton, Ohio, a corporation of Ohio
Application September 13, 1937, Serial No. 163,614
1 Claim. (Cl. 74—230.17)

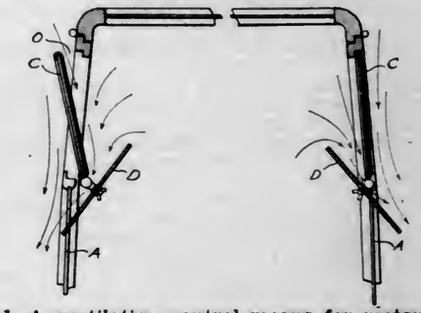
A self-adjusting pulley comprising opposed disks having their adjacent peripheral portions beveled to provide the pulley with a substantially V-shaped groove, one of said disks having an elongated hub and the second disk having a hub projecting a substantial distance beyond the outer side thereof and slidably mounted on the first mentioned hub, said second disk having a plurality of bosses extending therefrom to points adjacent the outer end of its hub and also having openings extending therethrough and through the respective bosses, the outer portions of said openings being of relatively large size to form

pockets, studs secured to the first mentioned disk and extending through said openings, each stud having at its outer end a part forming a



stop, and springs mounted within said pockets and confined between the inner ends thereof and the respective stops.

2,135,215
VENTILATION-CONTROL MEANS FOR MOTOR VEHICLES
William O. Normandin, Los Angeles, Calif.
Application January 25, 1937, Serial No. 122,125
12 Claims. (Cl. 296—44)

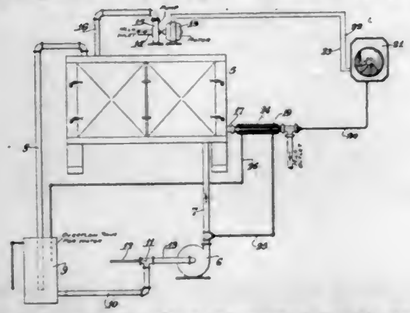


1. A ventilation control means for motor vehicles, comprising a pair of permanently connected transparent wings, one of which is adapted to be mounted in a window opening of a motor vehicle body on a vertical axis located between the front and rear edges of the wing to permit free movement of said edges into and out of said opening, and the other of which is wholly supported on said first mentioned wing, said first mentioned wing forming a closure for the opening, and said second mentioned wing being adjustable on the first mentioned wing for permitting the closing thereof at will.

2,135,216
TEMPERATURE-CONTROL SYSTEM FOR PASTEURIZERS
Raymond E. Olson, Pittsford, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application May 8, 1937, Serial No. 141,487
2 Claims. (Cl. 238—18)

1. In combination, a heat exchanger having a first passage therethru for a heating medium which is normally maintained at a given temperature and a second passage in heat exchange

relation with said first passage for a liquid to be heated, said second passage communicating with a discharge pipe located externally of said heater, a recirculating circuit for said medium including said first passage, means for causing said liquid to flow thru said second passage and said discharge pipe, regulating mechanism for stopping said means when the temperature of said liquid is below a predetermined value and



for starting said means when said liquid reaches said predetermined value, said mechanism including a thermosensitive element located in said pipe in a position to be responsive to the temperature of said liquid, and means including a branch of said recirculating circuit for maintaining the liquid in said discharge pipe at approximately the temperature of the liquid in said heat exchanger.

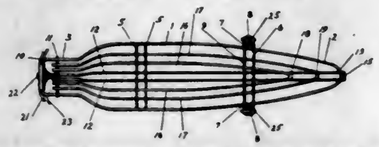
2,135,217

LUGGAGE CARRIER FOR BICYCLES AND THE LIKE

Ewald F. Pawsat, Maysville, Ky., assignor to Wald Manufacturing Company, Incorporated, a corporation of Kentucky

Application September 9, 1936, Serial No. 99,951

1 Claim. (Cl. 224—39)



A luggage carrier of the type specified comprising a continuous wire frame of substantially oval shape, the front end of said frame being curved downwardly and terminating in a substantially rectangular section having a straight transverse end, cross wires secured to the under side of the oval portion of said frame, one of said cross wires being formed with depending eyes, a cross wire secured to the under side of the rectangular front of said frame parallel with the end section thereof, a double bent wire disposed substantially along the longitudinal axis of said frame and secured to the upper sides of said cross wires, the rear end of said doubled wire extending under and being secured to the rear end of said frame, the front ends of said doubled wire being curved downwardly to correspond with the front portion of said frame, wires secured to the tops of said cross wires within said frame and conforming in shape substantially therewith, said last named wires being secured at the rear to the upper side of said doubled wire, and the front ends of said last named wires being curved downwardly to conform with the front portion of said frame, a clamping member pivotally secured to the front transverse end of said frame, a cooperating clamp element whereby said first clamp element may be secured to the frame of a bicycle, and standards secured in said eyes and adapted to be secured on rear axle of said bicycle, whereby the device is supported over the rear wheel thereof.

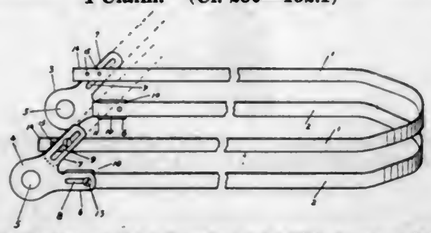
2,135,218

SUPPORT FOR MUDGUARDS

Ewald F. Pawsat, Maysville, Ky., assignor to Wald Manufacturing Company, Incorporated, a corporation of Kentucky

Application March 6, 1937, Serial No. 129,406

1 Claim. (Cl. 280—152.1)



A device of the character specified comprising a pair of brackets, a pair of slotted arms on each of said brackets, flanges on the lower arms of each bracket to form channels therewith, a pair of U-shaped standards, the ends of the legs of one of said standards being arranged to slide respectively in the channels in said lower arms, a threaded perforation in each leg of said standard near its end, set screws arranged to screw into said perforations through the slots in said lower arms, a pair of threaded perforations in each leg of the other standard near its end, the displacement of said perforations being less than the length of the slots in the upper arms, and a pair of set screws arranged to screw into the perforations in each leg through the slots in said upper arms.

2,135,219

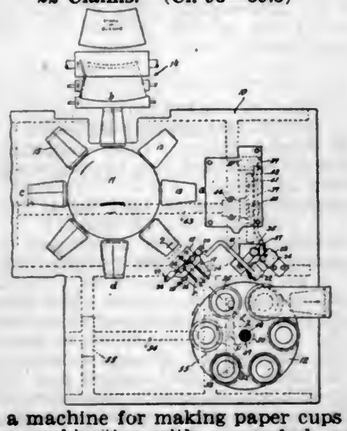
RECEPTACLE-MAKING MACHINE

James D. Reifsnyder, Flushing, N. Y., assignor to Lily Tulip Cup Corporation, New York, N. Y., a corporation of Delaware

Application January 6, 1936, Serial No. 57,646

Renewed December 2, 1937

22 Claims. (Cl. 93—39.3)



1. In a machine for making paper cups or the like, the combination with a mandrel useful in the formation of a cup and having an air passage through which a blast of air is delivered to discharge a cup therefrom, of means provided with a seat adapted to receive the cup as formed on said mandrel, and means for delivering a cup discharged from said mandrel to said seat, said means comprising a pivoted arm, a cup holder having separable members carried by said pivoted arm, means for oscillating said pivoted arm to bring said cup holder into position for receiving a cup discharged from said mandrel and to bring said cup holder into position over said seat, and means to operate the separable members of said cup holder to discharge the cup carried by the cup holder into said seat.

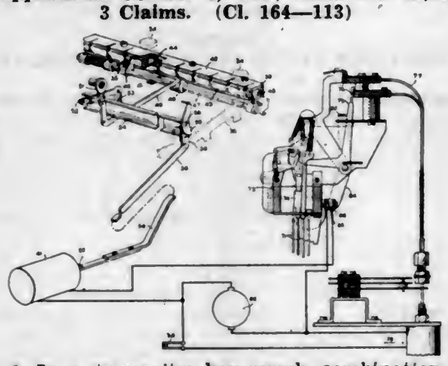
2,135,220

TYPEWRITER PUNCH COMBINATION

Edwin Roggenstein, Ilion, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware

Application October 3, 1935, Serial No. 43,289

3 Claims. (Cl. 164—113)



1. In a typewriter-key-punch combination, a typewriter having keys, key levers and types, key contacts, and a key locking mechanism, said key punch having a carriage member containing mechanism for causing the punching of data cards, magnets for the operation of said punching mechanism and escapement mechanism and bail, and a synchronizing mechanism comprising contacts on said carriage operable from said escapement bail and a magnet connected to said contacts and adapted to operate said key-locking mechanism to prevent the operation of another typewriter key during setting and spacing operations of said carriage.

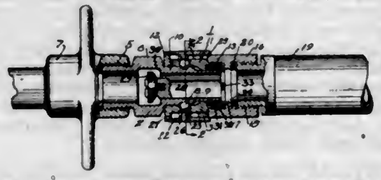
2,135,221

COUPLING

Albert T. Scheiwer, Erie, Pa.

Application January 6, 1936, Serial No. 57,712

4 Claims. (Cl. 284—19)



1. A tubular coupling comprising a male member having a connecting portion with a peripheral groove, a valve member disposed in said male member to provide a seal therefor, a female member comprising a tubular section, a washer disposed in said female member for surrounding the connecting portion of said male member, a radially projecting portion internally of said female member engaging said valve member upon connection of said male and female members to permit the free flow of fluid therein, a collar on the end of said tubular section, and a sleeve held by said collar and surrounding said tubular section for normally holding said ball members in said groove on said male member to secure said male and female members together.

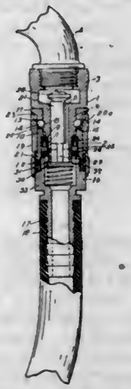
2,135,222

COUPLING

Albert T. Scheiwer, Erie, Pa.

Application February 4, 1936, Serial No. 62,251

7 Claims. (Cl. 284—19)



1. A tubular coupling comprising a male member having a connecting portion with a peripheral groove, a female member for receiving the connecting portion of said male member, ball locking means disposed in said female member for engaging said groove in said male member, means disposed in said female member for sealing the end of said connecting portion when said members are connected together and for providing a seating surface, a connecting member secured to said female member to permit the free removal of said last mentioned means, and a valve member in the female member disposed to seat on said last mentioned means when said coupling is disconnected to seal the opening therein, said valve member being movable longitudinally by the connecting portion of said male member when said male and female members are connected together to unseal the opening in the female member.

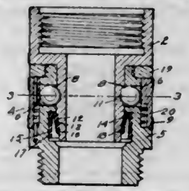
2,135,223

COUPLING

Albert T. Scheiwer, Erie, Pa.

Application March 22, 1937, Serial No. 132,187

8 Claims. (Cl. 285—96)



1. A coupling comprising a grooved male member having a tapered portion, and a female member comprising a shell, ball members disposed therein for engaging the groove in said male member to secure said male and female members together, a sleeve surrounding said shell for normally holding said ball members in engagement with the said groove of said male member but

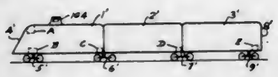
permitting their release upon movement thereof, an annular member disposed on said shell for maintaining said sleeve in position on said shell, and an annular washer, U-shaped in cross-section, the internal wall of which is tapered and engageable with said tapered portion on said male member.

2,135,224

METHOD AND APPARATUS FOR MAINTAINING ADJACENT RAILWAY CARS ON A LEVEL PLANE—ELECTRIC MOTOR CONTROL

Theodore H. Schoepf and David M. Ritchie, Cincinnati, Ohio, assignors to The Cincinnati Traction Bldg. Company, Cincinnati, Ohio, a corporation of Ohio

Application January 24, 1935, Serial No. 3,346
12 Claims. (Cl. 105—199)



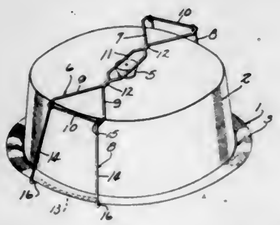
9. In combination in a train of cars, resisting means on each car for resisting any side tipping movement thereof, a gravity operated device mounted on the forward car of the train, and power transmitting connections from said device to the tipping-resisting means on each car, whereby upon operation of said device upon the tipping of the forward car the tipping-resisting means of the other cars in the train are operated to control the tipping movements of said other cars.

2,135,225

PORTABLE CONTAINER

Alexander C. Sladky, Milwaukee, Wis., assignor to Geuder Paeschke & Frey Co., Milwaukee, Wis., a corporation of Wisconsin

Application October 7, 1935, Serial No. 43,826
6 Claims. (Cl. 220—55)



1. A portable food container comprising a base, removable cover means therefor, a resilient handle extending across and bearing upon the cover means, and hangers pivoted to the ends of the handle and having grippers at their lower ends engageable with the base, said handle flexing against its bearing upon said cover to maintain said grippers in engagement with said base.

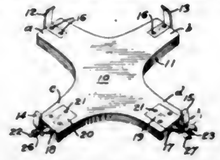
2,135,226

RACKET HOLDER

Frederick F. Sprow, San Francisco, Calif.

Application February 24, 1937, Serial No. 127,415
6 Claims. (Cl. 273—74)

1. A holder for rackets comprising a baseboard adapted for receiving one face of a racket in relatively overlying relation, gripping members mounted at the four quadrants of the baseboard and extending therefrom in a direction perpendicular to the plane thereof and each including means spaced from the baseboard for engaging



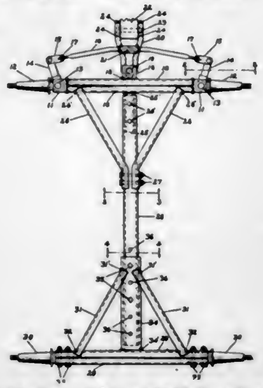
the racket hoop at its opposite face, a portion of said gripping members being movably mounted for movement substantially radially inwardly and outwardly relative to the baseboard, and means for clamping said movable gripping member against the hoop of a racket in the holder.

2,135,227

STEEL FARM TRUCK CHANNEL IRON REACH

Daniel W. Voorhees, Peru, Ill.

Application August 29, 1936, Serial No. 98,555
1 Claim. (Cl. 280—142)



In a steel farm truck, a steel front axle having pintle forks, axle spindles pivotally mounted in said forks, a pole hound pivotally mounted on said axle, means to pivotally connect the axle spindles with the pole hound, a relatively short channel form reach post secured to and projecting rearwardly from the front axle, structural steel axle hounds welded to the front axle, a steel rear axle with axle spindles bolted thereto, a channel form reach post secured to and projecting forwardly from the rear axle, structural steel rear hounds welded to the rear axle and to the rear axle reach post, a main channel form reach member adapted to telescope with and boltable to the front axle reach post, and adapted to telescope within the rear axle reach post and to be adjustably bolted thereto, said front hounds having rear end portions to fit against opposite sides of the main reach member and to be attached thereto by bolts extending transversely through said main reach member.

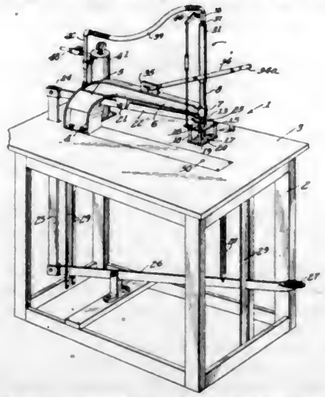
2,135,228

METHOD AND APPARATUS FOR MARKING FABRICS

Walter G. Wolkan, Cincinnati, Ohio

Application October 31, 1936, Serial No. 108,632
12 Claims. (Cl. 33—17)

5. A fabric marking machine comprising a support for the fabric to be marked, a head for clamping said fabric against said support, a hollow needle movable relative to said head and support to penetrate said fabric, and means for introducing fluid under pressure to said needle.



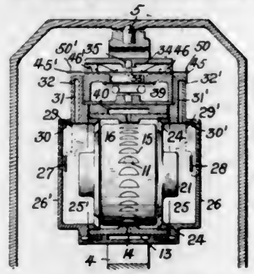
8. The method of marking a group of superposed layers of fabric which comprises placing the fabric on a support, clamping a localized area of the fabric against the support, piercing the localized area with a sharp pointed instrument to form an opening therein, and filling the opening with a fluid-like marking medium.

2,135,229

GYRO MAGNETIC COMPASS

Mortimer F. Bates, Brooklyn, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application November 16, 1933, Serial No. 698,263
12 Claims. (Cl. 33—222)



8. In a gyro-magnetic compass, the combination with a directional gyroscope and a magnetic element pivotally mounted thereon, of an air jet on said element and rotatable therewith, shutter means on said gyroscope, a source of power differentially controlled by said shutter means, said jet impinging said shutter means to control the source of power to exert precessing torques on the gyroscope without reacting on said magnetic element.

2,135,230

RAILWAY AMUSEMENT APPARATUS

John F. Courtney, Florence, S. C., assignor of one-half to Heyward S. Dennis, Augusta, Ga.

Application December 22, 1937, Serial No. 181,231
11 Claims. (Cl. 104—76)

1. A railway amusement apparatus, comprising a generally elliptical track including upper and lower runs of substantial length and curved ends connecting the upper and lower runs so that corresponding surfaces of the runs are inverted with relation to each other, a car, means to mount the car upon the track to travel longitudinally thereof and hold the car against turning movement with relation to the track so that the car is inverted when passing from the lower run to the upper run, a passenger supporting element pivotally mounted upon the car, means for holding the passenger upon the passenger supporting



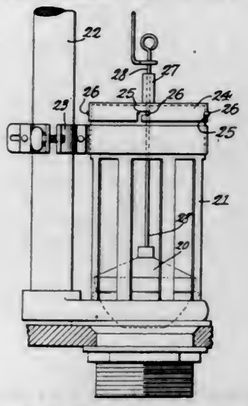
element when it is inverted, and means to cause the car and passenger supporting element to turn as a unit during the inverting movement while traveling from the lower run to the upper run upon the curved end so that the car and passenger supporting element both approach the inverted position and then to release the passenger supporting element so that it may drop to the upright position.

2,135,231

ATTACHMENT FOR FLUSH-TANK VALVES

Eugene S. David, Jacksonville, Tex., assignor of one-half to Reginald L. Alexander, Jacksonville, Tex.

Application April 10, 1937, Serial No. 136,205
3 Claims. (Cl. 4—57)



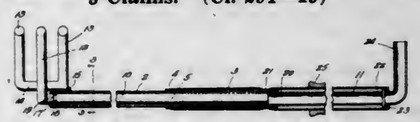
1. A flush tank valve comprising a ball valve including a rod, a seat for the ball valve, a housing extending above the valve seat, a cover for the housing and having an opening through which the rod extends, an annular flange depending from the cover and having bayonet slots, pins extending from the housing and adapted to extend into the bayonet slots removably securing the cover to the housing, and said housing adapted to hold the ball valve in direct alignment with the valve seat.

2,135,232

RETRIEVER

George J. Dawn, Waukegan, Ill.

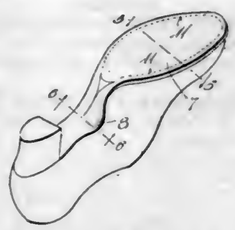
Application July 20, 1937, Serial No. 154,646
5 Claims. (Cl. 294—19)



1. A device of the character described comprising a tubular handle formed of companion sec-

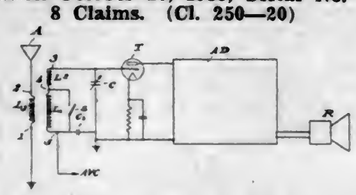
tions, the said sections being in telescoping engagement with each other, a shaft extending longitudinally through said handle and having companion sections in telescoping engagement with each other and with the forward portion of a section of the shaft fitting snugly about the rear portion of a section in front of the same in frictionally gripping engagement therewith, the rear end of the rear section being projected from the rear end of the rear handle section and bent to form a turning member, the front end of the forward shaft section being projected forwardly from the front handle section and bent to provide a movable member extending laterally of the shaft and handle, and a stationary member carried by the front end of the forward handle section in cooperating relation to the movable member.

2,135,233
SHOE
Warren L. Delaney, Lewiston, Maine
Application July 9, 1936, Serial No. 89,835
2 Claims. (Cl. 12—142)



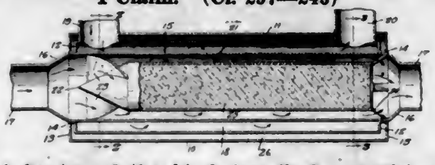
1. The method of making a shoe comprising providing an inner sole and an upper, assembling them on a last, lasting the upper and attaching its margin to the inner sole margin, providing an outer sole having a shank portion with an offset on its inner side, pre-molding the offset to conform to the arch of the shoe, laying the outer sole with the pre-molded offset on the upper, securing the outer sole to the upper and comprising permanently cementing the shank portion and offset of the outer sole to the upper.

2,135,234
DUAL BAND ANTENNA TRANSFORMER
John V. Fill, Chicago, Ill., assignor to Ferrocart Corporation of America, New York, N. Y., a corporation of Delaware
Application October 10, 1935, Serial No. 44,444
8 Claims. (Cl. 250—20)



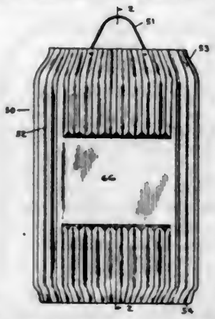
1. In a radio receiver adapted to be operated over a pair of frequency ranges, an antenna transformer comprising an air core antenna coil, a pair of serially connected secondary coils spaced at different distances from said antenna coil, a core of magnetic material in substantially fixed position axially spaced from said antenna coil and in the field of said secondary coils, and switch means for short circuiting the secondary coil more remote from said antenna coil.

2,135,235
AIR HEATER
Edwin Hurford and Richard Johnson, Detroit, Mich.
Application July 7, 1936, Serial No. 89,396
1 Claim. (Cl. 257—243)



A heater of the kind described comprising a cylindrical body having an internal lining spaced therefrom and forming a dead air space therebetween, a drum fitted centrally within the body and having the lining concentrically spaced therefrom to form an air circulating course, a tubular shell having an outwardly tapered pointed tip and disposed within said drum and spaced from the inner surface of the drum, an air inlet pipe having tangential connection with said air course at one end thereof, whereby air entering the course through the inlet pipe will pass through the course in one spiral direction, means for connecting said shell to an exhaust of an internal combustion engine at the end adjacent the air inlet pipe, vanes secured to said tip for imparting to the exhaust a spiral movement opposite to that of the air in the air course, and outlet means for the air and the exhaust at the other end of the shell and air course.

2,135,236
PLAITED ARTICLE
Morris Koppelman, Brooklyn, N. Y.
Application December 16, 1933, Serial No. 702,668
3 Claims. (Cl. 229—90)

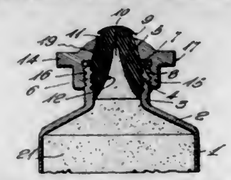


3. A bottle packing unit of flexible but relatively resistant material comprising a jacket-like member having portions of its entire area provided with substantially parallel plaits extending between opposite edges of the jacket, certain of said plaits being of less extent than contiguous plaits for affording flat portions for accommodating indicia therebetween.

2,135,237
CLOSURE FOR CONTAINERS
Helen P. Lewis and Walter S. Lewis, Idylwood, Va.
Application May 7, 1938, Serial No. 206,669
12 Claims. (Cl. 221—60)

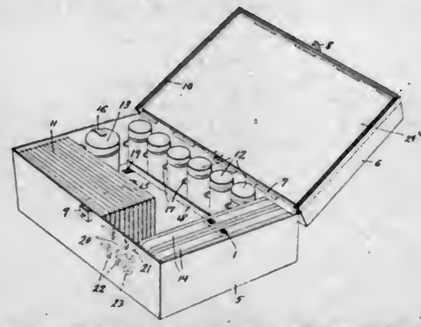
1. A closure for containers comprising in combination with a collapsible tube-like container having a threaded neck, a rotatable member engaged with the screw threads of the neck of said container having an opening therein aligned with

the threaded neck of said container, an insertable member engageable internally of the neck of the container, said insertable member being slitted in one end for receiving through a hollow bore material from said container, the side portions



of said insertable member being shaped to coact with complementary shaped faces in the opening of said rotatable member whereby the slitted portion of said insertable member may be forced to closed position.

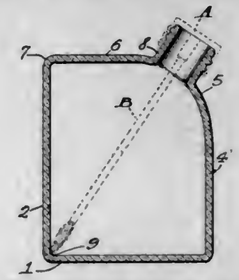
2,135,238
FIRST-AID KIT
Joseph Malik, Cicero, Ill., assignor of ten per cent to Edward Zinny, Cicero, Ill.
Application July 20, 1937, Serial No. 154,670
1 Claim. (Cl. 206—12)



A first-aid kit comprising a substantially rectangular shaped box open at the upper end thereof, a cover hinged on the box for opening and closing the latter and having a depth to prevent the top wall thereof from contacting the upper ends of the receptacles arranged in standing position along a wall of the box and within the latter when said cover is positioned to close the box with overlapping relation with the upper edges of certain walls of the box, spring clips arranged in a horizontal plane with each other and secured on a wall of the box to receive and grip the receptacles a limited distance below the upper ends of the receptacles, a strip engageable with the receptacles from the lower ends of the latter upwardly for a selected distance to cooperate with the clips in retaining the receptacles from accidentally moving in the box, and hinges connecting the strip on the bottom of the box whereby said strip may be positioned out of engagement with the receptacles to permit removal of the latter from the clips and to rest on the bottom of the box.

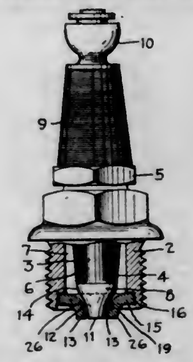
2,135,239
BOTTLE
Robert A. Patterson, Baltimore, Md., assignor to Carr-Lowrey Glass Co., Baltimore, Md.
Application September 3, 1936, Serial No. 99,277
1 Claim. (Cl. 215—1)

A bottle for liquid having a rounded shoulder joining the top and one side, a flat main base joined to said side and a flat supplemental base extending from the top and joined to one end of the main base at right angles thereto to form a corner angle, and a neck extending from the rounded shoulder with its axis extending to and bisecting the said corner angle, the inner end of the opening in the neck having all portions



located where lines located wholly within the bottle and perpendicular to the respective bases, will intersect the same and the opening in said neck also being positioned so that the lowermost portion of the surface of the inner end of the opening is in line with the supporting base of the bottle when said bottle is mounted on either base.

2,135,240
SPARK PLUG
George M. Paulson, New York, N. Y., assignor to The B. G. Corporation, New York, N. Y., a corporation of New York
Application September 12, 1932, Serial No. 632,745
10 Claims. (Cl. 123—169)



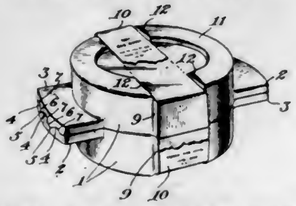
1. A spark-plug having a shell, a downwardly tapering central electrode, and a set of massive prongs united with the lower end of the shell and constituting ground electrodes, said ground electrodes extending inward from the shell and being directed steeply downward around the central electrode and so formed that their inner side surfaces substantially follow the lines of the sides of the central electrode, so that there is a deep and large spark gap surface area between the central and ground electrodes, with a large section in the ground electrodes to carry off heat into the shell, the ground electrodes being adjustable by deflecting their downturned portions inwardly, so that in such adjustment the large spark gap surface area may be maintained, said ground electrodes being formed in a baffle which is cut out between the prongs, the periphery of said baffle being united to the shell by a fused, heat-conducting bond.

2,135,241
HARROW OR DRAG LIFT
Hugh Richardson, Nelson, Mo.
Application October 27, 1937, Serial No. 171,302
4 Claims. (Cl. 55—34)



1. The combination with a harrow or drag including a frame and toothed bars in the frame, of a segment mounted for free rotation on one of the bars, a combined nose and counterbalance projecting from one end of the segment at the base thereof, said segment being positioned normally with its base lowermost and with the nose extended in the direction of travel of the harrow, a lever mounted for movement upon the axis of the bar and laterally toward and from the segment, ratchet teeth on the segment for engagement with the lever, yielding means for holding the lever normally in engagement with the teeth of the segment and normally in an upwardly extended position to hold the segment and lever against free rotation, and means for actuating said lever to move the segment about the axis of the bar and bring the nose into contact with the soil.

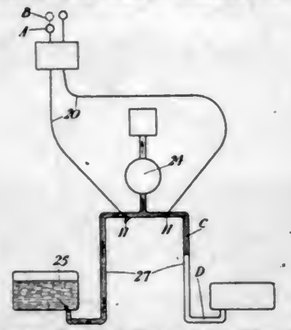
2,135,242
COMBINATION PACKAGE
Frasier Smith, Wheeling, W. Va., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application March 10, 1937, Serial No. 130,159
5 Claims. (Cl. 206—46)



1. A package consisting of two substantially identical ash trays, one inverted upon the other to form a completely closed container for merchandise, said ash trays having cigarette rests on diametrically opposed portions of the periphery thereof, the cigarette rest of each tray being complementary to each other and interfitting snugly with the cigarette rests of the other tray, and band-like means encircling the two trays for holding them together.

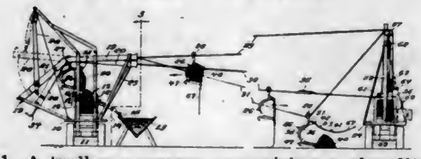
2,135,243
FUEL FEED SYSTEM FOR INTERNAL COMBUSTION ENGINES
Frank Edward Swain, Ewell, England, assignor of one-half to Kevitt Rotherham, Coventry, England
Application November 26, 1937, Serial No. 176,708
In Great Britain November 11, 1936
4 Claims. (Cl. 158—36)

1. For an internal-combustion engine, a fuel-feed system including a fuel pump, at least two fuel reservoirs preferably of different capacities and normally disposed at a level below that of the fuel pump, and automatic valves in the respective connections of the fuel reservoirs to the fuel pump, each of said valves comprising a movable member exposed at one side to the fuel pump suction and biased to the closed position, and a pressure-responsive means connected to



said valve member, at the other side, the effective area of said pressure-responsive means being greater than the effective area of said valve member, both valve members being exposed simultaneously to the suction of the fuel pump and disposed relatively to the fuel pump suction to both open in the direction of such suction.

2,135,244
TROLLEY CONVEYER
Toku Uyehara, Paauilo, Territory of Hawaii
Application March 29, 1938, Serial No. 198,768
2 Claims. (Cl. 214—86)

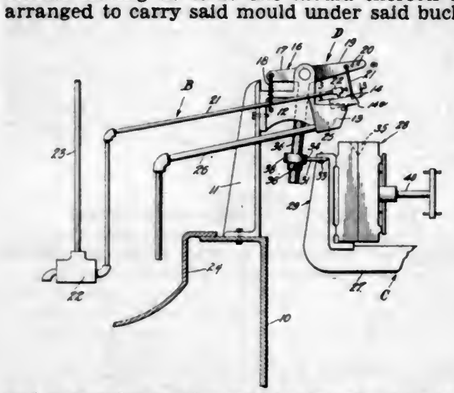


1. A trolley conveyer comprising a plurality of cables, portable supports for the ends of the cables permitting the trolley conveyer being moved bodily along the field while engaged in harvesting or other work, a track on one of the supports connected to a respective one of the cables and having a downwardly extending rear end, a track on the last named support connected to another one of the cables and having a hinged rear end terminating in a hook, aerial forks for collecting bundles of grain or other material having trolley wheels engageable with said cables, the downwardly directed rear end of one of the tracks permitting of an aerial fork gravitating to the ground to be retrieved and placed on the fork of the hinged rear end of the other track, means for elevating said hinged end with an empty fork thereon for return to the respective cable for transportation to the field to be loaded, a chute disposed below said tracks, and means on the chute for operating a loaded aerial fork to deposit its load on the chute.

2,135,245
CASTING MACHINE
Alvy C. Yerkey, Maywood, Ill.
Application April 30, 1937, Serial No. 140,012
9 Claims. (Cl. 22—77)

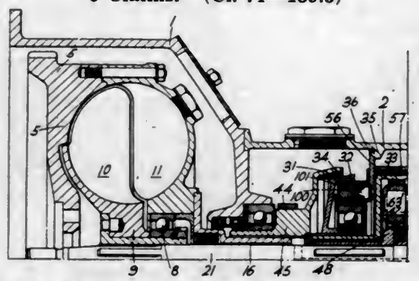
1. A casting machine of the character set forth comprising: a frame, a pouring bucket pivotally mounted on said frame, pipe means for delivering molten metal into said bucket, a spillway for catching overflow metal from said bucket and

delivering it back to its source, a rotary mould carrier having at least one mould thereon and arranged to carry said mould under said bucket,



and means for moving said bucket about its pivot to pour molten metal into the mould as the mould is brought under the bucket.

2,135,246
VARIABLE SPEED GEARING
Joseph Yoxall, Deganwy, North Wales, assignor to Propello Inventions Limited, London, England, a British company
Application May 13, 1936, Serial No. 79,555
In Great Britain May 15, 1935
6 Claims. (Cl. 74—189.5)

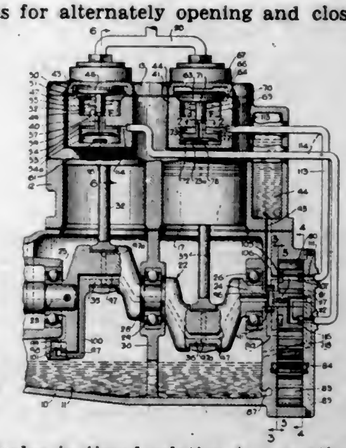


1. Variable-speed transmission gear for automobiles comprising in combination an input shaft, an output shaft, a hydraulic coupling having an element connected to said input shaft, a series of compounded epicyclic trains, clutching means arranged between a pair of adjacent trains, a further clutching means arranged between a train and an element of the hydraulic coupling, and braking means applicable to an element of at least one train and to at least one of the clutching means.

2,135,247
COMPRESSOR VALVE CONTROL
Burton S. Aikman, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application May 26, 1936, Serial No. 81,861
7 Claims. (Cl. 230—29)

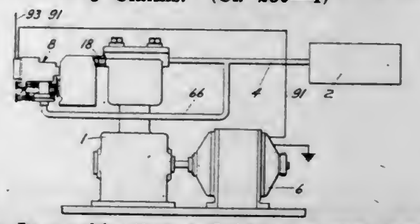
1. In a fluid compressor, in combination, an inlet valve, a pressure lubricating system for said compressor, yielding means for biasing said inlet valve open, pressure actuated means operable for closing said inlet valve, and means associated with said lubricating system and operated according to the speed of the compressor to periodically supply and release lubricant under pressure to and from said pressure actuated

means for alternately opening and closing said



inlet valve in timed relation to operation of the compressor.

2,135,248
COMPRESSOR CONTROL
Burton S. Aikman, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application May 26, 1936, Serial No. 81,862
3 Claims. (Cl. 230—4)

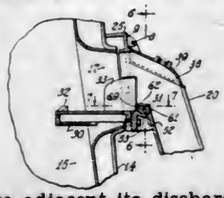


1. In combination, a fluid compressor having an intake passage through which fluid is supplied to the compressor, valve means controlling the supply of fluid to said intake passage, driving means for the compressor, means responsive to the pressure of the fluid in said intake passage and controlling the driving means, said means comprising a control member movable between a cut-in position in which the driving means is conditioned to drive the compressor and a cut-out position in which the driving means is conditioned not to drive the compressor, an abutment subject to and operated on a predetermined increase in the pressure of the fluid compressed by the compressor for operating the valve means to cut off the supply of fluid to the intake passage, and latch means associated with said abutment for maintaining the control member in the cut-out position.

2,135,249
DISTRIBUTOR HEAD FOR STOKERS
Howard P. Anderson, deceased, late of Erie, Pa., by Bernadine Anderson, executrix, Dallas, Tex., assignor, by mesne assignments, to The Standard Stoker Company, Inc., a corporation of Delaware
Original application March 28, 1933, Serial No. 663,131. Divided and this application April 17, 1937, Serial No. 137,470
10 Claims. (Cl. 110—104)

1. In a firebox having a firing opening in an upstanding wall thereof, a stoker comprising a fuel feed casing having a fuel discharge opening in substantial register with said firing opening,

said casing having a transversely extending arcuate-shaped depression formed in its lower interior surface adjacent its discharge opening, a pressure fluid distributor head seated in said depression, said head having a complementary curved surface permitting said head to be rotated in said depression about a transverse axis.

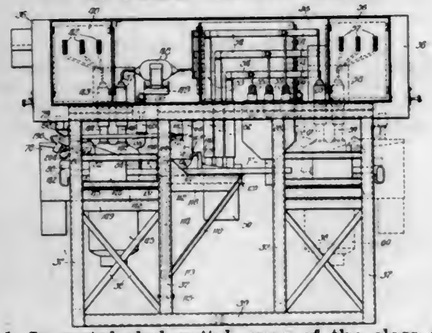


2,135,250

METAL-CLAD SWITCH-GEAR STRUCTURE

Fred H. Cole, Oak Park, Ill., assignor to Delta-Star Electric Company, Chicago, Ill., a corporation of Illinois

Application May 27, 1935, Serial No. 23,627
23 Claims. (Cl. 175—298)



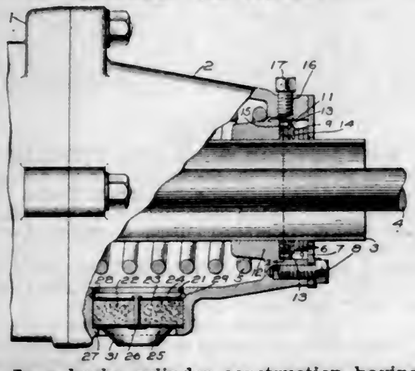
1. In metal-clad switch gear of the class described, a main bus, a transfer bus, a feeder circuit, means including a main circuit breaker and a regulator circuit breaker for connecting said main bus to said feeder circuit, and means providing for conjoint vertical movement of said regulator breaker and said main breaker.

2,135,251

SEALING AND LUBRICATING DEVICE

Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application August 24, 1935, Serial No. 37,707
8 Claims. (Cl. 286—27)



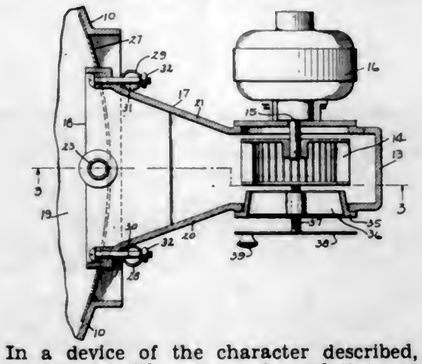
1. In a brake cylinder construction having a non-pressure head and a piston stem extending through an opening in said head, packing and lubricating means comprising a split ring having a sliding engagement with said stem, a lubricant distributing ring in said head, and means for preventing longitudinal movement of said rings with respect to said non-pressure head comprising a retaining member having an annular body portion surrounding said lubricant distributing ring and provided with resilient inwardly extending lugs or fingers positioned between said lubricant distributing ring and said split ring and pressing against said split ring.

2,135,252

FURNACE BLOWER MOUNTING

Ray Grover, Milwaukee, Wis.

Application November 6, 1935, Serial No. 48,488
1 Claim. (Cl. 285—25)



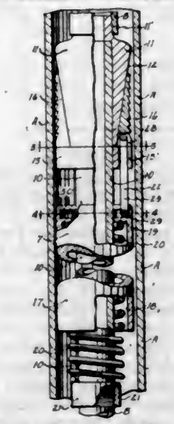
In a device of the character described, the combination with a tapered conduit to extend into and be supported by the margins of an opening in a plate, said conduit being apertured vertically and centrally, of a brace extended through said aperture to span the opening and abut one face of the plate, and side braces at each side of the tapered conduit, and of sufficient length to abut the other face of the plate, said side braces being adjustably connected with said conduit to clampingly engage said conduit and plate.

2,135,253

WELL TUBING CATCHER

Samuel Allen Guiberson, III, Dallas, Tex., assignor to The Guiberson Corporation, Dallas, Tex., a corporation of Delaware

Application July 8, 1935, Serial No. 30,291
8 Claims. (Cl. 103—219)



1. A tubing catcher including, a support, gripping slips mounted on the support and arranged to be expanded radially to grip the well casing, a weight slidably mounted on the support, and a link for connecting each slip with the weight and having cross arms at its upper and lower ends, the lower end of each slip having a groove for receiving the upper cross arm of the link and the upper end of the weight being provided with an annular groove for receiving the lower cross arm, whereby the slips are connected to said weight.

2,135,254

COPPER ALLOYS

Franz R. Hensel and Earl I. Larsen, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware

No Drawing. Original application September 15, 1937, Serial No. 164,038. Divided and this application July 19, 1938, Serial No. 220,007
2 Claims. (Cl. 75—159)

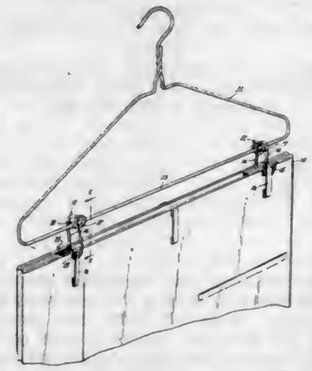
1. An alloy containing about 0.1 to 10% cobalt, 0.1 to 10% cadmium, 0.01 to 5% beryllium, and the balance copper.

2,135,255

GARMENT HANGER

Glenn Q. Johnson, Chicago, Ill., assignor of one-half to Charles J. Kizaur, Chicago, Ill.

Application August 24, 1936, Serial No. 97,515
3 Claims. (Cl. 24—84)



1. An auxiliary garment supporting device of the type described adapted for adjustable attachment to a coat hanger comprising a continuous piece of resilient wire doubled upon itself to form a pair of arms connected by a bight, the ends of said arms being fashioned in the form of garment attaching hooks, each of said arms having an individual coil formed therein adjacent said bight and bent inwardly toward each other to resiliently engage the cross member of a coat hanger disposed in said bight.

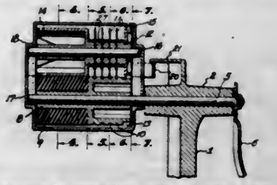
2,135,256

ASSEMBLY FOR HULLING PEAS AND SLICING BEANS

Joseph M. Majewski, Jr., Kansas City, Mo., assignor to Foster L. Talge, operating as Rival Manufacturing Company, Kansas City, Mo.

Application March 27, 1936, Serial No. 71,223
2 Claims. (Cl. 146—1)

1. In a pea shelling and bean slicing assembly, a standard, a shaft mounted on said standard for rotation, a housing, said shaft extending into said housing, a bushing secured to said shaft for rotation therewith, said bushing being formed with portions of unequal diameter and positioned within said housing, a collar of resilient material positioned over said portion of smaller diameter, a second shaft mounted for rotation within said housing, a second bushing formed with portions of unequal diameter positioned on said second shaft, the portion of larger diameter contacting said resilient collar and the portion of smaller diameter carrying a plurality of cutting disks.

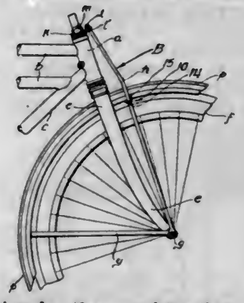


2,135,257

BICYCLE

James S. Manton, Oak Park, Ill.

Application January 15, 1937, Serial No. 120,760
7 Claims. (Cl. 280—152.1)



1. In a bicycle, the combination with a front fork, a spindle and a stem carried at opposite ends of said fork, truss rods connecting said spindle and said stem, and a fender connected to said stem, of a strap spaced forwardly of said fork and rearwardly of the forward edge of said fender and connecting said fender to said truss rods, whereby the strap and the portion of the fender between said strap and said stem constitute a support for said truss rods at a point intermediate their length.

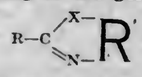
2,135,258

LEUCO ESTERS OF THE ANTHRAQUINONE SERIES

Wilhelm Muenster, Ludwigshafen-on-the-Rhine, Wilhelm Bauer, Leverkusen, and Karl Koeberle and Max Bertl, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application May 19, 1937, Serial No. 143,532. In Germany May 23, 1936
7 Claims. (Cl. 260—307)

1. A leuco ester of the anthraquinone-azole series corresponding to the general formula



wherein R and R' are anthraquinone radicals of which R contains in ortho position to the carbon atom shown an amino group and X stands for a member selected from the class consisting of

—O— and —S—, the linkages from X and N to R′ standing in adjacent positions of R′, which ester contains from two to four sulphuric ester groups combined with the meso-positions of the anthraquinone radicals.

2,135,259

ESTERS OF HIGH MOLECULAR WEIGHT

Heinrich Neresheimer and Anton Vilsmeier, Ludwigshafen-on-the-Rhine, Germany, and Karl Heymann, Akron, Ohio, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application February 20, 1937, Serial No. 126,804. In Germany March 4, 1936

5 Claims. (Cl. 260—353)

1. An ester corresponding to the general formula $(R—COO)_n—X$, wherein R stands for the radical of a hydrocarbon containing at least 6 carbon atoms selected from the class consisting of aliphatic and cycloaliphatic hydrocarbons, X for a radical of the perylene series selected from the class consisting of perylene and a ketonic perylene, and *n* for a whole number.

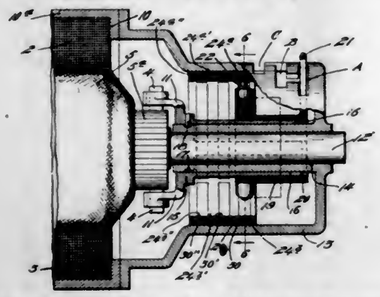
2,135,260

APPARATUS FOR IMPARTING SHUNT SPEED CHARACTERISTICS TO POLYPHASE COMMUTATOR MOTORS

Austin S. Norcross, Newton, Mass.

Application July 18, 1936, Serial No. 91,302

3 Claims. (Cl. 172—276)



1. In combination, an alternating current motor operable from a main source of power, having a stator having a primary winding connected to said main source of power, a commutated armature and a set of brushes for said commutated armature, an auxiliary winding magnetically coupled with said main source of power and connected to said brushes and provided with taps, means for changing the auxiliary voltage impressed upon said brushes from said auxiliary winding by tap changing to provide different speed ranges, means for shifting said brushes to adjust speed within each range and unitary control means for adjusting said last two mentioned means capable of providing any particular speed within the speed range of said motor.

2,135,261

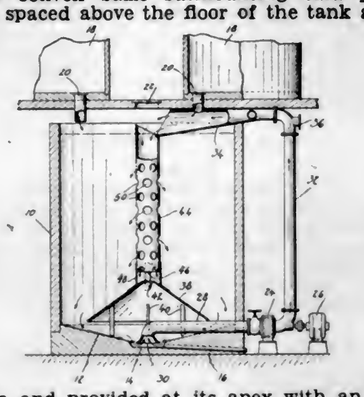
PULP STOCK AGITATING APPARATUS

John A. Rosmait, Manistee, Mich.

Application May 11, 1936, Serial No. 78,969

5 Claims. (Cl. 92—37)

1. In pulp agitating apparatus, a pulp storage tank, a standpipe supported within the tank and provided with a plurality of apertures through its wall adapted to discharge the contents of the standpipe therethrough into the tank, a pump having its intake communicating with the bottom of the tank and having its outlet adapted to discharge into the top of said standpipe, an upwardly convex baffle surmounting said pump intake spaced above the floor of the tank at its



margin and provided at its apex with an inlet aperture disposed underneath the lower end of the standpipe but of less diameter than the interior diameter of the standpipe, said standpipe supported with its lower end spaced above said inlet aperture through the baffle and with its upper end positioned adjacent to the top of the tank.

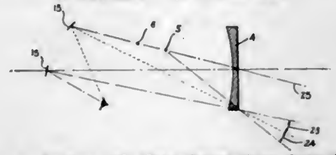
2,135,262

OPTICAL MEANS FOR INCREASING REAR VISION

Elmer Weldon Schumacher, Southbridge, Mass.

Application February 10, 1936, Serial No. 63,165

3 Claims. (Cl. 88—93)



3. In a device of the character described for use in combination with a vehicle body having a rear window, concaved reflective means positioned in the front of the body and so disposed relative to said vehicle body and rear window as to reflect light received through said rear window to a point of observation within the body, the concaved side of said reflective means being directed toward the rear window and the radius of curvature of said concaved side being greater than the distance of the observation point from said reflective means, said reflective means having reflective points so disposed relative to each other and to said body and window as to receive light rays passing through said rear window at angles which intersect each other at a point intermediate said rear window and front of the vehicle and reflect the said light rays to said point of observation, said rear window comprising optical means having optical characteristics which will further widen the angle of vision through the window as imaged on the reflective means.

2,135,263

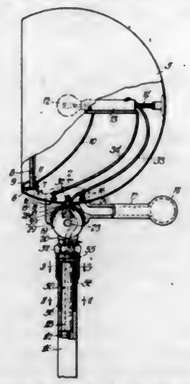
SPOT LAMP

Harry W. Sisson, Chicago, Ill.

Application October 14, 1935, Serial No. 44,869

6 Claims. (Cl. 240—61.12)

1. In combination, a lamp casing, a member attached to said casing and having a curved depression, a handle on said member, an insulating element for the curved surface of said depression, a curved contact member mounted in said depression and insulated by said element, a bracket having a cylindrical head fitting in said depression, said member having flanges disposed at opposite sides of said head, a pivot member passing through said flanges and said head for pivoting the casing for turning movement on said head, and a contact carried by said head and yieldingly engageable with said curved contact member throughout the various positions into which said casing is turned with respect to said head.



2,135,264

PROCESS OF MAKING TOUGH STYROL POLYMERS AND PRODUCTS

Omar H. Smith, West Englewood, N. J., assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, New York, N. Y., a corporation of New York

No Drawing. Application February 6, 1932, Serial No. 591,453. Renewed October 24, 1936

16 Claims. (Cl. 260—2)

1. The process of producing a tough alpha meta styrol of increased strength and flexibility, which comprises adding water to a solution of a styrol of not less than approximately 40% concentration, in an amount not less than 5% by weight of said solution, effecting an intimate and continuous intermingling of the two immiscible liquid phases by heating, and continuing said heating until a tough styrol polymer is produced.

14. A tough, strong and flexible styrol resin having a transverse breaking strength not substantially less than 12,000 pounds per square inch, said resin being substantially identical with the product formed by the process of claim 1.

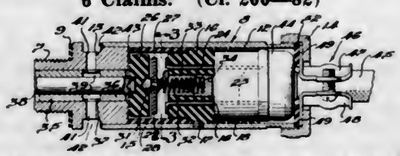
2,135,265

PRESSURE SWITCH

Hermon L. Van Valkenburg, Wauwatosa, Wis., and Carl A. Schaefer, Detroit, Mich., assignors to Square D Company, Detroit, Mich., a corporation of Michigan

Application January 8, 1936, Serial No. 58,070

6 Claims. (Cl. 200—82)



1. A pressure switch comprising a tubular body portion, an insulating block in said body portion and dividing it into two chambers, a tubular insulating liner in each of said chambers, spaced stationary contacts supported by said block in one of said chambers and having connecting portions passing through the block and terminating in attaching prongs in the second chamber, an operating plunger at the end of said one chamber, an insulating washer in said one chamber engaged at one side by said plunger, a bridging contact disc floatingly supported by the opposite side of said washer, and a spring biasing said disc, washer and plunger away from said stationary contacts.

2,135,266

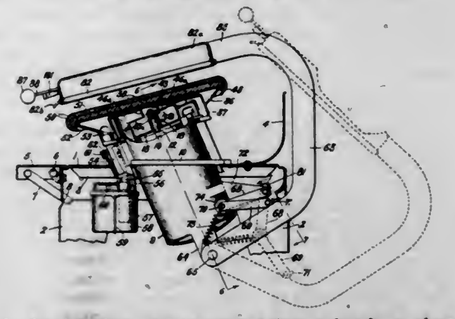
IRONING PRESS

George W. Wardwell, Jr., Nichols, Conn., assignor to General Electric Company, a corporation of New York

Application October 30, 1934, Serial No. 750,620

Renewed June 1, 1938

37 Claims. (Cl. 38—25)



1. An ironing press comprising a buck, a shoe, an electric heating element for heating the press, electrically operated means for power operation of the press, and means decreasing the power taken by said electric heating element while said electrically operated means is energized for decreasing the power demand of the press.

7. An ironing press adapted for use with an electric outlet of limited capacity comprising a buck, a shoe, an electric heating element for heating the press, electrically operated means for power operation of the press, and means decreasing the power taken by said electric heating element while said electrically operated means is energized for increasing the effective heating capacity of the heating element without exceeding the capacity of the outlet.

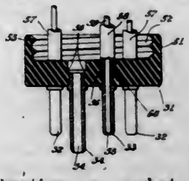
2,135,267

ELECTRICAL PLUG AND SOCKET

Milton Alden, Brockton, Mass.

Application February 25, 1936, Serial No. 65,581

5 Claims. (Cl. 173—332)



1. In combination, a socket and plug, the socket having a plurality of prong openings arranged substantially in circular formation and also having two prong openings within said circular formation, one of said last mentioned

prong openings being materially larger than the other prong openings, both said last openings lying away from the center of said circular formation, said socket being provided with a surface groove within which said circular formation of prong openings lies, and said plug having pins correspondent in relative position with said socket openings, whereby registration of the circularly arranged pins with said groove and registration of only one pin lying within said circular formation with the corresponding opening will determine registration of all the remaining pins with their correspondent openings.

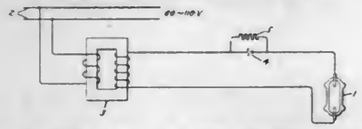
2,135,268

DISCHARGE LAMP SYSTEM

Ernst F. W. Alexanderson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application March 27, 1937, Serial No. 133,447

2 Claims. (Cl. 176—124)



1. In combination, a high pressure mercury vapor discharge lamp having a high operating temperature, means for supplying thereto an alternating voltage sufficient to cause the lamp to start at a non-operating temperature but insufficient to cause it to start when deionized and at its operating temperature, and means connected in circuit with said lamp for limiting alternate half cycles of the supply voltage to a value sufficient to maintain the lamp ionized without causing it to emit an appreciable amount of light.

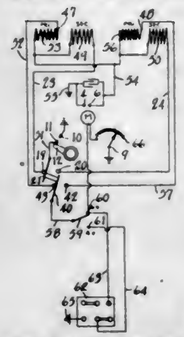
2,135,269

METHOD OF AND APPARATUS FOR TESTING IGNITION COILS

Gerald H. Allen, Kalamazoo, Mich., assignor to Allen Electric & Equipment Co., Kalamazoo, Mich.

Application October 28, 1933, Serial No. 695,674

16 Claims. (Cl. 175—183)



12. A device for testing an ignition coil for an internal combustion engine, said ignition coil having primary and secondary windings, comprising a standard coil substantially identical in type with the ignition coil, and means comprising conductors and a multiple contact switch for substantially instantaneously substituting the standard coil windings for the corresponding ignition coil windings in otherwise identical circuits, whereby indicating means operatively associated with the identical circuits afford comparative indication of the condition of said ignition coil relatively to said standard coil.

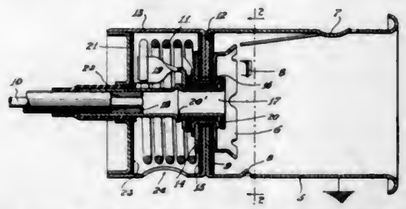
2,135,270

ELECTRIC CIGAR LIGHTER

Philip E. Ashton and Sidney L. Wolfson, Meriden, Conn.; said Wolfson assignor to said Ashton

Application November 11, 1936, Serial No. 110,224

5 Claims. (Cl. 219—32)



4. A socket for a removable plug carrying a cigar igniter, a pair of terminals carried by the socket for cooperation with terminals on the plug, one of the socket terminals being mounted on a transverse socket wall and insulated from the socket, an electrical resistance device mounted on the back of said wall, and a conductor for supplying current to said socket and electrically connected to one end of said resistance, the other end of said resistance being electrically connected to said wall contact, said socket being extended in rear of said wall and housing said resistance, said supply conductor being tubular and coaxial with the socket and said resistance.

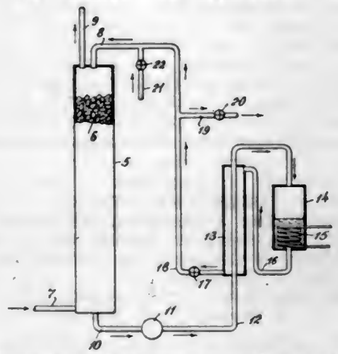
2,135,271

METHOD OF RECOVERING OLEFIN OXIDES FROM GASEOUS MIXTURES AND HYDROLYZING TO FORM CORRESPONDING GLYCOLS

Frederick R. Balcar, Stamford, Conn., assignor, by mesne assignments, to U. S. Industrial Alcohol Co., New York, N. Y., a corporation of West Virginia

Application July 29, 1937, Serial No. 156,366

15 Claims. (Cl. 260—635)



1. The method of recovering olefin oxide from gaseous mixtures which comprises scrubbing the gaseous mixture with an aqueous liquid absorbent, heating the absorbent to convert the olefin oxide to glycol and cycling the absorbent containing glycol through the scrubbing and heating stages until the glycol concentration is substantially augmented.

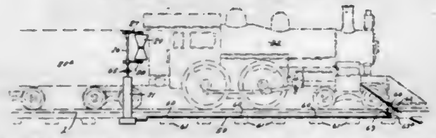
2,135,272

MAIL CRANE AND MEANS FOR OPERATING THE SAME

Garrett J. Barry, Toledo, Ohio

Application July 9, 1937, Serial No. 152,789

3 Claims. (Cl. 258—8)



1. The combination, with a track, of a rotatable mail crane shaft, means tending to rotate said shaft, a locking member carried by said shaft, a rod extending parallel with said shaft and having a locking member cooperating with the first mentioned locking member, yielding means tending to hold said locking members in engagement, and means operable by a wheel of a locomotive traveling along said track for moving said rod, thereby to disengage its locking member from the first mentioned locking member, the said means comprising a lever pivoted intermediate of its ends and having its upper end positioned to be engaged and moved forwardly by a front wheel of said locomotive when the said shaft is at the rear of the cab of said locomotive, a rod connected to the lower end of said lever and extending rearwardly therefrom, a bell crank lever having one arm connected to the rear end of the second rod, a link connected to the other arm of said bell crank lever, and a bell crank lever having one arm connected to the first mentioned rod and its opposite end connected to said link.

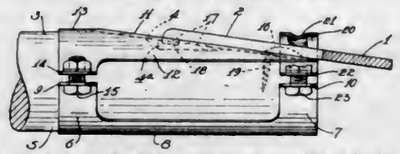
2,135,273

SCYTHE SNATH WEB

Ernest N. Birge, Seymour, Ind., assignor to Seymour Manufacturing Company, Inc., Seymour, Ind., a corporation of Delaware

Application March 22, 1937, Serial No. 132,195

3 Claims. (Cl. 306—1.3)



1. A fitting for fastening a scythe blade to a snath, comprising a pair of metallic bands each formed to partially encircle the snath in longitudinally spaced relation thereon with an integral tic connecting them, said bands terminating in outwardly projecting apertured lugs, a plate member formed to overlie the snath at the side opposite the bands and including a curved end portion terminating in outwardly projecting lugs having apertures disposed to register with the apertures of one of said bands, threaded means adjustably connecting said apertured lugs of the plate member to those of the band for adjustably clamping the snath between said parts, said plate member affording a flat surface for lodgment of the tang of a scythe blade, a yoke dimensioned to overlie the plate with such tang interposed, said yoke terminating in outwardly projecting lugs having apertures disposed to register with those of the lugs of the other band, and threaded means adjustably connecting the apertured lugs of the yoke directly to those of said other band for clamping the tang against the plate and gripping the snath.

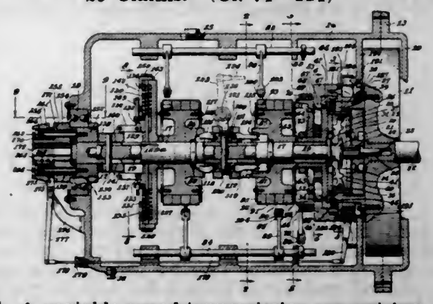
2,135,274

VARIABLE SPEED TRANSMISSION

William C. Braden, Brooklyn, N. Y., assignor of one-half to Thomas S. Pates, Brooklyn, N. Y.

Application November 28, 1936, Serial No. 113,129

29 Claims. (Cl. 74—114)



1. A variable speed transmission comprising, in combination, a drive shaft, a driven shaft, an over-running oscillatory clutch adapted to be connected in driving relation with the driven shaft, means associated with the driving shaft for oscillating said clutch including a member adapted to be rotated when said driving shaft rotates and to be moved from a position concentric with said driving shaft at which no power is transmitted between said shafts to a position eccentric with respect to said driving shaft at which power is transmitted between said shafts at reduced speed, centrifugal means responsive to rotation of the driving shaft to move said member toward eccentric position as the speed of said driving shaft increases, and centrifugal means responsive to rotation of the driven shaft for disconnecting the drive through said over-running clutch when the speed of rotation of the driven shaft exceeds a predetermined speed.

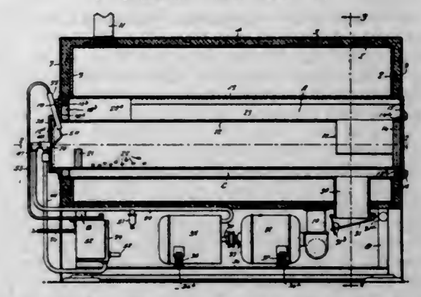
2,135,275

FLUID FUEL BURNING APPARATUS

John W. Cannon, Plainfield, N. J.

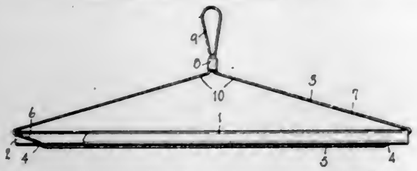
Application July 22, 1935, Serial No. 32,483

7 Claims. (Cl. 158—4)



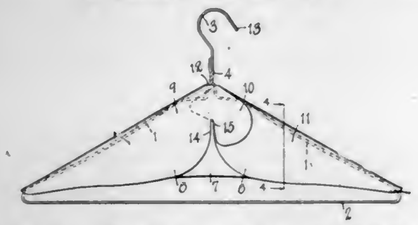
1. The combination, with an elongated combustion chamber, of a device arranged to deliver a mixture of fluid fuel and air into the front end of said chamber, longitudinally thereof and above the bottom thereof, a narrow target of materially less width than the width of said chamber, located adjacent to said device and extending from the inner surface of said chamber to a point located at a short distance from the axis of said device, the wall of said combustion chamber being provided with perforations located rearwardly of said target, the portion of the wall which is so perforated increasing in width rearwardly of said target.

2,135,276
GARMENT HANGER
James D. Coney, Detroit, Mich., assignor to Star-Service Hanger Company, Detroit, Mich., a corporation of Michigan
Application April 8, 1937, Serial No. 135,742
15 Claims. (Cl. 223—91)



1. A garment hanger comprising a hollow rod, a cord having a portion extending lengthwise substantially the length of said rod and exteriorly thereof, and portions passing through the ends of said rod and joined to said first named portion to tension the same whereby a garment draped over said rod may be secured thereto, and portions connected to said last named portions and constituting a garment support fully conformable to the shape of a garment supported thereby.

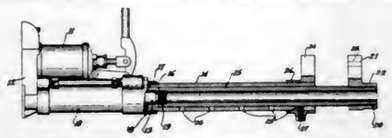
2,135,277
COVER OR SHIELD FOR GARMENT HANGERS
James D. Coney, Detroit, Mich., assignor to Star-Service Hanger Company, Detroit, Mich., a corporation of Michigan
Application May 6, 1937, Serial No. 141,087
8 Claims. (Cl. 223—98)



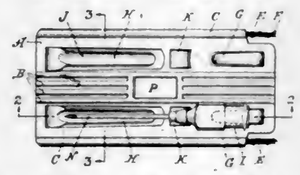
1. A cover for a garment hanger of the type comprising a pair of downwardly diverging arms and a centrally disposed supporting hook, said cover comprising a blank of fibrous sheet material folded along diverging lines, the angular relation of which corresponds to the angular relation of the arms of the hanger to form a pair of substantially parallel walls between which the arms of the hanger are received, the cover having an opening at its apex through which the hook of the hanger may be threaded by an angular manipulation of the hanger, one of the walls having a central slot, the lower portion of which has curved diverging edges and the upper end of the slot being so spaced from the apex of the cover as to permit the hook being manipulated through the slot and through the opening in the apex of the cover.

2,135,278
ATTACHMENT FOR HYDRAULIC JACKS
Guy A. Countryman, Ashland, Ohio
Application October 13, 1936, Serial No. 105,383
3 Claims. (Cl. 153—32)

1. An attachment for a hydraulic jack including a cylinder and a ram each having a threaded end, said attachment comprising a tube threaded at one end and connected to the threaded end of the cylinder, a tube threaded at one end and telescoped within the first named tube and connected to the threaded end of the ram, and laterally projecting jaws upon said tubes, one of said jaws being adjustably mounted upon the first named tube.

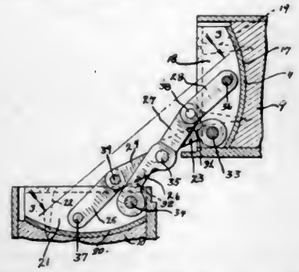


2,135,279
NEEDLE CARRIAGE FOR HYPODERMIC NEEDLES
Fairleigh S. Dickinson and Errol R. Lawshe, Rutherford, N. J., assignors to Becton, Dickinson & Co., Rutherford, N. J., a corporation of New Jersey
Application September 1, 1936, Serial No. 98,893
Renewed March 31, 1938
12 Claims. (Cl. 206—43)



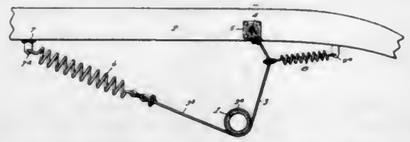
9. A hypodermic needle support formed from a single blank and comprising a plate portion upon which the hub of a hypodermic needle is to rest, said plate having resilient gripping means rising from the level of the plate, the said gripping means being elevated sufficiently above the plate and being formed so as to be capable of engaging with a recessed portion of a needle hub and of holding said hub with relation to the plate, and a needle-receiving saddle portion in operative alignment with a hypodermic needle hub engaged by said resilient gripping means and having a groove on its upper surface, said saddle portion rising from said plate and extending longitudinally of the needle above the plate approximately as high as one-half the thickness of the needle hub, to receive within said groove the needle point portion of the hypodermic needle when the hub of the latter has been positioned with respect to said gripping means.

2,135,280
HINGE
John Erickson, Detroit, Mich.
Application August 27, 1936, Serial No. 98,222
1 Claim. (Cl. 16—164)



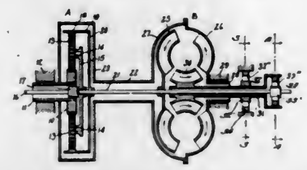
A hinge of the class described comprising a pair of U-shaped supporting members; a pair of hinge plates; means for pivotally connecting each of said plates adjacent one end to a supporting member adjacent one edge; means for pivotally connecting said plates to each other intermediate their ends to extend across each other; a pair of links pivotally connected at one of their ends to the opposite end of each of said plates; means for connecting the opposite end of said links to a supporting member adjacent the center thereof, for connecting each plate to the supporting member opposite to the one on which said plate is pivotally mounted; and a shoulder on each of said plates, adapted for engaging the other plate upon swinging of said hinge to open position.

2,135,281
SHOCK ABSORBER
Claud H. Foster, South Euclid, Ohio
Application September 10, 1937, Serial No. 163,214
8 Claims. (Cl. 267—9)



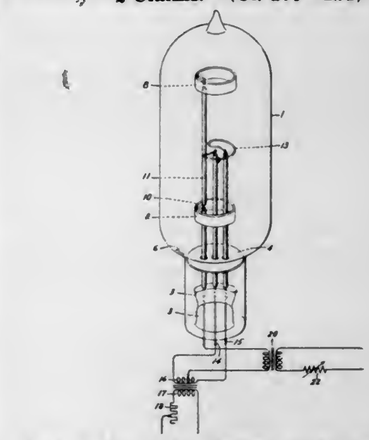
1. The combination, with a vehicle frame member and an axle member, of a pliable member wrapped about the axle member, a helical spring connected at one end to an end of the said pliable member and at its opposite end to a portion of the vehicle body, and means including a second spring for connecting the opposite end of said strap to the vehicle member, the second spring being operative to prevent the winding of the strap about the axle member by the first mentioned spring through movements of small amplitude of the axle member toward the said frame member and having a limited movement in opposition to the movement of the first spring in a direction to wind the strap about the axle member.

2,135,282
POWER TRANSMISSION DEVICE
Hermann Föttinger, Berlin-Charlottenburg, Germany
Application October 1, 1936, Serial No. 103,599
In Germany October 10, 1935
3 Claims. (Cl. 60—54)



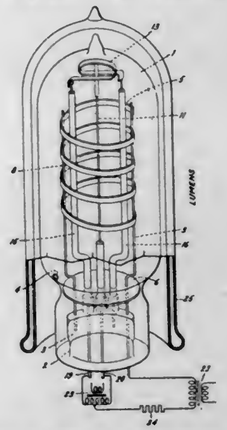
1. In a power transmission device, the combination of an epicyclic gear train comprising a sun gear, planet gears engaging said sun gears, and a ring gear engaging said planet gears, a hydraulic gear including a driving wheel, a driven wheel and an intermediate wheel, said driving and driven wheels being connected respectively to the sun gear and ring gear of said gear train, means for normally locking said intermediate wheel to said driven shaft, and means responsive to a predetermined fluid pressure in said hydraulic device for holding said intermediate wheel stationary.

2,135,283
METHOD OF PRODUCING POLYCHROMATIC LIGHT
Clifton G. Found, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 1, 1936, Serial No. 103,567
2 Claims. (Cl. 176—124)



1. A method of producing color variations in a cathodic lamp containing a plurality of ionizing media which comprises passing a discharge current of relatively constant average value through said lamp and cyclically varying the normal zero field emission of the cathode of the lamp in such a manner that such emission is less than the electron current required by the discharge during a substantial portion of the variation and is greater than said current during another substantial portion of such variation whereby sequential excitation of the various ionizable media is obtained.

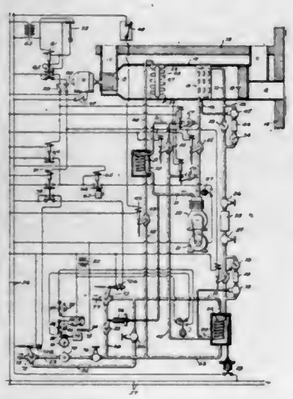
2,135,284
CATHODIC LAMP
Clifton G. Found, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 26, 1938, Serial No. 192,808
3 Claims. (Cl. 176—122)



1. A cathodic lamp comprising an envelope which encloses a discharge-supporting gas, a

vaporizable light-producing substance, and a pair of cooperating electrodes having mutually facing discharge-receiving surfaces of as great longitudinal extent as the major dimension of the envelope permits, the proportions and heat insulation of the envelope being such that at discharge currents within the range of efficient operation of the lamp the amount of said substance maintained in the vapor phase is appreciably above the least amount sufficient for maximum light excitation at such currents but below the value at which excessive cumulative ionization takes place, whereby the luminous output of the lamp is substantially insensitive to variations in ambient temperature.

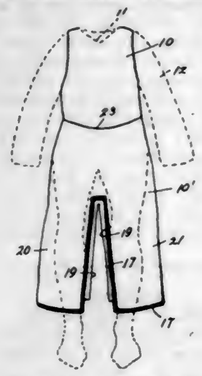
2,135,285
HEAT PUMP
Hal Gibson, Dallas, Tex., assignor to General Electric Company, a corporation of New York
Application January 15, 1938, Serial No. 185,165
7 Claims. (Cl. 62—6)



1. A fluid heating system including a reversed cycle refrigerating machine having a compressor and an evaporator and a condenser, said compressor being arranged to withdraw vaporized refrigerant from said evaporator, means for circulating a fluid over said condenser to heat said fluid, means for circulating a fluid over said evaporator to supply heat to said system, and means dependent upon the pressure of the vaporized refrigerant withdrawn from said evaporator for controlling the rate of flow of said heat supplying fluid over said evaporator to limit the load on said compressor.

2,135,286
SLEEPING GARMENT
Louis W. Helmuth, Lakewood, Ohio
Application August 16, 1937, Serial No. 159,218
2 Claims. (Cl. 2—114)

1. A sleeping garment comprising an open tubular skirt of at least knee length, the front of the skirt having its lower edge at the middle of the front provided with a slit extending from the bottom edge of the skirt toward the crotch of the wearer but terminating below the same to leave the skirt with an apron portion covering the wearer's crotch, the skirt continuing unbroken at the sides thereof, and said skirt having a color contrasting with that of the garment extending from the top of the slot to a point closer to the wearer's crotch than the top of the slit and to approximately the wearer's crotch to form, in



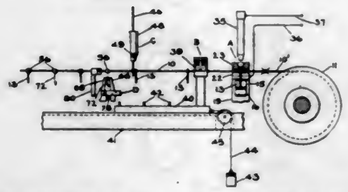
effect, a continuation of the slit effect substantially up to the point of the wearer's crotch.

2,135,287
STAR MAP
Claude M. Houston, Pittsburgh, Pa.
Application March 7, 1936, Serial No. 67,652
10 Claims. (Cl. 35—44)



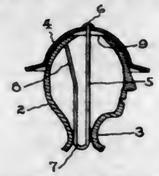
1. As an article of manufacture, a star map comprising a hollow spherical body of resilient material collapsed into the shape of a double walled hemispherical bowl, and a star map depicted on the surface of said spherical body.

2,135,288
MACHINE FOR MAKING FILAMENT SUPPORTING STRUCTURES
Alexander Koenig, Berlin-Charlottenburg, Germany, assignor to General Electric Company, a corporation of New York
Application April 11, 1936, Serial No. 73,869
In Germany June 17, 1935
9 Claims. (Cl. 176—4)



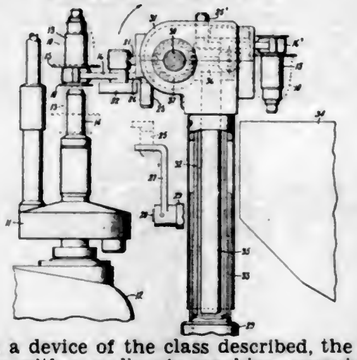
4. In a device of the class described, the combination of apparatus for supporting and moving a stay intermittently in the direction of its longitudinal axis; mechanism located adjacent the path of movement of said stay for making and attaching a second stay to the first comprising a pair of rollers turned at different peripheral speeds for curling and feeding an end portion of a wire longitudinally, a knife for severing said curled end portion of said wire from the remainder to form the second stay, a pair of electrodes connected to a welding circuit for welding the second stay to the first; mechanism located at another position along the path of movement of the first stay for feeding a portion of a rod of insulating material into engagement with the first stay, for heating said portion of said rod to fuse it thereto, for moving the unheated portion of said rod away from the fused portion to separate said portions; and mechanism further along the path of movement of the stay for inserting a support into said fused portion of the rod on said stay.

2,135,289
MEANS FOR ATTACHING TOGETHER PARTS OF TOYS AND THE LIKE
Michael Levy, Brooklyn, N. Y.
Application June 8, 1937, Serial No. 147,009
3 Claims. (Cl. 46—115)



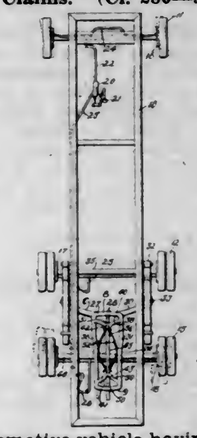
1. A toy comprising a hollow head and neck portion and a helmet on the said head, a wire clip anchored to said helmet and having a loop portion seated in and engaged at its lower end section by the said neck and having a free end engaging the inner wall of the head.

2,135,290
SEALING-IN APPARATUS FOR ELECTRIC LAMPS AND THE LIKE
Walter W. Loebe, Berlin-Waidmannslust, Gustav Müller, Blankenfelde, and Kurt Weinmann, Berlin-Grunau, Germany, assignors to General Electric Company, a corporation of New York
Application July 16, 1937, Serial No. 154,050
In Germany July 28, 1936
4 Claims. (Cl. 176—3)



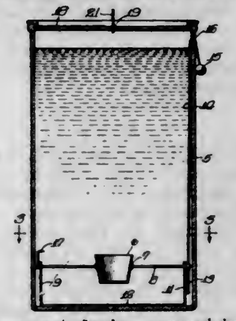
4. In a device of the class described, the combination with a sealing-in machine comprising a turret having a plurality of heads thereon each having a spindle for supporting the stem of an electric lamp or similar article to be sealed in a glass bulb, of a removable sleeve on said spindle having a flange thereon for receiving and supporting the cullet severed from the neck of said bulb, and cullet removal apparatus located adjacent to the path of travel of said heads and comprising a beam rotatably mounted at its middle and having a pair of jaws at either end, means for closing one of said pair of jaws to grip a sleeve in one of said heads having a cullet thereon, the other pair of jaws being clamped on another sleeve in an inverted position, and means for raising said beam to remove said first-mentioned sleeve from said head and for rotating said beam about its middle half a revolution in a vertical plane and then lowering said beam to place said second-mentioned sleeve in said head.

2,135,291
PIVOTED AXLE FOR MOTOR VEHICLES
Henry Pinard, Manchester, N. H.
Application January 12, 1938, Serial No. 184,624
10 Claims. (Cl. 280—97)



1. In an automotive vehicle having an auxiliary set of wheels and a set of rear wheels, a pair of frames one of which is movable relative to the other longitudinally of the vehicle between two positions, said rear wheels being mounted upon one of said frames and said auxiliary wheels being mounted upon the other of said frames, and means upon said frames adapted to cooperate to permit said auxiliary wheels to swing about a point in front of said auxiliary wheels when said movable frame is in one of said positions and adapted to cooperate to permit said auxiliary wheels to swing about a point in back of said wheels when said movable frame is in the other of said positions.

2,135,292
AMUSEMENT DEVICE
Fred Pocell, Chicago, Ill., assignor to Edward E. Barthell, Winnetka, Ill.
Application June 19, 1936, Serial No. 86,075
8 Claims. (Cl. 273—138)



1. An amusement device comprising a stationary, upright container partially filled with liquid, a target positioned near the bottom of said container and submerged in said liquid, a top pro-

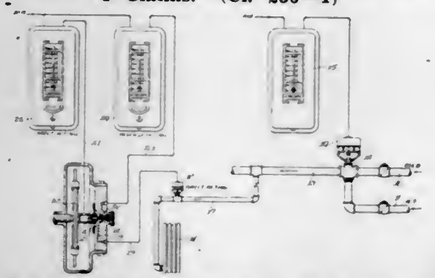
vided with an opening in alignment with said target, and a sinker adapted to be inserted through said opening, said sinker being so shaped that the resistance to its travel offered by said liquid will divert the same from a right line movement.

8. A device of the character described comprising a coin receiver, means enclosing the receiver and having a coin slot above the receiver, liquid in the enclosing means in which the coin receiver is submerged, and means for tilting the receiver to displace the coin therefrom.

2,135,293
MEDICINAL AZO DYES
Raemer R. Renshaw, New York, and Edmond T. Tisza, Yonkers, N. Y., assignors to Pyridium Corporation, a corporation of New York
No Drawing. Application August 20, 1936, Serial No. 96,966
10 Claims. (Cl. 260—156)

10. As a new substance, a dye of the phenyl azo diamino pyridine group having an alkyl group and an anion directly attached to the pyridine nitrogen.

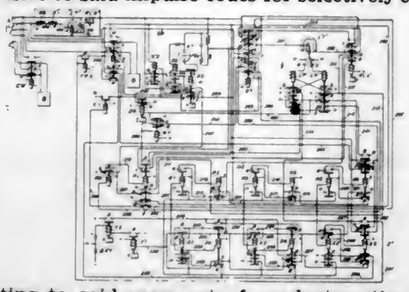
2,135,294
SUMMER AND WINTER TEMPERATURE CONTROL
Morton O. Snediker, Chicago, Ill., assignor to The Powers Regulator Company, Chicago, Ill., a corporation of Illinois
Application January 21, 1937, Serial No. 121,434
4 Claims. (Cl. 236—1)



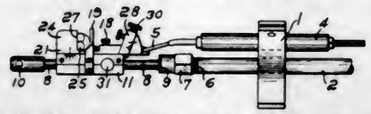
2. In combination, supply pipes for cold and hot fluids, a conduit to a heat exchanger, valve means for selectively connecting said pipes to said heat exchanger conduit, a thermostat set to operate said valve means at a temperature between the temperatures at which heating and cooling is to be carried on, a valve for said heat exchanger, a direct-acting heating control thermostat, a reverse acting cooling control thermostat, and a thermostatic switch, operable at a temperature between the temperatures at which heating and cooling is to be carried on, for alternately connecting said thermostats to the valve for the heat exchanger.

2,135,295
SUPERVISORY CONTROL SYSTEM
Clyde E. Stewart, Upper Darby, and Leo D. White, Lansdowne, Pa., assignors to General Electric Company, a corporation of New York
Application January 21, 1937, Serial No. 121,450
9 Claims. (Cl. 177—353)

1. In combination, a plurality of supervisory control systems, each system including equipment at a controlling station, equipment at a remote station and an individual set of conductors interconnecting the station equipments of the system, a spare set of conductors common to all of said station equipments, means for transmitting over said spare set of conductors an impulse code individual to each remote station equipment, means including means associated with each remote station equipment responsive to said impulse codes for selectively connecting to said spare set of conductors the remote station equipment individual to a transmitted impulse code, and means for connecting to said spare set of conductors the controlling station equipment corresponding to the selected remote station equipment connected thereto.

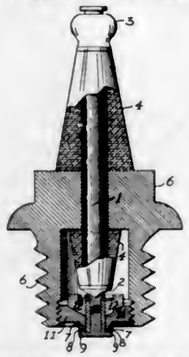


2,135,296
ELECTRODE POSITIONING DEVICE
Cecil D. Towne, Milo, Maine
Application October 21, 1936, Serial No. 106,726
6 Claims. (Cl. 33—181)



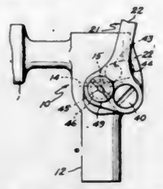
1. A device of the class described, comprising a supporting element having means for securing it to a burner in place of the usual nozzle for said burner, a base member carried by said element, a slide carried by said base member, parts on said slide and member, respectively, between which the nozzle of said burner may be engaged to determine a position of said slide relative to said base member, and means carried by said slide for locating when said slide is in said position an electrode properly related to said burner when said device has been removed therefrom and said nozzle replaced in operative position.

2,135,297
SPARK PLUG
Heriberto A. Vila, New York, N. Y.
Application September 25, 1937, Serial No. 165,679
17 Claims. (Cl. 123—169)



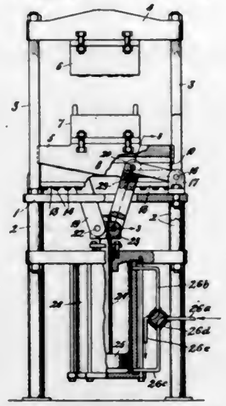
1. A gapless spark-gap for a spark plug, comprising, a shell, an insulated central spindle supported by said shell, the lower tip of said spindle closely adjacent to the lower rim of said shell, the space between said spindle tip and said shell being filled with a solid dielectric material.

2,135,298
BEER FAUCET
George J. Belknap, Bridgeport, Conn., assignor to The Belknap Manufacturing Company, Bridgeport, Conn., a corporation of Connecticut
Application February 15, 1936, Serial No. 64,045
9 Claims. (Cl. 277—2)



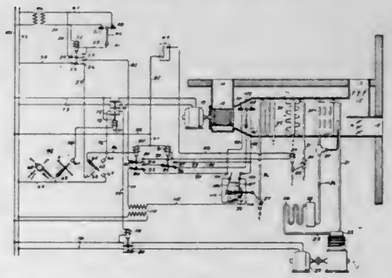
1. In a faucet, a body including a connecting portion and a spout, a valve controlling the passage of liquid from said portion to said spout, a handle controlling the opening and closing of said valve, said body having a vent leading into the upper part of the spout portion thereof, and means movable to and from a position against the outer end of said vent for closing and opening the same as said valve is opened and closed.

2,135,299
PRESS
Clifford N. Benander, Meriden, Conn., assignor, by mesne assignments, to Monowatt Electric Corporation, a corporation of Rhode Island
Application October 19, 1935, Serial No. 45,760
5 Claims. (Cl. 18—16)



5. A press for producing molded parts comprising a frame, a stationary platen, a movable platen slidable in said frame, complementary parts of a mold carried by said platens, said movable platen having depending flanges connected by a web portion, a pair of guides adjacent the inner surface of each of the flanges, said guides being spaced apart in the direction of movement of the movable platen, two links pivoted respectively at one end to opposite sides of the frame, two links each pivoted at one end to said first links and having the other ends adjacent each other, means including a piston for reciprocating said other ends toward and away from the stationary platen, members projecting from opposite sides of said second links between said pairs of guides for moving the movable platen, said members engaging the guides adjacent the web portion of the movable platen during the pressure stroke and engaging the other guides during the reverse stroke of the movable platen, and fluid pressure means for positively reciprocating said piston.

2,135,300
SELECTIVE CONTROL FOR AIR-CONDITIONING APPARATUS
Harry R. Crago, Caldwell, N. J., assignor to General Electric Company, a corporation of New York
Application June 26, 1936, Serial No. 87,484
10 Claims. (Cl. 236—1)



2. In a system for supplying conditioned air to a space, the combination of air circulating means, means for cooling the circulated air, means for heating the circulated air including a motor operated valve for controlling the supply of a heating medium to the air heating means, manually operable selective means for starting continuous operation of said air circulating means and selecting either said heating or cooling means for operation, a two-position thermostat located in said space and interconnected with said selective means to effect opening operation of said valve in one position thereof and starting operation of said cooling means in the other position thereof, a second two-position thermostat located adjacent the air heating means and interconnected with said selective means and said first thermostat to control both opening and closing operation of said valve when said first thermostat is in said other position and operation of said heating apparatus is selected and control means independent of both said thermostats for closing said valve when said cooling means is selected for operation.

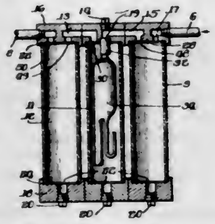
4. In combination, means for circulating air into a space, means operable for heating the circulated air, means for selecting said circulating means for separate operation and for selecting said heating means for joint operation with said circulating means, a thermostat located adjacent said heating means and having means controlling the operation of said heating means to maintain the circulated air temperature between predetermined limits, a thermostat located in said space and having means for controlling said heating means to increase the temperature of the circulated air above said limits and means controlled by said selective means for stopping operation of said heating means independently of the control of both said thermostats when separate operation of said air circulating means is selected.

2,135,301
ROAD VEHICLE CONSTRUCTION
Eugene J. Dondlinger, Chicago, Ill.
Original application July 11, 1935, Serial No. 30,812. Divided and this application July 20, 1936, Serial No. 91,531
8 Claims. (Cl. 280—33.2)



4. A road vehicle including a pair of front wheels, a pair of rear wheels, a frame supported on said rear wheels and extending forwardly therefrom, a rigid axle connecting the front wheels, a vertically flexible leaf spring member mounted at the forward end of the frame and terminating in an eye adjacent said axle, a vertically extending king bolt at the middle of the length of said axle, and a fitting on one end of the bolt including a transverse pivot engaging the spring eye, together with a draft rod connecting the other end of the king bolt with the forward part of said frame.

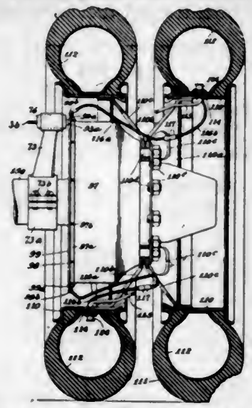
2,135,302
GAS MEASURING AND DISPENSING APPARATUS
Roy Blair Everson, Chicago, Ill.
Application October 11, 1934, Serial No. 747,815
Renewed June 18, 1937
8 Claims. (Cl. 73—194)



1. A gas metering apparatus comprising an intake chamber and a plurality of downwardly extending vertical tubes communicating therewith, the respective openings into said vertical tubes all being substantially the same distance from the top of the intake chamber, one of said tubes being substantially small in diameter and being bent upwardly, said upwardly bent tube terminating at a point substantially below the opening from the intake chamber into said tube, another of said tubes being of relatively large diameter and having an opened mouth in its lower end opening downwardly, said mouth being located at a distance substantially below the upward bend of the first named tube.

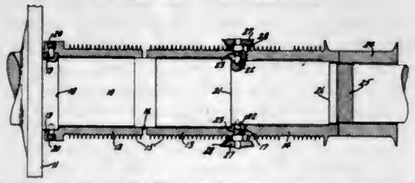
2,135,303
SELECTIVE DASH TIRE PRESSURE INDICATOR
Edgeworth Greene, Montclair, N. J.
Application May 18, 1934, Serial No. 726,237
6 Claims. (Cl. 177—311)

1. In an electrical protection system for pneumatic tires of vehicles, the sub-combination comprising a common electric signal associated with a plurality of different circuits, each having an electro-pneumatic switch which is associated with a particular tire, the inflation of which it is desired to indicate, a brush and ring connection for bridging electrically the gap between the wheel of said vehicle on which each such particular tire is mounted and the body of the vehicle supported on such wheel, and means for indicating through said signal which particular circuit has been



closed, due to a drop in the tire pressure below a fixed minimum in any of such tires so equipped with said switches and separate means also for indicating wear of the brush element beyond a predetermined amount.

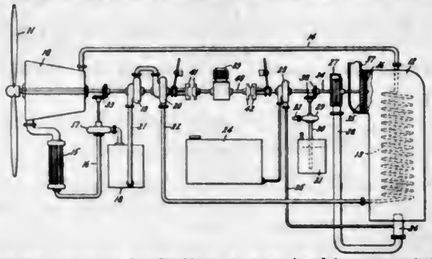
2,135,304
ELASTIC FLUID TURBINE PACKING
Fritz Herrlinger, Berlin-Charlottenburg, Germany, assignor to General Electric Company, a corporation of New York
Application June 16, 1936, Serial No. 85,518
In Germany September 21, 1935
3 Claims. (Cl. 286—10)



1. A rotary shaft packing arrangement subject to great temperature changes during operation including the combination of a shaft, an inner packing element directly secured to the adjacent shaft portion, and an outer stationary packing element having an inner surface with packing teeth, said inner packing element comprising a plurality of axially spaced separate portions with packing grooves on their outer surfaces into which the packing teeth of the stationary packing element project, the separation of said portions preventing expansion of one portion from being transmitted to the other and thereby permitting relatively close spacing of the teeth and the grooves.

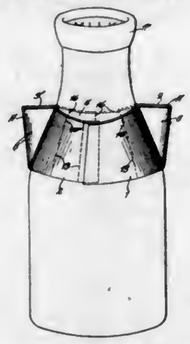
2,135,305
ELASTIC FLUID POWER PLANT
Bruno Hoffmann, Spandau, Germany, assignor to General Electric Company, a corporation of New York
Application January 21, 1937, Serial No. 121,653
In Germany February 17, 1936
5 Claims. (Cl. 60—11)

1. Elastic fluid power plant including the combination of a prime mover, a boiler for producing elastic fluid to actuate the prime mover, auxiliaries including pumping means for forcing operating liquid into the boiler and other pumping means for forcing air and fuel into the boiler, said auxiliaries forming two groups, means including the prime mover for driving one of said



groups, means including a gas turbine receiving combustion gases from the boiler for driving the other group, and auxiliary means including a combustion engine and clutches for successively starting the groups.

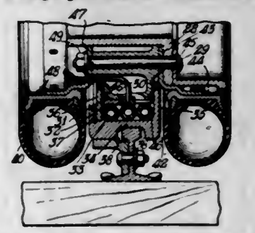
2,135,306
DISPLAY DEVICE
Meade Hyndman, St. Louis, Mo.
Application April 22, 1938, Serial No. 203,483
5 Claims. (Cl. 40—4)



5. A display device adapted to be placed upon a tapered support comprising an elongated strip of flexible material having upper and lower edges, said strip being folded transversely along two spaced lines and having its ends overlapping, means attaching together the overlapping ends of said strip, and means between the upper and lower edges of said strip attaching together the folded portions of said strip in a relationship in which the device conforms to said tapered support when the device is mounted thereon and said attached portions extend laterally outwardly from said support.

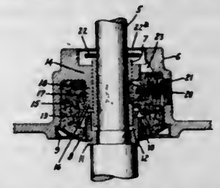
2,135,307
VEHICLE WHEEL
Edward O. Keator, Dayton, Ohio
Application January 2, 1934, Serial No. 704,882
4 Claims. (Cl. 295—8.5)

4. A vehicle wheel comprising a hub, a wheel felly supported on said hub, a metal tire supported by said felly for radial movement thereon, resilient means between said felly and metal tire comprising a double ended inflatable tube in helical form on said felly for yieldingly restraining relative radial movement of the tire and felly, means for retaining said metal tire against axial movement on said felly, an expansible metal ring shim in engagement at one side thereof with said resilient means and disposed radially thereof, and an annular wedge provided within said metal tire



and engaging the other side of said ring shim and movable axially thereof to compress said resilient means.

2,135,308
VERTICAL LABYRINTH BEARING
Kenneth A. Killam, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application August 12, 1937, Serial No. 158,691
1 Claim. (Cl. 308—36.4)

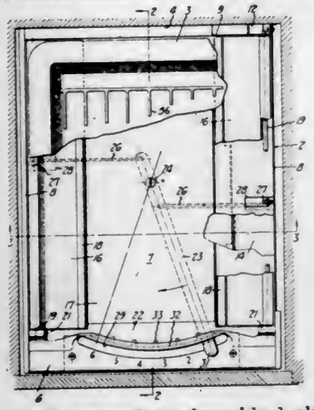


In a self-lubricating vertical shaft bearing the combination of a bearing housing, a bearing sleeve mounted therein, an oil throwing cup overlapping the end of said sleeve, a packing in said housing between said oil thrower and the wall of said housing, a reservoir at the lower end of said housing provided with a reentrant sleeve spaced from and concentric with said oil thrower, and a conical deflector attached to the bearing housing and extending across the space between said oil thrower and reentrant sleeve into said oil reservoir whereby said deflector separates said packing from said oil thrower and simultaneously reconducts oil thrown off by said oil thrower to the said reservoir.

2,135,309
ADJUSTABLE BROILER GRID
Joseph E. Leonard, Berkeley, Calif., assignor to Hammer-Bray Company, Ltd., Oakland, Calif., a corporation of Nevada
Application April 15, 1935, Serial No. 16,397
5 Claims. (Cl. 126—41)

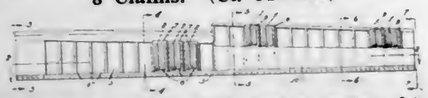
2. In an adjustable grid for a broiler, a supporting unit arranged for positioning in said broiler and having a portion defining a horizontal partition for the broiler compartment, grid-rests on the upper side of said partition pivoted to said unit for movement about horizontal axes at the side edges of said partition for movement to and from a position substantially coplanar with said partition, a pan arranged for positioning on said rests to engage an edge thereof, crank arms fixed to said rests for pivotal movement therewith and extending through slots in said partition, a lever carried by said unit and pivotally mounted on the under side of said partition and having one arm extended to the front of said unit, links connecting said lever and crank arms whereby on rocking of said lever said rests will

be moved about their pivots to raise and lower



said pan, and means for releasably locking said lever in different positions.

2,135,310
HIGH FREQUENCY REED BLOCK
Carl Lindeberg, De Kalb, Ill., assignor to The Rudolph Wurlitzer Company, De Kalb, Ill., a corporation of Ohio
Application February 21, 1938, Serial No. 191,629
8 Claims. (Cl. 84—376)



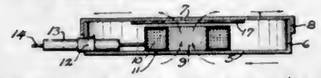
1. In an accordion reed block, a series of tone chambers for high frequency reeds, each of said chambers having a port at one end and being of tapering cross-section narrowing from the ported end to the opposite end, said chamber being closed on all sides for a considerable distance from the port with the reed mounted in a portion of one side wall adjacent said opposite end of the chamber.

2,135,311
THEATER AISLE STANDARD
Henry J. McKinney, Brookline, Mass.
Application January 21, 1937, Serial No. 121,410
3 Claims. (Cl. 240—4)



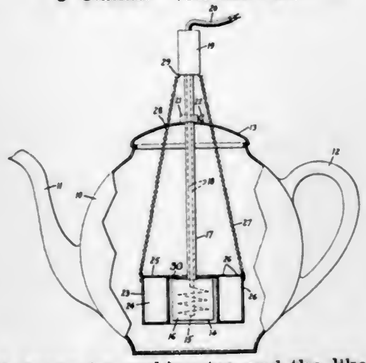
2. An aisle standard for theater seats provided with a lamp housing in the side thereof toward the aisle, said housing opening at the aisle side, a light transmitting closure for the open side of said housing comprising and including a grill extending substantially the full length of the standard, an elongated electric lamp mounted in said housing in position to throw its rays outward through the grill and into the aisle, and a translucent member covering the open portions of the grill.

2,135,312
ELECTRIC VIBRATOR AND HEATER
Paul Adrian Muckle, Denver, Colo.
Application April 4, 1938, Serial No. 199,852
3 Claims. (Cl. 128—24.2)



1. An electric therapeutic apparatus for producing heat and vibration, comprising in combination, a magnetic circuit formed in part of a resilient member, an air gap in the circuit, one side of the air gap being formed by the resilient member, a solenoid surrounding the magnetic circuit, and a closed ring of non-magnetic conductive material surrounding the flux path, whereby when the coil is energized by a variable electric current the resilient portion of the magnetic circuit will be vibrated and whereby an alternating current will be induced in the ring for producing heat.

2,135,313
TEAPOT
Ludwig Nolte, Nuremberg, Germany, assignor to General Electric Company, a corporation of New York
Application August 11, 1937, Serial No. 158,571
In Germany September 11, 1936
3 Claims. (Cl. 219—41)

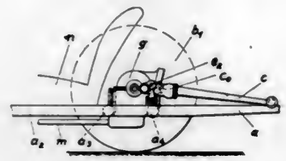


1. A device for making tea and the like comprising a steeping vessel, an immersion heater and a strainer for the tea within said vessel adapted to be positioned in concentric relation with each other, means for separately adjusting the positions of said heater and strainer to different levels within said steeping vessel, and stop means between said strainer and heating element preventing adjustment of said heater to a higher level than said strainer and adjustment of said strainer to a lower level than said heater.

2,135,314
MOTOR-DRIVEN VEHICLE
Max Wagner, Stuttgart, Germany, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany, a company of Germany
Application April 16, 1936, Serial No. 74,716
In Germany April 15, 1935
25 Claims. (Cl. 180—73)

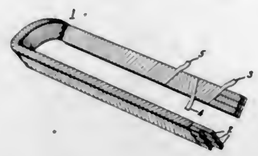
1. In a motor-driven vehicle, the combination

comprising wheel supporting means, wheels mounted on said wheel supporting means, a speed-change gear-box, wheel-shafts independent of said wheel supporting means and extending from said wheels towards said speed-change gear-box in a substantially horizontal plane which intersects at least a portion of said gear-box, the



latter including a plurality of gear-shafts extending substantially within a substantially vertical plane laid through said wheel-shafts, gears interconnecting said gear-shafts, and means connecting said wheel-shafts with at least one of said gear-shafts.

2,135,315
COIL INSULATION
Theodore R. Walters and Emmett W. Manning, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
Application September 4, 1935, Serial No. 39,115
3 Claims. (Cl. 175—21)

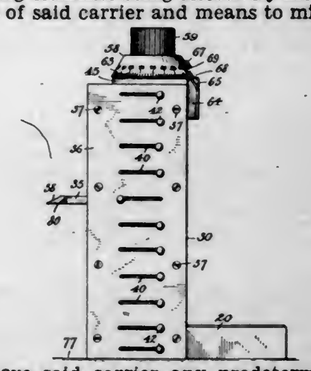


1. An insulated conductor comprising a conducting core and a plurality of superimposed layers of insulating material thereon, certain of said layers consisting of complete sheaths of paper tape, and certain others of said layers consisting of complete sheaths of cellulose acetate tape, the layers of paper being alternated with the layers of cellulose acetate and all the layers being liquid permeable by virtue of the interstices which exist between adjacent elements of tape.

3. An insulated coil comprising a bundle of juxtaposed conductors insulatingly separated from one another and a covering for said bundle comprising a plurality of superimposed layers of insulating material, certain of said layers consisting of complete sheaths of wrapped paper tape, and certain others of said layers consisting of complete sheaths of wrapped cellulose acetate tape, the layers of paper being alternated with the layers of cellulose acetate and all the layers being liquid permeable by virtue of the interstices which exist between adjacent elements of tape.

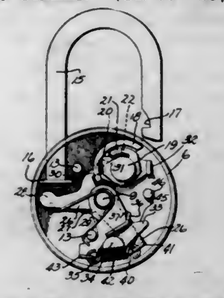
2,135,316
POINT OR PLANE FINDER
Lawrence V. Whistler and Sanford A. Whistler, Kenmore, N. Y.
Application March 11, 1936, Serial No. 68,210
20 Claims. (Cl. 33—170)

18. A measuring device, comprising a support, a carrier vertically movable on said support, a series of measuring elements carried by said carrier and spaced apart definite units of measurement, said measuring elements being selectively movable into and out of said carrier and means to micrometri-



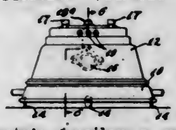
cally move said carrier any predetermined distance.

2,135,317
SNAP ACTION PERMUTATION LOCK
Robert K. Winning, Wauwatosa, Wis., assignor, by mesne assignments, to Dudley Lock Corporation, Chicago, Ill., a corporation of Illinois
Application February 15, 1932, Serial No. 592,942
29 Claims. (Cl. 70—25)



1. In a permutation lock, the combination with a plurality of tumblers having bolt receiving openings adapted for alignment, of a bolt engageable in the aligned openings of said tumblers, a shackle controlled by said bolt and movable to a position entirely free of said bolt when said bolt is so engaged, a pawl engageable with said tumblers, a lever carrying said pawl, a spring connected with said lever, and means arranged to receive motion from said shackle for storing energy in said spring pending the release of said tumblers by said bolt.

2,135,318
ELECTRIC BROILER
Aaron Barkinsky and Samuel Yanofsky, Bronx, N. Y.
Application October 23, 1937, Serial No. 170,574
2 Claims. (Cl. 219—19)



1. In an electric broiler a relatively shallow dish formed with an inner peripheral shoulder, a relatively deep dish-like cover member, a heating element within the cover member at the upper area thereof, a grill having a plurality of spaced short depending lugs supported upon said pe-

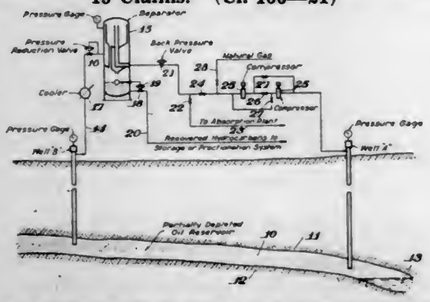
ripheral shoulder within the dish and elevating the grill a relatively short distance above the peripheral surface of the dish, the cover member being directly supported upon the grill.

2,135,319

SECONDARY RECOVERY OF OIL FROM UNDERGROUND RESERVOIRS

George S. Bays, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware

Application March 17, 1938, Serial No. 197,870
15 Claims. (Cl. 166—21)



1. A method of recovering oil components from a partially depleted underground oil reservoir which comprises introducing natural gas into said reservoir at a pressure of from about 1,500 lbs./sq. in. to about 8,000 lbs./sq. in., maintaining said gas in contact with the oil in said reservoir under pressures of this same order of magnitude for a substantial period of time and causing said gas, substantially free from any separate liquid phase, to pass from said reservoir into a well while maintained at a pressure in excess of about 1,500 lbs./sq. in., said gas carrying with it dissolved liquid hydrocarbons picked up from said reservoir by virtue of the retrograde condensation effect.

2,135,320

CONDUCTOR CLAMP

Floyd G. Bovard, Akron, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey

Application November 11, 1936, Serial No. 110,308
8 Claims. (Cl. 173—303)



4. A cable holder comprising an electrical connector having a hollow body with a tapered socket at one end thereof for receiving a hollow cable, a wedge member disposed in said socket about said cable, a core member disposed in said cable within said wedge member, a piston in said body member having bearing connection with said wedge member, and means for introducing a hydraulic pressure transmission medium under pressure into said body member to move said piston and force said wedge member into said tapered socket.

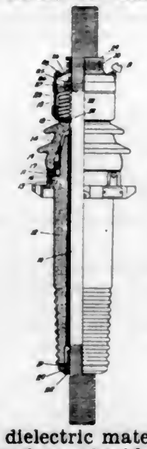
2,135,321

HIGH CURRENT BUSHING

Thomas F. Brandt, Barberton, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey

Application October 12, 1935, Serial No. 44,761
3 Claims. (Cl. 173—318)

1. The combination with a conductor rod, of a supporting flange having an opening through which said rod extends, a bushing insulator having separate portions for insulating said rod and flange, a metal spring for holding the portions of said insulator in close connection, fittings for receiving the stress of said spring, and a



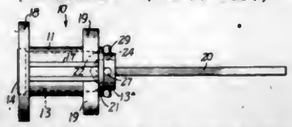
spacer of solid dielectric material interposed between said rod and one of said fittings for insulating said one of said fittings from said conductor rod to prevent shunt currents from passing through said spring.

2,135,322

LOCK CONSTRUCTION

Sigurd Brantingson, Palisades Park, N. J., assignor to Francis Keil & Son, Inc., a corporation of New York

Application June 3, 1937, Serial No. 146,144
11 Claims. (Cl. 70—357)



1. In lock construction, in combination, a casing member, a key plug member movably mounted therein, an operating bar member for transmitting movement from said key plug member, said key plug member having a recess in its rear end for receiving said bar member and having a wall portion that has therein aperture means communicating with said recesses, and a device having protruding cutting means on a portion thereof forced through said wall portion by way of said aperture means to bring said portion into said recess for engagement with said bar member whereby said cutting means cuts itself a path in said wall portion of said aperture means and after emergence from said cut path acts to prevent unintentional removal of said device from said aperture means, said device having a part for coaction with said casing member to limit movement of said plug member relative thereto.

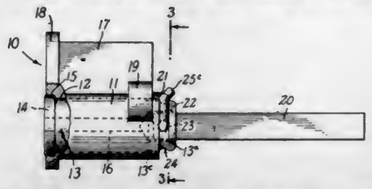
2,135,323

LOCK CONSTRUCTION

Sigurd Brantingson, Palisades Park, N. J., assignor to Francis Keil & Son, Inc., a corporation of New York

Application July 17, 1937, Serial No. 154,131
17 Claims. (Cl. 70—379)

1. In lock construction, in combination, a casing member, a key plug member movably mounted therein, an operating bar member for transmitting movement from said key plug member, said key plug member having a recess in its rear end for receiving said bar member and having opposed apertures communicating with said recess, said key plug member having also a groove in its periphery and extending from at least one of said apertures, and a device made of springy material and having two portions, one portion of which is



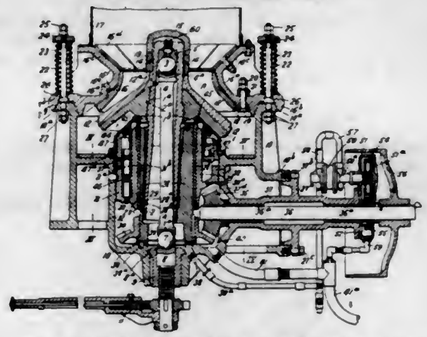
insertable into said opposed apertures for engagement with said bar member in said recess and the other portion of which is sprung into engagement with said groove, said two portions, by the springiness of said material, gripping part of said plug member therebetween to hold said device in position.

2,135,324

GYRATORY CRUSHING MACHINE

Peter Boswell Brown, Sheffield, England

Application November 11, 1936, Serial No. 110,209
In Great Britain January 4, 1936
9 Claims. (Cl. 83—10)



1. In a gyratory crushing machine, a gyratory crushing head, a hollow gyratory shaft connected to and depending from said crushing head, a concave arranged to form a downwardly and outwardly flaring crushing zone with said crushing head, a supporting shaft located within said crushing head and hollow shaft, a spherical bearing at or near to the centre of gyration carried by the upper end of said supporting shaft and upon which said crushing head and hollow shaft are mounted to gyrate, a lower spherical bearing carried by the lower portion of the frame of the machine and upon which the lower end of said supporting shaft is mounted, and means for gyrating said crushing head and hollow shaft.

2,135,325

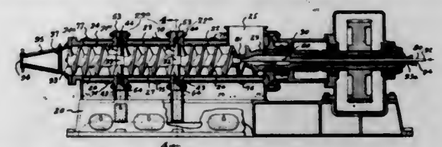
APPARATUS FOR FINISHING SOAP

Robert V. Burt, Cincinnati, and Robert A. Duncan and Robert J. Short, Wyoming, Ohio, assignors to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio

Application April 1, 1935, Serial No. 14,104
11 Claims. (Cl. 87—16)

1. A soap treating machine comprising in combination two co-axial cylinders having abutting flanges, said flanges cut away at two sides to leave

a passageway across and between the two cylinders, grooves forming a slideway on opposite sides of said passageway formed in the meeting faces of the flanges, complementary screening elements movable across said passageway in said grooves, means for forcing said complementary screening



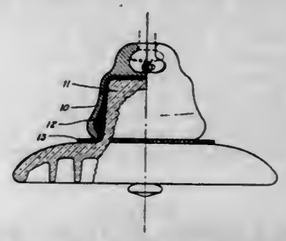
elements into position between the cylinders and withdrawing the same therefrom, a single shaft passing through both cylinders, feeding flights on said shaft within the cylinders, said complementary screening element arranged with complementary curved portions to seat over the shaft between the cylinders.

2,135,326

METHOD OF ASSEMBLING ELECTRIC INSULATORS

Otho G. Calland, Barberton, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey

Application December 27, 1937, Serial No. 181,939
3 Claims. (Cl. 18—59)



1. The method of assembling an insulator comprising the steps of introducing cement into an opening in a metal fitting, applying packing material to a dielectric member in position to fill the space within said fitting immediately adjacent the extremity of said fitting when said dielectric member is inserted into said opening, inserting said dielectric member into said opening and said packing material into the space within said opening immediately adjacent the extremity of said fitting and subsequently removing said packing material to leave a clear space about said dielectric member within said opening adjacent the termination of said fitting, said space being deep enough that the projecting edge of said fitting forms an electrostatic screen to prevent electrical discharge from the termination of said cement.

2,135,327

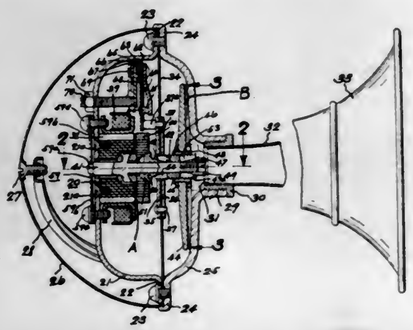
MOTOR FUEL CONTAINING NITRILES

Victor Conquest, Chicago, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application June 29, 1936,
Serial No. 88,063
4 Claims. (Cl. 44—9)

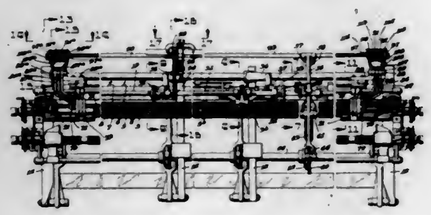
1. A motor fuel of the gasoline or kerosene type containing a small amount of at least one straight-chain aliphatic nitrile having at least twelve carbon atoms.

2,135,328
SOUNDING SIGNAL DEVICE
Robert M. Critchfield, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 5, 1934, Serial No. 724,010
15 Claims. (Cl. 177—7)



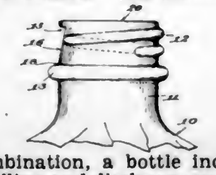
1. In a sounding signal, an air impeller device comprising in combination, a diaphragm, a disc and an armature, means adjustably uniting the diaphragm, disc and armature into a single oscillatable assembly and comprising in combination, a rod having a universal joint connection with the armature, a sleeve having internal conical surfaces and provided with external surfaces threaded into the diaphragm and disc, conical wedges cooperating with the conical surfaces of the sleeve to force the sleeve ends into binding engagement with the disc and diaphragm, one of said wedges being threaded upon the rod end for securing the parts in adjusted relation.

2,135,329
THREAD CARRIER CONTROL MECHANISM FOR STRAIGHT KNITTING MACHINES
Percy S. Curry, Philadelphia, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application April 20, 1934, Serial No. 721,519
14 Claims. (Cl. 66—127)



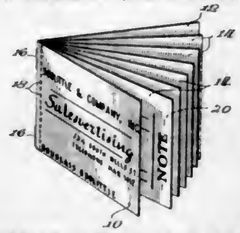
1. In a flat knitting machine comprising a plurality of thread bars, a single means for longitudinally reciprocating all of said bars, and means responsive to operation of the machine including means for selectively connecting said bars to said reciprocating means, means for effecting said selections, means for locking said bars against longitudinal movement, means for releasing a selected bar from said locking means, and means for synchronizing the actuations of said selecting and releasing means including a shaft rotated step-wise and common to both said connecting and releasing means.

2,135,330
DISPENSING CONTAINER
Michael S. Desser, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application February 1, 1937, Serial No. 123,370
2 Claims. (Cl. 215—31)



2. In combination, a bottle including a neck defining a filling and discharge opening and having concentric cylindrical inner and outer surfaces, said neck having a continuous annular sealing surface of uniform width at its outer end, external screw threads on said neck, said outer surface of the bottle neck being provided with a cutaway portion having a plane upwardly and inwardly inclined surface below the rim of said neck providing an outwardly extending lateral restricted pouring lip at the mouth of said bottle neck, said pouring lip being contained wholly within the cylindrical confines of said neck, the thickness of the neck wall in the lower regions of said cutaway portion being greater than the thickness of the wall in the upper regions of said cutaway portion, the width of said cutaway portion in the lower regions thereof being less than the width thereof in the upper regions thereof, said screw threads being interrupted medially of their ends to accommodate said cutaway portion of the neck.

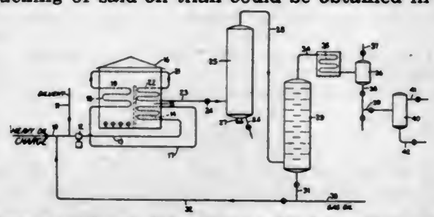
2,135,331
ADVERTISING DEVICE
Douglass Doolittle, La Grange, Ill., assignor to Salesvertising Associates, Inc., Chicago, Ill., a corporation of Illinois
Application September 10, 1936, Serial No. 100,134
3 Claims. (Cl. 283—56)



1. A combined calling card and advertising booklet comprising a booklet having a relatively stiff front cover bearing indicia constituting said cover a calling card, said cover being detachably secured to the remaining portion of the booklet, said front cover being of smaller size than the remaining sheets of the booklet, thereby to expose a marginal portion of another page of the booklet when the booklet is in closed condition, and indicia carried by said exposed portion designed to arouse the interest of a recipient in the other pages of said booklet.

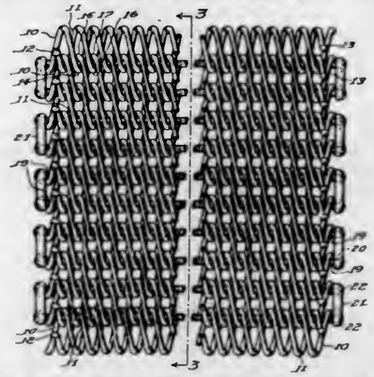
2,135,332
CONVERSION OF HYDROCARBON OIL
Wright W. Gary, Great Neck, N. Y., assignor to Gasoline Products Company, Inc., Newark, N. J., a corporation of Delaware
Application December 31, 1935, Serial No. 56,876
2 Claims. (Cl. 196—62)

1. A method of converting higher boiling petroleum oil of the nature of reduced crude and consisting mainly of constituents boiling above about 700° F. and containing residual constituents into lower boiling products which comprises admixing said oil with from 10% to about equal parts by weight of water which under conditions subsequently obtaining will enable more drastic cracking of said oil than could be obtained in its



absence without deleterious coke formation, subjecting said mixture to a temperature of from about 960°–975° F. while being maintained under superatmospheric pressure to effect substantial cracking thereof without substantial hydrogenation into lower boiling hydrocarbons, separating the cracked products and recovering said lower boiling products.

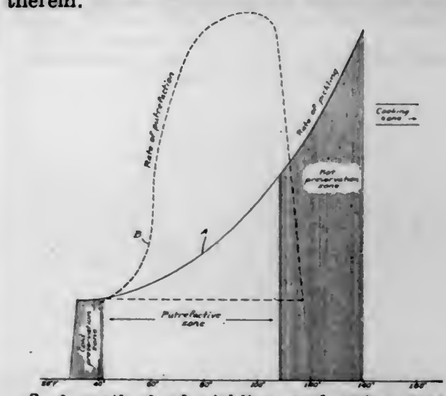
2,135,333
WOVEN WIRE FABRIC
Raymond J. Guba, Philadelphia, Pa., assignor to Audubon Wire Cloth Corporation, a corporation of New Jersey
Application November 9, 1937, Serial No. 173,562
8 Claims. (Cl. 245—6)



1. A woven wire belt comprising a plurality of interwoven helical coils having the turns of each overlapping and interlocking with the turns of adjacent coils to form a continuous fabric, a continuous hinge rod extending entirely through each coil between the turns thereof and the overlapping turns of each adjacent coil, and means for rigidly connecting the ends of each rod with the corresponding ends of an adjacent rod.

2,135,334
PROCESS OF AGING AND PICKLING MEAT AND THE LIKE
Charles C. Guthrie and William S. McElroy, Pittsburgh, Pa.
Application January 30, 1937, Serial No. 123,235
3 Claims. (Cl. 99—107)

1. A method of hot aging meat or other substance of animal origin which comprises subjecting the same to a temperature between about 110° F. and 140° F. under undehumidified conditions and maintaining the same at such temperature for a length of time adequate to develop desired physical, chemical and gustatory qualities therein.



2. A method of pickling and aging meat or other substance of animal origin which comprises heating a pickling solution to a temperature between about 110° F. and 140° F. and immersing the meat or other substance in said pickling solution for a period of time adequate to develop desired physical, chemical and gustatory qualities therein, whereby pickling is effected in a reduced period of time as compared with conventional pickling at low temperature.

2,135,335
SHOE HEEL MEMBER
William P. Harty, Winchester, Va., assignor to The O'Sullivan Rubber Co., Inc., Winchester, Va.
Application July 21, 1937, Serial No. 154,902
4 Claims. (Cl. 36—35)



1. A heel member comprising a plurality of integrally connected sections and having a groove extending across its tread face and thence extending upwardly of its side faces in conformity with the line of connection of the sections.

2,135,336
COPPER BASE ALLOY
Franz R. Hensel and Earl I. Larsen, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Application April 20, 1937, Serial No. 137,986
5 Claims. (Cl. 75—160)

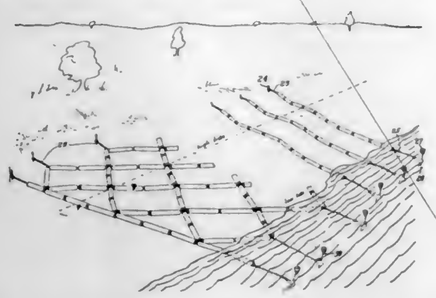
1. An alloy composed of:

	Per cent
Cobalt	.1 to 10
Silicon	.05 to 5
Beryllium	.05 to 2.5
Copper	Balance

2,135,337
MESH JETTY
Thomas R. Herbest, Jr., Pittsburgh, Pa.
Application February 14, 1936, Serial No. 63,910
6 Claims. (Cl. 61—4)

1. In combination with a beach, a jetty comprising a series of tubular reticulated members

resting upon the beach and extending from a point above high water mark to a point below low water mark and anchoring means for the



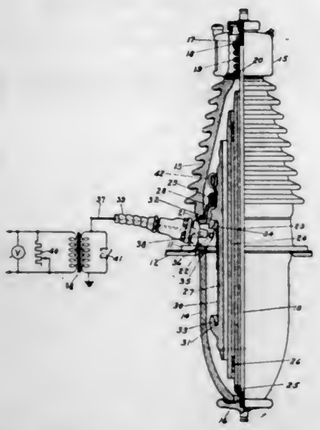
end members only for substantially maintaining the relative position of said members on the beach while permitting limited movement of the same with respect to the beach.

2,135,338

CAPACITANCE COUPLER

Ralph Higgins, Akron, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey

Application April 29, 1936, Serial No. 76,953
2 Claims. (Cl. 175—41)



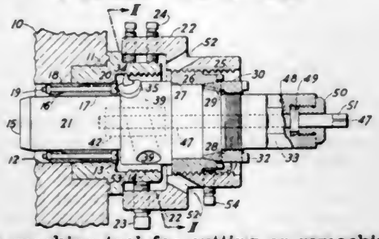
1. The combination with a bushing insulator having a conductor extending therethrough, of a grounded fitting for said bushing insulator, a capacitance coupler comprising a capacitance sleeve surrounding said conductor, a portion of said conductor extending beyond said sleeve, and a grounded flux control sleeve disposed within said bushing insulator beyond the end of said capacitance sleeve but adjacent thereto and having its inner surface of substantially the same diameter as the inner surface of said capacitance sleeve, said inner surfaces being arranged in registration with each other, said flux control sleeve being interposed between said bushing insulator and said conductor for diverting, from said capacitance sleeve, lines of force emanating from a portion of said conductor extending beyond but adjacent to the end of said capacitance sleeve.

2,135,339

RETHREADING MACHINE FOR RESTRICTED BORES

Ivan H. Ihm and Charles F. Tuttle, Richmond, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware

Original application March 12, 1935, Serial No. 10,622. Patent No. 2,117,327. Divided and this application May 16, 1938, Serial No. 208,147
6 Claims. (Cl. 10—129)



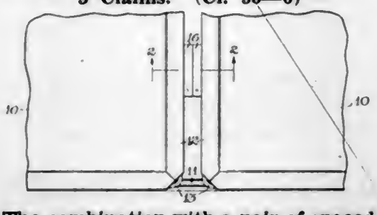
1. A machine tool for cutting or remachining a screw thread in a restricted bore in a body such as a pressure still header, comprising a boring bar, means for axially aligning said bar with said bore, a substantially transversely extensible cutter carried by said bar, a threaded guide member, means for securing said member to said body, and means separate from said cutter engageable, respectively, with said bar and said threaded guide member to be rotated by said bar and to guide said bar and said cutter in a helical path determined by the pitch of the threads on said threaded guide member.

2,135,340

STAY FOR PAN SETS

Joseph G. Jackson, Oak Park, Ill., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois

Application February 23, 1937, Serial No. 127,329
5 Claims. (Cl. 53—6)



1. The combination with a pair of spaced pans, having outstanding beads containing wires at the edges of the walls thereof, of a stay interposed between said pans, end flanges on said stay seated about the wires of the adjoining beads, and coplanar ears integrally formed on the walls of said pans and attached to said stay.

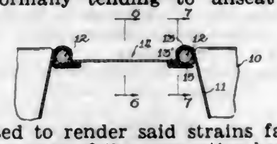
2,135,341

PAN SET STAY

Joseph G. Jackson, Oak Park, Ill., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois

Application February 23, 1937, Serial No. 127,330
13 Claims. (Cl. 53—6)

13. The combination with a pair of spaced baking pans, of a stay interposed between said pans, a connection between each end of said stay and the pan adjacent thereto, and means including an independent connection spaced inwardly of the ends of said stay and the pan adjacent thereto whereby portions of said stay exposed to strains normally tending to unseat said stay



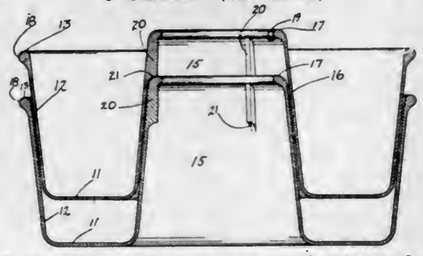
are adapted to render said strains favorable to the maintenance of the connection between each end of said stay and the pan adjacent thereto.

2,135,342

TUBED CAKEPAN

Joseph G. Jackson, Oak Park, Ill., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois

Application December 31, 1937, Serial No. 182,851
6 Claims. (Cl. 53—6)



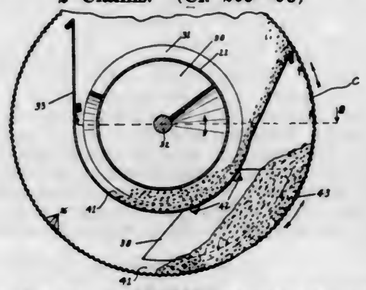
1. A cake pan having a central tube and side walls to provide a receptacle adapted to be nested within a pan of similar construction, the inner surface of the tube having outstanding means engageable by the upper edge of the tube of a subjacent pan in advance of tight nesting of the pans.

2,135,343

GRAIN SEPARATOR

Harry L. Johnson, Minneapolis, Minn.

Application September 30, 1935, Serial No. 42,811
2 Claims. (Cl. 209—95)



1. In a grain separating machine, a rotatable, pocketed separating cylinder for separating grain from a grain body moving longitudinally therethrough, a trough for receiving grain elevated by the pockets when the cylinder is rotated, and a series of obliquely disposed normally stationary flights disposed in the cylinder below the trough and for projecting downwardly into said grain body, said flights each being disposed at an angle presenting a forward face inclined in the direction of progress of grain axially in the cylinder whereby such forward face will receive a return flow of unelevated grain and advance it forwardly in the cylinder, said flights having their lower edges spaced from the cylinder surface sufficiently so as not to interfere with the grain layer being elevated thereby.

2,135,344

TRANSPOSED LEAD-IN

Fred E. Johnston, Cincinnati, Ohio, assignor to The Crosley Radio Corporation, Cincinnati, Ohio, a corporation of Ohio

Application July 26, 1935, Serial No. 33,370
9 Claims. (Cl. 173—81)



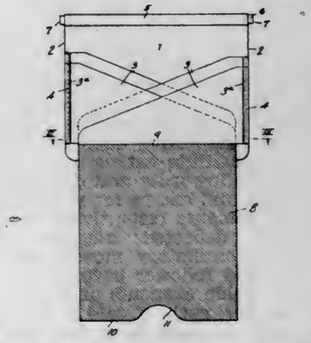
1. In a transposed lead-in structure comprising a pair of conductors parallel throughout a major portion of their length, but transposed at intervals, a pair of permanently attached plates at the transposition points having grooves whose axes cross within the boundaries of the plates, for effecting the transposition and for gauging the interspacing of said conductors in their parallel portions.

2,135,345

CARBON TRANSFER SET

Bernard Ambrose Ignatius Kelly, London, England, assignor to Gilman Fanfold Corporation, Niagara Falls, N. Y., a corporation of Delaware

Application March 30, 1937, Serial No. 133,871
In Great Britain March 30, 1936
6 Claims. (Cl. 282—29)



1. A transfer set including, in combination, a backing sheet, a plurality of transfer sheet supporting blades attached to the opposite laterally disposed marginal portions of said backing sheet, said supporting blades being arranged in superposed relation with each other at each side of the backing sheet and each having a hinge adjacent its attachment with the backing sheet to provide for swinging movements thereof away from said sheet, and a transfer sheet attached to each of said blades.

2,135,346

PROCESS FOR THE PREPARATION OF AMINOANTHRAQUINONE SULPHONIC ACIDS AND NEW COMPOUNDS OBTAINABLE THEREBY

Henry R. Lee, South Milwaukee, and David X. Klein, Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 24, 1937, Serial No. 127,566
6 Claims. (Cl. 260—60)

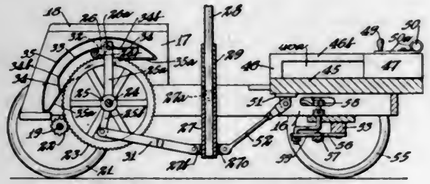
4. As new compounds, the 1-amino-2-anthraquinone sulphonic acids which carry a monovalent substituent of the class consisting of $—NO_2$, $—SO_3H$, and $—OCH_3$ in the benzene ring of the anthraquinone nucleus opposite the one to which the amino and sulphonic acid groups are attached, the $—NO_2$ group when present being in one of the positions 5 and 8, and which may be prepared by heating the corresponding substituted 1-aminoanthraquinone in an inert high-boiling solvent with chlorosulphonic acid at temperatures of 145° C. and above.

2,135,347

VEHICLE

John L. Lorbeski, Minneapolis, Minn.

Application October 14, 1937. Serial No. 168,925
3 Claims. (Cl. 74—151)



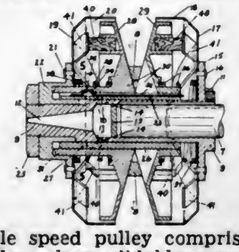
1. Mechanical transmission apparatus including a rotatably mounted gear, a body movable in a path parallel to the periphery of said gear, means for oscillating said body in said path, an element carried by said body and shiftable relative thereto into and out of engagement with said gear, a follower carried by said element, an arcuate guide member extending parallel to said path and adapted for running of said follower alternatively at the inner and outer sides thereof to maintain said element correspondingly in and out of engagement with said gear, a pair of guide elements so swingably mounted at the respective ends of said guide member as to constitute extensions thereof angularly deflectable inwardly and outwardly relative to said gear, and means for yieldingly holding said guide elements respectively in inwardly and outwardly deflected angular positions whereby, during oscillatory movements of said body carrying said follower beyond the ends of said respective guide elements and then toward said guide member, each of said guide elements will deflect said follower from one side to the other of said guide member so that said follower will circumscribe said guide member responsive to oscillation of said body and place said gear-engaging element in engagement with said gear only during movements of said body in one direction, said holding means being shiftable to reverse the direction of deflection of the respective guide elements whereby the direction of movement of said body during which said gear-engaging element is engaged with said gear may be selectively determined.

2,135,348

VARIABLE SPEED PULLEY

Isaac E. McElroy and Richard H. Shadrick, Minneapolis, Minn., assignors to Minnesota Appliance Corporation, Minneapolis, Minn., a corporation of Minnesota

Application August 8, 1936, Serial No. 94,956
7 Claims. (Cl. 74—230.17)



1. A variable speed pulley comprising a hub forming spindle, a sleeve slidably mounted on the spindle, a belt groove forming disc secured rigidly upon one end portion of the sleeve so as to be adjustable therewith, a second belt groove forming disc mounted upon the opposite end portion of the sleeve and slidable with respect thereto for adjustment relative the first mentioned disc to thereby permit adjustment of the effective diameter of the belt groove, and cam acting means carried by opposite ends of the spindle and for engagement with the respective discs to establish driving connections therewith.

2,135,349

IMPREGNATION OF MATERIALS

Louis A. Meisse, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey

No Drawing. Application April 24, 1937, Serial No. 138,863
1 Claim. (Cl. 91—70)

The method of forming electrical insulation comprising the steps of impregnating a body of vulcanized fibre with phenol and formaldehyde, enclosing the impregnated body in an autoclave together with carbon dioxide in a nongaseous form, heating the contents of the autoclave to approximately 350° F., thus vaporizing the carbon dioxide, the amount of carbon dioxide in the autoclave being sufficient to produce a pressure of from 500 to 2,000 pounds per square inch, continuing the heat and pressure in the autoclave to resinify the phenol and formaldehyde, removing the impregnated body from the autoclave, submitting the body to a drying operation and thereafter to heat and pressure to complete polymerization of the resin produced within the body.

2,135,350

PROCESS OF DYEING MULTICOLORED FABRICS IN THE PIECE

George R. Meyers, Hawthorne, N. J., assignor to S. J. Aronsohn, Inc., New York, N. Y., a corporation of New Jersey

No Drawing. Application February 24, 1938, Serial No. 192,330
8 Claims. (Cl. 28—1)

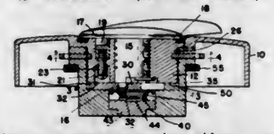
1. The herein described process of manufacing a composite fabric which comprises dyeing a portion of yarn of one process in the skein with a fugitive tint, dyeing the remainder of such yarn with a color fast to a boiling soap solution, preparing a portion of the composite fabric from such yarn, in such proportions and configurations as to obtain any desired design, sizing the yarn on a slasher, weaving said fabric portion with another portion constituted of a rayon of another process, stripping the fabric of size and the fugitive tint, and thereafter dyeing the completed fabric in the piece with dyestuff which effects the dyeing of the rayon of the second process but which has no effect upon the yarn of the first process.

2,135,351

LOCKING CLOSURE

Charles H. Nehls, Detroit, Mich.

Application December 11, 1936, Serial No. 115,298
2 Claims. (Cl. 70—165)



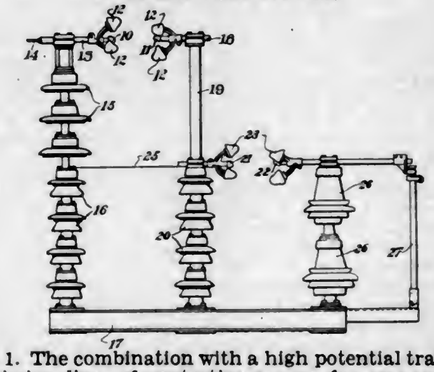
1. A locking cover construction comprising a cupped closure member, a body member rotatably connected to the closure member, locking means carried by and rotatable with the body member, including a detent movable into and out of a position in detaining engagement with both of said members, said body member having a portion rotatably extending into the cupped closure member, said detent being slidably mounted between the bottom of said portion and the bottom of the closure member, inside the latter and outside the former, cooperating abutment portions between which the detent is slidable, carried both by said body portion which projects into the cupped closure member and by the cupped closure member, said detent being movable to and from bridging relation with the abutment portions to connect and disconnect the body and closure members, external lug-forming means comprising a transverse member carried by and projecting at its ends from the closure member, said transverse member also being arranged at least partly between said closure member and said portion of the body member which projects thereinto, and a spring arranged between said detent and transverse member for urging one against said body member and the other against the closure member, and also urging said body and closure members longitudinally with relation to each other.

2,135,352

MULTIPLE ARCING GAP

Harold L. Rorden, Barberton, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey

Application October 25, 1935, Serial No. 46,753
4 Claims. (Cl. 175—30)



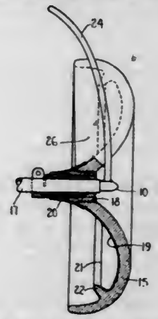
1. The combination with a high potential transmission line, of protective means for apparatus connected to said line, said protective means comprising a plurality of arcing gaps connected in series in a circuit between said line and ground, each of said gaps having flux controls associated with the terminals thereof for imparting a short time lag characteristic to said gaps, normally open circuit means in series with said gaps for interrupting a power arc following an impulse discharge over said gaps, a condenser in parallel with said power arc interrupting means to facilitate discharge across said gaps and a plurality of condensers in series with each other in a circuit in parallel with said first named circuit, each of said condensers being in shunt with a portion of said first named circuit including one of said gaps.

2,135,353

ARCING ELECTRODE

Harold L. Rorden, Barberton, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey

Application December 31, 1936, Serial No. 118,530
6 Claims. (Cl. 175—30)



1. An arcing electrode comprising a conductor rod having a discharge terminal at the forward end thereof, a sleeve slideably mounted on said conductor rod, a flux control for said terminal comprising a dielectric member having an opening therethrough surrounding said sleeve, cement securing said sleeve in said opening, the rear surface of said dielectric member extending outwardly and forwardly from said sleeve in the rear of said terminal and being curved to form a concave rear surface of said dielectric member, said surface being coated with conducting material, and a conducting sheet secured to said conducting coating and to said sleeve and forming a continuation of said coating bridging the cement between said sleeve and dielectric member.

4. In combination a discharge terminal for an arcing gap, flux control means for distributing the electrostatic field about said terminal, said flux control means providing an open space above said terminal, and an arcing horn extending upwardly from said terminal within said open space to a point substantially free from the influence of said control means, said horn being inclined rearwardly to provide a striking distance which progressively increases outwardly along said horn.

2,135,354

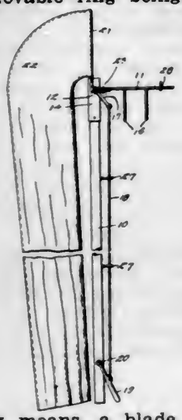
FRUIT PICKER

Paul R. Sammons, McAllen, Tex., assignor of one-half to Freeman R. Ratcliff, Mission, Tex.

Application January 13, 1938, Serial No. 184,894
2 Claims. (Cl. 56—336)

1. A fruit picker of the character described, comprising an elongated handle, a ferrule mounted on the upper end of the handle, a stationary ring carried by the ferrule and projecting longitudinally therefrom, a movable ring pivotally mounted upon the ferrule and provided with

transversely extending bars, an arm connected to the movable ring, a link rod connected to said arm and having a guiding connection with the handle, the movable ring being provided with



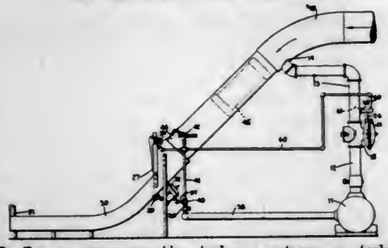
fruit engaging means, a blade carried by the movable ring, and a relatively stationary blade carried by the stationary ring and co-acting with the first named blade, as and for the purpose set forth.

2,135,355

PNEUMATIC TUBE TERMINAL

Joseph M. Scanlan, Syracuse, N. Y., assignor, by mesne assignments, to The Lamson Company, Syracuse, N. Y., a corporation of Massachusetts

Application March 7, 1934, Serial No. 714,362
Renewed October 28, 1936
17 Claims. (Cl. 243—12)



13. In a pneumatic tube system a tube for transmitting a carrier from one point to another, power means connected to said tube for providing a carrier propelling flow of air therethrough, a valve for controlling said power means, pneumatic means for operating said valve, a conduit connected directly to said pneumatic means, said pneumatic means being connected to said power means to maintain said valve open while a carrier is passing along the tube, and means engaged by the carrier as it passes a given point in the tube for causing opening of said conduit to the atmosphere thereby promptly closing the valve.

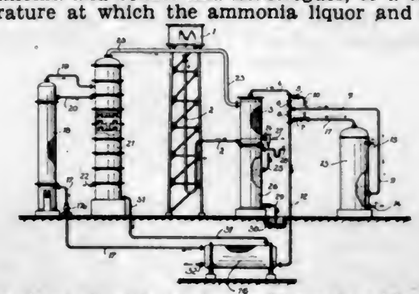
2,135,356

EXTRACTION OF BENZENE AND ITS HOMOLOGUES FROM GASES CONTAINING AMMONIA

Adolf Schmalenbach, Essen-on-the-Ruhr, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware

Application December 11, 1935, Serial No. 53,986
In Germany February 9, 1934
3 Claims. (Cl. 260—674)

1. In a process for recovering benzene and its homologues and ammonia from coal distillation gases containing the same, which comprises: washing the coal gas while it still contains its ammonia and benzol and homologues with a benzol absorbent wash oil so as to concurrently remove in a single scrubbing step both the ammonia and the benzol and its homologues by the medium of the benzol absorbent wash oil; heating the spent absorbent oil, after it leaves the gas but while still containing the absorbed ammonia and benzol and homologues, to a temperature at which the ammonia liquor and the



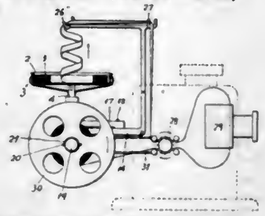
absorbent oil with its absorbed benzol and homologues oil will separate from each other by gravity; maintaining absorbent oil at this temperature while separating the ammonia liquor from the absorbent oil by gravitational separation by their differences in specific gravity, and then removing them from each other; thereafter distilling the removed absorbent oil to liberate the benzol and homologues therefrom; and thereafter returning the benzol absorbent wash oil, freed of ammonia and benzol, to the aforesaid single gas washing step.

2,135,357

CINEMATOGRAPHIC FILM WINDING MECHANISM

Takeo Shimizu, Tokyo, Japan, assignor to Zaidan Hojin Rikagaku Kenkyujo, Tokyo, Japan

Application March 18, 1937, Serial No. 131,742
In Japan March 25, 1936
1 Claim. (Cl. 88—18.7)



In cinematographic film winding apparatus, a winding shaft, means for rotatably supporting said winding shaft, a cylinder having stopping nails fitted to one end of the shaft, elastic pressing pieces circumferentially arranged around the cylinder and extending parallel to the axis of the shaft, a film winding reel provided with holes for receiving the nails and the elastic pressing member mounted on said cylinder, a pair of bevelled gear wheels mounted face to face in a spaced relation on the other end of the shaft, a vertical shaft, a film feed disk secured to said vertical shaft, a bevelled gear mounted on said vertical shaft adjacent said pair of bevelled gears, a bearing for said vertical shaft, a pivotably mounted lever connected to said bearing so that movement thereof will cause engagement of the bevelled gear carried by the vertical shaft with one gear wheel of said pair, and means for guiding the film from the feeding disk to the projecting apparatus whereby the film may be wound on said reel after leaving said projecting apparatus when said first mentioned shaft is rotated.

2,135,358

PROCESS FOR SULPHONATING AND SULPHATING OLEFINES

Chester Merle Suter, Evanston, Ill., assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio

No Drawing. Application April 15, 1937, Serial No. 137,041
10 Claims. (Cl. 260—99.12)

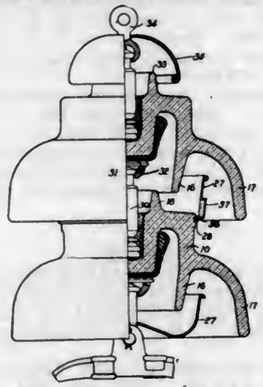
1. The process of making sulphuric reaction products which comprises treating an olefine with the reaction product of sulphur trioxide with dioxane.

2,135,359

SUSPENSION INSULATOR

John J. Taylor, Wadsworth, and Floyd G. Bovard, Akron, Ohio, assignors to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey

Application April 20, 1935, Serial No. 17,440
10 Claims. (Cl. 173—318)



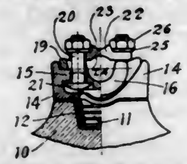
6. An insulator string formed of a plurality of units connected together by ball and socket joints, adjacent units in said string having oppositely extending flanges thereon arranged in overlapping relation to enclose the joint between said units, one of said flanges being movable relative to its unit to facilitate assembly of the units in the string.

2,135,360

CONDUCTOR SUPPORT

John J. Taylor, Wadsworth, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey

Application February 20, 1936, Serial No. 64,859
7 Claims. (Cl. 173—313)



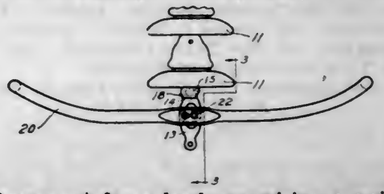
3. A conductor support comprising a cradle, a pivot stud for supporting said cradle, said cradle having a pocket therein for receiving said stud, a keeper for holding a conductor in said cradle, and a bolt for holding said keeper on said cradle and for locking said pivot stud in said pocket.

2,135,361

SUPPORT

John J. Taylor, Wadsworth, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey

Application August 13, 1936, Serial No. 95,759
7 Claims. (Cl. 173—251)



3. A support for a load comprising a pair of links each having seats spaced apart transversely to the direction of the load on said links and also transversely to the direction of the pivotal axes of said seats, a pair of transversely spaced pivots engaging said seats each pivot engaging one seat in each link and providing a common pintle on which said seats are journaled, and a member fixed to said pivots and normally held in predetermined relation to said links by the force on said links.

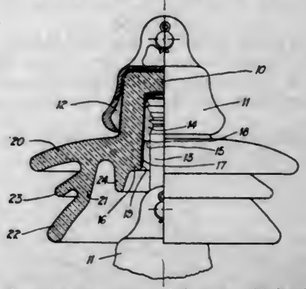
5. A support for a conductor comprising an insulator string, a link secured to said string and having horizontally spaced pivotal seats therein, a pair of pivots mounted respectively in said seats, and an arcing horn carried by said pivots and rigidly connecting said pivots together.

2,135,362

INSULATOR

John J. Taylor, Wadsworth, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey

Application October 27, 1937, Serial No. 171,285
4 Claims. (Cl. 173—318)



1. An insulator comprising a dielectric member having a radially extending flange, a petticoat extending downwardly from the lower surface of said flange at substantially the midposition radially thereof, said dielectric member having an axially extending pin hole therein, the material of said dielectric member extending downwardly about the mouth of said pin hole below the lower surface of said flange forming a hollow boss to provide an extension for said pin hole, the inside wall of which extension is in substantially straight alignment with the inside wall of said pin hole, a pin disposed in said pin hole, cement retaining said pin in position in said pin hole, the lower surface of said cement being spaced inwardly from the mouth of said pin hole an amount comprising the thickness of the boss about the mouth of said pin hole and the major portion of the thickness of said flange, the inner surface of said

pin hole from the surface of said cement to a point adjacent the mouth of said pin hole being covered with a conducting coating.

2,135,363

SOLVENT REFINING OF MINERAL OIL

René de M. Taveau, Beacon, Louis A. Clarke, Fishkill, and Robert E. Manley, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application July 5, 1934, Serial No. 733,864
2 Claims. (Cl. 196—13)

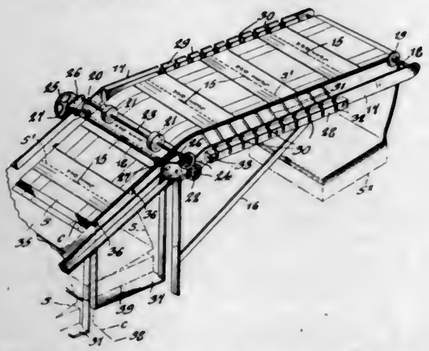
2. The method of removing asphalt from heavy residual wax-bearing oil at a temperature in the range 120° to 150° F. and substantially above the temperature at which waxy constituents of the oil become solid which comprises subjecting the oil to countercurrent contact with a substantially non-aqueous mixture of isopropyl alcohol, butyl alcohol and extraction solvent having the essential selective action of furfural as between naphthenic and paraffinic constituents of oil in proportion such that the alcoholic mixture has substantially no solvent action on the asphaltic constituents and substantially complete solvent action on the non-asphaltic constituents of the oil, forming an asphaltic phase comprising asphaltic constituents mixed with a small amount of solvent, and a non-asphaltic phase comprising non-asphaltic constituents dissolved in the bulk of the solvent, separating the two phases, extracting the non-asphaltic phase with a further quantity of extraction solvent to remove low viscosity index constituents thereby producing a raffinate phase of high viscosity index containing wax, and dewaxing the raffinate phase in the presence of the extraction solvent and a further quantity of alcohol such that the solvent mixture has selective action as between oil and wax at the dewaxing temperature.

2,135,364

STRIP FASTENER RELEASE

Robert P. Templeton, Niagara Falls, N. Y., assignor to American Sales Book Company, Inc., Niagara Falls, N. Y., a corporation of Delaware

Application March 21, 1936, Seril No. 70,139
28 Claims. (Cl. 271—2.1)



1. In a device of the character described, in combination, means for moving a strip assembly having a plurality of strip fastenings spaced therealong and fastening the assembly strips together, releasing means operable by assembly movement for releasing said fastenings to free the strips from each other, and means whereby said releasing means functions to release sequentially the fastenings between the different pairs of adjacent strips.

2,135,365

METHOD OF AND AGENT FOR PRODUCING FIRE EXTINGUISHING FOAM

Lewis G. Morris Timpson, Plainfield, N. J., assignor to Pyrene-Minimax Corporation, Newark, N. J., a corporation of Delaware

No Drawing. Application July 6, 1936, Serial No. 89,121
10 Claims. (Cl. 23—11)

1. In a process of producing fire extinguishing foam in which a gas is incorporated in a liquid stream by aspiration, the step of adding to said liquid a soap of the group consisting of potassium and ammonium soaps of non-drying oils having an iodine number below substantially 25.

2,135,366

NAPHTHAZARINE INTERMEDIATE-AROMATIC AMINE CONDENSATION PRODUCTS

John M. Tinker, Penns Grove, and Louis Spiegler, Woodbury, N. J., and David X. Klein, Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 29, 1937, Serial No. 139,730
5 Claims. (Cl. 260—56)

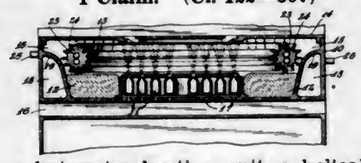
1. As new compounds, the condensation products of equal molecular quantities of naphthazarine intermediate and an amine of the benzene series.

2,135,367

HOT WATER HEATING DEVICE

Albert B. Trencavel, New York, N. Y., assignor, by direct and mesne assignments, to American Hot Water Systems, Inc., a corporation of Delaware

Application February 12, 1937, Serial No. 125,396
1 Claim. (Cl. 122—367)



In a hot water heating unit, a helical coil of pipe, a cast metal housing embedding said coil, said coil having an inlet and an outlet leading tangentially to and from same, and fin-like ridges projecting radially around the perimeter of said housing.

2,135,368

METHOD OF PREPARING QUINONE

Nels Harold Vagenius, Chicago, Ill., and Rollo J. Kidd, Warrensville, Ohio

No Drawing. Application October 10, 1934, Serial No. 747,726
7 Claims. (Cl. 204—9)

1. The process of producing a quinone oxidation product of a phenol, at least part of which is obtained as a precipitated solid, which comprises passing a direct electric current through an aqueous solution of an acidic inorganic electrolyte which is a solvent for the phenol and which contains a substantial amount but less than three per cent of the phenol in solution while maintaining the electrolyte at a temperature ranging from 0° C. to 17° C.

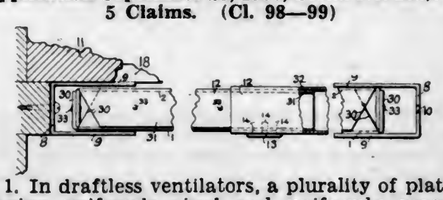
3. The process of producing a quinone oxidation product of a phenol, at least part of which is obtained as a precipitated solid, which comprises passing a direct electric current through a dilute aqueous solution of sulphuric acid containing a substantial amount but less than three per cent of phenol to oxidize the phenol while maintaining the electrolyte at a temperature ranging from 0° C. to 17° C.

2,135,369

DRAFTLESS VENTILATOR

Herman F. Wagner, Chesterton, Ind.

Application September 25, 1936, Serial No. 102,622
5 Claims. (Cl. 98—99)



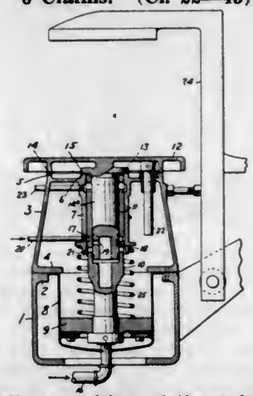
1. In draftless ventilators, a plurality of plates having uniformly sized and uniformly spaced openings therethrough, a flange along each edge of each plate said flanges being disconnected at the corners, means for assembling the plates spaced apart with the respective flanges of one plate overlapping the respective flanges of the other plate, and means for holding the plates in an assembled relation so that the openings of one plate are staggered intermediate of the openings of the other plate in two directions.

2,135,370

MOLDING MACHINE

Frank R. Wallace, Philadelphia, Pa., assignor to The Tabor Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application May 14, 1937, Serial No. 142,544
6 Claims. (Cl. 22—45)



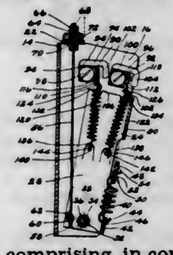
1. A molding machine of the valveless jarring squeezing type comprising in combination a hollow base having an inturned annular flange at its top, a hollow jarring base having at its bottom an inturned annular flange mounted on and extending inward beyond the first mentioned flange and having at its top upstanding concentric ribs and a guide sleeve depending from the inner rib, a squeezing cylinder depending from the flange of the jarring base into the hollow base, a spring pressed piston in the squeezing cylinder of greater diameter than the opening in the annular flange at the bottom of the jarring base, a piston rod connected with the squeezing piston and arranged in the guide sleeve and providing a plunger barrel open at its top, a jarring table spaced from the plunger barrel and provided with a plunger arranged in the barrel and with projections adapted to cooperate with said ribs, and fluid connections for actuating the piston and plunger.

2,135,371

CIRCUIT CONTROL DEVICE

Calvin J. Werner, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Original application September 6, 1934, Serial No. 742,941, now Patent 2,095,579, dated October 12, 1937. Divided and this application September 5, 1935, Serial No. 39,293. Renewed March 7, 1938
10 Claims. (Cl. 200—113)



1. A switch comprising, in combination, a main support, an auxiliary support member electrically insulated from and pivotally connected to the main support, means resiliently urging the auxiliary support member in one direction about its pivotal connection to the main support, a movable contact electrically and pivotally connected to the auxiliary support member, a cooperating stationary contact insulatingly secured to the main support in alignment for engagement with the movable contact, means effecting snap engagement and disengagement of the contacts in response to movement of the auxiliary support member, and a thermal-responsive element for controlling the movement of the auxiliary support member, said thermal-responsive element comprising a substantially straight wire adjustably anchored at one end to the main support and having its other end electrically and mechanically connected to the auxiliary support member, said wire having a temperature coefficient of expansion sufficiently similar to that of the main support that change of temperature within reasonable limits of the entire switch will not be detrimental to the control of the contacts by the thermal-responsive element.

2,135,372

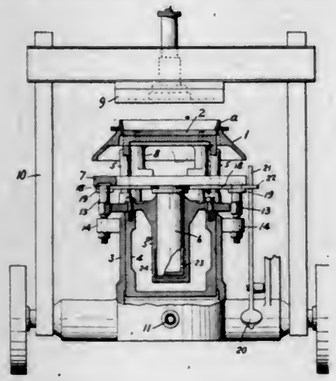
MOLDING MACHINE

Raymond H. Wiehsner, Philadelphia, Pa., assignor to The Tabor Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application May 20, 1937, Serial No. 143,682
1 Claim. (Cl. 22—47)

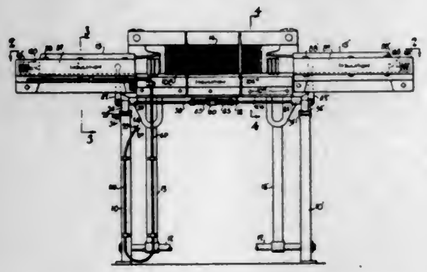
A latch for a molding machine having a stationary frame, a flask frame structure movable relative to said frame and a drop pattern plate structure movable relative to said frame, said latch comprising, in combination, adjustable screw stops mounted on said stationary frame and having their tops underlying portions of said flask frame structure, a latch pivotally mounted on said flask frame structure and having portions arranged to contact with the sides of said screw

stops or to be interposed between the tops of said screw stops and said flask frame structure so as to support said flask frame structure, means stressing said latch about its pivot towards said screw stops, stops limiting the pivotal movement of



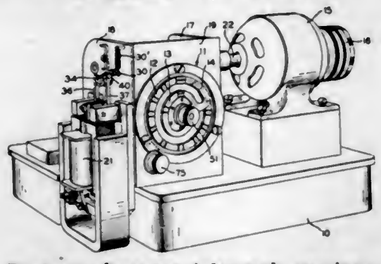
said latch about its pivot, and a counter-balanced foot-operated lever mounted on said stationary frame and having a portion arranged for engagement with a portion of said latch and operable to move said latch against the stress of said means.

2,135,373
MAGNETIC LOOM
Paul B. Wilson, Greenwood, S. C., assignor of one-half to Lucius K. Etheredge, North, S. C.
Application July 6, 1936, Serial No. 89,101
2 Claims. (Cl. 139—134)



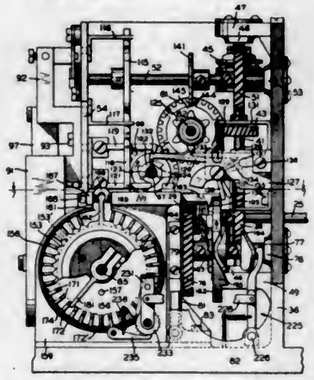
1. In a loom having an electro-dynamic apparatus for effecting rectilinear movement of a filling carrier through a warp shed comprising a lay having a filling carrier box in each end thereof, a stator field disposed in the entire length of said lay and on each side of said boxes, each stator field having a plurality of phase windings therein, a non-conductive base plate disposed upon said lay and over said windings, said plate having a plurality of transversely disposed serrations in the top surface thereof for the accommodation of the warp threads, a filling carrier having an electrically conductive body adapted to move back and forth between said boxes along the top of the lay, means for admitting alternating current to said windings to produce a flux of variable density in said windings which flux acts to induce current and create a positively moving magnetic field passing through said electrically conductive body to cause the shuttle to be impelled across the lay.

2,135,374
MECHANICAL CORRECTOR
Evan R. Wheeler, Plainfield, and Vernon R. Kimball, Palisade Park, N. J., and Robert F. Dirkes, Jamaica, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application March 15, 1934, Serial No. 715,751
56 Claims. (Cl. 178—53)



1. In a synchronous telegraph receiver, a rotary distributor, driving means therefor, a magnet responsive to line current impulses and means controlled by said magnet, upon each reversal of line current impulses for applying a corrective influence to said distributor, if required.

2,135,375
TELEGRAPH PRINTER
Vernon R. Kimball, Union City, N. J., Robert F. Dirkes, Jamaica, N. Y., and Evan R. Wheeler, Plainfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application March 15, 1934, Serial No. 715,752
Renewed August 10, 1938
116 Claims. (Cl. 178—34)

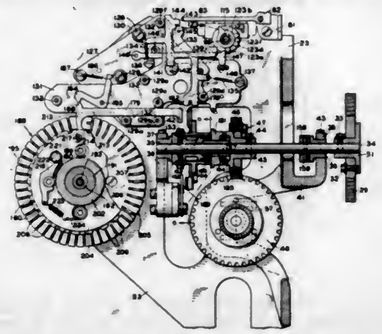


1. In a telegraph recorder, a selecting mechanism, a rotary shaft, mechanical means operated thereby for operating said selecting mechanism, and means responsive to received character selecting line current impulses for selectively controlling the operation of said selective means and for maintaining such shaft in synchronism with said impulses.

2,135,376
TELEGRAPH PRINTER
Vernon R. Kimball, Union City, N. J., and Robert F. Dirkes, Jamaica, N. Y., assignors to Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application October 22, 1935, Serial No. 46,198
46 Claims. (Cl. 178—35)

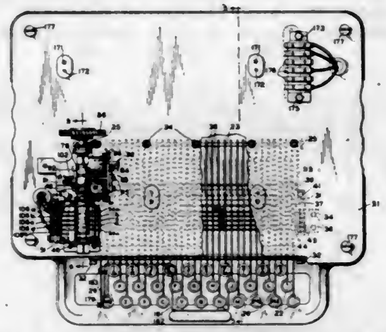
1. Signal receiving apparatus comprising a series of selector elements, a receiving magnet, a

rotatable shaft, means carried by said shaft to actuate said elements into motion, means controlled by said receiving magnet cooperating with said selector elements to modify selectively the



motion thereof, and means to actuate further only said elements having modified motion to selectively control a typewheel positioning mechanism.

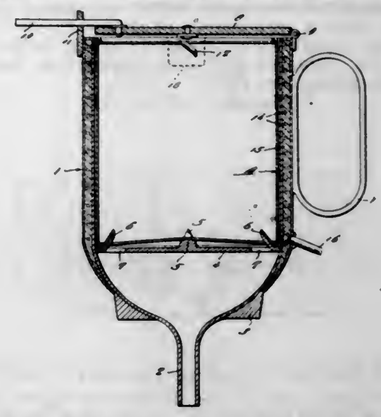
2,135,377
TELEGRAPH TRANSMITTER
Robert F. Dirkes, Jamaica, N. Y., and George I. Roberts, Cresskill, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application August 22, 1935, Serial No. 37,402
24 Claims. (Cl. 178—79)



1. In a keyboard transmitter, a rotatable sleeve member, a plurality of key levers, a plurality of code bars operative to various combinations of settings by said key levers, a plurality of rockable members individual to each of said code bars and operated in accordance with the position of said code bars, a set of transmitting contacts, a set of contact operating members, a set of associated actuators for said contact operating members operable by said rotatable sleeve member, and means whereby said contact operating members are selectively operated by said associated actuators to operate said contacts in accordance with the positions of said rockable members.

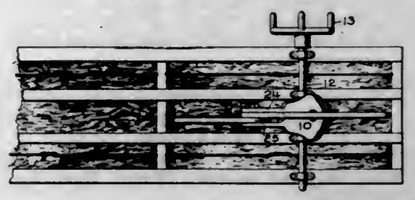
2,135,378
DISPENSER
Murray Allen, Raleigh, N. C.
Application January 10, 1938, Serial No. 184,334
4 Claims. (Cl. 221—23)

1. A funnel of the class described having a body part for receiving a container, means in the funnel and adjacent the sides thereof for punching holes in the bottom of the container adjacent the sides of the container, a top member for the funnel and means carried thereby for punching



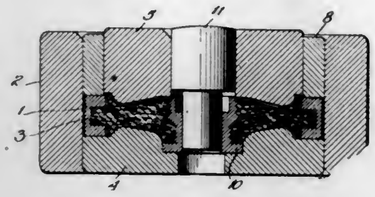
a vent hole in the top of the container, and means for bulging the bottom of the container inwardly to cause the contents to flow towards the holes punched therein.

2,135,379
ATTACHMENT FOR A HAY BALER
Many Ambers, Mount Ida, Ark.
Application July 6, 1936, Serial No. 89,184
5 Claims. (Cl. 100—30)



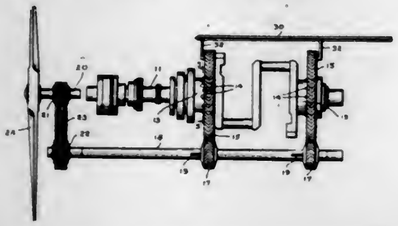
1. In an attachment for a hay-baler, a horizontally disposed revoluble head formed with a vertical groove opening at the top, bottom and forward end thereof, a pair of superposed spaced arms extended from the rear end of the head, adjustable means mounted in and coacting with the base wall of the groove to provide an opening for the passage of a support for the attachment, a bolt mounted on the head, extending across said groove and engageable with said means at spaced points of the latter for removably retaining said means in its adjusted position whereby the wall of the opening will grasp the support to secure the attachment to the latter, said head capable of being revolved relatively to the support, a horizontally disposed hook element including an arm, a piercing member and a shank spaced from such arm, the latter having its forward terminal portion arranged between the arms on said head, said member extended at an angle to the forward end of the arm of the hook element and inwardly at an angle to the arms on the head, a pivot at the rear ends of the arms on said head and extending through the hook element arm at a point between the transverse median and forward end of such arm, and an angle shaped handle element formed of a pair of arms, one being anchored to said shank and mounted on said pivot and the other constituting a hand grip.

2,135,380
METHOD OF MAKING COMPOSITE ARTICLES
Frank H. Benge, Norristown, Pa., assignor to Continental-Diamond Fibre Company, Newark, Del., a corporation of Delaware
Original application August 13, 1935, Serial No. 35,994. Divided and this application July 8, 1936, Serial No. 89,677
3 Claims. (Cl. 18—59)



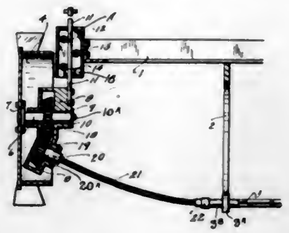
1. A method of making a composite machine element, such as a gear, which comprises placing a metallic rim having at least one inner annular recess in a mold of predetermined diameter greater than that of the rim, depositing interspersed pieces of fibrous material impregnated with synthetic resin in its initial stage in said mold within the rim to form the body of said gear, applying pressure to said material sufficient to form the said body with a portion thereof extending into said recess and to expand said rim outward against the mold wall thus placing said rim under tension, and converting the said resin to its final hardened stage causing the resin-impregnated fibrous material to shrink, whereby the tension of said metallic rim causes it to contract tightly about said body.

2,135,381
AEROPLANE PROPELLER DRIVE MECHANISM
Paul Blaser, Rosevear, Alberta, Canada, assignor of fifty per cent to John Blaser, Rosevear, Alberta, Canada
Application May 20, 1937, Serial No. 143,821
In Canada June 30, 1936
1 Claim. (Cl. 74—400)



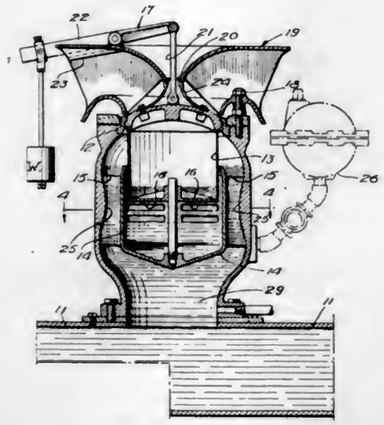
A gear driving mechanism comprising an engine crank shaft, hubs fixed on opposite ends of said crank shaft, splines formed on one-half of said hubs, gear wheels slidably mounted on said hubs having keyways to engage with said splines to establish driving connection between said hubs and gear wheels, means for shifting said gear wheels longitudinally of said hubs to engage and disengage said splines from the keyways of said gear wheels, a countershaft mounted in parallel relation to said crank shaft and small gears slidably keyed on said countershaft in constant mesh with said gear wheels.

2,135,382
ROD WEEDER
Charles F. Bloom, Vancouver, Wash.
Application September 29, 1937, Serial No. 166,401
8 Claims. (Cl. 97—42)



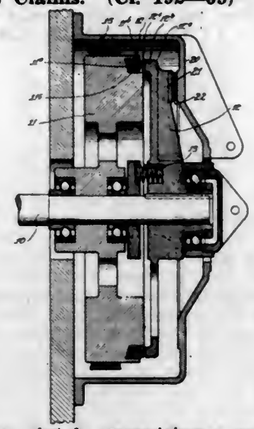
1. A rod weeder including a frame, a weeding rod mounted for rotation in the frame, a ground supporting wheel, a connection between the wheel and frame permitting relatively free vertical play of the wheel relative to the frame, and weeder rod driving means actuated by a ground wheel and connected to the weeder rod, said driving means including an appropriate length of flexible shafting, said flexible shafting having limited free longitudinal play with respect to the wheel driving mechanism.

2,135,383
VACUUM BREAKER
Moro M. Borden, Philadelphia, Pa., assignor to Simplex Valve and Meter Company, Philadelphia, Pa., a corporation of Delaware
Application March 25, 1937, Serial No. 133,068
8 Claims. (Cl. 137—69)



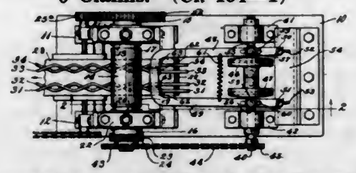
1. In a valve structure of the type described, a valve casing having an opening defined by a valve seat, a valve within the casing coacting with said seat and movable to seated and unseated positions, said valve and casing being so constructed and arranged that in the unseated position of the valve they combine to form a Venturi-form passage a portion of the diverging walls of which comprises the seat-confronting face of the valve, the throat of the Venturi-form passage being in communication with the space confronting the opposite face of the valve, and a cover for said opening and valve providing a continuation of said Venturi-form passage.

2,135,384
FRICTION CLUTCH
Robert L. Brownlee, Chicago, Ill.
Application September 2, 1937, Serial No. 162,189
5 Claims. (Cl. 192—65)



1. A friction clutch comprising a rotary driving member with an open annular recess in an end face, said recess having inner, outer and rear walls, a driven member spaced from said frontal face and movable towards the same, a ring-shaped lining unit seated in said recess and supported by the inner wall thereof, and a portion of the driven member formed to engage said lining member on said movement of the driven member to move the same into engagement with at lease two walls of said recess to procure the clutching action.

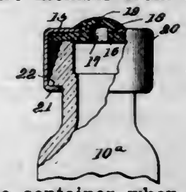
2,135,385
APPARATUS FOR APPLYING DECORATIVE STRIPS TO SHEET MATERIAL
Arthur E. Collins, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application January 6, 1936, Serial No. 57,728
6 Claims. (Cl. 154—1)



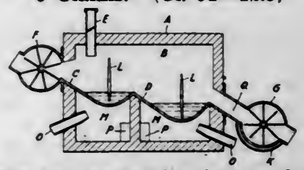
4. Apparatus for applying decorative strips to sheet material, said apparatus comprising means for guiding a sheet and a plurality of strips of rubber into superimposed relation, and means for automatically and independently shifting the path of each strip with relation to that of the sheet.

2,135,386
CLOSURE FOR CONTAINERS
Lindsay Thorne Crabbe, Chicago, Ill., assignor to Phoenix Metal Cap Co., Inc., Chicago, Ill., a corporation of New York
Application June 18, 1937, Serial No. 149,013
3 Claims. (Cl. 215—38)

1. A closure device for containers, comprising a cap having an opening therethrough, a soft rubber closure member having a body portion serving as a gasket disposed between the top of said cap and the open end of the container and having a portion thereof extending outwardly through the opening in said cap and adapted to be pierced by a hypodermic needle for withdrawing a portion of the contents, means for preventing the closure member from being forced inwardly of the container when the hypodermic needle is passed therethrough, and an external recess in the outwardly extending portion of said closure member for locating the pointed end of the hypodermic needle.

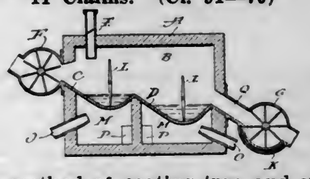


2,135,387
COATING IRON OR STEEL ARTICLES WITH ALUMINUM
Karl Deligren, Stockholm, Sweden, assignor, by mesne assignments, to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application October 1, 1932, Serial No. 635,830. Renewed September 15, 1938. In Germany October 23, 1931
9 Claims. (Cl. 91—12.5)



1. A furnace for coating iron and steel with aluminum, said furnace being constructed with a heating chamber therein, a preliminary bath and a coating bath in said heating chamber, means providing a cooling space in communication with said heating chamber, said heating chamber and said means being substantially air tight to contain reducing gases whereby material to be coated can be kept in a reducing atmosphere while being transferred from said preliminary bath to said coating bath and during cooling in said cooling space.

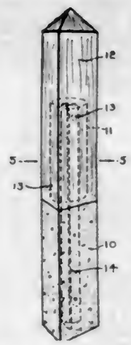
2,135,388
METHOD OF COATING IRON OR STEEL ARTICLES WITH ALUMINUM
Karl Deligren, Stockholm, Sweden, assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Original application October 1, 1932, Serial No. 635,830. Divided and this application March 1, 1937, Serial No. 128,513
11 Claims. (Cl. 91—70)



3. The method of coating iron and steel with aluminum which comprises preliminarily treating the base metal by heating the same in an atmosphere of a reducing gas under conditions

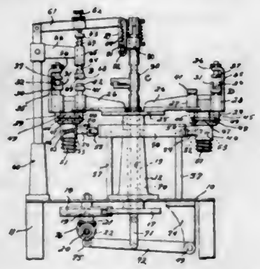
to free the surface of oxide particles and to permit the same to alloy within a few seconds with molten aluminum and then without exposing the base metal to an oxidizing atmosphere conducting the same to a bath of molten aluminum.

2,135,389
CEMENT AND IRON COMBINED POST BASE
Clarence Michael Dempsey, Calgary, Alberta, Canada
Application August 18, 1937, Serial No. 159,782
In Canada June 23, 1937
1 Claim. (Cl. 72—83)



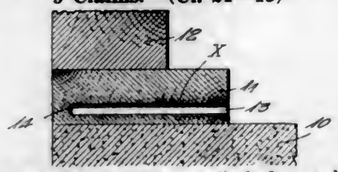
A post comprising a concrete base portion having its upper end reduced to form a tenon, a metal reinforcing bar embedded in said base portion and extending into the tenon, an upper section disposed on the upper end of the base portion having a central bore to form a mortise to receive the tenon and fastening elements passing through the upper section, tenon and reinforcing bar.

2,135,390
METHOD AND MACHINE FOR FITTING CLOSURES ON CONTAINERS
Jakob Dichter, Berlin-Schoneburg, Germany
Application March 25, 1935, Serial No. 12,954
In Germany March 24, 1934
10 Claims. (Cl. 153—10)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



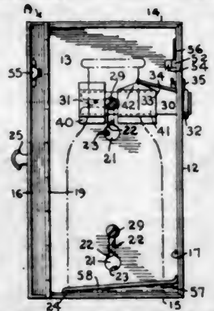
1. In a machine for adjusting the size of a cap, means for supporting the cap to be adjusted, means adapted to engage the cap to adjust the size thereof, and means controlled by the size of the container to which the cap is to be fitted operable to vary the relative movement between the cap and the adjusting means following engagement of the latter with the former to thus regulate the degree of adjustment imparted to the cap by the adjusting means.

2,135,391
TERMITE CONTROL
Evan L. Fellman, Memphis, Tenn., assignor to E. L. Bruce Company, Memphis, Tenn., a corporation of Delaware
Application July 3, 1936, Serial No. 88,888
5 Claims. (Cl. 21—15)



1. Method of termite control for a building structure containing wood and supported on a masonry or concrete foundation, comprising boring a hole in the wood member resting on the foundation, closely adjacent to its contacting surface with the foundation and then forcing insecticide into the hole under such pressure and for a period of time until substantially all the wood adjacent the hole and foundation is impregnated with the insecticide to thereby provide a poison barrier in the wood at the point of contact with the foundation to prevent passage of termites to and from the building and the ground.

2,135,392
RECEPTACLE
John Joseph Fitz Gerald, New York, N. Y.
Application August 23, 1937, Serial No. 160,508
6 Claims. (Cl. 232—42)

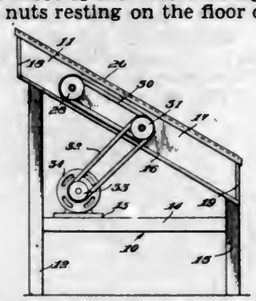


1. In a receptacle of the class described and adapted to be secured to a headed projection, such as a screw, disposed upon a hinged closure structure which, upon opening of the closure thereof, will reveal a portion of said receptacle which is normally shielded by a portion of said closure structure when said closure structure is in a closed position, a housing provided with outer walls and a closure, one of said outer walls being provided with an aperture for receiving said headed projection; latch means for said receptacle closure; and means, mounted for reciprocatory movement inwardly and outwardly of the receptacle at said normally shielded portion, for engaging said headed projection, upon said inward movement, and for disengaging said headed projection and releasing said latch means, upon said outward movement.

2,135,393
MACHINE FOR HULLING NUT MEATS FROM THEIR SHELLS
Isadore J. Fisher, Dallas, Tex.
Application June 8, 1937, Serial No. 147,103
6 Claims. (Cl. 146—8)

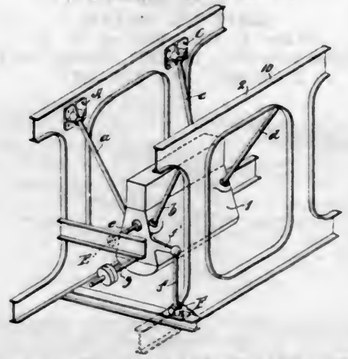
1. A machine for hulling or shelling nuts comprising an inclined chute, a pair of oppositely

inclined rollers spaced longitudinally of the chute and having their opposite ends journaled adjacent opposite sides of the chute, means projecting from the surfaces of the rollers for agitating and beating the nuts resting on the floor of the chute



adjacent the rollers as they progressively advance downward in the chute, an opening in a side wall of the chute in advance of the lowermost roller for discharging partially shelled nuts, and openings in the lower end of the chute for discharging completely shelled nuts.

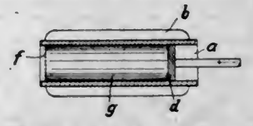
2,135,394
POWER PLANT SUSPENSION MEANS
Carl Geissen, Berlin-Schoneberg, Germany, assignor of one-half to Rheinmetall-Borsig Aktiengesellschaft
Application September 3, 1935, Serial No. 39,031
In Germany September 5, 1934
9 Claims. (Cl. 248—8)



1. In supporting means for motors or the like, a supporting frame, a motor supported thereby, a plurality of members connecting the motor to the frame for normally opposing relative movement of the motor with respect to the frame in all of its six degrees of freedom, each of said connecting members having flexible connection to the motor and frame and so constructed and arranged as to provide for distortion of the frame without transfer of strain to the motor through said connecting members.

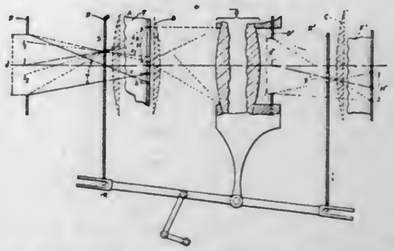
2,135,395
MANUFACTURE OF MULTICOLORED RUBBER MIXINGS
Attalus Holzapfel, Wiesbaden-Eigenheim, Germany, assignor to Ernst Frölich, Osterode/Harz, Germany
Application December 14, 1937, Serial No. 179,751
In Germany June 10, 1936
1 Claim. (Cl. 18—55)

A process for the production of longitudinally veined rubber goods from a plurality of unvulcanized, multi-colored rubber sheets, each of a single color throughout, which comprises the steps of superimposing the sheets according to a desired color pattern, forming the superimposed sheets into a roll, heating the roll whereby to plastify the rubber, maintaining the roll against radial displacement while applying endwise pressure on the roll as such so as to cause it to move



longitudinally through an element provided with a multiplicity of apertures, whereby the rubber sheets are extruded into a multiplicity of vein-like filaments of different colors, with the filaments corresponding in size and shape to the apertures of the element, molding the filaments into a rubber article of the desired shape and vulcanizing said article.

2,135,396
OPTICAL REPRODUCTION OF LENTICULATED OR GOFFERED FILMS
Anne Henri Jacques de Lassus Saint Genies, Versailles, France
Application June 25, 1936, Serial No. 87,306
In France June 27, 1935
13 Claims. (Cl. 88—24)

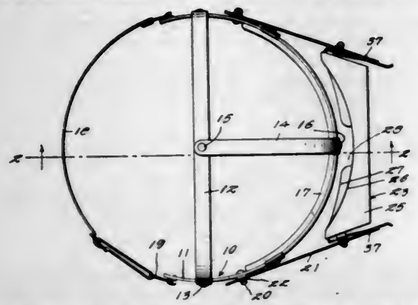


1. In a system for copying by projection lenticulated films onto films of the same kind, a source of light, a principal optical system situated between said films and containing a diaphragm, shutters, situated one between the original film and the plane in which the axes of the elementary light beams of said film intersect, the other between the copy film and the exit pupil of said optical system, said shutters containing narrow slots parallel to one another and to the direction of the lenticulations of the original film, said films and said slots in said shutters being displaced relatively to one another and remaining optically conjugated, whereby relatively narrow and homologous portions of the two films are simultaneously illuminated and additional fixed optical systems situated on both sides of the original film.

2,135,397
EYESHIELD
Honel A. Jackson, Detroit, Mich.
Application April 14, 1938, Serial No. 202,102
6 Claims. (Cl. 2—8)

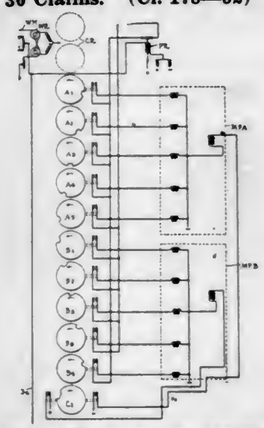
1. Apparatus of the class described having side members, a protector frame having end portions, U-shaped spring members providing arms between which the end portions are disposed, pivot members passing through the end portions, side members and springs, means of interengagement between the side members and one of the

spring arms, and a lens frictionally engaged mar-



ginally by the other spring arms to hold the lens in place.

2,135,398
PRINTING TELEGRAPH
Louis Horn James and Don Spencer James, Los Angeles, Calif.
Application April 6, 1938, Serial No. 200,540
30 Claims. (Cl. 178—52)

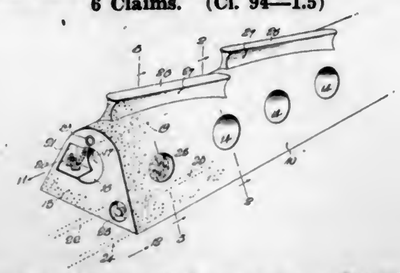


1. In a telegraph repeating system, the combination of an incoming circuit transmitting multiple-unit signal combinations in which the marking impulses are of one polarity for certain units and of opposite polarity for at least one unit in each combination, a normally closed outgoing circuit for operation of a start-stop receiver, means controlled by the incoming signals for periodically opening said outgoing circuit to transmit a start impulse thereover, means responsive to the receipt of signal impulses of one polarity during the units in which marking impulses are of one polarity for closing said outgoing circuit, and means responsive to signal impulses of opposite polarity during units in which marking impulses are of opposite polarity for closing said outgoing circuit.

2,135,399
ABSORBABLE INSULATING ANIMAL MEMBRANE AND SUTURES AND PROCESS OF MAKING SAME
Herbert L. Johnson, Boston, Mass.
No Drawing. Application April 25, 1936, Serial No. 76,467
12 Claims. (Cl. 128—335.5)

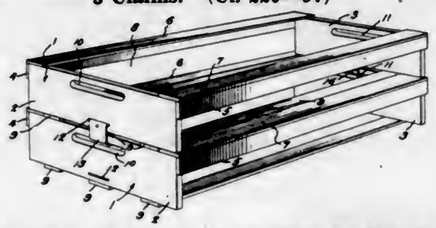
1. A therapeutic material for use in promoting repair, with low local irritation, of animal body tissues, comprising foetal membrane of the group consisting of the amniotic and allantoic membranes.

2,135,400
HIGHWAY GUARD
Joseph O. Johnson, Coalinga, Calif.
Application November 4, 1937, Serial No. 172,791
6 Claims. (Cl. 94—1.5)



1. A highway guard comprising a fixed longitudinal rigid wall separating two lanes for oppositely moving traffic from each other, said wall being sufficiently high to positively confine the vehicles to their respective lanes, and upwardly projecting means on said wall extending to sufficient height to intercept the rays from conventional headlight and prevent those from vehicles on either lane from blinding the drivers of vehicles on the other lane.

2,135,401
SHIPPING CRATE
Arthur L. Kiff, Wayne, N. Y.
Application February 16, 1937, Serial No. 126,076
3 Claims. (Cl. 220—97)

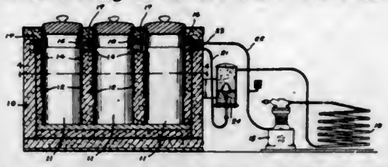


2. Crate adapted to be unitarily stacked with one or more similar crates comprising opposite heads suitably connected by side and bottom members, each head having a hand hold near the top and a narrow slot near the bottom, and a metal clip bridging the line of contact between two vertically stacked crates, having angularly turned ends, one fitting the narrow slot of one crate and the other extending through the hand hold of the crate next beneath, said last named end being of sufficient width to extend to the inside of said head, and having an upturned flange engageable with the inner side of said head.

2,135,402
REFRIGERATOR
Eugene Korber, Windsor, Ontario, Canada
Application July 31, 1935, Serial No. 34,094
1 Claim. (Cl. 62—99)

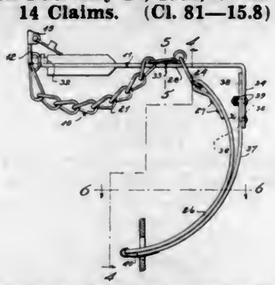
A refrigerating unit comprising an insulated cabinet having a series of chambers therein arranged in spaced parallel relation, a double wall cylindrical metal lining extending entirely around the wall of each chamber, the walls of said lining being spaced apart with the inner wall extending

the full length of the chamber and the outer wall extending only part the length of the inner wall and connected at the top and bottom to the inner wall forming a refrigerant circulating space and sleeves extending from the outer walls of said



lining at diametrically opposite points, the sleeves of each lining being adapted to telescopically interfit with the sleeves of the lining in the next adjacent chambers and welded together to establish communication between the refrigerant space of each of the linings.

2,135,403
EMERGENCY TIRE TOOL
Frank D. Lewis, West Orange, N. J., assignor, by direct and mesne assignments, to Rhoda Faffer, Perth Amboy, N. J., as trustee
Application February 18, 1938, Serial No. 191,295
14 Claims. (Cl. 81—15.8)



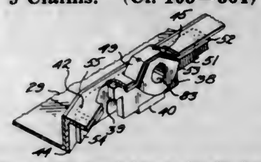
1. A tool for applying emergency tire chains of the type having a clamp at one end and a strap at the other for engaging with said clamp, said tool comprising an elongated body and a rebent strap supporting member extending downwardly from one end of said body and curved backwardly toward the other end of the body, said member being arranged to extend downwardly and outwardly around a tire upon the tool being in use.

2,135,404
DEVICE FOR BREAKING BOTTLES
Anders R. Lofstrand, Sr., Washington, D. C.
Application December 14, 1936, Serial No. 115,868
2 Claims. (Cl. 83—93)



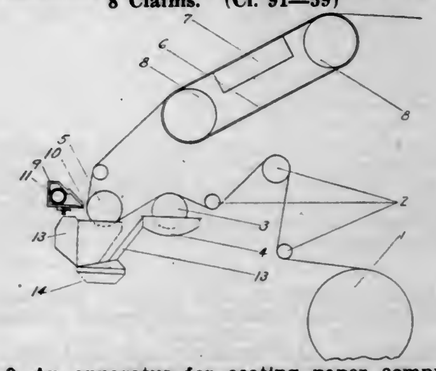
1. In a bottle breaking device, a convexo-concave shield of greater length than width and being formed at the intersection of its transverse and longitudinal medians with a boss having an opening having a threaded wall, ribs arranged at right angles to each other reinforcing the sides of the shield and connecting the same to the boss, a tubular casing threaded into said boss, a plunger provided at its inner end with a bottle breaking means for extension through said casing and shield; said plunger of less length than said casing, an axially apertured cap on the outer end of the casing and through which extends the outer portion of said plunger, a collar on the plunger intermediate the ends of the latter, a plunger forcing spring within the casing and interposed between the collar and cap, a hand grip on the other end of the plunger, and a spring encompassing the plunger and interposed between said grip and cap.

2,135,405
MINE CAR
Armistead R. Long, Summerlee, W. Va., assignor to Long Super Mine Car Company, Oak Hill, W. Va., a corporation of West Virginia
Application April 16, 1934, Serial No. 720,904
9 Claims. (Cl. 105—364)



1. A mine car comprising a body including side sills, wheeled mountings for the body, each, comprising a wheel, a stub axle for the wheel and a polygonal holding block rigid with the axle and disposed laterally of the side sill with the inner end of the axle in confronting relation to an imperforate portion of the adjacent side sill, and means carried by the car body for each of said holding blocks, said means embracing its respective block with slight play of the body upwardly, rearwardly and forwardly, and laterally with respect to the axle holding block whereby there is a floating connection between the body and wheeled mountings, permitting the car body to follow in the general line of draft and the wheels to accommodate themselves to uneven tracks.

2,135,406
METHOD OF AND APPARATUS FOR COATING PAPER
Donald R. Macdonald, Leominster, Mass.
Application September 15, 1936, Serial No. 100,925
8 Claims. (Cl. 91—59)



8. An apparatus for coating paper comprising means for applying a coating material to a traveling web, means for smoothing said applied

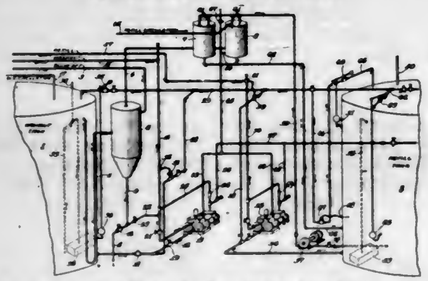
material and effecting a partial removal of surplus material from said web, auxiliary means for effecting complete removal of any surplus coating material already partially removed by said smoothing means, and deposited on said smoothing means, and means for adjusting said auxiliary means relative to said smoothing means.

2,135,407

APPARATUS FOR WASHING AND REFILLING BOILERS

Frank W. Miller, Chicago, Ill.

Application March 14, 1938, Serial No. 195,861
13 Claims. (Cl. 122—396)



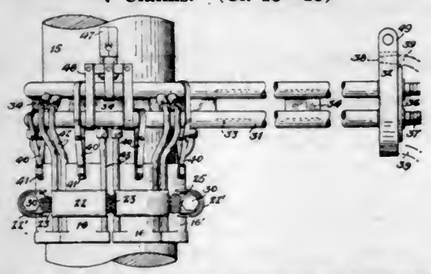
8. In an apparatus for washing and refilling boilers, the combination of a hot water refill tank, a heat transferring device, means for circulating water from said tank through said device and back to the tank, means for delivering steam blown off from the boiler to said heat transferring device to heat the water being circulated therethrough, and means controlled by the temperature of the water in said tank for adding water to the tank only when the temperature of the tank water exceeds a predetermined maximum.

2,135,408

ELECTRODE CLAMP

William E. Moore, Pittsburgh, Pa., assignor to Pittsburgh Research Corporation, Pittsburgh, Pa.

Application April 24, 1936, Serial No. 76,280
7 Claims. (Cl. 13—16)



1. An electrode clamp comprising a plurality of independently and freely movable contact shoes, a flexible member engaging said contact shoes and adapted to clamp them about an electrode, and means to conduct electric current to the contact shoes.

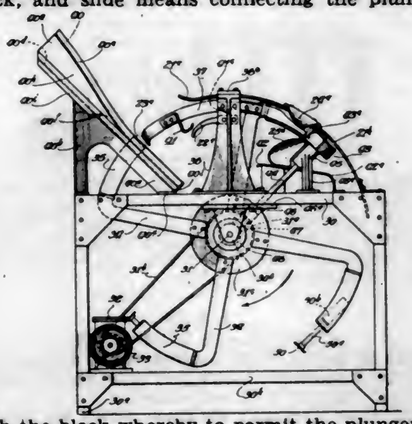
2,135,409

CARTON FORMING AND LINING MACHINE

John Munn and Alexander H. Burnett, Chicago, Ill.

Application April 29, 1937, Serial No. 139,821
17 Claims. (Cl. 93—36.01)

1. In a carton forming machine, a forming block for the blank, means to revolve the block about a horizontal axis, units along the upper course of the block movement to apply and form the blank into carton shape upon the block, a separate plunger in the advancing end of the block, and slide means connecting the plunger



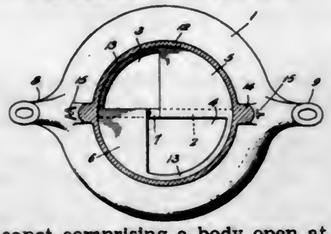
with the block whereby to permit the plunger to drop by gravity and strip the carton from the block when the latter assumes a descending course and to restore the plunger on the consequent rising movement of the block.

2,135,410

TEAPOT

Oscar Ottoson, New York, N. Y.

Application May 22, 1937, Serial No. 144,270
3 Claims. (Cl. 53—3)



1. A teapot comprising a body open at its top and having spouts extending from its opposite side portion, a partition extending vertically in the body diametrically thereof between the spouts, walls of the body being formed with discharge openings establishing communication between the spouts and companion compartments defined by the partition, partial closures for the upper ends of the compartments extending longitudinally of the upper edge of the partition, the closure for one compartment being of greater length than the other and the partition having a portion exposed between adjacent ends of the closures and formed with a recess extending downwardly from its upper edge, and a cover for the teapot.

2,135,411

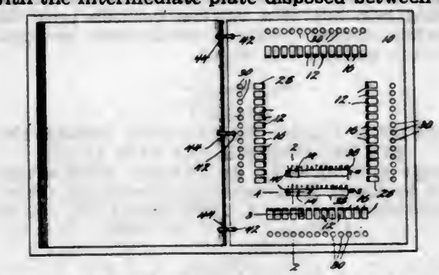
GAME BOARD

Israel R. Paris, Washington, D. C.

Application April 4, 1938, Serial No. 199,954
4 Claims. (Cl. 35—8)

1. A game board having a plurality of through sight openings for cooperation with a sheet bearing printed data in registry with said openings, said board comprising a pair of outer plates each having a plurality of sight openings, an intermediate plate also having a plurality of sight openings greater in at least one dimension than

the corresponding dimension in the openings of the outer plates, said plates being superposed with the intermediate plate disposed between the



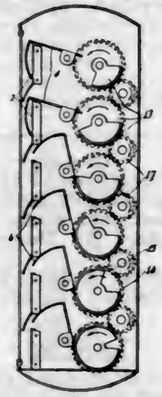
outer plates with the openings in registry, and sliders slidable in said through sight openings and held between the outer plates.

2,135,412

DEVICE FOR ADVERTISING AND LIKE PURPOSES

Roderick Thomas Riches and Geoffrey Henry Riches, Bromley, England

Application July 7, 1937, Serial No. 152,432
In Great Britain July 8, 1936
9 Claims. (Cl. 40—62)



1. An apparatus for spelling advertisements and the like letter by letter comprising a casing having a vertical wall provided with at least one opening, a number of independently pivoted arms bearing lettering and capable only of an oscillatory movement, said arms having extensions thereon, and automatically operated means engaging the extensions of said pivoted arms and operative to release them successively and thereby allow them to fall by gravity through said opening into visible positions and to rock said arms and thereby lift them back through said opening to an invisible position after the complete statement has been exposed.

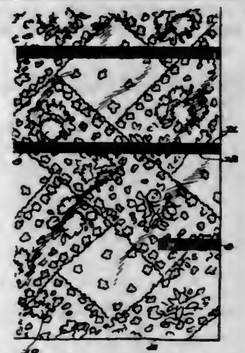
2,135,413

TEXTILE FABRIC AND METHOD OF MAKING SAME

Charles Rosenstein, Paterson, N. J., assignor to Rosenstein Bros., Paterson, N. J., a partnership composed of said Charles Rosenstein, Aaron Rosenstein, and Irving J. Tuller

Application December 6, 1937, Serial No. 178,412
3 Claims. (Cl. 139—384)

1. The method of forming woven fabric having fringed pleats upon a surface thereof which comprises weaving warp and weft threads to form a body and a superimposed layer of fabric interlocked with said body at intervals and formed adjacent alternate interlocks with a series



of spaced parallel float threads, and cutting said float threads adjacent said alternate interlocks to form fringed pleats on a surface of said fabric.

2,135,414

FISH SPEAR

Roy Lee Shores, Panama City, Fla., assignor of one-half to Panama Pump Company, Panama City, Fla.

Application April 20, 1937, Serial No. 138,025
2 Claims. (Cl. 43—6)



1. A fish spear comprising a shank having one end reduced in thickness and increased in width to form an attaching portion, a pivot carried by said attaching portion, a penetrating element mounted on said pivot and of a thickness and width corresponding to the thickness and width of the attaching portion and adapted to assume a position parallel with said attaching portion when in harpooning position, and a collar slidable on said shank and movable onto the attaching portion and the penetrating element for releasably securing the penetrating element in harpooning position and adapted to be shoved onto the shank by the penetrating element passing through a fish to permit pivotal movement of the penetrating element into a position at right angles to said shank.

2,135,415

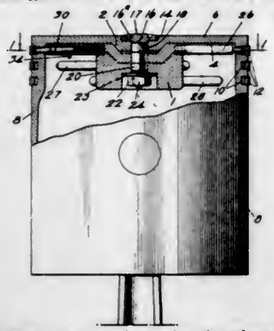
MEANS FOR EXPANDING PISTON RINGS

Louis I. Sieven, Brooklyn, N. Y.

Application June 28, 1937, Serial No. 150,829
8 Claims. (Cl. 309—42)

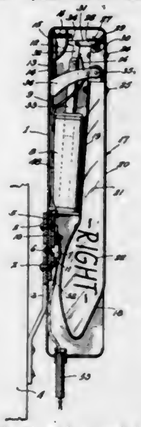
1. The combination with a hollow piston having piston ring grooves, piston rings in said

grooves and openings through said piston to said grooves, of a hub, means securing said hub in said piston for rotation about the longitudinal axis of said piston, reciprocable plungers carried by said hub and held withdrawn from said open-



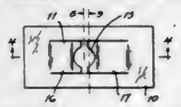
ings in said piston, springs for forcing said plungers outwardly and means for rotating said hub and plungers to a position in which said springs project said plungers through said openings to expand said piston rings.

2,135,416
TRAFFIC SIGNAL
Francis H. Stotts, Wynne, Ark.
Application June 3, 1937, Serial No. 146,250
3 Claims. (Cl. 177—329)



1. In a signaling device for vehicles, a housing open along one side and adapted to be mounted upon a portion of a vehicle, a solenoid, upper and lower mounting brackets for the solenoid detachably mounted in the housing, upper and lower plates in said housing, a fastener carried by the lower plate and detachably engaging the lower bracket, a signaling arm pivotally carried by the upper bracket and extending vertically in the housing in a retracted position, a resilient tongue carried by the upper bracket and overlapping the upper plate, a set screw carried by said tongue and engaging the upper plate to exert frictional grip between the upper plate and the upper bracket, a bearing bracket pivoted to the upper end of the signaling arm and extending laterally therefrom, a spring yieldably resisting pivotal movement of the bearing bracket towards the solenoid when the signaling arm is in its vertical position, and a link pivoted at its ends to the bearing bracket and the upper end of the core of the solenoid and having a side extension extending longitudinally of the bearing bracket and adapted to engage the tongue of the upper bracket and prevent movement of the signaling arm out of a vertical position until the bearing bracket is swung downwardly in opposition to action of its spring.

2,135,417
ADAPTING SHEET METAL FOR RECEIVING BOLTS, SCREWS, OR THE LIKE
George A. Tinnerman, Rocky River, Ohio, assignor to Albert H. Tinnerman, Cleveland, Ohio
Application October 4, 1937, Serial No. 167,308
4 Claims. (Cl. 29—148)



1. The method of adapting sheet metal for receiving a threaded fastener which comprises, slitting and bending an area of the sheet to provide a protuberance comprising a continuous wall, piercing said wall off center to provide a fastener receiving aperture having its axis offset from the median plane of said wall and thereby forming thread engaging elements of unequal length capable of engaging the threaded fastener at different elevations in accordance with the inclination of the threads thereof, and shaping said thread engaging elements such that their extremities lie on a helix corresponding substantially with that of the threads of the fastener for uniform threaded engagement therewith.

2,135,418
METHOD OF PROVIDING FASTENING MEANS IN SHEET METAL
George A. Tinnerman, Rocky River, Ohio, assignor to Albert H. Tinnerman, Cleveland, Ohio
Application October 4, 1937, Serial No. 167,309
7 Claims. (Cl. 29—148)

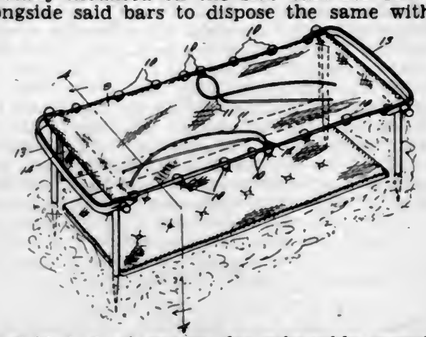


1. The method of providing a sheet metal plate with screw thread engaging means in the form of a protuberance projecting out of the plane of said plate, comprising, punching an opening substantially smaller than the diameter of the screw in the sheet of metal, and then drawing a portion of the metal adjacent said opening out of its normal plane to provide a wall which is of substantially cylindrical form and shaping said opening to permit the passage of the screw intended to be threaded thereinto.

2,135,419
CANOPY
Adeline C. Wesseler, Los Angeles, Calif.
Application November 22, 1937, Serial No. 175,995
2 Claims. (Cl. 135—5)

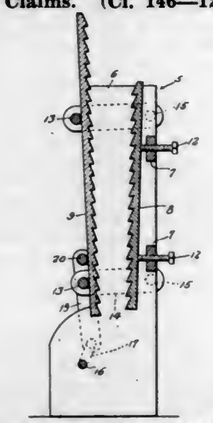
1. A combination canopy and bag comprising a pair of U-shaped sections, each including a pair of corner legs, and a pair of parallel side bars having free inner ends, said sections being adapted for assembly with the free ends of the bars in end-to-end relation to form a rectangular canopy frame, and being foldable into side-by-side relation to collapse the frame for carrying, a sheet of flexible material secured to the sections to form the top of the canopy in the assembled relation of the sections and for folding in the

transverse center thereof around the free ends of the bars in the side-by-side relation of the sections to form the sides of a bag, the legs being pivotally mounted on the side bars for folding alongside said bars to dispose the same within



the folded sheet, means for releasably securing the bars in end-to-end relation, and means for releasably securing the side edges of the sheet together in the folded position thereof to close the side edges of the bag.

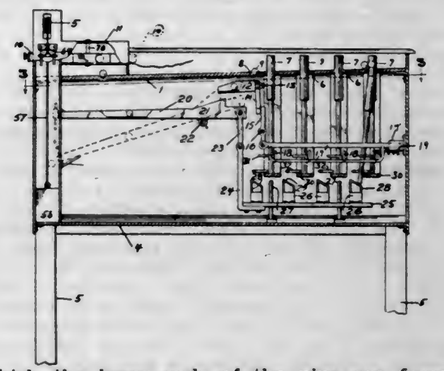
2,135,420
NUTCRACKER
Kenneth H. Wylie, Eugene, Oreg.
Application May 28, 1937, Serial No. 145,351
3 Claims. (Cl. 146—12)



1. In a nut cracker of the character described, a frame comprising a pair of end members, a plurality of horizontal bars connecting the rear edges of said members, a pair of opposed complemental jaws mounted in said frame, supporting means for one of said jaws including means projecting from the jaw and slidably inserted through the bars together with means threaded in the bars and abutting said one jaw for moving said one jaw to a desired position of adjustment relative to the other jaw and cooperating with said supporting means for securing said one jaw in the desired position of adjustment, means for supporting said other jaw within the frame for reciprocatory movement, and means for transmitting movement to the second mentioned jaw.

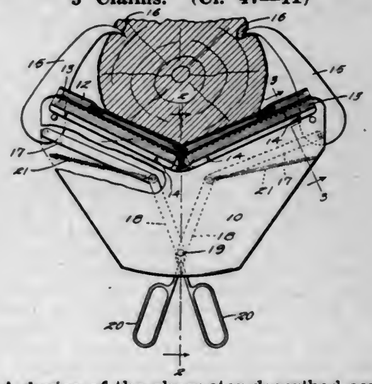
2,135,421
GAME
Dennie Robert Baker, Richmond, Va.
Application May 19, 1936, Serial No. 81,106
4 Claims. (Cl. 273—45)

1. In a bowling alley having an alley board and a plurality of pins extending through enlarged apertures in the alley board, supports beneath the alley board and positioned for supporting the pins in vertical position and projecting above the board, a vertically movable restoring carriage beneath the pin supports, pin rests carried by the carriage and disposed to one side and below the pin supports and onto



which the lower ends of the pins are forced upon tilting of the pins by engagement of a ball above the board, the pin rests of the vertically movable carriage forming means whereby the pins resting thereon may be raised to a level equal to the pin supports and restoring means cooperating with the lower ends of the pins for laterally moving the same onto the pin rests.

2,135,422
TREE CLAMP OR CUP PROTECTOR
Charles Aubrey Brinson, Palatka, Fla.
Application March 10, 1938, Serial No. 195,133
5 Claims. (Cl. 47—11)



1. A device of the character described comprising a base plate, tree clamping arms pivotally connected to the base plate, handle members also pivotally connected to the base plate, and link connections between the handle members and the clamping arms.

2,135,423
RESIDUAL GUM
Frank W. Corkery, Crafton, Pa.
No Drawing. Application December 6, 1935, Serial No. 53,213. Renewed June 9, 1938
8 Claims. (Cl. 196—142)

1. The herein described method of treating liquid still residue from the treatment of coke-oven light oils to increase its saturation and decrease its fluidity without substantial polymerization therein which consists in oxidizing the

still residue by distributing gaseous oxygen through a liquid body containing in approximate entirety the initial components of the still residue from the treatment of coke-oven light oils under temperature conditions sufficiently elevated to maintain the still residue in a condition of liquidity suitable for the dispersion of gaseous oxygen therethrough and below a point at which substantial vaporization of the still residue is caused.

2,135,424

MODIFIED PITCH

Frank W. Corkery, Clairton, Pa., assignor to Pennsylvania Industrial Chemical Corporation, a corporation of Pennsylvania

No Drawing. Application December 17, 1935, Serial No. 54,852

4 Claims. (Cl. 106—31)

1. The herein described method of producing a composite pitchy material relatively light in color and transparent in solution and in a film, which is solid at normal room temperature and the components of which are mutually compatible, which comprises oxidizing in admixture pitch of non-mineral origin and liquid aromatic still residue from the purification and distillation of coke-oven light oil distilling over before tar in the by-product coking of coal, by dispersing gaseous oxygen through the mixture during an extended treating period, of the order of about 2 to 4 days of simple air dispersion through the mixture, while supplying to the mixture heat adequate to maintain it at a progressively increased liquefying temperature within the approximate range of 160° F. to 300° F.

2,135,425

PAINT OIL

Frank W. Corkery, Crafton, Pa.

No Drawing. Application February 3, 1936, Serial No. 62,045. Renewed March 1, 1938

9 Claims. (Cl. 134—26)

1. The herein described method of producing a film-forming composition which comprises oxidizing simultaneously in admixture oxidizable oil having drying qualities and residuum derived from the aromatic light oil which comprises the aromatics distilling below the boiling range of tar as recovered in by-product coking which residuum being an oily liquid still residue from the distillation and purification of the light oil comprises lower polymers and heavy monomers derived from the light oil and which is capable of acquiring drying qualities and asphaltic characteristics by oxidation, by oxygen dispersion through the mixture continued to a stage at which the mixture becomes solid at temperatures at least as elevated as normal room temperature, while supplying to the mixture heat sufficient to maintain the mixture in a condition adequately liquid for the oxygen dispersion, resultantly to produce a homogeneous elastic and transparent film-forming mass in which the components are mutually compatible as an incident of their condition of admixture during oxidation.

2,135,426

TREATMENT OF STILL RESIDUE

Frank W. Corkery, Clairton, Pa., assignor to Pennsylvania Industrial Chemical Corporation, a corporation of Pennsylvania

No Drawing. Application July 2, 1936, Serial No. 88,591. Renewed March 19, 1938

4 Claims. (Cl. 106—31)

1. The herein described method of oxidizing liquid aromatic still residue from the treatment of coke-oven light oil initially containing sulphonates and like impurities in association with non-mineral pitch to produce an oxidized pitchy composite of light color and transparent in a film the components of which are in a condition of approximately absolute compatibility, which comprises precipitating the sulphonates and like impurities of the still residue by solvent separation in a petroleum distillate, separating out the precipitate, by distillation separating from the still residue the petroleum distillate and the lower boiling end of the still residue including a portion of the oily lower polymers thereof; and oxidizing in admixture the still residue so purified and prepared with a pitch of non-mineral origin by oxygen dispersion through a mixture of the still residue and pitch while supplying to the mixture heat adequate to maintain it at a progressively increased liquefying temperature.

2,135,427

TREATMENT OF STILL RESIDUE

Frank W. Corkery, Crafton, Pa., assignor to Pennsylvania Industrial Chemical Corporation, a corporation of Pennsylvania

No Drawing. Application January 12, 1937, Serial No. 120,192

4 Claims. (Cl. 196—13)

4. The herein described method of purifying raw aromatic still residue from the treatment of coke-oven light oil derived in the by-product coking of coal and containing sulphonates of the light oil aromatics formed by acid purification and neutralization in the light oil prior to a distillation of the light oil, comprising a solvent separation and sulphonate precipitation by mixing and settling the raw still residue with at least an equal volume of low-boiling aliphatic solvent, by distillation separating from the still residue the aliphatic hydrocarbon solvent and the more volatile content of the still residue such as naphthalene and aromatic solvent content, and by continued distillation removing a portion and less than all of the oily lower polymers contained in the still residue.

2,135,428

MASTIC TILE

Frank W. Corkery, Crafton, Pa.

No Drawing. Application March 15, 1937, Serial No. 130,908. Renewed August 23, 1938

9 Claims. (Cl. 260—42)

1. A binder composition for mastic tile comprising a thermoplastic resin compatible with animal, vegetable and marine pitches, and a synthetic pitch composite of at least one drying oil and a substantial proportional content of still residue from the treatment of light oil derived in the by-product coking of coal oxidized in admixture to a viscosity higher than 1500 Saybolt at 210° F.

2,135,429

METHOD OF PRODUCING A TILE BASE

Frank W. Corkery, Crafton, Pa.

No Drawing. Application June 18, 1937, Serial No. 148,961

6 Claims. (Cl. 196—13)

2. The herein described method of producing a resin-sulphonate of coumarone type resin and a sulphonate content within a tolerance of the latter rendering the resinous material suitable for use in a binder composition for mastic tile in association with a plasticizer selected from at least one of oxidized non-mineral pitch oxidized drying oil and a synthetic pitch resultant from the

oxidation in admixture of at least one drying oil and an oily substance comprising unsaturates occuring in the light oil from the by-product coking of coal; which comprises purifying of sulphonates a sulphonate-contaminated still residue resultant from the treatment of light oil derived in the by-product coking of coal, blending such purified still residue with unpurified contaminated still residue of the same initial sort in a proportion to give a blend having a sulphonate content not substantially exceeding 5% the weight of the blend, and by distillation recovering a resin-sulphonate having a melting point of from about 90° C. upward and a sulphonate content not substantially exceeding 10% to 12% the weight of the resinous material.

2,135,430

TREATMENT OF STILL RESIDUE

Frank W. Corkery, Crafton, Pa.

No Drawing. Application August 14, 1937, Serial No. 159,071

1 Claim. (Cl. 196—87)

The herein described method of oxidizing liquid aromatic still residue from the purification and distillation of coke-oven light oil containing unsaturates of the light oil aromatics in various stages of polymerization to produce a gummy mass having less elasticity than that resultant from oxidation of the total still residue content, which comprises oxidizing the still residue by blowing air therethrough for a treating period adequate to bring the still residue to a stage of oxidation at which it is solid at temperatures at least as elevated as normal room temperature; during the oxidation treatment supplying to the batch of still residue heat adequate to maintain it sufficiently liquid for the dispersion of air therein, and from the beginning of the treatment holding the temperature of the oily lower boiling polymers in such range above 250° F. and below a temperature at which straight distillation of such content takes place that from 20% to 70% of such content of oily lower boiling polymers is removed by blowing before oxidation has substantially proceeded in the batch, the rest of such content being so rendered non-volatile by oxidation attendant upon the blowing that it remains in the batch.

2,135,431

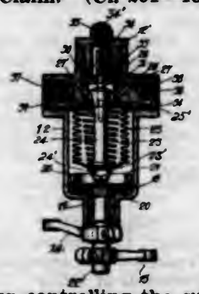
MEANS FOR CONTROLLING THE SUPPLY OF SUPPLEMENTARY LIQUIDS TO POWER GENERATING DEVICES

Leo B. Kimball, New Haven, Conn., assignor to Fuel Development Corporation, a corporation of Delaware

Application July 28, 1936, Serial No. 92,980

Renewed September 27, 1938

1 Claim. (Cl. 261—18)



Apparatus for controlling the supply of varying amounts of a supplementary liquid to the main stream of fuel-air mixtures flowing to a power generating device, such as an internal combustion engine, comprising a casing, valve members therein for respectively opening and closing, and also varying the amount of opening of, passages between the intake and outlet of said casing, said varying valve member being adjustable relative to said closing valve member, a flexible bellows-like separator within said casing, a spring within said separator for maintaining said valve members in inactive positions, and cam members, one of which consists of a cam having an inclined portion, and the other of which consists of a follower therefor, one of said members being adapted to be connected with a manually operated throttle control device, and the other member being adapted to be connected with an independent manually operated control member that determines the amounts of the supplementary liquid to be added to the fuel-air mixture passing to the power device.

2,135,432

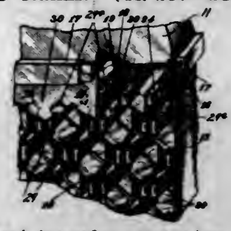
VAPOR CONDENSER

Edward R. Brodton, Collingswood, N. J.

Application March 31, 1934, Serial No. 718,504

Renewed September 15, 1937

3 Claims. (Cl. 257—245)



2. In a heat transfer apparatus, a core of the honey-comb type comprising a plurality of units each including two oppositely zig-zagged wall plates having alternate zig-zag portions contacting, thus providing a plurality of cells, the units being arranged so that the cells of one unit project into the spaces between adjacent cells of adjacent units, the zig-zag edges of the plates of each unit being outwardly offset from the body of their respective plates to form relatively narrow passages between the plates of adjacent units from top to bottom of the core, and tab-lugs on angular portions of the zig-zag edges of one of said plates of each unit bent over the edge and lapped against the adjacent wall of the adjoining unit, whereby the adjacent offset portions of the plates are secured together to close the sides of said passages and whereby the units are secured together.

2,135,433

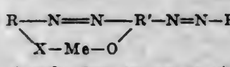
AZO DYESTUFFS

Detlef Delfs, Leverkusen, Helmut Kleiner, Cologne-Muhlheim, and Theodor Kollmann, Leverkusen, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application September 16, 1936, Serial No. 101,078. In Germany October 26, 1935

20 Claims. (Cl. 8—42)

1. Water insoluble azodyestuffs of the general formula:



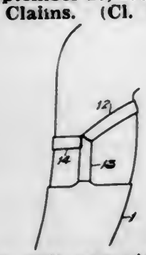
wherein R stands for an aromatic radical, R' stands for a radical of the benzene series capable

of coupling twice, which is substituted in a position meta to O by a hydroxy group, R'' stands for the radical of a diazotized aromatic amine generally used in the manufacture of ice colors, X stands for a member selected from the group consisting of an oxygen atom and the group COO, Me stands for a metallic atom capable of yielding azodyestuff complex compounds, and wherein the bridge X—Me—O is attached to the nuclei in positions ortho to the azo bridge, yielding when produced on the fiber in general brown shades of good fastness properties.

2,135,434
HOSE AND SUPPORTER

Eugene F. Gaines, Merion, Pa., assignor to H. Birchard Taylor and Chester W. Larner, both of Philadelphia, Pa.

Application September 16, 1933, Serial No. 689,727
3 Claims. (Cl. 2—240)

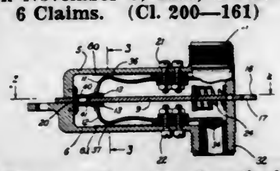


1. A hosiery unit comprising in combination with a hose, a loop positioned obliquely of the leg and passing around the back of the leg above the calf thereof, a front loop connected to said other loop at an angle thereto when in the unused state and positioned transversely of the leg to pass around the front thereof at a position such as to provide a space between said front loop and the top of the hose, and two strips permanently formed with said loops to form an integral unit therewith, and said strips being connected to the top of the hose on each side of the leg and extending upwardly from the hose substantially longitudinally of the leg and at an angle to said oblique portion.

2,135,435
ELECTRICAL APPARATUS

Raymond T. Zwack, East Orange, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey

Application November 5, 1935, Serial No. 48,424
6 Claims. (Cl. 200—161)

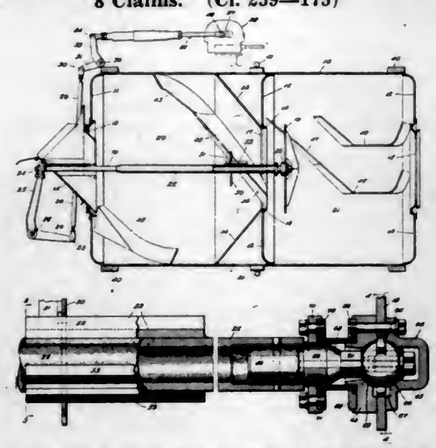


1. In a device of the class described, a metallic casing, a pair of terminals within the casing, a pair of contact fingers movable transversely within the casing to make or break the circuit between said terminals, means for controlling the direction of passage of oscillating current of radio frequency from said fingers when in the open circuit position, said last named means including a metallic plate and cooperating metallic shielding members constituting a continuous grounded shield interposed between said fingers in the open position thereof said plate being apertured to enable said fingers to contact with one another upon movement of the plate sufficiently to bring said apertured portion into the path of said fingers, whereby the plate itself remains out of contact therewith, means for insulating said fingers from said metallic casing, and means for moving and holding said fingers in positions spaced apart from said plate, and on opposite sides thereof.

2,135,436
APPARATUS FOR MIXING CONCRETE AND THE LIKE

Charles F. Ball, Wauwatosa, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin

Application September 9, 1936, Serial No. 100,008
8 Claims. (Cl. 259—175)



1. In apparatus for mixing or agitating concrete and the like, a receptacle comprising a tubular shell having end walls provided respectively with a charging and a discharging opening; a partition wall intermediate said end walls dividing the receptacle into preliminary and final agitating compartments, said partition wall extending substantially perpendicular to the perimetral walls of said shell, and having a transfer opening affording communication between said compartments; a coniform member in said preliminary agitating compartment, secured to the perimetral walls of said shell and to said partition adjacent said transfer opening, and arranged to brace said partition wall as well as to deflect material toward said opening and prevent its collecting in the joint between said partition and shell; mixing blades in said compartments; transfer blades in said preliminary agitating compartment disposed substantially parallel to said coniform deflecting member and extending to said transfer opening; and means for controlling the passage of material through said transfer opening.

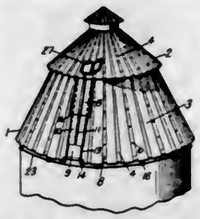
7. In closure mechanism for an opening of a concrete mixing receptacle, a shaft mounted for axial movements and provided with a head; a closure member having a housing enclosing said head; and resilient members interposed between said head and said closure and housing arranged to provide for axial oscillation of the closure relative to the shaft.

2,135,437
SILO ROOF

Charles A. Bangert, Columbus, Ohio, assignor to Lamneck Products, Incorporated, Columbus, Ohio, a corporation of Ohio

Application April 22, 1936, Serial No. 75,838
2 Claims. (Cl. 108—32)

2. A silo roof comprising a plurality of panels arranged edge to edge, said panels being so formed that they gradually decrease in width from their lower edge to their upper edge and being arranged to form a frusto-conical structure, the adjacent edges of said panels having interfitting ribs, said ribs being of substantially semicircular cross section and being disposed in superimposed relationship, said ribs gradually

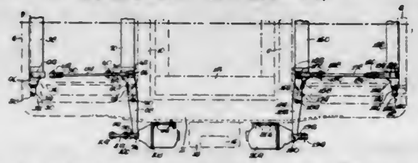


decreasing in width from their lower end to their upper end in accordance with the decrease in width of the panels, pin and transverse slot connections for securing the interfitting ribs together in such a manner as to permit relative movement therebetween, said interfitting ribs of the panels being the only supporting means provided at the joints between the panels.

2,135,438
CLASP BRAKE

Walter H. Baselt, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application December 16, 1936, Serial No. 116,100
29 Claims. (Cl. 188—56)



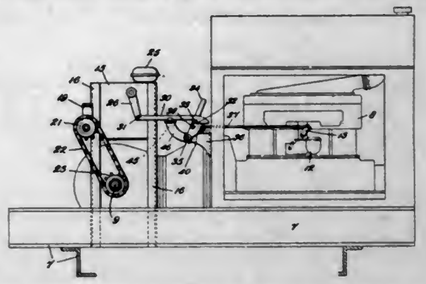
1. In a brake rigging for a four wheel railway car truck the combination of a truck frame having side members and a transverse load carrying member projecting outwardly of said side members, wheel and axle assemblies disposed in supporting relation to said truck frame, brake beams disposed on opposite sides of each wheel and axle assembly, dead truck levers connected to the beams inwardly of the wheels, live truck levers connected to the beams outwardly of the wheels, spaced horizontal levers fulcrumed on said side members on opposite sides of said load carrying member and having their inner ends connected respectively to said live truck levers, vertical cylinder levers having their lower ends fulcrumed from said side members and their upper ends connected respectively to said horizontal levers, and spaced power means supported on said side members and directly connected respectively to said cylinder levers.

2,135,439
CONCRETE-MIXING APPARATUS

Bernard F. Devine, Milwaukee, and Charles F. Ball, Wauwatosa, Wis., assignors to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin

Application September 4, 1936, Serial No. 99,492
12 Claims. (Cl. 259—177)

12. In apparatus for mixing concrete and the like, a mixing receptacle; means for inducing agitation of materials in said receptacle; means for controlling the rate of speed of said agitation, manually movable from high to low speed position and vice versa; means for determining the duration of a mixing operation; connections between said last named means and said manually movable means arranged, should the latter

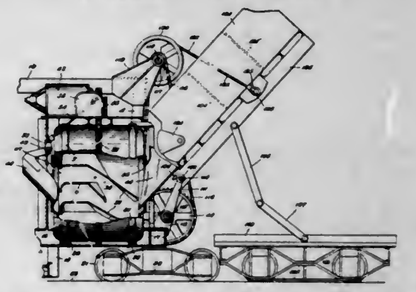


be in high speed position at the termination of said determined mixing operation, to automatically move it to low speed position; and means arranged to disengage and maintain said connections ineffective indefinitely, to provide for manual operation of said speed controlling means wholly free from control by said determining means.

2,135,440
CHARGING APPARATUS FOR CONCRETE MIXERS AND THE LIKE

Charles I. Longenecker and Charles F. Ball, Wauwatosa, Wis., assignors to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin

Original application December 16, 1935, Serial No. 54,774. Divided and this application May 12, 1937, Serial No. 142,296
8 Claims. (Cl. 214—149)



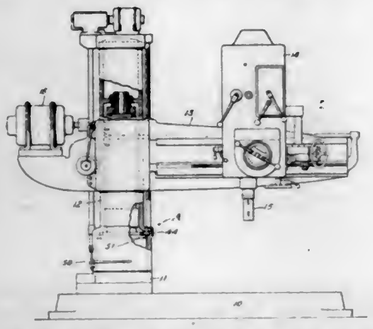
1. In charging mechanism for a receptacle provided with an elevated charging opening, a mobile material container arranged to be moved over the ground to and from a point adjacent said receptacle, said container being provided with a discharge opening normally in a plane below said receptacle opening; power actuated means adjacent said receptacle readily engageable with and disengageable from said container, arranged to elevate and guide the container discharging opening to a complementary position relative to said receptacle opening; and separate power actuated means readily engageable with and disengageable from said container at a point spaced from the engagement point of said first named means, arranged to elevate and swing the container about its engagement point with said first named means to tilt the container and cause gravity discharge of its contents into said receptacle opening.

2,135,441

WELDED BITUBULAR COLUMN

Lawrence Lee Schauer, Wyoming, Ohio, assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio, a corporation of Ohio

Application September 17, 1935, Serial No. 40,910
9 Claims. (Cl. 77—28)



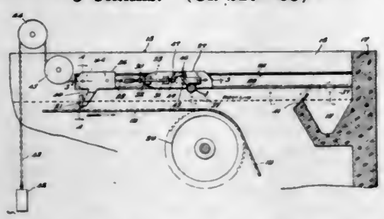
1. A radial drill combining a base, a horizontally disposed arm member extending in parallel spaced relation with said base; a tool head, having a tool spindle journaled therein, translatable on the arm; and a vertically arranged welded steel column connected with one of said arm and with said base for supporting said arm and for maintaining same in said parallel spaced relation under the reactionary forces of the tooling operation and of gravity, comprising a relatively long inner steel shell and a relatively short outer steel shell arranged in spaced relation and partially telescoped, the lower end of said outer shell extending beyond the lower end of said inner shell, and a pair of spaced flange members arranged transverse to the axis of said shells for connecting said shells together as an integral unit and for transmitting to said outer shell the vertically and laterally acting forces of the inner shell incident to the weight and lever action of the said arm acting thereon.

2,135,442

SCUMMING APPARATUS FOR LIQUIDS

Robert T. Steindorf and Arthur C. Lind, Milwaukee, Wis., assignors to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin

Application August 13, 1935, Serial No. 36,016
5 Claims. (Cl. 210—55)



1. In a settling tank and the like which is provided with traveling means for moving the settled sludge therein, and with a scum receptacle, the combination of a scummer member mounted for rectilinear movements along the liquid level to and from said receptacle; means engageable by a portion of said sludge-moving means for imparting movement in one direction to said scummer member; and additional means for moving said scummer member in the other direction.

2,135,443

PROCESS OF MANUFACTURING POLYMERIZATION PRODUCTS

Daniel E. Strain, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 30, 1933, Serial No. 704,753. Renewed February 15, 1936
8 Claims. (Cl. 260—2)

1. A process for the manufacture of a polymerized compound selected from the group consisting of acrylic acid, homologues of acrylic acid, alkyl esters, and nitriles of acrylic acid and the alkyl esters of homologues of acrylic acids which includes the step of subjecting the monomeric compound to polymerizing conditions while dissolved in a concentration of a solvent medium sufficient to maintain the monomeric compound in solution and in which medium the polymerization product is sufficiently insoluble to precipitate the polymerization product as it forms.

2,135,444

PROCESS FOR PREPARING NITROHYDROXY COMPOUNDS OF THE PARAFFIN SERIES

Byron M. Vanderbilt, Terre Haute, Ind., assignor to Purdue Research Foundation, Lafayette, Ind., a corporation of Indiana

No Drawing. Application June 7, 1937, Serial No. 146,855
8 Claims. (Cl. 260—632)

1. In a process for the production of nitrohydroxy compounds by the reaction of nitroparaffins and aldehydes in the presence of an alkaline catalyst, the improvement which comprises slowly introducing the aldehyde into a solution of nitroparaffin and catalyst in an organic liquid which is a common solvent for the nitroparaffin, the catalyst, and the aldehyde, while agitating said mixture.

2,135,445

METHOD OF PREPARING CEREAL PRODUCT

James F. Walsh, Chicago, Ill., assignor to American Maize-Products Company, a corporation of Maine

No Drawing. Application April 23, 1935, Serial No. 17,795
2 Claims. (Cl. 99—80)

1. A process of preparing a palatable food product from corn germs containing starch and proteins comprising pressing the germs to express the oil therefrom, washing said germs with water to remove the water-soluble bitter constituents without removing said starch and proteins, heating said washed germs containing starch and proteins sufficiently to expel the excess water and to gelatinize the starch to form a paste, and drying said paste.

2,135,446

PROCESS FOR TRANSFERRING MARKINGS

Herbert L. Wampner, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland

No Drawing. Application July 19, 1935, Serial No. 32,234
3 Claims. (Cl. 41—33)

1. A process for transferring markings from a sheet of paper, or similar thin material, to a solid surface which comprises applying to said solid surface a coating of a cellulose ester lacquer containing sufficient plasticizer to maintain a solvent free film of said lacquer in a pressure imprintable state, but insufficient to maintain such a film in a tacky state, drying said coating to a solvent free condition and transferring the markings from the said thin material to the resulting lacquer film solely by pressure transfer.

2,135,447

ESTER SYNTHESIS PROCESS

John C. Woodhouse, Cragmere, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 23, 1936, Serial No. 76,018
10 Claims. (Cl. 260—496)

1. In a process for the preparation of an aliphatic organic ester conducted at elevated temperatures and elevated pressures the step which comprises reacting an aliphatic organic ether with carbon monoxide in the presence of active carbon and a volatile halide of the group consisting of hydrogen chloride, hydrogen bromide, hydrogen fluoride, hydrogen iodide, the chlorides, bromides, and iodides of ammonia, chloramine, ethyl chloride, methyl bromide, sulfuryl chloride, boron fluoride, and phosphoryl chloride as the catalyst.

2,135,448

ORGANIC ACID SYNTHESIS

Donald J. Loder, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 13, 1935, Serial No. 54,326
21 Claims. (Cl. 260—532)

9. In a liquid phase process for the preparation of an organic acid the steps which comprise forming an addition compound between a boron halide and a compound selected from the group consisting of monohydric aliphatic alcohols and compounds which form monohydric aliphatic alcohols upon hydrolysis and subsequently reacting the resulting addition compound with carbon monoxide in the presence of water.

2,135,449

PROCESS OF PREPARING ALIPHATIC ESTERS

Donald J. Loder, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 13, 1935, Serial No. 54,331
13 Claims. (Cl. 260—496)

1. In a process for the preparation of an aliphatic carboxylic acid ester by the interaction of an alkyl ether and carbon monoxide the step which comprises reacting one mol of an aliphatic ether with not appreciably more than one mol of carbon monoxide in the presence of a boron halide under temperatures between room temperature and 350° C. and pressures between 1 and 1000 atmospheres, alkyl ether, unreacted with carbon monoxide, being present throughout the reaction.

2,135,450

PREPARATION AND RECOVERY OF ALIPHATIC ESTERS

Alfred T. Larson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 13, 1935, Serial No. 54,324
20 Claims. (Cl. 260—496)

1. A process which comprises condensing an aliphatic ether with carbon monoxide in the presence of a halide of an element selected from the group consisting of the amphoteric elements and the elements which upon hydrolysis form weak bases, to give an ester under elevated pressure, adding to the reaction mixture an aliphatic ether and distilling from the resulting solution the ester formed.

2,135,451

ORGANIC ACID SYNTHESIS

Donald J. Loder, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 13, 1935, Serial No. 31,208
20 Claims. (Cl. 260—532)

1. A process for the preparation of organic acids which comprises reacting in the liquid phase an unsubstituted, saturated aliphatic alcohol and carbon monoxide in the presence of boron fluoride at a temperature below 350° C.

2,135,452

SYNTHESIS OF ALIPHATIC ORGANIC ACIDS AND ESTERS

Donald J. Loder, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 13, 1935, Serial No. 31,209
16 Claims. (Cl. 260—532)

1. In a process for the preparation of aliphatic organic acids the step which comprises reacting carbon monoxide, in the vapor phase and in the presence of boron fluoride, with a compound selected from the group consisting of a saturated, aliphatic alcohol and a compound which gives a saturated, aliphatic monohydric alcohol, upon decomposition, under the conditions of the reaction.

2,135,453

PREPARATION OF OXYGENATED ORGANIC COMPOUNDS

Donald John Loder, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 22, 1935, Serial No. 46,119
29 Claims. (Cl. 260—532)

1. A process for the preparation of oxygenated organic compounds which comprises contacting, at a temperature below 350° C., and in the liquid phase, carbon monoxide and a compound selected from the group consisting of aliphatic alcohols and compounds which will hydrolyze to an aliphatic alcohol, with, per mol of the compound, from 0.25 to 2.0 mols of an aqueous halide of an element selected from the group consisting of the amphoteric elements and the elements which form weak bases, as the condensing agent.

2,135,454

CATALYST PREPARATION

Ambrose McAlevy, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 26, 1935, Serial No. 46,876
6 Claims. (Cl. 23—88)

1. In a process for the preparation of hydrated boron trifluoride catalysts the steps of interacting, in a closed vessel, liquid anhydrous hydrofluoric acid with a compound selected from the

group consisting of boric acid, boric anhydride, and a borate at temperature below 10° C. in such proportions that the sum of the reactants adds up to one empirical formula of the group consisting of $BF_3.2H_2O$ and $BF_3.3H_2O$.

2,135,455

ALCOHOLS FROM OLEFINES

Donald J. Loder, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 13, 1935, Serial No. 54,327

20 Claims. (Cl. 260—641)

1. A process which comprises hydrating an olefinic hydrocarbon characterized in that the olefinic hydrocarbon is hydrated in the presence of a boron halogen hydrating agent.

2,135,456

SEPARATION OF CONSTITUENTS FROM AN ORGANIC COMPLEX

Donald J. Loder, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 13, 1935, Serial No. 54,328

21 Claims. (Cl. 260—540)

1. In a process involving the recovery of a distillable organic product from its solution with a boron-halogen-containing compound associated with water under conditions at which dehydration of the association occurs the step which comprises maintaining the ratio of water to the boron-halogen-containing compound at a value which will prevent the formation of halogen-containing hydrolysis products during the recovery of the organic product.

2,135,457

SEPARATION OF THE CONSTITUENTS IN ORGANIC COMPLEXES

Donald J. Loder, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 13, 1935, Serial No. 54,330

7 Claims. (Cl. 260—540)

6. A process for the separation of a simple, lower aliphatic carbon-hydrogen-oxygen compound, distillable without substantial decomposition from its complex with boron fluoride, which comprises adding thereto an excess of a simple, lower aliphatic oxygenated addition agent, which is substantially inert with respect to said compound and which forms a complex with boron fluoride, subsequently distilling from the resulting mixture the said compound and leaving, as the residue, a complex of the boron fluoride and the addition agent.

7. In a process for the separation of acetic acid from its complex with boron fluoride, the steps which comprise reacting the complex with propionic acid and subsequently separating from the resulting mixture the acetic acid.

2,135,458

SEPARATION OF CONSTITUENTS FROM ORGANIC COMPLEXES

Raymond F. Schultz, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 13, 1935, Serial No. 54,351

12 Claims. (Cl. 260—478)

3. In a process of separating acetic acid from its complex with boron fluoride the steps which comprise adding calcium fluoride to the complex, separating acetic acid from the resulting mixture by distillation, heating the residue containing the calcium fluoride-boron fluoride complex and collecting the boron fluoride driven off.

11. In a process of separating an organic compound from its complex with a boron halide, the steps which comprise adding thereto a metal halide which forms a complex with the boron halide, and subsequently separating the organic compound from the metal halide-boron halide complex.

2,135,459

PREPARATION OF ORGANIC ACIDS FROM OLEFINES AND CARBON MONOXIDE

Donald John Loder, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 7, 1936, Serial No. 89,457

11 Claims. (Cl. 260—533)

1. A process for the preparation of aliphatic carboxylic acids from a hydrating agent, carbon monoxide, and lower molecular weight olefinic hydrocarbon, which includes the step of effecting the reaction in the presence of a condensing agent prepared by adding as the condensing agent not appreciably more than 5 mols of water per mol of a boron fluoride.

2,135,460

PREPARATION OF BORON FLUORIDE

Donald J. Loder, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 5, 1936, Serial No. 94,337

8 Claims. (Cl. 23—88)

8. In a process for the preparation of a boron fluoride compound the steps which comprise adding an alkaline earth metal halide to a water-boron fluoride complex and subsequently separating from the resulting alkaline earth metal halide-boron fluoride complex the boron fluoride by heat.

2,135,461

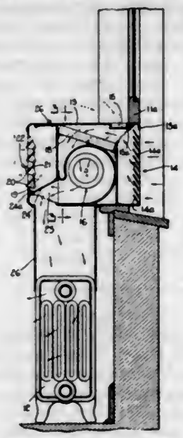
PORTABLE VENTILATING ATTACHMENT FOR RADIATORS

Clarence M. Woolley, New York, N. Y., assignor to American Radiator Company, New York, N. Y., a corporation of New Jersey

Application March 6, 1936, Serial No. 67,462

4 Claims. (Cl. 98—38)

2. For use with a radiator positioned within an inclosure, a portable ventilating attachment comprising a casing having air ingress means at one end adapted for connection with a source of exterior air and having air egress means at another end adapted for engagement solely at a face of a radiator in communication with the heat exchange passages thereof; air ingress means for admitting inclosure-air to said casing; means for regulating the relative admission of exterior-air and inclosure-air to said casing; air egress means in said casing apart from the first named air egress means and communicating directly with the inclosure; means for regulating the relative discharge of air from the casing directly into the inclosure or indirectly thereinto over the heat exchange surfaces of the radiator; and means effecting intake of air to said casing by way of either or both of said air ingress means, passage of air through said casing, and



discharge of air through either or both of said air egress means.

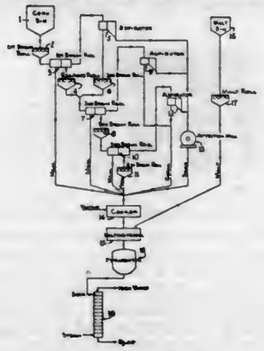
2,135,462

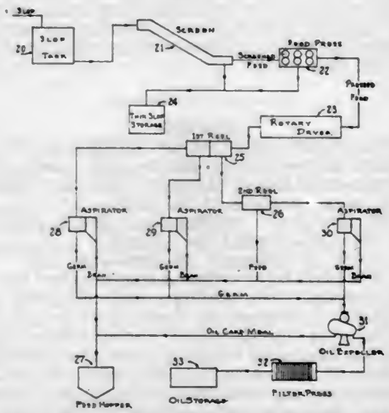
PROCESS FOR RECOVERING MAIZE OIL

Eugene J. Boroughs, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland

Application June 28, 1937, Serial No. 150,710

11 Claims. (Cl. 87—6)





1. In a process in which a maize-containing grain meal is subjected to a starch conversion treatment to convert the maize starch into water-soluble products without substantially adversely affecting the maize germ, the method for recovering maize oil which comprises breaking maize kernels to free germs in a whole or only partially broken state, separating the whole or only partially broken germs from the broken kernels, breaking the starchy portions of the kernels to a degree of fineness such that germs in whole maize ground to the same degree would be broken into fine particles, incorporating both the finely broken starchy portions and the whole and only partially broken germs in the grain mean to be subjected to the starch conversion treatment, subjecting the resulting meal to a treatment to convert the maize starch into water-soluble products without substantially adversely affecting the maize germ separating germ particles from the product of said starch conversion treatment, and recovering oil from said germ particles.

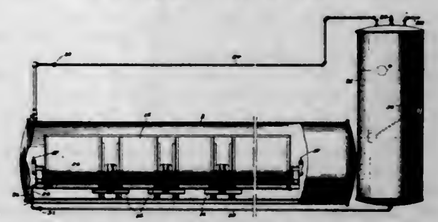
2,135,463

WOOD IMPREGNATING APPARATUS

Joseph Randolph Coolidge, Sandwich, N. H., assignor, by mesne assignments, to Montan Pole Co., Boston, Mass., a corporation of Massachusetts

Application July 31, 1936, Serial No. 93,561

1 Claim. (Cl. 21—65)



In a wood impregnating apparatus, the combination with a pressure treating cylinder equipped with a track adapted for the travel of cars into and out of the cylinder, and mechanism for creating high fluid pressure conditions in said cylinder, of a supplemental treating tank mounted for movement on said track into and out of said cylinder, a supplemental supply tank for treating liquid, means for connecting said supplemental supply tank with said treating tank to conduct said treating liquid to the latter while it is enclosed in said cylinder, whereby said mechanism may be utilized in the impregnation of charges of wood in said supplemental tank, means for equalizing the fluid pressure conditions during the treating operation in said supplemental supply tank and said treating tank, whereby the same liquid level can be maintained in both, and gauging means for indicating variations in said level as the treating operation progresses.

2,135,464

AIRCRAFT WING STRUCTURE

Alexander P. de Seversky, New York, N. Y.

Application June 29, 1935, Serial No. 29,123

1 Claim. (Cl. 244—123)



In an airplane wing-structure, a plurality of separately-prefabricated units each comprising a

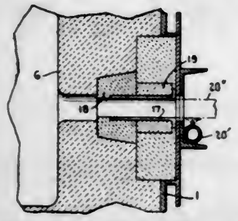
top sheathing and a bottom sheathing connected by vertical webbing extending parallel to the direction of flight and each being open at its front face and its rear face, said units meeting on separate vertical webs extending longitudinally of the wing and having vertical angle-members serving as means for connection between meeting units, the units thus constituting the wing multicellular from leading-edge to trailing-edge and from tip to root, no single one of said united units carrying even the major portion of the wing-loading, and the webs which extend parallel to the direction of flight carrying vertical and diagonal angles constituting chordwise trussing between the longitudinal webs, whereby the majority of the number of said webs extending parallel to the flight-direction, in disconnected locations, may be destroyed and all of said longitudinally-extending webs except any two may be destroyed, without thereby destroying the integrity of the wing itself.

2,135,465

CONTINUOUS CASTING OF METAL SHAPES

Byron E. Eldred, Scarsdale, N. Y.

Application October 26, 1935, Serial No. 46,884
7 Claims. (Cl. 22—200.1)



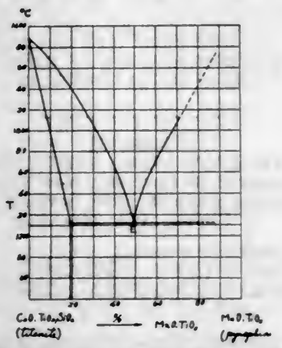
1. A method of casting metal to form continuous castings from superheated molten metal, which includes progressively removing the superheat and the latent heat from the molten metal successively and independently in separate paths of heat flow.

2,135,466

TREATMENT OF TITANIUM BEARING IRON ORES OR SPONGY IRON OBTAINED THEREFROM

Keizô Iwasé, Sendai, Japan, assignor to Kinzoku Zairyo Henkyusho (The Research Institute for Iron, Steel and Other Minerals), Sendai, Japan

Application October 8, 1937, Serial No. 168,060
3 Claims. (Cl. 75—12)



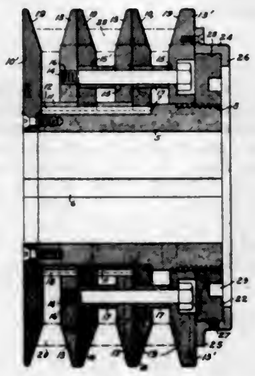
1. In the process of separating titanium oxide directly from titanium bearing iron ores by reduction of the iron with carbon and from spongy iron produced from such ores, the step which comprises adding to the iron containing reduction product as fluxes from 40 to 25 parts by weight of calcium oxide and from 55 to 35 parts by weight of manganese oxide for every 100 parts by weight of titanium oxide contained therein and smelting this and regulating the silica content of the charge suitably so that the slag produced constitutes an eutectic mixture of titanite and pyrophanite, thereby producing a slag having a content of titanium oxide higher than 35% and of manganese oxide higher than 15% and having a correspondingly low melting point.

2,135,467

VARIABLE PITCH SHEAVE

Ora F. Metz, El Paso, Tex., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application June 20, 1936, Serial No. 86,297
1 Claim. (Cl. 74—230.17)



A variable pitch sheave comprising a hub exteriorly threaded at one end, a plurality of disks fixed on said hub, a plurality of slidable disks mounted on said hub in alternating relation with said fixed disks, means passing freely through said fixed disks and clamping said slidable disks into a unitary structure, an adjusting nut threadably engaging said exteriorly threaded end of said hub, and a retaining ring fixed to said slidable disk unit and restraining said adjusting nut from axial movement relative to said slidable disk unit.

2,135,468

SOLVENT REFINING WITH NITROALCOHOLS

Glen H. Morey, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland

No Drawing. Application June 7, 1937, Serial No. 146,857
7 Claims. (Cl. 196—13)

1. The method of refining hydrocarbon oil containing relatively paraffinic and relatively non-paraffinic constituents, including naphthenic, aromatic, and unsaturated hydrocarbons, to remove the undesired relatively non-paraffinic constituents therefrom, which comprises extractively treating the oil with an aliphatic nitroalcohol whereby the undesired constituents are separated from the oil as an extract soluble in the solvent liquid.

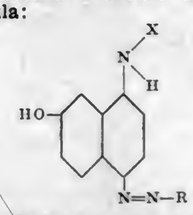
2,135,469

MONOAZO DYESTUFFS

Heinrich Morschel, Cologne-Deutz, and Otto Goll, Leverkusen I. G.-Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application July 28, 1936, Serial No. 93,116. In Germany August 16, 1935
2 Claims. (Cl. 260—198)

1. Water insoluble monoazo dyestuffs of the general formula:



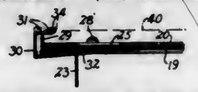
wherein X stands for a member selected from the group consisting of hydrogen, alkyl and aryl, and R stands for a member selected from the group consisting of radicals of the benzene and naphthalene series free from solubilizing groups, said dyestuffs having affinity for vegetable fibers.

2,135,470

PAD HOLDING DEVICE

John E. Benholdt, Bridgeport, Conn., assignor to Dictaphone Corporation, New York, N. Y., a corporation of New York

Application July 18, 1936, Serial No. 91,277
6 Claims. (Cl. 281—44)



1. In apparatus of the class wherein a pad of memorandum sheets is positioned in a tray adjacent a marking device, and wherein said marking device is adapted to move along said pad in a predetermined path, the combination of, a tray comprising a base portion with an end flange-like portion located so that a pad may be accurately positioned by sliding said pad in said tray in a predetermined direction until movement is stopped by said flange-like portion, and a clamping means attached to the under side of said tray and extending over the top of said tray and over, but out of contact with, said flange-like portion, said clamping means being shaped to form a cut-out portion adjacent its point of attachment to said tray and said tray having a supporting leg which extends through said cut-out portion.

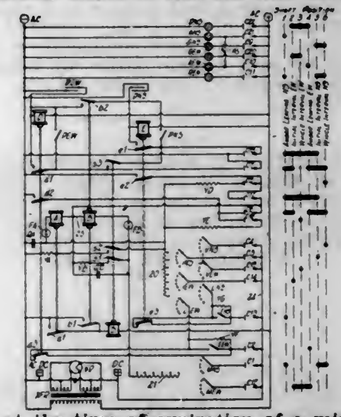
2,135,471

TRAFFIC CONTROL SIGNAL

Alfred Percy Bailey Renshaw, Kingston Hill, England, assignor, by mesne assignments, to Automatic Telephone & Electric Company Limited, London, England

Application February 1, 1935, Serial No. 4,454
In Great Britain February 14, 1934
12 Claims. (Cl. 177—337)

1. A traffic control system for interfering traffic lanes having traffic actuatable means in each of the lanes, a first set of circuits including signals for according right of way to one of the lanes and interrupting right of way to the other lane, a second set of circuits including signals for according right of way to said other lane and interrupting right of way to said one lane, a right of way controller connected to said traffic actuatable means and to said signalling circuits for controlling the latter and including a cyclic switch having two parts to its cycle, and adapted in one part of its cycle to energize said first set of signalling circuits and in the other part of its cycle to energize said second set of signalling circuits, means forming a part of said controller and operable while said switch is in said other part of its cycle and when actuation of the traffic actuatable means in said one lane occurs before or at the time of expiration of a minimum period to move said switch to said one part of its cycle for a normal predetermined minimum period of time and means operable when actuation of said traffic actuatable means occurs after expiration of said minimum period while said switch is still in said other part of its cycle to move substantially immediately said switch to said one part of its cycle and for a shorter than normal predetermined minimum period of time.

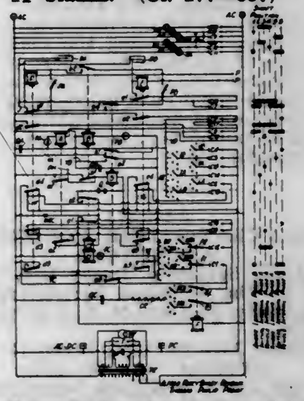


2,135,472

TRAFFIC CONTROL SYSTEM

Alfred Percy Bailey Renshaw, Kingston Hill, and Thomas Philip Preist, Roby, near Liverpool, England, assignors, by mesne assignments, to Automatic Telephone & Electric Company Limited, London, England

Application May 16, 1936, Serial No. 80,056
In Great Britain May 21, 1935
11 Claims. (Cl. 177—337)



1. A traffic control system arranged to control right of way in a traffic lane and including in combination, traffic actuated means in the lane, a control mechanism for according right of way

to and transferring right of way from said lane, said mechanism including timing means for maintaining right of way in said lane for at least a minimum and up to a maximum period in response to successive operations of said traffic actuated means occurring during accord of right of way to said lane, and spaced from each other within a predetermined time interval, a timing device included in said control mechanism to measure a time interval less than said predetermined time interval and beginning from each of such operations of the traffic actuated means, and means operating upon completion of its time interval by said timing device to reduce said maximum period of said timing means.

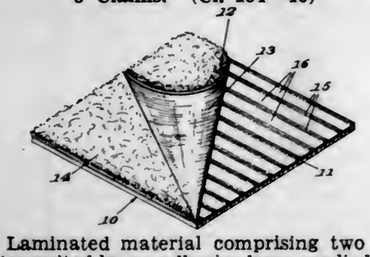
2,135,473

LAMINATED LINING MATERIAL

Frank H. Russell, Needham, Mass., assignor to Pepperell Manufacturing Company, Boston, Mass., a corporation of Massachusetts

Application August 15, 1936, Serial No. 96,217

5 Claims. (Cl. 154—46)



2. Laminated material comprising two textile fabrics united by an adhesive layer applied to one of said fabrics in a series of alternately thick and thin striations, the film of adhesive in the thin striations being discontinuous and being of such area relative to the area covered by the thick striations that the composite laminated material is rendered highly pervious.

2,135,474

RADIOGRAPHIC SUBSTANCE

Albert Parsons Sachs, New York, N. Y., assignor to Zonite Products Corporation, a corporation of Delaware

No Drawing. Application July 26, 1933, Serial No. 682,277

8 Claims. (Cl. 167—95)

6. A composition for use in the radiography of internal organs, comprising the sodium salt of one or more of the following acids: di-iodo-hippuric; di-bromo-hippuric; di-bromo-iodo-hippuric; ortho-iodo-hippuric; o-iodobenzoyl-dl-α-amino-n-valeric; o-iodobenzoyl-d-glutamic; o-iodobenzoyl-dl-α-amino-phenylacetic; and o-iodobenzoyl-5-aminosalicylic.

2,135,475

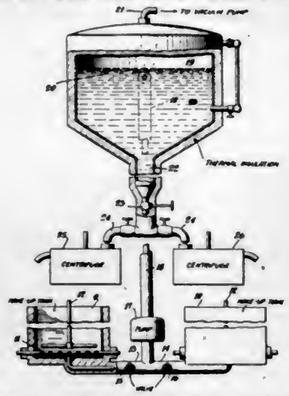
MAKING CRYSTALLINE MONOCALCIUM PHOSPHATE

Robert Louis Sebastian, Rocky Hill, N. J., assignor to The American Agricultural Chemical Company, Newark, N. J., a corporation of Delaware

Application July 25, 1936, Serial No. 92,522

4 Claims. (Cl. 23—109)

2. In the art of producing crystalline monocalcium phosphate from a solution thereof in hot phosphoric acid, in which crystallization is caused by decreasing the solvent power of the acid by evaporation and cooling, after which the crystals are passed through a zone wherein they are grown to a desired size: the improvement which comprises delivering the solution at a temperature of about 85° C. to a crystallizing zone, and solely by evaporation therein and such fall of temperature as results from the evaporation decreasing the solvent power of the acid whereby small crystals are formed, the fall of temperature being to a value not less than about 65° C.;



forthwith passing the solution and the crystals so formed into a crystal-growing zone wherein the temperature is maintained substantially unchanged and the growth of the crystals increases the acid concentration of the solution thereby causing further growth with further increase of acid concentration and further growth, until the crystals have attained the desired size; and withdrawing the crystals and acid from the growing zone for recovery of the former.

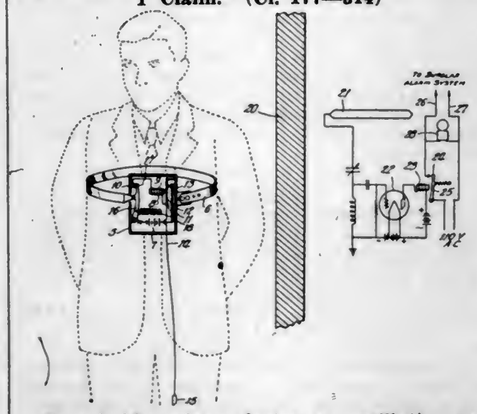
2,135,476

HOLD-UP ALARM

Harry O. Rugh, Chicago, Ill., assignor of nine-twentieths to Elbridge Gerry Bates, Glen Ellyn, Ill., and Claude Vincent Yates, Chicago, Ill., and one-twentieth to Kenneth C. Brown, Evanston, Ill.

Application October 25, 1934, Serial No. 749,956

1 Claim. (Cl. 177—314)



In a holdup alarm device, an oscillation generating device adapted to generate oscillations capable of being picked up by a stationary receiving apparatus out of reach of the operator of the generating device, and means for mounting said device in completely concealed position upon the operator's body, including means for actuating said device upon abnormal expansion of the body of the operator.

2,135,477

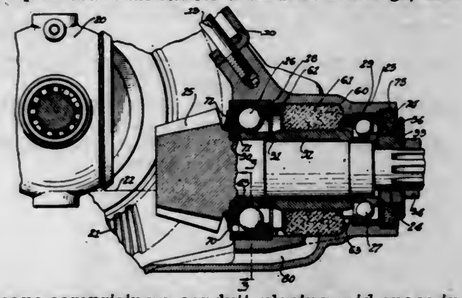
MOTOR VEHICLE

Walter R. Griswold, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application April 13, 1935, Serial No. 16,147

6 Claims. (Cl. 184—6)

1. In a motor vehicle, the combination with a gear casing having an opening therein, of a gear shaft extending through said opening, two separated bearings in said casing for supporting said shaft, said casing forming a main lubricating space and forming a compartment between said bearings separated from said space by one of said bearings, packing between the casing and shaft on the side of each bearing away from said compartment, lubricant retaining material such as felt substantially filling said compartment and in open communication with said bearings, and

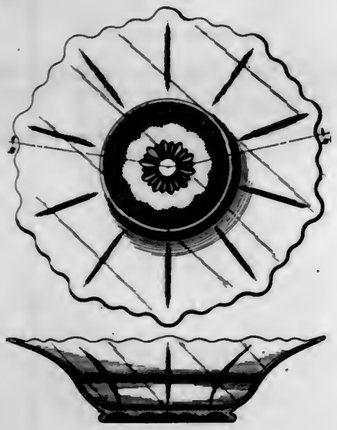


means comprising a conduit placing said space in communication with said compartment but through said felt only.

DESIGNS

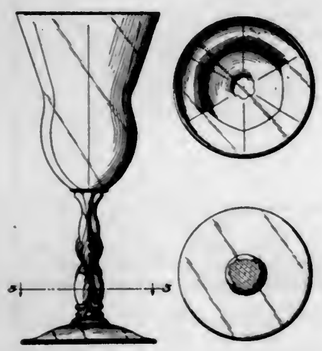
NOVEMBER 1, 1938

111,948
DESIGN FOR A BOWL OR SIMILAR ARTICLE
Arthur James Bennett, Cambridge, Ohio
Application August 26, 1938, Serial No. 79,580
Term of patent 7 years



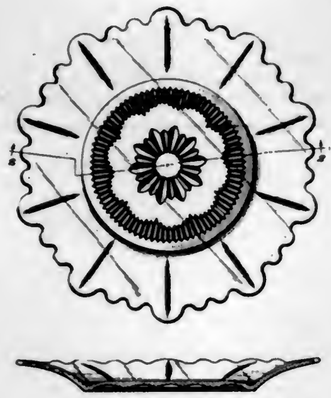
The ornamental design for a bowl or similar article, substantially as shown.

111,949
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Arthur J. Bennett, Cambridge, Ohio
Application August 26, 1938, Serial No. 79,582
Term of patent 7 years



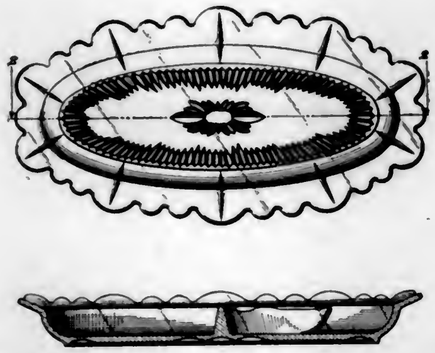
The ornamental design for a goblet or similar article, substantially as shown.

111,950
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Arthur James Bennett, Cambridge, Ohio
Application August 26, 1938, Serial No. 79,583
Term of patent 7 years



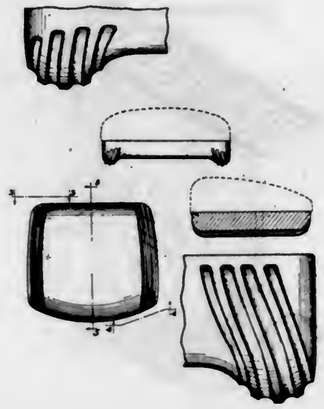
The ornamental design for a plate or similar article, substantially as shown.

111,951
DESIGN FOR A RELISH DISH OR SIMILAR ARTICLE
Arthur James Bennett, Cambridge, Ohio
Application August 26, 1938, Serial No. 79,584
Term of patent 7 years



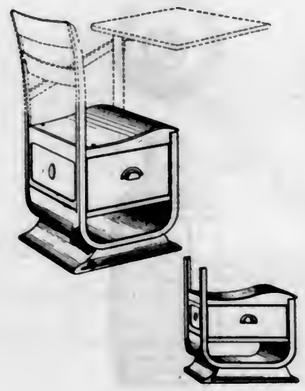
The ornamental design for a relish dish or similar article, substantially as shown.

111,952
DESIGN FOR A CHAIR SEAT
Willard H. Bond, Jr., East Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application February 5, 1938, Serial No. 74,903
Term of patent 14 years



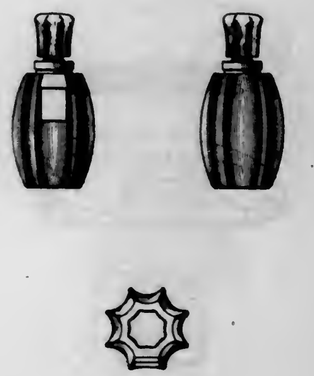
The ornamental design for a chair seat, substantially as shown and described.

111,953
DESIGN FOR A COMBINED CHAIR AND DESK
Willard H. Bond, Jr., East Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application February 5, 1938, Serial No. 74,905
Term of patent 14 years



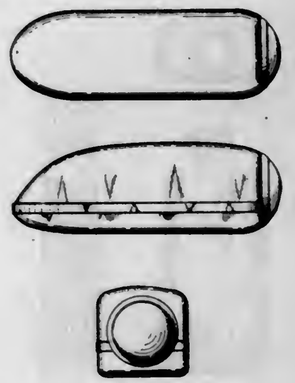
The ornamental design for a combined chair and desk, substantially as shown and described.

111,954
DESIGN FOR A PERFUME BOTTLE OR SIMILAR ARTICLE
John D. Buckingham, Chicago, Ill., assignor to Lucien Lelong, Inc., Chicago, Ill., a corporation of Illinois
Application September 2, 1938, Serial No. 79,705
Term of patent 7 years



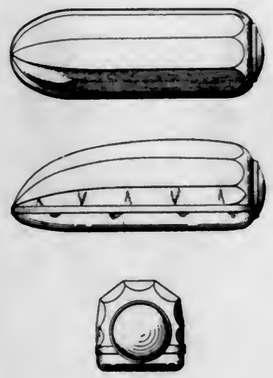
The ornamental design for a perfume bottle or similar article, as shown.

111,955
DESIGN FOR A LAMP
William C. Crimmins, Marion, Ind., assignor to Delta Electric Company, Marion, Ind., a corporation of Indiana
Application June 21, 1938, Serial No. 77,975
Term of patent 7 years



The ornamental design for a lamp, substantially as shown.

111,956
DESIGN FOR A LAMP
William C. Crimmins, Marion, Ind., assignor to Delta Electric Company, Marion, Ind., a corporation of Indiana
Application June 21, 1938, Serial No. 77,978
Term of patent 7 years



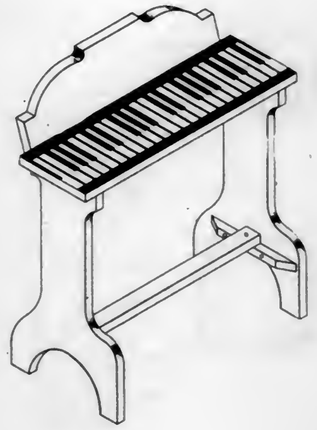
The ornamental design for a lamp, substantially as shown.

111,957
DESIGN FOR A BOTTLE
Ronald H. Dallas, South Gate, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application August 16, 1938, Serial No. 79,372
Term of patent 7 years



The ornamental design for a bottle, substantially as shown.

111,958
DESIGN FOR A SCHOOL DESK
Carrie Love Jones Davis, Anniston, Ala.
Application September 15, 1938, Serial No. 79,916
Term of patent 14 years



The ornamental design for a school desk, substantially as shown.

111,959
DESIGN FOR A BEER BOTTLE
Clarence R. Deible, Marienville, Pa., assignor to Knox Glass Associates, Inc., Oil City, Pa., a corporation of Pennsylvania
Application September 13, 1938, Serial No. 79,868
Term of patent 14 years



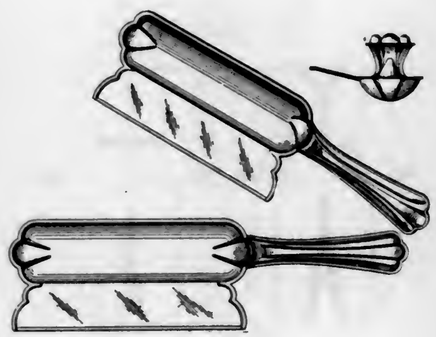
The ornamental design for a beer bottle, as shown.

111,960
DESIGN FOR A MIRROR
Ceabern S. De Rauf, Des Moines, Iowa
Application September 23, 1937, Serial No. 71,757
Term of patent 3½ years



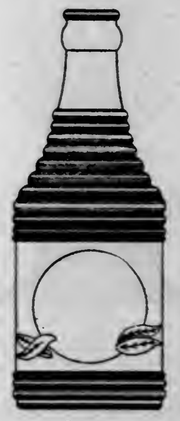
The ornamental design for a mirror, substantially as shown.

111,961
DESIGN FOR A CRUMBER
Simon W. Farber, Brooklyn, N. Y.
Application June 14, 1938, Serial No. 77,821
Term of patent 14 years



The ornamental design for a crumber, substantially as shown.

111,962
DESIGN FOR A BOTTLE
Manuel A. Frank, Philadelphia, Pa., assignor of one-sixth to Max Frank, one-sixth to Anna Frank, one-sixth to Mary Frank, one-sixth to Perry B. Frank, and one-sixth to Sidney Frank, all of Philadelphia, Pa.
Application September 15, 1938, Serial No. 79,923
Term of patent 7 years



The ornamental design for a bottle, as shown and described.

111,963
DESIGN FOR A COAT
Irving Goldberg, New York, N. Y.
Application July 7, 1938, Serial No. 78,330
Term of patent 3½ years



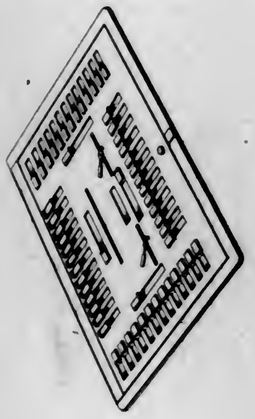
The ornamental design for a coat substantially as shown and described.

111,964
DESIGN FOR A HAT
Martin A. Goldstein, New York, N. Y.
Application August 31, 1938, Serial No. 79,652
Term of patent 3½ years



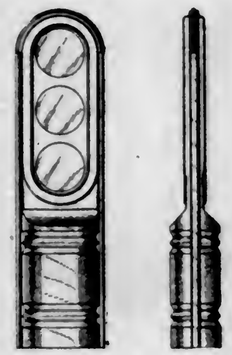
The ornamental design for a hat, as shown and described.

111,965
DESIGN FOR A GAME BOARD OR SIMILAR ARTICLE
Jack Goodson, London, England
Application January 26, 1938, Serial No. 74,569
Term of patent 14 years



The ornamental design for a game board or similar article, as shown.

111,966
DESIGN FOR A REFLECTOR SIGNAL DEVICE OR THE LIKE
John C. Haggart, Jr., Westfield, N. J., assignor to Signal Service Corporation, a corporation of Delaware
Application August 4, 1938, Serial No. 79,098
Term of patent 14 years



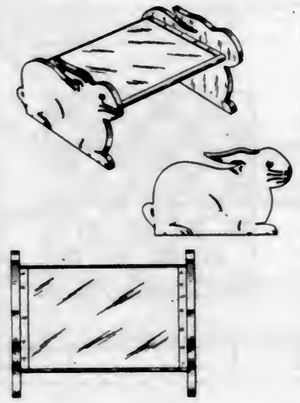
The ornamental design for a reflector signal device or the like, as shown.

111,967
DESIGN FOR A NIGHTSHIRT
Louis W. Helmuth, Lakewood, Ohio
Application September 28, 1937, Serial No. 71,840
Term of patent 14 years



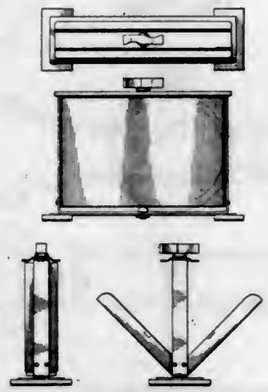
The ornamental design for a nightshirt, substantially as shown.

111,968
DESIGN FOR A CHILD'S STEP-UP STOOL
Frank B. Holmes, Jr., Orchard Lake, Mich.
Application September 20, 1937, Serial No. 71,699
Term of patent 3½ years



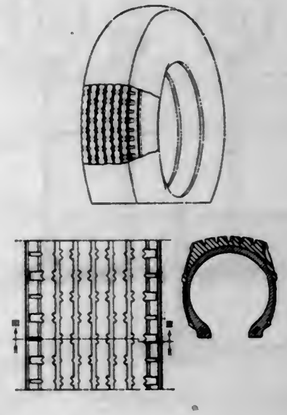
The ornamental design for a child's step-up stool, substantially as shown.

111,969
DESIGN FOR A CIGARETTE CONTAINER
James H. Horsley, Chicago, Ill., assignor to Shanklin Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application August 29, 1938, Serial No. 79,621
Term of patent 14 years



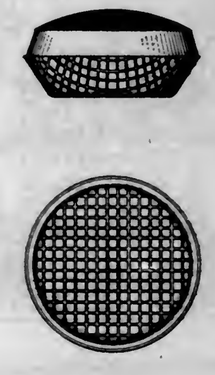
The ornamental design for a cigarette container, substantially as shown.

111,970
DESIGN FOR A TIRE
Glenn Hullinger, Shreveport, La., assignor to Arkansas Fuel Oil Company, Shreveport, La., a corporation of West Virginia
Application July 14, 1938, Serial No. 78,479
Term of patent 14 years



The ornamental design for a tire, as shown.

111,971
DESIGN FOR A CONFECTION
Harry W. Huse, Glendale, Calif.
Application April 8, 1938, Serial No. 76,377
Term of patent 14 years



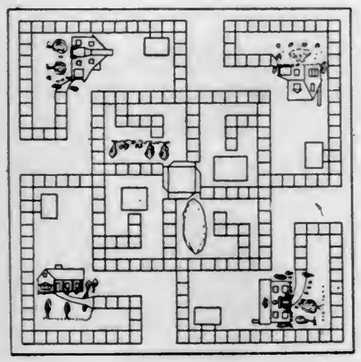
The ornamental design for a confection, as shown and described.

111,972
DESIGN FOR AN AIR CIRCULATOR
Joseph J. Janca, St. Louis, Mo., assignor to The Emerson Electric Mfg. Co., St. Louis, Mo., a corporation of Missouri
Application July 30, 1937, Serial No. 70,753
Term of patent 7 years



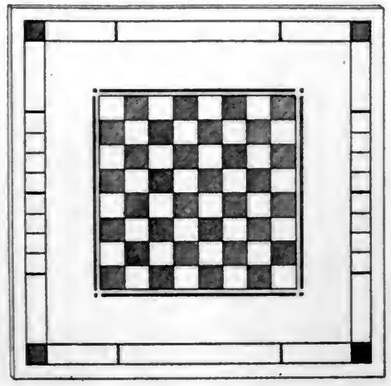
The ornamental design for an air circulator, as shown and described.

111,973
DESIGN FOR A GAME BOARD
Minnis R. Jeffers, Bulisgap, Tenn.
Application June 2, 1938, Serial No. 77,534
Term of patent 3½ years



The ornamental design for a game board, as shown.

111,974
DESIGN FOR A GAME BOARD
James T. Kimbrell, Selma, Ala.
Application March 10, 1938, Serial No. 75,738
Term of patent 14 years



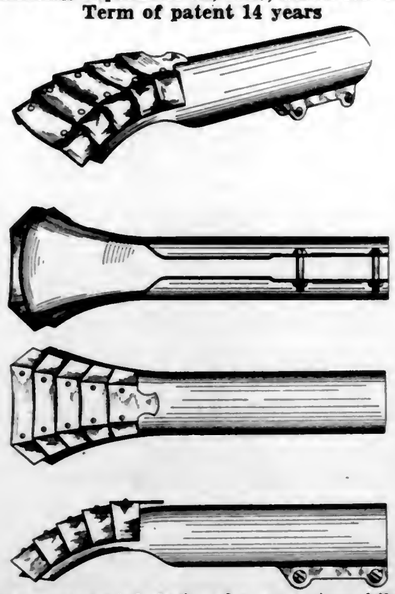
The ornamental design for a game board, as shown and described.

111,975
DESIGN FOR A FINGER RING
John J. Klecka, Brooklyn, N. Y., assignor to J. R. Wood & Sons, Inc., Brooklyn, N. Y., a corporation of New York
Application March 24, 1938, Serial No. 76,074
Term of patent 14 years



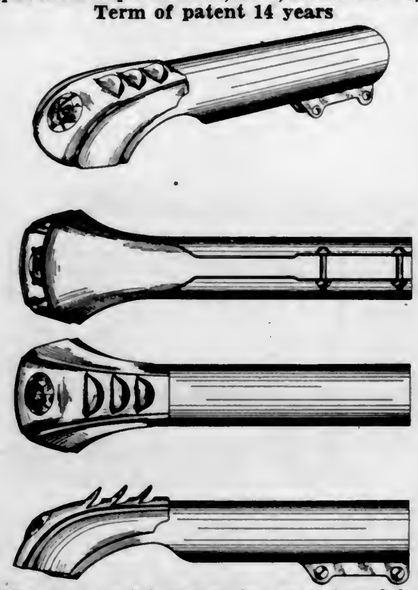
The ornamental design for a finger ring, as shown.

111,976
DESIGN FOR AN AUTOMOBILE EXHAUST SHROUD
Louis A. Koch, Louisville, Ky.
Application September 23, 1938, Serial No. 80,061
Term of patent 14 years



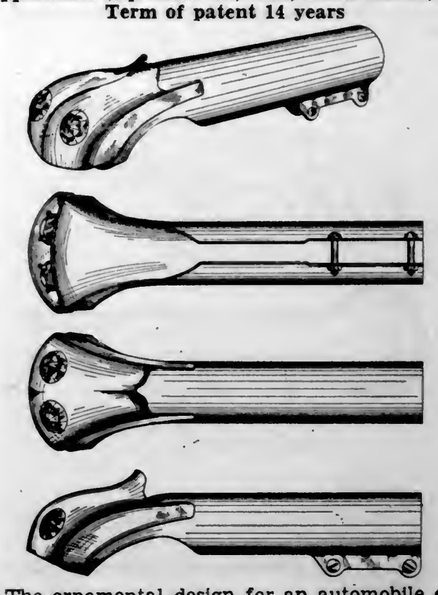
The ornamental design for an automobile exhaust shroud, as shown.

111,977
DESIGN FOR AN AUTOMOBILE EXHAUST SHROUD
Louis A. Koch, Louisville, Ky.
Application September 23, 1938, Serial No. 80,062
Term of patent 14 years



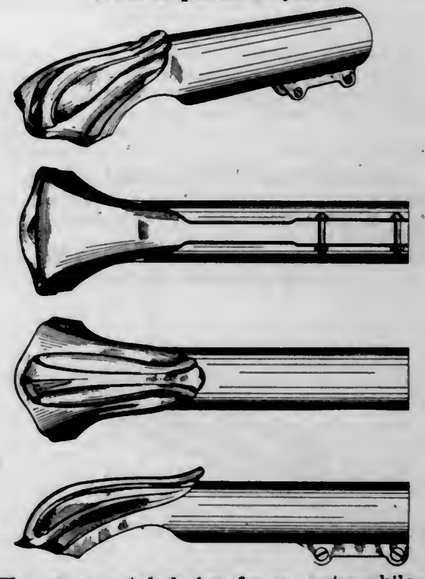
The ornamental design for an automobile exhaust shroud, as shown.

111,978
DESIGN FOR AN AUTOMOBILE EXHAUST SHROUD
Louis A. Koch, Louisville, Ky.
Application September 23, 1938, Serial No. 80,063
Term of patent 14 years



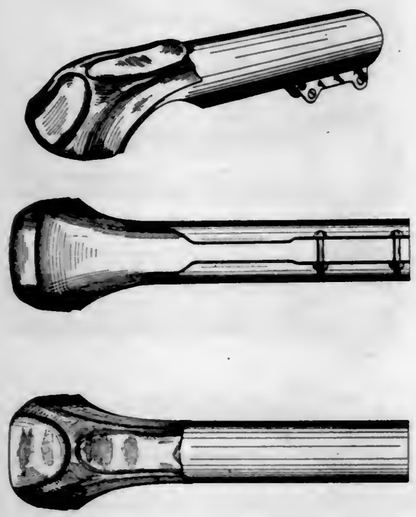
The ornamental design for an automobile exhaust shroud, as shown.

111,979
DESIGN FOR AN AUTOMOBILE EXHAUST SHROUD
Louis A. Koch, Louisville, Ky.
Application September 23, 1938, Serial No. 80,064
Term of patent 14 years



The ornamental design for an automobile exhaust shroud, as shown.

111,980
DESIGN FOR AN AUTOMOBILE EXHAUST SHROUD
Louis A. Koch, Louisville, Ky.
Application September 23, 1938, Serial No. 80,066
Term of patent 14 years



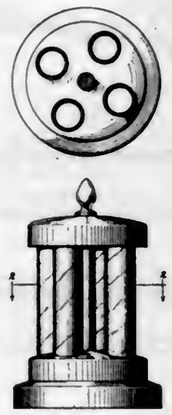
The ornamental design for an automobile exhaust shroud, as shown.

111,981
DESIGN FOR AN ELECTRIC CABLE
Glenn Koger, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application February 24, 1938, Serial No. 75,387
Term of patent 14 years



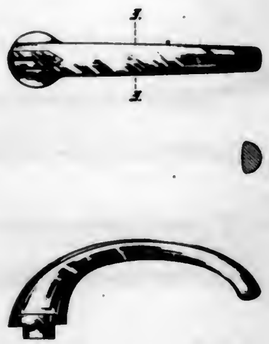
The ornamental design for an electric cable, as shown.

111,982
DESIGN FOR A PERFUME STAND
Charles Kushner, New York, N. Y.
Application August 4, 1938, Serial No. 79,093
Term of patent 3½ years



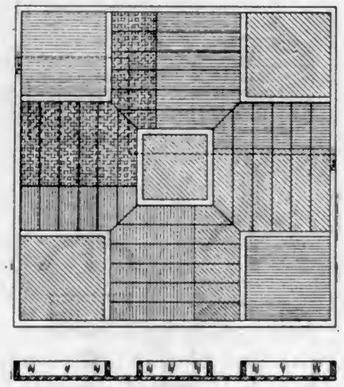
The ornamental design for a perfume stand, substantially as shown.

111,983
DESIGN FOR AN OUTSIDE DOOR HANDLE OR SIMILAR ARTICLE FOR AN AUTOMOTIVE VEHICLE
Bonnie E. Lemm, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application July 8, 1938, Serial No. 78,356
Term of patent 14 years



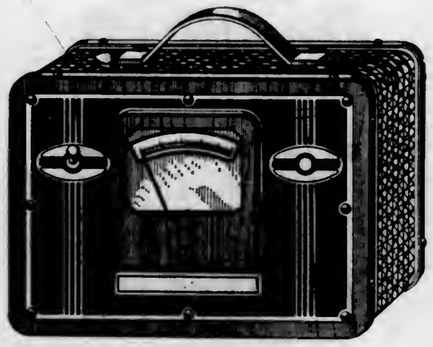
The ornamental design for an outside door handle or similar article for an automotive vehicle, substantially as shown.

111,984
DESIGN FOR A GAME BOARD
Emile Malisse, Detroit, Mich.
Application February 24, 1938, Serial No. 75,390
Term of patent 14 years



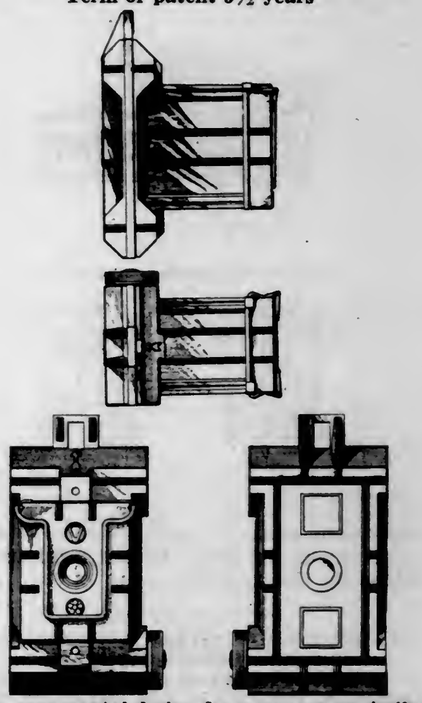
The ornamental design for a game board, as shown and described.

111,985
DESIGN FOR AN ELECTRICAL METER
Clarence E. Mead, Chicago, Ill., and Ralph E. Sturm, Baltimore, Md., assignors to Bendix Radio Corporation, Chicago, Ill., a corporation of Delaware
Application February 18, 1938, Serial No. 75,239
Term of patent 7 years



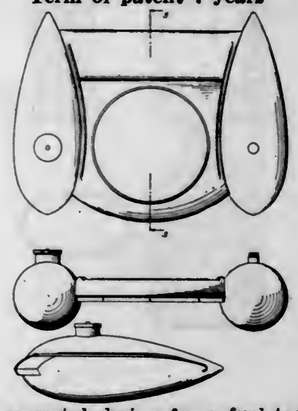
The ornamental design for an electrical meter, as shown and described.

111,986
DESIGN FOR A CAMERA OR SIMILAR ARTICLE
James D. Milne, Pittsfield, Mass., assignor, by mesne assignments, to Universal Camera Corporation, a corporation of New York
Application June 19, 1934, Serial No. 52,239
Term of patent 3½ years



The ornamental design for a camera or similar article, substantially as shown.

111,987
DESIGN FOR A FUEL TANK STRUCTURE FOR OUTBOARD MOTORS
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application July 30, 1937, Serial No. 70,746
Term of patent 7 years



The ornamental design for a fuel tank structure for outboard motors, substantially as shown.

111,988
DESIGN FOR A SIGN FOR AUTOMOBILES OR THE LIKE
Wiley L. Moore, Atlanta, Ga.
Application September 10, 1938, Serial No. 79,833
Term of patent 14 years



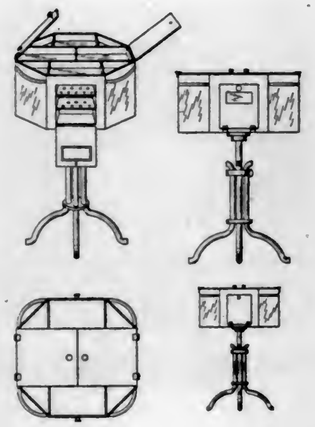
The ornamental design for a sign for automobiles or the like, as shown.

111,989
DESIGN FOR A BOTTLE
Jane A. Neumann, Bardstown, Ky.
Application August 15, 1938, Serial No. 79,344
Term of patent 7 years



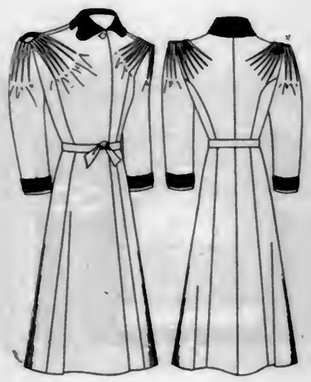
The ornamental design for a bottle, as shown.

111,990
DESIGN FOR A COMBINED STERILIZING AND IMPLEMENT HOLDING CABINET
Carell A. Newland, Kansas City, Mo.
Application June 20, 1938, Serial No. 77,948
Term of patent 3½ years



The ornamental design for a combined sterilizing and implement holding cabinet, as shown.

111,991
DESIGN FOR A COAT
Louis Newman, New York, N. Y.
Application September 22, 1938, Serial No. 80,030
Term of patent 3½ years



The ornamental design for a coat, substantially as shown and described.

111,992
DESIGN FOR A BOTTLE OR SIMILAR CONTAINER
John A. Oya, Honolulu, Territory of Hawaii
Application June 14, 1938, Serial No. 77,832
Term of patent 14 years



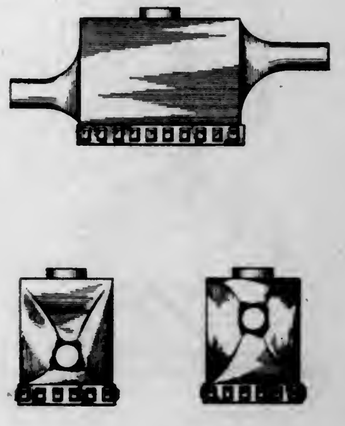
The ornamental design for a bottle or similar container, as shown.

111,993
DESIGN FOR A BOTTLE STOPPER
Ernst Pollak, New York, N. Y.
Application July 26, 1938, Serial No. 78,734
Term of patent 3½ years



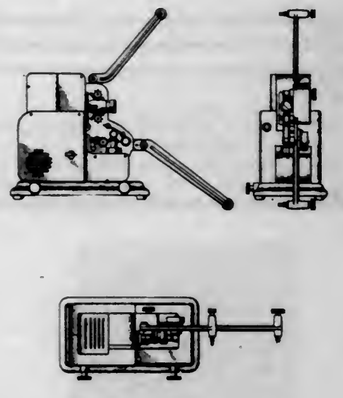
The ornamental design for a bottle stopper, as shown and described.

111,994
DESIGN FOR A COMBINED RODENT AND INSECT EXTERMINATOR
William F. Ramsay, Kerrville, Tex.
Application April 18, 1938, Serial No. 76,590
Term of patent 3½ years



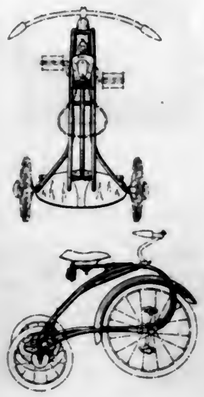
The ornamental design for a combined rodent and insect exterminator, as shown.

111,995
DESIGN FOR A MOTION PICTURE PROJECTOR APPARATUS
Harvey J. Reardon, Oak Park, Ill., assignor to Classroom Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application July 18, 1938, Serial No. 78,555
Term of patent 14 years



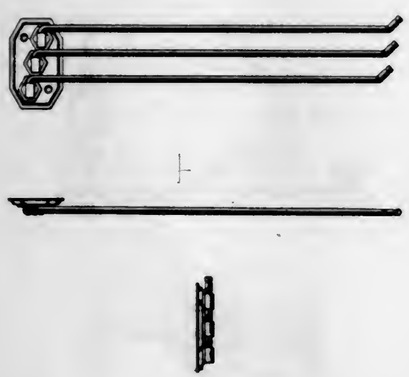
The ornamental design for a motion picture projector apparatus, as shown.

111,996
DESIGN FOR A VELOCIPEDE
William C. Roe, Elyria, Ohio, assignor to The Colson Corporation, Elyria, Ohio, a corporation of Ohio
Application August 19, 1938, Serial No. 79,450
Term of patent 7 years



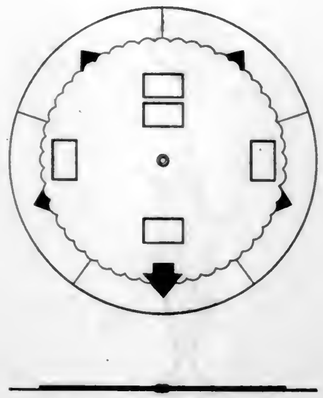
The ornamental design for a velocipede, substantially as shown.

111,997
DESIGN FOR A TOWEL RACK OR SIMILAR ARTICLE
Roy S. Sanford, Oakville, Conn., assignor to The Autoyre Company, Incorporated, Oakville, Conn., a corporation of Connecticut
Application February 28, 1938, Serial No. 75,472
Term of patent 7 years



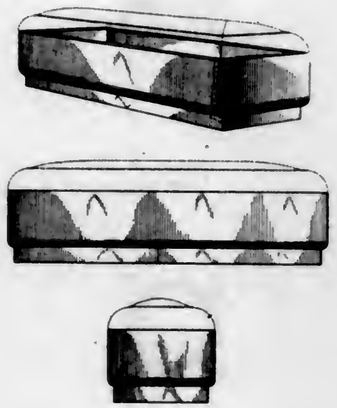
The ornamental design for a towel rack or similar article, substantially as shown and described.

111,998
DESIGN FOR A GUIDE CHART OR SIMILAR ARTICLE
Samuel J. Sigaloff, Long Island City, N. Y.
Application June 29, 1938, Serial No. 78,143
Term of patent 3½ years



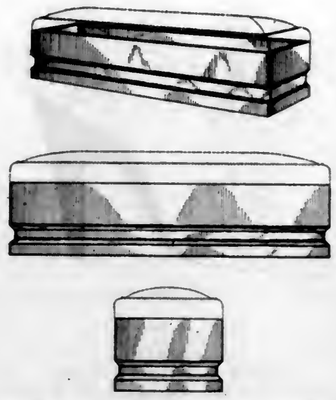
The ornamental design for a guide chart or similar article, substantially as shown and described.

111,999
DESIGN FOR A BURIAL CASKET SHELL
Harry S. Scholl, Chicago, Ill., assignor to F. H. Hill Company, Inc., Cleveland, Ohio, a corporation of Ohio
Application August 12, 1938, Serial No. 79,292
Term of patent 14 years



The ornamental design for a burial casket shell, as shown.

112,000
DESIGN FOR A BURIAL CASKET SHELL
Harry S. Scholl, Chicago, Ill., assignor to F. H. Hill Company, Inc., Cleveland, Ohio, a corporation of Ohio
Application August 13, 1938, Serial No. 79,305
Term of patent 14 years



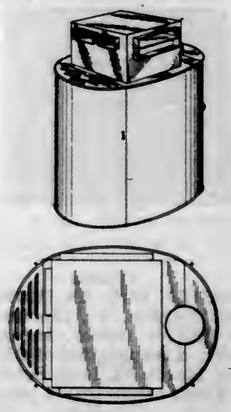
The ornamental design for a burial casket shell, as shown.

112,001
DESIGN FOR A BELT OR SIMILAR ARTICLE
Shepard Solomon, New York, N. Y.
Application August 20, 1938, Serial No. 79,472
Term of patent 3½ years



The ornamental design for a belt or similar article, substantially as shown.

112,002
DESIGN FOR A FURNACE CASING
William Stuart Somers, Columbus, Ohio
Application November 4, 1937, Serial No. 72,624
Term of patent 14 years



The ornamental design for a furnace casing, as shown.

112,003
DESIGN FOR A VANITY CASE OR SIMILAR ARTICLE
Fred Spitalny, Elizabeth, N. J.
Application January 28, 1938, Serial No. 74,627
Term of patent 3½ years



The ornamental design for a vanity case or similar article, as shown and described.

112,004
DESIGN FOR A VANITY CASE OR SIMILAR ARTICLE
Fred Spitalny, Elizabeth, N. J.
Application January 28, 1938, Serial No. 74,628
Term of patent 3½ years



The ornamental design for a vanity case or similar article, as shown and described.

112,005
DESIGN FOR A VANITY CASE OR SIMILAR ARTICLE
Fred Spitalny, Elizabeth, N. J.
Application January 28, 1938, Serial No. 74,629
Term of patent 3½ years



The ornamental design for a vanity case or similar article, as shown and described.

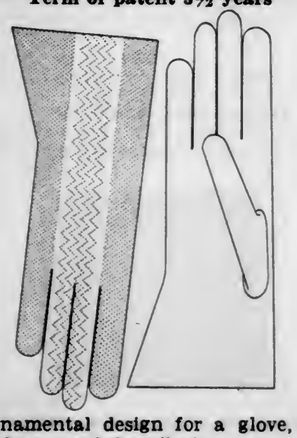
112,006
DESIGN FOR AN IRONER
William Earle Stilwell, Jr., Cincinnati, Ohio, assignor to Empire Ironer, Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application March 17, 1938, Serial No. 75,900
Term of patent 14 years





The ornamental design for an ironer, substantially as shown.

112,007
DESIGN FOR A GLOVE
Sylvan M. Straus, Gloversville, N. Y.
Application September 23, 1938, Serial No. 80,049
Term of patent 3½ years



The ornamental design for a glove, substantially as shown and described.

112,008
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Seymour Troy, New York, N. Y.
Application June 4, 1938, Serial No. 77,565
Term of patent 3½ years



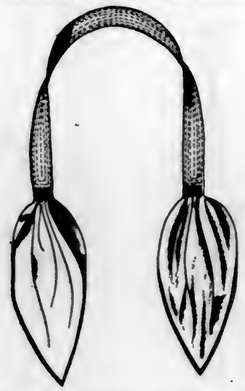
The ornamental design for a shoe or similar article, substantially as shown.

112,009
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Margurite Ullman, New York, N. Y.
Application August 6, 1938, Serial No. 79,149
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown and described.

112,010
DESIGN FOR A TIE
Cullen J. Watt, Carpinteria, Calif.
Application April 8, 1938, Serial No. 76,389
Term of patent 14 years



The ornamental design for a tie, as shown.

112,011
DESIGN FOR A PUMP
Sol J. Waxelbaum, Atlanta, Ga.
Application March 26, 1938, Serial No. 76,112
Term of patent 3½ years





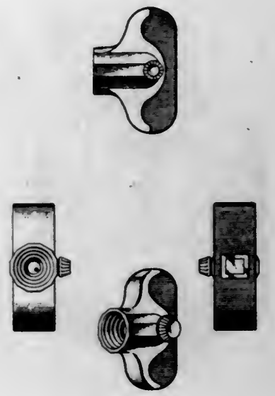
The ornamental design for a pump, as shown.

112,012
DESIGN FOR A FAUCET CONNECTION
Samuel L. Weiss, Brooklyn, N. Y.
Application May 25, 1938, Serial No. 77,375
Term of patent 14 years



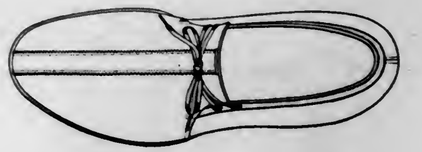
The ornamental design for a faucet connection as shown and described.

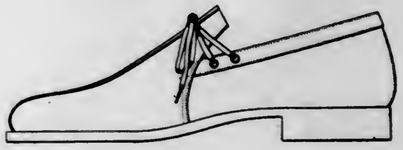
112,013
DESIGN FOR A FILM VIEWER
John Franklin Whitman, Jr., Brooklyn, N. Y.
Application August 24, 1938, Serial No. 79,537
Term of patent 7 years



The ornamental design for a film veiwer, as shown.

112,014
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Paul J. C. Wolfer, Wellesley, Mass.
Application September 3, 1938, Serial No. 79,746
Term of patent 7 years





The ornamental design for a shoe or similar article, substantially as shown.

112,015
DESIGN FOR A MINIATURE RELIGIOUS SHRINE
James L. Zacharias, Chicago, Ill.
Application July 16, 1938, Serial No. 78,548
Term of patent 14 years



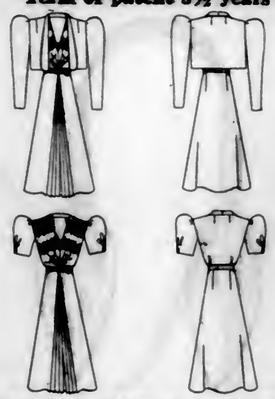
The ornamental design for a miniature religious shrine, as shown and described.

112,016
DESIGN FOR A DRESS
Jacob Abbate, New York, N. Y.
Application September 21, 1938, Serial No. 80,015
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

112,017
DESIGN FOR A DRESS ENSEMBLE
Jacob Abbate, New York, N. Y.
Application September 10, 1938, Serial No. 79,818
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown and described.

112,018
DESIGN FOR A DRESS
Josephine Chambart, New York, N. Y.
Application September 9, 1938, Serial No. 79,807
Term of patent 3½ years



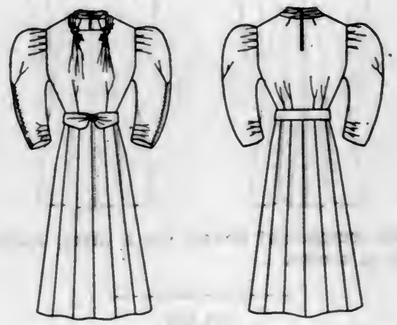
The ornamental design for a dress, substantially as shown and described.

112,019
DESIGN FOR A DRESS
Mark Cohn, New York, N. Y.
Application September 13, 1938, Serial No. 79,858
Term of patent 3½ years



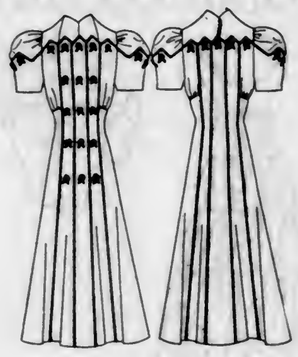
The ornamental design for a dress, substantially as shown and described.

112,020
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application August 11, 1938, Serial No. 79,267
Term of patent 3½ years



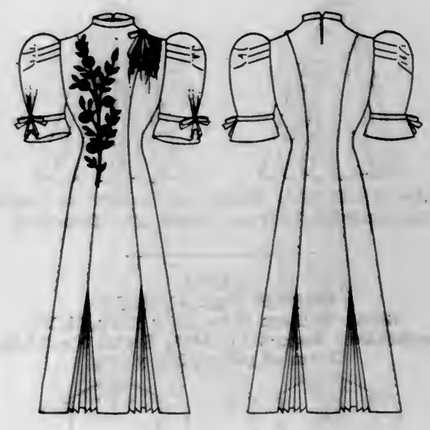
The ornamental design for a dress, substantially as shown and described.

112,021
DESIGN FOR A DRESS
Samuel C. Klein, St. Louis, Mo.
Application September 15, 1938, Serial No. 79,900
Term of patent 3½ years



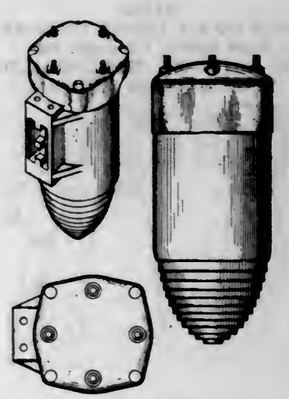
The ornamental design for a dress, substantially as shown.

112,022
DESIGN FOR A DRESS
Samuel C. Klein, St. Louis, Mo.
Application September 22, 1938, Serial No. 80,031
Term of patent 3½ years



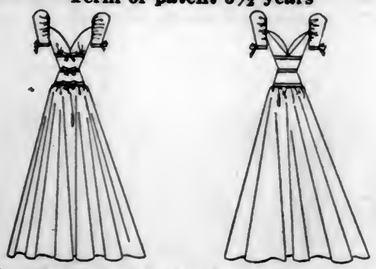
The ornamental design for a dress, substantially as shown and described.

112,023
DESIGN FOR AN IGNITION COIL HOUSING
Gunnar R. C. Martinsson, Riverside, Ill., assignor to Elsbert Manufacturing Company, Inc., Chicago, Ill., a corporation of Illinois
Application March 21, 1938, Serial No. 75,985
Term of patent 14 years



The ornamental design for an ignition coil housing, as shown.

112,024
DESIGN FOR A DRESS OR SIMILAR ARTICLE
Abraham H. Morris, New York, N. Y.
Application July 14, 1938, Serial No. 78,470
Term of patent 3½ years



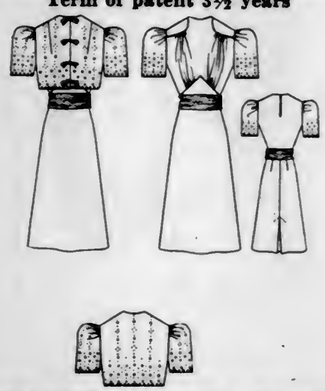
The ornamental design for a dress or similar article, substantially as shown and described.

112,025
DESIGN FOR A DRESS
David William Price, New York, N. Y.
Application August 11, 1938, Serial No. 79,269
Term of patent 3½ years



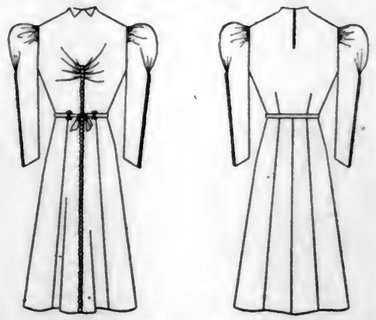
The ornamental design for a dress, substantially as shown and described.

112,026
DESIGN FOR A DRESS ENSEMBLE
Max Reich, Chicago, Ill.
Application August 24, 1938, Serial No. 79,531
Term of patent 3½ years



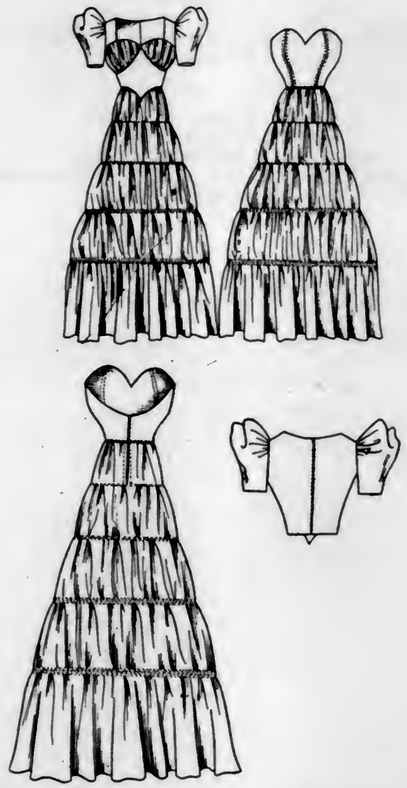
The ornamental design for a dress ensemble substantially as shown and described.

112,027
DESIGN FOR A DRESS
Harry Goldman, New York, N. Y.
Application October 11, 1938, Serial No. 80,369
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

112,028
DESIGN FOR A DRESS ENSEMBLE
Marie Mascitelli, New York, N. Y.
Application October 8, 1938, Serial No. 80,320
Term of patent 3½ years



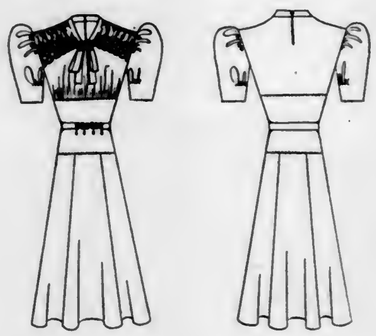
The ornamental design for a dress ensemble substantially as shown.

112,029
DESIGN FOR A DRESS
Marie Lawrence, New York, N. Y.
Application October 12, 1938, Serial No. 80,398
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

112,030
DESIGN FOR A DRESS
Marie Lawrence, New York, N. Y.
Application October 12, 1938, Serial No. 80,399
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

112,031
DESIGN FOR A DRESS
Celia Mitchell, New York, N. Y.
Application October 5, 1938, Serial No. 80,254
Term of patent 3½ years



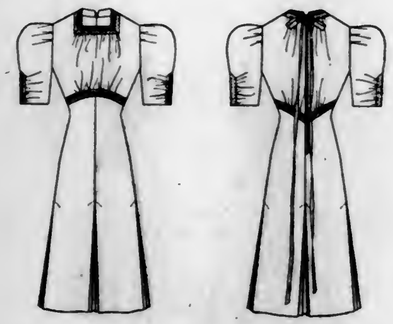
The ornamental design for a dress, substantially as shown and described.

112,032
DESIGN FOR A DRESS
Mildred Roher, New York, N. Y.
Application August 29, 1938, Serial No. 79,609
Term of patent 3½ years



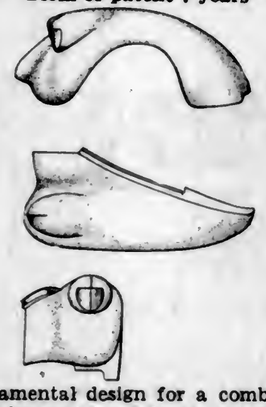
The ornamental design for a dress, substantially as shown and described.

112,033
DESIGN FOR A DRESS
Isadore Roth, St. Louis, Mo.
Application October 11, 1938, Serial No. 86,372
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

112,034
DESIGN FOR A COMBINED AUTOMOBILE FENDER AND HEAD LAMP
Harold E. Merillat, Ottawa Hills, Ohio, assignor to Willys-Overland Motors, Inc., Toledo, Ohio, a corporation of Delaware
Application September 8, 1938, Serial No. 79,791
Term of patent 7 years



The ornamental design for a combined automobile fender and head lamp, substantially as shown.

THE
OFFICIAL GAZETTE
OF THE
United States Patent Office

Vol. 496—No. 2 TUESDAY, NOVEMBER 8, 1938 Price—$16 per year

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November 8, 1938

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Labels	30—No.	52,035 to No.	52,064, inclusive.
Prints	9—No.	17,106 to No.	17,114, inclusive.
Reissues	5—No.	20,909 to No.	20,913, inclusive.
Plant Patents	2—No.	303 to No.	304, inclusive.
Patents	880—No.	2,135,478 to No.	2,136,357, inclusive.
Designs	110—No.	112,035 to No.	112,144, inclusive.
Total	1,240		

Adjudicated Patents

(C. C. A. Pa.) Shimadzu patent, No. 1,584,149, for method of manufacturing metal powder, claims 1 and 2 *Held* valid and infringed. *Electric Storage Battery Co. v. Shimadzu*, 98 F.(2d) 831.

(C. C. A. Pa.) Shimadzu patent, No. 1,584,150, for process of manufacturing powder of lead suboxide interningled with powder of metallic lead, claims 1 to 4, 6, and 8 to 13 *Held* valid and infringed, and claims 14 to 17 *Held* valid but not infringed. *Id.*

(C. C. A. Pa.) Shimadzu patent, No. 1,584,151, for process of manufacturing lead oxide, claims 1 to 5 *Held* valid but not infringed. *Id.*

(C. C. A. Pa.) Shimadzu patent, No. 1,584,152, for paint, claims 1 and 2 *Held* valid but not infringed. *Id.*

(C. C. A. Pa.) Shimadzu patent, No. 1,584,479, for process of making plates for storage batteries using lead suboxide, claims 1 to 4 *Held* valid but not infringed. *Id.*

(C. C. A. Pa.) Shimadzu patent, No. 1,896,020, for apparatus for the continuous production of lead oxides in the dry state, claims 1 and 11 *Held* valid and infringed. *Id.*

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,911,135, F. E. Aseltine, Charge forming device, decided May 12, 1938, claims 14, 26, 28, 29, and 30.

Pat. 2,063,552, L. J. Mensch, Expansion and contraction joint for concrete structures, decided September 26, 1938, claims 1, 2, 3, 4, 5, and 11.

Disclaimers

1,708,168.—*William J. Andres*, South Bend, Ind. BRAKE-OPERATING CONNECTION. Patent dated April 9, 1929. Disclaimer filed October 17, 1938, by the assignee, *Bendix Brake Company.*

Hereby enters this disclaimer of claims 1 and 2 of said patent.

1,727,994.—*Ludger E. La Brie*, South Bend, Ind. BRAKE EQUALIZER. Patent dated September 10, 1929. Disclaimer filed October 17, 1938, by the assignee, *Bendix Brake Company.*

Hereby enters this disclaimer of claims 1, 2, and 7 of said patent.

2,045,570.—*Lee de Forest*, Los Angeles, Calif. APPARATUS FOR RECEIVING AND PROJECTING TELEVISED IMAGES IN SYNCHRONISM WITH SOUND. Patent dated June 30, 1936. Disclaimer filed October 14, 1938, by the assignee, *American Television Laboratories, Inc.*

Hereby enters this disclaimer to claims 8 and 12 of said patent.

Transfer of Class

U. S. PATENT OFFICE, *Washington, Oct. 25, 1938.*
(ORDER No. 3447)

The following transfer, to take effect Wednesday, October 26, 1938, is hereby ordered:

Class 232, Deposit and Collection Receptacles, from Division 20 to Division 41.

CONWAY P. COE,
Commissioner.

Condition of Applications Under Examination at Close of Business October 22, 1938

(Total number of applications awaiting action, excluding Trade-Mark Division, 48,194; Trade-Mark Division, 1,387. Oldest new case, Feb. 17, 1938; oldest amended, Feb. 4, 1938.)
(The dates given are 1938 except where † indicates 1937)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. (Act.), Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Apr. 19	Apr. 28	862
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	May 16	May 23	976
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Aug. 12	Aug. 6	429
7083	4. DONNELLY, A. E. Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	May 27	June 1	565
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	July 22	July 22	570
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Apr. 20	Apr. 13	1,241
5725	7. JARBOE, C. G., Optics; Photography	July 14	July 14	961
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	June 13	June 11	926
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	July 26	July 23	533
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies, and Tops; Vehicle Fenders; Spring Devices.	June 10	June 10	647
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	July 2	June 30	541
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms; Velocipedes.	Feb. 14	Feb. 4	857
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging, and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	June 9	June 9	586
5097	14. SMITH, G. A., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Aug. 3	Aug. 3	478
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	June 9	June 9	1,157
5716	16. SPENCER, C. J., Telegraphy; Telephony	May 5	Apr. 27	925
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	May 31	June 7	738
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	May 12	May 13	609
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	June 4	June 4	747
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	July 2	July 1	469
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	July 21	July 26	467
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	July 7	July 7	632
7624	23. BUTTNER, W. J., Registers (part)	Feb. 17	Feb. 11	324
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	July 23	July 25	601
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	June 21	June 20	609
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	June 22	June 22	575
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	Apr. 18	Apr. 20	1,192
4628	28. SOLYOM, H. L., Internal-Combustion Engines	May 19	May 17	553
5082	29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables.	May 4	May 9	809
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Apr. 25	Apr. 23	904
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	July 22	July 25	608
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	July 5	July 15	612
6006	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	May 31	June 17	890
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	July 8	June 21	356
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	June 10	June 9	771
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Apr. 22	May 18	661
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Apr. 22	Apr. 20	966
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Plastic Compositions.	Mar. 23	Mar. 22	761
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution; Railway Draft Appliances.	May 28	June 2	636
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	May 19	May 18	1,448
7612	41. WHITNEY, M. L., Typewriting Machines; Coin Handling; Recorders; Registers (part)	June 27	July 8	294
5882	42. CUTTING, H. O., Electric Signaling	Mar. 19	Feb. 28	869
4886B	43. KLINGE, E. F., Medicines, Poisons, and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	June 17	June 17	547
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages	May 25	May 25	732
7063	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	May 14	June 1	819
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	May 21	June 10	677
6082	47. LOWE, E. R. (Act.), Clutches; Brakes	June 11	June 13	624
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	June 28	June 28	539
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Mar. 17	Mar. 24	1,075
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	May 14	May 14	1,126
5628	51. BACKUS, C. D., Radiant Energy	July 12	July 12	830
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	July 22	July 22	813
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Fasting and Paper Hanging.	July 2	July 9	655
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes	July 29	July 22	471
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Apr. 25	Apr. 28	1,319
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	May 22	May 24	1,074
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	June 17	June 10	524
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	June 22	July 19	389
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part); Substance Preparation.	June 27	July 5	732
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	June 7	June 7	521
6724	61. PARKS, G. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	May 9	May 3	638
5621	62. PUGH, E. C., Games; Geometrical Instruments	July 14	July 16	595
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation	June 18	June 20	523
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	May 31	May 31	1,114
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Apr. 28	Apr. 22	708
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND — Trade-Marks	Sept. 22	Oct. 5	1,255
	Labels and Prints	Oct. 1	Oct. 7	132
2605	Designs: H. H. KALUPY	Sept. 12	Sept. 14	744

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE O'NEILL

No. 3,945. Decided April 4, 1938

[95 F.(2d) 333]

PATENTABILITY—ELECTRON DISCHARGE DEVICE.

Certain claims for an electron discharge device *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. John J. Rogan (*Mr. Paul Kolisch* of counsel) for O'Neill.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

BLAND, *J.:*

Having allowed several claims, the Primary Examiner of the United States Patent Office rejected claims 6, 7, 8, 10, 15, 16, 21, 23, 24, 26, and 27 in appellant's application for a patent relating to an electron discharge device, which rejection was affirmed by the Board of Appeals. From the decision of the Board, appellant has here appealed.

Claim 6 is illustrative of all the appealed claims and follows:

6. In combination, a single length of straight wire carrying a continuous coating of insulating material, said wire being doubled upon itself intermediate its free ends, the doubled length being bent back upon itself to form a substantially non-inductive compact bundle of closely adjacent strands, a single bore metal sleeve within which the bundle is mounted, and a coating of electron-emissive material on said sleeve, all the bends of said bundle being insulated from said sleeve by said insulation.

The alleged invention relates to an electron discharge device such as is used in radio tubes, and consists of an indirectly heated cathode for use therein. The cathode comprises a metal tube having an exterior coating of electron-emissive material and enclosed within the tube is an insulated heater wire which is in the shape of a long hair-pin which has been doubled back on itself so as to form what is known as an M type heater with the free ends somewhat longer than the intermediate portions. The wire is insulated and the protruding ends are also so insulated at the bends as to protect them from contact with the sleeve, the insulation being with a material which will not split open at the bends.

The references relied upon are: Robinson (British) 278,787, October 7, 1927; French Patent No. 718,982, November 13, 1931.

The French patent (corresponding to United States Patent No. 2,041,286 of Erber et al.) which seems to have been issued to Gustave Ganz & Company, shows an indirectly heated cathode for an electric discharge device having a metal tube which has an external coating of electron-emissive material, which tube encloses an electrical heater wire which is laid in four folds travelling back and forth within the cathode tube. Each fold is enclosed in a separate insulating tube which prevents metallic contact between the folds or sections of the heater wire. The inventor states that instead of using insulating tubes, the heater wire itself may be coated with insulation.

The British patent to Robinson is for thermionic cathodes. It discloses a heater formed from a straight wire bent back upon itself to make it substantially V shaped and the patent states that the wire may be coated with insulation. It is also stated that:

• • • The heating member may of course take any desired form and may be in the form of a straight filamentary conductor, or it may consist of a helically wound filament in which case the two ends of the helix may be welded to lead-in wires which preferably fit into the inside of the helix.

The Examiner rejected all the appealed claims as being unpatentable over the French Patent 718,982, particularly in view of the British Patent 278,787. The Examiner stated that:

• • • Although the French patent discloses a "helical" heater for greater filament length concentration in a given heater space, it is deemed an obvious matter, if such great heater wire concentration were not desired to make the heater of "straight" sections instead. Furthermore, the British Patent 278,787 clearly discloses the use of a "straight" heater which is coated with insulation and bent back sharply in the form of a hair-pin to reduce its external magnetic field, thus reducing hum. In view of this disclosure it is not deemed to involve invention in making the heater sections in the French patent "straight" instead of "helical."

Before the Board, attention was called to the fact that in Robinson the insulation was removed at the bends because it is stated that the insulation cracked at that point. Appellant argued there, as he argues here, that none of the art cited discloses a flexible coating of insulation suitable for bending without cracking. This is the main feature which appellant has stressed here. It will be noted that the allowed claims cover the particular material used for the coating.

We are in agreement with the Patent Office tribunals that the claims on appeal call for nothing inventive over the cited prior art. Appellant argues at length that he has solved the difficult problem, which others had unsuccessfully tried to solve, of getting into a metal sleeve, of the smallest possible diameter, the greatest length of resistance wire so that the tube can be operated on a much higher voltage than that previously employed, without interfering with the proper operation of the tube, and without materially enhancing its cost, and that he has produced a commercially satisfactory cathode. There is nothing in the claims on appeal which limits the size of the wire and the success claimed to be obtained might have been brought about solely by the particular kind of material used in the coating.

The fact that the appellant's structure is in some respects new and that it works satisfactorily or that it is an improvement over all old structures does not necessarily imply that it is the result of invention. While the cathode art is comparatively a new one and involves highly scientific considerations, it is thought that what appellant has done, as expressed in the appealed claims, could be ac-

complished by those skilled in the art without the exercise of the inventive faculty.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE BARGE

No. 3,930. Decided April 25, 1938

[96 F.(2d) 314]

PATENTABILITY—SHOE SOLE ATTACHING APPARATUS.

Certain claims for a shoe sole attaching apparatus *Held* unpatentable on the ground of double patenting, and certain other claims relating thereto *Held* unpatentable in view of what applicant has already received in the way of a patent and in view of the anticipation of additional features by the prior art.

APPEAL from the Patent Office. Affirmed.

Messrs. Morrison, Kennedy & Campbell (*Mr. Luther E. Morrison* and *Mr. James E. Curtiss* of counsel) for Barge.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

BLAND, *J.*:

All of appellant's claims for a patent were rejected by the Primary Examiner of the United States Patent Office, which rejection was affirmed by the Board of Appeals for substantially the same reasons as those assigned by the Examiner. From the decision of the Board, appeal has been taken here. The appealed claims are numbered 13, 14, 15, 16, 19 and 20.

Claim 13 reads as follows:

13. A shoe sole attaching apparatus including, in combination, a base containing a liquid reservoir and having a flexible bed resting on the liquid in the reservoir, means for applying pressure to a shoe positioned on the flexible bed, and a heating element associated with the base and adapted to heat the liquid in the reservoir, said bed being free to conform itself to the shape of the sole of the shoe by the displacement of the liquid when pressure is applied to the shoe, and said liquid serving the two-fold purpose of exerting a uniform pressure at all points on the shoe sole and of transmitting the heat uniformly to the shoe sole throughout its extent.

Appellant makes the following concession:

The remaining claims are subsidiary to claim 13, each adding one or more elements directly related to and which contribute to and further the invention as set forth in claim 13. We are willing to concede that these claims stand or fall with claim 13 and undoubtedly the Solicitor for the Patent Office will welcome the concession.

The references cited are: Jenkins, 21,424, September 7, 1858; Shaler, 955,479, April 19, 1910; Hulbert, 1,047,060, December 10, 1912; Watts, 1,694,570, December 11, 1928; Lovekin, 1,773,401, August 19, 1930; Walther, 1,828,265, October 20, 1931; Barge, 1,901,546, March 14, 1933.

The application was filed March 13, 1933, and relates to shoe bottom attaching apparatus which consists of a base containing a liquid reservoir having a flexible bed, which bed rests on the liquid in the reservoir. There is also shown a clamping means for holding a shoe on said bed, which means comprises a pressure-distributing member with means for exerting a yielding pressure on the shoe. The application shows a rubber bag for retaining the liquid and an electric heating unit associated with the base and immersed in the liquid. Two modifications are shown, one in which the heating element is not immersed in the liquid but is mounted in a chamber at the bottom of the base so that the liquid is heated by conduction through the base. Another modification shows the chamber extending into the liquid. In the drawings a conventional make and break type of thermostat is connected with the electric heating element to control the temperature of the liquid. There is also shown a safety feature consisting of a plug through which water is introduced into the base. The specification recites that the plug is of low-fusible metal so that it "will give way" in event of excessive steam pressure.

The Examiner rejected the appealed claims upon two grounds. The first ground is that the appealed claims call for nothing inventive over the prior art cited. The second ground of rejection is that of double patenting. It was the view of the Examiner that appellant's Patent No. 1,901,546 shows all that the appealed claims call for except the heating element, thermostat and fusible plug which certain of the dependent claims cover. It was pointed out that the prior art references showed these features which were not disclosed in appellant's original patent.

In view of the fact that a portion of the prior art is associated with both grounds of rejection it will be necessary for us to set out claim 1 of appellant's patent and to discuss briefly the disclosures in three of the references—Hulbert, Watts, and Lovekin. In view of our conclusion it will not be necessary for us to discuss the references, Jenkins, Shaler, and Walther.

Claim 1 of the said patent reads as follows:

1. A shoe bottom attaching apparatus, including, in combination, a base member, a flexible cushion carried by said base member, spring means for exerting pressure on a shoe positioned on the cushion, means including a hand operable lever to tension the spring pressure means, and means acted upon by said pressure means for distributing the pressure over the length of the shoe, the pressure on the entire shoe being exerted solely by the tensioned spring pressure means.

Hulbert has an electrically generated steam vulcanizer which has a water chamber provided with an electric heating element.

The Watts patent for a percolator shows a compartment for housing an electrical heating unit.

The Lovekin patent shows a low fusible plug in a water system.

Appellant complains that the tribunals in rejecting his claims have treated his original patent as prior art, although the applications were copending, and urges that the invention of the instant claims was disclosed but not claimed in the patent; that he is, therefore, entitled to the filing date of the application which resulted in a patent for his reduction to practice; and that the invention here claimed is separate and distinct from that of the patent.

In affirming the decision of the Examiner, the Board said:

In respect to the question of double patenting, it is found upon inspection of the record of the patent file that no requirement of division or holding of aggregation of any kind was made. Further, on inspection of the claims of the patent it is found that claim 1, for example, includes the combination of the base member and flexible cushion, which in view of the showing, we believe necessarily includes the liquid under it, together with some details of the spring pressed toggle device for exerting pressure on the shoe.

On inspection of the claims here on appeal, it is found that this is substantially the subject matter of claims 13, 14, 15, and 19.

On careful consideration, it is our opinion that it is clear that there is no proper line of division between claim 1 of the patent and the claims of this group presented here. We must accordingly hold that the Examiner's rejection on double patenting is properly applied to these claims.

Claim 20 adds to the combination of claim 13 the thermostat and the fusible safety plug. The patent does not disclose a thermostat and none of the claims of the patent includes the fusible safety plug. It appears, however, that these features do not serve to create a patentable line of division over the claims of the patent. If such features constitute patentability in this relation the fusible safety plug at least should have been included as an element among the claims of the patent. However, neither the thermostat nor fusible safety plug constitutes any invention in this relation since thermostats are commonly used in connection with electric heating devices as shown by the patent to Hulbert in very similar relation and the principle of fusible safety plugs has long been known, an example being Lovekin of record. These two features add only their well known and expected functions in this particular relation. Clearly no invention is involved over the claims of the Barge patent in the addition of these features and further if claims including the fusible safety plug are allowable they should have been included in the patent.

Claim 16 includes the exterior compartment on the liquid reservoir for containing the heater element. This feature like the thermostat is not shown in the patent and could not have been claimed there but since exterior receptacles in equivalent relation are known as in the patent to Watts, we think invention is not involved in broadly associating this feature with the claims of the patent where no new or unobvious result is accomplished.

It is claimed by appellant in his brief that the application at bar is a division of the matter disclosed but not claimed in the patent. However, appellant in his specification states that the instant application is "a continuation in part" of his "copending application" which eventuated into his patent, supra. The Board stated that no division had been required and that the claims of the patent (special reference is made to claim 1 thereof) covered substantially the same subject matter as claims 13, 14, 15, and 19 of the application here on appeal and that as to these claims the decision of the Examiner on double patenting was affirmed. Claim 20, in addition to the elements recited in claim 13, covers the thermostat and fusible safety plug features. The patent does not disclose or claim a thermostat and none of the claims of the patent includes a fusible safety plug. While the patent shows a plug for filling and emptying the flexible bag, it is not shown to be a safety device. In view of the thermostat showing of Hulbert and the safety plug showing of Lovekin, it was the view of the Board that it did not require invention to add to the structure defined by claim 13 these additional features.

Claim 16 includes the external compartment on the liquid reservoir for containing the heater element. This feature is not disclosed in the patent and therefore was not claimed in the patent. The Board concluded that since the patent to Watts shows external receptacles in equivalent relation to that of the application, no invention could rest in this additional feature.

It is difficult to understand how it can be contended logically that appellant can be said to have divided out from his original application a subject matter which he had not therein disclosed. Under the facts above stated, it would seem to follow that appellant's position with reference to the Patent Office tribunals' rejection of the instant case cannot be considered upon the basis of a divisional application.

It is well settled that, in instances like that at bar, where an applicant obtains a patent for one invention related to the same general subject matter as is disclosed in a later filed application, like that under consideration here, he is not entitled to two patents if his disclosure in the latter application is not inventive over that for which he has already received a patent. The fact that he files his second application before the issuance of his first patent does not change the situation as long as the second application is not in the nature of a divisional one. Appellant filed his second application one day before the issuance of his patent and Patent Office Rule 164 provides that the applicant or his attorney shall receive notice of the allowance of his patent before the same is prepared for issue, and has six months from the date of such notice to pay the final fee. If the law were otherwise than as is stated, supra, an applicant could secure the allowance of a patent and then later extend the period of his monopoly by adding uninventive features to the claims and secure a second patent therefor with a later date of issue. It is, therefore, settled law that in cases like the one at bar it is proper to hold the claims of a later filed application unpatentable in view of the prior art and of the claims of the applicant's issued patent. *In re Isherwood*, 46 App. D. C. 507, 245 O. G. 847; *In re Swan*, 18 C. C. P. A. (Patents) 935, 46 F.(2d) 572, 407 O. G. 295; *In re Slepian*, 18 C. C. P. A. (Patents) 1393, 49 F.(2d) 835, 412 O. G. 282.

Appellant, by leave of the court, has filed a supplemental brief which he states is in answer to the question raised by the court as to whether or not his proper procedure to secure protection for the invention which he claims to have made should have been by reissue of his patent. He states that the patent could not be reissued because the invention claimed in the instant application is not the same invention as that claimed in the patent. He also states that the alleged invention at bar was disclosed in his patent but not claimed therein. Appellant asserts that for the alleged invention involved he is entitled to the original filing date of his application which ripened into a patent.

In the supplemental brief, appellant further states:

The invention of the patent and the application are separate and distinct inventions, entirely unrelated except to the extent that both can be embodied in the same apparatus. * * *

As to the claims covering the elements which appellant states are disclosed in the instant application but not in the original application, and which are relied upon as imparting patentability in the combination covered thereby, it is difficult to understand upon what theory appellant would have been entitled to take the filing date of his original

application as the date of his reduction to practice. While the date of his reduction to practice is not important, the argument leads to the conclusion that appellant believes it was not necessary for him to disclose these features in his original application in order for him to be entitled to them in what he regards as a divisional application. Surely, if these features are so immaterial or if their addition to his patent disclosure is so clearly within mechanical skill as not to be required to be disclosed in the original application, they cannot be relied upon now to impart patentability over the elements which were there disclosed and claimed. How can it be argued that in the instant application he disclosed something he did not disclose in the original application which lends patentability to some of the involved claims and at the same time be argued that the subject matter of such involved claims is the proper subject matter for a divisional application?

It will be seen from the above-quoted language of the Board that it approved the Examiner's rejection of claims 13, 14, 15, and 19 on the ground of double patenting based upon what applicant had already received in the claims of his patent, and that it approved the Examiner's rejection of claims 16 and 20 for the reasons stated in the above-quoted discussion of these claims.

We cannot do better than to adopt the quoted language of the Board as to claims 16 and 20. It is obvious that these features were not disclosed and therefore could not be claimed in the application of the patent and hence could not have been divided out of the same. As to the latter two claims it seems clear that if there is any invention it would be a separate invention over and above what he had already disclosed and claimed. Since, as before stated, it was proper to reject the claims of a later-filed application upon the ground that, in view of what applicant has already received in the way of a patent and in view of the anticipation of the prior art for additional features, no invention resulted, we think the conclusion reached by the Board is proper.

This conclusion makes it unnecessary to further discuss the references on the ground of rejection solely upon the prior art.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

NELSON *v.* LENNING

No. 3,944. Decided May 2, 1938

[96 F.(2d) 508]

1. INTERFERENCE—PRIORITY.

Record reviewed and *Held* that the junior party L, who was admitted to be the first inventor in fact, was not barred under the doctrine of concealment and suppression and that priority was properly awarded to him.

APPEAL from the Patent Office. Affirmed.

Mr. George A. Brace (*Mr. Harry S. Demarce* and *Mr. Elmer Stewart* of counsel) for Nelson.

Mr. William T. Hedlund for Lenning.

BLAND, *J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office reversing that of the Examiner of Interferences, which had awarded priority of the subject matter of the counts involved, numbered 1 to 7, inclusive, and 9 to 14, inclusive, to the senior party Nelson, and awarding to the junior party Lenning the invention of the counts involved.

Since no differentiation in the character of the counts here on appeal was made by the Patent Office tribunals and since there is no contention by either of the parties that there is any difference between the elements of the different counts which would affect the decision here, it is thought proper to quote but a single count, count 2, which is illustrative of the subject matter of all the counts. It follows:

2. In an absorption refrigerating system employing two refrigerants, an absorber, means for conducting a gaseous mixture of the refrigerants into said absorber, means for conducting a solvent for one of said refrigerants into said absorber and means for maintaining the upper portion of said absorber at a higher temperature than the lower portion thereof.

The invention involved relates to a refrigerating device in which two refrigerants are employed, the device comprising a generator, condensers, an evaporator and an absorber. The primary refrigerant is ammonia, and the auxiliary refrigerant is propane. Propane is used in the place of inert gas which is used in other types of absorption systems. The principle involved is that by heat the ammonia vapor is driven off from the solution in the generator and is condensed in a water-cooled condenser, vaporized in the evaporator to give the refrigerating effect, and the vapors are reabsorbed in the absorber. The system requires that the absorbed vapor be condensed and this is accomplished by a cooling jacket on the absorber. It was discovered that the propane accumulated on top in the absorber and would not evaporate unless there was an application of heat to the top of the absorber. It is with reference to the application of heat at the top of the absorber for the purpose stated that we are here concerned.

Lenning, appellee, was employed by the Electrolux Servel Corporation, assignee of von Platen and Munters, for the purpose of proving operativeness of a refrigerating system similar to that at bar (except in matters which will hereinafter appear) in another interference proceeding between one Altenkirch (Hoover Company assignee) and said von Platen and Munters. The senior party Nelson was employed by the assignee of Altenkirch for the purpose of proving that the von Platen-Munters device was inoperative. In preparing and offering this proof, Lenning built a number of apparatuses including "Propane Apparatus G" which was used as an exhibit in that interference and in this one, and which was relied upon by Lenning to show a reduction to practice in the instant case in the Patent Office. Nelson also proceeded to build several apparatuses. Both parties proceeded independently of one another and intended to build their devices in accordance with the von Platen-Munters application.

The counts at bar are copied from the Nelson patent which issued on September 8, 1931, on an application filed May 24, 1930. The junior party's application was filed on November 1, 1932, about twenty-nine months after Nelson's filing date.

In this court counsel for appellant, Nelson, stated, in substance, that they would not argue reduction to practice and that the sole issue presented was: Conceding Lenning to have been the first inventor and that he had reduced the invention to practice prior to June 12, 1928 (the date found by the Board), it must be held, contrary to the finding of the Board, that Lenning had suppressed or concealed his invention so as to bar him from an award of priority under the doctrine akin to equitable estoppel applied in the case of *Mason* v. *Hepburn*, 13 App. D. C. 86, 84 O. G. 147. Although on account of certain happenings in the prior interference and certain features of the Lenning disclosure there has been much controversy in the Patent Office as to whether or not Lenning had actually solved the problem here involved until he filed the application at bar, there is no such question raised here, and the sole question for us to determine is whether or not Lenning's conduct was such as to make the doctrine of *Mason* v. *Hepburn*, supra, applicable. The absorber in "Propane Apparatus G" is a cylindrical steel tank about four inches in diameter and one foot long. There are cooling pipes at the bottom, and no method for heating at the top is disclosed in the exhibit. It was the contention of Lenning's assignee in the prior interference that the absorber worked to produce refrigeration. The application of artificial heat to the absorber was not stressed in the former interference, but it was contended that the feature of having the top of the absorber at a higher temperature than the lower portion was inherent in the structure. It was necessary to take this position in order to win that interference. The Patent Office tribunals held against Lenning's assignee in that interference and appellee states that "appeals from the Board's decision to the court under R. S. 4915 were voluntarily dismissed."

Nelson, who, as hereinbefore stated, was employed by the Hoover Company to prove inoperativeness of the von Platen-Munters structure, was present at the taking of the testimony of Lenning and other witnesses for Lenning's assignee on the question of operativeness. He saw "Propane Apparatus G" operated to produce refrigeration. The machine was fully and successfully operated in his presence. Nothing in the record discloses that Lenning pointed out that external heat had to be applied to the top of the absorber in order to start the operation which Nelson observed. In connection with that testimony however, an exhibit was introduced which is in the instant record as Lenning Exhibit L–18. The same was introduced as Exhibit AA by the Hoover Company in the prior interference. Exhibit L–18 comprises several log sheets upon one of which is a sketch which definitely shows a gas flame applied to an absorber in an apparatus similar to "Propane Apparatus G." This sketch was made prior to the taking of said testimony and the particular date upon which it was made is therefore unimportant. It is stated by appellee, and not denied by appellant, that the Hoover Company seized upon this showing to demonstrate that a structure built in accordance with the counts of that interference was inoperative and that Lenning had done something amounting to invention when he succeeded in making the device operate. In this interference, the Examiner of Interferences pointed out that:

In the prior interferences the von Platen and Munters application was held inoperative because the operativeness attained by the apparatuses introduced in evidence resulted from the use of additional features or changes which amounted to invention and because at least some of these apparatuses were held to operate by the production of a pool of propane on the surface of the solution in the absorber, which, on supplying the necessary heat to this portion of the absorber, vaporized to permit the necessary transfer of the propane to the evaporator side of the apparatus. • • •

Nelson, after witnessing the Lenning disclosure, claims that he discovered immediately why "Propane Apparatus G" would not function. He stated that after he witnessed this demonstration on the part of Lenning and discovered the final step that would make the machine operable and successful, he became convinced that Lenning could not have produced refrigeration except and unless he had applied external heat, but Nelson denies having received this idea from Lenning. It is upon the belief that Lenning had been required to apply heat at the top of the absorber that it is conceded that Lenning was the first inventor in fact.

The position is, therefore, taken by Nelson that, conceding that Lenning had reduced to practice the invention at bar prior to June 12, 1928, he waited until November 1, 1932, almost four years and five months later, to file his application here involved and then only after he had failed in the other interference and after he had been spurred into activity by seeing the Nelson patent, and that, under such circumstances, he is barred under the doctrine of *Mason* v. *Hepburn*, supra.

Under the foregoing statement of facts, the answer to one question is controlling of our decision herein: Did Lenning suppress and conceal his invention so as to make applicable the *Mason* v. *Hepburn* doctrine?

We have frequently commented on the decision in that case, and this and other courts have on a number of occasions announced that the doctrine when properly applied was a wholesome one. The doctrine is well settled and is in substance that a subsequent inventor of a new and useful manufacture who has diligently pursued his labors to the procurement of a patent in good faith and without any knowledge of the preceding activities of another will be regarded as the first inventor in law even though he was not the first inventor in fact where the first inventor has deliberately concealed

his invention from the public for a long period of time and then claimed it only when he was spurred into activity by the knowledge of the subsequent inventor's claim for patent reward. This whole question was discussed at length in *Severson* v. *Olson*, 20 C. C. P. A. (Patents) 946, 64 F.(2d) 694, 434 O. G. 253; *Miller* v. *Hayman*, 18 C. C. P. A. (Patents) 848, 46 F.(2d) 188, 405 O. G. 549; and numerous other decisions of this court.

We agree with the Board that the facts in this case as to the conduct of Lenning do not call for the application of the doctrine akin to equitable estoppel announced in the foregoing decisions. In the first place, it is doubtful if Nelson is the same character of independent inventor, under the facts heretofore stated, in whose favor the estoppel operated in *Mason* v. *Hepburn*, supra. But whether this be true or not, it is clear that Nelson could hardly be said to be placed in the same character of inequitable disadvantage as was Mason. Moreover, we are certain that upon the facts heretofore stated, it cannot be held logically that Lenning deliberately concealed and suppressed his invention in the sense that the invention was concealed and suppressed in the *Mason* v. *Hepburn* case. There, Mason not only withheld it from the public by concealing and suppressing it, but delayed about seven years, without offering any satisfactory excuse for so doing, and then only sought his reward when he saw it going to another. Hepburn knew nothing of Mason's early activities.

While it seems inconsistent for it to be contended in one interference proceeding that a certain function is inherent in a device, and in another interference proceeding contending that it was not inherent and was affirmatively disclosed and that providing mechanism for bringing about this function amounts to invention, it must be remembered that, regardless of this inconsistency, the party Lenning in the prior interference disclosed rather than concealed a means of heating the top of the absorber. The fact that the importance of this feature of his device was, under the exigencies of that case, minimized, is not of importance in the decision of the instant issue. These facts do not show suppression or concealment. Moreover, "Propane Apparatus G" was successfully operated in the presence of Nelson, and while the particular processes taking place inside the absorber, or how they were started, were not explained by Lenning, it was operated in such a manner that Nelson became convinced of how it was being operated and why it operated. While these facts do not show as full a disclosure to Nelson as might be required by the patent laws under certain other circumstances, not here involved, they certainly cannot be looked upon as showing a deliberate concealment or suppression of the invention.

Under appellant's reasons of appeal, relied upon in this court, we have passed upon the only question involved. It being admitted that Lenning was the first inventor in fact, and it being held that he is not barred under the doctrine of concealment and suppression, it follows that the Board correctly awarded to him priority of invention of the involved counts and its decision is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

JACOB ENGLANDER, DOING BUSINESS AS FEDERAL PRODUCTS CO., *v.* CONTINENTAL DISTILLING CO.

No. 3,949. Decided April 4, 1938

[95 F.(2d) 320]

1. TRADE-MARKS—OPPOSITION—EX PARTE QUESTIONS MAY BE CONSIDERED.
   In opposition proceedings, "the Patent Office tribunals are not limited to the precise issues presented in notices of opposition, but, on the contrary, by virtue of the provisions of section 7 of the Trade-Mark Act, • • • may dispose of any question relating to a proposed registration that might properly be considered in an ex parte proceeding, and • • • if an applicant's mark be identical with a registered mark owned by another, or confusingly similar thereto, and the goods of the applicant are of the same descriptive properties as those of the registrant, the application for registration should be denied, regardless of the issues raised by the notice of opposition."
2. SAME—SAME—TESTIMONY RELATING TO VALIDITY OF PRIOR REGISTRATION IRRELEVANT.
   "The Congress has provided in section 7 • • • for an interference proceeding, under proper circumstances, between applicants for registration, and between an applicant and a registrant, to determine the question of priority of use of their marks. Accordingly, testimony relating to the question of the validity of appellee's registration, which counsel for appellant desired to submit, is wholly irrelevant to the issues in this case."
3. SAME—SAME—SUFFICIENCY OF NOTICE—VERIFICATION.
   "According to the decision of the Examiner of Interferences, the Patent Office has long recognized, in the absence of evidence to the contrary, that a 'corporate officer possesses presumptive authority' to act on behalf of a corporation in opposition proceedings, and we find nothing in the statute to warrant a holding that the Patent Office practice in this respect is contrary to law."
4. SAME—SAME—SIMILARITY OF MARKS—"SILVER BAR" AND "SILVER SHIELD".
   Trade-mark comprising the words "Silver Bar" in association with a pictorial design for use on whiskey, gin, rum, brandy, and alcoholic cordials *Held* confusingly similar to opposer's registered mark "Silver Shield" used on goods of the same descriptive properties.
5. SAME—SAME—PROOF OF ACTUAL CONFUSION NOT NECESSARY.
   "We have frequently held that proof of actual confusion is not necessary in cases of this character."

APPEAL from the Patent Office. Affirmed.

Mr. Louis B. Englander for Jacob Englander.

Mr. Leonard L. Kalish for Continental Distilling Co.

HATFIELD, *J.*:

This is an appeal in a trade-mark opposition proceeding from the decision of the Commissioner of Patents affirming the decision of the Examiner of Interferences sustaining appellee's notice of opposition and holding that appellant was not entitled to the registration of a composite trade-mark comprising the words "Silver Bar" in association with the picture of a man in "apparently medieval times costume holding a shield," for use on whiskey, gin, rum, brandy, and alcoholic cordials.

In its application, appellant stated that it had used its trade-mark on its goods since January 12, 1934.

Although the words "Silver Bar" in appellant's mark are associated with a pictorial design, they are the dominant feature of the mark.

Appellee's mark, consisting of the words "Silver Shield," for use on "whiskey, gin, rum, rye, brandy, and cordials," was registered March 13, 1934, No. 311,048 on an application filed November 22, 1933.

It will be observed that the goods of the parties are substantially the same.

In opposing the registration of appellant's trademark, appellee relied upon the confusion-in-trade clause of section 5 of the Trade-mark Act of February 20, 1905.

Evidence was introduced by appellee for the purpose of establishing that it used its mark prior to the first use by appellant of its mark, and that the marks of the parties were confusingly similar.

The time for the taking of testimony in the case having expired, counsel for appellant, on July 24, 1936, filed an application (naming therein the witnesses he desired to interrogate) for permission to take testimony for the purpose of establishing appellant's good faith in the adoption and use of its mark; that appellee had not, in fact, used its trademark on its goods on November 17, 1933, the date of alleged first use in appellee's application for the registration of its mark; and that appellee "fraudulently procured the certificate of registration for 'Silver Shield.'"

In explanation of the delay in taking the testimony of the witnesses named in the application, counsel for appellant stated that it had been his desire to "first examine the president of the" appellee company, whose residence address he had theretofore been unable to ascertain. Those facts, it was stated, were set forth in previous motions. (No such motions appear of record.)

On July 29, 1936, the Examiner of Interferences, in denying the application, among other things, said:

> The record discloses that on March 30, 1936, the Examiner denied a motion filed March 23, 1936, by the applicant, for an extension of time for taking testimony, by reason of noncompliance of the latter with rule 154 (*d*). In this last mentioned motion the applicant indicated a desire to take testimony of officers of the opposer corporation, but stated that he was then unable to locate them.
>
> In the motion filed July 24, 1936, one of the applicant's proposed witnesses is identified as the president of the opposer corporation, it being indicated therein that the applicant has now ascertained the location of this person. *However, the motion fails to disclose the steps taken by applicant to locate said witness or the dates when efforts to this end were made.*
>
> The motion is accordingly deemed not yet to comply with all the provisions of Patent rule 154 (*d*) and it is therefore denied. [Italics ours.]

It does not appear from appellant's application to take testimony, and the affidavit in support thereof, that, for the reasons stated by the Examiner, he had fully complied with rule 154 (*d*) of the Rules of Practice in the United States Patent Office. Accordingly, appellant's application was properly rejected.

The validity of a registered mark can not be challenged in an opposition proceeding. *Sharp & Dohme* v. *Parke, Davis & Co.*, 17 C. C. P. A. (Patents) 842, 37 F.(2d) 960, 394 O. G. 545; *American Fruit Growers* v. *Michigan Fruit Growers*, 17 C. C. P. A. (Patents) 906, 38 F.(2d) 696, 393 O. G. 789; *California Packing Corp.* v. *Tillman & Bendel, Inc.*, 17 C. C. P. A. (Patents) 1048, 40 F.(2d) 108, 394 O. G. 789; *Standard Oil Co. (New Jersey)* v. *Clarence W. Epley*, 17 C. C. P. A. (Patents) 1224, 40 F.(2d) 997, 398 O. G. 547; *H. G. MacEachen* v. *Tar Products Corporation*, 17 C. C. P. A. (Patents) 1264, 41 F.(2d) 295, 398 O. G. 542; *Revere Sugar Refinery* v. *Joseph G. Salvato*, 18 C. C. P. A. (Patents) 1121, 48 F.(2d) 400, 409 O. G. 562; *George H. Ruth Candy Co. (Inc.)* v. *The Curtiss Candy Co.*, 18 C. C. P. A. (Patents) 1471, 49 F.(2d) 1033, 413 O. G. 9; *E. Daltroff & Cie* v. *V. Vivaudou, Inc.*, 19 C. C. P. A. (Patents) 715, 53 F.(2d) 536, 414 O. G. 7; *Richard Hellman, Inc.*, v. *Oakford & Fahnestock*, 19 C. C. P. A. (Patents) 816, 54 F.(2d) 423, 417 O. G. 848; *Walgreen Co.* v. *Godefroy Manufacturing Co.*, 19 C. C. P. A. (Patents) 1150, 58 F.(2d) 457, 422 O. G. 4; *Breakstone Bros., Inc.*, v. *Gerber & Co., Inc.*, 19 C. C. P. A. (Patents) 1224, 58 F.(2d) 419, 423 O. G. 618; *Aktiengesellschaft für Feinmechanik, vormals Jetter & Scheerer* v. *Kny-Scheerer Corp.*, 21 C. C. P. A. (Patents) 877, 68 F.(2d) 974, 444 O. G. 514; *Ely & Walker Dry Goods Co.* v. *Sears, Roebuck & Co.*, 24 C. C. P. A. (Patents) 1244, 90 F.(2d) 257, 485 O. G. 268.

In those cases, applicants for registrations were attempting to attack the validity of registered marks of opposers. In some instances, it was claimed that the registrations were invalid because of prior registrations of such or similar marks on goods of the same descriptive properties.

In the case of *Walgreen Co.* v. *Godefroy Manufacturing Co.*, supra, the validity of a registered mark was questioned on the ground of descriptiveness. It was held that that issue could not be raised in an opposition proceeding.

In the Ely & Walker Dry Goods Co. case, supra, the applicant for registration alleged that the opposer's registered mark was invalid because the application for registration was not in accordance with the requirements of the Trade-Mark Act, supra; that the opposer was not using the registered mark as a trade-mark; and that, for other reasons, the registration was invalid. We there again held that the validity of a registered mark could not be attacked in an opposition proceeding.

It was pointed out in our decisions in some of those cases that the Congress specially provided, in section 13 of the Trade-Mark Act, supra, for proceedings for the cancellation of a trade-mark registration by one who deemed himself injured by such registration, and that, if an interested party desired to question the validity of a trade-mark registration, he should proceed in accordance with the provisions of that section.

[1] [2] We have also held in several cases, some of which are hereinbefore cited, that, in opposition

proceedings, the Patent Office tribunals are not limited to the precise issues presented in notices of opposition, but, on the contrary, by virtue of the provisions of section 7 of the Trade-Mark Act, supra, may dispose of any question relating to a proposed registration that might properly be considered in an ex parte proceeding, and that, if an applicant's mark be identical with a registered mark owned by another, or confusingly similar thereto, and the goods of the applicant are of the same descriptive properties as those of the registrant, the application for registration should be denied, regardless of the issues raised by the notice of opposition. Furthermore, the Congress has provided in section 7, supra, for an interference proceeding, under proper circumstances, between applicants for registration, and between an applicant and a registrant, to determine the question of priority of use of their marks. Accordingly, testimony relating to the question of the validity of appellee's registration, which counsel for appellant desired to submit, is wholly irrelevant to the issues in this case.

It appears from the decision of the Examiner of Interferences that counsel for appellant contended in his brief on final hearing before the Examiner that appellee's notice of opposition was invalid, because, it was argued, it was not accompanied by evidence of the authority of the vice president of the appellee company to file the notice of opposition. No motion of any kind raising that issue was filed by counsel for appellant, nor was there anything in the answer of appellant to indicate that that question would be raised.

In holding that the notice of opposition was sufficient, the Examiner of Interferences said:

> The applicant contends that no valid notice of opposition has been filed herein by reason of the lack of proof of the authority of the vice president of the opposer corporation to sign this notice of opposition. The Office has long recognized that a corporate officer possesses presumptive authority to act on behalf of the corporation in a proceeding of this character. In the absence of a showing sufficient to rebut such presumption this contention is not sustained. Furthermore, this defense is not raised in any pleading filed by the applicant and it therefore may not properly be now asserted.

The Examiner's holding in that respect was, on appeal, affirmed by the Commissioner of Patents. We assume, therefore, that it has long been the practice of the Patent Office to consider as presumptively valid the verification of a corporation's notice of opposition made by one of its executive officers.

Counsel for appellant insists, however, that the notice of opposition in the instant case is invalid because it was not accompanied by a resolution by the Board of Directors of appellee's company authorizing the vice president to sign, verify, and file it. In support of his contention, counsel cites the case of *Bass, Ratcliff & Gretton, Lim.*, v. *Hartmann Brewing Company*, 1906 C. D. 143, 121 O. G. 2328, wherein it was held by the Commissioner of Patents, on the authority of his decision in the case of *Martin* v. *Martin & Bowne Company*, 1905 C. D. 490, 119 O. G. 962, that a notice of opposition should be signed and verified by an opposer, and not by its attorney.

In the Bass, Ratcliff & Gretton case, supra, the Commissioner called attention to the fact that his decision in the Martin case, supra, had been affirmed by the Court of Appeals of the District of Columbia (27 App. D. C. 59, 122 O. G. 734), and said:

> It is urged that the requirement for the personal oath of the one opposing cannot apply and was not intended to apply to a corporation.
>
> In regard to this matter it may be said that a corporation can act by its executive officers when it is necessary, and in the present case it is thought that the oath should be furnished by such an officer, *with a statement of his authority to act as the agent of the corporation.* [Italics ours.]

The issue before the Commissioner in that case was whether an attorney, acting in that capacity only, was authorized by the statute to sign and verify a notice of opposition for the corporation which he represented, not whether an executive officer of a corporation was authorized to sign and verify such notice. Accordingly, the statement in his decision that a notice of opposition by a corporation should not only be signed and verified by an executive officer, but should be accompanied by "a statement of his authority to act as the agent of the corporation" was obiter dictum.

In the Martin case, supra, the Court of Appeals of the District of Columbia, in affirming the decision of the Commissioner of Patents, expressly reserved opinion as to the right of an agent of a corporation to sign and verify a notice of opposition. We quote from the court's decision in that case:

> In some instances, where the statute required an oath to be made by a party, it has been held that in case of a corporation the oath might be made by its duly authorized agent, who had personal knowledge of the facts. Of this nature is the single authority relied on by the appellant. *Re Chequasset Lumber Co.* 112 Fed. 56, 58. See also *Wheeler & W. Mfg. Co.* v. *Lawson* * * * [15 N. W. 398]. The reason on which these decisions rest is that, while the corporation, as the party to the proceeding, is entitled to the benefit of the statute, it can only act by agent; and, hence, that the power to obtain the conferred benefit through the oath of its agent must be inferred.
>
> *The conclusion seems to be a reasonable one,* but the question is not involved in this case, and we express no opinion in respect of it. [Italics ours.]

We have examined the decisions in the other cases cited by counsel for appellant, and find that they have no bearing on the issue under discussion.

At the time of the oral arguments in this court, counsel for appellant frankly stated that, other than the dictum in the Bass, Ratcliff & Gretton case, supra, he could find no authority in support of his contentions.

Section 6 of the Trade-Mark Act, supra, provides that a notice of opposition "shall be verified by the person filing the same," and that, although an "opposition may be filed by a duly authorized attorney," it "shall be null and void unless verified by the opposer."

[3] The notice of opposition in the instant case was signed and verified by the vice president of the appellee company, and, in the absence of evidence to the contrary, it will be presumed that he was such vice president and had authority to act in the premises. *Sun Printing & Publishing Assn.* v. *Moore*, 183 U. S. 642, 651. Furthermore, according to the decision of the Examiner of Interferences, the Patent Office has long recognized, in the absence of evidence to the contrary, that a "corporate officer possesses presumptive authority" to act on behalf of a corporation in opposition proceedings, and we find nothing in the statute to warrant a holding that the Patent Office practice in this respect is contrary to law.

The authority of the vice president of the appellee company to verify the notice of opposition in the instant case not being challenged by any evidence of record, appellant's assignment of error in this respect is not well founded.

The real issue in the case is whether the tribunals of the Patent Office were right in holding that the marks of the respective parties were confusingly similar.

It is argued by counsel for appellee that the shield in appellant's composite mark is silver in color. (In appellant's application, the shield appears white, although it might have the appearance of silver when the mark is in actual use.)

In his decision, the Commissioner made the following appropriate observation:

> While the design must, of course, be considered as a part of the composite mark, the fact remains, as pointed out by the Examiner of Interferences, "that purchasers would recognize and call for the applicant's goods by the only spoken symbol included in the mark affixed thereto, namely, the notation 'Silver Bar.'" As purchasers of the goods here involved frequently order by the drink, and have no opportunity to see the labels, this becomes a matter of considerable importance in determining the probability of confusion.

It is true, as argued by counsel for appellant, that the word "bar" in appellant's mark differs substantially from the word "shield" in appellee's mark. However, the marks should be considered as a whole, and we are of opinion that, when so considered, the differences between the words "bar" and "shield" are not sufficient to warrant a holding that the marks "Silver Bar" and "Silver Shield" are not confusingly similar when used on alcoholic beverages, such as whiskey, gin, etc.

[4] It is true, as stated by the Commissioner in his decision, that purchasers might not always have the opportunity of seeing either of the trade-marks, and that thus confusion might be accentuated. This is particularly true where the goods of the parties are purchased by the drink rather than by the bottle. However, we do not base our decision entirely upon that proposition. We think the concurrent use of the involved marks on the goods of the respective parties would be likely to cause confusion, whether the goods of the parties are purchased by the drink or otherwise, and that appellant's mark is not entitled to registration.

Counsel for appellant insists, however, that confusion in trade is improbable in view of the failure of appellee to establish the existence of actual confusion.

[5] We have frequently held that proof of actual confusion is not necessary in cases of this character. *E-Z Mills, Inc.* v. *Martin Brothers Company* (Appeal No. 3920, decided March 28, 1938), 25 C. C. P. A. (Patents) —, 95 F.(2d) 269, 494 O. G. 475.

The decision of the Commissioner of Patents is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE KOTHNY

No. 3,886. Decided April 25, 1938

[96 F.(2d) 289]

PATENTABILITY—MEASURING INDICIA.

Certain claims for a measuring indicia or scale *Held* unpatentable on the ground that they do not relate to "any new and useful art, machine, manufacture, or composition of matter," or "any new and useful improvement thereof," as provided in section 4886 of the Revised Statutes, 35 U. S. C. section 31.

APPEAL from the Patent Office. Affirmed.

Mr. George A. Smith for Kothny.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

HATFIELD, *J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting appealed claims 10 and 11 in appellant's application for a patent for an alleged invention relating to a measuring indicia or scale.

Claims defining the measuring indicia or scale in combination with "measuring structure" were allowed by the Primary Examiner.

Claim 11 is illustrative of the appealed claims. It reads:

> 11. A measuring device designed for use in conjunction with an inclination record which comprises a cylindrical record sheet designed to be marked by the surface of a liquid, said device comprising a transparent plane member having thereon a scale which approximates a tangent scale having as a base the diameter of said record sheet but is corrected for surface tension effects, whereby said scale, when used to measure the swing of the sinuous record formed on a developed record sheet by superposition thereon, will indicate directly the inclination to the vertical of the axis of the cylinder formed by the record sheet when the record was made.

The only difference between the appealed claims is that claim 10 calls for a device comprising a "*member* having thereon a scale"; whereas, claim 11 calls for a "*transparent plane member.*" (Italics ours.)

The claims were rejected by the tribunals of the Patent Office on the ground that they do not relate to "any new and useful art, machine, manufacture, or composition of matter," or "any new and useful improvements thereof," as provided in section 4886 of the Revised Statutes, 35 U. S. C. section 31.

In its decision the Board of Appeals stated that the introductory and concluding portions of the claims related to the use of the measuring device or scale, and that the measuring indicia might be used on any material adapted to receive it. The Board further said:

> The record to be measured is produced by contacting a marking fluid with the inner surface of the record sheet when rolled into cylindrical form. This record sheet is suitably encased and lowered into a well, the inclination of which it is desired to measure. The marking fluid is then introduced and subsequently removed. The cylindrical record, when flattened, will bear a sinuous trace, corresponding to the upper surface of the marking fluid.

The sinuosity of this trace will be dependent upon the inclination of the record sheet at the time the same is subjected to the marking liquid. The scale here claimed is intended for use in measuring the dip of the curve which corresponds to the inclination of the fluid with respect to the longitudinal axis of the record and, hence, the well which is being measured.

The Primary Examiner was of opinion that the sole novelty in appellant's scale—

"lies in a mere empirical arrangement of indicia on a 'member' or a 'transparent member', irrespective of the physical characteristics of said 'member' or 'transparent member,'"

and stated that—

"Said indicia may be provided on any sort of flat material having an edge adjacent which said indicia may be disposed or may be provided on transparent material. It is therefore thought that the alleged invention defined by claims 10 and 11 is merely an abstract idea and not a 'new and useful art, machine, manufacture, or composition of matter', as provided in sec. 4886, R. S."

In its decision, the Board relied upon the decision of this court in the case of *In re Lockert*, 20 C. C. P. A. (Patents) 1125, 65 F.(2d) 159, 435 O. G. 219, wherein it was held that a chart in combination with a weighing mechanism did not "constitute 'any new and useful art, machine, manufacture, or composition of matter,'" within the purview of section 4886, supra.

In our decision in that case, we said, inter alia:

We think it is obvious that there is no mechanical relation or cooperation between appellant's chart and the weighing mechanism to which it is attached. Mechanically, the weighing mechanism itself operates precisely as it did before appellant's chart was perfected. The chart performs no mechanical operation or function, either alone or in combination with the weighing mechanism * * *,

and,

"Considered alone, the novel feature of appellant's chart is the mere arrangement of printed matter, and, according to the consistent holdings of this court, does not constitute"

patentable subject matter, within the purview of section 4886, supra.

Counsel for appellant calls attention to the fact that this court has frequently held that the mere arrangement of printed matter on a sheet of paper does not involve patentable subject matter within the purview of the provisions of section 4886, supra, and cites the cases of *In re Robert C. Russell*, 18 C. C. P. A. (Patents) 1184, 48 F.(2d) 668, 410 O. G. 820; *In re Reeves*, 20 C. C. P. A. (Patents) 767, 62 F.(2d) 199, 428 O. G. 769; *In re Sterling*, 21 C. C. P. A. (Patents) 1134, 70 F.(2d) 910, 447 O. G. 999. Counsel then states in his brief:

We fully admit that, in form, applicant's invention as defined in claim 10 is nothing more than printed matter on a sheet of paper and would, on casual consideration, appear to fall squarely within the field of unpatentable subject-matter defined in the above statements. We believe, however, that this court has referred to "mere arrangement of printed matter" in a special sense on which the history of the cases relating to printed matter as a subject for patents will throw considerable light.

In his brief, counsel has carefully analyzed several court decisions, and concludes from the views expressed in those decisions that charts which merely furnish information or afford advice to the user, identifying marks for commercial products, blank forms designed to facilitate the doing of business, etc. are not patentable subject matter within the purview of the statute. Counsel states, however, that—

A combination of certain *printed information and a specific physical structure of a sheet of paper or the like* may be patentable where the structure *by mechanical manipulation* contributes to the *utility* of the *printed information* or where the printed information and the structure cooperate to produce a useful result. [Italics ours.]

It is conceded by counsel for appellant that the "scale", as defined in claim 10,

"does not fall within the favored group of physical structures consisting of component parts which cooperate with certain printed matter."

He argues, however, that the "scale" defined in that claim is an article of manufacture, because its

"sole purpose is mechanical manipulation into proper relationship with a record taken from the surveying instrument to give a characteristic (the inclination) of the instrument in which the record was made, which characteristic is useful in a mechanical art,"

and that it is as distinctly an article of manufacture as thermometers, litmus paper, and neon tubes, because its utility, like that of the enumerated articles,

"lies in physical manipulation and when so manipulated gives information of a scientifically useful nature."

Of course, many articles of manufacture, both scientific and otherwise, perform no function and afford no information unless they are manipulated, but they are not articles of manufacture within the purview of section 4886, supra, by virtue of the fact that their utility depends upon use or manipulation.

Appellant's measuring indicia is novel, and, when the sheet of paper on which it appears is manipulated, is useful. However, manipulation or use of his "scale" does not in any way change the character of its structure. There is nothing novel in appellant's paper, even though it may be transparent, as stated in claim 11, nor is there any cooperation, mechanical or otherwise, in a patentable sense between his paper and his measuring indicia.

The tribunals of the Patent Office recognized the utility of appellant's "scale", just as those tribunals and this court recognized the utility of the chart when used in connection with the weighing mechanism in the case of *In re Lockert*, supra.

In addition to the cases hereinbefore cited, which we think are applicable to the issues involved, the following may be cited: *In re Thomas J. Dixon*, 18 C. C. P. A. (Patents) 711, 44 F.(2d) 881, 402 O. G. 3; *In re Edwin L. Bruce, Jr.*, 19 C. C. P. A. (Patents) 1042, 56 F.(2d) 673, 420 O. G. 291; *In re Edward J. Clark*, 19 C. C. P. A. (Patents) 1166, 58 F.(2d) 455, 422 O. G. 608; *In re Bolongaro*, 20 C. C. P. A. (Patents) 845, 62 F.(2d) 1059, 431 O. G. 3; *In re McKee*, 20 C. C. P. A. (Patents) 1018, 64 F.(2d) 379, 433 O. G. 509; *In re Johns*, 21 C. C. P. A. (Patents) 1099, 70 F.(2d) 913, 447 O. G. 497; *In re Scott*, 22 C. C. P. A. (Patents) 1047, 76 F.(2d) 136, 457 O. G. 700; *In re Graf*, 24 C. C. P. A. (Patents) 848, 87 F.(2d) 218, 480 O. G. 477.

We are of opinion that the tribunals of the Patent Office reached the right conclusion.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

MOELLER *v.* SIX

No. 3,904. Decided April 25, 1938

[96 F.(2d) 279]

INTERFERENCE—PRIORITY.

Record reviewed and *Held* that the senior party S has the right to make the counts and that priority was properly awarded to him since the junior party M had failed to establish conception of the invention prior to S's filing date, October 10, 1932, and even assuming that the evidence was sufficient to establish conception as early as July, 1932, M had failed to prove reduction to practice prior to S's filing date or due diligence immediately prior to that date.

APPEAL from Patent Office. Affirmed.

Mr. Harry A. Beimes for Moeller.

Messrs. Lockwood, Lockwood, Goldsmith and Galt (*Mr. Ralph G. Lockwood, Mr. Dwight B. Galt*, and *Mr. Harry W. Lindsey, Jr.*, of counsel) for Six.

HATFIELD, *J.*:

This is an appeal in an interference proceeding from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner of Interferences awarding priority of invention of the subject matter defined in the counts in issue—1 to 6, inclusive—to Walter J. Six, appellee.

The invention relates to an expansion and tensioning device for pistons, and, as defined in count 1, such device in combination with a piston.

Count 1 was apparently suggested to the parties by the Primary Examiner. The other counts originated in appellant's application.

The interference is between appellant's application No. 708,362, filed January 26, 1934, as a continuation, in part, of a former application No. 698,294, filed November 16, 1933, and appellee's application No. 637,032, filed October 10, 1932.

Appellant being the junior party, the burden was upon him to establish priority of invention by a preponderance of the evidence.

Counts 1 and 3 are illustrative of the involved counts. They read:

Count 1. The combination of: a piston having a head, a slotted piston skirt, and piston pin bosses; and a piston skirt expander, said expander comprising oppositely disposed spring arms, said arms extending at an angle to the axis of said piston and converging toward said piston head, and means intermediate the upper portions of said spring arms encircling said piston pin bosses.

Count 3. An expander for pistons comprising a U-shaped plate member the sides of which comprise spring arms, and a pair of spaced perforated lobes projecting from said U-shaped member between said arms, said lobes being disposed in opposition and lying in planes parallel to a medial plane intersecting said arms.

The purpose of the "piston expander", defined in the involved counts, is to restore worn pistons to their original shape so that they will operate properly.

Appellant moved to dissolve the interference on the ground that appellee was not entitled to make the claims constituting the counts in the interference.

The motion was overruled by the Primary Examiner, and evidence was submitted by the parties before the Examiner of Interferences on the issue of priority.

Upon the record submitted, the Examiner of Interferences, and, on appeal, the Board of Appeals, held that appellant had failed to establish conception of the invention prior to appellee's filing date—October 10, 1932—but that, assuming that the evidence was sufficient to establish conception as early as July, 1932, appellant had failed to establish that he had reduced the invention to practice prior to appellee's filing date, or that he was diligent in reducing it to practice at a time immediately prior to that date.

As to the question of the right of appellee to make the claims constituting the counts in issue, the Board of Appeals stated that it was in agreement with the views expressed by the Primary Examiner in his decisions holding that appellee was entitled to make the counts, and, accordingly, awarded priority of invention to appellee.

Although it is stated in appellant's reasons of appeal that the Board erred in holding that appellant had failed to establish conception of the invention prior to appellee's filing date, and proper diligence in reducing the invention to practice, counsel for appellant states in his brief that—

"From the decision of the Board of Appeals, Moeller appeals to Your Honors on the question of Six's right to make the claims which, of course, carries with it priority of invention,"

and that—

"Since Moeller is depending, for a judgment of priority, on Six's failure to disclose the invention defined by the counts of the interference issue, we shall consider only that part of the Board's decision dealing with Six's disclosure." [Italics ours.]

At the time of the oral arguments in this court, we understood counsel for appellant to state that the sole issue before the court was whether appellee had the right to make the claims constituting the counts in issue; nevertheless, we have examined the evidence introduced by appellant relative to his conception of the invention and his claim of diligence in reducing it to practice, and are in accord with the conclusion reached by the tribunals of the Patent Office on those issues. Under the circumstances, we deem it unnecessary to discuss that evidence.

Relative to appellee's right to make the claims constituting the counts in issue, counsel for appellant contends that appellee does not disclose in his application a piston skirt expander having "oppositely disposed spring arms for expanding the piston skirt in a direction at right angles to the pin bosses," as does appellant in his application; that, on the contrary, appellee discloses an expander which exerts expansion action about the entire piston skirt; that appellee definitely states in his application that the oppositely disposed perforated lobe portions are so designed and arranged that they exert an outward pressure against the piston pin bosses and the "corresponding side of the skirt"; and that (we quote from the brief of counsel for appellant)—

According to the laws of physics the expansion of the upper part of the expander against the boss portions cannot avoid interfering with the expansion of the spring arm, because the force of the portions against the bosses and the force of the spring arms are opposed forces. These forces are acting upon the inside of an annular member in divergent directions. Such being the case, *the expansion in the direction at right angles to the pin*

bosses would be, to a large extent, nullified by the force acting parallel with the pin bosses.

The Primary Examiner and the Board have both failed to appreciate that *Moeller is not attacking the Six disclosure because it does not show oppositely disposed members for exerting pressure at right angles to the pin bosses, but is attacking Six's disclosure because the counteracting forces exerted against the bosses will prevent the alleged spring arms from exerting their force against the skirt at right angles to the pin bosses.*

The whole tenor of Moeller's disclosure is that the *expander expands* the piston skirt *only* in a *direction at right angles to the pin bosses* to produce a somewhat oval-shaped skirt; and the *claims should be interpreted as they would if they contained the limiting phrase "oppositely disposed spring arms for expanding the skirt only in a direction at right angles to the pin bosses."* While this language is not in the claims, the specification clearly describes a U-shaped expander which can only function in this manner; and counts 2, 3 and 5 are specifically limited to "U-shaped member." Thus, the distinction made in the applications of the respective parties *between a U-shaped member, which expands the skirt at right angles to the pin bosses*, and a *cup-like member for exerting expansive action substantially about the entire skirt, is of the essence of this controversy.* The two expanders are of fundamentally different shape for performing fundamentally different purposes, and we submit that these purposes are inconsistent and cannot exist side by side in the expander of either party. [Italics ours.]

Counsel for appellant further take exception to the holding of the Primary Examiner on the motion to dissolve, and that of the Board of Appeals that appellee disclosed in his application a U-shaped skirt expander. Counsel argues that, as a matter of fact, appellee's expander is not U-shaped but cup-shaped.

Counsel for appellant concedes, as indeed he must, that appellee refers in his specification to his expanders as being in "U-shape or cup-like form." Furthermore, appellee's drawings, particularly Figures 4 and 5, disclose expanders substantially in the shape of the letter "U," and, in claims 1 and 2 of his original application, appellee's expander is referred to as being "substantially U-shaped."

So far as the shape of their expanders is concerned, we can see no appreciable difference in the disclosures of the parties.

Appellee stated in his application that—

> The invention resides in a compressible spring expander adapted to be compressed within a worn piston to exert outward pressure against the skirt. More particularly, it relates to expanders of *simple U-shape or cup-like form* having a *plurality of downwardly-extending fingers which may form in effect a split wall adapted to engage and bear against the inner surface of the piston skirt over a substantial area to force it radially outward to conform to a worn or out-of-round cylinder.* For this purpose, a pair of oppositely disposed expanding fingers or wall sections bear against the slotted portion of the skirt and that portion opposite thereto, *while another pair of fingers or wall sections may engage and press outwardly against the opposed boss portions, to expand the circumferential length of the skirt.*
>
> * * * * * * *
>
> Said spring [expander] is substantially U-shaped or "cup-like", being adapted to be forced in inverted position upwardly within the piston skirt toward the head so that the downwardly extending expanding fingers or split wall sections *bear against the inner surface or side walls of the split skirt of the piston.* To permit of the flexing of the expander under pressure, it may be described as having a bight portion adapted to lie adjacent the piston head. Extending downwardly from said bight portion, *there are a pair of wall sections or resilient fingers curved to conform with the curvature of the piston skirt and adapted to be forced inwardly against the inherent spring tension therein when mounted within the skirt so as to normally exert an outward pressure thereon.* [Italics ours.]

It is clear from appellee's specification that his spaced perforated lobes "may engage and press outwardly against the opposed boss portions." However, there is no such teaching in appellant's application. This difference between the functions of the disclosures of the parties is clear to us, and was recognized by the Primary Examiner and the Board of Appeals.

Counsel for appellant insists that the structures of the two parties are "fundamentally different in shape" and perform fundamentally different functions, and that there is, therefore, no interference in fact.

In its decision, the Board of Appeals stated, inter alia:

> The party Moeller argues that Six shows a cup-shaped expander and that it does not have spring arms and does not function in the same manner as a U-shaped expander with spring arms required by some of the counts and as shown by Moeller where the counts originated. From the parts of the specification quoted above it is obvious that Six refers several times to the downwardly extending resilient members which press outwardly against the piston skirt. It is true that in Figs. 4 and 5 there are narrow side plates near the top which connect the spring arms. These plates, however, will not to any material extent prevent the arms * * * acting as spring arms. Even though the upper part may appear slightly cup-shaped, the general configuration of the expander is U-shaped and the arms * * * function as spring arms to press the skirt outwardly. In operation, the arms * * * are intended to press outwardly on the piston skirt and expand it at right angles to the piston pin. The upper part of the expander is also stated as pressing outwardly against the opposed boss portions. This is an additional function which the expander performs but it does not interfere to any material extent with the expanding function of the spring arms * * *.
>
> Original claim 1 referred to a "leaf-spring expander" which is U-shaped in cross section. Likewise, claim 9 presented during the prosecution, refers to "a spring piston expander located within the piston skirt and presenting line contacts with the skirt to each side of the split and in substantial parallelism therewith."
>
> In view of the above, it appears to us that the expander in Six may be properly designated as U-shaped in the same sense as used in the Moeller application. The expander has spring arms which bear against the piston skirt and serve the same function as the arms in the Moeller structure.

It will be observed that the Board was of opinion that, although the outward pressure of the lobes against the "opposed boss portions" in appellee's structure was an additional function, it did not, "to any material extent," prevent the spring arms from performing their intended function; that is, exerting proper expanding force against the piston skirt at right angles to the pin bosses.

There is no limitation in any of the counts of the interference requiring that the piston skirt must be expanded only at right angles to the pin bosses. The counts define structure, and the invention in issue is to be found in them.

We think it is too clear for argument that, so far as structure is concerned, the involved counts read directly on appellee's disclosure.

It may be that a somewhat different result might be obtained by appellee's device from that obtained by appellant's, due to the fact that in appellee's expander the oppositely disposed perforated lobe portions exert outward pressure against the pin bosses, while, at the same time, the oppositely disposed spring arms expand the piston skirt in a direction at right angles to the pin bosses. Just what that difference might be, we are unable to say.

It is stated in the quoted excerpt from the brief of counsel for appellant that appellant's expander produces a somewhat oval-shaped piston skirt. We find nothing whatsoever in appellant's application to suggest that his expander is intended to produce such a result. On the contrary, the whole tenor of his disclosure is that the tension against the piston skirt at right angles to the pin bosses shall be sufficient to restore the skirt to its proper shape, and maintain it properly expanded.

Whether there be elements in appellant's disclosure entitling him to a patent, is not before us, nor are we in a position to suggest that claims might be drawn to distinguish appellant's structure from that of appellee.

The counts in issue are broad and unambiguous, and limitations may not be read into them for the purpose of avoiding the involved interference, as argued, in effect, by counsel for appellant.

The decision is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE WHITE

No. 3,912. Decided April 25, 1938

[96 F.(2d) 283]

PATENTABILITY—CLOSURE CAP FOR CONTAINERS.

Claims for a closure cap for containers *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Comfort S. Butler and *Mr. Earle D. Crammond* for White.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting all of the claims—1 to 7, inclusive—in appellant's application for a patent for an alleged invention relating to closure caps for containers.

Claims 2 and 3 are illustrative of the appealed claims. They read:

> 2. A closure cap for containers comprising a shell having a top panel and depending annular skirt, a liner of sheet material covering the lower surface of the top panel and having a depending side portion adhesively secured in covering relationship to the upper inner surface of the skirt, and a sleeve gasket of sealing material lying against the lower portion of the skirt and overlapping the depending side portion of the liner in position to be compressed between said side portion of the liner and the periphery of a vessel intruded within the gasket.
>
> 3. A closure cap for containers comprising a shell formed with a top panel and a depending annular skirt, the skirt being formed with a flaring lower portion and an upper portion of smaller internal compass than said flaring portion, a liner of sheet material having a top portion covering the under surface of the top panel and having a side portion extending downwardly along the upper portion of the skirt, and a sleeve gasket of elastic sealing material held under circumferential constriction by the skirt with its upper edge spaced from the top portion of the liner but overlapping the side portion of the liner.

The references are: Carvalho, 1,413,654, April 25, 1922; White, 1,807,187, May 26, 1931.

The patent to White relates to a method of making closure caps, and discloses an elastic sleeve gasket of sealing material positioned in the closure cap, precisely as is the gasket disclosed in appellant's application, its upper edge being spaced from the top of the cap. In his specification the patentee repeatedly states the desirability of having the top of the gasket spaced from the top of the cap, and, in one instance, states that—

> "By employing a gasket of such length and positioning it in the cap in such relationship that there is a substantial space between the top of the gasket and the top of the cap, I am enabled to use a cap of sufficient size and a gasket of sufficient thickness to accommodate all variations within the commercial tolerances of a rated vessel size without sacrifice of security or certainty of the seal."

It is conceded by counsel for appellant that, with the exception of a liner, which is not disclosed in the White patent, the patentee discloses a cap and a gasket structure similar to that of the present application.

The patent to Carvalho relates to a receptacle closure, and discloses a cap with a lining member and a gasket. The patentee does not, however, disclose a lining member "extending downwardly" in overlapping relation with respect to the gasket, as does appellant.

The details of appellant's alleged invention are, we think, sufficiently set forth in the quoted claims.

The issue in the case is whether, in view of the fact that Carvalho suggests the advisability of having a lining of some material in a cap closure, it involves invention to add to the patentee White's disclosure a lining of sheet material covering the under surface of the top of the cap, and extending downwardly along the upper portion of the skirt of the cap to such an extent that the patentee's gasket, when placed in position, overlaps the downwardly extending portions of the lining.

In his statement, the Primary Examiner observed that the addition of such a lining to the patentee White's disclosure did not involve invention, in view of the patent to Carvalho, and said:

> Comparing applicant's cap * * * with the White cap * * * it is seen that the two caps are the same structurally and functionally.
>
> The difference in applicant's cap over the White cap is in the inclusion of the liner * * *.
>
> The cap of Carvalho is seen to be of the same type as the White cap and the cap of the present application. The Carvalho device includes a liner * * * to prevent the contents of the receptacle from contacting the material of the cap itself. This is the obvious liner function and it has been held of record that it is obvious to provide a liner in a cap. The specific size and shape of such liner is, of course, dependent on the cap structure with which it is to [be] used.

The holding of the Examiner is expressed of record as follows:

> "Claims 1 to 6, inclusive, are rejected as unpatentable over White. No invention is seen in lining the White cap.
>
> "Claims 1 to 6, inclusive, are rejected as unpatentable over White and Carvalho. Carvalho suggests lining such a cap as shown by White."
>
> "The desirability of lining a cap of the kind illustrated by White, of record, is deemed to be obvious. This being so the obvious means to line such cap is to form a liner to fit with the cap. It is not deemed to be unobvious to form a cap shaped liner to fit within a cap."
>
> * * * * * * *
>
> "As stated of record, the desirability of lining a cap such as shown in the White patent, of record, is obvious. Carvalho further teaches lining such a cap. Broadly, applicant is deemed to have done no more than to make a liner for the White cap in an obvious way to fit the cap."

In its decision, the Board of Appeals said, inter alia:

> * * * Carvalho does disclose the liner 15 as extending into sealing relation between the cap and the assembled container wall in a manner to prevent liquids in the container from contacting with the material of the cap and it is considered that to merely extend this liner to downwardly overlapping relation with the gasket for the purpose of rendering the seal more effective by reason of the contact between the liner and the yieldable gasket material would be an expected result of such extension and would not amount to a patentable improvement.

Counsel for appellant contend that appellant's combination is new and useful; that there is nothing in the references to suggest the advisability of extending the lining disclosed in the patent to Carvalho downwardly along the cap skirt; that the desirability of such modification is taught only by appellant's application; and that to extend the liner downwardly along the cap skirt in Carvalho's structure would make the structure inoperative.

The issues in the case are simple, and we deem it unnecessary to discuss all of the many arguments and suggestions made by counsel for appellant.

It should be borne in mind that the cap closure disclosed in the White patent, including the gasket, is the same, with the exception of the lining member, as that defined in the appealed claims. If any suggestion were needed that the patentee White's cap closure could be improved by the addition of a lining, that suggestion was clearly disclosed in the Carvalho patent.

Obviously, appellant would have accomplished nothing worth while had he provided a lining which merely covered the under part of the top of the White structure, because the gasket in the White structure was spaced apart from the top of the cap, and, in order to equip that structure with a proper lining, it was obviously necessary that the lining extend downwardly along the skirt of the cap and in overlapping relation with respect to the gasket, otherwise the contents of the receptacle would come in contact with the cap as well as the cap lining.

Appealed claim 1 specifies that the lining material is composed of metal foil, and claim 2 specifies that the lining material is adhesively secured to the cap.

We think it is clear that those limitations do not lend patentability to the appealed claims.

We are in entire accord with the conclusion reached by the tribunals of the Patent Office.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE BENCKER

No. 3,984. Decided April 25, 1938

[96 F.(2d) 326]

1. INVENTION—COMBINATION OF ELEMENTS PRODUCING NOVEL AND USEFUL STRUCTURE.

"We agree that, after such combination of old elements was conceived, there was no invention in employing the conventional steps of welding and insulating the interior walls of the cell, but the conception of a combination of elements producing a novel and useful structure is often the very essence of invention."

2. PATENTABILITY—ELECTROLYTIC CELL.

Claims for an electrolytic cell *Held* patentable over the prior art.

APPEAL from the Patent Office. Reversed.

Messrs. Potter, Pierce & Scheffler (*Mr. Ralph E. Parker* and *Mr. Charles H. Potter* of counsel) for Bencker.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Examiner rejecting, in view of the prior art, claims 3, 4, and 5 of appellant's application for patent. No claims were allowed.

Claim 3 is illustrative of the claims before us and reads as follows:

3. In an electrolytic cell working with a mercury cathode, the arrangement of a level positioned iron piece selected from the group consisting of U- and I-pieces being provided with head-walls, the inner walls of the said trough being provided with a lining which protects the walls of the cell against the attack of the decomposition products of the electrolyte and at the same time serves as electric insulator, the bright iron bottom of the cell covered with mercury serving in its whole dimension as current supply of the cathode.

The references cited are: Nolf, 271,906, February 6, 1883; Thomson, 18,522 (British), August 30, 1898; German patent, 96,020, January 31, 1898; Kelly, 627,193, June 20, 1899; Allen, 862,783, August 6, 1907; Heinemann, 1,176,551, March 21, 1916; Hooper, 1,852,750, April 5, 1932.

The specific improvement in the art disclosed in appellant's application is accurately stated in appellant's brief as follows:

The specific improvement to this art which appellant has made is, in essence, the use of U- or I-beams (i. e., the conventional iron or steel structural building elements) to provide the integral bottom and side walls of such a mercury cathode electrolytic cell. In fabricating a cell tank from such a structural element, metal end walls are welded to the ends of the beam, the necessary supply and eduction pipes are provided, and the inner surfaces of the side and end walls are coated with a lining of an electrically insulating material which is proof against attack by the liquid and/or gaseous contents of the cell (e. g., a protective coating of rubber, chlorinated rubber, phenol-aldehyde resin composition, or the like). The exposed bright metal upper surface of the web of the U- or I-beam provides the bottom of the cell and constitutes a continuous electrical connection to the cathode (i. e., to the mercury layer supported thereon).

The patent to Allen relates to an electrolytic cell in which there is a tank formed by a bottom portion made of iron, into which there is placed what is termed a "receptacle", having no bottom other than the iron bottom of the tank, upon which the receptacle rests. The receptacle has side walls, end walls, and a cover. The material of which the side and end walls are composed is not stated in the patent, but the drawings indicate that such walls are made of glass. The iron bottom of the tank is covered with mercury. The receptacle above-described is referred to in the patent as the "anode compartment". With respect to the outside tank, the patent states:

Referring to the drawings,—*a* indicates a tank which is preferably formed of iron, so that the tank together with the mercury therein shall constitute the cathode of the cell. This tank may be formed in any desired manner, and its dimensions may be varied in accordance with the requirements. As illustrated it is rectangular in shape. * * *

The side walls of the receptacle are not made integral with the bottom of the tank.

The patent to Nolf discloses a "vat or trough", made of hard wood, with its interior coated with a varnish. The bottom element of the tank is made of sheet iron and is flat. The apparatus described is an electrolytic cell "for decomposing chloride of sodium by dynamic electricity into two constituent elements—viz., sodium and chlorine * * *"; the bottom of the "vat or trough" is coated with a layer of mercury and serves as one of the electrodes, the other being composed of certain carbon elements described.

The patent to Heinemann discloses an electrolytic cell having a tank in which there is a bottom plate, over which flows mercury. The inner sides of the tank are provided with insulating layers. The patent does not state of what material the walls or bottom plate of the tank are composed.

The patent to Hooper relates to a tank for use in "metal cleaning, plating and pickling". There is disclosed a "seamless, rivetless steam jacketed tank", the edges of which are electrically welded.

The Kelly patent relates to an amalgam washing chamber and discloses a tank formed of cast iron. It does not comprise an electrolytic cell, nor is any such connected therewith.

The British patent to Thomson relates to an electrolytic apparatus, but it does not state of what material the vessel or tank is composed.

The German patent relates to an electrolytic apparatus, with mercury cathode, and discloses an outer vat of cast iron or the like.

The patent to Allen is the principal reference. The other patents are chiefly relied upon to show that insulating the walls of the tank, and welding the edges to make the tank integral, were old.

The Patent Office tribunals combined the references to negative patentability. It was conceded by them that appellant's structure is novel and useful.

The Board of Appeals in its decision stated:

The subject matter of the appealed claims is an electrolytic cell used in the making of caustic soda in which mercury is used as a cathode. It is admitted that the process carried out is old and the only feature of alleged novelty resides in the use of a section of a U- or I-beam in forming the body of the cell. It is well known that cells of this type are subjected to hard usage and it is therefore essential that they may be made strong and rugged. Appellant discovered that a section of a beam of the type stated could be used very successfully. It is probable that in making up the cell in this way more metal is used than is necessary, but structural steel is quite common and the cost of the same is comparatively moderate. If the device possesses any merit, it is obvious that *it must reside in the broad concept only for after such concept it is obvious that the construction of the cell involves only conventional steps.* There is obviously no invention involved in the welding of heads in the upper side of the beam so as to convert the trough into a shallow pan and it is also believed to be obvious that the side walls of such structure would have to be insulated against passage of current and also against the corrosive actions of the gases resulting as by-products.

While it is true that no one of the patents shows an electrolytic cell which closely resembles in outward appearance that claimed, still it does show that it is common to make same of iron such as in the patent to Allen where the iron forms the lower wall of the cell. It is also common to insulate the side walls of the cell as shown in the patents to Nolf and Heinemann. There is obviously no invention involved in the arrangement of the electrodes. [Italics ours.]

In passing upon a petition for reconsideration the Board of Appeals stated:

This is a petition for reconsideration of our decision dated March 29, 1937 holding that claims 3, 4, and 5 were unpatentable over the prior art. We have carefully reviewed our former decision and are still of the opinion that the claims were properly rejected. As stated in the decision, whatever merit there may be in this case must reside in the broad concept of using a section of a "U" or "I" beam for making the major portion of the cell. *After this idea was once conceived it is obvious that the things which appellant has done to make an operative cell amounted to nothing more than mechanical skill.* [Italics ours.]

[1] In each of its decisions the Board of Appeals seems to have held that the broad concept of an electrolytic cell embodying the elements set forth in the claims was not a matter for consideration in determining the patentability of the claims. We agree that, after such combination of old elements was conceived, there was no invention in employing the conventional steps of welding and insulating the interior walls of the cell, but the conception of a combination of elements producing a novel and useful structure is often the very essence of invention.

The creative concept of appellant should be considered in its entirety in order to determine whether his claims are allowable. *In re Hofmann*, 25 C. C. P. A. (Patents) —, 95 F.(2d) 257, 494 O. G. 471.

Appellant conceived that an I-beam could be utilized in the making of an electrolytic cell, and that, in connection with such I-beam, head walls should be provided and the inner walls should be lined with a material serving as an electrical insulator. We gravely doubt whether such a structure would be obvious to one skilled in the art after examining the cited references.

[2] Therefore, in accordance with the rule that such doubt should be resolved in favor of the applicant, we hold that the involved claims should be allowed, and the decision of the Board of Appeals is reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

IN RE KUHRTS, JR.

No. 3,937. Decided April 4, 1938

[95 F.(2d) 325]

PATENTABILITY—PAVING DEVICE.

Certain claims for a paving device *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. William E. Hall (*Mr. Charles E. Riordon* and *Mr. C. Russell Riordon* of counsel) for Kuhrts, Jr.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming that of the Examiner in rejecting claims 16, 31, and 32 of the application for a patent.

Claim 16 is illustrative and reads as follows:

16. In a structure of the class described, a pair of cylindrical screens of different mesh positioned end to end, a third screen of finer mesh than the former positioned around the screen of finer mesh and spaced with one end from the end thereof, joining the screen of coarser mesh, a fourth screen having a mesh of a graduation intermediate the meshes of the first mentioned screens and positioned around the coarser screen with one end coincident to the end of the coarser screen adjacent the finer of the first mentioned screens and spaced with its opposite end from the opposite end of the coarser screen, a plurality of storage bins positioned in a single row substantially in the plane with the axis of the screens, said bins being positioned directly below the screens and each adapted to receive directly from said screens an aggregate of different size, sliding gates at the lower ends of the bins, and separate means at the front of the structure and all directly connected to the gates for opening and closing the same.

The reference cited is Ash, 725,641, April 14, 1903.

The application relates to a portable paving device which may be readily conveyed from place to place in separate units and assembled in superimposed relation.

The structure disclosed in the rejected claims is the unit which is placed upon the lower part of the plant. It is not necessary to further describe the structure, as the only question before us concerns the upper unit with relation to the reference on which the claims were rejected. The reference relates to an apparatus for preparing mineral ingredients of bituminous macadam or other pavements for use. It is not a portable plant. It discloses at the top of the device a rotary screen, the openings in which graduate from relatively small to successively larger sizes, by means of which the different sizes of material are separated and drop in different bins below, but not in axial alignment with the rotary screen.

Appellant contends that the appealed claims present invention over the Ash patent mainly for the reasons that the claims disclose a structure of sliding gates operable from the front of the structure and all of the bins are in a single row directly under the screens.

The Board of Appeals held that—

> Claims 16, 31, and 32 are properly rejected on the Ash patent which shows that the general combination and sliding gates are well known. Even with the pivoted gates of Ash, any mechanic could provide connections to operate them from a single point. There is no particular ingenuity or patentable invention in the single row bin arrangement.

We have not the least doubt but that the use of sliding gates is probably as old as the bins and chutes of which they form a part. It is obvious, we think, that sliding gates are well within the purview of ordinary mechanical skill.

It seems that the operation of a plurality of gates from a single position is, if so desired, merely a more convenient means of opening and closing the gates no matter whether they work on a hinge or pivot, as in the reference, or function by sliding, as in the rejected claims. To so operate sliding gates appears to us to be obvious to a mechanic. On this point we think the reasoning in the case of *Hillard* v. *Remington Typewriter Co.*, 186 Fed. 334, particularly applicable. In this case the court said that—

> If a door be closed by a spring lock operated from the inside and the inmate of the room desires to open it to a visitor without rising from his desk, he naturally rigs up a connection by cords and pulleys and releases the lock by pulling on the cords. If it be desired to open or close a transom or a window which cannot be reached by hand, nothing is more common than the resort to pulleys and cords, cranks and levers. Such methods have been in vogue for years. • • •

While it is true that the structure shown in the Ash patent is not a portable paving plant, it is likewise true that none of the appealed claims appear to be limited to a portable plant. Hence we cannot consider the contention of appellant that since "the Ash device is not a portable plant" it takes applicant's structure away from that of the patent. The claims, of course, are the measure of the invention and if they read on the prior art we cannot read limitations into them to avoid the prior art. *In re Buckwalter*, 22 C. C. P. A. (Patents) 1031, 75 F.(2d) 515, 457 O. G. 480.

As far as the device for screening the material into different sizes and directing the screened material into different bins is concerned, we can see no invention over the patent to Ash in the general make-up of the device. Anyone skilled in the art, if it were so desired, would, in our opinion, narrow the bins of the patent, place them in axial alignment with the screens, and permit the screened aggregates to drop directly into the bins below without the exercise of invention.

Undoubtedly there are advantages in the arrangement disclosed by appellant's application, and the lower tribunals recognized this in allowing claims that were properly drawn.

We have examined the cases cited in the brief of appellant, but, because we are unable to perceive in what respect the rejected claims show invention over the patent to Ash, it is not necessary to discuss them.

The decision of the Board of Appeals is affirmed. Affirmed.

U. S. Court of Customs and Patent Appeals

HARTLEY *v.* JOYCE

No. 3,880. Decided April 25, 1938

[96 F.(2d) 296]

INTERFERENCE—PRIORITY.

Record reviewed and *Held* priority properly awarded the senior party J inasmuch as the junior party H, who was the first to conceive the invention, had not reduced it to practice prior to the date of conception by J and was not diligent in reducing to practice from a time just prior thereto up to the time he filed his application.

APPEAL from Patent Office. Affirmed.

Messrs. Strauch and Hoffman (*Mr. James A. Hoffman* of counsel) for Hartley.

Mr. George W. Hansen (*Mr. Edwin R. Hutchinson* of counsel) for Joyce.

JACKSON, *J.:*

This is an appeal in an interference proceeding wherein the Board of Appeals of the United States Patent Office affirmed a decision of the Examiner of Interferences awarding priority of invention upon the counts here involved to appellee.

The counts in issue, which originate in the application of Joyce, the senior party, are as follows:

> 1. A pressure gauge comprising a post formed with a longitudinally extending bore for a portion of its length and with a transverse passage therethrough beyond the longitudinal bore, a Bourdon tube having one end connected to the transverse passage, the free end being movable in response to pressure therein, a tubular element arranged with its opposite ends connected in communication with the longitudinal bore and the transverse passage, respectively, an intermediate portion of said tubular element being disposed in spaced relation with respect to said transverse passage and bore to provide a trap for confining liquid between the free end of said Bourdon tube and the pressure receiving end of said tubular element.
>
> 2. A pressure gauge comprising a post having a bore formed therein and a passage extending therethrough, a pressure responsive element communicating at one of its ends with said passage, the opposite end being movable in response to pressure therein, a tubular member arranged with its opposite ends in communication with said bore and passage respectively, a portion of said tubular member being disposed in spaced relation with respect to said passage to provide a trap for confining liquid between the ends of said pressure responsive element and said tubular member.

The interference arises between the application of appellee Joyce filed May 13, 1932, and assigned to the James P. Marsh Corporation, and an application of appellant Hartley filed April 10, 1934, and assigned to the United States Gauge Company. Appellant is the junior party and has the burden of proving priority of invention by a preponderance of the evidence.

The interference was declared originally between the application of Joyce and a joint application of Klein and Tollefsen assigned to the United States Gauge Company. The joint application was afterwards converted to a sole application of Klein. Prior to the approval of the preliminary statements, the application of Hartley was substituted for the application of Klein at the request of the common assignee.

Neither the Klein and Tollefsen application nor the sole application of Klein is in the record. Both Klein and Hartley are employees of the United States Gauge Company, Hartley being a subordinate of Klein.

The details of the steam gauge here involved we think are clearly described by the Primary Examiner as follows:

> The interfering counts involve a pressure gage of the Bourdon tube type provided with a trap for confining liquid therein to prevent steam or other heated medium from entering the pressure responsive element and affecting said element, yet will allow said pressure responsive element to respond to pressure applied thereto. The pressure gauge comprises a post having an axial passageway which communicates with a short transverse passage with one end of a tube coiled to form a substantially complete convolution, the opposite end of the tube is secured to and in communication with one end of a passage which extends transversely through the post. A Bourdon tube communicates at its open end with the opposite end to the transverse passage and the closed end thereof is adapted to be connected with motion transmission mechanism to actuate a pointer. The end portion of the coiled tube and the open end portion of the Bourdon tube in communication with the transverse passage together with said transverse passage form a trap for holding a quantity of liquid and thereby keep live steam or other heated medium away from the Bourdon tube while at the same time the liquid in the trap transmits applied pressure to the Bourdon tube.

The trap mentioned in the above description is also called a "syphon."

Both parties took testimony. Appellant in his preliminary statement alleged that he conceived the invention and disclosed it to others on or about April 9, 1930, and reduced it to practice on or about April 17, 1930.

The preliminary statement of appellee alleged that he conceived the invention, disclosed it to others, and reduced it to practice in the early part of the year 1932.

The Board affirmed the holding of the Examiner of Interferences that the evidence established conception by appellee on January 13, 1932, and reduction to practice in the same month. Appellant does not challenge this holding.

The Patent Office tribunals decided that although appellant's evidence established conception in April, 1930, he had not reduced the invention to practice prior to January 13, 1932, and that appellant was not diligent in reducing to practice from a time just prior to January 13, 1932, up to the time he filed his application, April 10, 1934.

The Board also held with the Examiner of Interferences as follows:

> The Hartley invention was concealed and entirely forgotten and the making of a similar invention by other inventors, even though assigned to the same assignee as the Hartley application was later assigned, cannot inure to Hartley's benefit and avoid the application of the Mason and Hepburn doctrine.

The only witnesses appearing for appellant Hartley were himself and the said Klein.

Hartley is an experimental engineer employed since 1928 by the United States Gauge Company, and engaged in developing for the company items which are embraced in the gauge industry. Prior to April, 1930, the time when he conceived the idea of placing the trap or syphon inside the casing of the gauge, his employer company made various kinds of gauges. Among these was a syphon steam pressure gauge, the construction of which called for the syphon as a separate unit to be fastened and placed externally to the gauge casing. This kind of syphon was either in pigtail or ball form. In the month of April, 1930, the witness Klein, chief engineer of the United States Gauge Company, under whose supervision Hartley worked, brought to Hartley a sketch of an improvement in the ball syphon marked ASK–1155. This sketch gave Hartley the idea of locating the trap or syphon within the gauge casing and he made a pencil drawing of this idea, marked ASK–1155–A, which bears the date of April 9, 1930. This drawing discloses the invention in issue. On the same date Hartley made a pencil drawing of another steam pressure gauge marked ASK–1155–B. This drawing does not disclose the invention herein.

Gauge models were made from the said Hartley drawings and are known as Hartley Exhibits Nos. 7 and 8. Evidence concerning the making of these models consists of an original and carbon duplicate shop order issued April 24, 1930. The order reads, "Experimental work on inside syphon gauges as per sketches ASK–1155, etc." It is signed by M. Klein and indicates the work was completed May 20, 1930. Hartley relies upon the making and testing of the model, Exhibit No. 7, as his reduction to practice.

Both Hartley and Klein testified that after the aforesaid models were completed they were placed at the same time on a steam sterilizer, remaining thereon with the sterilizer running night and day for two weeks. Hartley says the steam pressure to which the gauges were constantly subjected during this test was between 35 and 45 pounds. Klein says the pressure was from 35 to 40 pounds. The pressure on each gauge must have been the same. The dials of the gauges are not the same, one being calibrated from zero to 30 pounds, and the other from zero to 50 pounds, and both, while in evidence, are detached from the gauges. Neither Hartley nor Klein could say which of the dials was on either model.

It is important in this controversy to know which of the dials was on Exhibit No. 7, which supports

the counts herein during said test. Either dial, as far as the record discloses, might have been on Exhibit No. 7. It does not seem reasonable that a test of a 30-pound gauge would be made under the pressures testified to, particularly in view of the evidence that gauges should not be subjected to pressure of more than half the total calibration. The same reasoning applies to the test on the 50-pound gauge. It does not seem to us to be possible to have made a proper test of these two gauges in the way that has been testified.

The purpose of the syphon, which contains liquid separating the live steam from the Bourdon tube, as we understand it, is to save the said tube and soldered joints connected with it from excessive heat by which they would be damaged. The damage temperature, as stated by Hartley, would begin in the neighborhood of 300° F. Concerning this phase of the test the Board stated as follows:

> No temperature readings were made during the test so that it is not known whether the gauge would withstand a temperature of 300° F. and over. The Examiner of Interferences pointed out that the purpose of the so-called syphon, which constitutes the present invention, was to protect the Bourdon element and associated soldered joints from excessively high temperatures. Hence to test the invention it was necessary to raise the temperature to at least 300° F. where it would be damaged when the syphon was not present. There is no proof that the temperature was raised sufficiently high to injure the gauge and that the syphon prevented damage to the Bourdon tube under the high temperature.

Hartley states that a steam pressure of 45 pounds corresponds to about 300° F. The Examiner of Interferences sets forth that this pressure, according to the steam tables showing relation between pressure and heat, is approximately 292°, and that a pressure of 30 pounds corresponds to about 275°. From this he holds that—

> It will thus be seen that even if everything to which Hartley testifies be accepted as proved, it would not be satisfactorily established that Exhibit 7 was tested in such a way as to show that the syphon was effective in keeping down the temperature of the Bourdon tube.

There is no contention here that the device is so simple and its efficacy so obvious and capable of practical use that it did not need an actual test in order to sufficiently reduce it to practice. All the Hartley testimony on this score is intended to show that it was necessary to test the gauge, and that the test was sufficient.

Both Hartley and Klein testified from memory as to the details of events which occurred more than five years after the drawings and model gauges were made. The testimony of Klein in corroborating that of Hartley on the point of reduction to practice was necessarily of a rather limited character since he observed the sterilizer only occasionally, and took no readings. He differed from Hartley as to the highest pressure used. It is not difficult to understand, in a business in which both witnesses are engaged for the United States Gauge Company, with many experiments on different gauges constantly absorbing their attention, how they could be mistaken in their testimony regarding reduction to practice of Exhibit No. 7.

We are of opinion that the decisions of the Patent Office tribunals, which held that the evidence is insufficient to establish reduction to practice of Exhibit No. 7, reached the correct conclusion.

From the evidence in this case we believe that appellant has not established diligence in reducing to practice from a time just prior to January 13, 1932, up to the time he filed his application, April 10, 1934.

It appears that after the test was made on the gauge, Exhibit No. 7, in May, 1930, it was put away in a storeroom in the basement and apparently forgotten until in February, 1934, when Hartley recalled it and brought it to the attention of Klein. This was when Hartley learned from Klein that the Klein and Tollefsen application had been filed. Hartley's application was not filed until after the interference had been declared between the application of Joyce and the application of Klein and Tollefsen. We cannot find where anything had been done with Hartley's device within this time, nor was the invention in issue disclosed to anyone outside his company. Mr. Place, president of the United States Gauge Company, it is said, was told about the Hartley gauge and he suggested that "tooling up" be deferred until a market was found and that the gauge be held for further reference. Mr. Place was not called as a witness, although he had complete authority in matters pertaining to patents for his company. It appears that Hartley, on September 22, 1931, discussed with Mr. Jewell, chief engineer of the American Sterilizer Company, the installation of an internal syphon having a drainable steam trap. Neither the drawing (Hartley Exhibit No. 5) nor the gauge (Hartley Exhibit No. 7) was brought to the attention of Jewell, although it would seem the most natural thing to do. Subsequent to the Hartley and Jewell meeting, Hartley made a rough sketch on the back of a letter for Klein to indicate one of the ideas he told Klein he had discussed with Jewell, which said sketch, Hartley Exhibit No. 11, is said to come within the scope of the counts. We cannot say, because of the crudity of the sketch, that it discloses the invention in issue. In any event, it seems that Jewell never saw the sketch and he was not called as a witness to tell what was said or disclosed by Hartley. Therefore, we are of opinion that Hartley Exhibit No. 11 should be given no weight.

We do not believe that Hartley Exhibit No. 13, bearing the date of February 24, 1932, which is a sketch reading on the present counts, is proof of diligence on the part of Hartley nor on the part of his assignee with respect to the Hartley invention. It was not made by Hartley, nor was it considered as his invention. On the contrary, the application on it was filed by Klein and Tollefsen.

The making public of Exhibit No. 13 by Klein and Tollefsen or the common assignee we do not think can relieve Hartley or the common assignee of the duty of proceeding diligently in connection with the Hartley invention. There is some other evidence claimed by appellant to support his contention of activity which we have carefully examined but find unnecessary to discuss for the reason we think it cannot be considered as pertinent to the issue here. As far as the Patent Office is concerned, it is immaterial that Klein and Hartley have a common assignee. The applications are separate entities and the patent proceedings in each, so far as this case is concerned, are to be conducted as though there was no common assignee.

Here the common assignee for the purpose of an interference proceeding deliberately substituted the Hartley application for a joint application by Klein and Tollefsen which had been converted to a sole application of Klein. As we see it, Hartley and his assignee must stand on the merits of the Hartley application. Whatever had been done with respect to the other commonly owned application can have nothing to do with the invention of the issue counts.

We are of opinion that the Examiner of Interferences correctly ruled on this question as follows:

> While no authority directly in point has been found, there seems to be no sound reason why the activity of one inventor should inure to the benefit of another merely because they are employed by the same company. Certainly a reduction to practice by one of two independent inventors who happened to be thus employed could not be tacked on to an earlier conception by the other in order to defeat a third party. It is the purpose of interferences to determine priority between inventors rather than interests. An inventor may, of course, derive benefit from work done by others on his invention, even though he, personally, does not participate in it. *In the present case, however, Klein and Tollefsen did not consider that they were working on Hartley's invention but that they were making one of their own. That they did not recognize any debt to Hartley is apparent from Klein's testimony (Q. 102) that he considered the device of the joint application to be "the only patentable feature"* and also from the fact that the application as filed contained claims (1 and 3 for example) which were directly readable on the Hartley 1930 device. Such claims clearly would not have been included if Klein and Tollefsen had considered their work merely an improvement over this device. [Italics ours.]

In our opinion, neither Hartley nor his assignee exercised diligence to reduce his invention to practice during the period from a time just prior to January 13, 1932, up to the filing date of his application April 10, 1934. In fact they did nothing at all with the Hartley invention during that period.

In view of our conclusion it is not necessary to discuss the applicability of the doctrine of *Mason* v. *Hepburn*, 13 App. D. C. 86, 84 O. G. 147, which was referred to in the decisions of the patent tribunals.

For the reasons herein stated, the decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,301,431, 1,353,042, E. Harris, Retread vulcanizer, D. C., S. D. Calif., C. Div., Doc. E 1117–H, *E. Harris et al.* v. *American Tire Machinery Co., Inc.* Dismissed Sept. 13, 1938.

1,353,042. (See 1,301,431.)

1,371,004. (See Re. 19,282.)

1,470,524, H. B. Burt, Process of making frozen confections; 1,718,997, same, Frozen confectionery; 1,505,592, F. W. Epperson, same, D. C., S. D. Calif., C. Div., Doc. E 20RJ, *National Popsicle Corp. et al.* v. *M. F. Rothrock et al.* Dismissed for want of prosecution Sept. 12, 1938.

1,505,592. (See 1,470,524.)

1,574,546, J. E. Bell, Oil heating furnace; 1,574,547, same, Operation of oil stills; 1,623,773, same, Oil still, appeal filed Sept. 28, 1937, C. C. A., 3d Cir., Doc. 6578, *Globe Oil & Refining Co.* v. *Sinclair Refining Co.*

1,574,547. (See 1,574,546.)

1,581,188, C. G. Fink, Process of electrodepositing chromium and of preparing baths therefor; 1,802,463, same, Process of producing chromium-plated articles with mirrorlike scratch-finish or the like surfaces, filed Sept. 2, 1938, D. C., N. D. Ill., E. Div., Doc. 16206, *United Chromium Inc.* v. *Great Lakes Plating & Japanning Co.*

1,583,951, A. T. Bahr, Starting gate; 1,795,820, 1,770,450, 1,815,757, same, Starting machine; 1,992,802, same, Portable starting gate with fixed stalls, D. C., S. D. Calif., C. Div., Doc. E 569–H, *Bahr Starting Gate Corp.* v. *Los Angeles Turf Club, Inc.* Dismissed Sept. 13, 1938.

1,623,773. (See 1,574,546.) 1,703,605. (See 1,846,550.)

1,717,204. (See Re. 18,080.)

1,718,025. (See Re. 18,841 (*a*) and (*b*).)

1,718,245, 1,718,246, J. T. McGarry, Railway water column, D. C., S. D. Ohio, W. Div., Doc. E 1027, *The American Valve & Meter Co.* v. *J. T. McGarry* (*Railroad Products Co.*). Dismissed Sept. 13, 1938.

1,718,246. (See 1,718,245.) 1,718,997. (See 1,470,524.)

1,719,805, 1,797,912, 1,796,649, L. Hammond, Alternating current clock, D. C. Del., Doc. E. 1189, *Middlebury Electric Clock Corp.* v. *The Hammond Clock Co.* Consent decree dismissing bill Aug. 19, 1938.

1,721,530, J. Schick, Shaving implement; 1,757,978, 1,747,031, same, Shaving machine, filed Sept. 13, 1938, D. C., E. D. Va. (Richmond), Doc. E 421, *Schick Dry Shaver, Inc., et al.* v. *American Safety Razor Corp.*

1,727,095, L. Bleriot, Advertising and signaling device, 1,794,828, same, Aerial advertising and signaling, filed Sept. 13, 1938, D. C., S. D. N. Y., Doc. E 87/394, *Kellett Autogiro Corp. et al.* v. *S. S. Pike et al.*

1,744,016, A. P. Steckel, Metal rolling; 1,744,017, same, Rolling metal strip; 1,744,018, same, Method and apparatus for rolling; 1,881,056, W. C. McBain, Tension device, appeal filed Feb. 18, 1938, C. C. A., 3d Cir., Doc. 6701, *Cold Metal Process Co.* v. *Carnegie-Illinois Steel Corp. et al.*

1,744,017. (See 1,744,016.) 1,744,018. (See 1,744,016.)

1,747,031. (See 1,721,530.) 1,757,978. (See 1,721,530.)

1,770,450. (See 1,583,951.)

1,790,479, Lasker & Russell, Automatic selecting bar; Re. 20,746, Kurowski & Smith, Combined typewriting and card perforating machine, filed Aug. 4, 1938, D. C. Del., Doc. E 1275, *Remington Rand, Inc.*, v. *Underwood Elliott Fisher Co.* (Brought under sec. 4918 U. S. R. S.).

1,794,828. (See 1,727,095.) 1,795,820. (See 1,583,951.)

1,976,649. (See 1,719,805.) 1,797,912. (See 1,719,805.)

1,802,463. (See 1,581,188.) 1,815,757. (See 1,583,951.)

1,846,550, C. Gottwald, Pipe support for use with conduit; 2,050,968, Gottwald & McLeish, Conduit construction; 1,703,605, R. D. Ballantyne, Pipe support, filed Sept. 16, 1938, D. C., N. D. N. Y., Doc. 1, *Ric-Wil Co.* v. *American District Steam Co. et al.*

1,880,192. (See 1,963,348.) 1,881,056. (See 1,744,016.)

1,914,301, H. Schottenfels, Brassière; 2,040,958, M. Schottenfels, Connecter device, filed Sept. 9, 1938, D. C., S. D. N. Y., Doc. E 87/391, *M. Schottenfels* v. *A. J. Sobel* (*Governor Specialties Co.*).

1,954,443, C. E. Doolin, Dough dispensing and cutting device; 2,002,053, same, Corn product and method of making same, filed Sept. 14, 1938, D. C., S. D. Calif., C. Div., Doc. E 1466–RJ, *The Frito West Coast Co. et al.* v. *T. Horton et al.*

1,963,348, 1,963,349, 1,880,192, E. E. Boyce, Sewing machine; 1,984,772, W. C. Stewart, Combined looper and loop cutting attachment for sewing machines, filed Sept.

10, 1938, D. C., N. D. Ga. (Rome), Doc. E 143, *The Boysell Co.* v. *Gordo Bedspreads, Inc.* Doc. E 144, *The Boysell Co.* v. *Lawtex, Inc.*

1,963,349. (See 1,963,348.) 1,984,772. (See 1,963,348.)

1,992,802. (See 1,583,951.)

1,998,426. (See Re. 18,550.)

2,002,053. (See 1,954,443.) 2,040,958. (See 1,914,301.)

2,050,968. (See 1,846,550.)

2,075,827, Northrop & Gesner, Anchor, filed Aug. 15, 1938. D. C., N. D. Calif. (San Francisco), Doc. E 4300–R. *Northill Co., Inc., et al.* v. *J. C. Phillips* (*Star Anchors*).

2,077,660, J. E. Barleau, Climbing attachment for skis, filed Sept. 3, 1938, D. C., W. D. Wash., N. Div., Doc. 1226, *J. E. Barleau* v. *Charleson-Jerens Ski Equipment Co., Inc., et al.*

2,106,029, A. J. Horton, Inking mechanism and method for printing machines, D. C., S. D. N. Y., Doc. E 86/311, *A. Weiss* v. *R. Hoe & Co., Inc.* Doc. E 86/312, *Publication Corp.* v. *R. Hoe & Co., Inc.* Doc. E 86/313, *The Crowell Publishing Co.* v. *R. Hoe & Co., Inc.* Doc. E 87/334, *R. Hoe & Co., Inc.*, v. *Publication Corp.* Doc. E 86/335, *R. Hoe & Co., Inc.*, v. *A. Weiss.* (Suit for declaratory judgment in each of above cases.) Consent order of discontinuance without prejudice (notice Sept. 2, 1938), in each of above cases. Same, D. C. Del., Doc. E 1252, *R. Hoe & Co., Inc.*, v. *The Crowell Publishing Co.* Consent decree dismissing bill Sept. 2, 1938.

2,106,132, W. F. Feinbloom, Method of applying flock, filed Sept. 12, 1938, D. C., S. D. N. Y., Doc. E 87/393, *Champion Knitwear Co., Inc.*, v. *Felt Novelty Mfg. Co., Inc., et al.*

2,111,809, N. C. Schellenger, Control device, filed Sept. 12, 1938, D. C., W. D. Pa., Doc. 3430, *Chicago Telephone Supply Co.* v. *Stackpole Carbon Co.*

2,123,717, W. F. Dalzen, Gear finishing machine, filed Sept. 9, 1938, D. C., E. D. Mich. (Detroit), Doc. 8542, *Michigan Tool Co.* v. *National Broach & Machine Co.*

Re. 17,393. (See Re. 18,841 (*b*).)

Re. 18,080 (of 1,717,204), R. Gotz, Needle bearing, appeal filed June 16, 1938, C. C. A., 3d Cir., Doc. 6818, *L. Gotz et al.* v. *Universal Products Co., Inc.*

Re. 18,550, J. Snarck, Fagoting embroidery and method of manufacturing same; 1,998,426, same, Device for folding and initially hot-pressing marginal edges of slits in fabrics, filed Sept. 9, 1938, D. C., S. D. N. Y., Doc. E 87/385, *J. Snarck* v. *A. Pastore* (*Pastore Embroidery Co.*).

Re. 18,841 (*a*), J. Mayer, Hair waving method; 1,718,025, R. Bishinger, Hair curling appliance, D. C., S. D. Calif., C. Div., Doc. E 1438–RJ, *The Philad Co.* v. *H. Simon et al.* Consent decree for plaintiff Sept. 8, 1938, Doc. E 1437–J, *The Philad Co.* v. *P. H. Ordin* (*Paramount Sales Co.*) *et al.* Consent decree for plaintiff holding patents valid and infringed Sept. 8, 1938. Doc. E 1432–M, *The Philad Co.* v. *D. H. Myerson et al.* Consent decree holding patents infringed, injunction Sept. 9, 1938.

Re. 18,841 (*b*), (of Re. 17,393), J. Mayer, Hair waving method; 1,718,025, R. Bishinger, Hair curling appliance, filed Sept. 1, 1938, D. C., N. D. Calif. (San Francisco), Doc. E 4302–S, *The Philad Co.* v. *S. Sommer.*

Re. 19,282 (of 1,371,004), F. Slama, Oxidation of sulfur dioxid and catalyst therefor, appeal filed Sept. 15, 1938, C. C. A., 4th Cir., Doc. 4397, *The General Chemical Co.* v. *Standard Wholesale Phosphate & Acid Works, Inc.*

Re. 19,724, W. L. Martin, Apparatus for therapeutic and other purposes; Des. 101,468, same, Hair drier, filed Sept. 16, 1938, D. C., N. D. Ohio, E. Div., Doc. 19463, *The Martin Bros. Electric Co.* v. *S. B. Bloch et al.* (*Independent Beauty & Barbers Supply Co.*).

Re. 20,746. (See 1,790,479.)

Des. 101,468. (See Re. 19,724.)

Des. 105,010, Hines & McKeown, Sofa or similar article; Des. 105,279, same, Combined furniture post and arm, D. C. Md., Doc. E 2519, *Pullman Couch Co., Inc.*, v. *R. Union et al.* (*Union Bros.*). Patents held valid and infringed, injunction Aug. 11, 1938.

Des. 105,279. (See Des. 105,010.)

Des. 109,119. (See Des. 109,509.)

Des. 109,509, A. L. Arenberg, Lamp; Des. 109,119, same, Table lamp, filed Sept. 12, 1938, D. C., N. D. Ohio, Doc. E 5775, *Mitchell Mfg. Co.* v. *I. F. Feniger* (*Beacon Mfg. Co.*).

Changes in Classification

Order No. 3,446, October 17, 1938, directs:

In *class 21, Preserving, Disinfecting and Sterilizing* (Division 63), abolish the following subclass with its definition:

Apparatus
Sterilizers
101 Radiant energy.

The patents formerly contained in the above subclass have been placed for the most part in class 250, Radiant Energy, subclasses 43 and indented subclasses and 51 and indented subclasses, established in this order.

In *class 99, Foods and Beverages* (Division 63), abolish the following subclasses with their definitions:

Apparatus
247 Irradiating
248 Tricklers.

The patents formerly contained in the above subclasses have been placed for the most part in class 250, Radiant Energy, subclasses 43 and indented subclasses and 51 and indented subclasses, established in this order.

In *class 88, Optics* (Division 7), establish the following subclasses and definitions:

106 **Filters**
107 Fluid,
108 Graduated,
108 Multi-layer, coated or impregnated
110 With metal,
111 Plural
112 Superimposed,
113 With support,
114 Materials
115 Cellulose.

106. Devices and materials which selectively absorb or block and/or transmit a part of the spectrum, not otherwise classified.

(1) Note.—Filters for ray energy outside the visible spectrum, as ultra-violet, infra-red, or X-rays, are here.

(2) Note.—Devices which perform the filtering function in part by reflector action are placed in this class, subclass 73 and indented subclasses, and cross-referenced to this subclass or subclasses indented hereunder.

(3) Note.—See class 41, ORNAMENTATION, subclass 21, for ornamental panels and surfaces other than mosaic, capable of transmitting light; subclass 23, for mosaic panels and surfaces; subclass 26 and indented subclasses, for the application of coloring material for ornamental purposes.

(4) Note.—Filters in combination with other devices are classified with such other devices; for example, see:

(*a*) This class, subclass 16.4, for motion picture apparatus, designed for taking and exhibiting pictures wholly or partially in natural colors and having combined therewith one or more filters; subclasses 41 and 54, for eyeglasses and spectacles having lenses made of a material having filtering properties or combined with a filter; subclass 57, for lenses made of a material having filtering properties, or combined with a filter.

(*b*) Class 2, APPAREL, subclass 14, for eye shields or goggles combined with a filter.

(*c*) Class 95, PHOTOGRAPHY, subclass 2, for apparatus for photography in natural colors having combined therewith a filter; subclasses 8 and 9 for photographic sensitive elements in combination with a filter; subclass 11 and indented subclasses, for combinations of cameras with a filter; subclass 81 for non-color filters limited by claimed structure to use in photography; subclass 81.5 for color filters limited by claimed structure to use in photography and color filters designed to give a pattern effect similar to the pattern effect of half-tone screens of the type classified in subclass 81 of class 95.

(*d*) Class 240, ILLUMINATION, for illuminating devices in combination with a filter; subclass 1.1 for daylight lamps; subclass 3.1 for arena color projectors; subclass 20 for photographic safe light lanterns; subclass 23 for signal lanterns with color screens; subclass 39 for hand lanterns with color screens; subclass 48.2 and indented subclasses for projectors with color screens.

(*e*) Class 250, RADIANT ENERGY, subclass 86, for radiant energy ray generators in combination with filters, unless otherwise provided for, as noted in the notes appended to the definition of subclass 86 of class 250.

(5) Note.—See class 167, MEDICINES, POISONS AND COSMETICS, subclass 85 and indented subclasses, especially subclass 90, for cosmetics which include a material having filtering properties.

107. Devices under subclass 106 including a material in fluid form having filtering properties.

Note.—See this class, subclass 57, and class 240, ILLUMINATION, subclass 107, for lenses and refractors which include a fluid as the refracting medium.

108. Devices under subclass 106 wherein the filter has a continuously, gradually, varying filter action.

Note.—See this class, subclass 111, for plural filters each having a substantially uniform filtering action and arranged side by side, even though the adjacent filters are of different kinds.

109. Devices under subclass 106 in which (1) there are a plurality of layers; (2) a base is coated; or (3) a base is impregnated. At least one material must be claimed as having filtering action, and all of them may have such action.

(1) Note.—Complete the search in this class, subclass 108.

(2) Note.—See this class, subclass 112, for superimposed filters not within the definition of this subclass (109), and particularly for serially arranged filters which are movable relatively to each other.

(3) Note.—See class 49, GLASS, subclass 81, for patents claiming laminated glass even though all the claims are limited to a filter.

110. Devices under subclass 109 wherein one of the materials is a metal.

111. Devices under subclass 106 having a plurality of filters associated together.

Search this class, subclass 108, for graduated filters.

112. Devices under subclass 111 having two or more filters so disposed that the ray energy may pass through all of the filters in series.

Note.—See this class, subclass 109, for filters having a plurality of layers, or having a coated base, or having an impregnated base, where one or more of the materials have a filtering action.

113. Filters as defined in subclass 106 in combination with a support.

(1) Note.—For filters in combination with other devices more than a mere support, see note (4) to the definition of subclass 106 of this class.

(2) Note.—See class 248, SUPPORTS, and related classes, for supports of general application.

114. Patents under subclass 106 claiming only filters made of particular materials.

(1) Note.—Where the structural characteristics of the filter are claimed, it is classified in the subclasses above.

(2) Note.—Where the patent claims a material broadly as well as claiming a filter made of the material, it is classified with the appropriate material and cross-referenced here. An exception to this is made in the case of laminated glass, class 49, GLASS, subclass 81, and glass compositions, class 106, PLASTIC COMPOSITIONS, subclass 36.1 and indented subclasses, which take such structures and materials even though all the claims are limited to a filter.

(3) Note.—See class 8, BLEACHING AND DYEING; FLUID TREATMENT AND CHEMICAL MODIFICATION OF TEXTILES AND FIBRES, subclass 1 and indented subclasses, for processes of dyeing all kinds of materials, and dyed textiles and fabrics.

(4) Note.—For compositions of matter, see particularly classes 75, METALLURGY, subclass 122 and indented subclasses, for alloys; 106, PLASTIC COMPOSITIONS; 134, LIQUID COATING COMPOSITIONS; 252, SUBSTANCE PREPARATION, and 260, CHEMISTRY, CARBON COMPOUNDS, subclass 2 and indented subclasses.

115. Compositions under subclass 114 containing pyroxylin, guncotton, nitrocellulose or collodion.

Note.—For plastic and liquid coating compositions containing cellulose, see classes 106, PLASTIC COMPOSITIONS, subclasses 37 and 40, and 134, LIQUID COATING COMPOSITIONS, subclass 79.

The patents contained in these subclasses have been taken for the most part from class 95, Photography, subclasses 81 and 81.5 and from class 250, Radiant Energy, subclass 34.

In *class 2, Apparel* (Division 24), subclass 14 add the following note:

Note.—Filters and materials for filters for radiant energy rays are in class 88, OPTICS, subclass 106 and indented subclasses, except laminated glass filters which are in class 49, GLASS, subclass 81, and glass filter compositions which are in class 106, PLASTIC COMPOSITIONS, subclass 36.1 and indented subclasses.

In *class 88, Optics* (Division 7), in the main class definition number the existing note (*2*) and add the following note:

(1) Note.—Ray filters for ray energy both within and outside of the visible spectrum are in this class.

In *class 95, Photography* (Division 7), in the main class definition add the following note:

(1) Note.—Filters and materials for filters for radiant energy rays are in class 88, OPTICS, subclass 106 and indented subclasses, except laminated glass filters which are in class 49, GLASS, subclass 81, and glass filter compositions which are in class 106, PLASTIC COMPOSITIONS, subclass 36.1 and indented subclasses.

In *class 106, Plastic Compositions* (Division 50), subclass 37, number the existing note (*2*) and add:

(1) Note.—For filters for radiant energy rays made of pyroxylin or other cellulose material, search class 88, OPTICS, subclass 115;

and in subclass 40 add the following note:

Note.—For filters for radiant energy rays made of pyroxylin or other cellulose material, search class 88, OPTICS, subclass 115.

In *class 134, Liquid Coating Compositions* (Division 50), subclass 79, number the existing note (*2*) and add:

(1) Note.—For filters for radiant energy rays made of pyroxylin, or other cellulose material, search class 88, OPTICS, subclass 115.

In *class 167, Medicines, Poisons and Cosmetics* (Division 43), subclass 85, add the following note:

(4) Note.—Filters and materials for filters for radiant energy rays are in class 88, OPTICS, subclass 106 and indented subclasses, except laminated glass filters which are in class 49, GLASS, subclass 81, and glass filter compositions which are in class 106, PLASTIC COMPOSITIONS, subclass 36.1 and indented subclasses.

In *class 240, Illumination* (Division 30), in the main class definition add the following note:

Note.—Filters and materials for filters for radiant energy rays are in class 88, OPTICS, subclass 106 and indented subclasses, except laminated glass filters which are in class 49, GLASS, subclass 81, and glass filter compositions which are in class 106, PLASTIC COMPOSITIONS, subclass 36.1 and indented subclasses;

and in subclass 107 add the following note:

Note.—Filters for radiant energy rays including a material in fluid form having filtering properties are in class 88, OPTICS, subclass 107.

In *class 250, Radiant Energy* (Division 54), abolish the following subclasses with their definitions:

Telodynamic
Apparatus
Receivers
Electrodynamic
Gaseous element
27.5 Tubes.
34 **Special ray**
35 Tubes.

The patent formerly contained in these subclasses have been placed for the most part in class 250, Radiant Energy, subclass 42 and indented subclasses, established in this order, and subclass 27.5, reestablished, with accompanying newly indented subclasses, in this order.

In *class 250, Radiant Energy* (Division 54), establish the following subclasses and definitions:

42 **Ray energy**
43 Fluent material treating
44 With radio-active material,
45 With control means,
46 With movable and/or fluent stream agitator,
47 With temperature modifier,
48 Tortuous path,
49 Film type,
50 With article or object support
51 Inanimate, article or object
52 With relatively movable article and ray generator,
53 With ray sensitive film or screen,
54 Tables
55 Tiltable
56 Parallel mounted tube
57 With film or screen support,
58 With film or screen support,
59 Object measurement,
60 Stereoscopy
61 With single ray source,
62 With secondary ray screen or grid
63 Screens and grids,
64 With angle indicator,

Ray energy—Continued
65 Photography
66 Film or plate changers,
67 Exposure identification,
68 Cassettes
69 Dental
70 Supports,
71 Fluorescent and phosphorescent devices
72 Indicating instrument,
73 Pendants,
74 Handles and keys,
75 Push buttons, screws, nails, and other rod-like bodies,
76 Face plates,
77 With reflector or refractor,
78 With hood,
79 With support,
80 Screens,
81 Materials,
82 With radio-active material,
83 Detection and measurement of special rays,
84 Ray generation
85 Combined with heat generator,
86 With ray filter,
87 Discharge device and transformer units,
88 With casing or reflector
89 With cooling means,
90 X-ray generator,
91 With supports
92 Stand and bracket,
93 X-ray electrical systems
94 Plural devices,
95 With discharge quantity determining means,
96 With gas pressure regulation,
97 With constant discharge rate,
98 With condensor discharge,
99 With electron stream control device,
100 With rectifying circuit
101 With mechanical rectifier,
102 With A. C. or pulsating supply,
103 With voltage or current regulator,
104 Conductor systems,
105 Cones and shutters,
106 Radio-active applications
107 Compositions,
108 Shields and shielding materials.
27.5 Tubes
141 Cathode ray
142 X-ray
143 With cooling means,
144 With plural cathodes and/or anodes,
145 With focusing means,
146 With potential stress distributing means,
147 With secondary ray screen,
148 With movable electrode,
149 Targets or anti-cathodes,
150 With plural cathodes,
151 With plural output electrodes
152 Three or more,
153 With photo-sensitive electrode,
154 With electron permeable window,
155 With plural accelerating electrodes,
156 With stream deflecting means
157 Plural
158 Electrostatic,
159 Electrostatic,
160 With stream concentrator
161 Magnetic,
162 Tube or disk,
163 With stream modulator,
164 Screens and targets,
165 Photo-sensitive
166 With plural cathodes
167 Mosaic type,
168 With plural anodes,
169 With discharge control device
170 Photo-sensitive control of control device,
171 With gas or vapor,
172 Special ray sensitive,
173 Cathode on tube wall,
174 Secondary emitters
175 With plural secondary emitters,
176 Secondary emission prevention
177 With non-emissive material.

42. Methods and apparatus under the class definition for the development, conversion, production, transmission and general utilization of rays of any type, whether within the visible or invisible range of the spectrum, including apparatus and methods for the production and utilization of X-rays or Röntgen rays, cathode rays, ultra-violet rays, and the radiations or emanations of radio-active substances not limited to particular arts. Instruments and accessories designed for use in connection with ray energy, and not otherwise classified, are included.
(1) Note.—Methods of operating radiant energy ray apparatus, which are not limited to particular arts, are classified with the apparatus in this subclass and the indented subclasses.
(2) Note.—This subclass takes apparatus within its definition for applying ray energy to materials. Since many ray generators inherently function to generate ozone and other gaseous products patents claiming means for applying such inherently generated gaseous products in addition to applying the radiant ray energy, are placed in this subclass and the indented subclasses. Where an ozone or other gaseous product generator is claimed in addition to the radiant energy ray generator, it is not in this class but is in the class providing for such apparatus, such as class 21, PRESERVING, DISINFECTING AND STERILIZING; class 99, FOODS AND BEVERAGES; class 204, ELECTROCHEMISTRY, or other appropriate class.
(3) **Search this class,** subclass 84 and indented subclasses, and the classes and subclasses referred to in the notes to subclass 84, for radiant energy ray generators, such as X-ray generators, ultra-violet ray generators and infra-red ray generators.
(4) Note.—For filters and filter materials for radiant energy rays, see class 88, OPTICS, subclass 106 and indented subclasses.
(5) Note.—For signaling by means of radiant ray energy, search this class, subclass 2 and indented subclasses, and class 178, TELEGRAPHY, subclass 6 and indented subclasses, for automatic telegraph systems in which optical means utilizing radiant energy, which may be within the visible or invisible portion of the spectrum, is provided at either or both the transmitting and/or receiving station for telegraphically producing a facsimile of subject-matter.
(6) **Search Classes—**
8—BLEACHING AND DYEING; FLUID TREATMENT AND CHEMICAL MODIFICATION OF TEXTILES AND FIBERS, subclass 2, for dyeing processes involving the use of radiant energy, and subclass 103, for bleaching processes involving the use of radiant energy.
21—PRESERVING, DISINFECTING AND STERILIZING, subclass 2 and indented subclasses, for methods for sterilizing non-food material by the use of radiant energy, and subclass 61 and indented subclasses, for apparatus using ray energy in combination with other means for preserving, disinfecting and sterilizing.
23—CHEMISTRY, appropriate subclasses; 204, ELECTROCHEMISTRY, appropriate subclasses, for both methods and apparatus, and 260, CHEMISTRY, CARBON COMPOUNDS, subclasses 422, 661 and 697, for methods, for effecting chemical reactions by means of radiant energy.
34—DRIERS, subclass 41, for apparatus for drying material by means of solar radiation.
60—POWER PLANTS, subclass 26, for power plants operating by means of radiant energy evolved from natural sources, such as the sun.
88—OPTICS, appropriate subclasses, for instruments and devices involving reflection, refraction or securing chromatic effects. Such instruments and apparatus which are useful with radiant energy rays within the visible and invisible spectrum are classified in class 88, unless limited to particular arts. Instruments and apparatus which are not limited to particular arts and which include some claimed structure which is necessary because of the utilization of invisible ray energy in their operation are classified in this class (250).
99—FOODS AND BEVERAGES, subclasses 12, 13, 217, 218, 221 and 233, for processes for the treatment and preparation of foodstuffs by the use of radiant energy.
126—STOVES AND FURNACES, subclasses 270 and 271, for devices designed to utilize the sun's rays for general heating purposes.
128—SURGERY, especially subclasses 24.1 and indented subclasses, 68.1, 172.1, 172.2, 275.1, 303.10 and indented subclasses, and 362 and indented subclasses, for surgical appliances and devices which include means for applying light or analogous rays to the body, which are limited by claimed structure to therapeutic use.
179—TELEPHONY, subclasses 100.3 and 100.31, and 274, SOUND RECORDING AND REPRODUCING, subclass 5, for apparatus for producing sound records by means of radiant energy.

43. Subject-matter under subclass 42 for subjecting fluent material to the action of radiant energy rays or emanations.
(1) Note.—For radiant energy ray apparatus in combination with means to apply a fluent material to the apparatus for temperature regulation, such combinations often being analogous in structure to the apparatus classified in this and indented subclasses, search this class, subclasses 27.5, 89 and 143; class 176, ELECTRIC LAMPS, appropriate subclasses, especially subclass 43; and class 240, ILLUMINATION, appropriate subclasses, especially subclasses 11 and 47.
(2) Note.—See note (6) to the definition of subclass 42 of this class.

(3) **Search Class—**
128—SURGERY, subclass 172.1, for medicators such as atomizers, inhalers, and syringes in combination with radiant energy ray apparatus.

44. Subject-matter under subclass 43 wherein the fluent material is subjected to the influence of a radio-active material.
(1) **Search this class,** subclasses 106 and 107, for miscellaneous applications of radio-active materials, and radio-active compositions.
(2) **Search Classes—**
23—CHEMISTRY, subclass 267 and indented subclasses, especially subclass 272.1, for apparatus for dissolving a compound or the soluble part of a composition of matter in a liquid.
167—MEDICINES, POISONS AND COSMETICS, subclass 51, for radio-active medicines and the processes of making them.
206—SPECIAL RECEPTACLES AND PACKAGES, subclass 0.5, for receptacles and packages containing an infusing substance.
261—GAS AND LIQUID CONTACT APPARATUS, appropriate subclasses, for apparatus designed to produce intimate contact between gases and liquids.

45. Subject-matter under subclass 43 provided with means for controlling the flow of the fluent material, and/or the operation of the radiant energy ray generator.
(1) Note.—For special ray generators in combination with an electrical system for supplying energy to the ray generator, search this class, subclass 93, for X-ray generator systems, and subclass 27, for miscellaneous electric systems; and class 176, ELECTRIC LAMPS, subclasses 8 and 45 and their indented subclasses, and 124 and 125 for electric lamp systems.
(2) **Search Class—**
137—WATER DISTRIBUTION, and the related classes, for systems of distribution of fluent materials.

46. Subject-matter under subclass 43 provided with a movable agitator and/or provided with means for agitating the fluent material by the use of a second stream of fluent material.
(1) Note.—See this class, subclass 48, for apparatus in which the fluent material is agitated by flowing in a tortuous path, such as over baffles.
(2) **Search Class—**
259—AGITATING.

47. Subject-matter under subclass 43 provided with means for heating and/or cooling the fluent material.
Search Class—
257—HEAT EXCHANGE, appropriate subclasses, for heat exchange apparatus of general application.

48. Subject-matter under subclass 43 having a tortuous path for the fluent material.

49. Subject-matter under subclass 43 designed to present the fluent material in the form of a thin sheet or film to the radiant energy rays.
Search Class—
257—HEAT EXCHANGE, particularly subclass 178 and indented subclasses, and other subclasses noted in the definition of such subclasses for analogous structure for presenting fluent material in the form of thin sheets or films.

50. Apparatus under subclass 42 in combination with means to support an article, object or person in position to be subjected to ray energy.
Search Class—
128—SURGERY, subclasses 365–378, for bathing apparatus, cabinets, couches, beds, chairs and seats having combined therewith means for applying light to the body, which are limited by claimed structure to therapeutic use.

51. Subject-matter under subclass 50 limited by claimed structure to supporting an inanimate article or object.
Search Classes—
88—OPTICS, subclass 14 and indented subclasses, for testing instruments involving optical principles, such as reflection, refraction, transmission, or the comparison of colors, and not requiring any chemical change in the substance tested.
209—CLASSIFYING, SEPARATING AND ASSORTING SOLIDS, appropriate subclasses, especially subclass 111, for methods and means for assorting articles.

52. Subject-matter under subclass 51 provided with means for relatively moving the ray generator and/or the article. Either the ray generator or the article or both may be movable.
(1) **Search this class,** subclasses 91 and 92, and class 240, ILLUMINATION, subclass 52 and indented subclasses, for radiant energy ray generators in combination with supporting means.
(2) **Search Classes—**
193—CONVEYORS, CHUTES, SKIDS, GUIDES AND WAYS; 198, CONVEYORS, POWER DRIVEN; and 302, CONVEYORS, FLUID CURRENT, for conveyors of general application.

53. Subject-matter under subclass 51 having in combination therewith a radiant energy ray sensitive film or plate, and/or a fluorescent or phosphorescent screen.
Note.—See this class, subclass 65 and indented subclasses and subclass 71 and indented subclasses, and the search indicated by notes thereunder, for ray sensitive films and screens.

54. Subject-matter under subclass 50 including a table.
Search Classes—
5—BEDS, subclass 60 and indented subclasses, for invalid beds.
128—SURGERY, subclass 376 and indented subclasses, for couches, beds, chairs and seats combined with means for applying light or analogous rays to the body, which are limited by claimed structure to therapeutic use.
311—SUPPORTS, TABLES, subclass 5 and indented subclasses, for surgical tables.

55. Subject-matter under subclass 54 wherein the tables may be tilted.
Search Classes—
5—BEDS, subclass 62, for invalid beds with tilting frame.
311—SUPPORTS, TABLES, subclass 38, for tiltable tables.

56. Subject-matter under subclass 55 having the ray generator mounted to move in a plane parallel to the plane of the supporting surface of the table in all of its positions, including when tilted.

57. Subject-matter under subclass 56 having included therewith means for supporting a fluorescent screen and/or a ray sensitive film or plate.
Note.—See this class, subclasses 65 and 71 and their indented subclasses, and the search indicated by the notes thereunder for ray sensitive films and screens.

58. Subject-matter under subclass 54 having included therewith means for supporting a fluorescent screen, and/or a ray sensitive film or plate.
Note.—Continue the search in subclass 57 of this class.

59. Subject-matter under subclass 42 for measuring a dimension of, and/or locating the position by measuring means of, an object which may be embedded in a body which is opaque to visible light, but translucent to invisible ray energy.
(1) **Search this class,** subclasses 60 and 61, for methods and apparatus for producing stereoscopic images.
(2) Note.—For mere geometrical instrument structure, see class 33, GEOMETRICAL INSTRUMENTS.

60. Subject-matter under subclass 42 for producing stereoscopic (relief illusion) images.
(1) **Search this class,** subclass 66, for film or plate changers which may be used with special ray stereoscopic apparatus.
(2) **Search Classes—**
88—OPTICS, subclasses 16 and indented subclasses, for stereoscopic motion picture apparatus, and 24 and 29 and indented subclasses, for picture viewing or projecting apparatus designed to produce relief effects.
95—PHOTOGRAPHY, subclass 18, for cameras wherein two or more exposures are made at the same time.
178—TELEGRAPHY, subclass 6.5, for stereoscopic facsimile telegraph systems, transmitters or receivers.

61. Stereoscopic methods and apparatus under subclass 60 utilizing only a single ray source.
Note.—Special ray generators combined with supports having means for shifting the special ray generator for stereoscopic purposes are classified here.

62. Subject-matter under subclass 42 provided with a screen, usually designated as a Bucky grid, for absorbing so-called secondary radiation, or rays not traveling in a straight line from the focal point of the ray generator to the fluorescent screen or the ray sensitive film or plate.

63. Secondary ray screens per se for use in the combinations of subclass 62.

64. Subject-matter under subclass 42 for indicating the direction the rays should follow in order to impinge upon the ray receiving member at the desired angle.
Note.—See class 33, GEOMETRICAL INSTRUMENTS, for angle measuring means not limited to this use.

65. Subject-matter under subclass 42 for making pictures.
(1) Note.—Continue the search in subclasses 53, 57, 58, 59, 60, 61, 62, 63, and 64 of this class.
(2) Note.—See class 33, GEOMETRICAL INSTRUMENTS, appropriate subclasses, for means for measuring the dimensions of a body in order to calculate the quantity of X-rays necessary for a photographic exposure.

(3) Note.—See class 88, OPTICS, subclass 16 and indented subclasses, for motion picture apparatus, and class 95, PHOTOGRAPHY, appropriate subclasses, for devices and processes peculiar to pictures made by the action of light upon a medium sensitive to it. Cameras and parts thereof which may be used to take photographs by ray energy, outside of as well as within the visible spectrum, are in classes 88 and 95.

66. Subject-matter under subclass 65 for bringing different ray sensitive films or plates, or different portions of the same plate or film, into the exposure area, one at a time.

67. Subject-matter under subclass 65 for placing a mark for identification or other purposes upon the film or plate.
(1) Note.—Marking the film before or after the exposure is not included, unless the claims include some limitation which brings the patent within the definition of subclass 65.
(2) **Search Class—**
95—PHOTOGRAPHY, subclass 1.1, for instruments and processes for placing identifying marks upon light sensitive surfaces.

68. Holders for the support of ray sensitized photographic surfaces during their exposure by apparatus of the kind defined in subclass 65.
(1) Note.—Continue the search in subclass 66 of this class.
(2) Note.—Continue the search in subclass 67 of this class for cassettes having means to place an identifying mark upon the film or plate.
(3) Note.—See class 206, SPECIAL RECEPTACLES AND PACKAGES, subclass 62, for packages for plates or sheets of fragile material, such as photographic plates.

69. Cassettes under subclass 68 designed for use in the mouth, usually for dental X-ray radiography.

70. Devices for supporting dental cassettes, as defined in subclass 69, in the oral cavity.
Note.—Continue the search in subclass 64 for dental cassette supports combined with angle indication means.

71. Subject-matter under subclass 42 in which various devices are claimed in combination with a material having the property of emitting light or analogous rays as the result of the absorption of wave energy radiated by some other source.
(1) Note.—Continue the search in this class, subclasses 59–64.
(2) Note.—Where characteristics of the device or structure with which the fluorescent or phosphorescent material is combined, in addition to the modification of the device necessary for the use of the fluorescent or phosphorescent material, are claimed, the patent is classified with the other device or structure.
(3) **Search this class,** subclass 27.5 and indented subclasses, especially subclass 164, for electric discharge devices in combination with a fluorescent or phosphorescent material.
(4) **Search Classes—**
40—CARD, PICTURE AND SIGN EXHIBITING, subclass 134, for signs provided with fluorescent or phosphorescent materials.
176—ELECTRIC LAMPS, appropriate subclasses, for electric lamps provided with fluorescent or phosphorescent material.
240—ILLUMINATION, subclass 2.25, for illuminating devices in combination with fluorescent and phosphorescent materials, and subclass 2 and indented subclasses, and the places indicated in the search notes thereunder for other illuminating means combined with the structure illuminated.

72. Indicating instruments, such as thermometers, gages, dials, pointers, etc., under subclass 71.
Note.—For indicating instrument structure, search should extend into the appropriate class, such as class 73, MEASURING AND TESTING, and 116, SIGNALS AND INDICATORS.

73. Handles and knobs under subclass 71 designed to be attached to a pull cord or chain.
Note.—For pendant handle and knob structures see the appropriate classes, for example, 16, MISCELLANEOUS HARDWARE, subclass 110 and indented subclasses; 24, BUCKLES, BUTTONS, CLASPS, ETC., particularly subclass 115 and indented subclasses; 59, CHAIN, STAPLE AND HORSE SHOE MAKING, subclass 78 and indented subclasses, particularly subclasses 93 and 95; and 156, CURTAINS, SHADES AND SCREENS, subclass 40.

74. Handles and keys under subclass 71.
(1) Note.—This subclass includes switch and valve operators, excepting push-buttons which are in subclass 75 of this class, which are designed to be operated by a handle.
(2) **Search Classes—**
16—MISCELLANEOUS HARDWARE, subclass 110 and indented subclasses, and the places indicated in the search notes thereunder for handle structures.
70—LOCKS, subclass 393 and indented subclasses, for keys for locks.

75. Push-buttons, screws, nails, and other rod-like bodies under subclass 71.
Search Classes—
85—DRIVEN, HEADED AND SCREW THREADED FASTENINGS.
200—ELECTRICITY, CIRCUIT MAKERS AND BREAKERS, subclass 172, for push-buttons for electric switches.

76. Plates under subclass 71 designed to be attached to an object or a wall, and usually provided with openings communicating with the devices concealed thereby.
Search Classes—
16—MISCELLANEOUS HARDWARE, subclasses 2 and 3, for bushings or lining thimbles.
70—LOCKS, subclass 452, for key-hole escutcheons.
247—ELECTRICAL CONDUITS AND HOUSINGS, subclass 28, for face plates for electrical devices.

77. Devices under subclass 71 including a refractor, or a reflector, for the rays emitted by the luminous material.
Search Classes—
88—OPTICS, subclass 57, and 240, ILLUMINATION, subclass 106 and indented subclasses, for refractors, and 88, OPTICS, subclass 73 and indented subclasses, and 240, ILLUMINATION, subclass 103 and indented subclasses, for reflectors.

78. Devices under subclass 71 provided with a hood to protect the eyes from extraneous light when observing the fluorescent or phosphorescent material.
Note.—See class 95, PHOTOGRAPHY, subclass 47, for camera hoods.

79. Devices under subclass 71 in combination with a support.
(1) Note.—Continue the search in this class, subclasses 53, 57, and 58.
(2) Note.—For devices in combination with a fluorescent or phosphorescent material where the device is more than a mere support for the material, see this class, subclasses 71–78, and the notes thereto.
(3) Note.—See class 248, SUPPORTS, and the related classes, for supports of general application.

80. Devices under subclass 71 in which fluorescent and phosphorescent compositions are in the form of thin plates or sheets, and/or plates or other sheet material backing having a layer of fluorescent or phosphorescent material thereon.
(1) Note.—For screens combined with other devices, see this class, appropriate subclasses above.
(2) Note.—See this class, subclass 164, for cathode ray tube screens and targets.

81. Materials under subclass 71 having the property of emitting visible light or analogous rays as the result of the absorption of wave energy radiated by some other source.
Note.—Where the patent claims a material broadly as well as claiming a material having fluorescent or phosphorescent properties, it is classified with the appropriate material, and cross-referenced here. An exception is made to this in the case of liquid coating compositions, which will be found in class 134, LIQUID COATING COMPOSITIONS, subclass 47.

82. Materials under subclass 81 including a radio-active material.
Search this class, subclass 107, for radio-active compositions.

83. Subject-matter under subclass 42 for detecting the presence of, or measuring the quantity or quality of, radiant energy rays and combinations utilizing such means.
(1) Note.—Fluorescent and phosphorescent devices, including fluoroscopes, are classified in subclass 71 and indented subclasses, of this class.
(2) **Search Classes—**
73—MEASURING AND TESTING, subclass 339, especially subclass 355, for measuring the intensity of heat.
88—OPTICS, subclass 22.5, for methods and apparatus for determining temperature of bodies by measurement of the relative intensity of light radiation therefrom, or by color or incandescence radiation; and subclass 23 for all forms of apparatus for measuring the intensity of light.
95—PHOTOGRAPHY, subclass 10, for actinometers.

84. Subject-matter under subclass 42 designed for the production of radiant energy rays.
(1) Note.—The structure of ray generators per se is not in this subclass or the indented subclasses. For such structures see the notes below.
(2) **Search this class,** subclass 27.5 and indented subclasses, for miscellaneous electric discharge devices, including X-ray tube structures.
(3) **Search Classes—**
176—ELECTRIC LAMPS, appropriate subclasses, for incandescent, arc, gas or vapor and other electric lamps, including such lamps as generate ultraviolet or other invisible ray energy, and subclasses 8 and 45 and their indented subclasses, 124 and 125, for electric lamps in combination with an electric system for supplying electrical energy to the lamps.

219—ELECTRIC HEATING, subclass 19 and indented subclasses, especially subclass 34, for electric infra-red generators.
240—ILLUMINATION, for illuminating devices, where no means special to the generation, reflection or transmission of ray energy outside the visible spectrum is claimed, even though such means is disclosed. The mere specification of a light generator as an ultra-violet ray generator is insufficient to exclude the patent from class 240.

85. Ray generators under subclass 84 having combined therewith means for generating heat or infra-red rays.
Search Class—
176—ELECTRIC LAMPS, subclass 1, for gas or vapor lamps which generate ultra-violet or other special rays having included within the lamp bulb an incandescent filament, and subclass 116, for resistances and rheostats in arc lamps.

86. Ray generators under subclass 84 having in combination therewith means selectively to transmit a portion of the spectrum, including at least some rays within the invisible portion of the spectrum.
(1) Note.—For the purpose of classification in this subclass, quartz and similar materials are considered to be filter materials.
(2) **Search Classes—**
88—OPTICS, subclass 106 and indented subclasses, for filters and filter materials.
176—ELECTRIC LAMPS, appropriate subclasses, for electric lamps having a filter combined therewith.
240—ILLUMINATION, appropriate subclasses, particularly subclasses 1.1, for daylight lamps which may include an ultra-violet generator; 3.1, for arena color projectors; 20, for photographic safe light lanterns; 23, for signal lanterns with color screens; 39, for hand lanterns with color screens; and 48.2 and indented subclasses, for projectors with color screens.

87. Ray generators under subclass 84 having included a transformer for supplying electric current to the ray generator.
Search Class—
175—ELECTRICITY, GENERAL APPLICATIONS, subclass 361, for incased transformers.

88. Ray generators under subclass 84 having in combination therewith a reflector for the ray energy or a casing to enclose, either partially or wholly, the ray generator.
(1) Note.—Continue the search in this class, subclasses 86 and 87.
(2) **Search Classes—**
219—ELECTRIC HEATING, subclass 34, for electric infra-red ray generators in combination with reflectors.
240—ILLUMINATION, subclass 11 and indented subclasses, for illuminating devices including a reflector or casing for the light source.

89. Ray generators under subclass 88 having heat transfer means to dissipate the heat generated by the ray generator during its operation.
(1) Note.—Continue the search in subclass 87 of this class.
(2) Note.—Compare this class, subclass 43 and indented subclasses, and search subclass 27.5 and indented subclasses, for ray generators, per se, having cooling means.
(3) **Search Classes—**
176—ELECTRIC LAMPS, appropriate subclasses, especially subclasses 43, 51, and 115 and indented subclasses, for devices to ventilate and cool electric lamps.
240—ILLUMINATION, subclasses 11 and indented subclasses, and 47, for devices to ventilate and cool the interior of illuminating lanterns.
257—HEAT EXCHANGE, appropriate subclasses, for heat exchange apparatus generally.

90. Ray generators under subclass 88 wherein the ray generator generates X-rays.
(1) Note.—Continue the search in subclasses 87 and 89 of this class.
(2) Note.—For other X-ray apparatus, see this class, subclasses 93 and 142 and their indented subclasses.

91. Ray generators under subclass 84 in combination with means to support the ray generator.
(1) Note.—Continue the search in subclasses 56 and 57 of this class.
(2) **Search Classes—**
240—ILLUMINATION, subclass 52 and indented subclasses, for illumination devices in combination with supports.
248—SUPPORTS, and the related classes, for supports not limited to any particular arts.

92. Ray generators under subclass 91 wherein the support is a stand and bracket.
Search Class—
248—SUPPORTS, subclass 121 and indented subclasses, for stands and brackets not limited to any particular art.

93. X-ray discharge devices under subclass 84 in combination with an electrical system for supplying energy to the generator.
(1) **Search this class,** subclass 27, for miscellaneous electrical systems for electric discharge devices, not limited to any particular art.
(2) **Search Class—**
176—ELECTRIC LAMPS, subclasses 8 and 45 and their indented subclasses, 124 and 125, for electric lamps in combination with a current supply system.

94. Systems under subclass 93 for supplying electrical energy to two or more X-ray generators, or an X-ray generator and another device.
Search Classes—
171—ELECTRICITY, GENERATION, subclass 97 and indented subclasses, for systems of distribution for electricity not limited to any particular art.
176—ELECTRIC LAMPS, subclass 9, for combined electric lamp systems.

95. Systems under subclass 93 designed to permit a predetermined quantity of X-rays to be generated. Time controlled X-ray systems are here.
(1) Note.—See this class, subclass 83, for measuring and detecting means.
(2) **Search Class—**
161—TIME CONTROLLING MECHANISM, appropriate subclasses, for time controlling mechanism.

96. Systems under subclass 93 wherein the X-ray generator includes means for admitting gas or vapor into, or withdrawing gas or vapor from, the interior of the envelope of the X-ray generator, and the system includes means to cause the regulating means to become operative when the gas pressure deviates from normal.
(1) **Search this class,** subclass 27.5, for methods and apparatus for excavating and gettering X-ray tubes during the manufacture or repair thereof.
(2) **Search Class—**
176—ELECTRIC LAMPS, subclass 2, for methods and apparatus for evacuating and gettering electric lamps during the manufacture or repair thereof, and subclass 125, for gas and vapor regulating means in combination with gas and vapor discharge lamps.

97. Systems under subclass 93 including means to maintain the discharge rate within the X-ray tube constant and independent of small variations in the supply voltage.

98. Systems under subclass 93 wherein the X-ray tube is energized from charged condensors.
(1) **Search this class,** subclass 37, for disruptive discharge oscillation circuits.
(2) **Search Class—**
171—ELECTRICITY, GENERATION, subclass 97, for similar systems not limited to use with an X-ray tube.

99. Systems under subclass 93 wherein the X-ray tube includes an electron stream control means, and the system includes means for controlling the electron discharge by applying current or voltage to the control means.
Search this class, subclass 27, for miscellaneous electrical systems for electric discharge devices with electron stream control means.

100. Systems under subclass 93 wherein the system includes means for rectifying the current so as to supply unidirectional current to the X-ray tube.
Search Class—
175—ELECTRICITY, GENERAL APPLICATIONS, subclass 363 and indented subclasses, for rectifying systems of general application.

101. Systems under subclass 100 wherein the rectifier is a mechanically operated circuit interrupter.
Search Class—
175—ELECTRICITY, GENERAL APPLICATIONS, subclasses 364 and 365, for rectifying systems of general application having a mechanical rectifying means.

102. Systems under subclass 93 wherein pulsating current or alternating current is supplied to the discharge space of the X-ray generator.
(1) Note.—Continue the search in subclass 87 of this class.
(2) **Search Class—**
171—ELECTRICITY, GENERATION, subclass 97 and indented subclasses, for systems of distribution of general application.

103. Systems under subclass 93 including means to regulate the voltage or current supplied to the X-ray generator.
(1) Note.—Continue the search in subclass 97 of this class.
(2) **Search Class—**
171—ELECTRICITY, GENERATION, appropriate subclasses, for voltage and current regulation systems of general application.

104. Arrangements for supporting the current conductors in systems under subclass 93.
(1) Note.—Continue the search in subclasses 91 and 92 of this class.

(2) Note.—See class 173, ELECTRICITY, CONDUCTORS, appropriate subclasses, for arrangements for supporting electrical conductors which are not limited to any particular art, and for conductors, insulators and other devices for current conductor systems.
(3) Note.—See class 248, SUPPORTS, and related classes for supports for wires, ropes and similar things which are not limited to any particular art.

105. Devices restricted to ray energy as defined in subclass 42, including (1) devices known in the art as cones, usually designed for attachment to encased transformer-tube assemblies of the type defined in subclass 87 and used to properly space the X-ray generator from the object to be X-rayed, also (2) devices designed to be placed between the ray generator and the ray sensitive medium or the object to be subjected to rays, and provided with an orifice, which may be adjustable in size for varying the cross-sectional area, for restricting the area through which the rays may pass.
(1) Note.—See class 95, PHOTOGRAPHY, subclasses 36, 64, and 65, for similar shutters used with cameras.
(2) Note.—See class 240, ILLUMINATION, appropriate subclasses, particularly subclasses 3, 4, and 45 and indented subclasses, for similar shutters used with illuminating devices.

106. Miscellaneous applications of radio-active material under subclass 42 and not classified in any of the subclasses above, and radio-active materials.
(1) **Search this class**, subclass 44, for methods and apparatus for subjecting fluent material to the effect of radio-active substances.
(2) **Search Class—**
128—SURGERY, subclasses 1.1 and 1.2, for surgical appliances using radio-active material.

107. Materials containing a radio-active substance.
(1) Note.—Patents claiming a material broadly as well as claiming a material having radio-active properties are classified with the appropriate material, and cross-referenced here.
(2) Note.—Continue the search in this class, subclass 82.
(3) **Search Classes—**
23—CHEMISTRY, subclass 15 and indented subclasses, for methods for preparing radio-active material.
167—MEDICINES, POISONS, AND COSMETICS, subclass 51, for radio-active medicines.

108. Miscellaneous devices and materials which are opaque to radiant energy rays, and not otherwise classified.
(1) Note.—Where the patent claims a material broadly as well as claiming a material having shielding properties for radiant energy rays, it is classified with the appropriate material and cross-referenced here.
(2) **Search this class**, subclass 105, for devices to be placed between the ray source and the object being subjected to radiant energy to restrict the area through which the ray may pass.
(3) **Search Classes—**
88—OPTICS, subclass 106 and indented subclasses, for devices which are opaque to some wave lengths of ray energy, but transparent to other wave lengths of ray energy.
167—MEDICINES, POISONS, AND COSMETICS, subclass 95, for X-ray contrast compositions.

27.5. Detectors of the vacuum or gaseous tube type. This subclass is limited to structure and material composition and corresponding processes, but includes such subject-matter even though designed for rectifying and the other uses. This subclass embraces generally electric discharge devices of a structure and operating on principles similar to the foregoing except as specifically elsewhere classified.
(1) Note.—Patents claiming the method and/or apparatus for manufacturing or repairing an electric discharge device, and which also includes claims to a discharge device provided for in the indented subclasses, are classified in this subclass and cross-referenced to the appropriate indented subclass.
(2) Note.—Patents claiming an electric discharge device and means broadly to supply electric energy or potentials to the discharge device electrodes are classified in this subclass and the indented subclasses as an electric discharge device structure. If the relative magnitude or relationship of the electric energy or potentials is specified in the claims, the patents are classified as an electrical system and cross-referenced for the discharge device structure.
(3) Note.—For devices utilizing so-called vapor electric discharge, see class 175, ELECTRICITY, GENERAL APPLICATIONS, subclass 354.
(4) Note.—For devices of this general character used for illumination, see class 176, ELECTRIC LAMPS, subclass 122 and indented subclasses.

141. Electric discharge devices under subclass 27.5 wherein means are provided to form the electric discharge into a restricted beam or ray, usually pencil-like.
(1) **Search this class**, subclass 27, for miscellaneous electrical systems including cathode ray devices.
(2) **Search Classes—**
171—ELECTRICITY, GENERATION, subclass 95, for cathode ray galvanometers.
178—TELEGRAPHY, subclass 7.7, for scanning devices which include a discharge device having a movable scanning ray.
234—RECORDERS, subclass 61, for cathode ray devices in combination with photographic recording means.

142. Devices under subclass 141 having a target designed to generate X-rays when bombarded by electrons.
Search this class, subclass 42 and indented subclasses, for such tube structures combined with other apparatus.

143. X-ray devices under subclass 142 provided with heat transfer means for dissipating the heat generated during the operation of the device. Targets provided with means to conduct the heat away from the X-ray generating surface of the target are here.
(1) **Search this class**, subclass 148, for X-ray devices wherein the relative position of the electrodes may be varied so that different portions of the target are bombarded by the electron stream to prevent over-heating of the target; and subclass 89, for X-ray tubes enclosed either partially or wholly within a casing and including means for dissipating the heat generated.
(2) Note.—Compare this class, subclass 43 and indented subclasses.
(3) **Search Class—**
257—HEAT EXCHANGE, for heat exchange apparatus generally.

144. X-ray devices under subclass 142 having two or more cathodes and/or two or more anodes or targets.
Note.—Compare this class, subclasses 150, 151, 152, 155, 157, and 158.

145. X-ray devices under subclass 142 having means to bring the electron discharge to a small restricted area at the anode surface. This subclass includes X-ray devices wherein the spacing of the electrodes may be varied with respect to each other so as to locate the target at the focal point of the electron discharge.
Search this class, subclass 160 and indented subclasses, for cathode ray devices of general application with electron stream concentrating means.

146. X-ray devices under subclass 142 having electrostatic field stress distributing means for increasing the impedance of the dielectric paths between the electrodes or the electrode conductors.
Search this class, subclass 155, for cathode ray devices having a plurality of accelerating electrodes between the cathode and anode.

147. X-ray devices under subclass 142 provided with means for absorbing so-called secondary radiation, or X-rays not generated at the focal spot of the target.
(1) **Search this class**, subclass 63, for secondary ray screens, or Bucky grids, designed to be placed between the X-ray generator and the fluorescent screen or the special ray sensitive film or plate.
(2) **Search this class**, subclass 105, for devices designed to be placed between the special ray generator and the medium or object to be subjected to special rays, and provided with an orifice for restricting the area through which the special rays may pass.

148. X-ray devices under subclass 142 provided with an electrode which is mounted upon its supporting means so as to be movable. X-ray devices with rotatable electrodes are here.

149. Electron receiving electrodes for X-ray devices under subclass 142 provided with means for generating X-rays when bombarded by electrons.
Note.—Continue the search in subclass 143 of this class.

150. Cathode ray devices under subclass 141 having two or more cathodes. This subclass includes cathode ray devices having a secondarily emissive cathode in addition to a primarily emissive cathode.
Note.—Continue the search in subclass 144 of this class and compare subclasses 155, 157 and 158.

151. Cathode ray devices under subclass 141 having at least two output, or electron receiving, electrodes.
Note.—Continue the search in subclass 144 of this class and compare subclasses 155, 157 and 158.

152. Cathode ray devices under subclass 151 having three or more output, or electron receiving, electrodes.

153. Cathode ray devices under subclass 141 including means responsive to light or analogous rays for altering the operation of the device. Cathode ray devices having an electrode which emits electrons under the influence of light are here.
Note.—Compare this class, subclass 165 and indented subclasses.

154. Cathode ray apparatus under subclass 141 having a window which is permeable to electrons so that the electrons may pass through the window and out of the envelope containing the discharge electrodes.

155. Cathode ray devices under subclass 141 having a plurality of accelerating electrodes between the electron source and the output electrodes. This subclass includes cathode ray devices having a first anode, an accelerating anode, and an output electrode or anode.

156. Cathode ray devices under subclass 141 having means to deflect the electron beam from its normal straight path.
Note.—See the notes to subclass 141 of this class.

157. Cathode ray devices under subclass 156 wherein a plurality of electron beam deflecting means are provided.
Note.—Compare this class, subclasses 144, 150, 151 and 152.

158. Cathode ray devices under subclass 157 wherein at least one of the deflecting means is designed to act by electrostatic attraction or repulsion.

159. Cathode ray devices under subclass 156 wherein the deflecting means is designed to act by electrostatic attraction or repulsion.

160. Cathode ray devices under subclass 141 provided with means for concentrating the electron stream into a narrow beam.
Note.—Continue the search in subclass 145 of this class.

161. Devices under subclass 160 wherein the concentrator is designed to concentrate the beam by means of magnetic lines of force.

162. Devices under subclass 160 wherein the stream concentrating means includes a tube or disk having an aperture therein through which the discharge passes.

163. Devices under subclass 141 having means to vary the intensity of the electric discharge.
Note.—Continue the search in this class, subclasses 160, 161, and 162.

164. Targets and other electron receiving members for cathode ray devices, under subclass 141.
Search this class, subclasses 80, 81, and 82, for miscellaneous fluorescent and phosphorescent screens and materials.

165. Devices under subclass 27.5 including means responsive to light or analogous rays for altering the operation of the device.
(1) Note.—Continue the search in subclass 153 of this class.
(2) **Search this class**, subclass 27.5, for electric discharge devices having included in the electrode system a selenium or other light responsive resistance, or an electro-optical battery.
(3) **Search this class**, subclass 41.5, for miscellaneous systems whose operation is controlled by the light falling on a light sensitive element in the circuit.

166. Devices under subclass 165 having a plurality of cathodes, at least one of which emits electrons under the influence of light or analogous rays.

167. Devices under subclass 166 having a plurality of cathodes formed of small minute areas of photosensitive material arranged in the manner of a mosaic surface.
Search this class, subclass 153, for cathode ray devices having a mosaic photosensitive electrode.

168. Discharge devices under subclass 165 having two or more anode or output electrodes.

169. Discharge devices under subclass 165 having means to modify the electron stream flow from the cathode to the anode.

170. Devices under subclass 169 wherein the electron stream control means is controlled by photosensitive means.

171. Devices under subclass 165 having therein a gas or vapor. This subclass includes devices having a gas or vapor at a sufficient pressure to cause ionization of the gas by the electric discharge, and such devices wherein the claims state that the device contains a gas.

172. Devices under subclass 165 having a photosensitive material which is sensitive to ray energy within the invisible spectrum.

173. Devices under subclass 165 having the cathode on the wall of the envelope of the discharge device.

174. Discharge devices under subclass 27.5 provided with an electrode which is designed to emit electrons upon being bombarded by electrons generated at another electrode.

175. Devices under subclass 174 having two or more secondary emissive electrodes.

176. Devices under subclass 27.5 having means to prevent the emission of secondary electrons from the various parts of the device. Discharge devices having a plurality of control electrodes, one or more of which may be used to suppress secondary emission, are not included, but are in subclass 27.5 of this class.

177. Devices under subclass 176 wherein the secondary electron emission suppression is secured by the use of a non-emissive material.

The patents contained in these subclasses have been taken for the most part from class 250, Radiant Energy, subclasses 27.5, 34 and 35, abolished in this order.

In *class 250, Radiant Energy* (Divisions 51 and 54), in the main class definition cancel paragraphs (3) and (4) and substitute therefor the following:

(3) Inventions in the development, transmission and general utilization of radiant energy rays of any type, including Röntgen or X-rays, whether or not such rays are within the visible or invisible portions of the spectrum, or are electric oscillations, pulsations, projected electrons, or emanations, if utilized for the production of results, other than illumination, at a distance through the natural media, and if not otherwise provided for.

(4) Inventions limited to the development of electric oscillations such as are or may be employed in wireless transmission, radiant energy ray work, electro-medicine, or electro-surgery.

In *class 5, Beds* (Division 8), in the main class definition cancel existing note (8) and substitute the following:

(8) Note.—For surgical tables, see class 311, SUPPORTS, TABLES, subclass 5 and indented subclasses, and for tables for supporting a person, in combination with X-ray or other radiant energy ray apparatus, see class 250, RADIANT ENERGY, subclass 54 and indented subclasses. These often have manipulation of supports for parts of the body similar to the adjustments of invalid beds;

and in subclass 60 cancel the existing note and substitute:

Note.—For tables and table parts to support the person for therapeutic, X-ray, or other radiant energy ray, and surgical use, see class 128, SURGERY, subclasses 33, 70, and 376 and their indented subclasses; class 250, RADIANT ENERGY, subclass 54 and indented subclasses, and class 311, SUPPORTS, TABLES, subclass 5 and indented subclasses.

In *class 8, Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers* (Division 43), in subclass 2 add the following note:

(4) Note.—See class 250, RADIANT ENERGY, subclass 42 and indented subclasses, for ray energy apparatus and processes, and particularly subclass 84 and notes thereunder, for radiant energy ray generating apparatus, such as X-ray and ultra-violet-ray generating devices;

and in subclass 103 number the existing note (*1*) and add:

(2) Note.—See class 250, RADIANT ENERGY, subclass 42 and indented subclasses, for ray energy apparatus and processes, particularly subclass 84 and notes thereunder, for radiant energy ray generating apparatus, such as X-ray and ultra-violet-ray generating devices.

In *class 16, Miscellaneous Hardware* (Division 20), in subclass 2 number the existing note (*1*) and add:

(2) **Search Class—**
250—RADIANT ENERGY, subclass 76, for face plates and escutcheons provided with fluorescent or phosphorescent material;

in subclass 110 add the following note:

(14) **Search Class—**
250—RADIANT ENERGY, subclass 74, for handles provided with a fluorescent or phosphorescent material;

and in subclass 122 add the following note:

(3) **Search Class—**
250—RADIANT ENERGY, subclass 73, for pendants provided with a fluorescent or phosphorescent material.

In *class 21, Preserving, Disinfecting, and Sterilizing* (Division 63), in the main class definition add the following note:

(13) Note.—For methods and apparatus for subjecting materials to the effects of radiant energy rays, see class 250, RADIANT ENERGY, subclass 42 and indented subclasses; see especially subclasses 43 and indented sub-

classes for fluent material apparatus, and 51 and indented subclasses, for apparatus having means to support an inanimate object.

In *class 23, Chemistry* (Division 59), in subclass 252, add under "Search class":

250—RADIANT ENERGY, subclass 42 and indented subclasses, for methods and apparatus for subjecting materials to the effect or radiant energy rays; see especially subclasses 43 and indented subclasses, for fluent material apparatus, and 51 and indented subclasses, for apparatus having means to support an inanimate object;

and in subclass 272.1 add the following note:

Search Class—
250—RADIANT ENERGY, subclass 44, for methods and apparatus for dissolving radio-active substances in a fluent material.

In *class 32, Dentistry* (Division 55), in the main class definition renumber notes (20) and (21) as (*21*) and (*22*), and add:

(20) Note.—Methods and apparatus for making X-ray examinations and photographs are in class 250, RADIANT ENERGY, appropriate subclasses; note especially subclasses 69 and 70;

and in subclass 22 cancel existing note (4) and substitute:

(4) Note.—See class 250, RADIANT ENERGY, subclasses 91 and 92, for X-ray stands.

In *class 33, Geometrical Instruments* (Division 62), in subclass 46 add under "Search classes":

250—RADIANT ENERGY, subclass 59, for X-ray and other invisible radiant energy ray methods and apparatus for measuring a dimension, and/or locating the position by measuring means, of an object which may be embedded in a body which is opaque to visible light, but translucent to invisible ray energy.

In *class 40, Card, Picture, and Sign Exhibiting* (Division 35), in subclass 134 add the following note:

Note.—For miscellaneous fluorescent and phosphorescent devices and materials, see class 250, RADIANT ENERGY, subclass 71 and the notes thereunder.

In *class 70, Locks* (Division 20), in subclass 393 add the following note:

(6) Note.—For keys provided with a fluorescent or phosphorescent material, see class 250, RADIANT ENERGY, subclass 74;

and in subclass 452 number the existing note (*1*) and add:

(2) Note.—For escutcheons provided with a fluorescent or phosphorescent material, see class 250, RADIANT ENERGY, subclass 76.

In *class 88, Optics* (Division 7), in the main class definition add the following note:

(3) **Search Class—**
250—RADIANT ENERGY, subclass 42 and indented subclasses, for all kinds of methods and apparatus for the production, transmission and general utilization of rays of any type including X-rays, cathode rays, ultra-violet rays, and the radiations and emanations of radio-active substances not limited to particular arts. Instruments and apparatus which are useful with both light within the visible spectrum and invisible ray energy are classified in class 88. To be classified in subclass 42 and indented subclasses of class 250, the apparatus should include some claimed structure which is necessary because of the employment of invisible ray energy in its operation;

in subclass 14 number the existing note (*1*) and add:

(2) Note.—For testing instruments for various purposes utilizing X-ray or other invisible radiant energy rays, see class 250, RADIANT ENERGY, subclass 42 and indented subclasses;

in subclass 16 add the following note:

(4) Note.—See class 250, RADIANT ENERGY, particularly subclasses 60–64 and 65 and indented subclasses, for apparatus limited to ray energy outside of the visible spectrum;

in subclass 22.5 change note (4) to read:

(4) Note.—For devices for measuring the intensity of X-rays and other invisible radiant energy radiations, see class 250, RADIANT ENERGY, subclass 83;

in subclass 23 add the following note:

(3) Note.—For methods and apparatus for measuring the intensity of X-rays and other invisible radiant energy rays, see class 250, RADIANT ENERGY, subclass 83;

and in subclass 29, number the existing note (*1*) and add:

(2) **Search Class—**
250—RADIANT ENERGY, subclasses 60 and 61, for stereoscopic apparatus limited by claimed structure to use with X-ray or other invisible radiant energy ray apparatus.

In *class 95, Photography* (Division 7), in the main class definition, add the following note:

(2) **Search Class—**
250—RADIANT ENERGY, particularly subclasses 60–64 and 65 and indented subclasses, for methods and apparatus for making pictures by the action of X-rays or other invisible radiant energy rays. Cameras and parts thereof which may be used to take photographs by visible light as well as ultra-violet or infra-red rays are in class 95;

in subclass 1.1 add the following note:

Search Class—
250—RADIANT ENERGY, subclass 67, for methods and apparatus for placing marks for identification or other purposes upon the ray sensitive medium, which are limited to use with X-ray or other invisible radiant ray energy;

in subclass 18 add the following note:

Note.—See class 250, RADIANT ENERGY, subclasses 60 and 61, for methods and apparatus for making stereoscopic pictures by means of X-rays or other invisible radiant energy;

in subclass 19 number note (2) as (*3*) and add:

(2) Note.—See class 250, RADIANT ENERGY, subclass 66, for film or plate changers for use with X-ray or other invisible ray apparatus;

in subclass 31, number note (2) as (*3*) and add:

(2) Note.—See class 250, RADIANT ENERGY, subclass 66, for film or plate changers for use with X-ray or other invisible ray apparatus;

in subclass 36, number the existing note (*2*) and add:

(1) Note.—See class 250, RADIANT ENERGY, subclass 66, for film or plate changers for use with X-ray or other invisible ray apparatus;

and in subclass 66 add under "Search class":

250—RADIANT ENERGY, subclass 68 and indented subclasses, for holders or cassettes for plates or films for use with X-ray or other invisible radiant energy ray apparatus.

In *class 99, Foods and Beverages* (Division 63), in subclass 12, in the note cancel reference to subclasses 247 and 248, number the note (*1*) and add:

(2) **Search Class—**
250—RADIANT ENERGY, appropriate subclasses, for apparatus and methods of subjecting materials to the effect of radiant energy rays, such as ultra-violet rays or X-rays, especially subclasses 43 and indented subclasses, for fluent material, and 50 and indented subclasses, for apparatus having means to support an object;

in subclass 217, in note (1) cancel the reference to subclasses 247 and 248 and add the following note:

(4) **Search Class—**
250—RADIANT ENERGY, appropriate subclasses, for apparatus and methods of subjecting materials to the effect of radiant energy rays, such as ultra-violet rays or X-rays, especially subclasses 43 and indented subclasses, for fluent material, and 50 and indented subclasses, for apparatus having means to support an object;

and in subclass 249 cancel present note (1) and substitute:

(1) Note.—For apparatus for subjecting materials to the effects of ultra-violet and similar radiant energy rays, see class 250, RADIANT ENERGY, appropriate subclasses, especially subclasses 43 and 50 and their indented subclasses.

In *class 128, Surgery* (Division 55), in subclass 1.1, change note (3) to read:

(3) Note.—See class 250, RADIANT ENERGY, subclasses 106 and 107, and the search noted thereunder, for other uses of radio-active materials;

in subclass 376 add the following note:

(5) Note.—For tables and other supports for supporting the person or other objects in combination with X-ray or other invisible radiant energy ray apparatus, see class 250, RADIANT ENERGY, subclass 50 and indented subclasses;

in subclass 395 change note (4) to read:

(4) **Search Class—**
250—RADIANT ENERGY, subclass 84 and indented subclasses, and the classes and subclasses noted in the notes thereto, for generators of ultra-violet rays and other invisible radiant energy ray generators;

in subclass 396 change the existing note to read:

Note.—Mercury vapor arc lamps in a casing which is designed for circulating a cooling fluid about the lamp, and which have a window to permit egress of the generated ray, are in class 240, ILLUMINATION, subclass 11.4.

In *class 134, Liquid Coating Compositions* (Division 64), subclass 47 add the following note:

Search Class—
250—RADIANT ENERGY, subclass 71 and indented subclasses, for miscellaneous fluorescent and phosphorescent devices and materials.

In *class 161, Time Controlling Mechanism* (Division 61), in the main class definition add the following note:

Search Class—
250—RADIANT ENERGY, subclass 95, for systems for energizing X-ray generators in combination with time-controlling mechanism.

In *class 167, Medicines, Poisons and Cosmetics* (Division 43), cancel the existing definition and note of subclass 51 and substitute therefor the following:

51. Medicinal compositions containing radio-active substances. This subclass includes processes for preparing radio-active medicines not elsewhere classified. Radio-active water and its preparation are here.

(1) Note.—For the preparation of radio-active substances, see class 23, CHEMISTRY, subclass 15 and indented subclasses.

(2) **Search Class—**
250—RADIANT ENERGY, subclasses 44, for apparatus and methods for subjecting fluent material to the effects of radio-active substances; 51 and indented subclasses, for apparatus including means to support an article in position to be subjected to radio-active emanations, and 107, for radio-active compositions;

and in subclass 95 change the note to read:

Note.—See class 250, RADIANT ENERGY, subclass 108, for X-ray opaque devices and materials.

In *class 176, Electric Lamps* (Division 54), change the first paragraph of the class definition to read:

This class includes (1) devices for illuminating by electricity, including generators of visible and invisible radiations, such as ultra-violet ray generators; (2) apparatus and methods exclusively adapted for making and repairing electric lamps or parts thereof; (3) distributing systems when limited to be used with electric lamps, except as noted in the definition of subclass 8 of this class;

in note (3) to the main class definition add:

250—RADIANT ENERGY, subclasses 27.5, for miscellaneous electric discharge devices, and 84 and indented subclasses, and the classes and subclasses noted in the notes to the definition thereof, for X-ray and other invisible ray generators in combination with ray distributing means, or ray generator protecting means, or ray generator supporting means;

in subclass 2 add under "Search classes":

250—RADIANT ENERGY, subclass 27.5, for methods and apparatus for evacuating or charging with gas or vapor miscellaneous electric discharge devices;

in subclass 3 add under "Search class":

250—RADIANT ENERGY, subclass 27.5, for apparatus used in the manufacture and repair of electric discharge devices;

in subclass 7, number the existing note (*1*) and add:

(2) Note.—For methods of manufacture and repair of electric discharge devices, and parts thereof, search class 250, RADIANT ENERGY, subclass 27.5;

in subclass 8 add under "Search classes":

250—RADIANT ENERGY, subclass 93 and indented subclasses, for electrical systems for supplying current to X-ray generators;

and in subclass 125 cancel existing note (2) and substitute:

(2) **Search Class—**
250—RADIANT ENERGY, subclass 96, for electrical systems for regulating the gas pressure in X-ray generators.

In *class 178, Telegraphy* (Division 16), in the main class definition in note (2) change the second sentence to read:

For photo-electric cells, see class 250, RADIANT ENERGY, subclass 165;

and in subclass 7.7, number the existing note (*1*) and add:

(2) **Search Class—**
250—RADIANT ENERGY, subclass 141 and indented subclasses, for electric discharge devices of the cathode ray type; note especially subclasses 153 and 156 and indented subclasses.

In *class 200, Electricity, Circuit Makers and Breakers* (Division 37), in subclass 166 number the existing note (*1*) and add:

(2) **Search Class—**
250—RADIANT ENERGY, subclass 74, for switch handles and keys provided with a fluorescent or phosphorescent material; subclass 75, for push-buttons provided with fluorescent or phosphorescent material; and subclass 76, for face plates provided with fluorescent or phosphorescent material.

In *class 206, Special Receptacles and Packages* (Division 40), in subclass 62 add the following note:

Search Class—
250—RADIANT ENERGY, subclass 68 and indented subclasses, for packages or cassettes for X-ray films or plates.

In *class 209, Classifying, Separating and Assorting Solids* (Division 25), in subclass 111 add the following note:

Search Class—
250—RADIANT ENERGY, subclass 42 and indented subclasses, especially subclass 50 and indented subclasses, for methods and apparatus for subjecting objects to the effects of radiant energy rays.

In *class 240, Illumination* (Division 30), change the first paragraph of the class definition to read:

This class is limited to illumination by artificial light. It includes lighting systems, the protection and support of light sources or generators, and the distribution of light therefrom for illumination. Patents disclosing the light source as a generator of ultra-violet rays, where no means special to the generation, reflection or transmission of wave energy outside the visible spectrum are claimed are included. The mere naming of the ray generator as an ultra-violet ray generator in the claims is insufficient to exclude the patent from this class. It does not include the light source or generator per se, but does include the combination of a light source with a protector, support or distributor;

in subclass 2.11 add the following note:

Search Class—
250—RADIANT ENERGY, subclass 72, for indicating instruments provided with fluorescent or phosphorescent material;

in subclass 2.25 cancel the existing definition and note and substitute therefor the following:

2.25. Illuminating devices in combination with a fluorescent or phosphorescent material.

Search Class—
250—RADIANT ENERGY, subclasses 71 and indented subclasses, for miscellaneous articles having applied thereto a fluorescent or phosphorescent material, and 81 and 82 for fluorescent and phosphorescent material;

in subclass 11 add the following note:

Search Class—
250—RADIANT ENERGY, subclass 86 for the combination of generators of invisible radiant ray energy in combination with a filter, and subclass 88 and indented subclasses, for X-ray and other generators of invisible ray energy in combination with a reflector or casing.

In *class 247, Electrical Conduits and Housings* (Division 52), in the main class definition add under "Search classes":

250—RADIANT ENERGY, subclass 88 and indented subclasses, for X-ray and other radiant ray generators in combination with a casing or housing;

and in subclass 23 add the following note:

Search Class—
250—RADIANT ENERGY, subclass 76, for face plates provided with fluorescent or phosphorescent materials.

In *class 248, Supports* (Division 52), in the main class definition change note (9) to read:

(9) Note.—The line between this class and classes 67, ILLUMINATING BURNERS, 176, ELECTRIC LAMPS, 240, ILLUMINATION, and 250, RADIANT ENERGY, subclasses 91 and 92, is as follows:

Class 240 takes any combination of a support with significant structure of the light distributing means, or the combination of the light distributing and generating means.

Class 250, subclasses 91 and 92, takes any combination of a support with significant structure of means to generate ray energy outside of the visible spectrum, such as X-ray generators. The mere supporting structure goes to class 248 and such supporting structure may include conduits for fuel or energy and mere cut-offs therefor. Supporting structures limited to use with lighting devices are in class 240. Supports for a light generating device are in class 248 unless a significant structure of the light generator is claimed, in which case it goes to class 67

or 176. The mere naming of a light as the thing supported will not operate to take the case out of class 248. If the support is in itself an essential part of the lamp, such as are many lamp bases, it remains in the art class.

For the line between the illuminating devices of class 240 combined with a support, and the radiant energy ray generators of class 250 combined with a support, see the notes to subclass 84 of class 250, Radiant Energy;

in subclass 121 add the following note:

Search Class—
250—RADIANT ENERGY, subclass 92, for stands with brackets in combination with radiant energy ray generating devices.

In *class 251, Valves* (Division 39), in subclass 150 number the existing note (*1*) and add:

(2) **Search Class—**
250—RADIANT ENERGY, subclass 74, for handles provided with fluorescent or phosphorescent material.

In *class 257, Heat Exchange* (Division 32), in the main class definition in note (2) under "Search classes" add:

250—RADIANT ENERGY, subclass 47, for apparatus for subjecting fluent material to the effects of radiant ray energy having means to heat and/or cool the fluent material; subclass 89 for radiant energy ray generators in combination with a casing or reflector and provided with heat exchange means, and subclasses 27.5 and indented subclasses and 143, for X-ray and other electric discharge device structures provided with heat exchange means.

In *class 259, Agitating* (Division 32), in the main class definition in note (6) add under "Search classes":

250—RADIANT ENERGY, subclass 46, for apparatus for subjecting fluent material to the action of radiant ray energy having agitation means for the fluent material.

In *class 260, Chemistry, Carbon Compounds* (Division 6), in subclasses 422 and 661 add the following note:

Note.—For methods and apparatus for subjecting materials and objects to the effects of radiant energy, see class 250, RADIANT ENERGY, subclass 42 and indented subclasses, especially subclasses 43 and 50 and their indented subclasses;

and in subclass 697 number the existing note (*1*) and add:

(2) Note.—For methods and apparatus for subjecting materials and objects to the effects of radiant energy, see class 250, RADIANT ENERGY, subclass 42 and indented subclasses, especially subclasses 43 and 50 and their indented subclasses.

In *class 292, Closure Fasteners* (Division 20), in subclass 347 add the following note:

(3) **Search Class—**
250—RADIANT ENERGY, subclass 74, for knobs provided with fluorescent or phosphorescent material.

In *class 311, Supports, Tables* (Division 29), in the main class definition in note (10) change "250, Radiant Energy, subclass 34", to read *250, Radiant Energy, subclass 54 and indented subclasses*; in subclass 10 change note (3) to read:

(3) Note.—See class 250, RADIANT ENERGY, subclass 54 and indented subclasses, for X-ray or other radiant energy ray tables;

and in subclass 38 add the following note:

Search Class—
250—RADIANT ENERGY, subclass 55 and indented subclasses, for tiltable X-ray and other radiant energy ray tables.

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 8, 1938

[VOL. 496. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 408,261. BRICKNER & BERNFELD, INC., New York, N. Y. Filed July 7, 1938.



No claim is made to the words "Trade Mark" or to the words "Best Black" except as part of the mark as shown.

For Fur Skins.

Claims use since Feb. 15, 1937.

Ser. No. 408,262. BRICKNER & BERNFELD, INC., New York, N. Y. Filed July 7, 1938.



No claim is made to the words "Trade Mark" or to the words "French", "Seal-Dyed Coney", and "Product" except as part of the mark as shown.

For Fur Skins.

Claims use since Feb. 15, 1937.

Ser. No. 408,263. BRICKNER & BERNFELD, INC., New York, N. Y. Filed July 7, 1938.



No claim is made to the words "Trade Mark" or to the words "Light Weight", "Seal-Dyed Coney", and "Product" except as part of the mark shown.

For Fur Skins.

Claims use since Feb. 15, 1937.

Ser. No. 410,836. GOTTESMAN AND COMPANY, INCORPORATED, New York, N. Y. Filed Sept. 21, 1938.

SUPERCELL

For Wood Pulp.

Claims use since Aug. 31, 1938.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 405,146. THE WHITE FOX CO., New York, N. Y. Filed Apr. 11, 1938.

WHITE FOX Polish THE WHITE FOX CO. • BROOKLYN, N. Y.

The words "Polish", "Made By", and "Brooklyn, N. Y." are disclaimed apart from the mark.

For Polishes in Solid, Liquid, and Paste Forms for Metals and Glass.

Claims use since Mar. 7, 1938.

Ser. No. 407,360. CARDINAL LABORATORIES, INC., Chicago, Ill. Filed June 11, 1938.

RITE-WAY

For Rug and Carpet Cleaner, Spot Remover, Upholstery Cleaner, Hat Cleaner and Dressing, Dry Cleaner, Suede Dressing, Shoe Cream, Leather and Saddle Soap, French Cream, Shoe Cleaner, Neatsfoot Oil, French Shoe Dressing, Porcelain and Enamel Cleaner, Glass Cleaner and Polish, Wall Paper Cleaner, Toilet Bowl Cleaner, and General Detergent.

Claims use since Mar. 15, 1938.

Ser. No. 409,330. PYNOSOL LABORATORIES, INC., Chicago, Ill. Filed Aug. 6, 1938.

ALUMIN-NU

For Cleaning and Polishing Preparation for All Metals.

Claims use since June 1, 1934.

Ser. No. 409,988. MAX BECK, doing business as Metal Wonder Co., New York, N. Y. Filed Aug. 26, 1938.

METAL WONDER MW

The word "Metal" is disclaimed apart from the mark.

For Preparation for Cleaning and Polishing Brass, Bronze, Copper, Chrome, Nickel, Porcelain, Enamelware, Tile, Marble, and the Like.

Claims use since June 1, 1938.

Ser. No. 410,572. THE PROCTER & GAMBLE COMPANY, doing business as The Globe Soap Company, Cincinnati, Ohio. Filed Sept. 13, 1938.

Downy

For Soap Flakes.

Claims use since Aug. 10, 1938.

Ser. No. 410,573. THE PROCTER & GAMBLE COMPANY, doing business as The Globe Soap Company, Cincinnati, Ohio. Filed Sept. 13, 1938.

THRILL

For Granulated Soap.

Claims use since 1934.

Ser. No. 410,701. NU-PRO MANUFACTURING CO., St. Louis, Mo. Filed Sept. 17, 1938.

WETSOL

For Liquid Cleaner for Fabrics.

Claims use since Feb. 12, 1938.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 387,719. BERTHA WETZEL, New York, N. Y. Filed Jan. 12, 1937.

HORMONA - DOUBLE U -

For Cream or Liquid to be Externally Applied as a Cosmetic.

Claims use since January, 1932.

Ser. No. 397,187. DERMETICS, INC., Seattle, Wash. Filed Sept. 7, 1937.

RUDDYTONE

For Toilet Preparations—viz., an Oil Skin Tonic Having Incidental Skin Nerve Stimulating and Antiseptic Properties.

Claims use since June 15, 1937.

Ser. No. 401,738. GERARD BROTHERS LIMITED, Nottingham, England. Filed Jan. 10, 1938.

INO

For Toilet Preparations—Namely, Talcum Powder and Perfume.

Claims use since 1919.

Ser. No. 404,035. DERMETICS, INC., Seattle, Wash. Filed Mar. 14, 1938.

Mist Charm OF THE REDWOODS

For Toilet Preparations—viz., a Deodorant Having Incidental Germicidal and Antiseptic Properties.

Claims use since Nov. 15, 1937.

Ser. No. 404,101. OLIVE RICHARDS, doing business as Tiptex Co., Beverly Hills, Calif. Filed Mar. 14, 1938.

TIPTEX

For Solution for the Treatment and Prevention of Split Finger Nails.

Claims use since Jan. 6, 1938.

Ser. No. 404,106. ANTHONY ARAU, Worcester, Mass. Filed Mar. 16, 1938.

Lithium-Lacto POTASSIUM AND SODIUM Compound L-A

No claim is made to the words "Lithium-Lacto Potassium and Sodium Compound" apart from the mark.

For Compound for Arthritis, Neuritis, Arthritic and Rheumatoid Disorders, and Rheumatism.

Claims use since Feb. 1, 1929.

Ser. No. 405,167. FREDERIC G. LICHTI, doing business as Duchess Company, unincorporated, Pittsburgh, Pa. Filed Apr. 12, 1938.

HEAL-O

The word "Heal" is disclaimed apart from the mark.

For Shampoo and Hair Treating Solutions and Oils.

Claims use since January, 1928.

Ser. No. 407,695. SPEAR & SUSSKIND, Providence, R. I. Filed June 20, 1938.

WORLD'S FAIR

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid and Solid Forms, Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Hand Lotions, Skin Lotions, After-Shaving Lotions, Pomades, Face Powders, Talcum Powder, Body Powder, Chemical Preparations Suitable for the Darkening of Eyelashes and Eyebrows, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lipsticks, Incense, Tooth Paste, Mouth Washes, Dentifrices, Depilatories, Tooth Powder, Nail Powder, Nail Creams, Nail Polishes, Nail Bleaches, Witch Hazel Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Bay Rum, Perfumes and Toilet Waters, Perfumed Nail Polish, and Bath Oil.

Claims use since July, 1936.

Ser. No. 407,769. GEORGE SMALES, JR., Martins Ferry, Ohio. Filed June 22, 1938.

SMALES'

SMALES OINTMENT

No claim is made to the word "Ointment" apart from the mark.

For Medicinal Ointment for External Application in the Treating of Major Burns, Cuts, Bruises, Boils, Poisonous Bites, Aged Sores, and External Skin Infections.

Claims use since Sept. 1, 1937.

Ser. No. 408,286. MELVIN E. PAGE, doing business as the Dental Research Company, Muskegon, Mich. Filed July 7, 1938.

Ce kel

For Dehydrated Sea Kelp in Either Powdered Form as a Seasoning for Health Foods or in Tablets and Capsules as a Health Builder.

Claims use since Nov. 10, 1937.

Ser. No. 408,561. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif. Filed July 16, 1938.

BUG-GETA

For Insecticides and Germicides.
Claims use since June 13, 1938.

Ser. No. 409,667. AIDWAY PRODUCTS CO., Wilson, N. C. Filed Aug. 17, 1938.

Aidway

For Preparation for Coughs and Minor Bronchial Irritations and Headaches.
Claims use since April, 1938.

Ser. No. 409,687. VINCENT GRIMALDI, doing business as L-T-Feet Co., Utica, N. Y. Filed Aug. 17, 1938.

ORIGINAL
L-T-FEET
(Healthy Feet)
GENUINE
L-T-FEET

The words "Original", "Healthy Feet", "Genuine", and "Feet" are disclaimed apart from the mark.
For Cooling and Soothing Liquid Medicinal Preparation Used for the Purpose of Treating Athlete's Foot (Ringworm), and for the Relief of Itching, Blistering Feet, and the Cracking of the Skin of the Feet and Offensive Odors Caused Thereby.
Claims use since May, 1938.

Ser. No. 409,717. TRULY-J PRODUCTS CO., New York, N. Y. Filed Aug. 17, 1938.

TRULY J

D-X

For Hair Oil.
Claims use since June 1, 1937.

Ser. No. 409,735. HOFFMANN-LA ROCHE, INC., Nutley, N. J. Filed Aug. 18, 1938.

SYNTROGEL

For Medicinal Preparation for Use in the Treatment of Gastric Hyperacidity and Peptic and Duodenal Ulcers.
Claims use since June 22, 1938.

Ser. No. 409,741. WILLIAM H. PEABODY, Detroit, Mich. Filed Aug. 18, 1938.

"PILESS"

For Ointment for Treatment of Piles.
Claims use since June 15, 1938.

Ser. No. 409,821. THE REVLON NAIL ENAMEL CORPORATION, New York, N. Y. Filed Aug. 20, 1938.

JUELTONE

For Enamel Adapted for Coating Finger Nails.
Claims use since Aug. 1, 1938.

Ser. No. 409,834. W. N. BARRY, Newberry, Fla. Filed Aug. 22, 1938.

The mark is a facsimile of applicant's signature.
For Preparation Used as a Screw Worm Killer and Fly Repellent.
Claims use since April, 1936.

Ser. No. 409,968. THE ANDREW JERGENS COMPANY, Cincinnati, Ohio. Filed Aug. 25, 1938.

BIAMIN

For Blend of Vitamins A and D.
Claims use since July 26, 1938.

Ser. No. 410,041. MCKESSON & ROBBINS, INCORPORATED, Bridgeport and Fairfield, Conn. Filed Aug. 27, 1938.

Biomin

For Medicinal Preparations Used Internally in Treatment of Diseases Due to Deficiency in Diet.
Claims use since July 1, 1937.

Ser. No. 410,415. TRIMBLE & LUTZ SUPPLY CO., doing business as Tri-Lutz Chemical Co., Wheeling, W. Va. Filed Sept. 9, 1938.

NEMO

For Bath Salts, Shampoo, Disinfectants, and Insecticides.
Claims use since Aug. 31, 1938.

Ser. No. 410,451. CON-NOL CO., Durham, Conn. Filed Sept. 12, 1938.

CON-NOL

For Preparation for Restoring Hair.
Claims use since June, 1938.

Ser. No. 410,485. ROCHE-ORGANON, INC., Nutley, N. J. Filed Sept. 12, 1938.

KOLPON

For Medicinal Preparation for Use in the Treatment of Disorders of the Vagina and of the Vulva.
Claims use since June 30, 1938.

Ser. No. 410,569. OSBON AND OSBON CHEMICAL COMPANY, Laurel, Md. Filed Sept. 1, 1938.

O AND O



The portrait is that of J. R. Osbon, deceased.
For Cough Mixture.
Claims use since Jan. 15, 1910.

Ser. No. 410,577. BEMAX LABORATORIES, INC., New York, N. Y. Filed Sept. 15, 1938.

EVITOL

For Medicinal Preparation for Stimulating Fertility in Females.
Claims use since Aug. 22, 1938.

Ser. No. 410,587. ALCAN HIRSCH, doing business as Cosmetic Enterprises, New Rochelle, N. Y. Filed Sept. 15, 1938.

QUEBELLE

For Hair Dressing in Liquid Form.
Claims use since Aug. 1, 1938.

Ser. No. 410,970. SAVOLITE, INC., New York, N. Y. Filed Sept. 24, 1938.

SAVOLITE

For Preparation for Treating and Beautifying the Hair.
Claims use since March, 1938.

Ser. No. 411,107. SOCIÉTÉ DES PARFUMS SCHIAPARELLI (SOCIÉTÉ ANONYME), Paris, France. Filed Sept. 29, 1938.

SLEEPING

For Perfumes, Toilet Waters, Rouge, Lipstick, Face Creams, Powders.
Claims use since July 21, 1938.

Ser. No. 411,133. THE OCÉ MEDICINE COMPANY, INC., New York, N. Y. Filed Sept. 30, 1938.

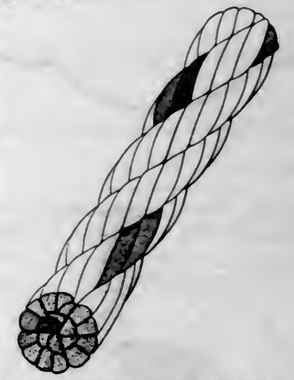
PINKOVELS

For Preparations Indicated in and for the Treatment of Headaches, Neuralgias, Coughs, Colds, Grippe, Muscular Aches and Pains, Fever, as a Gargle for the Relief of Minor Throat Irritations, and All Such Other Related Human Ailments and Pathological Conditions in or for the Treatment of Which It May Be Necessary or Advisable to Administer Analgesics, Anodynes, and Antipyretics.
Claims use since Aug. 30, 1938.

CLASS 7

Cordage

Ser. No. 396,059. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Aug. 5, 1937.



The trade-mark consists of a blue and brown yarn placed side by side in one strand of the goods. Applicant disclaims the representation of the goods per se.
For Rope Twisted or Woven from Fibrous Material.
Claims use since Nov. 1, 1936.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 411,103. NATHAN ROSENBLUM & CO., Sharon, Pa. Filed Sept. 29, 1938.

Golden Dawn

For Matches.
Claims use since Aug. 4, 1938.

CLASS 10

Fertilizers

Ser. No. 410,457. JAMES DRYDEN POULTRY BREEDING FARM, LTD., Modesto, Calif. Filed Sept. 12, 1938.

CHICKILIZER--

For Fertilizers, Mulch, and Top Dressing for Lawns and Gardens.
Claims use since Aug. 11, 1938.

CLASS 12

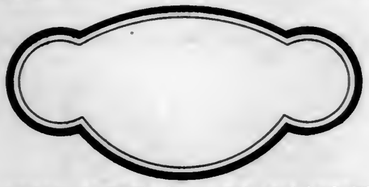
Construction Materials

Ser. No. 392,174. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed May 1, 1937.

JUNIOR BATS

The word "Bats" is disclaimed apart from the mark.
For Mineral and Glass Wool for the Low Temperature Insulation of Buildings.
Claims use since January, 1936.

Ser. No. 405,421. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif. Filed Apr. 18, 1938.



For Asphalt, Asphaltic Compounds, and Asphaltic Pipe Coatings.
Claims use since July 1, 1936.

Ser. No. 409,280. NORTH AMERICAN REFRACTORIES COMPANY, Cleveland, Ohio. Filed Aug. 5, 1938.



For Refractories.
Claims use since October, 1937.

Ser. No. 410,172. THE DECO-BOARD CORPORATION, Parkersburg, W. Va. Filed Sept. 1, 1938.

DB

For Corrugated Wall Board.
Claims use since June, 1938.

Ser. No. 410,370. NUKEM PRODUCTS CORPORATION, Buffalo, N. Y. Filed Sept. 8, 1938.

Plasul

For Acid-Proof Cement for Structural Purposes.
Claims use since Aug. 23, 1938

Ser. No. 410,401. MAPLE FLOORING MANUFACTURERS ASSOCIATION, Chicago, Ill. Filed Sept. 9, 1938. Under act of Feb. 20, 1905, as amended June 10, 1938.

MFMA

For Lumber.
Claims use since July 1, 1916.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 406,785. THE SUPERIOR SHEET STEEL COMPANY, Canton, Ohio. Filed May 26, 1938.



The word "Coat" is disclaimed except as shown.
For Galvanized Sheets.
Claims use since Apr. 23, 1938.

Ser. No. 406,786. THE SUPERIOR SHEET STEEL COMPANY, Canton, Ohio. Filed May 26, 1938.



The word "Coat" is disclaimed except as shown.
For Galvanized Sheets.
Claims use since Apr. 23, 1938.

Ser. No. 410,720. COLUMBIA TOOL STEEL COMPANY, Chicago Heights, Ill. Filed Sept. 19, 1938.

EXL-DIE

The word "Die" is disclaimed except as shown.
For Tool Steel.
Claims use since Nov. 7, 1935.

CLASS 15

Oils and Greases

Ser. No. 410,148. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Aug. 31, 1938.

PENN VITA

Applicant disclaims the word "Penn" apart from the mark.
For Motor Oil.
Claims use since Dec. 3, 1936.

CLASS 16

Paints and Painters' Materials

Ser. No. 407,474. J. W. SPENCER, doing business as Woodburn Spencer & Co., New Orleans, La. Filed June 14, 1938.

NEOWAX

For Floor Wax.
Claims use since Feb. 15, 1931.

CLASS 17

Tobacco Products

Ser. No. 410,612. SCOTTEN DILLON COMPANY, Detroit, Mich. Filed Sept. 15, 1938.

"His"

For Cigarettes.
Claims use since Aug. 29, 1938.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 404,873. TRIUMPH ENGINEERING COMPANY LIMITED, Coventry, England. Filed Apr. 4, 1938.

Triumph

For Motor Cycles and Sidecars Therefor, and Structural Parts Thereof.
Claims use since Feb. 1, 1906.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 403,118. DICTOGRAPH PRODUCTS COMPANY, INC., New York, N. Y. Filed Feb. 17, 1938.

DOORMASTER

For Interior Telephone Systems.
Claims use since Dec. 29, 1937.

Ser. No. 408,139. YANKEE METAL PRODUCTS CORP., Norwalk, Conn. Filed July 1, 1938.

TURN-MASTER

No claim is made to the syllable "Turn" apart from the mark.
For Vehicle Electric Directional Signals.
Claims use since June 23, 1938.

Ser. No. 409,337. YANKEE METAL PRODUCTS CORP., Norwalk, Conn. Filed Aug. 6, 1938.



For Vehicle Electric Directional Signals, Vehicle Electric Lamps and Lights, and Replacement Parts for Said Named Goods.
Claims use since 1922.

Ser. No. 410,027. ARCHIE B. GIBSON, doing business as Gibson Electric Company, Pittsburgh, Pa. Filed Aug. 27, 1938.

Gibsiloy
ELECTRICAL CONTACTS

The words "Electrical Contacts" are disclaimed apart from the mark.
For Electrical Contacts Cut from Sheets, Etc., Which Are Processed from Sintered Powdered Materials.
Claims use since July 1, 1938.

Ser. No. 410,419. NATIONAL CARBON COMPANY, INC., New York, N. Y. Filed Sept. 9, 1938.

HITEX

For Arc Lamps and Carbons for Arc Lamps.
Claims use since Feb. 25, 1938.

Ser. No. 410,421. NATIONAL CARBON COMPANY, INC., New York, N. Y. Filed Sept. 9, 1938.

ULTREX

For Arc Lamps and Carbons Therefor.
Claims use since Feb. 25, 1938.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 398,720. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Oct. 20, 1937.

BOBRITE

For Floats for Fishing Tackle.
Claims use since Oct. 8, 1937.

Ser. No. 404,397. MAX BORDEN, doing business as Jaymar Specialty Company, Brooklyn, N. Y. Filed Mar. 23, 1938.

JAYMAR TOT TOY

The words "Tot Toy" are disclaimed apart from the mark.
For Pop Gun and Target Game.
Claims use since Feb. 1, 1938.

Ser. No. 406,315. GEORGE WENNEIS, Grantwood, N. J. Filed May 13, 1938.

RUMBOLA

For Board Game Played with Movable Pieces.
Claims use since October, 1936.

Ser. No. 408,986. A. JOHN BITTSON, New York, N. Y. Filed July 28, 1938.

HE-MAN GUN

No claim is made to the word "Gun" apart from the mark.
For Toy Guns.
Claims use since Mar. 1, 1938.

Ser. No. 410,988. COMET MODEL AIRPLANE & SUPPLY COMPANY, INCORPORATED, Chicago, Ill. Filed Sept. 26, 1938.

COMET

For Construction Kits Containing Materials and Plans for Model Airplanes, Gliders, and Boats.
Claims use since June 1, 1929.

Ser. No. 411,069. WILLIAM SCHMIDT, Fairfield, Conn. Filed Sept. 28, 1938.

SKILO

For Gaming and Contest Devices Including Game Boards of the Lotto Variety.
Claims use since Sept. 9, 1938.

Ser. No. 411,158. EATON & DELLER LINES LIMITED, London, England. Filed Oct. 1, 1938.

COBRA



For Fishing Line.
Claims use since Mar. 1, 1938.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 408,585. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif. Filed July 16, 1938.

FERITEX

For Internal Combustion Engines and Cylinder Liners, Pistons, Cam Shafts, Tappets, Valves, Engine Blocks, Gears, Connecting Rods, Bushings, Steering Knuckles, Valve Guides, Knuckle Pins, Oil Collars, Wrist Pins, Gear Shafts.
Claims use since May 26, 1938.

Ser. No. 409,169. OIL WELL SUPPLY COMPANY, Dallas, Tex. Filed Aug. 2, 1938.

HI-HARD

No claim is made to the word "Hard" apart from the mark.
For Piston Rods.
Claims use since Apr. 11, 1938.

Ser. No. 410,391. THE EXHIBIT SUPPLY COMPANY, Chicago, Ill. Filed Sept. 9, 1938.

CIG-O-MATIC

For Automatic Cigarette Vending Machines.
Claims use since Jan. 10, 1938.

Ser. No. 410,430. GILLETTE SAFETY RAZOR COMPANY, Boston, Mass. Filed Sept. 10, 1938.

DEPILEX-RAZOR

The word "Razor" is disclaimed except as part of the mark.
For Safety Razors and Safety Razor Blades.
Claims use since Sept. 6, 1938.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 407,772. SYNCHRO-LOCK, INC., Boston, Mass. Filed June 22, 1938.

SYNCHRO LOCK

The word "Lock" is disclaimed apart from the mark.
For Apparatus Including a Meter, a Switch, and Necessary Wiring, for Use in Effecting the Synchronization of a Plurality of Internal Combustion Engines.
Claims use since Jan. 22, 1938.

Ser. No. 408,539. GEORGE W. GRIST, Chicago, Ill. Filed July 15, 1938.

TRAFIK-I

For Device for Obtaining Objective Evidence from a Moving Vehicle Comprising a Forwardly Facing Camera Adapted for Mounting on the Front Portion of a Self-Propelled Road Vehicle and Adapted for Taking a Picture of a Rearwardly Facing Speed Indicator While Vehicle is in Motion.
Claims use since Apr. 15, 1938.

Ser. No. 410,326. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y. Filed Sept. 7, 1938.

TARGET

For Photographic Cameras.
Claims use since Dec. 1, 1932.

Ser. No. 410,442. PATTERSON O. STEWART, doing business as Electro Products Company, New York, N. Y. Filed Sept. 10, 1938.

MOTOR PEAKER

For Vacuum Gauges for Automobiles and Automotive Testing Equipment.
Claims use since Aug. 31, 1938.

CLASS 27

Horological Instruments

Ser. No. 405,967. OSTBYE & ANDERSON, Minneapolis, Minn. Filed May 3, 1938.

HAMLIN

No claim is made to the word "Hamlin" apart from the mark.
For Wrist Watches and Pocket Watches and Parts Thereof.
Claims use since Mar. 1, 1937.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 409,368. A. G. SCHWAB & SONS, INC., Cincinnati, Ohio. Filed Aug. 8, 1938.

Loyalty

For Diamond Rings, Jewelry for Personal Wear, Not Including Watches, and Diamonds, Mounted and Unmounted.
Claims use since July 27, 1938.

Ser. No. 409,716. TRABERT & HOEFFER INC., New York, N. Y. Filed Aug. 17, 1938.

STAR of BENGAL

No claim is made to the word "Bengal" apart from the mark.
For Rubies and Precious Stones.
Claims use since July 14, 1938.

CLASS 30

Crockery, Earthenware, and Porcelain

Ser. No. 400,210. SHAWNEE POTTERY COMPANY, Zanesville, Ohio. Filed Nov. 27, 1937.

SHAWNEE POTTERY COMPANY

No claim is made to the words "Shawnee Pottery Company" apart from the mark. The portrait is fanciful.
For Pottery Table, Kitchen, and Household Hollow Ware.
Claims use since Oct. 11, 1937.

CLASS 31

Filters and Refrigerators

Ser. No. 410,488. SHERER-GILLETT COMPANY, Marshall, Mich. Filed Sept. 12, 1938.

VEGETAIRE

For Refrigerated Display Cases and Produce Cases Employed for Displaying Fruits, Vegetables, and Other Perishable Products and Display Equipment for Food Stores and the Like.
Claims use since May 13, 1937.

CLASS 32

Furniture and Upholstery

Ser. No. 408,340. COMPANY OF MASTER CRAFTSMEN, INC., Flushing, N. Y. Filed July 9, 1938.

THE COMPANY OF PERMO-WELD MASTER CRAFTSMEN

For Beds, Bureaus, Chests, Dressing Tables, Vanities, Night Tables, Living Room Desks, Commodes, Cabinets,

Telephone Tables and Stands, Bookcases (All Kinds), Occasional Living Room Tables, China Cabinets, Servers, Tables, Chairs, Sideboards, Hanging Wall Shelves, Modern Sofas, Radio Cabinets, Highboys, Lowboys, Office Desks, Secretary Desks, Console Tables, Coffee Tables, Plant Stands, Card Tables, Chiffoniers.
Claims use since May 28, 1938.

Ser. No. 410,690. BENARD L. ERSTEIN, Grand Rapids, Mich. Filed Sept. 17, 1938.

GUARANTEED BLEGRM CONSTRUCTION

No claim is made to the words "Guaranteed Construction" apart from the mark.
For Upholstered Chairs, Upholstered Davenports, Upholstered Ottomans, and other Upholstered Furniture.
Claims use since Sept. 1, 1927.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 404,327. RICH SIGNS CORPORATION, Wichita, Kans., assignor to Horace N. Carver, Wichita, Kans. Filed Mar. 21, 1938.

MIRO-FLARE

The term "Flare" is disclaimed apart from the mark.
For Portable Reflecting Road Safety Signals of the Type Commonly Known as Road Flares.
Claims use since Feb. 2, 1938.

Ser. No. 410,860. CALORIDER CORPORATION, Old Greenwich, Conn. Filed Sept. 22, 1938.

DRYSAVER

For Dehumidifiers.
Claims use since Aug. 30, 1938.

CLASS 35

Belting, Hose, Machinery Packing, and Nonmetallic Tires

Ser. No. 411,214. CORDUROY RUBBER COMPANY, Grand Rapids, Mich. Filed Oct. 3, 1938.

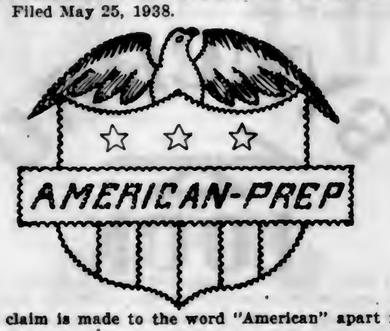
UNIVERSAL

For Rubber Tires.
Claims use since February, 1926.

CLASS 36

Musical Instruments and Supplies

Ser. No. 406,710. WILLIAM FRANK COMPANY, Chicago, Ill. Filed May 25, 1938.



No claim is made to the word "American" apart from the mark.
For Musical Instruments Consisting of Cornets, Trumpets, Fluegel Horns, Trombones, Alto Horns, French Horns, Mellophones, Baritone Horns, Bass Horns, Sousaphones, Bugles, Saxophones and Clarinets.
Claims use since Feb. 14, 1934.

CLASS 38

Prints and Publications

Ser. No. 391,524. FAWCETT PUBLICATIONS, INC., Greenwich, Conn. Filed Apr. 19, 1937.

NEWS ODDITIES . . by FAWCETT

The name "Fawcett" is disclaimed apart from the mark.
For Cartoon Published from Time to Time.
Claims use since Apr. 5, 1937.

Ser. No. 398,528. DETECTIVE STORIES PUBLISHING CO., Chicago, Ill. Filed Oct. 15, 1937.

Actual
DETECTIVE
Stories of WOMEN IN CRIME

For Magazine.
Claims use since Sept. 15, 1937.

Ser. No. 406,071. STANDARD STATIONS, INC., Wilmington, Del., and San Francisco, Calif. Filed May 6, 1938.



For Periodical Publication.
Claims use since March, 1932.

Ser. No. 406,072. STANDARD STATIONS, INC., Wilmington, Del., and San Francisco, Calif. Filed May 6, 1938.

STANDARD
CHEVRON

For Periodical Publication.
Claims use since March, 1932.

Ser. No. 409,864. DAILY MIRROR, INC., New York, N. Y. Filed Aug. 23, 1938.

Headlines | MIRROR OF THE DAY'S NEWS

For Newspaper Section.
Claims use since Feb. 4, 1938.

Ser. No. 409,866. DAILY MIRROR, INC., New York, N. Y. Filed Aug. 23, 1938.

ONLY HUMAN by CANDIDE

For Newspaper Section.
Claims use since Aug. 16, 1937.

Ser. No. 409,867. DAILY MIRROR, INC., New York, N. Y. Filed Aug. 23, 1938.

Recommended by Joan

For Newspaper Section.
Claims use since July 26, 1936.

Ser. No. 409,868. DAILY MIRROR, INC., New York, N. Y. Filed Aug. 23, 1938.

Smart Set
By Barclay Beekman

The words "Barclay Beekman" are disclaimed apart from the mark.
For Newspaper Section.
Claims use since Dec. 6, 1934.

Ser. No. 409,869. DAILY MIRROR, INC., New York, N. Y. Filed Aug. 23, 1938.

TONY MAYFAIR

For Newspaper Section.
Claims use since Nov. 26, 1934.

Ser. No. 410,019. IRA BRODY, New York, N. Y. Filed Aug. 27, 1938.

CAID-O-SCOPE

For Football Game Result Predicting Device.
Claims use since April, 1938.

Ser. No. 410,150. THE STUDIO PUBLICATIONS, INC., New York, N. Y. Filed Aug. 31, 1938.

MODERN PUBLICITY

For Annual Publication on Advertising.
Claims use since 1932.

Ser. No. 410,386. ATLAS PUBLISHING COMPANY, INC., New York, N. Y. Filed Sept. 9, 1938.

Western
STEEL and METALS

For Periodical Publication.
Claims use since July 9, 1938.

Ser. No. 410,411. SEAVER-BRINKMAN, INC., Cleveland, Ohio. Filed Sept. 9, 1938.

BUDGET STRETCHER

For Coupons and Certificates.
Claims use since Sept. 28, 1936.

Ser. No. 410,412. SEAVER-BRINKMAN, INC., Cleveland, Ohio. Filed Sept. 9, 1938.

DOLLAR DOUBLER

For Coupons and Certificates.
Claims use since Mar. 10, 1938.

Ser. No. 410,413. THE SEED TRADE REPORTING BUREAU, Chicago, Ill. Filed Sept. 9, 1938.

SEED TRADE
Buyers Guide
& DIRECTORY

For Annual Publication.
Claims use since Jan. 22, 1938.

CLASS 39

Clothing

Ser. No. 391,843. WOLVERINE KNITTING MILLS, Bay City, Mich. Filed Apr. 24, 1937.

Wolverine

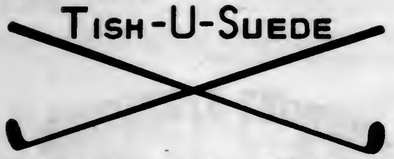
For Underwear for Men, Women, and Children, Sport Shirts, Nightgowns, and Pajamas.
Claims use since February, 1919.

Ser. No. 394,031. FREEMAN SHOE CORPORATION, Beloit, Wis. Filed June 14, 1937.



The term "Master Style" is disclaimed apart from the mark.
For Boots and Shoes of Leather, Rubber, Fabric, or Combinations Thereof.
Claims use since May 1, 1937.

Ser. No. 406,138. LEIGHTON HAT CO. INC., New York, N. Y. Filed May 9, 1938.



Applicant disclaims the phrase "Tish-U-Suede" except as shown.
For Ladies' Hats.
Claims use since Oct. 30, 1937.

Ser. No. 406,443. CO-OPERATIVE CRAVAT CORPORATION, New York, N. Y. Filed May 18, 1938.



The words "House of" and "Tie" are disclaimed except as shown.
For Men's and Boys' Neckties, Four-in-Hand Ties, and Bow Ties.
Claims use since Apr. 15, 1938.

Ser. No. 406,458. THE MANHATTAN SHIRT COMPANY, New York, N. Y. Filed May 18, 1938.

SOLWAY

For Men's Outer Shirts, Pajamas, and Underwear.
Claims use since 1920.

Ser. No. 407,298. B. BENNETT COMPANY, INC., New Orleans, La. Filed June 10, 1938.



For Men's and Boys' Pants, Men's and Boys' Work and Dress Shirts, Boys' Knickers and Shorts.
Claims use since May 13, 1938.

Ser. No. 408,227. MAX SILVER & SON, Philadelphia, Pa. Filed July 6, 1938.



The picture is that of Lynne Lupin, known to applicant's trade as "Lady Lynne."
For Cotton House Dresses for Women.
Claims use since May 20, 1938.

Ser. No. 408,984. ALPHA MILLS, INC., Pottsville, Pa. Filed July 28, 1938.

Lady Alpha

For Misses', Children's, and Women's Garments Made of Cotton, Rayon, Silk, Wool, and Mixtures of the Same, and Particularly Panties, Vests, Bloomers, Union Suits, Slips, Pajamas, and Night-gowns.
Claims use since June 1, 1938.

Ser. No. 409,009. SAM'S CUT RATE, INCORPORATED, Detroit, Mich. Filed July 28, 1938.



The drawing is lined for silver. No claim is made to the words "Full Fashioned Silk Hosiery" apart from the mark.
For Full-Fashioned Hosiery.
Claims use since Mar. 15, 1938.

Ser. No. 409,129. JOHNSON, STEPHENS AND SHINKLE SHOE COMPANY, St. Louis, Mo. Filed Aug. 1, 1938.



The numerals "1, 2," and "3" and the words "Pump" and "Shoe" are disclaimed apart from the mark.
For Shoes of Leather or a Combination of Leather, Rubber, or Fabric.
Claims use since June 20, 1938.

Ser. No. 409,141. RICE-STIX DRY GOODS COMPANY, St. Louis, Mo. Filed Aug. 1, 1938.

IRON-HAND

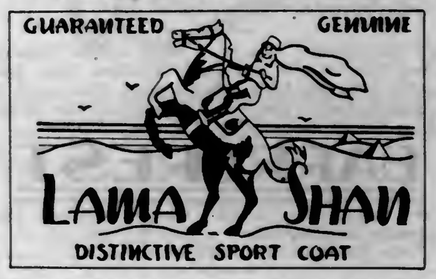
For Gloves of Leather, Rubber, Fabric, and Combinations of These Materials.
Claims use since Apr. 30, 1938.

Ser. No. 409,414. PERLMAN BROS., INC., New York, N. Y. Filed Aug. 9, 1938.



For Caps and Hats Intended for the Use of Men and Boys.
Claims use since Aug. 4, 1938.

Ser. No. 409,444. JOSEPH STEIN COATS, INC., New York, N. Y. Filed Aug. 10, 1938.



All wording except "Shan" is disclaimed apart from the mark.
For Ladies' and Misses' Coats and Suits Containing a Substantial Content of Llamas' Hair.
Claims use since July 20, 1938.

Ser. No. 409,632. VANITY FAIR SILK MILLS, Reading, Pa. Filed Aug. 15, 1938.

DAZALON

For Knitted and Textile Underwear and Lingerie for Women and Children—Namely, Vests, Bloomers, Knickerbockers, Shorts, Stepins, Panties, Tight-Panties, Tight-Suits, Corset Covers, Unionsuits, Chemises, Bandeau Chemises, Bed Jackets, Bandeaux, Petticoats, Slips, Nightgowns, Pajamas, Housecoats, and Hosiery; and Knitted and Textile Underwear for Men—Namely, Shirts, Drawers, and Unionsuits.
Claims use since July 26, 1938.

Ser. No. 409,722. ALPS SPORTSWEAR MFG. CO., INC., doing business as Tri Qua Sportswear Company, Boston, Mass. Filed Aug. 18, 1938.

Tri Qua

For Knitted or Woven Sweaters, Bathing Suits, Outer Shirts, Jackets, and Toques, for Men, Women, or Boys.
Claims use since Aug. 12, 1938.

Ser. No. 409,733. GEMAL HANDKERCHIEF CO., New York, N. Y. Filed Aug. 18, 1938.

Scriptogram

For Handkerchiefs.
Claims use since July 12, 1938.

Ser. No. 409,862. BROWN CLOTHING COMPANY, Minneapolis, Minn. Filed Aug. 23, 1938.

BROWN'S FRIENDMAKER SHOES

The word "Shoes" is disclaimed apart from the mark.
For Shoes of Cloth, Leather, and Rubber, and Combinations of These Materials.
Claims use since Sept. 15, 1937.

Ser. No. 409,889. THE MAY DEPT. STORES COMPANY, New York, N. Y.; Akron and Cleveland, Ohio; Baltimore, Md.; St. Louis, Mo.; Denver, Colo.; and Los Angeles, Calif.; also doing business as The Famous-Barr Co., St. Louis, Mo. Filed Aug. 23, 1938.

BARRCREST

For Men's, Boys', Youth's Clothing—Namely, Suits, Overcoats, and Topcoats.
Claims use since Jan. 4, 1936.

Ser. No. 410,040. I. MARKS & CO., INC., New York, N. Y. Filed Aug. 27, 1938.

SILVER TONE

The words "Silver Tone" are disclaimed apart from the mark.
For Ladies' Coats and Suits.
Claims use since Aug. 2, 1937.

Ser. No. 410,169. BURMEL HANDKERCHIEF CORPORATION, New York, N. Y. Filed Sept. 1, 1938.

A Burmel ORIGINAL

No claim is made to the word "Original" except as shown.
For Printed Handkerchiefs.
Claims use since Mar. 1, 1938.

Ser. No. 410,170. BURMEL HANDKERCHIEF CORPORATION, New York, N. Y. Filed Sept. 1, 1938.

HANDKERCHIEFS OF THE YEAR

No claim is made to the word "Handkerchiefs" except as shown.
For Handkerchiefs.
Claims use since Mar. 16, 1937.

Ser. No. 410,219. FAY-MISS BRASSIERE CO., INC., New York, N. Y. Filed Sept. 2, 1938.

FAYLASTIC

For Brassières, Bandeaus, Corsets, Corselets, and Girdles.
Claims use since Aug. 24, 1938.

Ser. No. 410,222. W. T. GRANT COMPANY, New York, N. Y. Filed Sept. 2, 1938.

Grantco

For Men's and Boys' Hose.
Claims use since Jan. 1, 1932.

Ser. No. 410,254. W. L. DOUGLAS SHOE CO., Brockton, Mass. Filed Sept. 3, 1938.

LAZY BOY

For Men's, Women's, and Children's Boots, Shoes, and Slippers Made Wholly or in Part of Leather, Rubber, Canvas, Felt, or Textile Material.
Claims use since Apr. 2, 1938.

Ser. No. 410,258. INTERNATIONAL SHOE CO., St. Louis, Mo. Filed Sept. 3, 1938.



The picture is fanciful.
For Boots and Shoes of Leather, Fabric, and/or Combinations Thereof.
Claims use since Aug. 26, 1938.

Ser. No. 410,276. U-WAN-A WASH FROCKS, INC., New York, N. Y. Filed Sept. 3, 1938.

YAM-DANCE

For Women's, Misses', Young Ladies', Girls', and Children's Beach Dresses, Beach Robes, Sport Dresses and Suits, Play Dresses, Play Blouses and Shorts, Play Suits, Wash Frocks, House Dresses, Dresses, Suits, and Smocks.
Claims use since Aug. 15, 1938.

Ser. No. 410,281. ALEXANDER H. WHITE, INC., New York, N. Y. Filed Sept. 3, 1938.

"SWING-STRIDE"

For Women's and Misses' Outer Skirts, Suits, Dresses, Sweaters, and Underwear.
Claims use since Aug. 1, 1938.

Ser. No. 410,333. NATIONAL SILK HOSIERY MILLS, INC., Indianapolis, Ind. Filed Sept. 7, 1938.

Invis-O-Rib

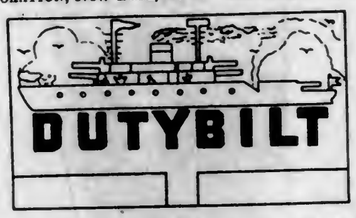
No claim is made to the word "Rib" apart from the mark.
For Hosiery.
Claims use since Aug. 15, 1938.

Ser. No. 410,380. WAMSUTTA MILLS, New Bedford, Mass. Filed Sept. 8, 1938.

WAMCO

For Outer Shirts, Shorts, Slacks, and Sportswear Consisting of Dresses, Blouses, and Jackets for Men, Women, and Children.
Claims use since Dec. 20, 1937.

Ser. No. 410,482. PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y. Filed Sept. 12, 1938.



For Men's and Boys' Dungarees, Overalls and Coats, Work Shirts and Pants, Playsuits, Leatherette Sheep-lined Coats, Leather Coats, Suede Jackets, Bathrobes, Leather Helmets, Snow Suits, Raincoats, Lumberjackets, Shop Aprons, Coveralls, and Work Gloves; and Men's and Boys' Underwear Made of Wool, Cotton, Silk, and Rayon, Either Knit or Woven.
Claims use since July 21, 1938.

Ser. No. 410,852. ALBERT B. WEINBERG, New York, N. Y. Filed Sept. 21, 1938.

JITTER-BUG

For Women's and Misses' Dresses.
Claims use since March, 1938.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 380,377. ANCHOR WEBBING COMPANY, Pawtucket, R. I. Filed June 29, 1936.

Awebco

For Tapes and Webbings for Use as Binding and Trimmings for Fabricated Articles and Other Incidental Uses, and Braids for Lacings, Trimmings, and Other Incidental Uses.
Claims use since January, 1927.

Ser. No. 410,294. HAWKEYE PEARL BUTTON COMPANY, Muscatine, Iowa. Filed Sept. 6, 1938.

Mermaid

For Buttons, Particularly Pearl Buttons.
Claims use since 1907.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 397,072. C. M. DE LAND, New York, N. Y. Filed Sept. 3, 1937.



The word "Curl" is disclaimed apart from the mark.
For Woolen Piece Goods.
Claims use since Feb. 1, 1937.

Ser. No. 399,753. THE ESMOND MILLS, New York, N. Y. Filed Nov. 15, 1937.



The word "Warmth" is disclaimed apart from the mark.
For Woven Textile Blankets.
Claims use since Oct. 29, 1937.

Ser. No. 407,981. GIMPEL FRÈRES & CIE, Sainte-Marie aux Mines, France. Filed June 28, 1938.

IRLANA

For Wool or Hair Fabrics, Cotton Fabrics, Mixed Wool and Cotton Fabrics.
Claims use since Sept. 1, 1935.

Ser. No. 410,158. WEST COAST MANCHESTER MILLS, INC., Los Angeles, Calif. Filed Aug. 31, 1938.

Matletex

For Piece Goods of Cotton, Silk, Wool, Rayon, or Mixtures Thereof.
Claims use since Mar. 30, 1937.

Ser. No. 410,699. MARTIN DYEING & FINISHING CO. Bridgeton, N. J. Filed Sept. 17, 1938.

funqifoil

For Water Repellent and Mildew Resistant Canvas Duck.
Claims use since June 15, 1938.

Ser. No. 410,741. HERBERT R. LEEDS & CO., INC., New York, N. Y. Filed Sept. 19, 1938.

Cova-Gab

For Woolen, Worsted, Linen, Tropical, and Rayon Piece Goods.
Claims use since July 14, 1938.

Ser. No. 410,770. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Sept. 20, 1938.

CELAMONT

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Sept. 16, 1938.

Ser. No. 410,771. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Sept. 20, 1938.

CELMONTÉ

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Sept. 16, 1938.

Ser. No. 410,772. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Sept. 20, 1938.

MONTACEL

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Sept. 16, 1938.

Ser. No. 410,773. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Sept. 20, 1938.

MONTANESE

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Sept. 16, 1938.

Ser. No. 410,833. JOHN B. ELLISON & SONS, INC., Philadelphia, Pa. Filed Sept. 21, 1938.

GLEN-LEITH

For Woolen Piece Goods.
Claims use since February, 1938.

CLASS 43

Thread and Yarn

Ser. No. 409,534. MEIER & FRANK COMPANY, INC., Portland, Oregon. Filed Aug. 12, 1938.

RIVIERA CREPE

The word "Crepe" is disclaimed except as shown.
For Hand Knitting Yarn.
Claims use since Sept. 6, 1932.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 410,035. INDUSTRIAL AND SURGICAL CORPORATION, Miami, Fla. Filed Aug. 27, 1938.



The word "Mask" and the illustration of the mask are disclaimed apart from the mark.
For Surgical Masks.
Claims use since July 28, 1938.

Ser. No. 410,976. NATIONAL CARBON COMPANY, INC., New York, N. Y. Filed Sept. 22, 1938.

ULTREX

For Arc Lamps and Carbons for Therapeutic and Other Dental, Medical, and Surgical Appliances.
Claims use since July 22, 1938.

Ser. No. 410,977. NATIONAL CARBON COMPANY, INC., New York, N. Y. Filed Sept. 23, 1938.

HITEX

For Arc Lamps and Carbons for Therapeutic and Other Dental, Medical, and Surgical Appliances.
Claims use since July 22, 1938.

Ser. No. 410,990. GELLMAN MANUFACTURING COMPANY, Rock Island, Ill. Filed Sept. 26, 1938.

BEAUTY FOUNT

For Combined Therapeutic Table and Cabinet.
Claims use since July 14, 1938.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 403,007. SAUL KURLANDER, doing business as Arrowhead Beverage Co., Los Angeles, Calif. Filed Feb. 14, 1938.

DOUBLE SEVEN

For Non-Alcoholic, Maltless Beverages Used as Soft Drinks and of Concentrates for Preparing the Same.
Claims use since Dec. 22, 1937.

Ser. No. 408,037. WILLIAM GRAHAM SINGLETARY, Dallas, Tex. Filed June 28, 1938.



For Maltless, Nonalcoholic, Noncereal Beverage Sold as a Soft Drink, and Syrups and Extracts for Making the Same.
Claims use since Sept. 18, 1937.

Ser. No. 409,714. GROVER C. THOMSEN, doing business as The Glassite Company, Waco, Tex. Filed Aug. 17, 1938.



For Non-Alcoholic Carbonated Beverages, and Syrups for Use in the Preparation Thereof, the Same Being of Different Flavors.
Claims use since June 28, 1938.

Ser. No. 409,815. LOS ANGELES BREWING CO., Los Angeles and San Bernardino, Calif. Filed Aug. 20, 1938.



The words "Cherry Coke" are disclaimed apart from the mark.
For Non-Alcoholic, Non-Cereal, Maltless Beverage Used as a Soft Drink, and Syrups and Extracts for Preparing the Same.
Claims use since Aug. 10, 1938.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 393,601. WILLIAM KELLER, doing business as Purity Food Products Co., San Francisco, Calif. Filed June 3, 1937.

Luncheonette

For Oyster Cocktail, Crab Cocktail, Shrimp Cocktail, Fruit Syrups for Food Purposes, Fruit Juices for Food Purposes, Potato Salad, Prepared Mustard, Horseradish, Pickles.
Claims use since May 10, 1937.

Ser. No. 400,074. WINDHAM COUNTY CO-OPERATIVE MILK PRODUCERS, INC., Brattleboro, Vt. Filed Nov. 23, 1937.

Maple Farms

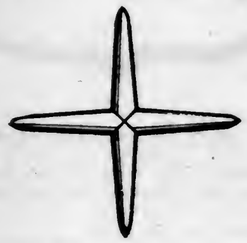
No claim is made to the term "Maple" apart from the mark.
For Maple Syrup, Maple Sugar, and Maple Cream.
Claims use since May 31, 1936.

Ser. No. 401,827. LOS ANGELES BREWING CO., also doing business as Maison Chantelle, Los Angeles, Calif. Filed Jan. 12, 1938.

MAISON CHANTELLE

The word "Chantelle" is disclaimed apart from the mark.
For Non-Alcoholic Egg Base Batter to be Used as Base for Preparing Drinks Such as "Tom and Jerry".
Claims use since Sept. 20, 1937.

Ser. No. 406,779. SCIENTIFIC TABLET COMPANY, Belleville, Ill. Filed May 26, 1938.



For Compressed Salt Tablets.
Claims use since Feb. 26, 1938.

Ser. No. 406,821. PALMER FARMS GROWERS COOPERATIVE ASSOCIATION, Sarasota, Fla. Filed May 27, 1938.

sun WAY

For Fresh Celery.
Claims use since Dec. 10, 1937.

Ser. No. 407,398. VALENJU, INCORPORATED, Chicago, Ill. Filed June 11, 1938.

CHUKKER

For Fruit Juices for Food Purposes and Preparations for Flavoring Food Drinks—Namely, a Dry Cocoa Mix for Making a Cocoa Milk Drink.
Claims use since May 25, 1938.

Ser. No. 407,400. VALENJU, INCORPORATED, Chicago, Ill. Filed June 11, 1938.

RICHMORE

For Fruit Juices for Food Purposes and Preparations for Flavoring Food Drinks—Namely, a Dry Cocoa Mix for Making a Cocoa Milk Drink.
Claims use since May 25, 1938.

Ser. No. 407,913. NESTLÉ'S MILK PRODUCTS, INC., New York, N. Y. Filed June 25, 1938.

NESCAFÉ

A NESTLÉ PRODUCT

Applicant disclaims "A Nestlé Product" and "The Symbol of Quality" apart from the mark.
For Powdered Coffee Blended with Carbo-hydrates.
Claims use since June 23, 1938.

Ser. No. 408,690. CANDY CRAFTERS, INC., Lansdowne, Pa. Filed July 20, 1938.



For Candy Novelties for Decorating Cakes, Ice Cream, Cookies, and Desserts.
Claims use since August, 1937.

Ser. No. 409,370. MARIA TRAVERSA, Vandergrift, Pa. Filed Aug. 8, 1938.

PIEMONTE BRAND

The word "Brand" is disclaimed.
For Tomato Meat Sauce Sold in Cans and Analogous Transportable Containers for Use, with or without Mushrooms, as a Dressing for Spaghetti, Spanish Rice, Raviola, and Foods of the Same General Characteristics.
Claims use since Feb. 17, 1938.

Ser. No. 409,647. GRIFFIN CANNING CO., Howey-in-the-Hills, Fla. Filed Aug. 16, 1938.

LifeGuard

For Canned Citrus Fruit Juices.
Claims use since Jan. 1, 1938.

Ser. No. 410,098. THOMAS BROS. CANDY CO., Memphis, Tenn. Filed Aug. 29, 1938.

TRUCK'N

For Candy Bars.
Claims use since May 3, 1938.

Ser. No. 410,130. BLANKE-BAER EXTRACT & PRESERVING CO., St. Louis, Mo. Filed Aug. 31, 1938.

A-LA-MODE

For Mayonnaise, Peanut Butter, Olives, and Fruit Preserves.
Claims use since Nov. 1, 1917.

Ser. No. 410,309. SCHUCKL & CO., INC., San Francisco, Calif. Filed Sept. 6, 1938.

GILLION

For Canned Fruits.
Claims use since Jan. 23, 1920.

Ser. No. 410,310. SCHUCKL & CO., INC., San Francisco, Calif. Filed Sept. 6, 1938.

SELINE

For Canned Fruits.
Claims use since Jan. 23, 1920.

Ser. No. 410,718. PAUL F. BEICH COMPANY, Bloomington and Chicago, Ill. Filed Sept. 19, 1938.

ONE GRAND

For Candy.
Claims use since Sept. 1, 1938.

Ser. No. 410,750. A. RUSSO & CO., Chicago, Ill. Filed Sept. 19, 1938.

MAC-SPAG

For Alimentary Pastes.
Claims use since Aug. 29, 1938.

Ser. No. 410,775. CONSOLIDATED PRODUCE CO., LTD., Los Angeles, Calif. Filed Sept. 20, 1938.

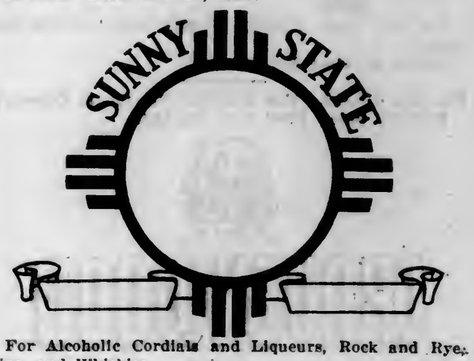
Gold Reserve

For Fresh Vegetables and Grapes.
Claims use since Aug. 12, 1938.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 400,184. ANCHOR LIQUOR COMPANY, Albuquerque, N. Mex. Filed Nov. 27, 1937.



For Alcoholic Cordials and Liqueurs, Rock and Rye, Gins, and Whiskies.
Claims use since July 19, 1934.

Ser. No. 410,073. FAIRFIELD DISTILLERY, INCORPORATED, Bardstown, Ky. Filed Aug. 29, 1938.



The word "Kentucky" is disclaimed apart from the mark.
For Whiskey.
Claims use since Aug. 2, 1938.

Ser. No. 410,205. UNITED DISTILLERS (OF AMERICA), LTD., Baltimore, Md. Filed Sept. 2, 1938.

Deerwood

For Gin, Rum, Whiskey, Brandy, and Alcoholic Cordials.
Claims use since Jan. 25, 1938.

Ser. No. 410,207. UNITED DISTILLERS (OF AMERICA), LTD., Baltimore, Md. Filed Sept. 2, 1938.

OLD ROCKET

For Gin, Rum, Whiskey, Brandy, and Alcoholic Cordials.
Claims use since Jan. 18, 1938.

Ser. No. 410,210. UNITED DISTILLERS (OF AMERICA), LTD., Baltimore, Md. Filed Sept. 2, 1938.

TARBO

For Gin, Rum, Whiskey, Brandy, and Alcoholic Cordials.
Claims use since Jan. 22, 1938.

Ser. No. 410,425. THE BEDFORD DISTILLING COMPANY, Bedford, Ohio. Filed Sept. 10, 1938.



CRAVENWOOD

For Straight Bourbon Whiskey.
Claims use since July 12, 1938.

Ser. No. 410,726. JOSEPH S. FINCH AND COMPANY, New York, N. Y., and Schenley, Pa. Filed Sept. 19, 1938.

BANYAN

For Rum, Whiskey, Gin, Brandy, and Alcoholic Cordials.
Claims use since Mar. 11, 1938.

Ser. No. 410,727. JOSEPH S. FINCH AND COMPANY, New York, N. Y., and Schenley, Pa. Filed Sept. 19, 1938.

BURNING TREE

For Rum, Whiskey, Gin, Brandy, and Alcoholic Cordials.
Claims use since Mar. 11, 1938.

Ser. No. 410,728. JOSEPH S. FINCH AND COMPANY, New York, N. Y., and Schenley, Pa. Filed Sept. 19, 1938.

SCHENLEY SQUARES

Applicant is the owner of registration 311,054, effected under the 10-year proviso, covering the word "Schenley."
For Whiskey, Gin, Rum, Brandy, and Other Alcoholic Cordials.
Claims use since Jan. 31, 1938.

Ser. No. 410,729. JOSEPH S. FINCH AND COMPANY, New York, N. Y., and Schenley, Pa. Filed Sept. 19, 1938.

TRI-COLOR

For Rum, Whiskey, Gin, Brandy, and Alcoholic Cordials.
Claims use since Mar. 11, 1938.

Ser. No. 410,781. Jos. S. FINCH & Co., INC., New York, N. Y., and Schenley, Pa. Filed Sept. 20, 1938.

GOLDEN WEDDING ROUNDS

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Jan. 31, 1938.

Ser. No. 410,782. Jos. S. FINCH & Co., INC., New York, N. Y., and Schenley, Pa. Filed Sept. 20, 1938.

ROUNDS

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Jan. 31, 1938.

Ser. No. 410,783. Jos. S. FINCH & Co., INC., New York, N. Y., and Schenley, Pa. Filed Sept. 20, 1938.

SCHENLEY ROUNDS

Applicant is the owner of registration No. 311,054, effected under the 10-year proviso, covering the word "Schenley."
For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Jan. 31, 1938.

Ser. No. 410,784. Jos. S. FINCH & Co., INC., New York, N. Y., and Schenley, Pa. Filed Sept. 20, 1938.

SCHENLEY ROUNDS IN ROUND BOTTLES

Applicant is the owner of registration 311,054, effected under the 10-year proviso, covering the word "Schenley." No claim is made to the words "In Round Bottles" apart from the mark.
For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Jan. 31, 1938.

Ser. No. 410,902. JOSEPH S. FINCH AND COMPANY, New York, N. Y., Schenley, Pa., and Lawrenceburg, Ind. Filed Sept. 23, 1938.

Blarney Stone

For Gin, Whiskey, Rum, Brandy, and Alcoholic Cordials.
Claims use since June 21, 1938.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 409,045. WILLIAM LUSTGARTEN, New York, N. Y. Filed July 29, 1938.

TRIPLE-MIST

For Coated Cotton, Silk, and Rayon Fabrics.
Claims use since March, 1938.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

NOVEMBER 8, 1938

361,923. STOVE POLISH, SHOE CLEANER AND POLISH, WALLPAPER CLEANER, RUG AND CARPET CLEANER, DRY CLEANING FLUID, AND METAL CLEANERS AND POLISHES. MIDWAY CHEMICAL CO., Chicago, Ill., assignor, by mesne assignments, to Midway Chemical Co., Jersey City, N. J., a corporation of New Jersey.

Filed July 20, 1936. Serial No. 381,233. PUBLISHED JUNE 1, 1937. Class 4.

361,924. AQUEOUS ALKALINE PREPARATION FOR THE RELIEF AND CORRECTION OF ACID CONDITIONS. AMERICAN RU-MARI COMPANY, Los Angeles, Calif.

Filed August 1, 1936. Serial No. 381,706. PUBLISHED OCTOBER 20, 1936. Class 6.

361,925. CANNED FISH, ESPECIALLY BRISLING (SARDINES), SILD, AND KIPPER SNACKS. THE C. BORGEN PACKING CO., AKTIESELSKAP, Stavanger, Norway.

Filed October 24, 1936. Serial No. 384,734. PUBLISHED JUNE 8, 1937. Class 46.

361,926. FLOUR BLENDED FROM VARIOUS FLOURS AND GRANULATIONS OF WHEAT, RYE, BUCKWHEAT, OATS, AND BARLEY, AND FOR BREAD, MUFFINS, BUNS, ROLLS, CRACKERS, AND BISCUITS MADE FROM SAID FLOUR. ROY ALEXANDER HUNTER, Vancouver, British Columbia, Canada.

Filed November 3, 1936. Serial No. 385,098. PUBLISHED AUGUST 30, 1938. Class 46.

361,927. VITAMIN TABLET. HEALTH RESEARCH FOUNDATION, Ann Arbor, Mich.

Filed February 17, 1937. Serial No. 389,024. PUBLISHED DECEMBER 28, 1937. Class 6.

361,928. DISINFECTANT, WASH, AND MEDICINE FOR ANIMALS RECOMMENDED FOR RINGWORM, ECZEMA, MANGE, CUTS, AND SORES. ZENITH PRODUCTS COMPANY, Cleveland, Ohio.

Filed April 28, 1937. Serial No. 391,982. PUBLISHED AUGUST 23, 1938. Class 6.

361,929. BACON. JOSEPH CODMAN, doing business as Codman's Packing Co., Elmhurst, N. Y.

Filed May 27, 1937. Serial No. 393,319. PUBLISHED AUGUST 30, 1938. Class 46.

361,930. CANNED VEGETABLES. CENTRAL WISCONSIN CANNERIES, Beaver Dam, Wis.

Filed June 5, 1937. Serial No. 393,692. PUBLISHED AUGUST 30, 1938. Class 46.

361,931. MOTOR GUM SOLVENT. THE SHALER COMPANY, Waupun, Wis.

Filed August 25, 1937. Serial No. 396,751. PUBLISHED AUGUST 16, 1938. Class 6.

361,932. DYE PREPARATION WHICH IS APPLIED TO GRASS FOR BROWN PATCH CONTROL. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo.

Filed September 13, 1937. Serial No. 397,367. PUBLISHED AUGUST 16, 1938. Class 6.

361,933. PERMANENT WAVING SOLUTION. CHARLES L. LONG, doing business as Permaid Company, St. Louis, Mo.

Filed September 18, 1937. Serial No. 397,540. PUBLISHED AUGUST 16, 1938. Class 6.

361,934. CANNED VEGETABLES, CANNED OYSTERS, AND CANNED BERRIES. WILLIAM C. KIMBROUGH, doing business as Abbeville Packing Company, Lafayette, La.

Filed September 30, 1937. Serial No. 397,975. PUBLISHED AUGUST 30, 1938. Class 46.

361,935. PIGMENT COLORS AND LAKE COLORS FOR GENERAL MANUFACTURING PURPOSES. H. KOHNSTAMM & CO. INC., New York, N. Y.

Filed October 4, 1937. Serial No. 398,114. PUBLISHED AUGUST 16, 1938. Class 6.

361,936. SMOKED MEATS, INCLUDING PORK, HAM, AND BACON; SAUSAGE; BOILED HAM; BUTTER AND EGGS; AND DRIED SAUSAGE. OSCAR MAYER & COMPANY, Chicago, Ill.

Filed October 4, 1937. Serial No. 398,117. PUBLISHED AUGUST 30, 1938. Class 46.

361,937. HAIR REMOVING DEVICES — NAMELY, ELECTRICALLY OPERATED INSTRUMENTS FOR SHAVING AND FOR REMOVING HAIR FROM THE BODY, RAZORS, RAZOR BLADES, SAFETY RAZORS, SAFETY RAZOR BLADES. AMERICAN SAFETY RAZOR CORPORATION, Brooklyn, N. Y.

Filed October 5, 1937. Serial No. 398,144. PUBLISHED AUGUST 30, 1938. Class 23.

361,938. WHEAT FLOUR. STANDARD MILLING COMPANY, New York, N. Y.

Filed October 11, 1937. Serial No. 398,375. PUBLISHED AUGUST 30, 1938. Class 46.

361,939. WHEAT FLOUR. STANDARD MILLING COMPANY, New York, N. Y.

Filed October 11, 1937. Serial No. 398,376. PUBLISHED AUGUST 30, 1938. Class 46.

361,940. MEDICATED POWDER CONSTITUTING ONE OF A SET OF MATERIALS APPLIED IN SERIES IN A COMPLETE TREATMENT OF LEG ULCERS RESULTING FROM VARICOSE VEINS. FÉLIX JEAN CAUCHOIS, Hussigny-Godbrange, Meurthe-et-Moselle, France.

Filed October 15, 1937. Serial No. 398,515. PUBLISHED AUGUST 16, 1938. Class 6.

361,941. PULVERIZED MEDICINAL HERBS OR PLANTS AS FOLLOWS—BLACK FIR (ABIES NIGRA), SOUTHERN WOOD, ASH (ABROTANUM), ETC. DR. MADAUS & COMPANY, Radebeul, Dresden, Germany.

Filed October 16, 1937. Serial No. 398,581. PUBLISHED AUGUST 16, 1938. Class 6.

361,942. OINTMENT FOR BRUISES, BURNS, INFECTIONS, AND INFLAMMATIONS, HEADACHES AND SIMPLE SORE THROAT, LA GRIPPE, SPASMODIC CROUP, ETC. H. R. BROWNLEE, Cleveland, Ohio, assignor to The Ortholine Laboratories Incorporated, Cleveland, Ohio.

Filed October 20, 1937. Serial No. 398,746. PUBLISHED FEBRUARY 1, 1938. Class 6.

361,943. RADIO TUNING DIALS. KINGSTON RADIO COMPANY, Kokomo, Ind.

Filed October 25, 1937. Serial No. 398,906. PUBLISHED AUGUST 30, 1938. Class 21.

361,944. MEDICINAL PREPARATION FOR DEVELOPING THE BREAST. JEAN PAUL FERNEL, Chicago, Ill.

Filed October 30, 1937. Serial No. 399,132. PUBLISHED AUGUST 23, 1938. Class 6.

361,945. LIQUID SOAP, PARTICULARLY FOR USE AS A SHAMPOO. JULIUS I. SCHULTZ, doing business as The Brillon Hair Remedies Company, Detroit, Mich.

Filed October 30, 1937. Serial No. 399,155. PUBLISHED AUGUST 9, 1938. Class 6.

361,946. SODIUM ETHYL XANTHATE, POTASSIUM ETHYL XANTHATE, POTASSIUM BUTYL XANTHATE, POTASSIUM AMYL XANTHATE, POTASSIUM SECONDARY BUTYL XANTHATE, POTASSIUM PENTASOL XANTHATE, POTASSIUM ISOPROPYL XANTHATE. GREAT WESTERN ELECTRO-CHEMICAL COMPANY, San Francisco, Calif.

Filed November 5, 1937. Serial No. 399,353. PUBLISHED AUGUST 16, 1938. Class 6.

361,947. VITAMIN D CONCENTRATE IN MILK CONSTITUENTS FOR USE IN FOODS WHERE MILK IS USED AS AN INGREDIENT. WISCONSIN ALUMNI RESEARCH FOUNDATION, Madison, Wis.

Filed November 10, 1937. Serial No. 399,586. PUBLISHED AUGUST 23, 1938. Class 6.

361,948. METAL TREATING FURNACES. LINDBERG ENGINEERING CO., Chicago, Ill.

Filed November 17, 1937. Serial No. 399,841. PUBLISHED AUGUST 30, 1938. Class 34.

361,949. COLD CREAM. POND'S EXTRACT COMPANY, New York, N. Y.

Filed November 20, 1937. Serial No. 399,977. PUBLISHED AUGUST 23, 1938. Class 6.

361,950. PORTABLE HAND FIRE EXTINGUISHERS. THE WARR FIRE EXTINGUISHER COMPANY, INCORPORATED, Baltimore, Md.

Filed November 23, 1937. Serial No. 400,077. PUBLISHED JULY 12, 1938. Class 23.

361,951. COAL STOKERS. BUTLER MANUFACTURING COMPANY, Kansas City, Mo.

Filed December 2, 1937. Serial No. 400,364. PUBLISHED AUGUST 30, 1938. Class 34.

361,952. FIELD GLASSES, TELESCOPES, MAGNIFYING GLASSES, OBJECT GLASSES, PRISMS, AND PHOTOGRAPHIC LENSES AND PHOTOGRAPHIC CAMERAS. CARL HENSOLDT, doing business as M. Hensoldt & Söhne, Wetzlarer Optische Werke, Wetzlar, Germany.

Filed December 3, 1937. Serial No. 400,416. PUBLISHED AUGUST 30, 1938. Class 26.

361,953. CLEANING PREPARATION IN LIQUID AND POWDER FORM FOR CLEANING AND REJUVENATING FLOOR COVERINGS, TEXTILE FABRICS, CLOTHING, GLASS, METAL, PAINTED OR VARNISHED SURFACES, WALL PAPER, WOODWORK, AND FOR LAUNDRY PURPOSES. JAMES B. MCCOMB, New York, N. Y.

Filed December 3, 1937. Serial No. 400,423. PUBLISHED AUGUST 30, 1938. Class 4.

361,954. VEGETABLE AGENT—NAMELY, MARINE ALGAE USED IN EMULSIFYING MILK, CHOCOLATE MILK, AND ICE CREAM MIXES. GILMOUR BROS. & COMPANY, LIMITED, Montreal, Quebec, Canada.

Filed December 6, 1937. Serial No. 400,502. PUBLISHED AUGUST 30, 1938. Class 46.

361,955. INSECTICIDES AND FUNGICIDES. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio.

Filed December 10, 1937. Serial No. 400,704. PUBLISHED MARCH 22, 1938. Class 6.

361,956. WINES. JOSEPH E. PHELAN, INC., Salem, Mass.

Filed December 31, 1937. Serial No. 401,447. PUBLISHED AUGUST 30, 1938. Class 47.

361,957. FRESH CITRUS FRUITS. WESLACO CITRUS ASSOCIATION, Weslaco, Tex.

Filed January 6, 1938. Serial No. 401,634. PUBLISHED AUGUST 30, 1938. Class 46.

361,958. WHISKEY. BEN-BURK, INC., Boston, Mass.

Filed January 12, 1938. Serial No. 401,806. PUBLISHED FEBRUARY 15, 1938. Class 49.

361,959. TABLES — NAMELY, FOLDING CARD TABLES, FOLDING BANQUET TABLES, AND FOLDING BENCHES. THE BREWER-TITCHENER CORPORATION, Cortland, N. Y.

Filed January 13, 1938. Serial No. 401,847. PUBLISHED AUGUST 9, 1938. Class 32.

361,960. POPCORN IN ITS NATURAL STATE, CLEANED AND SHELLED AND READY FOR POPPING. WAYNE YARLING, Elwood, Ind.

Filed January 27, 1938. Serial No. 402,393. PUBLISHED AUGUST 30, 1938. Class 46.

361,961. MEDICINAL PREPARATION USED AS A STIMULANT FOR THE APPETITE AND AS A GENERAL TONIC. E. FOUGERA & CO. INCORPORATED, New York, N. Y.

Filed February 2, 1938. Serial No. 402,594. PUBLISHED AUGUST 16, 1938. Class 6.

361,962. MEDICINAL PRODUCTS FOR LIVER AILMENTS. ARNOLD URVATER, Paris, France.

Filed February 9, 1938. Serial No. 402,879. PUBLISHED AUGUST 23, 1938. Class 6.

361,963. CERAMIC TABLE WARE; EARTHEN WARE—NAMELY, FLOWER POTS; GARDEN POTTERY — NAMELY, JARDINIERES; ART POTTERY—NAMELY, GLAZED OR UNGLAZED BOWLS. GLADDING MCBEAN & CO., Los Angeles, Calif.

Filed February 25, 1938. Serial No. 403,409. PUBLISHED AUGUST 30, 1938. Class 30.

361,964. SUNBURN PREPARATIONS. FRANKLIN E. EVERSON, doing business as Limray Co., New York, N. Y.

Filed February 26, 1938. Serial No. 403,448. PUBLISHED AUGUST 23, 1938. Class 6.

361,965. PREPARATION FOR THE TREATMENT OF TUBERCULOSIS AND CONSUMPTION. JULES MALIGE, Lapwai, Idaho.

Filed February 28, 1938. Serial No. 403,512. PUBLISHED AUGUST 23, 1938. Class 6.

361,966. WINES. ROMA WINE COMPANY, INC., Lodi and Los Angeles, Calif., and New York, N. Y.

Filed March 1, 1938. Serial No. 403,563. PUBLISHED AUGUST 30, 1938. Class 47.

361,967. CERTAIN PHARMACEUTICAL PREPARATION—TO WIT: A PREPARATION FOR THE TREATMENT OF OBESITY. THOMAS B. ESPERON, Detroit, Mich.

Filed March 3, 1938. Serial No. 403,652. PUBLISHED MAY 10, 1938. Class 6.

361,968. LAMP BODIES, CANDLESTICKS, CANDLE HOLDERS, CANDELABRA, LAMP SHADES, LAMP GLOBES, AND REFLECTORS, FORMED OF PORCELAIN OR EARTHENWARE. LENOX, INCORPORATED, Trenton, N. J.

Filed March 3, 1938. Serial No. 403,656. PUBLISHED AUGUST 30, 1938. Class 34.

361,969. SHERRY, CLARET, BURGUNDY, MUSCATEL, PORT, TOKAY, RIESLING, SAUTERNES. AUSTIN, NICHOLS & CO., INC., Brooklyn, N. Y.

Filed March 5, 1938. Serial No. 403,712. PUBLISHED AUGUST 30, 1938. Class 47.

361,970. ESPECIALLY PREPARED TURKEYS, READY TO SERVE. JOHN BROWN, Ossining, N. Y.

Filed March 7, 1938. Serial No. 403,751. PUBLISHED AUGUST 30, 1938. Class 46.

361,971. SCENTED DEODORANT. CENTRAL SPECIALTY CO., INC., Kansas City, Mo.

Filed March 7, 1938. Serial No. 403,753. PUBLISHED AUGUST 9, 1938. Class 6.

361,972. GLASS TABLE WARE AND GLASS BAR WARE. UNITED STATES GLASS CO., Pittsburgh, Pa.

Filed March 7, 1938. Serial No. 403,799. PUBLISHED AUGUST 30, 1938. Class 33.

361,973. GLASS TABLE WARE AND GLASS BAR WARE. UNITED STATES GLASS CO., Pittsburgh, Pa.

Filed March 7, 1938. Serial No. 403,801. PUBLISHED AUGUST 30, 1938. Class 33.

361,974. MEDICINE INDICATED IN AND FOR THE TREATMENT OF CONSTIPATION, MALFUNCTIONING OF THE KIDNEYS, ETC. H. V. SINCLAIR, doing business as Universal Kemico Company, Rochester, N. Y.
Filed March 11, 1938. Serial No. 403,974. PUBLISHED AUGUST 16, 1938. Class 6.

361,975. LIQUID COMPOUND FOR THE ELIMINATION AND PREVENTION OF RUST, SCALE, CORROSION, AND CONGESTION IN BOILERS, ETC. THE NORTH AMERICAN FIBRE PRODUCTS COMPANY, Cleveland, Ohio.
Filed March 12, 1938. Serial No. 404,010. PUBLISHED AUGUST 16, 1938. Class 6.

361,976. WOOLEN PIECE GOODS. PARKER, WILDER & Co., New York, N. Y.
Filed March 12, 1938. Serial No. 404,014. PUBLISHED AUGUST 30, 1938. Class 42.

361,977. HOLLOW-HEAD SET SCREWS. MAC-IT PARTS COMPANY, Lancaster, Pa.
Filed March 14, 1938. Serial No. 404,051. PUBLISHED AUGUST 30, 1938. Class 13.

361,978. PET SHOP SUPPLIES—NAMELY, MITE POWDER. EDWARD H. SPIRO, Jr., doing business as Essco PRODUCTS Co., New York, N. Y.
Filed March 17, 1938. Serial No. 404,189. PUBLISHED AUGUST 23, 1938. Class 6.

361,979. COLOGNE AND TOILET WATER, LIPSTICK, ROUGE, COLD CREAM, VANISHING CREAM, SKIN CREAM AND LOTION, CLEANSING CREAM, FACE AND TALCUM POWDERS, AND PERFUME. GOYESCAS CORP., New York, N. Y.
Filed March 21, 1938. Serial No. 404,311. PUBLISHED AUGUST 23, 1938. Class 6.

361,980. PREPARATIONS IN LIQUID AND OINTMENT FORM FOR RELIEF OF DANDRUFF. R. L. JENKINS, Russellville, Ark.
Filed March 21, 1938. Serial No. 404,314. PUBLISHED AUGUST 9, 1938. Class 6.

361,981. SELF-EMULSIFYING COMPOUND FOR PRODUCING AN EMULSION FOR APPLICATION TO TREES, SHRUBS, FRUITS, VEGETABLES, OR OTHER VEGETATION. GENERAL CHEMICAL COMPANY, New York, N. Y.
Filed March 22, 1938. Serial No. 404,360. PUBLISHED MAY 17, 1938. Class 6.

361,982. PREPARATION FOR HEADACHES, NEURALGIA, COLDS, AND FEVER. WILLIAM E. MANLOVE, doing business as Manloves Laboratories, Norfolk, Va.
Filed March 26, 1938. Serial No. 404,535. PUBLISHED AUGUST 16, 1938. Class 6.

361,983. PERFUME, TOILET WATER. HOUBIGANT, INC., New York, N. Y.
Filed March 29, 1938. Serial No. 404,608. PUBLISHED AUGUST 23, 1938. Class 6.

361,984. MEDICINES; CHEMICAL AND PHARMACEUTICAL PRODUCTS FOR HUMAN AND VETERINARY USE—NAMELY, A STABLE OILY SOLUTION OF THE BISMUTH SALT OF HEPTADIENCARBOXYLIC ACID FOR USE IN INTRAMUSCULAR INJECTIONS. "CHINOIN" GYÓGYSZER ÉS VEGYÉSZETI TERMÉKEK GYÁRA RÉSZVÉNYTÁRSASÁG, (DR. KERESZTY AND DR. WOLF), Ujpest, Hungary.
Filed March 30, 1938. Serial No. 404,673. PUBLISHED AUGUST 9, 1938. Class 6.

361,985. CHEMICAL COMPOSITION APPLIED TO METALLIC SURFACES TO PREVENT RUST OR CORROSION. LOUIS M. GREENE, doing business as The Carter Manufacturing Company, Cleveland, Ohio.
Filed March 31, 1938. Serial No. 404,709. PUBLISHED AUGUST 16, 1938. Class 6.

361,986. FOLLICLE-STIMULATING HORMONE PREPARATION OBTAINED FROM THE BLOOD OF PREGNANT MARES FOR USE IN THE TREATMENT OF AMENORRHOEA, CRYPTORCHIDISM, HYPO-GONADISM, AND CERTAIN CASES OF STERILITY. AYERST, MCKENNA & HARRISON (UNITED STATES) LIMITED, Rouses Point, N. Y.
Filed April 5, 1938. Serial No. 404,883. PUBLISHED AUGUST 9, 1938. Class 6.

361,987. LUBRICATING EQUIPMENT, APPARATUS, AND MACHINERY—NAMELY, OIL-CIRCULATING AND FILTERING APPARATUS, ETC. GRAY COMPANY, INCORPORATED, Minneapolis, Minn.
Filed April 6, 1938. Serial No. 404,940. PUBLISHED AUGUST 30, 1938. Class 23.

361,988. LUBRICATING EQUIPMENT, APPARATUS, AND MACHINERY—NAMELY, OIL-CIRCULATING AND FILTERING APPARATUS, ETC. GRAY COMPANY, INCORPORATED, Minneapolis, Minn.
Filed April 6, 1938. Serial No. 404,941. PUBLISHED AUGUST 30, 1938. Class 23.

361,989. MEDICINAL HERB TEA USED IN DISTURBANCES OF THE DIGESTIVE TRACT, HEADACHES, DISEASES OF THE SKIN, BLOOD AFFECTIONS, HEMORRHOIDS, ARTHRITIS, RHEUMATISM, AND DISTURBANCES OF THE METABOLISM. RENÉ, PAUL FOUCHÉ, Paris, France.
Filed April 8, 1938. Serial No. 405,017. PUBLISHED AUGUST 16, 1938. Class 6.

361,990. FRESH VEGETABLES. LA BREA SECURITIES Co., Los Angeles, Calif., doing business also as Rosemary Packing Company, Santa Maria, Calif.
Filed April 8, 1938. Serial No. 405,027. PUBLISHED AUGUST 30, 1938. Class 46.

361,991. CANNED FOOD FOR DOGS, CATS, AND CARNIVOROUS ANIMALS. ATLAS CANNING COMPANY, INC., New York and Glendale, N. Y.
Filed April 9, 1938. Serial No. 405,053. PUBLISHED AUGUST 30, 1938. Class 46.

361,992. NAIL WAX, LIP STICK, ASTRINGENT, HAND LOTION, NAIL POLISH OR ENAMEL REMOVER, HAND AND SKIN DEEP PORE CLEANSER, TISSUE CREAM, FACE POWDER, BEAUTY MASK, ROUGE, CLEANSING CREAM, AND HAIR GROOMING OIL. CHARM PRODUCTS, INC., also doing business as Carlyle, Los Angeles, Calif.
Filed April 11, 1938. Serial No. 405,102. PUBLISHED AUGUST 16, 1938. Class 6.

361,993. PHARMACEUTICAL DRUGS AND PREPARATIONS CONTAINING DRIED ANIMAL ORGANS AND PARTS AND/OR EXTRACTS OF SAME, ETC. S. E. MASSENGILL, doing business as The S. E. Massengill Company, Bristol, Tenn.
Filed April 11, 1938. Serial No. 405,124. PUBLISHED AUGUST 16, 1938. Class 6.

361,994. PERFUMES AND FACE POWDER. CALIFORNIA PERFUME COMPANY, INC., New York, N. Y.
Filed April 20, 1938. Serial No. 405,483. PUBLISHED AUGUST 9, 1938. Class 6.

361,995. TEXTILE SOAP AND A CLEANER FOR PAINTED, ENAMELED, LACQUERED, AND VARNISHED SURFACES. SCHOLLER BROTHERS, INC., Philadelphia, Pa.
Filed April 23, 1938. Serial No. 405,669. PUBLISHED AUGUST 30, 1938. Class 4.

361,996. WHEAT FLOUR. THE MIDLAND FLOUR MILLING COMPANY, Kansas City, Mo.
Filed April 27, 1938. Serial No. 405,778. PUBLISHED AUGUST 30, 1938. Class 46.

361,997. ELECTRICALLY ILLUMINATED ADVERTISING DISPLAY DEVICES, COMPRISING A BENDABLE SHEET AND MEANS FOR SECURING ITS EDGES TOGETHER, THE SHEET BEING PROVIDED WITH TRANSLUCENT AREAS AND AN ILLUMINATING MEANS FOR USE IN INDOOR ADVERTISING DISPLAYS. EDWARD J. HAYDEN, doing business as E. J. Hayden and Company, New York, N. Y.
Filed May 4, 1938. Serial No. 405,989. PUBLISHED AUGUST 30, 1938. Class 21.

361,998. LIPSTICK, FACE POWDER, PERFUME. ELIZABETH ARDEN, INC., New York, N. Y.
Filed May 7, 1938. Serial No. 406,084. PUBLISHED AUGUST 23, 1938. Class 6.

361,999. TABLETS FOR RELIEF OF PAIN. FREDERICK A. BOCKMANN, doing business as Bocan Drug Co., Utica, N. Y.
Filed May 7, 1938. Serial No. 406,088. PUBLISHED AUGUST 23, 1938. Class 6.

362,000. PREPARATION FOR THE TREATMENT OF ATHLETE'S FOOT, RING WORM, STUBBORN ECZEMA, SKIN ULCERS, AND SKIN ERUPTIONS. R AND H MEDICAL Co., Plymouth, Ind.
Filed May 9, 1938. Serial No. 406,151. PUBLISHED AUGUST 23, 1938. Class 6.

362,001. STOVES, RANGES, AND HEATERS, USING GAS FUEL. THE ROLLMAN & SONS Co., Cincinnati, Ohio.
Filed May 9, 1938. Serial No. 406,153. PUBLISHED AUGUST 30, 1938. Class 34.

362,002. PHARMACEUTICAL PREPARATION USED IN THE TREATMENT OF SKIN AILMENTS SUCH AS ECZEMA, RINGWORM, DANDRUFF, PSORIASIS, ATHLETE'S FOOT, OR ANY OF ITS SYMPTOMS. NATHAN BERNSTEIN, doing business as Castill Chemical Company, Baltimore, Md.
Filed May 11, 1938. Serial No. 406,208. PUBLISHED AUGUST 23, 1938. Class 6.

362,003. MEDICATED PREPARATIONS FOR HUMAN USE CONTAINING THE CONSTITUENTS OF VITAMIN "C". GREENOSAN LIMITED, Colchester, England.
Filed May 18, 1938. Serial No. 406,448. PUBLISHED AUGUST 23, 1938. Class 6.

362,004. PREPARATION FOR THE TREATMENT OF KIDNEY INFECTIONS AND DISEASES OF THE ALIMENTARY TRACT. SOCIETE ANONYME CHIMIE & ATOMISTIQUE, Paris, France.
Filed May 19, 1938. Serial No. 406,528. PUBLISHED AUGUST 23, 1938. Class 6.

362,005. SALVE AND LINIMENT. ROSE B. WRIGHT, Washington, D. C.
Filed May 19, 1938. Serial No. 406,539. PUBLISHED AUGUST 16, 1938. Class 6.

362,006. HEMOGLOBIN-FORMING TONIC. UNITED DRUG COMPANY, Boston, Mass.
Filed May 21, 1938. Serial No. 406,608. PUBLISHED AUGUST 23, 1938. Class 6.

362,007. ASTRINGENTS; AFTER SHAVING CREAMS AND LOTIONS; ALL TYPES OF BEAUTY CREAMS FOR THE SKIN, ETC. ARTHUR O. ANDERSON, Cedar Rapids, Iowa.
Filed May 23, 1938. Serial No. 406,627. PUBLISHED AUGUST 16, 1938. Class 6.

362,008. BILE PREPARATION FOR USE IN TREATMENT OF BILIARY DEFICIENCIES. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed May 23, 1938. Serial No. 406,653. PUBLISHED AUGUST 16, 1938. Class 6.

362,009. GOODS IN THE PIECE OF SILK, RAYON, COTTON, WOOL, AND LINEN, WOVEN, NETTED, OR KNITTED, AND/OR COMBINATIONS THEREOF. N. FLUEGELMAN & Co., INC., New York, N. Y.
Filed May 24, 1938. Serial No. 406,680. PUBLISHED AUGUST 30, 1938. Class 42.

362,010. OIL BURNERS. HOME OIL HEATING COMPANY, Passaic, N. J.
Filed May 25, 1938. Serial No. 406,716. PUBLISHED AUGUST 30, 1938. Class 34.

362,011. MEDICINAL PREPARATION—NAMELY, AN ORGANIC IODINE INUNCTION. PHYSICIANS AND HOSPITALS SUPPLY COMPANY, INC., doing business as Ulmer Pharmacal Company, Minneapolis, Minn.
Filed May 26, 1938. Serial No. 406,850. PUBLISHED AUGUST 9, 1938. Class 6.

362,012. PREPARATION USED IN THE TREATMENT OF ANGINA PECTORIS, PREPARATIONS USED IN THE TREATMENT OF GONORRHEA, ETC. VINCENT CHRISTINA, INC., New York, N. Y.
Filed June 2, 1938. Serial No. 407,007. PUBLISHED AUGUST 23, 1938. Class 6.

362,013. LIQUID FOR PRESERVING GUT LEADERS FOR FISH LINES, TENNIS RACQUETTES, AND SIMILAR ARTICLES. JACK P. EDDY, doing business as Hynes Equipment Co., Los Angeles, Calif.
Filed June 2, 1938. Serial No. 407,016. PUBLISHED AUGUST 16, 1938. Class 6.

362,014. WINES. PAUL MASSON CHAMPAGNE COMPANY, Saratoga, Calif.
Filed June 2, 1938. Serial No. 407,027. PUBLISHED AUGUST 30, 1938. Class 47.

362,015. COLD CREAM. ALICE NAILL STEELE, doing business as The Meloy Mfg. Co., Miami, Fla.
Filed June 2, 1938. Serial No. 407,040. PUBLISHED AUGUST 16, 1938. Class 6.

362,016. RESTORATIVE DENTAL APPLIANCES INCLUDING FULL DENTURES, PARTIAL DENTURES, REMOVABLE BRIDGES, CLASPS, PALATAL-BARS, ETC. VERNON-BENSHOFF COMPANY, Pittsburgh, Pa.
Filed June 2, 1938. Serial No. 407,044. PUBLISHED AUGUST 30, 1938. Class 44.

362,017. DRY AND READY MIXED PAINTS, PAINT ENAMELS, STAINS, LACQUERS, AND VARNISHES. THE H. B. DAVIS Co., Baltimore, Md.
Filed June 3, 1938. Serial No. 407,058. PUBLISHED AUGUST 30, 1938. Class 16.

362,018. MEDICINE TO RELIEVE THE EFFECTS OF OVERINDULGENCE IN DRINKING OR EATING. COASTAL PHARMACEUTICAL CO., INC., New York, N. Y.
Filed June 4, 1938. Serial No. 407,087. PUBLISHED AUGUST 16, 1938. Class 6.

362,019. PADS OF JUTE AND HAIR FOR USE IN LAUNDRY ESTABLISHMENTS. TINGUE, BROWN & Co., New York, N. Y.
Filed June 4, 1938. Serial No. 407,116. PUBLISHED AUGUST 30, 1938. Class 42.

362,020. COLD CAPSULES. LOUIS BURNSTEIN, doing business as Rux Products Co., Platte City, Mo.
Filed June 6, 1938. Serial No. 407,127. PUBLISHED AUGUST 16, 1938. Class 6.

362,021. TIRES AND INNER TUBES COMPOSED PRINCIPALLY OF RUBBER. THE NORWALK TIRE & RUBBER COMPANY, INC., Norwalk, Conn.
Filed June 7, 1938. Serial No. 407,197. PUBLISHED JULY 26, 1938. Class 35.

362,022. PREPARATION FOR THE TREATMENT OF SINUS INFECTION AND HAY FEVER. HERMAN D. SEEKAMP, St. Louis, Mo.
Filed June 9, 1938. Serial No. 407,285. PUBLISHED AUGUST 9, 1938. Class 6.

362,023. SHAVING AND TOILET SOAPS. COSBY BRUSH & IMPORT COMPANY, INC., New York, N. Y.
Filed June 10, 1938. Serial No. 407,308. PUBLISHED AUGUST 30, 1938. Class 4.

362,024. LACE MADE OF COTTON, SILK, ARTIFICIAL SILK, WOOL, MERCERIZED COTTON, ETC. GOODMAN & DESSAUER, INC., New York, N. Y.
Filed June 10, 1938. Serial No. 407,313. PUBLISHED AUGUST 30, 1938. Class 42.

362,025. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS, EXTRACTS, AND FLAVORS USED IN MAKING THE SAME. EMIL MASCOLO, doing business as C. Mascolo Bottling Works, Waterbury, Conn.
Filed June 13, 1938. Serial No. 407,438. PUBLISHED AUGUST 30, 1938. Class 45.

362,026. PREPARATION FOR HEADACHES, NEURALGIA, COLDS, AND FEVER. WILLIAM E. MANLOVE, doing business as Manlove's Laboratories, Norfolk, Va.
Filed June 14, 1938. Serial No. 407,464. PUBLISHED AUGUST 9, 1938. Class 6.

362,027. CORROSION-RESISTANT PAINT. SURFACE-PROOFING PRODUCTS, INC., New York, N. Y.
Filed June 15, 1938. Serial No. 407,509. PUBLISHED AUGUST 30, 1938. Class 16.

362,028. PEANUTS, BOTH SALTED AND PLAIN; PEANUT BUTTER. CRESCENT NUT & CHOCOLATE CO., Philadelphia, Pa.
Filed June 15, 1938. Serial No. 407,578. PUBLISHED AUGUST 30, 1938. Class 46.

362,029. SYNTHETIC CRYSTALLINE VITAMIN B_1. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y.
Filed June 17, 1938. Serial No. 407,614. PUBLISHED AUGUST 16, 1938. Class 6.

362,030. CONNECTING CLIPS FOR CONNECTING PARTS OF RADIOS OR OTHER ELECTRICAL APPARATUS IN ASSEMBLING SAME. MUELLER ELECTRIC COMPANY, Cleveland, Ohio.
Filed June 18, 1938. Serial No. 407,635. PUBLISHED AUGUST 30, 1938. Class 21.

362,031. CLEANER FOR VENETIAN BLINDS. KLESO MANUFACTURING COMPANY, New York, N. Y.
Filed June 20, 1938. Serial No. 407,675. PUBLISHED AUGUST 30, 1938. Class 4.

362,032. VITAMIN AND MINERAL CAPSULES. THE HALLE BROS. CO., Cleveland, Ohio.
Filed June 22, 1938. Serial No. 407,752. PUBLISHED AUGUST 16, 1938. Class 6.

362,033. PHARMACEUTICAL PREPARATIONS—VIZ., COMPOUND FOR RELIEF FROM PAROXYSMS OF BRONCHIAL ASTHMA OR BRONCHIAL COUGHS; CAPSULES FOR THE RELIEF OF ATTACKS OF BRONCHIAL ASTHMA OR BRONCHIAL COUGHS; NOSE AND THROAT SPRAY TO CHECK EXCESSIVE SECRETIONS ASSOCIATED WITH HAY-FEVER, AND FOR THE RELIEF OF NASAL CONGESTION. WAIN'S LABORATORY, INC., Hollywood, Calif.
Filed June 22, 1938. Serial No. 407,778. PUBLISHED AUGUST 9, 1938. Class 6.

362,034. PRESSING OIL FOR HAIR AND FOR HAIR GROWER. PEARL DOGSEND, Pittsburgh, Pa.
Filed June 23, 1938. Serial No. 407,798. PUBLISHED AUGUST 9, 1938. Class 6.

362,035. SUN TAN OIL. EUGÈNE SCHUELLER, doing business as Laboratoires de l'Ambre Solaire, Paris, France.
Filed June 23, 1938. Serial No. 407,824. PUBLISHED AUGUST 23, 1938. Class 6.

362,036. WELDING FLUX. AIR REDUCTION SALES COMPANY, New York, N. Y.
Filed June 24, 1938. Serial No. 407,841. PUBLISHED AUGUST 16, 1938. Class 6.

362,037. SILK, SATIN, RAYON, AND COTTON FABRICS, AND MIXTURES THEREOF, IN THE PIECE. DUPLAN SILK CORPORATION, New York, N. Y.
Filed June 24, 1938. Serial No. 407,854. PUBLISHED AUGUST 30, 1938. Class 42.

362,038. COMPOSITIONS BOTH IN LIQUID AND POWDERED FORM FOR TANNING EXTRACT. ROBESON PROCESS COMPANY, New York, N. Y.
Filed June 24, 1938. Serial No. 407,883. PUBLISHED AUGUST 9, 1938. Class 6.

362,039. INSECTICIDES. CLOVERSET FLOWER FARM, Kansas City, Mo.
Filed June 25, 1938. Serial No. 407,897. PUBLISHED AUGUST 9, 1938. Class 6.

362,040. WETTING AND MOISTENING PREPARATIONS, FINISHING PREPARATIONS, SMOOTHING PREPARATIONS, TANNING PREPARATIONS, THREAD AND FIBRE PENETRATING PREPARATIONS, AND THREAD AND FIBRE PROTECTING PREPARATIONS. THE HART PRODUCTS CORPORATION, New York, N. Y.
Filed June 25, 1938. Serial No. 407,902. PUBLISHED AUGUST 9, 1938. Class 6.

362,041. CANDY. WILLIAMSON CANDY COMPANY, Chicago, Ill.
Filed June 27, 1938. Serial No. 407,965. PUBLISHED AUGUST 30, 1938. Class 46.

362,042. STANDARDIZED ESTROGENIC HORMONE ESTER PREPARATION FOR USE IN MENSTRUAL DISORDERS. G. W. CARNRICK CO., Newark, N. J.
Filed June 28, 1938. Serial No. 407,974. PUBLISHED AUGUST 9, 1938. Class 6.

362,043. WOOLEN AND WORSTED PIECE GOODS. DANIEL W. FARNSWORTH, New York, N. Y.
Filed June 29, 1938. Serial No. 408,016. PUBLISHED AUGUST 30, 1938. Class 42.

362,044. PREPARATION FOR THE TREATMENT OF ANEMIC CONDITIONS PUT UP IN AMPOUL FORM. THE DRUG PRODUCTS COMPANY, INC., Long Island City, N. Y.
Filed June 30, 1938. Serial No. 408,052. PUBLISHED AUGUST 23, 1938. Class 6.

362,045. HEMATINIC PREPARATION USED FOR SECONDARY AND NUTRITIONAL ANEMIA CONDITIONS PUT UP IN TABLET FORM. THE DRUG PRODUCTS COMPANY, INC., Long Island City, N. Y.
Filed June 30, 1938. Serial No. 408,054. PUBLISHED AUGUST 16, 1938. Class 6.

362,046. CLEAR VARNISHES, LACQUERS, AND PAINT ENAMELS. THE MARIETTA PAINT & COLOR CO., Marietta, Ohio.
Filed June 30, 1938. Serial No. 408,069. PUBLISHED AUGUST 30, 1938. Class 16.

362,047. PREPARATION FOR REMOVING ADHESIVE TAPE. HERMAN J. MOSKOWITZ, Mount Vernon, N. Y.
Filed June 30, 1938. Serial No. 408,070. PUBLISHED AUGUST 23, 1938. Class 6.

362,048. LIQUID RADIATOR CEMENT, POWDERED RADIATOR CEMENT, RADIATOR RUST PREVENTATIVE, RADIATOR CLEANER, ETC. THE BELL COMPANY, INC., doing business as Flare Laboratories, Chicago, Ill.
Filed July 1, 1938. Serial No. 408,085. PUBLISHED AUGUST 23, 1938. Class 6.

362,049. CHEMICAL COMPOUNDS USED IN INSECTICIDES AND FUNGICIDES. HERCULES POWDER COMPANY, Wilmington, Del.
Filed July 1, 1938. Serial No. 408,101. PUBLISHED AUGUST 9, 1938. Class 6.

362,050. PHOTOGRAPHIC, MICROPHOTOGRAPHIC, PROJECTING, AND MICROSCOPE OBJECTIVES, AND LIGHT FILTERS FOR PHOTOGRAPHIC, MICROPHOTOGRAPHIC, PROJECTING, AND MICROSCOPIC PURPOSES. CARL ZEISS, Jena, Germany.
Filed July 1, 1938. Serial No. 408,179. PUBLISHED AUGUST 30, 1938. Class 26.

362,051. MOSQUITO REPELLANT AND INSECTICIDE. GUS H. FRENCH, doing business as French Laboratories, Minneapolis, Minn.
Filed July 5, 1938. Serial No. 408,189. PUBLISHED AUGUST 9, 1938. Class 6.

362,052. WIND-DRIVEN ELECTRIC GENERATOR APPARATUS. PARRIS-DUNN CORPORATION, Clarinda, Iowa.
Filed July 5, 1938. Serial No. 408,203. PUBLISHED AUGUST 30, 1938. Class 21.

362,053. PREPARATION USED TO TREAT COLDS AND BRONCHITIS. ENDO PRODUCTS, INC., New York, N. Y.
Filed July 6, 1938. Serial No. 408,238. PUBLISHED AUGUST 9, 1938. Class 6.

362,054. NERVE TONIC. VIVER CHEMICAL COMPANY, Carthage, N. Y.
Filed July 6, 1938. Serial No. 408,255. PUBLISHED AUGUST 16, 1938. Class 6.

362,055. JEWELRY CLEANER. THOMAS CHEMICAL PRODUCTS CO., INC., New York, N. Y.
Filed July 7, 1938. Serial No. 408,290. PUBLISHED AUGUST 30, 1938. Class 4.

362,056. ANTIPYRETIC AND ANALGESIC PREPARATION USED WHERE SALICYLATE THERAPY IS INDICATED. EASTERN PHARMACAL CO., INC., Yonkers, N. Y.
Filed July 8, 1938. Serial No. 408,312. PUBLISHED AUGUST 16, 1938. Class 6.

362,057. PREPARATION FOR CLEANING GLASS WINDOWS, WINDSHIELDS, AND THE LIKE. C. M. KIMBALL CO., Everett, Mass.
Filed July 9, 1938. Serial No. 408,333. PUBLISHED AUGUST 30, 1938. Class 4.

362,058. PREPARATION USED IN THE TREATMENT OF ANTACID, ADSORBENT, ANTIPEPTIC, AND ANTITOXIC, IN GASTRIC ULCER, GASTRIC HYPERACIDITY, AND SIMILAR DISORDERS. AMFRE DRUG CO. INCORPORATED, New York, N. Y.
Filed July 9, 1938. Serial No. 408,336. PUBLISHED AUGUST 23, 1938. Class 6.

362,059. NON-INFLAMMABLE LIQUID CLEANING COMPOSITION USED FOR THE CLEANING OF LEATHER AND ALL TYPES OF FABRICS AND RUGS, MATTRESSES, LAMP SHADES, VENETIAN BLINDS, WINDOW SHADES, FURNITURE UPHOLSTERY, WEARING APPAREL, AND ALL GENERAL HOUSEHOLD CLEANING USES. MARION LABORATORIES, INC., Chicago, Ill.
Filed July 11, 1938. Serial No. 408,389. PUBLISHED AUGUST 30, 1938. Class 4.

362,060. SOAP POWDER. TEX-ITE PRODUCTS CORPORATION, Brooklyn, N. Y.
Filed July 11, 1938. Serial No. 408,404. PUBLISHED AUGUST 30, 1938. Class 4.

362,061. HAIR COLORING PREPARATION KNOWN AS OIL SHAMPOO TINT. GEORGE KREMER, doing business as General Beautilities Co., New York, N. Y.
Filed July 12, 1938. Serial No. 408,426. PUBLISHED AUGUST 16, 1938. Class 6.

362,062. MEN'S TOILETRIES, INCLUDING HAIR DRESSING, TALCUM POWDER, AND COLOGNE. BRUNSWIG DRUG CO., Los Angeles, Calif.
Filed July 13, 1938. Serial No. 408,450. PUBLISHED AUGUST 23, 1938. Class 6.

362,063. FULL LINE OF COSMETICS INCLUDING FACE POWDER, ROUGE, LIPSTICK, COLD CREAM, EMULSIFIED CLEANSING CREAM, TISSUE CREAM, FOUNDATION CREAM, LIQUEFYING CLEANSING CREAM, SKIN TONIC, AND SKIN LOTION. BRUNSWIG DRUG CO., Los Angeles, Calif.
Filed July 13, 1938. Serial No. 408,452. PUBLISHED AUGUST 23, 1938. Class 6.

362,064. BEER. RENO BREWING COMPANY, INC., Reno, Nev.
Filed July 13, 1938. Serial No. 408,476. PUBLISHED AUGUST 30, 1938. Class 48.

362,065. DENTURES—NAMELY, PORCELAIN INLAYS, PORCELAIN JACKET CROWNS, PORCELAIN BRIDGES, ETC. JACQUITH P. SWANN, Chicago, Ill.
Filed July 13, 1938. Serial No. 408,479. PUBLISHED AUGUST 30, 1938. Class 44.

362,066. LIQUID CLEANER FOR ALL TYPES OF CHINA PLUMBING FIXTURES. COLUMBIA PRODUCTS CORPORATION, Washington, D. C.
Filed July 14, 1938. Serial No. 408,494. PUBLISHED AUGUST 30, 1938. Class 4.

362,067. PIECE GOODS OF COTTON, RAYON, LINEN, OR WOOLEN, OR MIXTURES THEREOF. THE POND LILY COMPANY, New Haven, Conn.
Filed July 14, 1938. Serial No. 408,508. PUBLISHED AUGUST 30, 1938. Class 42.

362,068. NOSE DROPS. THE RHINOPTO COMPANY, Dallas, Tex.
Filed July 14, 1938. Serial No. 408,509. PUBLISHED AUGUST 23, 1938. Class 6.

362,069. MEDICINAL TABLETS CONTAINING VITAMIN CONCENTRATES USEFUL TO CORRECT SYSTEMIC IMBALANCES AND ILLNESSES WHICH ARE THE RESULT OF VITAMIN DEFICIENCY, AND CLEANSING AND TISSUE CREAM CONTAINING IRRADIATED VITAMIN D AND OTHER NATURAL VITAMIN CONCENTRATES. VITAMIN PRODUCTS CO., Montebello, Calif.
Filed July 14, 1938. Serial No. 408,522. PUBLISHED AUGUST 23, 1938. Class 6.

362,070. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS, EXTRACTS, AND FLAVORS USED IN MAKING THE SAME. JOSEPH A. SCHIBUSKA, doing business as Big Boy Bottling Company, Wildwood, Fla.
Filed July 15, 1938. Serial No. 408,550. PUBLISHED AUGUST 30, 1938. Class 45.

362,071. SALVE FOR EXTERNAL USE IN TREATMENT OF CARBUNCLES, ABSCESSES, RINGWORMS, ATHLETIC FEET, TRENCH FEET, AND FOR INFECTIONS OF ALL KINDS. MIRIAM A. WEIL, Savannah, Ga.
Filed July 15, 1938. Serial No. 408,555. PUBLISHED AUGUST 23, 1938. Class 6.

362,072. PERFUME. LONDON HOUSE, LTD., New York, N. Y.
Filed July 18, 1938. Serial No. 408,607. PUBLISHED AUGUST 23, 1938. Class 6.

362,073. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS, EXTRACTS, AND FLAVORS USED IN MAKING THE SAME. MISCOE SPRING WATER COMPANY, Mendon, Mass.
Filed July 18, 1938. Serial No. 408,616. PUBLISHED AUGUST 30, 1938. Class 45.

362,074. SOOTHING AND PAINLESS PREPARATION FOR BURNS AND GENERAL HEALING. EDWARD C. PETERSON, Elmira, N. Y.
Filed July 19, 1938. Serial No. 408,737. PUBLISHED AUGUST 30, 1938. Class 6.

362,075. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS, AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. THE RED ROCK CO., Atlanta, Ga.
Filed July 21, 1938. Serial No. 408,763. PUBLISHED AUGUST 30, 1938. Class 45.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

362,076. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) S. H. KRESS AND COMPANY, New York, N. Y. Filed May 9, 1934. Serial No. 351,125.

Fairfield

Applicant is the owner of United States trade-mark registrations Number 230,803, issued Aug. 2, 1927, and Number 315,828, issued Aug. 7, 1934.
For Biscuits, Cakes, Crackers, Cookies, Chocolates, and Chewing Gum.
Claims use since January, 1925.

362,077. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) PECO MANUFACTURING CORPORATION, Philadelphia, Pa. Filed Feb. 6, 1936. Serial No. 374,568.

"Skyd-Pruf"

For Tire Treating and Treading Machines, Incision Cutting Devices, and Tools Used in Connection Therewith.
Claims use since Jan. 7, 1936.

362,078. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) RYAN CONVERTING CORPORATION, New York, N. Y. Filed June 30, 1937. Serial No. 394,726.

Perfection Poplin

For Piece Goods of Linen, Cotton, Linen and Cotton, Cotton and Wool, and Rayon.
Claims use since May 14, 1937.

362,079. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HAROLD M. PITMAN COMPANY, Chicago, Ill. Filed Aug. 19, 1937. Serial No. 396,577.

GLASPRINT

For Solution for Coating Photographic Glass Plates, a Solution for Sensitizing Photographic Plates, and a Solution for Developing Photographic Glass Plates to be Used in the Making of Photographic Prints from Negatives to Positives.
Claims use since July 20, 1937.

362,080. (CLASS 39. CLOTHING.) HERBERT M. BIRCH, Washington, D. C. Filed Aug. 23, 1937. Serial No. 396,660.

SHADOSLAKS

For Women's Trousers, Slacks, and Pajamas.
Claims use since July 29, 1937.

362,081. (CLASS 39. CLOTHING.) CLELAND SIMPSON COMPANY, Scranton, Pa. Filed Sept. 14, 1937. Serial No. 397,400.

BRENTON

For Boys' and Men's Clothing—Namely, Long Pants, Knicker and Rugby Suits, Overcoats, Topcoats, Negligee and Sport Shirts, and Blouses.
Claims use since Aug. 20, 1937.

362,082. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) COOK PAINT & VARNISH COMPANY, North Kansas City, Mo. Filed Sept. 17, 1937. Serial No. 397,502.

WEATHERWEAR HOUSE TRADE MARK PAINT

For Ready-Mixed Paints.
Claims use since Sept. 8, 1937.

362,083. (CLASS 39. CLOTHING.) LANDE & MISKEND, INC., New York, N. Y. Filed Sept. 18, 1937. Serial No. 397,539.

A nightie for every night

For Women's and Misses' Nightgowns and Pajamas.
Claims use since Sept. 14, 1937.

362,084. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) DIXIE BRONZE COMPANY, Birmingham, Ala. Filed Sept. 20, 1937. Serial No. 397,572.

CRUCIBLE

For Antifriction Metals.
Claims use since Sept. 17, 1937.

362,085. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RIVERSIDE CITRUS ASS'N., Riverside, Calif. Filed Oct. 1, 1937. Serial No. 398,020.

VERIFINE

For Fresh Citrus Fruits.
Claims use since Sept. 15, 1937.

362,086. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SPINNEY COMPANY, INC., Hoboken, N. J. Filed Nov. 11, 1937. Serial No. 399,624.

STOP THAT COLD

Nasal-Ease

For Preparation for the Relief of Head Colds, Catarrh, and Sore Throat.
Claims use since Sept. 11, 1937.

362,087. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE REVLON NAIL ENAMEL CORPORATION, New York, N. Y. Filed Nov. 16, 1937. Serial No. 399,807.

SIERRA

For Enamel Adapted for Coating Finger Nails.
Claims use since Sept. 16, 1937.

362,088. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE REVLON NAIL ENAMEL CORPORATION, New York, N. Y. Filed Nov. 16, 1937. Serial No. 399,808.

SUEZ

For Enamel Adapted for Coating Finger Nails.
Claims use since Sept. 16, 1937.

362,089. (CLASS 33. GLASSWARE.) OWENS-ILLINOIS PACIFIC COAST COMPANY, San Francisco, Calif. Filed Jan. 28, 1938. Serial No. 402,440.

SE-ALL

For Glass Jars and Bottles Used as Containers for Fruits, Vegetables, and Other Food Products.
Claims use since Aug. 16, 1937.

362,090. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) NILS GEORG SCHÖNANDER, doing business as Ingeniörsfirma Georg Schönander, Stockholm, Sweden. Filed Mar. 18, 1938. Serial No. 404,232.

LYSHOLM SCHÖNANDER

For Electrotechnical Apparatus for Medical and Surgical Purposes, Especially Röntgen Apparatus, and Parts Thereof.
Claims use since July 20, 1936.

362,091. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK T. STONE, doing business as Potomac Chemical Co., Arlington, Va. Filed Mar. 22, 1938. Serial No. 404,384.

STUART'S

For Face and Hand Lotion.
Claims use since July 1, 1910.

362,092. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LAWRENCE THORSCH LEVY, doing business as River Jordan Herb Co., Cleveland, Ohio. Filed Apr. 16, 1938. Serial No. 405,359.

River Jordan (Brand) (Ancient) Herbs

The words "Brand" and "Herbs" are not claimed except in association with the other features of the mark.
For Medicinal Laxative and Diuretic Preparation.
Claims use since July 1, 1937.

362,093. (CLASS 12. CONSTRUCTION MATERIALS.) LASTING PRODUCTS COMPANY, Baltimore, Md. Filed May 5, 1938. Serial No. 406,022.

FORM-STONE

For Artificial Stone Wall Facings.
Claims use since Oct. 9, 1936.

362,094. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) LOUIS SORKIN, doing business as Sorkin Music Company, New York, N. Y. Filed May 5, 1938. Serial No. 406,033.

BELTONE

For Band Instruments—Namely, Trumpets and Cornets, Harmonicas, and Accordions.
Claims use since Sept. 1, 1937.

362,095. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) MODERN NECESSITIES, Chicago, Ill. Filed May 14, 1938. Serial No. 406,344.

GAUZTAPE

For Adhesive Gauze.
Claims use since July 27, 1937.

362,096. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARY K. MAGAW, doing business as Krutz Ranch, Indio, Calif. Filed May 28, 1938. Serial No. 406,869.

PERSIAN STARR

For Fresh Citrus Fruits and Dates.
Claims use since December, 1936.

362,097. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MERRIMACK MANUFACTURING COMPANY, Lowell, Mass. Filed June 4, 1938. Serial No. 407,103.

FANCIKORD

For Cotton Pile Fabrics.
Claims use since June, 1930.

362,098. (CLASS 39. CLOTHING.) PHILIP SHLANSKY & BRO., INC., New York, N. Y. Filed June 30, 1938. Serial No. 408,076.

The British Topper
Fashioned by
DONNY BROOK

For Women's and Misses' Coats and Suits.
Claims use since Mar. 25, 1937.

362,099. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HERCULES POWDER COMPANY, Wilmington, Del. Filed July 6, 1938. Serial No. 408,242.

STARBUCK GUM

For Water Soluble Gum Used in the Finishing of Silk and Rayon Textiles.
Claims use since Mar. 9, 1934.

362,100. (CLASS 39. CLOTHING.) CLUETT, PEABODY & Co., INC., Troy, N. Y. Filed July 14, 1938. Serial No. 408,493.

HITT

For Collars and Negligee and Dress Shirts.
Claims use since November, 1927.

362,101. (CLASS 39. CLOTHING.) S. WEITZ & COMPANY, INC., Cleveland, Ohio. Filed July 20, 1938. Serial No. 408,735.

WICKLOW FLEECE
BRITISH FASHIONED

For Men's and Boys' Overcoats.
Claims use since June 8, 1937.

362,102. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HATTIE CARNEGIE, INC., New York, N. Y. Filed July 23, 1938. Serial No. 408,829.

Hattie Carnegie

For Lipsticks, Rouge, Face Powder, Eyelash and Eyebrow Mascara, Creams for the Hands and Face, Preparations for the Skin, Hair, Body, and Fingernails, Toilet Waters, Astringents, Perfumes.
Claims use since Jan. 1, 1919.

362,103. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LACLEDE PACKING COMPANY, St. Louis, Mo. Filed July 28, 1938. Serial No. 409,018.

Flavor-ized

For Meat Products—Namely, Hams, Smoked Butts, and Smoked Picnic Hams.
Claims use since Mar. 1, 1937.

362,104. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE DORSON CORPORATION, Chicago, Ill. Filed Aug. 1, 1938. Serial No. 409,146.

Sentinel

For Watchmen's Time Recorders and Time Stamps.
Claims use since Apr. 1, 1937.

362,105. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) KRAUS BROS & Co., INC., New York, N. Y. Filed Aug. 26, 1938. Serial No. 409,999.

Tuxedo Park
Club

For Whiskies, Gins, and Alcoholic Cordials.
Claims use since March, 1934.

362,106. (CLASS 15. OILS AND GREASES.) ROYAL PETROLEUM CORPORATION, New York, N. Y. Filed Aug. 26, 1938. Serial No. 410,004.

"ALL THAT THE NAME IMPLIES"

For Fuel and Heating Oils.
Claims use since December, 1934.

362,107. (CLASS 17. TOBACCO PRODUCTS.) PHILIP MORRIS & Co. LTD. INCORPORATED, New York, N. Y. Filed Sept. 20, 1938. Serial No. 410,798.

ENGLISH OVALS

For Cigarettes.
Claims use since Mar. 30, 1918.

TRADE-MARK REGISTRATIONS RENEWED

16,308. A NEW HYPNOTIC. Registered February 26, 1889. FARBENFABRIKEN, VORMALS FR. BAYER & Co., Elberfeld, Germany. Re-renewed February 26, 1939, to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

122,826. MINERAL WAXES. Registered September 17, 1918. SMITH & NICHOLS, INC., New York, N. Y., a corporation of New York. Renewed September 17, 1938.

123,018. CHEMICALS — VIZ., DYESTUFFS, ANILIN DYES, AND ANILIN COLORS. Registered October 8, 1918. JOHN CAMPBELL & Co. Renewed October 8, 1938, to John Campbell & Co., Inc., New York, N. Y., a corporation of New Jersey, assignee.

123,069. PREPARATION FOR DISEASES OF THE ANO-RECTAL REGION. Registered October 8, 1918. HENRY THAYER & Co., INC. Renewed October 8, 1938, to Henry Thayer & Co., Inc., Cambridge, Mass., a corporation of Massachusetts, assignee by mesne assignments.

123,155. PRESCRIPTION-BLANKS. Registered October 15, 1918. PORTLAND LABEL CO., INC. Renewed October 15, 1938, to Portland Box and Label Co., Milwaukie, Oreg., a corporation of Oregon, successor.

123,278. CONVERTIBLE AUTOMOBILE-TOPS. Registered October 22, 1918. REX MANUFACTURING COMPANY, Connersville, Ind., a corporation of Indiana. Renewed October 22, 1938.

123,319. CERTAIN NAMED CANNED FOODS. Registered October 29, 1918. THE BERDAN COMPANY, as assignee of Berdan & Co., Toledo, Ohio. Renewed October 29, 1938, to Lee & Cady, Detroit, Mich., a corporation of Michigan, assignee by mesne assignments.

123,402. A CHEMICAL COMPOUND USED IN WATER FOR BATHING PURPOSES. Registered October 29, 1918. GUSTAVE WENZELMANN. Renewed October 29, 1938, to Gustave Wenzelmann, doing business as Wenzelmann Chemical Works, Galesburg, Ill.

123,572. LUBRICATING OILS AND GREASES. Registered November 19, 1918. CREW LEVICK COMPANY, Philadelphia, Pa. Renewed November 19, 1938, to Cities Service Oil Company, Bartlesville, Okla., a corporation of Delaware, assignee by mesne assignments.

123,966. A LARD SUBSTITUTE—NAMELY, A COMPOUND OF PEANUT-OIL AND OLEO-STEARIN. Registered December 31, 1918. ARMSTRONG PACKING COMPANY. Renewed December 31, 1938, to Armstrong Packing Company, Dallas, Tex., a corporation of Texas, assignee.

124,525. SNAP-FASTENERS AND PLACKET-FASTENERS. Registered February 25, 1919. FEDERAL SNAP FASTENER CORPORATION, New York, N. Y. Renewed February 25, 1939, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York, assignee by mesne assignments.

124,526. SNAP-FASTENERS AND PLACKET-FASTENERS. Registered February 25, 1919. FEDERAL SNAP FASTENER CORPORATION, New York, N. Y. Renewed February 25, 1939, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York, assignee by mesne assignments.

124,576. A HOUSE ORGAN PUBLISHED MONTHLY. Registered February 25, 1919. THE E. L. PATCH COMPANY, Stoneham, Mass., a corporation of Massachusetts. Renewed February 25, 1939.

124,670. LUBRICANTS CONSISTING OF OILS AND GREASES. Registered March 11, 1919. KEYSTONE LUBRICATING COMPANY, as assignee of Augustus Crane Buzby. Renewed March 11, 1939, to Keystone Lubricating Company, Philadelphia, Pa., a corporation of Pennsylvania, assignee.

124,704. SNAP-FASTENERS AND PLACKET-FASTENERS. Registered March 11, 1919. FEDERAL SNAP FASTENER CORPORATION, New York, N. Y. Renewed March 11, 1939, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York, assignee by mesne assignments.

124,762. CERTAIN NAMED CLOTHING FOR MEN, WOMEN, AND CHILDREN. Registered March 11, 1919. RICE-STIX DRY GOODS COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed March 11, 1939.

124,987. TEA. Registered April 1, 1919. PARK & TILFORD, New York, N. Y., a corporation of New York. Renewed April 1, 1939.

125,063. WOOD-PULPS. Registered April 8, 1919. LAGERLOEF TRADING CO. INC., New York, N. Y., a corporation of New York. Renewed April 8, 1939.

125,103. A SEMIMONTHLY PUBLICATION. Registered April 8, 1919. TECHNICAL PUBLISHING COMPANY, Chicago, Ill., a corporation of Illinois. Renewed April 8, 1939.

LABELS

REGISTERED NOVEMBER 8, 1938

52,035.—*Title:* RANDY MacTAGGART BLENDED SCOTCH TYPE WHISKY. For Whisky. D. J. BIELZOFF PRODUCTS CO., Chicago, Ill. Published October 10, 1938.

52,036.—*Title:* SHELLING. For a Lotion. GLORIA BRISTOL, LTD., New York, N. Y. Published December 15, 1937.

52,037.—*Title:* CHESTERTON. For Beer. BURLINGTON BREWING COMPANY, Wilmington, Del., Burlington, Wis., and Chicago, Ill. Published June 21, 1938.

52,038.—*Title:* GAST GOLDEN LAGER. For Lager Beer. GAST BOTTLING CORP., St. Louis, Mo. Published August 15, 1938.

52,039.—*Title:* A.R.P.I. PROCESS VITAMIN CONCENTRATED VITAMIN D IN EVAPORATED MILK. For a Concentrated, Sterilized Preparation of Activated Ergosterol, A.R.P.I. Process, in Unsweetened Evaporated Milk for Use in Fortifying Fluid Milk and Other Food Products. GENERAL MILLS, INC., Minneapolis, Minn. Published September 8, 1938.

52,040.—*Title:* A.R.P.I. PROCESS VITAMIN CONCENTRATED VITAMIN D IN EVAPORATED MILK. For a Concentrated, Sterilized Preparation of Activated Ergosterol, A.R.P.I. Process, in Unsweetened Milk for Use in Fortifying Milk and Other Food Products. GENERAL MILLS, INC., Minneapolis, Minn. Published September 8, 1938.

52,041.—*Title:* A.R.P.I. PROCESS VITAMIN CONCENTRATED VITAMIN D IN EVAPORATED MILK. For a Concentrated, Sterilized Preparation of Activated Ergosterol, A. R. P. I. Process, in Unsweetened Evaporated Milk for Use in Fortifying Bread and Other Food Products. GENERAL MILLS, INC., Minneapolis, Minn. Published September 23, 1938.

52,042.—*Title:* GRAFO-PLATING. For a Heat Resisting Lubricant. GRAFO MFG. CO., Chicago, Ill. Published May 4, 1938.

52,043.—*Title:* TYROLEAN. For Lager Beer. ROBERT H. GRAUPNER, INC., Harrisburg, Pa. Published April 7, 1938.

52,044.—*Title:* HUDSON'S COMPOUND. For a Compound Used Exclusively as a Vaginal Douche. FANNIE L. HUDSON, New Orleans, La. Published March 2, 1938.

52,045.—*Title:* PABLUM. For Pre-Cooked Cereal Mixture, Vitamin and Mineral Enriched. MEAD JOHNSON & COMPANY, Evansville, Ind. Published September 15, 1938.

52,046.—*Title:* JOHNSON'S PERFECTONE WHITE GLOSS ENAMEL. For Enamel. S. C. JOHNSON & SON, INC., Racine, Wis. Published September 24, 1937.

52,047.—*Title:* SPRAYETTE THE FOUNTAIN OF YOUTH FOR YOUR HAIR. For a Hair Reviver. JAMES B. JONES, Evanston, Ill. Published May 2, 1938.

52,048.—*Title:* JOLLY GULP. For Frozen Confections. PECTIN INDUSTRIES, INC., Chicago, Ill. Published October 1, 1938.

52,049.—*Title:* MY-T-FINE. For a Mixture of Sugar Cornstarch, Cocoa, Nuts, Salt and Vanilla for Making a Nut Chocolate Flavor Dessert. PENICK & FORD, LTD. INCORPORATED, New York, N. Y. Published August 16, 1938.

52,050.—*Title:* MY-T-FINE. For a Mixture of Sugar, Cornstarch, Salt, Vanilla and U. S. Certified Food Color for Making a Vanilla Flavor Dessert. PENICK & FORD, LTD. INCORPORATED, New York, N. Y. Published August 16, 1938.

52,051.—*Title:* MY-T-FINE. For a Mixture of Sugar, Cornstarch, Salt, Flavoring and U. S. Certified Food Color for Making a Butterscotch Flavor Dessert. PENICK & FORD, LTD. INCORPORATED, New York, N. Y. Published August 16, 1938.

52,052.—*Title:* MY-T-FINE. For a Mixture of Sugar, Cornstarch, Cocoa, Salt and Vanilla for Making a Chocolate Flavor Dessert. PENICK & FORD, LTD. INCORPORATED, New York, N. Y. Published August 16, 1938.

52,053.—*Title:* "QUICK" SOLVENT. For a Solvent Especially Prepared for the Removal of Lime and Rust from the Radiator and Block of Automotive Cooling Systems. JAS. I. PENNY, doing business as Quick Products Company, Lubbock, Texas. Published August 8, 1938.

52,054.—*Title:* ROBBS POPCORN SEASONING. For Pop-Corn Seasoning. D. N. Robertson, St. Louis, Mo. Published September 19, 1938.

52,055.—*Title:* ROBBS POPCORN. For Fancy Selected South American Variety Pop-Corn. D. N. ROBERTSON, St. Louis, Mo. Published September 19, 1938.

52,056.—*Title:* TAX-TELLER ALARM. For Rental Receipts. Vinnie J. Salaway, Elmhurst, Ill. Published August 13, 1938.

52,057.—*Title:* SCOTTISSUE TOWELS. For Paper Towels. SCOTT PAPER COMPANY, Chester, Pa. Published September 7, 1938.

52,058.—*Title:* TEA GARDEN MANGO CHUTNEY. For Mango Chutney. TEA GARDEN PRODUCTS CO., San Francisco, Calif. Published July 28, 1938.

52,059.—*Title:* HOSTESS. For California Sherry. TENNER BROTHERS, Charlotte, N. C. Published September 25, 1938.

52,060.—*Title:* VANEX. For a Mixture of Aromatic Flavoring Materials, Guaranteed Not to Bake, Boil or Freeze Out. VANEX, INC., Detroit, Mich. Published August 1, 1935.

52,061.—*Title:* ROLLE INSTANT TEA CONCENTRATE. For a Tea Concentrate. VEGETABLE JUICES, INC., Chicago, Ill. Published August 1, 1938.

52,062.—*Title:* RENTSCHLERIZING. For Meats. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Published September 12, 1938.

52,063.—*Title:* WHITAKER'S BLUE POINT. For Cigars. JAMES F. WHITAKER, doing business as J. F. Whitaker Cigar Co., Salt Lake City, Utah. Published April 9, 1938.

52,064.—*Title:* V.V.O. For California Grape Brandy. WINE CORPORATION OF AMERICA, Chicago, Ill. Published January 20, 1938.

PRINTS

REGISTERED NOVEMBER 8, 1938

17,106.—*Title:* REX COUPON SYSTEM. For a Mineral Cleanser and Water Softener. WALTER J. BERGER, Chicago, Ill. Published September 26, 1938.

17,107.—*Title:* OUR COPY CLICKS. For Advertising Copy. MAX GOLDBERG, Denver, Colo. Published May 3, 1938.

17,108.—*Title:* WILLIAM JAMESON IRISH AMERICAN BRAND WHISKEY. For Whiskey. WILLIAM JAMESON & COMPANY, INC., New York, N. Y. Published April 1, 1938.

17,109.—*Title:* LIP LURE—THE LIQUID LIPSTICK. For Lipsticks. LIP LURE INC., Jersey City, N. J. Published September 2, 1938.

17,110.—*Title:* LITTLE OSCAR. For Wieners. OSCAR MAYER & COMPANY, Chicago, Ill. Published July 5, 1938.

17,111.—*Title:* FOR SOCIAL SECURITY. For Liquid Body Deodorant, Cream Body Deodorant, Antiseptic Mouth Wash, Tooth Powder, Tooth Paste, Sanitary Napkins, Hair Shampoo, Hair Tonic, Hand Lotion, Soap, Bath Salts and Chewing Gum. MELDRUM AND FEWSMITH, INC., Cleveland, Ohio. Published August 19, 1938.

17,112.—*Title:* APPLICATION OF WONDER WELD. For a Boiler Compound. MILLER MANUFACTURING CO., Camden, N. J. Published July 27, 1938.

17,113.—*Title:* GIVE YOUR HAND AND BRAIN THE SAME CHANCE THAT OTHERS GIVE THEIRS. For Fountain Pens, Mechanical Pencils and Ink. THE PARKER PEN COMPANY, Janesville, Wis. Published October 8, 1938.

17,114.—*Title:* THE AUDI-GRAM. For a Nasal Apparatus for Insufflation of the Eustachian Tubes in Catarrhal Deafness. JAMES C. ROSS, Los Angeles, Calif. Published May 27, 1938.

REISSUES

NOVEMBER 8, 1938

20,909

DISCHARGE TUBE

André Claude, Nanterre, France, assignor to Société Anonyme pour les Applications de l'Electricite et des Gaz Rares Etablissements Claud-Paz & Silva, Paris, France, a corporation of France

No Drawing. Original No. 2,030,963, dated February 18, 1936, Serial No. 718,885, April 3, 1934. Application for reissue February 11, 1938, Serial No. 190,131. In France April 8, 1933

16 Claims. (Cl. 176—122)

10. In the method of providing the inner surface of luminous tubes with a layer of luminescent substance by the intermediary of a binding agent, by wiping said surface with a plug involving an elastic material in contact with the binding agent, the step which comprises moving said plug through the tube by an inner gaseous pressure, said pressure being adjustable in all the positions of the plug, during the displacement of the latter.

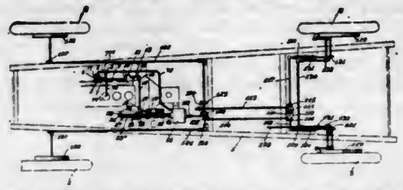
20,910

FLUID PRESSURE BRAKE

Edward A. Rockwell, Chicago, Ill., assignor, by mesne assignments, to General Auto Parts Corporation, a corporation of Delaware

Original No. 1,896,374, dated February 7, 1933, Serial No. 238,828, December 9, 1927. Application of reissue June 1, 1934, Serial No. 728,561

36 Claims. (Cl. 188—152)



1. In an apparatus for the purpose indicated, in combination with a source of fluid pressure different from the atmospheric pressure, mechanism adapted to be controlled by said pressure for work-performing movement, means operable at will and connections therefrom for controlling the communication of said fluid pressure with said mechanism intermittently, said connections comprising means for intermittently applying and relieving said pressure and applying from said connections a greater force closing the pressure relief than the force opening the communication, the same being adapted to vary the application of said pressure in both increasing and decreasing amounts according to the increasing and decreasing amounts of force applied to said connections.

20,911

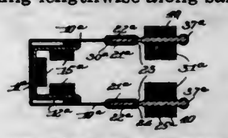
WINDOW CHANNEL

Adolph Rydquist, Rochester, N. Y., assignor to The Schlegel Manufacturing Company, Rochester, N. Y., a corporation of New York

Original No. 2,037,487, dated April 14, 1936, Serial No. 697,464, November 10, 1933. Application for reissue August 25, 1936, Serial No. 97,833

17 Claims. (Cl. 296—44.5)

17. As a new article of manufacture, a device for mounting and cushioning windows and the like, comprising a strip of woven textile material lying approximately flat in a plane when in normal position of use, a body of relatively long stiff pile projecting a material distance from one face of said strip, and two separate metallic stiffening elements running lengthwise along said strip, one



adjacent each marginal edge thereof, said strip also including stiffening wire means extending transversely across said strip approximately from one edge to the other thereof.

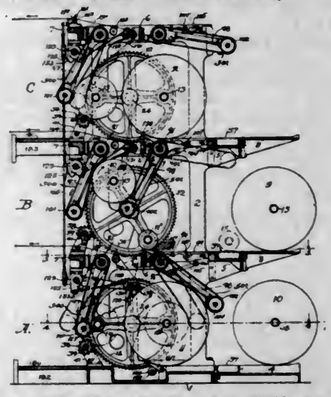
20,912

ROLL CHANGER FOR PRINTING PRESSES

Bruce C. White, deceased, late of New York, N. Y., by Irving Trust Company, New York, N. Y., trustee for and assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Original No. 1,855,503, dated April 26, 1932, Serial No. 646,592, June 20, 1923. Application for reissue April 4, 1934, Serial No. 719,061

61 Claims. (Cl. 242—58)



59. In a roll changer for a printing press, a rotary holder for mounting a plurality of rolls of paper in a manner to permit them to freely rotate about their axes, a belt engaging the periphery of the roll for starting and speeding up a fresh roll of paper carried by the holder, preparatory to joining the web of said fresh roll to a web running from an exhausting roll carried by the holder and before the fresh roll is in contact with the running web, and mechanism for joining the said webs and for severing the web of the exhausting roll; said belt being adapted to control the tension on a web running from the fresh roll after a join is made.

20,913

TRACK SANDER

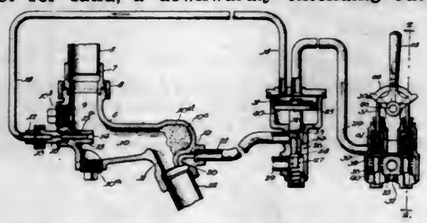
William H. White, Roanoke, Va., assignor to Morris B. Brewster Co. Inc., Chicago, Ill.

Original No. 2,030,669, dated February 11, 1936, Serial No. 710,257, February 8, 1934. Application for reissue November 15, 1937, Serial No. 176,077

3 Claims. (Cl. 291—3)

1. In sanding apparatus of the character de-

scribed, the combination of an elongated, horizontally extending casing provided with an inlet duct for sand, a downwardly extending outlet



duct and a cross wall outwardly of the outlet duct at its other end, and a longitudinally extending trap-conduit between the two ducts, a discharge pipe connected to said outlet duct, a nozzle at said one end of the casing for discharging fluid under pressure into the trap conduit to force sand through the outlet duct, and means for cleaning the discharge pipe with fluid under pressure comprising a member formed integrally with, and as a part of, the lower portion of said other end of the casing and having a horizontal inlet passage for the fluid leading through the cross wall and a discharge passage leading downwardly from the inner end of the inlet passage and arranged to discharge the fluid into and longitudinally of the discharge pipe, said member being arranged so that it overlies the rear portion of the outlet duct of the casing and forms with said cross wall and the other portions of said other end of the casing a pocket for permitting a portion of the sand in the casing to pack therein and to deflect into the outlet duct the sand moved by the fluid under pressure from the nozzle.

PLANT PATENTS

GRANTED NOVEMBER 8, 1938

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

303

ROSE

Francis Meilland, Tassin-les-Lyon, France, assignor to The Conard-Pyle Company, West Grove, Pa.

Application February 28, 1938, Serial No. 193,165

1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant, characterized by its unusual vigor of growth, the straightness and sturdiness of bloom stem, combined with the abundant petalage, attractive form in all stages of development, and deep and lasting color of its blossoms, substantially as shown and described.

304

ROSE

Domenico Aicardi, San Remo, Italy, assignor to Jackson & Perkins Company, Newark, N. Y.

Application August 10, 1937, Serial No. 158,413

1 Claim. (Cl. 47—61)

A new and distinct variety of Hybrid Tea rose plant, characterized by its great vigor and hardiness for outdoor use, the large size and vermilion color of its flowers, and its particular adaptability for under glass culture for the cut rose market, substantially as shown and described.

PATENTS

GRANTED NOVEMBER 8, 1938

2,135,478

DOFFING BRUSH CYLINDER

Joseph W. Behle, Dallas, Tex., assignor to The Murray Company, Dallas, Tex., a corporation of Texas

Application August 9, 1937, Serial No. 158,109

11 Claims. (Cl. 19—60)



1. A doffing cylinder for cotton machines including, end members each having recesses formed around its marginal portion, longitudinal brush bars extending between the members and mounted in corresponding recesses of the members, each member having a peripheral flange, and means engaging the brush bars and secured to the flanges of the members for retaining said bars within said recesses.

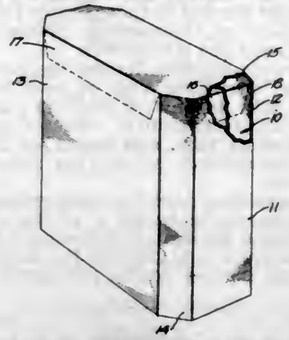
2,135,479

METHOD AND MEANS OF PACKING FOODS

Samuel H. Berch, Beverly Hills, Calif.

Application July 14, 1937, Serial No. 153,646

11 Claims. (Cl. 99—152)



1. A method of packing coffee which comprises placing the coffee within an inner container from which gases from the coffee may leak, thereafter enclosing the container within a flexible envelope impervious to air and moisture, then evacuating the air from the envelope to cause it to collapse against the side wall of the inner container, after which the envelope is sealed to entrap the gases emanating from the coffee whereby they may occupy the space occurring between the container and the envelope to provide a preservative medium for the coffee.

11. A method of packing food products evolving gas, which consists in placing the product within an inner container not impervious to gas, enclosing said inner container in an outer flexible envelope, the walls of which are impervious to air and moisture and vacuumizing the air from the envelope, thereby collapsing the envelope against the inner container, and sealing the envelope so that gases emanating from the product will occupy the void between the inner container and the outer envelope to provide a preservative medium for the product.

2,135,480

REFLECTING GLOW LAMP

Clarence Birdseye, Gloucester, Mass., assignor, by mesne assignments, to Birdseye Electric Company, a corporation of Delaware

Application August 26, 1936, Serial No. 97,912

2 Claims. (Cl. 176—124)



1. A gaseous discharge lamp comprising a gas filled tube having a longitudinal convex transmitting face and back wall convex in the same direction and of flatter curvature, means for maintaining a glow discharge within the tube, and a reflecting metallic coating upon the outer surface of the back wall.

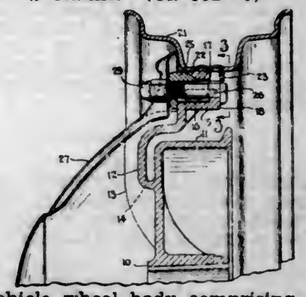
2,135,481

VEHICLE WHEEL

Winfield S. Brink, Akron, Ohio, assignor to The Firestone Steel Products Company, Akron, Ohio, a corporation of Ohio

Application November 20, 1934, Serial No. 753,808

2 Claims. (Cl. 301—6)



1. A vehicle wheel body comprising a brake drum and a plurality of spokes constituting a unitary structure, said spokes being united with the vertical wall of the brake drum relatively remote from the perimeter thereof and being otherwise laterally spaced from the said vertical wall of the brake drum, the latter constituting the sole support for said spokes.

2,135,482

WHEEL AND TIRE RIM STRUCTURE

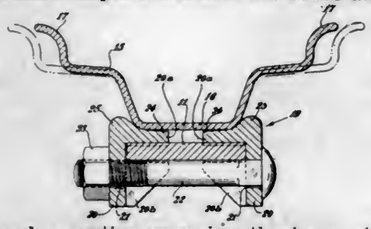
Winfield S. Brink, Akron, Ohio, assignor to The Firestone Steel Products Company, Akron, Ohio, a corporation of Ohio

Application July 8, 1936, Serial No. 89,511

1 Claim. (Cl. 301—20)

A wheel structure comprising an all metal fixed felloe, a tire rim mounted thereon in spaced relation thereto, and a plurality of devices removable from the felloe for securing the tire rim thereon, each of said devices comprising a pair of clamp members and a bolt engaging each for drawing

them toward each other, each clamp member having an outer leg provided with an outer wedging surface disposed between the felloe and tire



rim and a portion engaging the inner circumference of the felloe, said bolt being positioned within the inner circumference of the felloe.

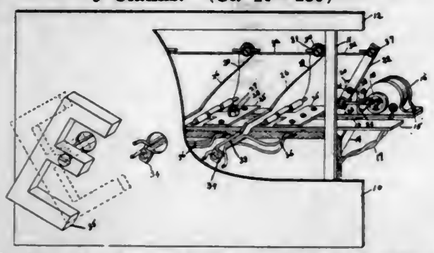
2,135,483

ADVERTISING DEVICE

Frank Cargill, Minneapolis, Minn.

Application July 10, 1937, Serial No. 153,029

9 Claims. (Cl. 40—139)



1. An advertising device, a plate-like member hinged on one longitudinal edge to a support, an advertising element secured to an end of the plate member, the other end of the plate member twisted into a plane substantially parallel to the advertising element, and the last-mentioned end of the plate-like member connected with a driving mechanism.

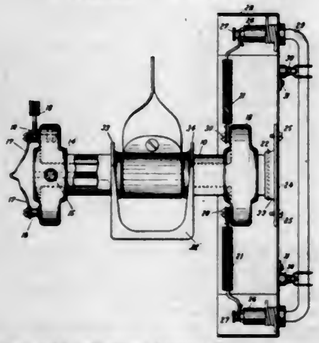
2,135,484

ILLUMINATED ADVERTISING DEVICE

Frank J. Cargill, Minneapolis, Minn.

Application December 13, 1937, Serial No. 179,525

5 Claims. (Cl. 40—139)



1. In an advertising device, a composition shaft having outwardly extending arms at one end, a metallic shield covering said shaft, a character supported by said shield, bearings for supporting the shielded shaft, means for imparting motion to said shaft, and illuminating means carried by said character.

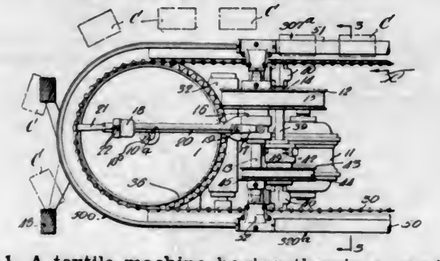
2,135,485

MACHINE FOR PREPARING YARN PACKAGES

Edward J. Abbott, Wilton, N. H., assignor to Abbott Machine Company, Wilton, N. H., a corporation of New Hampshire

Application August 21, 1930, Serial No. 476,776

89 Claims. (Cl. 242—35.5)



1. A textile machine having therein a carrier for a winding mass of yarn, means for moving the carrier in a predetermined path, means for winding yarn on the winding mass during such motion to form a traverse wound self-sustaining headless package or cheese by overlapped layers of reversed spiral windings, a stationary contact, a cooperating movable contact on the carrier and shifting means, operable by engagement of the movable contact with the stationary contact as the carrier moves, for shifting the wound yarn mass from normal winding position to another position, said movable contact being mounted on the carrier for movement with respect thereto by the forward motion of the carrier applied by engagement of the two contacts.

35. A textile machine comprising a rotary tractor roll, means for driving the roll, a yarn package-supporting carriage movable longitudinally of the roll, means for moving the carriage, and means under control of the operator for stopping the movement of the carriage without stopping the rotation of the tractor roll.

45. A textile machine having therein a carrier for moving a winding mass of yarn in a predetermined path, means for winding yarn on the mass during such motion, traverse mechanism for the winding yarn, and means for driving the traverse mechanism at varying speeds during such motion.

75. A movable carrier for winding and unwinding yarn masses including a pivotally mounted bracket, and a spindle pin thereon for holding a supply package, and means for inverting the bracket and thereby doffing the supply package.

2,135,486

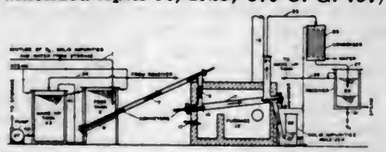
SEPARATING ELEMENTAL PHOSPHORUS FROM IMPURITIES

Lawrence H. Almond, Nashville, Tenn.

Application August 17, 1937, Serial No. 159,537

3 Claims. (Cl. 23—223)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. In the process of separating elemental phosphorus from a mixture comprising elemental phosphorus, solid impurities and water, the steps which comprise, adjusting the water content of the mixture until it is semi-fluid; flash distilling the phosphorus and water continuously in an enclosed flash distillation zone maintained at least at a temperature sufficiently high to flash distill the phosphorus and water in the mixture admitted to the zone; separating the vaporized phosphorus and water from the solid impurities continuously; and withdrawing the solid impurities from the enclosed flash distillation zone continuously.

2,135,487

CONDUIT ROD

Albert R. Askue, Mentor on the Lake, Ohio

Application January 26, 1935, Serial No. 3,616

3 Claims. (Cl. 287—91)



3. A conduit rod, comprising a large number of sections hinged together in such manner that adjacent sections will not swing relative to each other in one direction beyond alignment of the sections, releasable means to hold the sections in alignment, and a swivel joint in each of said sections, whereby the hinge axes of said sections may be rotated into a plurality of relative positions, and the adjacent sections folded together in pairs lying in intersecting planes.

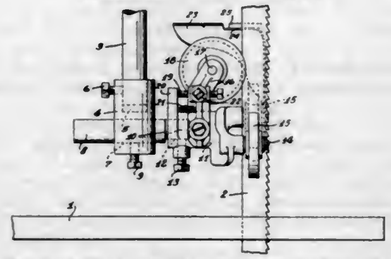
2,135,488

SAW GUIDE

Robert S. Baker, Detroit, Mich.

Application August 3, 1936, Serial No. 94,037

3 Claims. (Cl. 143—162)



1. In a device of the character described, a bracket, a pair of rolls rotatably supported by said bracket for engagement with opposite sides of a band saw blade, an arm pivotally mounted at its lower end upon said bracket, a roll supported by the upper end of said arm and adapted to engage the rear edge of a band saw blade above the horizontal plane of the axes of said first mentioned rolls, a fixed arm on said bracket, resilient means interposed between said arms and normally urging swinging movement of said pivoted arm away from said blade, and an adjusting screw for restricting said swinging movement and for causing swinging movement of said pivoted arm toward said blade.

2,135,489

METHOD OF CONTROLLING VISCOSITY IN EVAPORATED MILK

Charles O. Ball, River Forest, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application March 6, 1934, Serial No. 714,326

2 Claims. (Cl. 99—55)

1. The method of processing evaporated milk, which comprises adding to the raw milk an amount of edible acid sufficient to produce a desired normal degree of viscosity which will not exceed 300 on the Mojonnier-Doolittle scale in the final product when used, which amount is in the range of .001 to .03 per cent on the basis of weight of said raw milk, evaporating the acidulated milk, filling and hermetically sealing the evaporated milk in cans, and subjecting the canned product to flash sterilization at a temperature of approximately 260° during violent agitation and then cooling the canned milk during violent agitation thereof, which agitations comprise movement equivalent to rotating the can over 100 turns per minute whereby, in addition to obtaining the desired degree of viscosity, the flavor and color characteristics of the milk remain substantially unchanged.

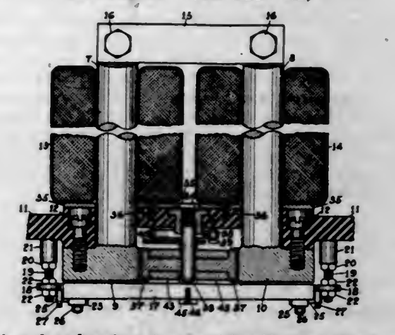
2,135,490

RELAY

Edwin O. Blodgett, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application July 28, 1934, Serial No. 737,440

24 Claims. (Cl. 246—41)



1. A relay having in combination, a U-shaped magnetic structure, windings on the magnetic structure, a main armature attracted to a position magnetically joining the ends of the U-shaped magnetic structure when current above a predetermined value flows in the windings, a threaded shaft interposed between the armature and the magnetic structure whereby the proximity of the armature to the ends of the magnetic structure may be determined in accordance with the rotated position of the threaded shaft, a magnetic member carried by the threaded shaft and coacting with the ends of the U-shaped magnetic structure whereby to rotate the shaft, and an arm on the armature operable to prevent rotation of the shaft while the armature is in its unattracted position.

2,135,491

APPARATUS FOR IMPREGNATING WOOD AND THE LIKE

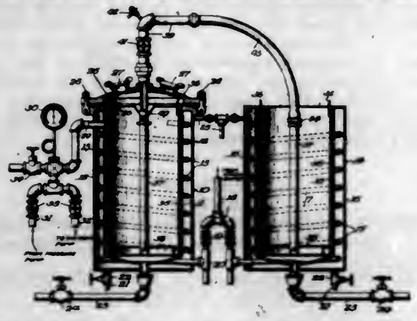
Philip C. P. Booty and Raymond G. Booty, Chicago, Ill.

Application April 11, 1935, Serial No. 15,898

9 Claims. (Cl. 21—65)

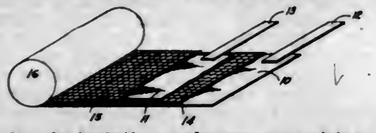
2. In an apparatus for impregnating wood and the like with a synthetic resinous solution, the combination of two receptacles arranged side by side adjacent to each other, means for heating the side walls of each of said receptacles, a cover plate mounted on one of said receptacles for effectively closing the receptacle, the other of said receptacles being open to the atmosphere, upright pipes in said receptacles respectively supported with their lower ends effectively open at

the lower end portions of the receptacles, a conduit comprising a short length of pipe extending downwardly through said cover plate and supported thereby in substantial alignment with the upright pipe in said closed receptacle and comprising a flexible hose effectively connected at one end with said short length of pipe, means for detachably connecting the other end of said hose with the upright pipe in said open recep-



tacle, means for exhausting air from said closed receptacle serving to transfer the impregnating solution from said open receptacle through said conduit, valve means for closing said conduit for controlling the passage of the impregnating solution therethrough, and other valve means in the wall of said conduit for providing an opening through the wall to the air for permitting the impregnating solution to drain from the conduit to said open receptacle.

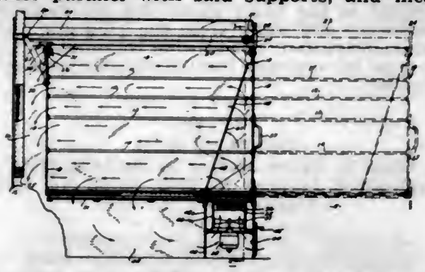
2,135,492
ELECTROLYTIC DEVICE
Joseph B. Brennan, Fort Wayne, Ind.
Application August 14, 1935, Serial No. 36,182
5 Claims. (Cl. 175—315)



1. An electrolytic condenser comprising a pair of electrodes and a spacer arranged between the electrodes, said spacer comprising a reticular fabric encased in one of the materials from the group consisting of lacquer, lacquer emulsions, latex, condensation products of urea and formaldehyde, and condensation products of phenol and formaldehyde.

2,135,493
LAUNDRY DRIER
George D. Chadeayne, Brooklyn, N. Y.
Application July 3, 1935, Serial No. 29,611
3 Claims. (Cl. 34—40)

2. A laundry drier having a rack containing a plurality of substantially horizontally disposed clothes supporting members, a housing therefor, said rack being capable of being moved to a withdrawn position from said housing but constituting therewith in closed position a substantially closed chamber, a localized source of heat disposed at the front end of said housing and disposed adjacent the bottom thereof, a blower means for circulating air upward over said source, thereby heating and creating an upward stream of said air, and an upright, inclined, apertured baffle carried by said rack for directing the air so heated from said source and for causing a differential apportionment of same to zones defined by said clothes supports and in vertical planes parallel with said supports, and means



for returning at least a portion of the air for recirculation by said blower means, means for venting at least a portion of the vapor laden air, and a means for admitting fresh air.

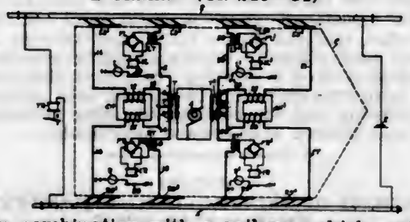
2,135,494
ALLOY
Anthony G. de Golyer, New York, N. Y.
No Drawing. Application December 4, 1936, Serial No. 114,205
2 Claims. (Cl. 75—126)

1. An alloy containing tungsten 9% to 20%, boron 0.25% to 2.15%, chromium 1% to 5%, vanadium 0.50% to 4%, manganese not exceeding approximately 1%, silicon not exceeding approximately 1.20% and the remainder iron.

2,135,495
ALLOY
Anthony G. de Golyer, New York, N. Y.
No Drawing. Application December 5, 1936, Serial No. 114,370
2 Claims. (Cl. 75—126)

1. An alloy containing molybdenum 6% to 15%, boron 0.30% to 2.25%, chromium 1% to 5%, vanadium 0.70% to 4%, manganese not exceeding approximately 1.10%, silicon not exceeding approximately 1.20% and the remainder iron.

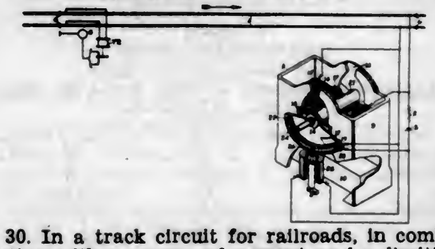
2,135,496
SIGNALING SYSTEM FOR RAILROADS
Oscar S. Field, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application September 26, 1933, Serial No. 691,026
1 Claim. (Cl. 246—34)



In combination with a railway vehicle out of electrical contact with its metallic running rails, two spaced pairs of insulated conductors carried by the vehicle and in contact with one rail, two other spaced pairs of insulated conductors carried by the vehicle and in contact with the other rail, means causing rail resistance break-down alternating current to flow along a track rail from one to the other of the two conductors of each of

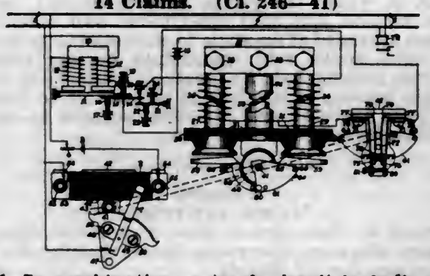
the four pairs of conductors in a given direction at any given instant, means interconnecting like potential points of each of the two pairs contacting with the one rail, each to an opposite pair of the two pairs contacting with the other rail, thus constituting two spaced interconnected pairs, an electrical choke for each of the two interconnected pairs, each choke comprising a core, two windings on the core and each connected in series with two conductors constituting a pair, the windings being positioned on the core to produce opposing magnetomotive forces when they are traversed by the alternating current flowing in said given direction, and means for indicating the flow of current in each pair of conductors.

2,135,497
TRACK CIRCUIT FOR RAILWAY SIGNALING SYSTEMS
Oscar S. Field, Rochester, N. Y., assignor to General Railway Signal Company, Rochester N. Y.
Application April 28, 1934, Serial No. 722,934
30 Claims. (Cl. 246—41)



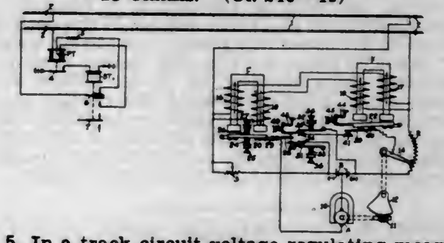
30. In a track circuit for railroads, in combination with a source of current and a limiting resistance connected across the track rails of a track section at one end thereof, circuit controlling means connected across the track rails at the other end of said track section and including a movable element automatically assuming different positions in accordance with gradual changes in the potential across said track rails, and means responsive to a relatively sudden decrease in the potential across the track rails for maintaining said movable element in its then existing position.

2,135,498
RAILWAY TRACK CIRCUIT
Oscar S. Field, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application June 7, 1935, Serial No. 25,472
Renewed March 2, 1938
14 Claims. (Cl. 246—41)



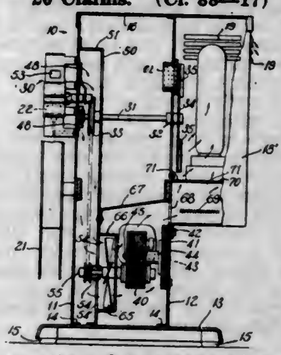
1. In combination; a track circuit including a section of railway track, a track relay, a source of energy and a variable resistor all connected in series; a control relay energized in constant proportion to the energization of the track relay; biasing means adjusted to hold the armature of the control relay in a definite center position at a predetermined degree of inter-rail voltage; an actuating means for the variable resistor distinctively controlled by relatively small movements of the control relay armature in each direction from said center position; and means operated by a greater movement of the control relay armature in one direction from said center position for preventing operation of the variable resistor.

2,135,499
RAILWAY TRACK CIRCUIT
Oscar S. Field, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application June 21, 1935, Serial No. 27,737
13 Claims. (Cl. 246—41)



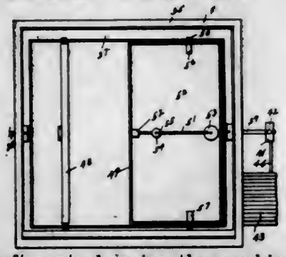
5. In a track circuit voltage regulating means, a control relay having an energizing circuit responsive to the track circuit voltage, a power operated regulator means controlled by the control relay for gradually regulating the voltage applied to said track circuit, and means responsive to a break in the energizing circuit of said control relay for reducing the voltage applied to said track circuit independently of said regulator.

2,135,500
FILM HANDLING APPARATUS
Warren Dunham Foster, Washington Township, Bergen County, N. J., assignor to Kinatome Patents Corporation, Ridgewood, N. J., a corporation of New York
Original application May 26, 1932, Serial No. 613,663. Patent No. 1,944,029, dated January 16, 1934. Divided and this application January 15, 1934, Serial No. 706,767
20 Claims. (Cl. 88—17)



12. In a motion picture apparatus, an electric lamp, a fan for moving air currents against said lamp, and means heated by the electric current which operates said lamp disposed adjacent said lamp in the path of said air currents moved by said fan against said lamp for pre-warming said air currents before they reach said lamp.

2,135,501
DRAFT CONTROL DEVICE
Roye W. Franks, Salt Lake City, Utah
Application June 28, 1934, Serial No. 732,810
2 Claims. (Cl. 236—45)



1. In a draft control device, the combination of a casing mounted on the flue of a furnace in open connection therewith but not in the path of travel of the consumed gases; a rotatively counter balanced frame work in said casing; draft responsive plates mounted off center within said frame work; means to adjust the closing pressure of the draft responsive plates to control the amount of opening and the position of the frame work depending upon the suction through the device and upon the fire conditions in the furnace.

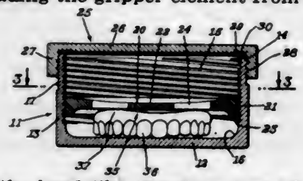
2,135,502
SHIRT
Marion W. Grigsby, Chicago, Ill.
Application September 11, 1937, Serial No. 163,466
5 Claims. (Cl. 2—124)



1. The combination of a garment having a sleeve and a permanent normal appearing split cuff thereon, and a folded detachable all-cloth split cuff of normal appearance adapted to straddle the permanent cuff and to be secured thereto by means extending through aligned buttonholes in the permanent cuff and detachable cuff, one of said split cuffs having a plurality of sets of buttonholes, with each set comprising at least one buttonhole in each end of said one split cuff and transversely aligned with one another, said plurality of sets each spaced apart from one another in a direction longitudinally of the sleeve, and the other of said split cuffs having only a single set of buttonholes, with the latter holes aligned with a selected set of holes among said plurality of sets in said one cuff to provide adjustability of the detachable cuff with respect to the permanent cuff to vary the total sleeve length thereby at the cuff portion.

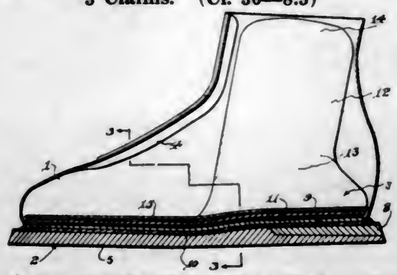
2,135,503
CONTAINER
Frederick E. Guntrip, Santa Barbara, Calif.
Application April 20, 1937, Serial No. 137,971
3 Claims. (Cl. 206—1)

3. A container having a bowl-like structure with a base, a cylindrical inside wall provided with interior screw threads, a gripper element in the form of a disk having peripheral threads complementary to the interior threads of the wall, the gripper element having openings for passage of a liquid, said openings forming a means for threading the gripper element from the upper



edge of the bowl-like structure towards the base whereby an article inserted in the bowl-like structure on the base prior to insertion of the gripper element may be clamped between the gripper element and the base by threading the gripper element towards the base and means separate from the gripper element to form a liquid tight seal at the upper edge of the bowl-like structure.

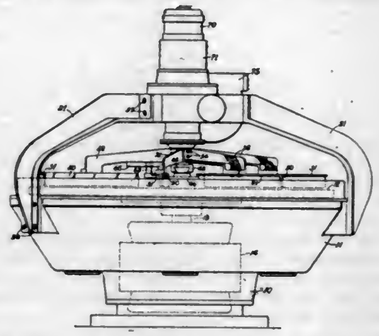
2,135,504
ORTHOPEDIC SHOE
Nathan Hack, Detroit, Mich.
Application January 7, 1935, Serial No. 783
3 Claims. (Cl. 36—8.5)



1. A shoe for the purpose described comprising an outsole including a bottom layer extending the full length and width of the shoe, a wedge member secured to said bottom layer and extending along an edge portion thereof with its thin edge extending inwardly to substantially the longitudinal center line of the shoe, an inner sole seated upon said bottom layer and inner portion of said wedge strip, a brace member having an inwardly extending flat portion seated upon said insole and extending the full width thereof transversely of the shoe and provided with an upstanding wall at the edge of said flat portion adjacent the side of the bottom layer opposite that at which the wedge strip is located, said flat portion and said upstanding wall member being arranged at an angle to each other less than a right angle, said upstanding portion being curved intermediate its length to conform to the ankle portion of the foot of the wearer to form a brace therefor, and an upper secured to said bottom layer and wedge strip.

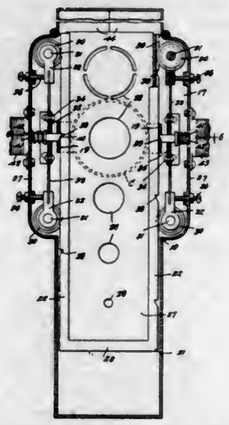
2,135,505
WORK FIXTURE
Donald R. Hall, Beloit, Wis., assignor to Gardner Machine Company, South Beloit, Ill., a corporation of Illinois
Application July 22, 1935, Serial No. 32,579
19 Claims. (Cl. 51—122)

2. A work fixture for a disk-type grinding machine comprising, in combination, a frame adapted to be attached to the grinding machine, a plurality of abutments carried by the frame and adapted to control the rotative movement of the work pieces induced by the grinding disk,



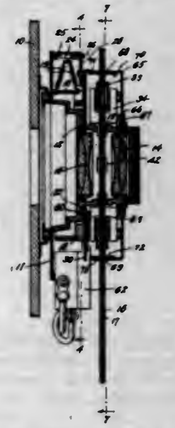
means for rotating said abutments concentrically with the disk, and means for simultaneously reciprocating the work pieces transversely of the disk.

2,135,506
CAMERA STOP DEVICE AND TIMING MEANS THEREFOR
August C. Hansch, Cliffside, and Henry E. Hansch, Whippany, N. J.; said August C. Hansch assignor to Frank J. McCann and John F. Monahan
Application April 25, 1936, Serial No. 76,446
13 Claims. (Cl. 95—64)



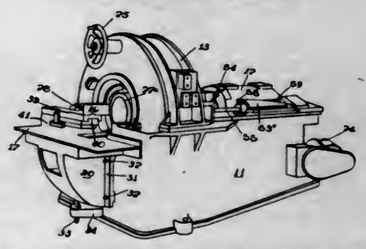
9. In a camera for the photographic production of screen negatives or positives, a stop device supported in juxtaposition to the front board of the camera and including a stop holder, a stop plate provided with a plurality of fixed stop openings of various sizes removably associated with said stop holder, guide means resiliently engaging said holder at the opposite longitudinal side edges thereof and between which guide means the said holder is mounted for tensioned guided movement to successively expose each film through the several stop openings to complete the exposure thereof, and detent means engageable with the stop holder for positioning and releasably retaining the stop plate in positions with the several stop openings thereof successively in registration with the camera lens.

2,135,507
CAMERA STOP DEVICE
August C. Hansch, Cliffside, and Henry E. Hansch, Whippany, N. J.; said August C. Hansch assignor to Frank J. McCann and John F. Monahan
Application February 25, 1937, Serial No. 127,710
16 Claims. (Cl. 95—64)



1. In a camera stop device, a stop element having a plurality of fixed stop openings, means for guiding the stop element for movement to successively dispose the stop openings in registration with the camera lens, means resiliently supporting said guiding means, means for arresting the movement of the stop element, a mounting for said arresting means, and spring supporting means carried by the camera for resiliently suspending the mounting with reference to and independent of the camera lens barrel so as to absorb shocks and jars incident to the operation of the stop device.

2,135,508
CYLINDER BORING MACHINE
Robert L. Hibbard, Pittsburgh, Pa., assignor of one-half to William K. Stamets, Pittsburgh, Pa.
Application April 2, 1937, Serial No. 134,621
7 Claims. (Cl. 29—27)



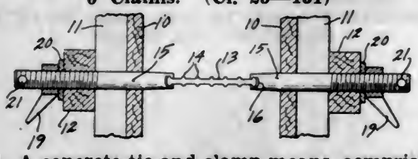
1. In combination in a horizontal boring machine, a chuck adapted to clamp and rotate a cylindrical blank about the axis thereof, a carriage mounted on the machine on one side of the chuck for movement longitudinally of said axis and provided with a tool for boring out the blank, loading means for the chuck on the side thereof opposite to that on which the carriage is located, and a second carriage located on the loading side of the chuck movable transversely of the axis of rotation of the chuck and provided with a tool for machining the end of the blank.

2,135,509

TIE AND CLAMP MEANS FOR CONCRETE FORMS

Joseph J. Hills, Birmingham, Ala.

Application July 27, 1936, Serial No. 92,827
6 Claims. (Cl. 25—131)



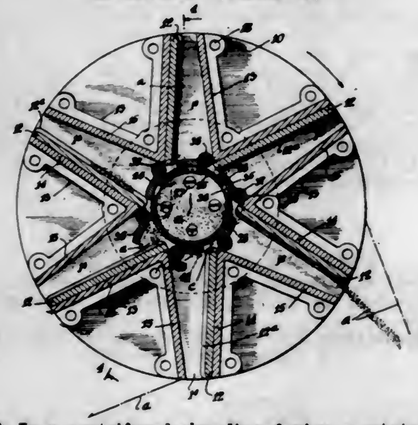
1. A concrete tie and clamp means, comprising in combination a tie bar consisting of a section of bar stock rolled with spaced enlargements, and clamp members having slotted ends adapted to interlock with end enlargements on an interposed tie bar and provided with shearing edges adapted by rotation of the clamp members to cut off such ends of the tie bar with which they were respectively interlocked.

2,135,510

CENTRIFUGAL ABRADING DEVICE

Alfred V. Hollingsworth, Indianapolis, Ind., assignor to The American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware

Application November 14, 1936, Serial No. 110,844
Renewed February 8, 1938
15 Claims. (Cl. 51—9)



3. In a centrifugal abrading device, a rotatable abrasive-throwing blade, a member forming a central abrasive-receiving chamber therein, said member having ports permitting passage of abrasive outwardly into the path of rotation of said blade, closures for said ports, and means operating said closures in timed relation with the rotation of said blade to control the direction of discharge of the abrasive therefrom.

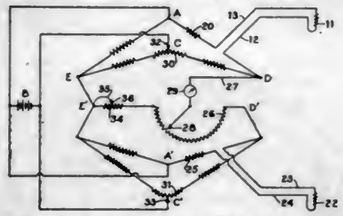
2,135,511

METHOD AND APPARATUS FOR INDICATING THE DEGREE OF SUPERSATURATION OF A BOILING SOLUTION

Alfred L. Holven, Crockett, Calif.

Application November 8, 1935, Serial No. 48,942
30 Claims. (Cl. 73—342)

1. The method of determining the degree of supersaturation of a boiling solution which comprises determining the difference between the boiling point temperature of the solution at a definite absolute pressure and a reference temperature, said reference temperature being dependent upon the purity and supersaturation of the boiling solution, determining the difference between the temperature of boiling water at the



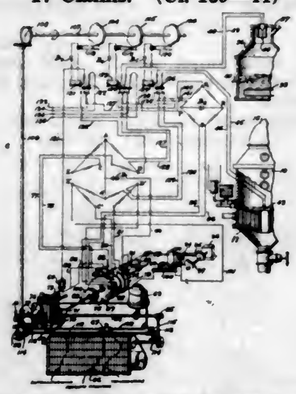
same absolute pressure and said reference temperature, and finally determining the ratio between said above temperature differences as an indication of the degree of supersaturation of the boiling solution.

2,135,512

SYSTEM OF CONTROL FOR EVAPORATING APPARATUS

Alfred L. Holven, Crockett, Calif.

Application May 12, 1936, Serial No. 79,400
17 Claims. (Cl. 159—44)



7. In a system of control for evaporating apparatus, the combination of an evaporating pan in which a solution to be concentrated is boiled, a pilot pan in which water is boiled at the same absolute pressure as that existing within the evaporating pan, a steamheating unit for maintaining a boiling temperature within said evaporating pan, a thermosensitive resistance located within said evaporating pan and within said pilot pan responsive to the temperatures existing in each of said pans, a Wheatstone bridge circuit associated with each of said resistances, said bridge circuits being interconnected through a common source of electromotive force, a galvanometer connected to and sensitive to any potential difference developed between said bridge circuits, means controlled by said galvanometer adapted to automatically adjust said bridge circuits and maintain a zero potential difference therebetween, the adjustment effected by said means being dependent upon the degree of supersaturation of the solution within the evaporating pan, a steam conduit having an electrically operated valve for controlling the flow of steam to said heating unit during the course of a boiling cycle, and means controlled by said bridge adjusting means for controlling the operation of said electrically operated valve to maintain a predetermined degree of supersaturation in said solution during the boiling cycle.

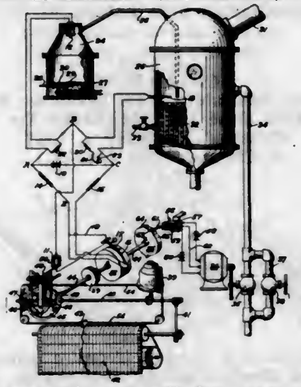
16. In a system of control for evaporating apparatus, the combination of an evaporating pan in which a solution to be concentrated is boiled, a pilot pan in which water is boiled at the same absolute pressure as that existing within the evaporating pan, a steamheating unit for maintaining a boiling temperature within said evaporating pan, and thermosensitive resistance located within said evaporating pan and within said pilot pan responsive to the temperature existing in each of said pans, two interconnected Wheatstone bridge circuits, each one of which includes in one leg thereof one of said thermosensitive resistances, a common source of excitation for said bridge circuits connected at one side to like points upon each of said bridge circuits and at its other side to corresponding opposite points upon said bridge circuits, a potentiometer winding connected to points of opposite polarity between said two bridge circuits, a galvanometer connected between a point upon one of said bridge circuits and a point adjustable along said potentiometer winding, whereby the potentials developed by said bridge circuits may be balanced one against the other by an adjustment in the connection of the galvanometer to said potentiometer winding, means controlled by said galvanometer adapted to automatically adjust the point of connection of the galvanometer circuit upon said potentiometer winding to produce a zero potential difference between said bridge circuits, the adjustment effected by said means being dependent upon the degree of supersaturation of the solution within the evaporating pan, a steam conduit having an electrically operated valve for controlling the flow of steam to said heating unit during the course of a boiling cycle, and means operated by said galvanometer connection adjusting means for controlling the operation of said electrically operated valve to maintain a predetermined degree of supersaturation in the solution during the boiling cycle.

2,135,513

APPARATUS FOR CONTROLLING THE CONCENTRATION OF BOILING SOLUTIONS

Alfred L. Holven, Crockett, Calif.

Application May 25, 1936, Serial No. 81,678
19 Claims. (Cl. 159—44)



13. A measuring circuit for evaporating apparatus of the character described, comprising a Wheatstone bridge circuit having a resistance in one leg thereof responsive to the temperature in an evaporating pan, a second resistance responsive to the boiling temperature of water at the same pressure in another leg of said bridge circuit, a variable resistance associated with one of the opposite legs of said Wheatstone bridge circuit adapted to balance the bridge circuit, and means associated with said variable resistance adapted to indicate the ratio between the resistances of said resistance units.

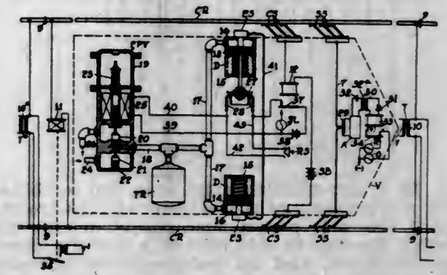
19. In a system for measuring the concentration of a solution undergoing evaporation, the combination of an evaporating pan adapted to receive a flow of diluted solution during an evaporating cycle, a pilot pan in which the diluent of said solution is boiled at the same absolute pressure as that existing within the evaporating pan, a thermosensitive resistance unit located in said evaporating pan, a second thermosensitive unit located in said pilot pan, the resistance of said thermosensitive units at the same temperature being equal in value, a Wheatstone bridge circuit in the adjacent legs of which said resistance units are connected, a resistance connected in series with one of the opposite legs of the Wheatstone bridge circuit for balancing said bridge circuit, a galvanometer connected between the adjacent legs of the bridge circuit and to a point adjustable along the resistance in series with the opposite leg of the Wheatstone bridge circuit, means for automatically adjusting the point of connection of the galvanometer along said resistance to balance said bridge circuit, and means for regulating the flow of the diluted solution to said evaporating pan to maintain a definite ratio between the resistance values of the resistance unit in said evaporating pan and the resistance unit in said pilot pan.

2,135,514

TRAIN CONTROL SYSTEM FOR RAILROADS

Winthrop K. Howe, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application November 30, 1932, Serial No. 645,013
24 Claims. (Cl. 246—34)



1. In combination with a vehicle out of electrical contact with its running rails, a track circuit, a main shunt carried by the vehicle for shunting the track circuit by conduction, an emergency shunt carried by the vehicle for at times shunting the track circuit by conduction, plungers for operating the emergency shunt, and means for causing the plungers to automatically apply the emergency shunt upon loss of the main shunt.

2,135,515

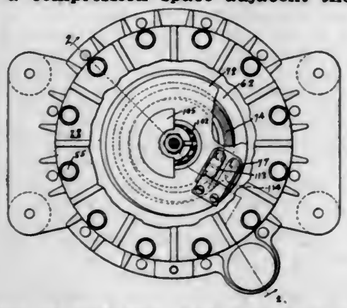
REFRIGERATING APPARATUS

Harry B. Hull and Alex A. McCormack, Dayton, Ohio, assignors, by mesne assignments, to General Motors Corporation, a corporation of Delaware

Application January 31, 1931, Serial No. 512,633
Renewed May 26, 1937
17 Claims. (Cl. 230—147)

1. A compressor for refrigerating apparatus

comprising in combination a casing, means providing a chamber within said casing, an oscillating ring disposed in said chamber, means for actuating said ring, said ring together with said first named means providing a compression space adjacent the inner periphery of said ring and providing a compression space adjacent the outer



periphery of said ring, and a rocking pin cooperating with said ring for sealing said compression spaces from one another, there being a plane contact between said ring and said pin so as to provide a slidable engagement therebetween, and self-adjusting means for taking up clearance slack for maintaining said contact said self-adjusting means cooperating with said ring and pin.

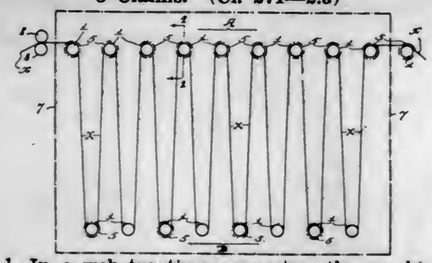
2,135,516

ROLL TYPE DRIER

Alpheus O. Hurxthal, Philadelphia, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania

Application March 22, 1937, Serial No. 132,425

5 Claims. (Cl. 271—2.3)



1. In a web-treating apparatus, the combination of a plurality of web-advancing rolls around which the web passes successively, means for feeding the web to said rolls at a predetermined rate of speed, and an independently operable driving motor for each one of a predetermined number of said rolls, the speeds of said motors being controlled collectively by the web and the rate of feeding thereof to said rolls by said feeding means and independently by variations occurring in the amount of resistance presented to the rotations of the respective rolls as applied thereto by the web intermediate the terminal rolls of said plurality.

2,135,517

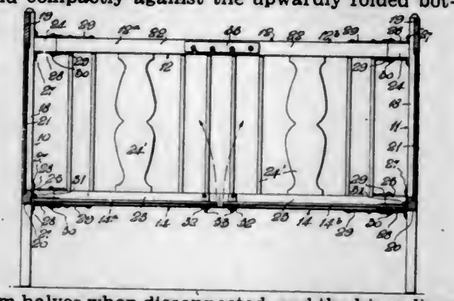
FOLDABLE BED

George Isbell, Elkhart, and Eldon J. C. Rogers, Huntington, Ind.; said Isbell assignor to said Rogers

Application June 21, 1937, Serial No. 149,518

3 Claims. (Cl. 5—99)

1. A foldable bed comprising a head; a foot; one side composed of an inwardly-foldable half hinged to said head, a second inwardly-foldable half hinged to said foot, and means permanently hinging said halves together; a second side composed of an inwardly-foldable half hinged to said head, a second inwardly-foldable half hinged to said foot, and releasable means separably connecting these halves with each other; the halves of each side being of a length to overlap the halves of the other side when all of said halves are inwardly folded; and a bottom composed of an upwardly-foldable half hinged to said head and a second upwardly-foldable half hinged to said foot; the hinge lines of said bottom halves being close to said head and foot to allow said bottom halves to fold compactly against said head and foot, the hinge lines of said separably connected side halves being more distantly spaced from said head and foot to allow these halves to fold compactly against the upwardly folded bot-



tom halves when disconnected, and the hinge lines of said permanently connected side halves being still more distantly spaced from said head and foot to allow said permanently connected halves to be compactly folded against the inwardly folded separated halves; whereby after disconnection of said separably connected side halves, one of said bottom halves may be upwardly folded and held with one hand until the adjacent one of the disconnected side halves is folded inwardly against it with the other hand, the other bottom half may then be likewise upwardly folded and held with one hand until the other of the disconnected side halves is folded inwardly against it with the other hand, and both hands are then free for moving the head and foot toward each other after inwardly buckling the permanently connected side halves, these halves then moving to positions between the folded disconnected side halves.

2,135,518

CIGAR BOX

Hyman Jacobstein, New Rochelle, N. Y.

Application June 10, 1935, Serial No. 25,905

Renewed February 1, 1937

5 Claims. (Cl. 131—11)



1. A cigar box formed from a plurality of superposed flexible sheets widened at one end to provide side tabs, the said tabs and the end portions of the sheets carrying the tabs being secured in face to face engagement with each other to form a stiffened portion and the remaining portions of the sheets being free, said tabs being bent to form stiff end walls rising from the ends of a bottom for the box formed by the stiffened portion between the tabs, and portions of the sheets being bent to extend transversely across the bottom in spaced relation thereto and forming a top wall and the remaining portion forming side walls for the box having their end portions bearing against marginal edges of the end walls.

2,135,519

HIGH SPEED SPINDLE

Lavern J. Jordan, Fairview Village, and Clarence C. Walters, Cleveland, Ohio, assignors to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware

Application July 10, 1935, Serial No. 30,654

17 Claims. (Cl. 118—63)



1. Spinning apparatus comprising spaced fixed and lifting rails, a spindle, a bolster disposed about said spindle for relative reciprocatory movement between said bolster and said spindle, a whirl rotatably mounted on said bolster, means resiliently connecting said spindle and one of said rails, and means resiliently connecting said bolster and the other of said rails.

2,135,520

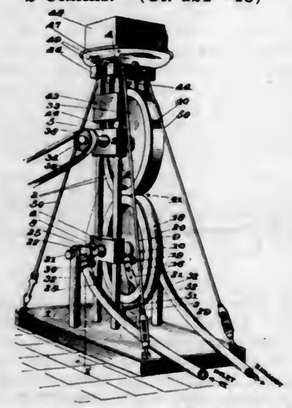
ENGINE

Harold L. Lyon, Honolulu, Territory of Hawaii

Application March 9, 1937, Serial No. 129,949

Renewed December 30, 1937

2 Claims. (Cl. 121—48)



1. An engine comprising fixed upright standards, bearing blocks fixedly carried by the standards, a hollow shaft revoluble in the bearing blocks and having a partition, a drive wheel carried by the shaft, a pliable conduit on the circumference of the drive wheel and having its ends connected to the shaft bore at the opposite sides of the partition, couplings at the ends of the shaft for the admission and discharge of pressure fluid to and from the conduit, bearing slides movably carried by the standards, an axle journalled in said slides and carrying an abutment wheel the rim of which is imposed upon the crest of the conduit to compress it to the point of closure, means by which to impose weight upon the slides, and means secured to the standards and providing guides for parts of the weight-imposing means.

2,135,521

HOMOLOGUES OF BETA-METHYLCHOLINE HALIDE AND THEIR ACYL DERIVATIVES, AND PROCESSES FOR THEIR PRODUCTION

Randolph T. Major, Plainfield, and Howard T. Bonnett, Rahway, N. J., assignors to Merck & Co. Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application December 4, 1935, Serial No. 52,872

13 Claims. (Cl. 260—584)

12. β-alkylcholine halides wherein the alkyl radicals contain from two to seven carbon atoms, inclusive.

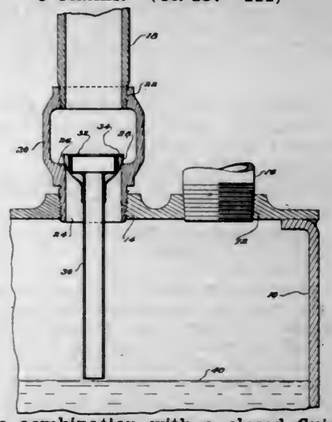
2,135,522

LIQUID LEVEL INDICATOR

Alcide E. Mathey, Auburndale, Mass., assignor to Scully Signal Company, Cambridge, Mass., a corporation of Massachusetts

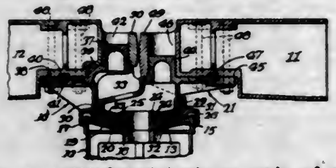
Application March 31, 1936, Serial No. 71,870

8 Claims. (Cl. 137—111)



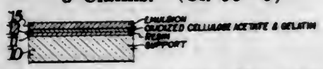
8. The combination with a closed fluid tank, of a supply conduit leading into the tank, a vent tube leading out of the tank with its inner open end at a predetermined distance below the top of the tank, an audible signal device communicating with the vent tube and designed to be continuously actuated by the escape of gas or vapor therethrough until the inner open end of the tube is trapped by rising liquid level, and an automatically operable independent vent from the tank above the inner end of the vent tube normally operable to cause venting through the tube and audible signal until rising liquid level traps the end of the tube, and thereafter with rising liquid level operable to permit continued venting and relief of excessive pressure.

2,135,523
CAR ARTICULATION
William H. Mussey and Martin P. Blomberg, Chicago, Ill., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application March 26, 1934, Serial No. 717,416
5 Claims. (Cl. 105—4)



5. In an articulated train, a pair of adjacent car sections, means for connecting said sections together and for supporting the same comprising a car end sill on each section, a body center plate bracket for each section, each bracket having an inwardly extending portion, an outwardly extending portion and an intermediate upwardly extending portion, said inwardly extending portions extending beneath the corresponding sills, each inwardly extending portion and the under side of the adjacent sill having oppositely facing shoulders spaced apart in parallel vertical planes, thus forming a pair of adjacent shoulders, a key rectangular in cross section engaging each adjacent pair of shoulders, vertically extending bolts for holding said brackets in engagement with said sills whereby said shoulders and keys will relieve said bolts of stresses due to draft forces applied to said brackets, said upwardly extending portions extending upwardly alongside and in contact with the outer portions of said sills for relieving said bolts of shearing stress due to buffing forces and cooperating with said keys for resisting upwardly directed turning forces applied to the outer ends of said brackets, and concentric bearings on the outer portions of said brackets for supporting said car sections on a truck.

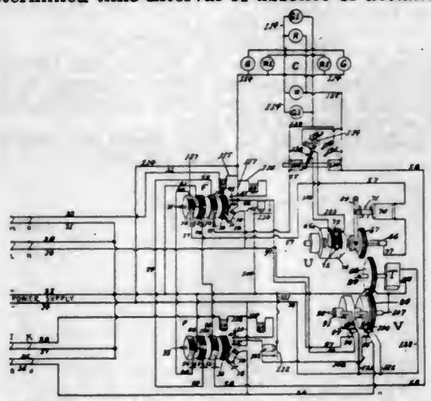
2,135,524
SUBBING PHOTOGRAPHIC FILM
Gale F. Nadeau, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 5, 1937, Serial No. 173,020
8 Claims. (Cl. 95—9)



1. A flexible photographic film comprising a cellulose organic derivative support, and, in order, a synthetic resin layer, a layer comprising partially oxidized cellulose acetate having a free acidity equivalent of 100 to 200 cc. of normal alkali per 100 grams of oxidized cellulose acetate, and a photographic emulsion layer.

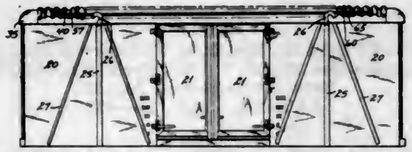
2,135,525
AUTOMATIC VARIABLE TRAFFIC REGULATOR
Robert O. Nelson, Los Angeles, Calif.; Anna J. Nelson, administratrix of the estate of said Robert O. Nelson, deceased, assignor, by mesne assignments, to The Engineering and Research Corporation, New Haven, Conn., a corporation of Connecticut
Application February 27, 1924, Serial No. 695,596
32 Claims. (Cl. 177—337)

1. A traffic control system for the intersection of traffic lanes, said system including signalling means to accord and interrupt right-of-way to traffic approaching the intersection in such lanes, operating means for said signalling means, vehicle actuatable controls disposed in said lanes in advance of the intersection, means for connecting said controls to said operating means for operation of the latter to cause the signalling means to afford right-of-way to either one only of said lanes upon actuation only of the control therein, time controlled means for preventing accord of right-of-way to said one lane beyond a determined time interval of absence of actuation



in both lanes after and measured from any such actuation of said control in said one lane, and further time controlled means forming a part of said operating means and responsive to actuation of the vehicle actuated control in a second lane for causing—in the event of continued control actuations in said one lane—said operating means to transfer right-of-way to said second lane prior to expiration of the determined interval as timed by the first mentioned time controlled means.

2,135,526
FREIGHT CONTAINER
Ragnar A. Norbom, Clifton, N. J., assignor to Motor Terminals Company, New York, N. Y., a corporation of Delaware
Application April 6, 1936, Serial No. 72,897
11 Claims. (Cl. 108—5.4)

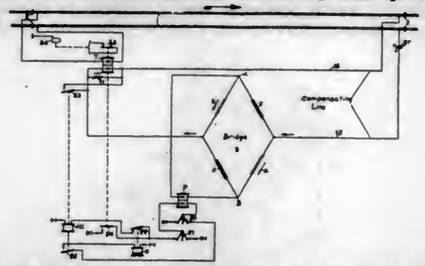


9. A freight container having a roof comprising corrugated sheeting with its ridges and valleys extending transversely, a transverse pipe lying within one of the ridges, and a U-shaped clip entering the pipe and extending around the edge of the roof onto the opposite face thereof.

2,135,527
RAILWAY TRACK CIRCUIT
Winfred T. Powell, Brighton, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Original application July 28, 1934, Serial No. 737,433, now Patent No. 2,083,920, dated June 15, 1937. Divided and this application December 3, 1936, Serial No. 114,089
12 Claims. (Cl. 246—41)

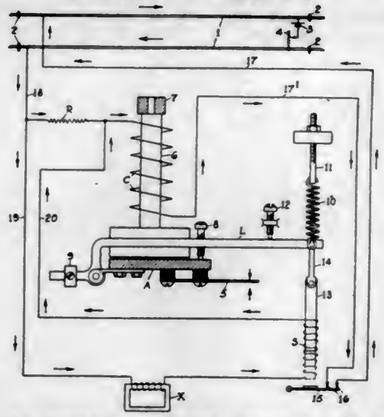
1. In a track circuit, a track relay, a source of current connected to the railroad track, a potential winding and a current winding of said

relay connected to said track, said potential winding being shunted by a train on said track circuit, an electrical network connected to said source of current, means including said poten-



tial and said current windings for maintaining said relay effectively energized under various track leakage conditions, and means including said network responsive to said train shunt for shunting said current winding.

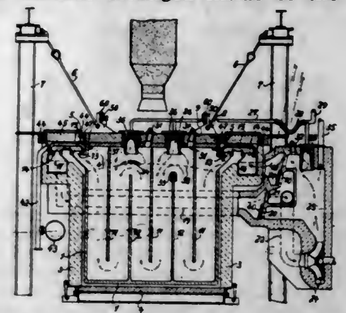
2,135,528
RAILWAY TRACK CIRCUIT AND RELAY THEREFOR
Neil D. Preston, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application July 11, 1935, Serial No. 30,842
21 Claims. (Cl. 246—41)



19. An electro-responsive device of the character described, comprising in combination with a pivoted armature and a main electro-magnet for attracting said armature, an arm fixed to and extending beyond said armature and to the same side of the pivot as is the armature, an auxiliary electro-magnet normally energized through a circuit more highly inductive than is the circuit of said main electro-magnet with current proportional to the energizing current of said main electro-magnet for coacting with the extended end of said arm for applying a retracting force on said armature which force is retained longer than the force acting on said main electro-magnet upon a reduction in the operating current.

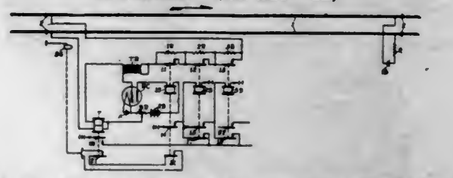
2,135,529
COKE OVEN WITH INTERNALLY HEATED HEATING WALLS
Franz Puening, Essen, Germany
Application October 3, 1935, Serial No. 43,341
In Germany November 7, 1934
5 Claims. (Cl. 202—105)

1. In a coke oven of the class described a plurality of movable, internally heated heating walls, coke chambers formed between them, an enclosure surrounding said walls and adapted to collect the products of carbonization, heating flues in the walls, means for heating the heating gases contained in said flues, said means consisting of burners arranged inside of the heating



walls, a fan adapted for circulation of the heating gases through the flues of the walls, said fan communicating with said flues in said walls by means of suction and discharge conduits and a chimney for off-flow of surplus heating gases from said wall communicating preferably with said discharge conduits.

2,135,530
TRACK CIRCUIT FOR RAILROADS
Wade H. Reichard, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application May 26, 1934, Serial No. 727,697
11 Claims. (Cl. 246—41)

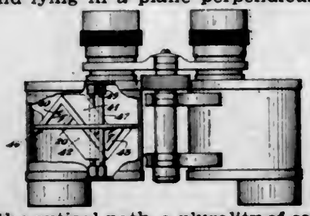


1. In a track circuit, an insulated section of track, a source of current connected to said track, a track relay connected to said track and energized in slowly varying degrees in accordance with the slowly changing current values due to variations in ballast resistance, the entrance of a train into said section of track producing a rapid reduction in the current in the circuit of said relay, and means responsive only to said rapid reduction of current for sequentially inserting resistance units in the circuit of said relay until the resistance of the circuit including said relay has increased to a value where said relay releases.

2,135,531
OPTICAL INSTRUMENT
Robert J. Reichert, Mount Vernon, N. Y.
Application January 12, 1935, Serial No. 1,463
2 Claims. (Cl. 88—34)

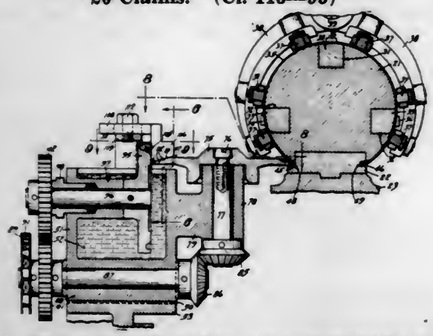
1. In an optical system, a main housing, a system of lenses mounted in said housing for producing an inverted image of a distant object, the rays from which are intercepted by said system and a system of a plurality of reflectors placed in the optical path for inverting the image, a central housing for rigidly supporting said reflectors, means for holding a fixed point of said central

housing rigid relative to the main housing, means comprising a plurality of screws rigidly secured to said central housing for the purpose of adjusting said central housing together with the said reflectors rigidly attached thereto by rotating said central housing, about two axes thru said fixed point and lying in a plane perpendicular to the



axis of the optical path, a plurality of screw heads fitting in openings in the main housing and screwing on to the ends of the aforementioned screws for the purpose of adjusting the said reflectors by moving the said screws in the direction of their length and means for maintaining said reflectors in positions fixed relative to each other and to the said central housing during said adjustment.

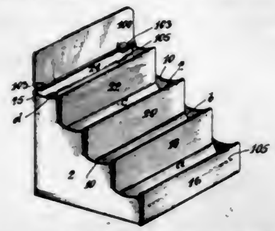
2,135,532
FLUXING DEVICE
John G. Reid, San Jose, Calif., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 17, 1935, Serial No. 54,904
20 Claims. (Cl. 113—95)



1. In a can body maker, the combination with a horn for supporting and guiding moving can bodies having side seam hooks, of a flux applying mechanism comprising a flux receptacle for containing a liquid flux, a flux applying roller mounted on a substantially vertical axis for rotation at one side of said horn, said roller having a flux retaining groove disposed adjacent its periphery for holding a charge of flux, the periphery of said roller being adapted to enter into the said side seam hook of a passing can body and to deposit flux from said groove onto the walls of said seam hook, means for rotating said roller, and means for transferring flux from said receptacle to said flux applying roller.

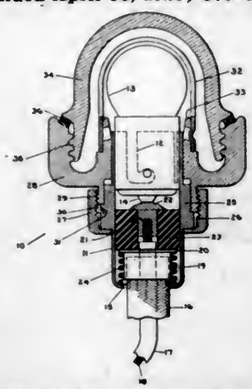
2,135,533
DISPLAY CARTON
William A. Ringler, Wayne, Pa., assignor to National Folding Box Company, New Haven, Conn., a corporation of New Jersey
Application April 22, 1936, Serial No. 75,691
10 Claims. (Cl. 206—45)

3. A shipping and display carton comprising a body formed of paper board material, including end wall sections, a rear wall section connecting said end wall sections, a series of tabs extending from said end wall sections and arranged in spaced elevated relationship, said tabs extending inwardly from the end wall sections in overlapping relationship to provide a series of vertical



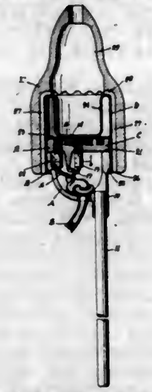
step up wall portions extending across the front of the carton at different elevations, and a strip section having a portion thereof draped over said vertical step up wall portions providing a series of article-supporting tiers arranged at different elevations.

2,135,534
ELECTRIC SOCKET
John M. Roper, Washington, D. C.
Application August 4, 1936, Serial No. 94,182
2 Claims. (Cl. 173—328)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An electric lamp socket comprising a socket member having an inturned apertured flange at one end thereof, the other end of said socket being provided with lamp base securing means, an electric cable conduit extending through said apertured flange into said socket, a ferrule secured on the end of said cable conduit within said socket, said ferrule having an out-turned flange at the end thereof, a compression spring located between said ferrule flange and said inturned socket flange, an insulating member resting against said ferrule flange, a conductor cable extending through said cable conduit and into said insulating member, and a cable terminal extending above said insulating member, said cable being secured to said terminal within said insulating member, whereby said cable conduit is yieldably secured to yieldably press said cable terminal against a lamp contact in the lamp base adapted to be held at the lamp end of the socket, said cable including an insulation covered stranded conductor wire extending therethrough, the end of said conductor wire being soldered within said terminal.

2,135,535
ELECTRIC VAPORIZER
Joseph Robinson, New York, N. Y.
Application October 10, 1935, Serial No. 44,362
Renewed November 4, 1937
6 Claims. (Cl. 128—192)



5. A vaporizer of the class described, comprising a hollow base having a handle receiving socket, a handle removably received in said socket, a heating element mounted upon said base, a medicament container disposed above said heating element and having a sleeve extension attached to the upper portion of the base for securing said container and heating element to said base, and a removable cap member adapted to fit over said container and about said sleeve to insulate the same and having a nasal portion positioned above said container, and a skirt portion providing a passage to admit air currents to the nasal portion.

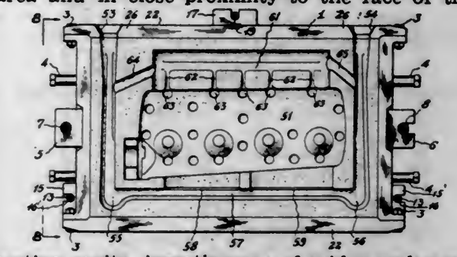
2,135,536
FISHING SINKER
Austin O. Sarff, Walker, Minn.
Application August 31, 1936, Serial No. 98,780
6 Claims. (Cl. 43—52)



1. A device of the class described comprising a body having line attachment means at its ends, said body having retaining tongues pointing toward each other intermediate its ends over which a line is adapted to be looped for securing said body to the line, the tongues being movable toward and away from each other to hold the line against displacement and also permit the line after it has been secured to be removed.

2,135,537
METHOD OF CASTING
John Schmeller, Sr., Lakewood, Ohio
Application June 4, 1935, Serial No. 24,900
3 Claims. (Cl. 22—197)

1. A method of producing castings from sand molds comprising the steps of firmly ramming sand into complementary sections of a flask while such sections are in a horizontal position over the pattern to provide a casting cavity with a riser cavity associated therewith and sprue and runner cavities substantially in the plane of the casting cavity and spaced from the marginal areas of the casting cavity with the runner cavity communicating with the bottom of the casting cavity through a narrow gate, supporting said sand at distributed points throughout the mold area and in close proximity to the face of the



casting cavity, inverting one of said complementary mold sections and assembling the core therewith in horizontal position, assembling said complementary mold sections in alined and clamped relation with said respective cavities in cooperative position to form the metal passageways, turning said flask to vertical position on one edge with the sand forming the sides free of enclosing members to permit free escape of gases therethrough, and pouring metal into the sprue and associated passageways to form the article.

2,135,538
NONTRANSFER MANIFOLDING MATERIAL
John Q. Sherman and Wilbur A. Yackley, Dayton, Ohio; said Yackley assignor to said Sherman
Application October 17, 1936, Serial No. 106,159
18 Claims. (Cl. 282—28)

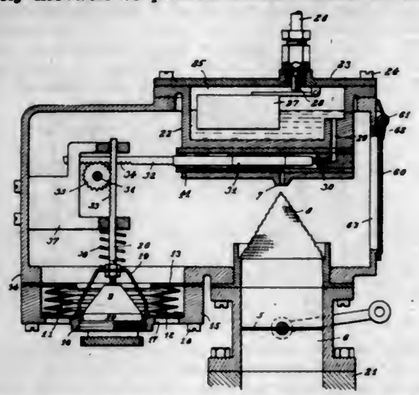


1. A writing sheet including a stratum of normally impression resisting material susceptible to selected area displacement by pressure when preconditioned by a temperature rise and retaining its form in preconditioned areas not subjected to displacement pressure, and a substratum of differently colored material restricted areas of which are exposed in delineation of characters by displacement of like areas of the overlying stratum by pressure.

2,135,539
CARBURETOR
John B. Sinderson, Rockford, Ill.
Application April 27, 1936, Serial No. 76,569
15 Claims. (Cl. 261—50)

1. A carburetor comprising a casing having an

outlet passage for conducting combustible mixture to an engine, a throttle valve therein, a tapered air metering head, an apertured air metering valve plate wherein said head fits to form a closure, said head and plate elements being relatively movable to provide therebetween a variable air inlet opening for said casing, the movable element being movable inwardly relative to said casing under atmospheric pressure, a bellows interposed between said element and said casing, and means for delivering liquid fuel for mixture in said casing with the air admitted through said inlet.



2,135,540

ROLL RACK

Charles Henry Smith, Coalgate, Okla.

Application August 18, 1937, Serial No. 159,766
2 Claims. (Cl. 242—55.3)



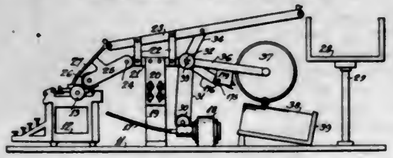
1. A rack of the character described comprising a frame consisting of side members, roll supporting rod members, one of said side members being provided with notches for removably receiving corresponding ends of the rods, said side member being provided with slots intersecting the said notches, and slides disposed in the slots to form abutments for the corresponding ends of the rods.

2,135,541

SYSTEM AND APPARATUS FOR HANDLING PAPER FOR PRINTING MACHINES

Robert Stuart, Forest Hills, N. Y., and Matthew H. Loughridge, Bogota, N. J.

Application August 15, 1935, Serial No. 36,392
77 Claims. (Cl. 197—130)



1. A system for delivering paper sheets from a stack to printing machines comprising a fixed support for the paper, a conveyor for delivering the paper, a lifting drum for lifting the sheet from the stack to the conveyor, a pivoted frame for said lifting drum and means regulated by the height of the paper in the stack supporting said drum to follow the paper as it is used and to enable the paper to be taken up by the drum from the entire stack.

2,135,542

UTILIZATION OF COLLIERY SHALE AND OTHER WASTE BITUMINOUS SHALES IN THE MANUFACTURE OF CEMENTITIOUS PRODUCTS

Norman Victor Sydney Knibbs, Westwood, New Barn, Longfield, and Alfred Petter Pehrson, Streatham, London, England, assignors to The Continental Investment Syndicate Limited, London, England

No Drawing. Application April 3, 1936, Serial No. 72,591. In Great Britain August 8, 1935
3 Claims. (Cl. 18—47.5)

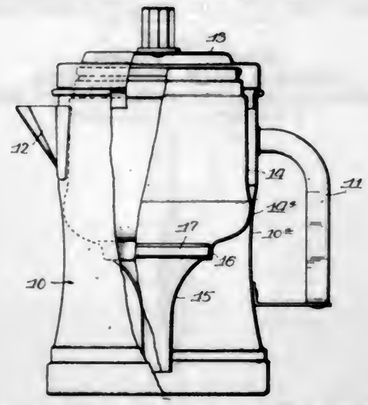
1. A method of making a cementitious product that comprises mixing fuel-containing shale with calcium carbonate, utilizing the fuel contained in the shale to at least partly calcine the shale and the calcium carbonate to produce quicklime, dividing the calcined mixture into smaller parts, adding water, shaping to the required form, hydrating the quicklime, and applying steam under pressure to harden.

2,135,543

COFFEE BREWER

Julius Taxay, Chicago, Ill., assignor, by direct and mesne assignments, of one-half to James M. Parker, Chicago, Ill., and one-half to Miracle Household Appliance Corporation, Chicago, Ill., a corporation of Illinois

Application January 20, 1936, Serial No. 59,853
5 Claims. (Cl. 53—3)



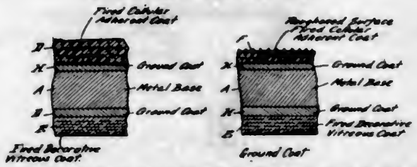
1. A coffee brewer comprising an outer water-holding receptacle having a downwardly tapered annular sealing surface therein, and an inner coffee holding receptacle arranged to telescope bodily within said outer receptacle and provided with a downwardly extending funnel, said inner receptacle having an annular sealing portion adjacent the base thereof and above said funnel arranged to seat frictionally within a relatively narrow annular portion of said sealing surface to form an air tight connection therewith, the portion of said inner receptacle above said sealing portion being spaced from the adjacent walls of said outer receptacle to enable the inner receptacle to be tilted merely sidewise within said outer receptacle to break the seal and release the inner receptacle from engagement with the outer receptable.

2,135,544

FACED BUILDING ELEMENT

Karl Turk, Riderwood, Md., assignor to The Porcelain Enamel and Manufacturing Company of Baltimore, Baltimore, Md., a corporation of Maryland

Application August 31, 1936, Serial No. 98,776
8 Claims. (Cl. 91—73)



1. A composite article adapted to adhere to an applied surface, comprising a metal base provided with a fired ground coat and having permanently united therewith a relatively thin layer of the completely vitrified cellular fusion product of porcelain enamel material in the presence of a gas-evolving agent, the top portion of said cellular layer being removed to provide a layer of non-connected cellular cavities affording large gripping surface, the thickness of said final cellular layer varying between .5 mm. or lower and 2.0 mm., said cellular cavities having sidewalls of relatively great rigidity capable of withstanding when in contact with the applied surface wide temperature variations.

2,135,545

PROCESS FOR THE ELECTROLYTIC PRODUCTION OF AMMONIUM PERPHOSPHATE IN SOLID FORM

Walter Voelkel, Frankfort-on-the-Main, Germany, assignor to Deutsche Gold und Silber Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany, a corporation of Germany

No Drawing. Application July 3, 1935, Serial No. 29,737. In Germany July 9, 1934
8 Claims. (Cl. 204—9)

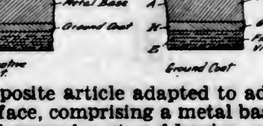
3. A process for preparing substantially pure solid ammonium perphosphate which comprises electrolyzing a solution of secondary ammonium phosphate, precipitating unconverted ammonium phosphate from the electrolyte by addition of ammonia, freeing the solution from precipitated ammonium triphosphate and recovering from the solution thus obtained the ammonium perphosphate in solid form.

2,135,546

LAST

Doris Franklin Walker, Gastonia, N. C., and William S. Anderson, Philadelphia, Pa.

Application July 31, 1937, Serial No. 156,712
1 Claim. (Cl. 12—133)



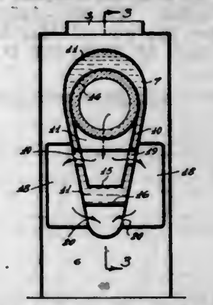
A last for use in making welt shoes in which the outsole is cemented to the shoe bottom, said last having its bottom face convexedly curved in a direction transversely thereof and being provided on its bottom face with a relatively wide V-shaped rib-receiving groove extending entirely around the fore part of the last and situated opposite the rib of an insole of a welt shoe being made on the last to which the upper and welt of said shoe are stitched, the depth of the groove being less than its width at the surface of the last and the outer wall of the groove being flat and making an angle of more than 135° with the bottom surface of the last whereby when the sole-attaching pressure is applied to the outsole for cementing it to the shoe bottom the said rib will be forced into said groove and the welt will have a force applied thereto moving the outer edge thereof toward the outsole.

2,135,547

COMBINED COMBUSTION CHAMBER AND HEAT EXCHANGER

Harold Warr, Detroit, Mich.

Application January 23, 1937, Serial No. 122,031
4 Claims. (Cl. 126—101)



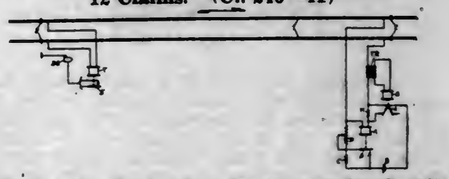
1. A combined combustion chamber and heat exchanger comprising an outer shell having substantially parallel end walls and side walls converging downwardly and united at top and bottom by rounded portions, an inner shell substantially corresponding in shape to said outer shell and disposed therein, said inner shell having substantially parallel end walls spaced from the end walls of the outer shell and downwardly converging side walls spaced from the side walls of the outer shell, the upper ends of the inner shell side walls being united by a rounded portion and the lower ends of said side walls being united by a transverse wall spaced substantially from the bottom rounded portion of the outer shell, a transverse partition spaced beneath said transverse wall and dividing the outer shell into a water chamber of which the inner shell comprises the inner defining wall, a plurality of flues connected to the inner shell at points substantially spaced above said transverse wall and to the outer shell at points beneath the transverse partition, a flue connected to the outer shell beneath said transverse partition, and means for conveying water to and from the space between the inner and outer shells.

2,135,548

TRACK CIRCUIT FOR RAILROADS

Joseph E. Willing, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

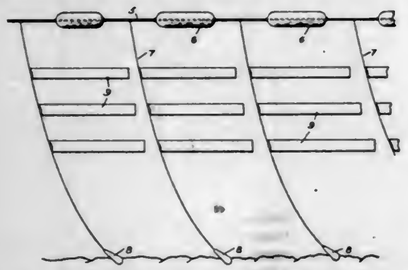
Application June 14, 1934, Serial No. 730,646
12 Claims. (Cl. 246—41)



12. In a track circuit, a track relay, track rails,

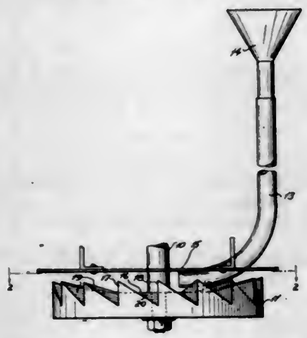
a regulator relay arranged to automatically increase the energizing current through said track rails and track relay when the potential across the track rails adjacent said regulator relay due to weather conditions on said track circuit falls below a particular value, and an impulse actuated locking means inductively coupled with said track circuit so as to be distinctively responsive to the shunting of said track rails by a train for when assuming one condition preventing a change in position of said regulator relay.

2,135,549
TARGET
Wilbur E. Yocum, Chevy Chase, Md.
Application April 9, 1937, Serial No. 135,935
3 Claims. (Cl. 273—105.3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



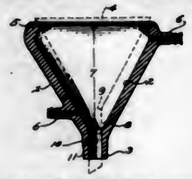
1. In a target adapted to be towed, a towing cable, a plurality of balloons on the cable for suspending it in air, a plurality of lines attached to the cable in the vicinity of the balloons, a drag element on the free end of each line, and pennants carried by each line.

2,135,550
METHOD AND APPARATUS FOR CLEANING BY ABRASIVE ACTION
John Donald Alexander, Cleveland, Ohio, assignor to American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware
Application July 10, 1935, Serial No. 30,666
8 Claims. (Cl. 51—9)



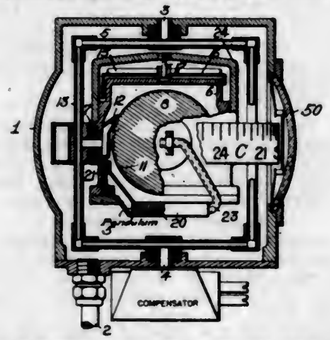
1. A method of causing a substantially fan-shaped stream of abrasive bodies to impinge upon articles to be cleaned, and of regulating the angular size of the stream, which consists in delivering said bodies onto the upper surface of a revolving horizontal wheel at selected variable distances from the center of the wheel.

2,135,551
FUNNEL HEATING DEVICE
Louis N. Markwood, Washington, D. C.
Application September 24, 1936, Serial No. 102,333
8 Claims. (Cl. 226—29)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A heat transfer device, comprising a substantially conical receptacle of resilient material, having openings formed therein, and inlet and outlet means formed therewith, and adapted to hold a funnel and to substantially restrict the flow of circulating fluid between said receptacle and a funnel.

2,135,552
GYRO MAGNETIC COMPASS
John B. Peterson, Bethesda, Md.
Application January 22, 1934, Serial No. 707,752
14 Claims. (Cl. 33—222)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

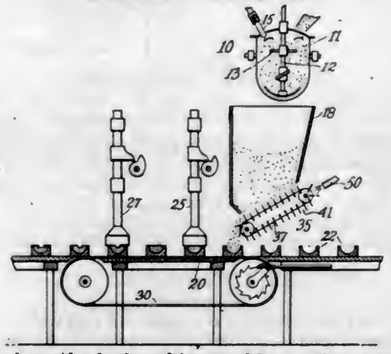


1. In a gyro magnetic compass, the combination with a directional gyroscope having a gyro rotor casing, of a magnetic element pivotally mounted thereon, a source of power controlled by relative turning of said element and casing for causing the spin axis of said gyroscope to follow the average position of said element, means for periodically clutching and unclutching said element and gyroscope, and means operated in timed relation to said first means for synchronously rendering operative and inoperative said source of power.

2,135,553
ARYL MERCURY SULPHONAMIDES
Carl N. Andersen, Wellesley Hills, Mass., assignor to Lever Brothers Company, a corporation of Maine
No Drawing. Application April 28, 1937, Serial No. 139,505
19 Claims. (Cl. 260—334)

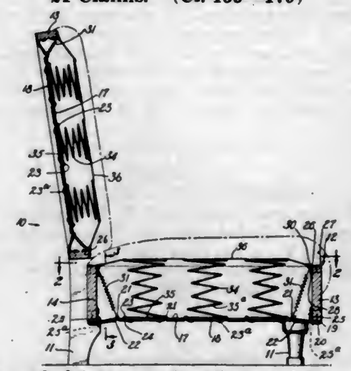
1. The method of preparing aromatic mercury sulphonamides in which the aromatic mercury radical is linked to a sulphonamido group, which comprises reacting in solution a sulphonamide and an aromatic mercury compound of the kind in which the mercury is directly connected to a carbon atom of an aromatic structure in which none of the carbon atoms has direct linkage with any element other than hydrogen, carbon and mercury.

2,135,554
METHOD OF MANUFACTURING FORMED OR MOLDED ARTICLES
Joseph A. Babor, New York, N. Y.
Application March 9, 1937, Serial No. 129,782
4 Claims. (Cl. 18—48)



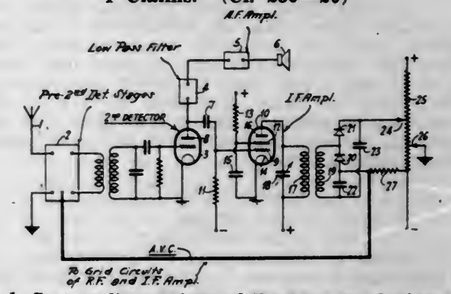
1. A method of making molded or formed articles (pipe coverings, blocks, boards and the like) from compressible exfoliated zonolite or the like, and a binder, comprising adding to the exfoliated zonolite a liquid in an amount to substantially saturate and be absorbed within the exfoliations of the zonolite said liquid being of a kind which acts with the binder to make it active as a binder, adding a binder in a dry finely divided state to the zonolite containing the absorbed liquid mixing, and, after mixing, expelling liquid from within the exfoliations of the zonolite to soften the binder to unite the zonolite particles in the form or shape of article desired.

2,135,555
UPHOLSTERY CONSTRUCTION
Albert M. Bank, Jersey City, N. J., assignor to Sylvia Bank, Jersey City, N. J.
Application June 19, 1935, Serial No. 27,295
21 Claims. (Cl. 155—179)



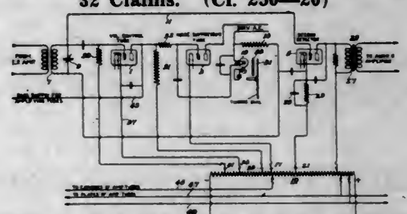
2. In upholstery construction, a frame, a one piece webbing attached thereto, a member contacting the underside of said webbing and attached at the ends thereof to said frame, coil tension springs interconnecting intermediate portions of said member with said frame, said members having pairs of humped portions extending through said webbing, and a plurality of foundation springs on said webbing, aligned with each member, each spring having an end convolution thereof threaded through a pair of humped portions.

2,135,556
DELAYED AUTOMATIC GAIN CONTROL CIRCUIT
Charles Percy Beanland, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application October 28, 1936, Serial No. 107,933
In Great Britain December 16, 1935
4 Claims. (Cl. 250—20)



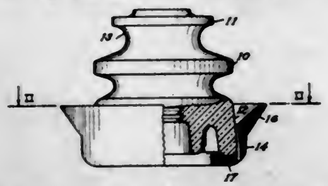
1. In a radio receiver of the type employing at least one signal transmission tube and an automatic volume control circuit therefor, said control circuit comprising a pair of rectifiers in series, a direct current voltage supply source, an impedance across said source providing a potentiometer, means establishing an intermediate point of said impedance at a fixed potential, connections from opposite terminals of the rectifiers to points on the impedance which are respectively positive and negative with respect to the said fixed point, a connection from the transmission tube control electrode to the negative terminal of said series rectifiers, and means for impressing received signal energy between the junction of the rectifiers and each of said opposite terminals.

2,135,557
SIGNAL RECEIVING APPARATUS
George Lisle Beers, Collingswood, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application January 31, 1931, Serial No. 512,653
32 Claims. (Cl. 250—20)



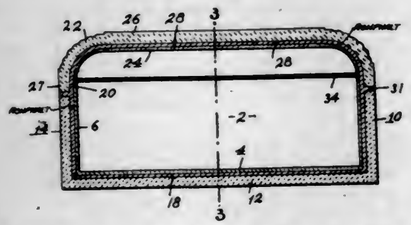
1. In signal receiving apparatus including demodulating means, means for supplying signal potentials to said demodulating means including an adjustable tuning reactor, and signal responsive means for applying an additional potential to said demodulating means to render said demodulating means substantially inoperative during adjustment of said reactor and for restoring said demodulating means to operation in response to signals of a predetermined amplitude.

2,135,558
INSULATOR SHIELD
Perry J. Bott, Little Rock, Ark.
Application March 7, 1938, Serial No. 194,367
6 Claims. (Cl. 173—28)



1. In combination with an insulator having an outwardly flared petticoat portion the surface of which is smooth, a shield of relatively easily deformable resilient material disposed over said portion, said shield being stretched circumferentially over the outer and lower surface of the petticoat portion and being supported thereon through resilient engagement of said shield with said petticoat portion.

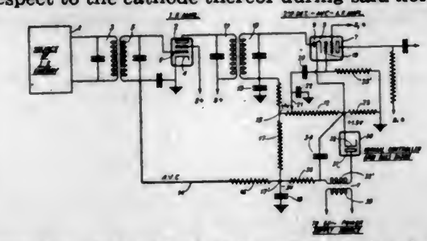
2,135,559
BURIAL VAULT
Walter C. Broughton, Kansas City, Mo.
Application November 1, 1937, Serial No. 172,166
1 Claim. (Cl. 72—7)



A burial vault comprising a body portion and a lid therefor, said body portion comprising inner and outer chambers respectively with an intervening core of waterproof material, the walls of said inner chamber projecting above the walls of the outer chamber to provide an upwardly extending flange, said waterproof material extending upwardly to a level with the top of the flange and overlapping the upper edges of the end and side walls respectively of the outer chamber, the lid for the body portion comprising inner and outer sections with an intervening waterproof core, said outer section extending below the inner section and adapted to telescope over the upwardly projecting flange of the body, and said waterproof core extending downward to the lower margin of the outer section and covering the lower margin of the inner section.

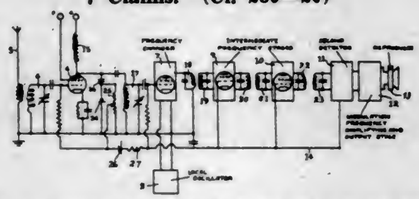
2,135,560
DELAYED AUTOMATIC VOLUME CONTROL CIRCUIT
Wendell L. Carlson, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 29, 1935, Serial No. 29,003
Renewed October 1, 1937
8 Claims. (Cl. 250—20)

2. In combination with a tuned signal amplifier of a radio receiver, a tuned demodulator diode circuit having its electrodes coupled to the output circuit of said amplifier, a load resistor in circuit with the anode and cathode of the diode, means for maintaining the diode anode at a positive potential with respect to the amplifier cathode during normal signal reception, additional means for maintaining the signal input grid of the amplifier at a negative potential with respect to the cathode thereof during said normal



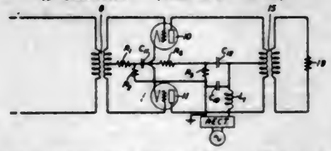
reception, and means operatively associated with the demodulator diode circuit for rendering said additional means inoperative to bias said signal grid when a predetermined signal amplitude has been exceeded, and for variably biasing said signal grid subsequent to said last named amplitude.

2,135,561
WIRELESS AND LIKE RECEIVER
William Horace Connell, Hillingdon, England, assignor to Electric & Musical Industries Limited, Middlesex, England, a company of Great Britain
Application March 14, 1936, Serial No. 68,791
In Great Britain March 16, 1935
7 Claims. (Cl. 250—20)



5. In combination with a signal transmission tube followed by a network of high selectivity, an automatic gain control means coupled to the network output and arranged to decrease the tube gain with signal amplitude increase, a second gain control means coupled to the network input and arranged to decrease the tube gain with increase of received signal amplitude, and additional means, common to both said control means for preventing the first control means from acting on said tube when the control action of the second control means is at a predetermined level.

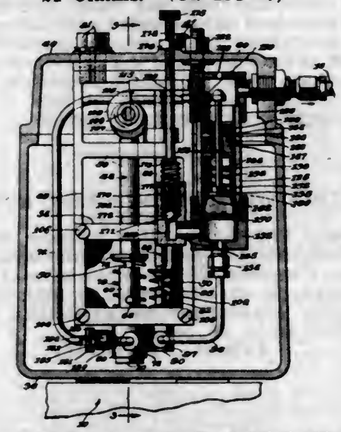
2,135,562
THERMIONIC AMPLIFIER
Van M. Cousins, Lyndhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 1, 1935, Serial No. 19,150
2 Claims. (Cl. 179—171)



1. In a push-pull amplifier stage including thermionic devices having grid, anode and cathode elements, a circuit supplying anode voltage

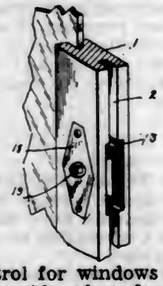
derived from an alternating current source, including a filter, a mid-branch circuit with impedance elements including resistance and condenser elements for controlling transmission to the cathodes of the second order components, said resistance being disposed in series with the anode power supply and said condenser being placed in shunt to the anode power supply to aid in filtering the anode power supply, said impedance elements being proportioned to correspond substantially to the minimum point of the curve of third harmonic distortion as a function of mid-branch resistance (R_6).

2,135,563
LUBRICATING APPARATUS
Ernest W. Davis, Oak Park, Ill., assignor, by mesne assignments, to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application March 11, 1931, Serial No. 521,748
21 Claims. (Cl. 184—7)



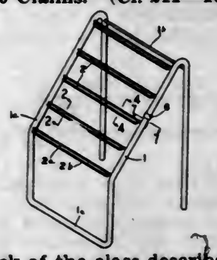
4. A pump for a centralized lubricating system comprising an oil reservoir, means for effecting periodic discharges of oil from said reservoir, and means responsive to the viscosity of the oil in said reservoir for regulating the frequency of said periodic discharges.

2,135,564
WEATHER STRIP AND SASH HOLDER
Peter Delich, Duluth, Minn.
Application March 19, 1937, Serial No. 131,912
1 Claim. (Cl. 292—18)



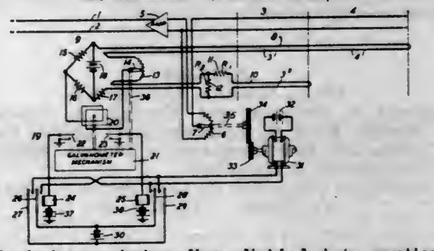
A sash control for windows having longitudinal slots in its side edges for cooperation with weather strip elements, said sash control comprising spring biased clamping members pivoted together between their side edges, and carried by the sash and adapted for frictional engagement upon opposite sides of the extending portions of said weather strip elements, and a bolt extending through one of said members and screw threadedly into the other for regulating the force of said spring.

2,135,565
RACK
Lee J. Devney, Painesville, Ohio
Application August 25, 1937, Serial No. 160,836
10 Claims. (Cl. 211—168)



1. In a rack of the class described, a bar comprising a main rod and an auxiliary rod mounted thereon in parallel relation therewith, said main rod being horizontally disposed and mounted for rotational adjustment to adjust said auxiliary rod over said main rod between positions on opposite sides of said main rod, and stop means for preventing movement of said auxiliary rod below said main rod.

2,135,566
GAIN CONTROL CIRCUIT
John T. Dixon, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 2, 1937, Serial No. 162,137
10 Claims. (Cl. 178—44)

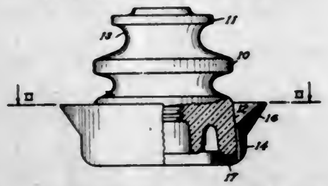


1. A transmission line divided into sections having different attenuation-resistance coefficients, a pilot wire circuit associated with all of said line sections, control means adjusted according to the attenuation-resistance coefficient of one line section and according to the resistance variations of the pilot wire circuit to compensate for attenuation changes of the transmission line, a second pilot wire circuit associated with only one line section and means for adjusting said control means according to the resistance variations of the second pilot wire with reduced control effect so as to correct for an error effected in compensating for the change in the transmission line attenuation in accordance with the attenuation-resistance coefficient of only one line section.

2,135,567
CAR CARD HOLDER
Edward T. Doherty, Chicago, Ill., assignor to Apex Railway Products Company, Chicago, Ill., a corporation of Delaware
Application April 26, 1937, Serial No. 138,973
6 Claims. (Cl. 40—17)

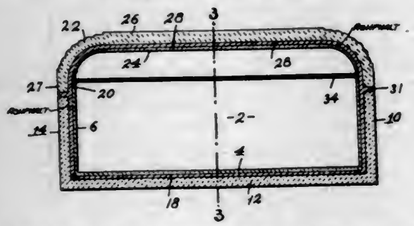
1. A car card holder comprising a holder or

2,135,558
INSULATOR SHIELD
Perry J. Bott, Little Rock, Ark.
Application March 7, 1938, Serial No. 194,367
6 Claims. (Cl. 173—28)



1. In combination with an insulator having an outwardly flared petticoat portion the surface of which is smooth, a shield of relatively easily deformable resilient material disposed over said portion, said shield being stretched circumferentially over the outer and lower surface of the petticoat portion and being supported thereon through resilient engagement of said shield with said petticoat portion.

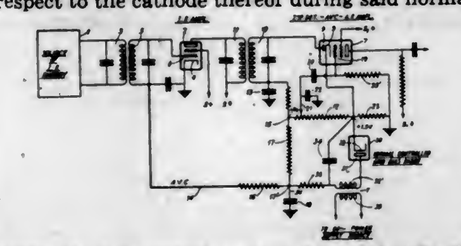
2,135,559
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Walter C. Broughton, Kansas City, Mo.
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1 Claim. (Cl. 72—7)



A burial vault comprising a body portion and a lid therefor, said body portion comprising inner and outer chambers respectively with an intervening core of waterproof material, the walls of said inner chamber projecting above the walls of the outer chamber to provide an upwardly extending flange, said waterproof material extending upwardly to a level with the top of the flange and overlapping the upper edges of the end and side walls respectively of the outer chamber, the lid for the body portion comprising inner and outer sections with an intervening waterproof core, said outer section extending below the inner section and adapted to telescope over the upwardly projecting flange of the body, and said waterproof core extending downward to the lower margin of the outer section and covering the lower margin of the inner section.

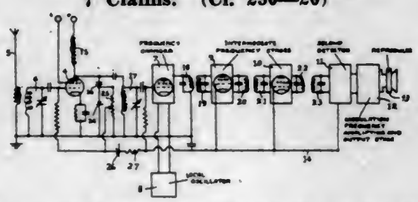
2,135,560
DELAYED AUTOMATIC VOLUME CONTROL CIRCUIT
Wendell L. Carlson, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 29, 1935, Serial No. 29,003
Renewed October 1, 1937
8 Claims. (Cl. 250—20)

2. In combination with a tuned signal amplifier of a radio receiver, a tuned demodulator diode circuit having its electrodes coupled to the output circuit of said amplifier, a load resistor in circuit with the anode and cathode of the diode, means for maintaining the diode anode at a positive potential with respect to the amplifier cathode during normal signal reception, additional means for maintaining the signal input grid of the amplifier at a negative potential with respect to the cathode thereof during said normal



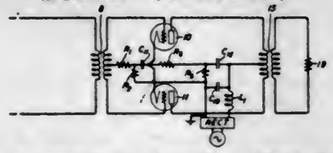
reception, and means operatively associated with the demodulator diode circuit for rendering said additional means inoperative to bias said signal grid when a predetermined signal amplitude has been exceeded, and for variably biasing said signal grid subsequent to said last named amplitude.

2,135,561
WIRELESS AND LIKE RECEIVER
William Horace Connell, Hillingdon, England, assignor to Electric & Musical Industries Limited, Middlesex, England, a company of Great Britain
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5. In combination with a signal transmission tube followed by a network of high selectivity, an automatic gain control means coupled to the network output and arranged to decrease the tube gain with signal amplitude increase, a second gain control means coupled to the network input and arranged to decrease the tube gain with increase of received signal amplitude, and additional means, common to both said control means for preventing the first control means from acting on said tube when the control action of the second control means is at a predetermined level.

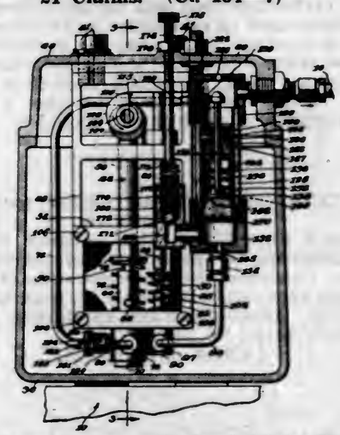
2,135,562
THERMIONIC AMPLIFIER
Van M. Cousins, Lyndhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
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1. In a push-pull amplifier stage including thermionic devices having grid, anode and cathode elements, a circuit supplying anode voltage

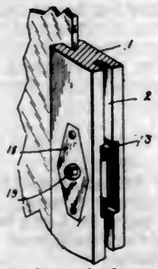
derived from an alternating current source, including a filter, a mid-branch circuit with impedance elements including resistance and condenser elements for controlling transmission to the cathodes of the second order components, said resistance being disposed in series with the anode power supply and said condenser being placed in shunt to the anode power supply to aid in filtering the anode power supply, said impedance elements being proportioned to correspond substantially to the minimum point of the curve of third harmonic distortion as a function of mid-branch resistance (R_6).

2,135,563
LUBRICATING APPARATUS
Ernest W. Davis, Oak Park, Ill., assignor, by mesne assignments, to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application March 11, 1931, Serial No. 521,748
21 Claims. (Cl. 184—7)



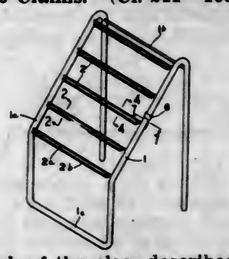
4. A pump for a centralized lubricating system comprising an oil reservoir, means for effecting periodic discharges of oil from said reservoir, and means responsive to the viscosity of the oil in said reservoir for regulating the frequency of said periodic discharges.

2,135,564
WEATHER STRIP AND SASH HOLDER
Peter Delich, Duluth, Minn.
Application March 19, 1937, Serial No. 131,912
1 Claim. (Cl. 292—18)



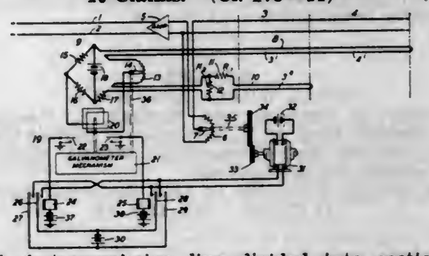
A sash control for windows having longitudinal slots in its side edges for cooperation with weather strip elements, said sash control comprising spring biased clamping members pivoted together between their side edges, and carried by the sash and adapted for frictional engagement upon opposite sides of the extending portions of said weather strip elements, and a bolt extending through one of said members and screw threadedly into the other for regulating the force of said spring.

2,135,565
RACK
Lee J. Devney, Painesville, Ohio
Application August 25, 1937, Serial No. 160,836
10 Claims. (Cl. 211—168)



1. In a rack of the class described, a bar comprising a main rod and an auxiliary rod mounted thereon in parallel relation therewith, said main rod being horizontally disposed and mounted for rotational adjustment to adjust said auxiliary rod over said main rod between positions on opposite sides of said main rod, and stop means for preventing movement of said auxiliary rod below said main rod.

2,135,566
GAIN CONTROL CIRCUIT
John T. Dixon, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 2, 1937, Serial No. 162,137
10 Claims. (Cl. 178—44)

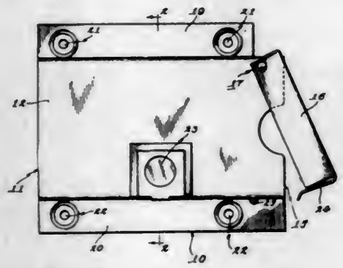


1. A transmission line divided into sections having different attenuation-resistance coefficients, a pilot wire circuit associated with all of said line sections, control means adjusted according to the attenuation-resistance coefficient of one line section and according to the resistance variations of the pilot wire circuit to compensate for attenuation changes of the transmission line, a second pilot wire circuit associated with only one line section and means for adjusting said control means according to the resistance variations of the second pilot wire with reduced control effect so as to correct for an error effected in compensating for the change in the transmission line attenuation in accordance with the attenuation-resistance coefficient of only one line section.

2,135,567
CAR CARD HOLDER
Edward T. Doherty, Chicago, Ill., assignor to Apex Railway Products Company, Chicago, Ill., a corporation of Delaware
Application April 26, 1937, Serial No. 138,973
6 Claims. (Cl. 40—17)

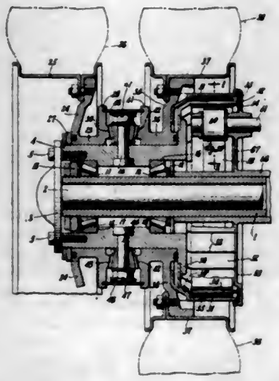
1. A car card holder comprising a holder or

container body having an open end through which a card may be inserted into and removed from the same in a direction parallel to the wall of a car on which the said card holder is mounted, said body including a front wall and a rear wall spaced from each other and the latter having flanges formed thereon one at the top and one at the bottom thereof and said flanges being provided with apertures through which fastening elements may be inserted so as to attach the said card holder to a support, a closure



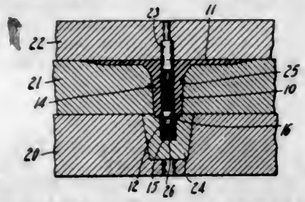
member hingedly mounted upon the said body for closing the said open end thereof, means normally urging the said closure member into closed position, and means normally latching the said closure member in closed position, said rear wall being offset forwardly from the plane of the said flanges so that when the said card holder is in use a card may be manually inserted into and removed from the same through the said open end thereof without manual contact with the wall of the car on which the said card holder is mounted.

2,135,568
DUAL-WHEEL ASSEMBLY
Hobart N. Durham and Kendall E. Canfield, Munsey Park, N. Y., assignors to Detroit Compensating Axle Corporation, Detroit, Mich., a corporation of Delaware
Application November 10, 1936, Serial No. 110,090
10 Claims. (Cl. 188—18)



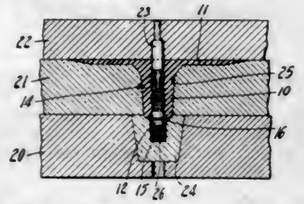
4. In a dual-wheel assembly a pair of independently rotatable wheels, a pair of brake drums, and an expansible device adapted to effect braking pressure on one or both of said drums.

2,135,569
RUBBER VALVE STEM FOR INFLATABLE ARTICLES
Tharon J. Ellis, Akron, Ohio, assignor, by mesne assignments, to The Dill Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application December 15, 1934, Serial No. 757,660
1 Claim. (Cl. 152—430)



A rubber valve stem for inflatable articles comprising a rubber valve base flange, a rubber sleeve projecting from said flange, a metal valve tube vulcanized in said sleeve and having a portion projecting therefrom, a shoulder being formed at the junction of the sleeve and the portion of the tube projecting therefrom, and a ledge on said tube forming at least a portion of the exterior surface of said shoulder.

2,135,570
METHOD OF MANUFACTURING RUBBER VALVE STEMS
Tharon J. Ellis, Akron, Ohio, assignor, by mesne assignments, to The Dill Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Original application December 15, 1934, Serial No. 757,660. Divided and this application January 8, 1936, Serial No. 58,062
1 Claim. (Cl. 18—59)

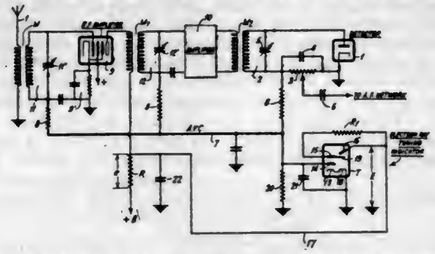


The method of forming a valve stem consisting of rubber attached to a hollow metal member provided with a bearing surface, which comprises applying unvulcanized rubber to a predetermined portion of the metal member adjacent one end thereof and adjacent said bearing surface and preventing creeping of said rubber beyond said predetermined portion during curing in a mold by having the faces of the vulcanizing mold in engagement with the bearing surface on the metal member.

2,135,571
ELECTRON RAY TUBE INDICATOR CIRCUIT
Dudley E. Foster, South Orange, N. J., and Garrard Mountjoy, Bayside, Long Island, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application April 21, 1937, Serial No. 138,108
7 Claims. (Cl. 250—20)

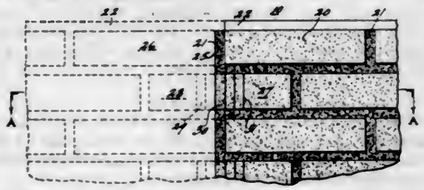
1. A method of visually indicating the magnitude of direct current voltages which includes the steps of projecting electrons upon a fluorescent target, applying a positive potential to said target, deflecting electrons from said fluorescent target in response to changes in magnitude of a

direct current voltage, and varying the positive potential of said target over a relatively wide po-



tential range concurrently with changes in magnitude of said direct current voltage.

2,135,572
BUILDING COVERING UNIT
William B. Fried, Pittsburgh, Pa., assignor to Briktex Incorporated, Newark, N. J.
Application March 2, 1938, Serial No. 193,506
5 Claims. (Cl. 20—5)



1. A shingle of the character described, consisting of a rectangular body with one surface shaped to simulate several horizontal rows of brick elements in staggered relation, one end edge of the shingle co-inciding with the end plane of the ends of whole bricks, the other end edge of the shingle being provided with a mortar strip at the ends of whole bricks to be butted against the ends of whole bricks of an adjoining shingle when placed in position, the intermediate half-bricks between the whole bricks at the mortar end of the shingle being formed to embody a vertical bar in line with the mortar strip to create an optical illusion of a break in the vertical mortar strip, thereby to camouflage the meeting line between two adjoining shingles.

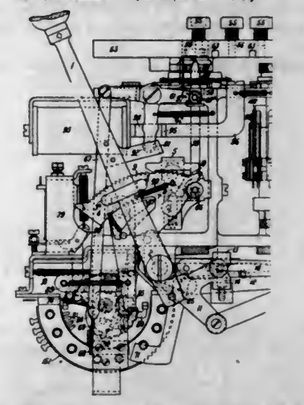
2,135,573
COMBINATION SEMITRAILER TANK AND GENERAL DELIVERY BODY
Edward H. Gill, Kansas City, Mo., assignor to Andrew A. Kramer, Kansas City, Mo.
Application July 3, 1936, Serial No. 88,803
18 Claims. (Cl. 280—5)

1. A combination drop frame semi-trailer vehicle comprising a plurality of longitudinally extending vertical web portions and a plurality of transverse vertical web portions integrally united to form a rigid rectangular trailer framework, a top load supporting wall mounted on said vertical web portions and integrally united therewith to stiffen said framework, and a shell portion comprising a bottom wall portion and side wall portions secured in liquid tight relation with said top load supporting wall to form a tank body, said vertical web portions comprising portions lying within said tank body and forming transversely and longitudinally extending bracing means for said tank body and dividing said tank body into a plurality of compartments, said web portions being integrally united with said shell portion to stiffen said framework and said shell portion, certain of said transversely extending web portions extending from said top wall through said tank body and extending down-



wardly beyond the bottom thereof and a trailer wheel assembly connected with said extending web portions to transfer the load carried by said top wall through said web portions to said wheel assembly.

2,135,574
TICKET PRINTING AND ISSUING MACHINE FOR TOTALIZATORS
John Handley, London, England
Application August 29, 1936, Serial No. 98,522
In Great Britain January 9, 1935
2 Claims. (Cl. 101—66)

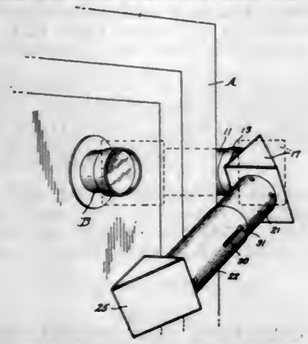


1. A ticket printing and issuing machine comprising, in combination, printing types, manually rotatable dials for moving the types selectively into printing position, plunger keys on said dials marked in correspondence with said types, a type being selected by manual depression of the respective key and by rotation of the dials until the rotation is arrested, means co-acting with the depressed key for arresting rotation of the dials, and means co-acting with said dial-arresting means for locking the dials in arrested position.

2,135,575
FLASH EXPOSURE DEVICE FOR CAMERAS
August C. Hansch, Cliffside, and Henry E. Hansch, Whippany, N. J.; said August C. Hansch assignor to Otto Platz, Dumont, N. J.
Application March 6, 1937, Serial No. 129,340
4 Claims. (Cl. 95—11)

1. In a flash exposure device for cameras of the type used for producing half tone negatives and having a front bellows support with a lens adjustable laterally and vertically with reference to the front bellows support, said device including a light source, a housing for said light source secured to the front bellows support, a pair of mirrors, a condensing lens interposed between said light source and said mirrors, means supporting said mirrors in angular confronting spaced relation, and means swivelly connecting said first named means to the housing for swinging movement thereof to dispose the mirrors in

active and inactive positions and for receiving



and directing the light from the light source into the lens of the camera when in active position.

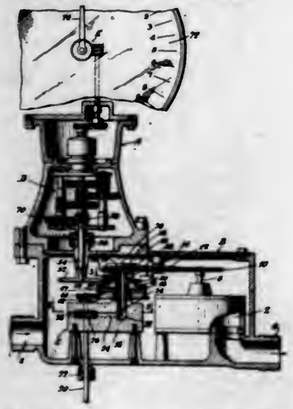
2,135,576

AUXILIARY POWER DRIVE

Charles S. Hazard, New York, N. Y., assignor to Neptune Meter Company, a corporation of New Jersey

Application March 5, 1936, Serial No. 67,242

7 Claims. (Cl. 73—232)



1. In a device of the type described, a source of feeble movement, a driven device, a drive shaft, a hollow spindle having two spaced outlet ports, means forcing fluid under pressure through said hollow spindle, a pair of fluid operated clutch elements rotatably mounted on the spindle and severally connected to said drive shaft and said driven device, one of said ports leading to the clutch elements, a sleeve on the clutch element connected to said driven device having a port operatively disposed with relation to the other spindle port, and a second sleeve provided with a port and rotatably mounted on the clutch sleeve and connected to said source of feeble movement, whereby relative rotation of the sleeves opens and closes the ports to vary the pressure between the clutch elements and thereby regulate the amount of driving effect transmitted from the drive shaft to the driven device.

2,135,577

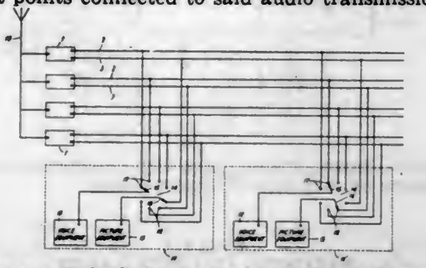
TELEVISION DISTRIBUTION

Philip J. Herbst, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 11, 1935, Serial No. 20,903

1 Claim. (Cl. 178—5.6)

In a transmission system, the combination of a plurality of receivers each tuned to a different sound and picture modulated signal frequency, low frequency and high frequency transmission lines connected to the audio and to the picture outputs of each of said receivers and extending to a point remote from said receivers, a switching device at said point comprising a plurality of contact points connected to said audio transmission



lines, a switch blade arranged to engage said contact points, a sound reproducer connected to said switch blade, a second plurality of contact points connected respectively to the picture transmission lines, a second switch blade arranged to engage said last named contacts, a picture reproducing device connected to said last named switch blade and said two switch blades being operated in unison by a common device.

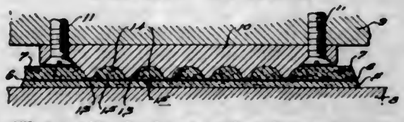
2,135,578

METHOD OF FORMING TRIM PANELS

Andrew J. Jarosik, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware

Application October 3, 1936, Serial No. 103,846

2 Claims. (Cl. 154—2)



2. The method of preparing inner trim panels which includes adhesively securing a section of loosely felted padding material to a backing sheet, applying a liquid bonding agent to a portion of said padding material, embossing a portion of said padding material to which said bonding agent has been applied to conform the same to an ornamental configuration, adhesively securing a section of fabric finish material over said padded backing sheet and conforming said fabric finish material to the configuration of said padded backing sheet to tension the same thereacross.

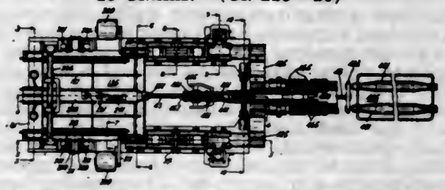
2,135,579

CAN BODY MAKING MACHINE

Axel Johnson, deceased, late of Oakland, Calif., by George Walter Johnson and Lloyd A. Johnson, executors, Oakland, Calif., and George Walter Johnson, Oakland, Calif.

Application May 4, 1936, Serial No. 77,744

15 Claims. (Cl. 113—10)



1. A can body forming machine comprising a magazine for material, means for feeding material from said magazine along a given path, a pair of forming horns situated at opposite sides of the path along which material is advanced by said feeding means, concurrently operable forming rolls operatively associated with each of said horns, and means for diverting portions of said material from said path into each of said rolls.

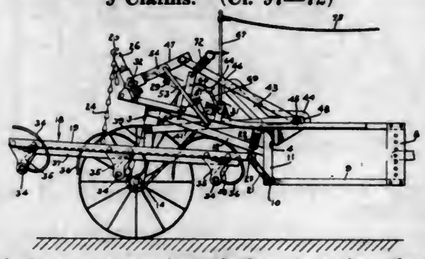
2,135,580

GROUND WORKING IMPLEMENT

Clark C. King, Owatonna, Minn., assignor to Jos. J. Kovar Co., Inc., Owatonna, Minn., a corporation of Minnesota

Application September 13, 1937, Serial No. 163,570

9 Claims. (Cl. 97—72)



1. In an apparatus of the class described, a main supporting frame, an auxiliary frame mounted on said main frame and adapted for vertical movement, a plurality of ground engaging elements movably supported on the auxiliary frame, a mechanism for vertically translating the auxiliary frame to move said elements into or out of engagement with the ground, a guide slot in the main frame having inclined and horizontally disposed portions, and a member having one end secured to the auxiliary frame and its opposite end received in said slot, the angular shape of said guide slot causing the ground engaging elements to be partially rotated only after said elements have been moved out of the ground, whereby foreign matter accumulated thereon may discharge therefrom.

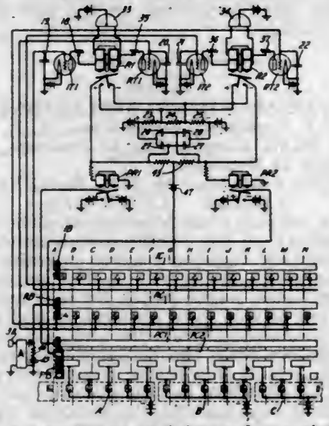
2,135,581

SYNCHRONOUS RECEIVING SYSTEM

William A. Knoop, Hempstead, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 10, 1928, Serial No. 253,239

26 Claims. (Cl. 178—52)



1. In a synchronous telegraph receiving system, a plurality of relays each having a movable armature operable between two contacts connected to opposite poles of a source of potential and having two operating windings, means connected to each winding for lengthening pulses applied thereto, synchronous distributing means for distributing received signal impulses to one winding of each repeating device through said pulse lengthening means in rotation and for concurrently applying to the other winding of said relay through the pulse lengthening means associated therewith an impulse from the tongue of the preceding relay of such polarity and in such direction as to tend to operate the tongue of said relay to a position or polarity opposite that of the tongue of the preceding relay, signal recording means, and synchronous switching means for connecting the tongues of the relays to said signal recording means in rotation.

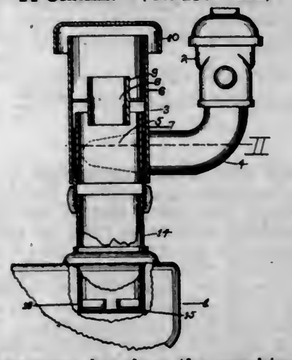
2,135,582

VACUUM BREAKER

Carl J. Kohler, Kohler, Wis.

Application December 30, 1936, Serial No. 118,252

14 Claims. (Cl. 137—111)



1. In a vacuum breaker, the combination of a tubular body, a liquid supply pipe thereto, a port adapted to provide communication between said supply pipe and said body and entering said body in a direction substantially tangential thereto, and an aperture positioned in the central portion of said body and adapted to provide communication between the interior of said body and the exterior atmosphere.

2,135,583

COMBINATION PACKER

Leslie A. Layne, Houston, Tex.

Application May 6, 1935, Serial No. 19,959

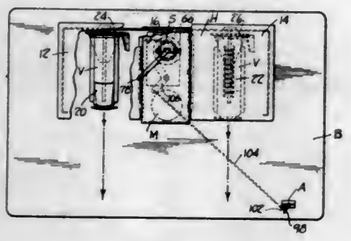
15 Claims. (Cl. 166—10)



1. A packing of the character described in-

cluding a screen and liner support, a fabric packing thereon, a metallic packing also on said support and independent of said fabric, and means to apply pressure to said packings to telescope them along said support to expanded position.

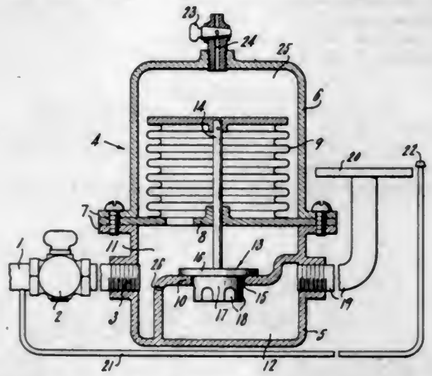
2,135,584
TOY FIRE HOUSE
Raymond Lohr, Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y., a corporation of New York
Application November 13, 1937, Serial No. 174,362
18 Claims. (Cl. 46—12)



16. A toy fire house comprising a simulated fire house building, a simulated fire fighting vehicle received near each end of the building, a vehicle-ejecting pusher in back of each vehicle and reciprocable in the direction of movement of the vehicle, a spring on each pusher normally urging the pusher forwardly, a latch at each pusher for holding the pusher in rearward position against the force of the spring, a cam wheel disposed in the fire house building between the vehicles and having a single camming element adapted to release one of the latches at one point in its rotation and to release the other of the latches at another point in its rotation, a stop to limit the movement of the cam wheel to a single revolution, a spring tending to move said cam wheel in one direction, a crank for turning it in opposite direction to wind the spring, a detent to hold the cam wheel in wound position, an alarm signal mechanism, step-up gearing connecting said cam wheel to said alarm signal mechanism in order to operate the same over a substantial period of time and during the successive release of the pushers, a simulated alarm box relatively remote from said fire house, and means connecting said alarm box to the detent in order to release the cam wheel and to thereby set the signal into continuous operation and the pushers into successive operation.

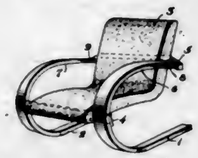
2,135,585
LIGHTING CONTROL FOR FUEL BURNERS
Herbert J. Long, Springfield, Mass., assignor to United American Bosch Corporation, Springfield, Mass., a corporation of New York
Application June 25, 1936, Serial No. 87,179
1 Claim. (Cl. 158—115)

In a lighting control for gas burners of the type including a main burner and a pilot adjacent thereto, a supply line leading to said main burner, a casing connected in said supply line, a diaphragm forming a partition dividing the interior of said casing into two chambers, and a valve attached to said diaphragm controlling the flow of gas through said casing, the effective area of said diaphragm exposed to gas pressure being independent of the position of said valve, said valve carrying a skirt portion for partially obstructing the orifice controlled by said valve



during a predetermined movement of said diaphragm.

2,135,586
FURNITURE SUPPORT
Anton Lorenz and Andreas Gaal, Berlin, Germany
Application April 20, 1936, Serial No. 75,355
In Germany April 23, 1935
2 Claims. (Cl. 155—50)

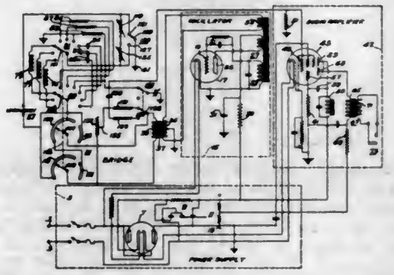


1. A side support for a chair or the like, comprising a U-shaped structure designed to rest on one of its legs, in which said U-shaped structure with the exception of at least one of the free ends of its legs is solid and said free end is divided into a plurality of leaves slidable on each other, said leaves being integral with the solid portion of said leg and forming a resilient end portion, a part of the chair being supported on the solid portion of the structure, and a part of the chair being supported on the resilient end of the structure.

2,135,587
VARIABLE RATIO ARM BRIDGE
Maurice J. Lovelady, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 28, 1935, Serial No. 42,644
2 Claims. (Cl. 175—183)

1. In a portable measuring device of the Wheatstone bridge type, the combination which includes a continuously variable resistor operable in cooperation with a linear scale, a first and a second fixed resistance, a first switch for selectively connecting one of said fixed resistors to said variable resistor whereby said variable and said selectable fixed resistors form the conjugate variable arm and ratio arm of said bridge respectively; a plurality of standards of known values of resistance, capacitance, and inductance, a second switch to select one of said standards, terminal connections for an unknown capacitor, resistor, or inductor which is to be measured, connections including a reversing switch whereby said unknown and said

standard are serially connected across said variable arm and said ratio arm to form the remaining two conjugate arms of said bridge, said reversing switch being operably connected to said second switch whereby the selection of a capacitive standard automatically reverses the relative position of said standard and said unknown; a second variable resistor, and a third switch whereby said second variable resistor may be



connected in series with said standard or said unknown; a variable capacitor, a fourth switch, and connections whereby said fourth switch connects said variable capacitor across at least one of said resistance standards to thereby permit the inherent shunt capacitance across high resistances which are to be measured to be balanced out; means for energizing said bridge, and means for indicating a balance.

2,135,588
AUTOGRAPHIC REGISTER
Charles Miller, Jersey City, N. J.
Application October 31, 1935, Serial No. 47,555
17 Claims. (Cl. 282—16)

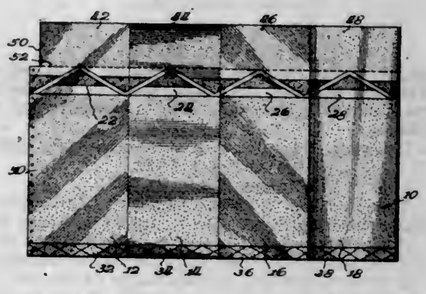


12. An autographic register of the character described, comprising a case having a bottom wall and side walls, a cover over said case, the front portion of said cover constituting a writing table, a framing plate hinged to the front of said case and overlying said writing table, a lever pivoted to said case and having a hook portion adapted to engage said plate adjacent the rear of the latter to retain the same on said writing table, a shaft on said case, a pair of pulleys on said shaft, a second shaft on said case and located adjacent the rear of the latter, a pair of pulleys on said second shaft aligned with said first pair of pulleys, belts interconnecting each pair of aligned pulleys, the rear portion of said cover having a pair of slots aligned with the belts, pins on said belts adapted to move through said slots upon rotating said pulleys, said lever being formed with an opening having a spiral edge and a radial edge interconnecting the inner and outer ends of said spiral edge, a member of said first shaft having a radial portion adapted to engage said radial edge, and a pair of lugs on the underside of said plate projecting downwardly and adapted to serve as guides for register forms passing therebetween and on said writing table.

2,135,589
PROCESS FOR REMOVING MUD SHEATHS FROM OIL WELLS
Louis T. Monson, Alhambra, Calif., assignor to Tretolite Company, Webster Groves, Mo., a corporation of Missouri
No Drawing. Application June 6, 1935, Serial No. 25,213
4 Claims. (Cl. 166—21)

1. A process for the removal of mud sheaths from geological formations penetrated during the drilling of wells, which consists in the application thereto of a reagent consisting of a relatively stable aqueous dispersion, in which the disperse phase is a water-insoluble organic liquid capable of acting as an oil solvent, and the continuous aqueous phase contains a dispersing agent in the form of a sulfonated organic material.

2,135,590
WALLPAPER DISPLAY CATALOGUE
Nicholas P. Moses, Chicago, Ill., assignor to Mid-West Wall Paper Mills, Joliet, Ill., a corporation of Illinois
Application November 5, 1936, Serial No. 109,333
2 Claims. (Cl. 35—53)



1. A wall paper display sample book comprising a plurality of sheets of paper each having a wall representing lower portion and a ceiling representing upper portion and bound together at one edge adjacent the wall portion only thereof, thereby leaving a substantial ceiling portion of each of the sheets free to be bent forwardly at an angle to the remaining wall portion of the sheet, each of said sheets having a horizontal fold line extending substantially perpendicular to the bound edge of the sheet at the upper end of the bound portion to indicate where said sheet shall be bent to produce a three-dimensional effect with the ceiling portion extending perpendicular to the remaining portion of the sheet.

2,135,591
SOY BEAN FLOUR
Rollin H. Moulton, Western Springs, Ill., assignor to Soy Bean Products Co., Chicago, Ill., a corporation of Illinois
No Drawing. Application January 27, 1937, Serial No. 122,569
15 Claims. (Cl. 99—99)

3. The method of processing soy beans to produce soy bean flour which includes, soaking the beans in water for from about 15 to 24 hours, draining said beans, boiling said beans in brine until they become soft and mealy, dehydrating said beans, and grinding and milling said beans.

2,135,592
SOY BEAN NUTS
Rollin H. Moulton, Western Springs, Ill., assignor to Soy Bean Products Co., Chicago, Ill., a corporation of Illinois
No Drawing. Application January 27, 1937, Serial No. 122,570
13 Claims. (Cl. 99—98)

13. The method of processing soy beans which includes soaking the beans in brine having flavoring and coloring therein, and frying the beans in hot oil until but 2% or 3% of moisture remains in the beans.

2,135,593
SOY BEAN NUTS
Irving A. Nohe, Chicago, Ill., assignor to Soy Bean Products Co., a corporation of Illinois
No Drawing. Application October 2, 1935, Serial No. 43,285
6 Claims. (Cl. 99—98)

1. The method of processing soy beans comprising: soaking the beans in water sufficiently to enlarge them until they absorb substantially 120% water by weight, boiling the beans in brine, removing the material floating to the top of the brine, and frying the boiled beans in oil.

2,135,594
SOY BEAN NUTS
Irving A. Nohe, Oak Park, and Rollin H. Moulton, Western Springs, Ill., assignors to Soy Bean Products Co., Chicago, Ill., a corporation of Illinois
No Drawing. Application November 30, 1936, Serial No. 113,452
10 Claims. (Cl. 99—98)

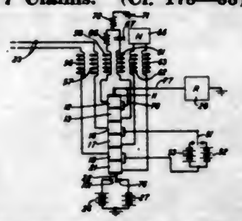
1. The method of processing soy beans which includes soaking the beans in water whereby the size of the bean is increased materially over that of the unsoaked bean in that the large diameter of the soaked bean is substantially twice that of the unsoaked bean and the length of the soaked bean is substantially twice that of the unsoaked bean, draining said beans, placing the beans in brine having a small amount of sugar therein, boiling said beans in said brine until they become soft and mealy, draining said beans, immersing said beans in hot oil, raising the temperature of said oil until but 2% or 3% of the moisture of the bean remains, drying said dehydrated beans and removing skins therefrom.

2,135,595
VEHICLE TOP
Amos E. Northup, Pleasant Ridge, Mich., assignor to The Murray Corporation of America, a corporation of Delaware
Application August 30, 1935, Serial No. 38,579
10 Claims. (Cl. 296—138)



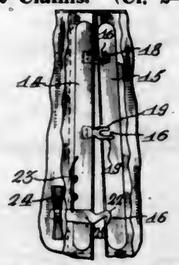
1. In a convertible top construction a rear bow for said top, a flange extending downwardly from said rear bow substantially in the plane of the rear curtain of said top and top material extending from the forward portion of said top over said bow around said flange and secured to the bow inwardly of said flange.

2,135,596
RELAY CIRCUIT
Harry Nyquist, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 27, 1937, Serial No. 128,131
7 Claims. (Cl. 178—88)



2. A relay comprising an armature, opposing contacts adapted to be engaged by said armature, a main winding for operating said armature between said contacts, an auxiliary winding normally tending to move the armature from the contact with which it is in engagement to the opposite contact, means effective upon disengagement of said armature from either of said contacts for causing a current impulse in said auxiliary winding effective to accelerate further movement of said armature, and means for neutralizing the inductive effect of said current impulses on said main winding, said last-mentioned means including a winding in series with said main winding and means for inducing therein impulses of equal intensity and opposite polarity to the impulses induced in said main winding by said impulses in said auxiliary winding.

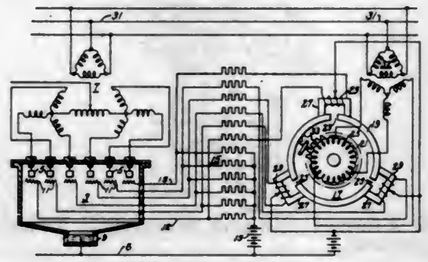
2,135,597
FASTENER FOR CORSETS AND THE LIKE
Jules Pothier, Quebec, Quebec, Canada
Application May 5, 1937, Serial No. 140,993
2 Claims. (Cl. 2—38)



1. A fastener for corset busks having a pair of complementary rigid sections, comprising fastener studs secured to one section, an upper stud engaging hook directed upwardly and secured to the other section, an intermediate positioning notched member having stud engaging legs extending horizontally, the lower leg being longer, a lower pivoted downwardly directed hook adapted to engage a lower stud, means to resiliently urge said hook downwardly, and means for retractably raising the hook from its stud engaging position.

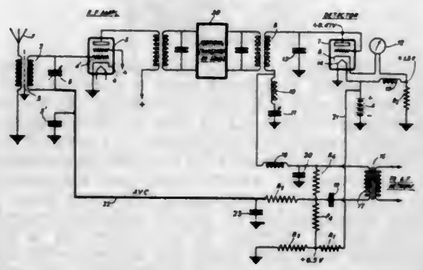
2,135,598
IMPULSING DEVICE FOR USE WITH GRID-CONTROLLED RECTIFIERS
Herbert A. Rose, Leonia, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 28, 1937, Serial No. 166,143
13 Claims. (Cl. 175—363)

1. In an electric current converter system comprising an electric current rectifier of the arcing type including a plurality of anodes, a cathode, control electrodes for said anodes, means for impressing a negative bias on said control electrodes, an impulsing means comprising a stator member and an exciting member, said stator member provided with a plurality of open magnetic cores, a plurality of magnetic bridges con-



nected in shunt with adjacent stator core members, an inductive winding on said bridges, a source of potential for said exciting member, means for producing a rotating flux interlinking said stator member and said exciting member and control means for impressing voltage impulses induced in said stator winding in a predetermined sequence upon said control electrodes.

2,135,599
AUTOMATIC VOLUME CONTROL CIRCUIT
Harold O. Peterson, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application September 14, 1935, Serial No. 40,568
5 Claims. (Cl. 250—20)

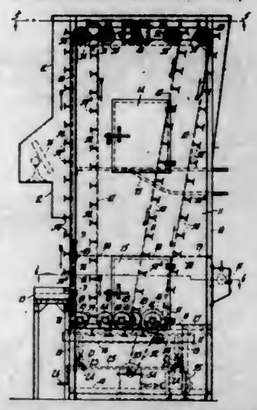


1. A radio receiving system of the type including a signal transmission tube followed by a signal rectifier of the diode type, means for establishing a normal negative grid bias for said transmission tube by the conjoint and opposing action of independent negative and positive direct current voltage sources, said negative voltage source comprising a circuit in the grid circuit of the transmission tube and through which grid current flows in the absence of signals of a desired amplitude, means for preventing the rectifier anode from assuming a direct current potential which is negative with respect to the cathode of said transmission tube, and means for applying the direct current voltage output of said rectifier to the grid of said transmission tube in a sense such that the said normal negative grid bias is increased as the received signal amplitude increases.

2,135,600
DENTURE
Charles H. Prange, Lyndhurst, N. J., assignor to Austenal Laboratories, Inc., New York, N. Y., a corporation of New York
No Drawing. Application May 14, 1934, Serial No. 725,651
3 Claims. (Cl. 32—2)

1. As a new article of manufacture, a cast denture comprising an alloy having cobalt as the principal constituent and containing chromium from 10% up to 40% and tungsten over 5% and not exceeding 25%, said denture having the characteristic of slight shrinkage when solidifying.

2,135,601
APPARATUS FOR COATING ARTICLES
Roy R. Putt, Portage Lakes, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application November 2, 1935, Serial No. 47,992
3 Claims. (Cl. 91—46)

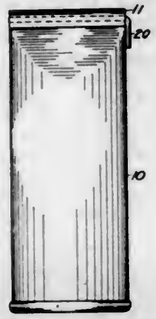


1. Apparatus for coating articles, said apparatus comprising an endless conveyor, means for supporting articles thereon, means supporting and driving the conveyor in a course that defines two quadrilateral figures disposed in adjacent parallel planes, the reaches of the conveyor crossing each other on one side of said figures, and means for concurrently coating the articles on two adjacent, parallel reaches of the conveyor.

2,135,602
CONTAINER CLOSING AND OPENING MEANS
David Rosen, New York, N. Y., assignor to Metallic Container Corporation, Jersey City, N. J., a corporation of New Jersey
Application August 16, 1937, Serial No. 159,314
3 Claims. (Cl. 229—66)

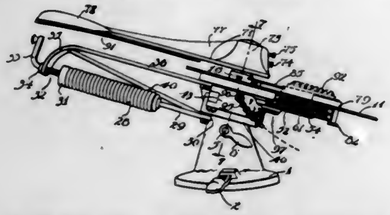
1. An article of the class described comprising a container formed of compressed fibrous material having its mouth end wall portions collapsed, a clamping member formed of flexible material fitted over said collapsed wall portions, a wing portion of said clamping member provided with an outwardly extending longitudinal corrugation, said collapsed wall portions having interlocked corrugated portions, one of said corrugated portions being interlocked with said wing portion, another wing portion of said clamping member being folded against an opposed side of said collapsed end wall portions, and having an interlocking key member pressed into a depressed corrugated portion of said collapsed end wall por-

tions and retained in interlocked relation by said folded wing portion united with and acting in con-



junction with said first named wing portion of said clamping member under stresses introduced therein.

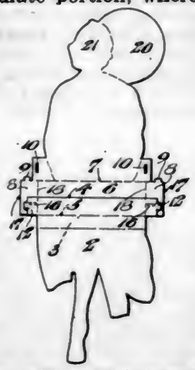
2,135,603
PIGEON TRAP
Arthur E. Roth, Prairie du Chien, Wis.
Application October 12, 1936, Serial No. 105,271
4 Claims. (Cl. 124—8)



1. A target trap having a target support table, a spring actuated throwing arm pivotally mounted to swing in a plane parallel to the top surface of said table, said throwing arm being of a length to remain in an engagement with a target after said target leaves the table during the throwing operation, the portion of the throwing arm thus remaining in engagement with said target being curved down in a curve substantially equal to the trajectory of the target when the table is positioned at a predetermined throwing angle, acute to a vertical line through the trap.

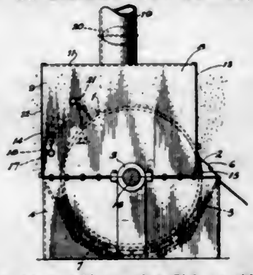
2,135,604
DISPLAY DEVICE
Eugene Schwartz, Philadelphia, Pa., assignor to Ketterlinus Lithographic Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 18, 1937, Serial No. 169,575
1 Claim. (Cl. 248—152)

A display device comprising an upper portion representing the trunk of a human body, a lower portion representing the limbs of such body, and an intermediate portion representing the lap of such body, when the latter is in a sitting position, said intermediate portion being hinged along its rear edge to the lower edge of said upper portion and being hinged along its front edge to said lower portion along a line below the upper edge of said lower portion, whereby a front wall is formed extending above the horizontal plane of said intermediate portion, extensions hinged on the opposite ends of said intermediate portion and forming end walls therefor, and means for locking said end walls to said upper portion and said front wall, in a plane vertical to the plane of said intermediate portion, whereby an open top



box is formed with said intermediate portion as its bottom.

2,135,605
SEPARATION OF SODIUM CARBONATE
John Stuart Stevenson, Buffalo, N. Y., assignor to National Aniline and Chemical Company, Inc., New York, N. Y., a corporation of New York
Application November 10, 1930, Serial No. 494,762
Renewed January 6, 1936
23 Claims. (Cl. 23—63)

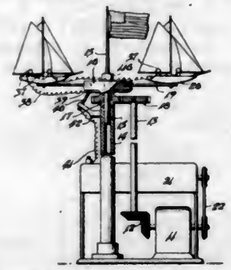


9. In the separation of solid particles or crystals of sodium carbonate from a mixture thereof with an aqueous solution containing sodium carbonate and caustic alkali, the latter being present in an amount substantially in excess of that resulting from hydrolysis of the sodium carbonate, the improvement which comprises maintaining said mixture at a temperature not less than the lowest temperature at which sodium carbonate is capable of existing in the form of a solid containing not more than one molecule of water per molecule of sodium carbonate in stable equilibrium with a solution having the composition of said solution, and filtering off said solid sodium carbonate while maintaining the mixture at a temperature not less than said lowest temperature.

2,135,606
MECHANICAL WHIRLWIND TOY
Henry Stuve, Brooklyn, N. Y.
Application September 22, 1936, Serial No. 101,898
3 Claims. (Cl. 272—31)

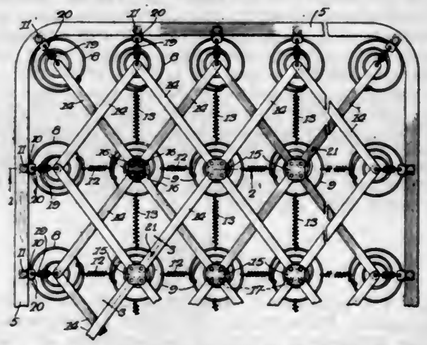
1. A device of the kind described, comprising in combination: a driving mechanism at a lower plane; a vertical rotatable shaft driven by the said mechanism; a stationary vertical post at the side of the shaft; a horizontally rotatable block held on top of the post; a gearing transmitting the rotation of the shaft to the said block; arms extending radially from the block; horizontal

wheelrim-like segments at the ends of the arms; teeth at the outer periphery of the segments and border-ledges at the two ends of each segment-toothing; another horizontal disk-like block rotatably fixed on top of the first said rotatable block; arms extending radially from the second



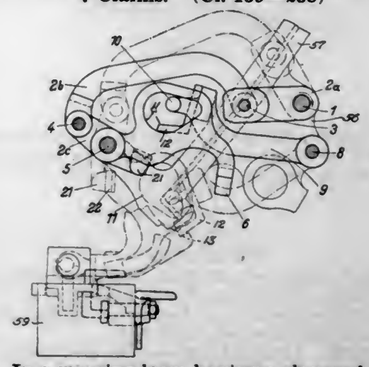
said upper block; small toys such as sailing vessels or toy airplanes fixed at the ends of the last said arms, so as to be turnable round vertical axes of these toys; and pinions fixed at the lower ends of the toy-axes, the said pinions meshing with the teeth of the before said segments.

2,135,607
BEDSPRING
Don Carlos Travis, Kenosha, Wis., assignor to Simmons Company, New York, N. Y., a corporation of Delaware
Application June 13, 1935, Serial No. 26,331
7 Claims. (Cl. 5—230)



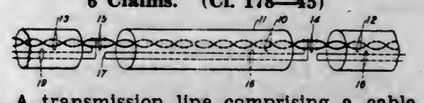
1. In a bed spring, the combination of a border frame, a plurality of axially vertical coil springs arranged and supported in transversely extending rows within said border frame, a generally flat, lattice-like top construction which is adapted to overlie the top coils of said coil springs and which is movable within reasonable limits independently of at least the greater portion of said coil springs, and means resiliently connecting said top construction to said border frame, said top construction comprising a plurality of relatively short, flexible straps arranged in rows which extend generally diagonally to said rows of vertical coil springs, the straps in each row being disposed in longitudinal alignment and said rows intersecting each other adjacent the ends of adjacent straps in each row, the adjacent strap ends at each of a plurality of said intersections being disposed in laterally spaced relation to each other, and a plurality of plate members each of which is located at one of said intersections and has portions overlapping and pivoted to each of said adjacent strap ends at that intersection.

2,135,608
SHUTTLE-CHANGING DEVICE FOR LOOMS
Carl Valentin, Stuttgart, and Erwin Haller, Schwenningen-on-the-Neckar, Germany
Application February 11, 1937, Serial No. 125,184
In Germany February 19, 1936
7 Claims. (Cl. 139—238)



1. In a weaving loom having a slay and a shuttle box on said slay, the combination of a device for changing the shuttle in said shuttle box, said device containing movable shuttle feeding means and a drive mechanism, a coupling arranged between said drive mechanism and said feeding means, controlling means associated with said coupling for actuating said coupling in order to effect a shuttle change, connections between said drive mechanism and said slay to cause said feeding means to move into shuttle-changing position during the backward movement of said slay, and a locking device for locking said feeding means in said shuttle-changing position, said locking device being operatively connected with said shuttle-changing device.

2,135,609
LOADED TRANSMISSION LINE
Earl Kenneth Van Tassel, Great Kills, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 27, 1936, Serial No. 98,171
6 Claims. (Cl. 178—45)

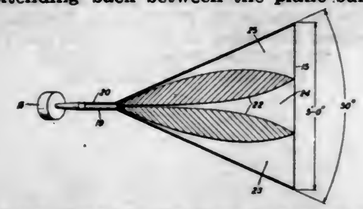


1. A transmission line comprising a cable, a sheathing therefor, and shunt resistances within the sheathing for loading said line, said resistances comprising wires which extend substantially the entire length of the cable between points of connection to the line.

2,135,610
HORN
Edward C. Wente, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 13, 1936, Serial No. 110,646
2 Claims. (Cl. 181—27)

1. A horn for loud-speaking receivers bounded on all sides throughout its length by plane surfaces diverging from a throat portion, which is small compared to the wave-lengths of the frequencies to be projected, to a mouth which is large compared to said wave-lengths, said mouth having contoured partition walls dividing it into

a plurality of sound passages each decreasing in cross-section exponentially throughout its length and extending back between the plane surfaces



toward the throat of the horn to a point where the width of each passage is small as compared to said wave-lengths.

2,135,611
SPINNERET
Reginald V. Williams, Buffalo, N. Y., and Edward R. McKee, Hermitage, Tenn., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. **Original application December 20, 1933, Serial No. 703,244. Divided and this application July 21, 1937, Serial No. 154,931**
2 Claims. (Cl. 18—8)

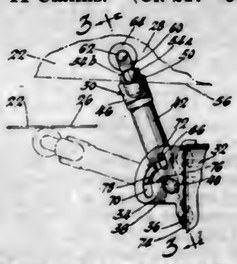
1. A spinneret for the production of rayon from viscose, comprising at least 90% platinum and at least 1% rhodium.

2,135,612
HAIR CURLER
Abbie G. Bowyer, Los Angeles, Calif., assignor of one-fourth to Samuel E. Fouts, Los Angeles, Calif.
Application March 30, 1938, Serial No. 198,852
11 Claims. (Cl. 132—33)



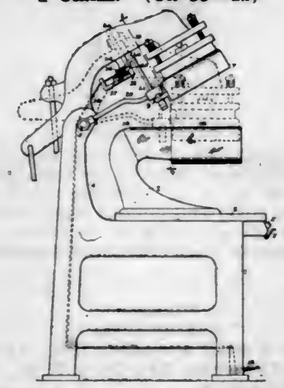
1. A hair curler having a core or mandrel upon which the hair forming a tress is adapted to be wound, said core comprising a cylindrical brush, and means for preventing the tress from unwinding.

2,135,613
HOOD REST FOR AUTOMOBILES
Stephen De Orlow, Detroit, Mich.
Application September 30, 1936, Serial No. 103,263
11 Claims. (Cl. 217—60)



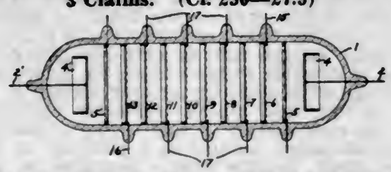
1. In a hood rest for the hoods of automotive vehicles, a bracket secured to the vehicle adjacent the hood, a lever pivoted to the bracket, a spring mounted between the bracket and lever and constantly urging the lever to raised position, a shelf on the lever adapted to receive the hood edge to retain the hood in raised position, and a roller on the lever, said roller adapted to contact with the hood when the hood is in lowered position to prevent rattle of the parts.

2,135,614
SHIRT GUSSET PRESSING MACHINE
John Faber, Jr., Haledon, N. J., assignor to The Prosperity Company, Inc., Syracuse, N. Y., a corporation of New York
Application May 19, 1937, Serial No. 143,432
1 Claim. (Cl. 38—12)



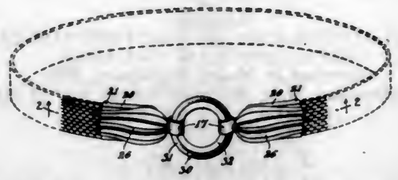
The combination, with a machine for the purpose described having a pair of bucks on which to lay the respective garment parts to be treated, of members confined by the machine to move respectively in definite paths toward and normally urged into coactive clamping relation with the respective bucks, a pair of latches arranged on the machine and opposing movement of the respective members into coactive clamping relation with the bucks and retractable to release said members, a lever connecting and movable to retract the latches, and means to effect such movement of the lever connected therewith nearer to one latch than the other.

2,135,615
MULTIPACTOR
Philo T. Farnsworth, San Francisco, Calif., assignor to Farnsworth Television Incorporated, San Francisco, Calif., a corporation of California
Application February 11, 1936, Serial No. 63,424
3 Claims. (Cl. 250—27.5)



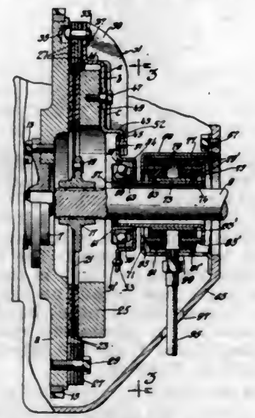
1. A current amplifier comprising an evacuated envelope, a primary cathode within said envelope, a series of secondary cathodes each comprising a woven screen having a surface capable of emitting secondary electrons at a ratio to impacting primary electrons greater than unity, an electrostatic shield screen positioned between said primary cathode and said secondary cathodes, and means for collecting the electrons emitted from the last secondary cathode of said series, said shield screen having a mesh larger than the mesh of said cathodes.

2,135,616
CONNECTER FOR ADJUSTABLE APPAREL BELT CHAIN ENDS
Walter Forstner, Irvington, N. J.
Application October 15, 1934, Serial No. 748,301
Renewed May 28, 1936
1 Claim. (Cl. 24—265)



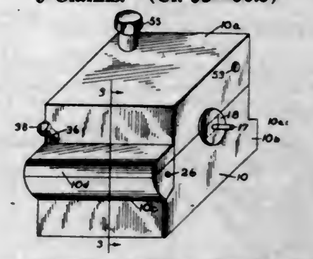
A belt connecter comprising a sheet metal member having a generally rectangular flat base forming a front and generally rectangular sides at right angles to said base and extending rearwardly, a generally rectangular lock plate pivoted at one end between said sides near the upper edges of said sides away from said base, said sides being flexible to grip the edges of said lock plate in closed position, said lock plate having a bent cam portion at the pivot end engageable with a belt end, and having a bent up portion at the other end extending towards the base and then reversing to form a finger grip, said cam portion and said bent up portion being of a height to keep said locking plate in spaced parallel relation to said base when said finger grip is in contact with said base, whereby said lock plate when positioned between said sides forms a rectangular casing with said member, said member having a hook at the end opposite the lock plate pivot.

2,135,617
HYDRAULIC CLUTCH THROW-OUT
Harvey D. Geyer, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 18, 1936, Serial No. 91,261
6 Claims. (Cl. 60—54.6)



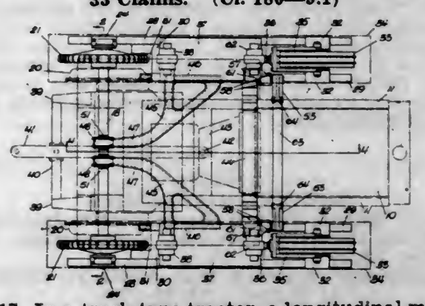
1. For use with a clutch having a movable releasing member, a hydraulic motor comprising an outer ring, an inner ring, axially spaced intermediate rings, deformable rings sealed to said rings to constitute an expansible chamber, anchor means for one of said intermediate rings, connecting means between the other intermediate ring and the releasing member.

2,135,618
DAYLIGHT LOADING DEVICE FOR DEVELOPER TANKS
Paul Hagen, deceased, late of Brooklyn, N. Y., by Margaret Hagen, Brooklyn, N. Y., administratrix
Application April 3, 1937, Serial No. 134,806
9 Claims. (Cl. 95—90.5)



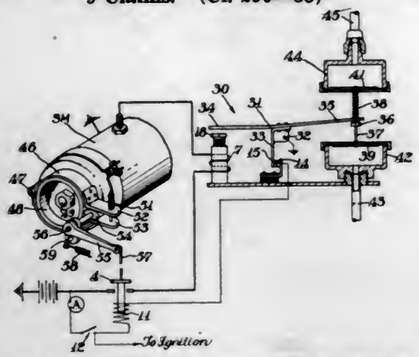
1. In combination with a developer tank for strips of film having a light proof body housing a film carrier, a light proof holding box on said body and extending the length of said carrier and adapted to be opened, a shuttle for supporting a cartridge of film and movably mounted in said box to move along the length of said carrier, a catch for holding the outer end of said film on said carrier, and means for operating said shuttle to move along said carrier and lay said film on said carrier.

2,135,619
STABILIZER FOR TRACK TYPE TRACTORS
Edward A. Johnston, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application November 23, 1936, Serial No. 112,255
33 Claims. (Cl. 180—9.1)



17. In a track type tractor, a longitudinal main frame having final drive mechanism at each side of said main frame and rotatable about an axis, a track frame at each side of the main frame, the combination with each track frame of means for connecting same for pivotal movement at two spaced points about said axis comprising a bifurcated structure, one of said furcations extending rearwardly and inwardly with respect to the longitudinal axis of the track frame to provide wide spacing between said furcations to accommodate the final drive mechanism therebetween, said inwardly extending furcation having associated with it means providing also for fore and aft sliding movement relative to the axis about which it is pivotally connected, means supporting the load of the forward portion of the main frame equally on the forward portions of the track frames, and stabilizer connections respectively between the main frame and track frames adjacent said forward load support means to prevent lateral deflection of the forward ends of the track frames.

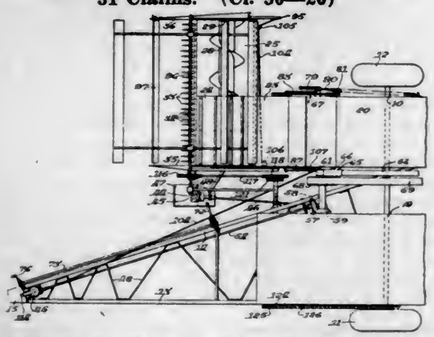
2,135,620
AUTOMATIC STARTING MECHANISM
Leslie K. Loehr and Wayne E. Burdick, Los Angeles, Calif., assignors to The Startomatic Corporation, Los Angeles, Calif., a corporation of Nevada
Application May 28, 1932, Serial No. 614,220
9 Claims. (Cl. 290—38)



1. In an automatic starting mechanism for internal combustion engines, a starting circuit including an electro-magnetic starting switch, a control circuit for said starting switch including contacts for opening or closing said control circuit, means energized by cranking current for causing said contacts to maintain the control circuit closed, and fluid-pressure operated means responsive to rotation of the engine for overcoming said maintaining means and causing said contacts to open said control circuit when the engine starts and to maintain said circuit open as long as the engine is self-operative.

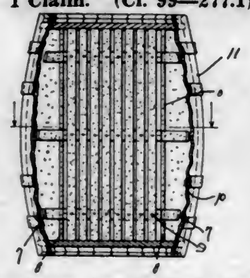
7. In an automatic engine starting system, a starting circuit including a starting motor and a magnetic starting switch, means for closing said switch in case of engine stall, and for opening said switch when the engine starts, and means controlled by said switch for opposing spinning of the starting motor.

2,135,621
HARVESTER-THRESHER
Lee P. Millard, Moline, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application August 6, 1936, Serial No. 94,607
31 Claims. (Cl. 56—20)



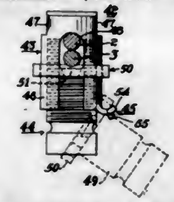
1. In a harvester thresher, a transverse axle supported at its ends by wheels, a hitch frame for drawing the harvester thresher arranged longitudinally and disposed at the stubbleward end of the axle, an operator's deck carried on the hitch frame over the axle, a thresher part disposed over and carried by the axle and extending longitudinally at the grainward end of the axle adjacent the said deck, and a harvester part suspended from the forward end of the thresher part and disposed grainwardly of the hitch frame.

2,135,622
AGING DEVICE FOR THE CONTENTS OF BARRELS, CASKS, OR THE LIKE
Clarence D. Nagle, Baltimore, Md.
Application May 20, 1935, Serial No. 22,310
1 Claim. (Cl. 99—277.1)



An aging device for distilled alcoholic spirits consisting of an open substantially rectangular cage-like structure formed of a series of relatively flat transversely interlocking charred panels, each panel being a separate unit and comprising a series of spaced strip-like members, providing an equally free circulation through and around all parts of said device.

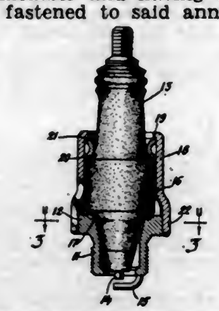
2,135,623
SOLDERLESS CONNECTER
Charles L. Peirce, Jr., Pittsburgh, Pa., assignor of one-half to Hubbard and Company, a corporation of Pennsylvania
Application April 4, 1933, Serial No. 664,341
7 Claims. (Cl. 173—263)



1. A solderless connecter comprising an internally threaded bifurcated member adapted to receive conductors to be joined, a bolt adapted to be threaded into said member, a contact block having a swivel connection with the end of the bolt adapted to move between the legs of the bifurcated member as the bolt is threaded into or out of the same, and means on the bifurcated member for holding the contact block, bolt and bifurcated member in assembled relation when the bolt is disengaged from the internal threads of said bifurcated member.

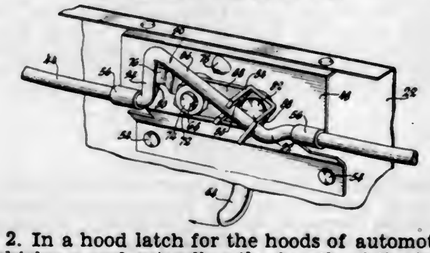
2,135,624
SPARK PLUG
Hector Rabezzana, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 1, 1937, Serial No. 145,662
5 Claims. (Cl. 123—169)

1. In a spark plug, an annular base having an inner externally threaded part, and an annular flange at its outer end; an insulating member supported by said base and extending into said threaded part, and having an annular shoulder; an annular holding member surrounding said insulating member and having depending lugs which are fastened to said annular flange, to



thereby hold said insulating member permanently assembled with said base; an annular metallic and resilient member arranged between said holding member and said shoulder; a central electrode extending through a passage in said insulating member; and a grounded electrode at the inner extremity of said threaded portion.

2,135,625
HOOD LATCH
Lloyd R. Rhein, Pleasant Ridge, and Floyd A. Cooley, Detroit, Mich., assignors to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application February 20, 1937, Serial No. 126,774
4 Claims. (Cl. 292—215)

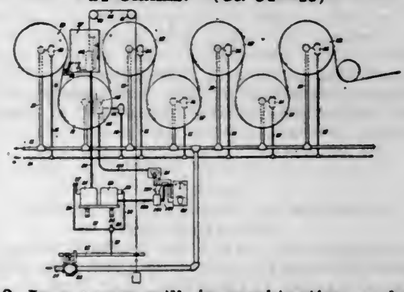


2. In a hood latch for the hoods of automotive vehicles, a rod extending the length of the hood and being journaled intermediate its length to the vehicle and having its ends adapted to engage with keepers on the hood, said rod having a crank intermediate its ends and immediately adjacent two of the journals of the rod, said crank comprising throws bent at an angle to the rod, said throws being in different planes, a bearing part interconnecting said throws, and means journaled to the vehicle and connected with the throw to operate the throw to cause the movement of the rod to cause the rod to engage or disengage its ends with the keepers.

2,135,626
ABRASIVE ARTICLE AND METHOD OF MANUFACTURING THE SAME
Norman P. Robie, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Application February 2, 1937, Serial No. 123,728
4 Claims. (Cl. 51—278)

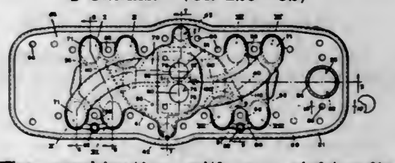
1. In a method of making abrasive articles, the steps which comprise preparing a suspension of abrasive particles in a solution of a polyvinyl ester in an alcohol and adding a catalyst to cause reaction between the alcohol and the ester, whereby there is formed a solid mass of polyvinyl alcohol containing abrasive particles suspended therein and distributed uniformly therethrough.

2,135,627
TEMPERATURE CONTROL FOR PAPER MILLS AND THE LIKE
Hazor J. Smith, Longmeadow, Mass., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 24, 1935, Serial No. 28,056
14 Claims. (Cl. 34—48)



12. In a paper mill, in combination, a drying roll adapted to receive a sheet of paper to be dried, a source of steam supply therefor, a control valve for said steam supply, a pair of motor-control units adapted to independently control said valve, means automatically operating one of said units in response to variations in the moisture content of said sheet, and a second control means actuating the other of said units.

2,135,628
MANIFOLD
Harry F. Smith, Toledo, Ohio, assignor to The Acklin Stamping Company, Toledo, Ohio, a corporation of Ohio
Application October 17, 1935, Serial No. 45,375
4 Claims. (Cl. 123—52)



1. The combination with an eight-cylinder V-type engine having four cylinders in each block of a manifold disposed between the blocks and having two main ducts extending longitudinally of the blocks, said main ducts being arranged side by side whereby one is adjacent one block while the other is adjacent the other block, said manifold also having passages arranged to conduct fuel from each main duct to the center cylinders of the block to which it is adjacent and to the end cylinders of the other block, the floors of said main ducts being inclined downwardly away from the tops of said main ducts and in a direction toward the front of the manifold to compensate for the angle at which the engine is positioned with reference to the horizontal, and carburetor throats communicating with said main ducts for supplying fuel to the same, said carburetor throats being located slightly to the rear of the mid-points of said main ducts.

2,135,629
METHOD FOR MAKING FRUIT PRODUCTS
William A. Smith, Lyndonville, N. Y.
Application June 23, 1937, Serial No. 149,933
6 Claims. (Cl. 99—101)

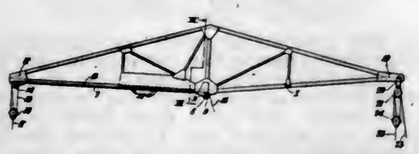


1. The method of making a cooked fruit product comprising subjecting the fruit to a preliminary heating by contact with steam, removing a portion of the condensed steam prior to release of the fruit juices, and subsequently continuing and completing the heating and cooking of the fruit to produce a cooked product of suitable moisture content.

2,135,630
METHOD OF PRODUCING FERRO-MOLYBDENUM
John D. Sullivan and Dimitry Niconoff, Columbus, Ohio, assignors, by mesne assignments, to Kennecott Copper Corporation, New York, N. Y., a corporation of New York
No Drawing. Application October 15, 1937, Serial No. 169,234
12 Claims. (Cl. 75—21)

1. The method of making ferromolybdenum from copper-bearing molybdenum-containing material which comprises smelting a charge containing a copper-bearing molybdenum product, a slag-forming flux, a reducing agent, and iron, such charge being further characterized by containing sulphur in selected amount and with the components so proportioned and in such form as to yield slag, matte, and metal consisting primarily of ferromolybdenum, and separating the metal from the slag and matte.

2,135,631
PORTABLE APPARATUS FOR TRANSFERRING LOADS
Ernest G. Amesbury, Pittsburgh, Pa.
Application December 21, 1936, Serial No. 117,060
1 Claim. (Cl. 212—8)



A portable apparatus for transferring loads comprising a walking-beam, a load fall rigging carried by said walking-beam adjacent one of its ends, a hold-down fall rigging carried by said walking-beam adjacent the other of its ends, a mounting for supporting said walking-beam intermediate its ends, and a mounting between said first-named mounting and one of the ends of said walking-beam, said second-named mounting being adjustable longitudinally of said walking beam, each of said mountings being constructed and arranged to support said walking-beam for free pivotal movement.

2,135,632
TOBACCO PIPE, CIGARETTE TUBE, AND THE LIKE
Walter William Barling, Camden Town, London, England, assignor to B. Barling & Sons, Camden Town, London, England
Application July 28, 1937, Serial No. 156,242
In Great Britain October 24, 1936
5 Claims. (Cl. 131—229)

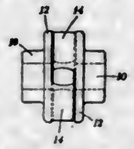


2. A mouthpiece for tobacco pipes, cigarette tubes and the like which over a considerable portion of its length is formed substantially flat on the top and bottom surfaces at least one projection being provided at the end and raised from the general plane of said mouthpiece on both said top and bottom surfaces, the width of the projections being substantially less than the width of the mouthpiece and extending only for a short distance on either side of the centre line of the said surfaces in lieu of the normally provided lip.

2,135,633
DYEING PROCESS
Berthold Bienert, Leverkusen-I. G. Werk, and Karl Holzach, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application May 2, 1936, Serial No. 77,628. In Germany May 9, 1935
7 Claims. (Cl. 8—1)

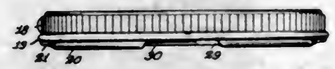
1. The process of dyeing cellulosic materials which comprises directly applying to such materials unreduced sulfonic acids of phthalocyanines selected from the group consisting of phthalocyanines of the benzene and naphthalene series.

2,135,634
SHAFT COUPLING
John Knights Byrom, Didsbury, Manchester, England, assignor to The Renold and Coventry Chain Company Limited, Didsbury, Manchester, England, a British company
Application January 19, 1938, Serial No. 185,777
In Great Britain February 12, 1937
4 Claims. (Cl. 64—14)



1. A shaft coupling comprising in combination two flanges each formed with a plurality of projections on its face circumferentially spaced and adapted to receive in the spaces between them the projections on the other flange when the two flanges are juxtaposed, said spaces being circumferentially wider than said projections and the edges of said projections being straight in the direction across the face of the flange and concave in the direction parallel to the axis of the coupling, and a rubber buffer interposed between said two flanges, said buffer comprising a hub portion and a plurality of radial arms integral therewith which are interposed between the edges of the projections on the two flanges.

2,135,635
LUG CAP
Edward M. Enkur, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application May 5, 1934, Serial No. 724,152
3 Claims. (Cl. 215—44)



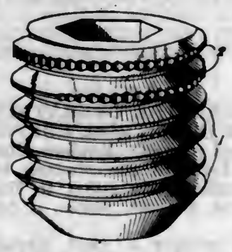
1. A cap having a top and a substantially straight downwardly depending skirt, a relatively narrow outwardly projecting circumferential ridge of substantially less area than the skirt body and formed in the skirt body adjacent the free edge thereof, the free edge of the skirt being rolled into a bead, and container engaging lugs pressed in said bead.

2,135,636
APPARATUS FOR DEHYDRATING GREEN FORAGE CROPS
Joseph H. Fulmer, Nazareth, Pa.
Application November 2, 1936, Serial No. 108,892
4 Claims. (Cl. 34—12)



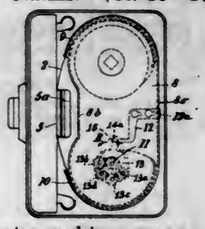
2. An apparatus for curing green forage crops, comprising an elongated body portion, a horizontal partition dividing the body portion into a lower heat chamber and an upper curing chamber, an endless conveyor constructed of foraminous material, operating throughout the length of the curing chamber and on which material is carried through the body portion, one end of the partition terminating short of the end of the body portion providing communication between the chambers at one end only of the body portion, means for forcing hot air through the heat chamber and through the material on the conveyor, and means for drawing hot air through the curing chamber in a direction opposite to the direction of movement of the conveyor.

2,135,637
SETSCREW
Harald F. Gade, Philadelphia, Pa., assignor to Standard Pressed Steel Co., Jenkintown, Pa., a corporation of Pennsylvania
Application April 26, 1935, Serial No. 18,487
8 Claims. (Cl. 151—22)



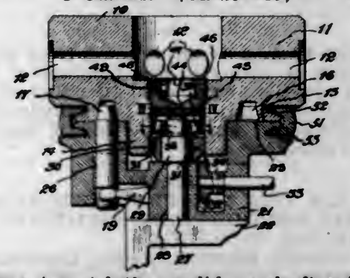
1. As a new article of manufacture, a screw-threaded element having at least a portion of its thread upset at the crest by knurling, said upset being confined to a small part only of the total depth of the thread.

2,135,638
CINEMATOGRAPHIC APPARATUS
Leo Goldhammer, Munich, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
Application March 17, 1934, Serial No. 716,162
In Germany March 21, 1933
3 Claims. (Cl. 88—17)



1. A cinematographic camera for use selectively with spools and magazines comprising a casing, a film gate, a film supply shaft and a film take-up shaft, means in said casing for changing the direction of rotation of said take-up shaft, a manually operable member for actuating said changing means and a stop on said member engageable by a magazine upon insertion in the casing for moving said member in one direction whereby said take-up shaft will rotate in a direction normal to a magazine.

2,135,639
TURRET CENTERING AND LOCKING MECHANISM
William R. Gorham, Shibuya-ku, Tokyo, Japan
Application October 4, 1937, Serial No. 167,299
5 Claims. (Cl. 29—49)

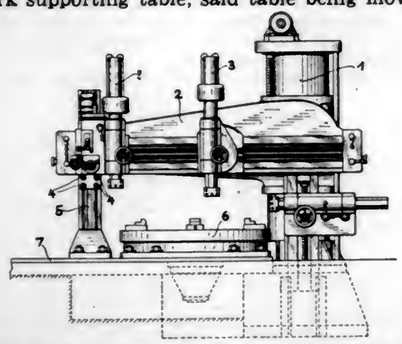


1. In a turret lathe, a slide, a shaft extending upwardly from said slide, a bearing carried by said shaft, said bearing having anti-friction members arranged angularly with respect to said shaft, a split tapered ring resting on said members, an inverted cup-shaped yieldable diaphragm having the edge thereof resting on said split ring, a turret having a central opening therein, said diaphragm engaging said turret to support the weight thereof on said bearing, means for bodily moving said turret towards said slide, whereby said diaphragm yieldably expands said split ring into firm engagement with said turret and said anti-friction members.

2,135,640
LATHE WITH HORIZONTAL FACEPLATE
Anton Holtmeier, Dusseldorf-Hilden, Germany
Application October 26, 1937, Serial No. 171,140
In Germany September 5, 1936
2 Claims. (Cl. 29—29)

1. A horizontal face plate lathe, comprising a bed, a column rigidly attached to said bed, a traverse supported at one end by said column, an auxiliary column normally supporting the other end of said traverse, said auxiliary column being

removably attached to said bed, and a rotary work supporting table, said table being movably



attached to said bed for movement towards and away from said first column beneath said traverse.

2,135,641

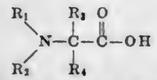
ESTERS OF C-DIALKYLGLYCINES

Ralph Albert Jacobson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 5, 1936, Serial No. 94,467

11 Claims. (Cl. 260—482)

1. Process of preparing esters which comprises reacting an alcohol of at least four carbon atoms with a member of the class consisting of acids of the formula



(wherein R^1 and R^2 are selected from the class consisting of hydrogen and monovalent hydrocarbon radicals and R^3 and R^4 are monovalent hydrocarbon radicals), nitriles, anhydrides, and halides thereof, and esters thereof with more volatile alcohols.

2,135,642

PROCESS FOR THE PRODUCTION OF DURABLE POLYSULPHIDE SOLUTIONS SUITABLE FOR INJECTION

Volkmar Klopfer, Dresden, Germany

No Drawing. Application May 7, 1936, Serial No. 78,516. In Germany March 6, 1933

2 Claims. (Cl. 167—72)

1. The process of preparing a solution of a polysulphide for injection purposes, the solution having a pH of 7.8 to 8 so that upon contact with the blood colloidal sulphur is formed, said process comprising heating an aqueous solution of a polysulphide and grape sugar in ampules at a temperature of about 100° C. and for a period of time sufficient to reduce the pH of the original mixture to the above stated value.

2,135,643

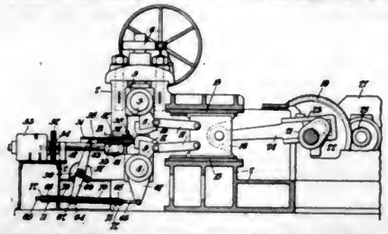
DISK ROLLING APPARATUS

Axel B. Pearson, Munhall, Pa.

Application April 23, 1936, Serial No. 76,027

2 Claims. (Cl. 80—16)

1. In an apparatus for radially rolling and tapering a disk-shaped metallic work-piece, a pair of coacting oscillatory rolling cams, the working surfaces of said coacting oscillatory rolling cams being constructed and arranged for rolling contact with the work-piece in both directions and for oscillation in a direction which is opposite the direction of reduction during each of the rolling operations, a movable work-piece carriage, means for moving said work-piece carriage toward said coacting oscillatory rolling cams prior to each of the rolling strokes, and means for moving said work-piece carriage away from said coacting oscillatory rolling cams after



each of the rolling strokes, said work-piece carriage being freely movable during each of the rolling operations with said coacting oscillatory rolling cams and opposite the direction of reduction thereof.

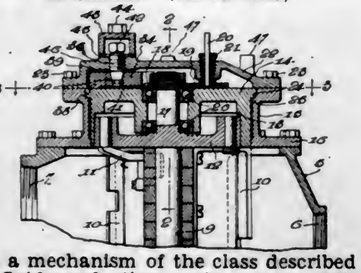
2,135,644

ROTARY METER

Armas J. Saarinen, San Francisco, Calif., assignor to Granberg Meter Corporation, San Francisco, Calif., a corporation of California

Application May 25, 1937, Serial No. 144,740

12 Claims. (Cl. 73—253)



1. In a mechanism of the class described having a fluid-conducting casing, vanes rotatable about a common axis in said casing, a rotary disk eccentric to said axis, means connecting said vanes with said disk, and a rotatively adjustable head mounted in said casing and carrying said disk for varying the eccentricity of said disk with respect to the vane axis, said casing and head being provided with abutting portions for holding said head against inward movement; a pressure member contacting with the outer side of said head, and a clamping screw threaded through a portion of said casing, said clamping screw extending unidirectionally with the axis of said head and engaging said pressure member, whereby tightening of said screw will cause said pressure member to inwardly press said head, thereby holding said abutting portions of said head and casing in such tight frictional contact as to prevent accidental rotation of said head.

2,135,645

FURNACE AND THE OPERATION THEREOF FOR INDUSTRIAL PURPOSES

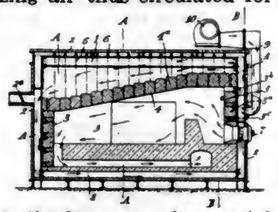
Henry Wilmot Spencer, Roehampton Lane, London, and Leonard Sherrington Davis, Bexley Heath, England, assignors to Bigelow-Liptak Corporation, Detroit, Mich., a corporation of Michigan

Application October 8, 1935, Serial No. 44,097

In Great Britain October 9, 1934

5 Claims. (Cl. 263—52)

1. The method of controlling the temperature conditions or working of an industrial furnace of the kind described, which consists in mechanically circulating a variable quantity of air between a suspended refractory arch of the furnace treatment chamber and an enclosing insulating housing, utilizing air thus circulated for combustion



purposes in the furnace and separately controlling the quantity of air circulated and the quantity of heated air admitted to the furnace for combustion purposes.

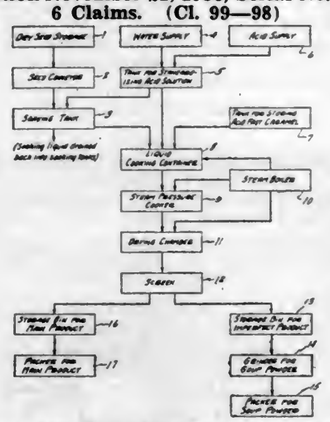
2,135,646

PROCESS FOR PRECOOKING FOOD PRODUCTS

Charles H. Stocking, Ann Arbor, Mich.

Application November 21, 1936, Serial No. 112,121

6 Claims. (Cl. 99—98)



1. A process for precooking leguminous food products which consists in soaking the products in a weak aqueous solution of acetic acid until the product becomes substantially saturated with the acid solution, removing the products from the solution, and parboiling the products in water to which has been added weak acetic acid and an acid-fast caramel solution.

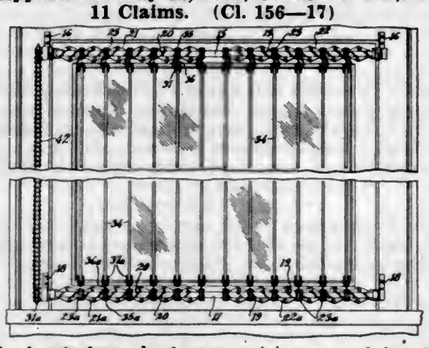
2,135,647

WINDOW SHADE

Waldo M. Streby, North Canton, Ohio

Application May 12, 1938, Serial No. 207,522

11 Claims. (Cl. 156—17)



1. A window shade comprising a rod located at one side of a window opening, a series of lazy tong levers located parallel to said rod, brackets connected at spaced intervals upon said lazy tong levers and slidably mounted upon said rod, slats connected at their ends to said brackets, and means for operating said lazy tong levers to slidably move the brackets upon the rod.

2,135,648

PRACTICE GOLF CLUB

Lewis T. Stumpf, Cleveland, Ohio

Application August 6, 1937, Serial No. 157,783

14 Claims. (Cl. 273—35)



1. In a device of the class described, the combination with a swingable shaft, of an adjustable member mounted thereon shiftable to various positions along said shaft, a signal member normally held in position by coaction with said adjustable member, and means to normally hold said adjustable member at the different positions requiring a difference of force to displace the signal member from the adjustable member, said signal member being adapted to be released from said holding relation under the influence of centrifugal force produced by a predetermined rate of movement of the shaft during the course of its swing.

2,135,649

SCORING APPARATUS

Harold Thorne, London, England

Application March 31, 1937, Serial No. 134,158

In Great Britain May 22, 1936

3 Claims. (Cl. 235—71)



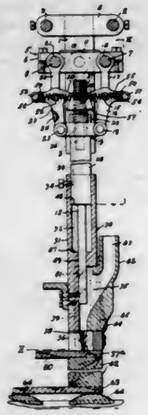
1. Apparatus of the class described having a casing provided with a stylus-receiving slot, a band having a twist of 180°, a plurality of stylus-engaging means adjacent opposite edges of the band and disposed in laterally spaced rows extending longitudinally of the band, and means mounting the band for movement within the casing, said slot being offset with respect to the longitudinal center line of the band so as to be disposed in the path of travel of a single row of stylus-engaging means, there being a row of indicia on each face of the band along the center line thereof and an individual indicium registering aperture in the casing for the said indicia, the construction causing the stylus-engaging means of both rows and on both faces of the band through travel of the band to successively register with the same slot.

2,135,650

ADJUSTABLE COMPENSATOR FOR NAIL DRIVING MECHANISM

Herbert E. Twomley, Riverside, Calif., assignor, by mesne assignments, to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware

Application August 25, 1936, Serial No. 97,788
9 Claims. (Cl. 1—10)



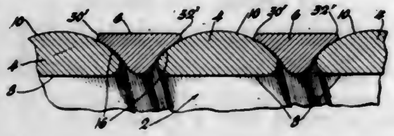
1. In a nail driving mechanism, a nail driving head movable through a predetermined distance relative to a workpiece upon each of its operations, a nail driver, means coupling said nail driver to said driving head for movement therewith including toggle links yieldable upon the exertion of a predetermined resistance to movement of said nail driver, and means for adjusting the relative angle of said toggle links to vary the resistance required to cause them to yield.

2,135,651

METHOD OF MAKING FLEXIBLE TUBING

Hartwell W. Webb, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application September 11, 1936, Serial No. 100,296
2 Claims. (Cl. 113—35)



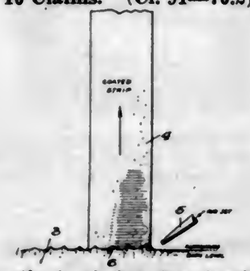
1. The method of making flexible tubing consisting of spirally intertwining a relatively flat element having an arcuate surface and a substantially triangular element having arcuate dished sides and an arcuate dished top, the intertwining of said elements into tubular form causing the two arcuate sides of the triangular member to contact with the adjacent arcuate sides of the relatively flat member and flattening or rolling down of the edges of the outer or top arcuate side of the triangular member to cause a firmer contact between the two spirals and to give a permanent set to the elements of the tubing and to prevent unraveling.

2,135,652

PROCESS FOR METAL COATING

Marshall G. Whitfield and Victor Sheshunoff, Knoxville, Tenn., assignors to Reynolds Metals Company, New York, N. Y., a corporation of Delaware

Application May 26, 1937, Serial No. 144,950
10 Claims. (Cl. 91—70.2)



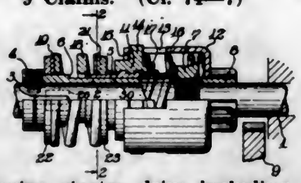
1. The method of forming laminated metal which includes the steps of passing a base metal through a bath of molten coating metal and maintaining at the surface of the bath a series of transverse ripples which agitate the surface of the bath along the entire width of the face of the emerging metal.

2,135,653

STARTER DRIVE FOR INTERNAL COMBUSTION ENGINES

Youston Sekella, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a corporation of New York

Application July 31, 1935, Serial No. 34,044
9 Claims. (Cl. 74—7)



1. An engine starter drive including a drive shaft, a screw shaft freely journalled thereon, a fixed abutment and a yielding abutment on the drive shaft locating the screw shaft thereon, a nut threaded on the screw shaft and confined thereon by said abutments, an engine driving member, and means for actuating the same from said nut, said yielding abutment including means for providing a lost motion rotary connection between the drive shaft and screw shaft, and being assembled under pressure for frictionally damping said lost motion.

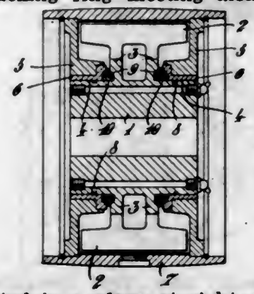
2,135,654

PACKING DEVICE FOR ROTARY ELEMENTS

Ernst Malcus Ågren, Stockholm, Sweden, assignor to Pulvis Aktiengesellschaft, Glarus, Switzerland, a corporation of Switzerland

Application August 22, 1936, Serial No. 97,327
In Sweden September 5, 1935
2 Claims. (Cl. 308—36.2)

1. In a coupling of the type described having a finely divided material as a power transmission medium, an inner member, cylindrical bearing surfaces thereon, an outer member rotatably mounted on said cylindrical bearing surfaces and surrounding the inner member, conical contact surfaces on said members, packings between said inner and outer members, each of said packings comprising a split resilient ring mounted on the respective bearing surface and said packings comprising a split resilient ring, said packing ring having on its outer side two conical operative surfaces engaging the conical contact surfaces of said members, the surfaces of the packing ring meeting along a circular



line situated in a plane at right angles to the axis of rotation of said members, the resilient ring being arranged as a thrust bearing for maintaining the members in a proper axial position with relation to each other so as to prevent the occurrence of an increase of pressure with resulting increase of friction between the packing rings and said members.

2,135,655

CORSET OR GIRDLE AND COMBINATION

Elsa Bertrams, Chicago, Ill., assignor to Kabo Corset Co., Chicago, Ill., a corporation of Illinois

Application July 3, 1936, Serial No. 88,753
3 Claims. (Cl. 2—37)



1. A corset having a back, a front, and duplex side members, each side member extending substantially the full length of the corset and comprising inner and outer sections, the one section being superposed upon the other, the two sections each consisting of an inelastic strip and an elastic strip each extending approximately the full length of the section, and the inelastic strip of each section being disposed against the elastic strip of the other section.

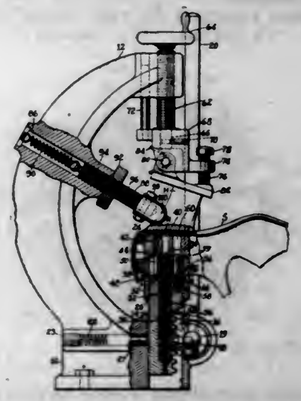
2,135,656

HEEL-ATTACHING MACHINE

Francis L. Brandt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application August 10, 1937, Serial No. 158,415
19 Claims. (Cl. 1—32)

1. In combination, a work-support comprising a body-portion and a top-portion movable thereon and provided with passages, drivers mounted upon the body-portion and movable in the passages, a spring interposed between the support-portions, and a retaining member carried by the



body-portion and limiting the movement of the top-portion under the influence of the spring while leaving said top-portion free for separation from the body-portion.

2,135,657

SEAT CONSTRUCTION

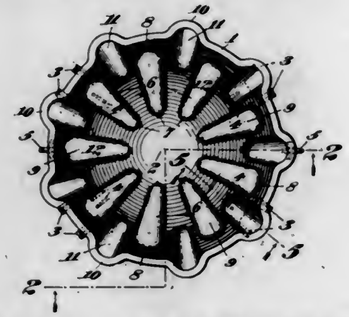
Franklin O. Church, Buffalo, N. Y., assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y., a corporation of New York

Application February 5, 1937, Serial No. 124,170
2 Claims. (Cl. 155—119)



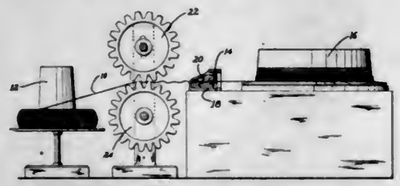
1. A seat construction which comprises a cross piece at the front of the seat, a head rest cross piece at the top of the back seat, and an intermediate cross piece placed below the top piece at a position corresponding to the small of the back of an occupant, a flexible supporting sheet attached to the front and head rest cross pieces and resting on the intermediate cross piece, said head rest cross piece comprising a plate of rigid material bent to form a recess at the uppermost end, and a front cross piece comprising a plate of rigid material bent to form a recess at its forward edge and a surface extending rearwardly of said recess, said sheet being anchored in said recesses and extending over said surfaces, and a cushion of resilient molded composition mounted on said sheet and overlying said cross pieces.

2,135,658
LADLE
Robert S. A. Dougherty, Bethlehem, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application February 26, 1938, Serial No. 192,696
6 Claims. (Cl. 266—39)



1. A ladle comprising a shell having outwardly flaring side walls, said side walls containing a plurality of inwardly extending corrugations having their greatest depth intermediate the ends thereof, and a plurality of outwardly extending corrugations at the upper end thereof.

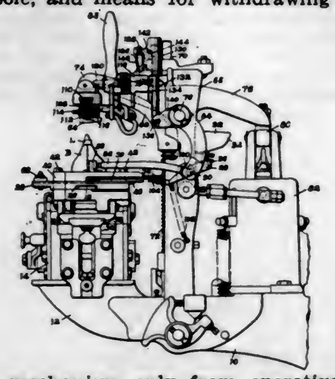
2,135,659
WIRE DRAWING APPARATUS
Nils Elfström, Fagersta, Sweden, assignor to National Standard Company, Niles, Mich., a corporation of Michigan
Application September 22, 1937, Serial No. 165,043
3 Claims. (Cl. 205—16)



1. Wire drawing apparatus comprising a source of supply of wire, a die through which wire from said source passes, means on the other side of the die from said source for drawing the wire through the die, a container of lubricant material adjacent the die on the side opposite the drawing means and through which the wire passes to the die, and means between said container and said source for producing transverse bends in the wire which are straightened out again as the wire passes through the die said transverse bends agitating the lubricant material to prevent it from packing.

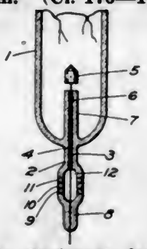
2,135,660
MACHINE FOR APPLYING PRESSURE TO SOLES AND SHOES
Sidney J. Finn, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application January 6, 1938, Serial No. 183,674
17 Claims. (Cl. 12—33)

1. A machine for applying pressure to soles and shoes having, in combination, a pad for receiving a sole and shoe, gage mechanism for positioning the sole on the pad, separate gage mechanism for positioning the shoe relatively to the sole, and means for withdrawing the shoe



gage mechanism only from operative position during the pressure applying operation.

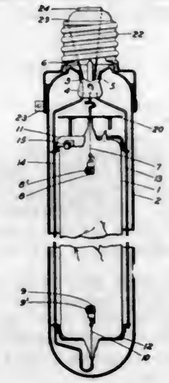
2,135,661
GASEOUS ELECTRIC DISCHARGE DEVICE
Wilhelm Hagen, Berlin, and Wolfgang Thouret, Berlin-Wilmersdorf, Germany, assignors to General Electric Company, a corporation of New York
Application January 11, 1937, Serial No. 120,066
In Germany January 15, 1936
1 Claim. (Cl. 176—126)



A gaseous electric discharge device comprising a vitreous container, electrodes and electrode leads sealed therein, a gaseous atmosphere therein, said container having a stem comprising an elongated tube of vitreous material fused thereto, said tube surrounding one of said current leads and extending a substantial distance into said container, the coefficient of expansion of said tube being approximately equal to that of said container and being different than that of said current lead, the inner diameter of said tube being slightly larger than the diameter of said current lead, the external end of said tube being closed by a graded seal fused thereto and to said current lead, said current lead extending along said tube and projecting beyond the internal end thereof, one of said electrodes being mounted on said current lead and adjacent the inner open end of said tube.

2,135,662
ELECTRIC GASEOUS DISCHARGE DEVICE
Walter Hänlein, Berlin-Haselhorst, and Hermann Krefft, Berlin-Friedrichshagen, Germany, assignors to General Electric Company, a corporation of New York
Application June 27, 1936, Serial No. 87,770
In Germany July 12, 1935
1 Claim. (Cl. 176—122)

An electric gaseous discharge device comprising a sealed envelope having a gaseous atmosphere including a metal vapor therein, the portion of said envelope exposed to said discharge



having the following composition:

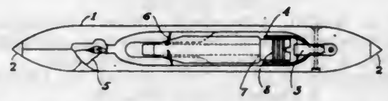
	Percent
SiO_2	35
B_2O_3	10
Al_2O_3	30
CaO	15
BaO	10

2,135,663
GLASS COMPOSITION
Walter Hänlein, Berlin-Haselhorst, and Hermann Krefft, Berlin-Friedrichshagen, Germany, assignors to General Electric Company, a corporation of New York
No Drawing. Original application June 27, 1936, Serial No. 87,770. Divided and this application January 25, 1937, Serial No. 122,310. In Germany July 12, 1935
1 Claim. (Cl. 106—36.1)

1. A glass having the following composition:

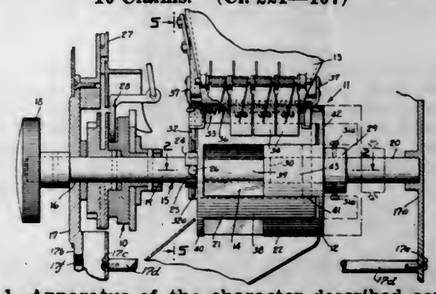
	Per cent
SiO_2	35
B_2O_3	10
Al_2O_3	30
CaO	15
BaO	10

2,135,664
LOOM SHUTTLE
William R. Hewton, Philadelphia, Pa., assignor to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware
Application September 4, 1937, Serial No. 162,446
6 Claims. (Cl. 139—207)



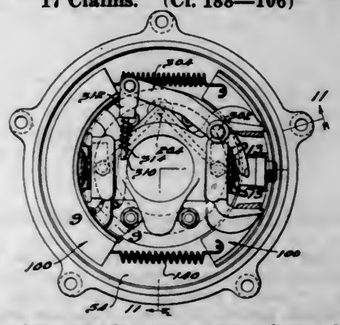
1. In an automatically replenished type of shuttle, bobbin clamping means and a thread guiding means at opposite ends thereof, side walls connecting the ends to form a bobbin slot and a projection on the side wall for obstructing the passage of the wound mass of thread on a full bobbin through the shuttle during normal replenishing insertion, said projection being so proportioned as to be clear of the normal path of ejection of the wound mass of thread on a partially exhausted bobbin.

2,135,665
DISPENSING APPARATUS FOR VENDING MACHINES
Fairfield W. Hoban, New York, N. Y., assignor to Stewart and McGuire, Incorporated, New York, N. Y., a corporation of New York
Application May 25, 1936, Serial No. 81,594
10 Claims. (Cl. 221—107)



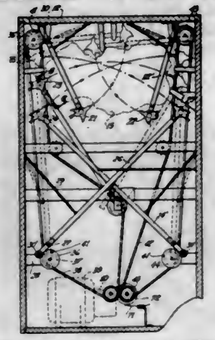
1. Apparatus of the character described comprising a support including a hopper, a dispensing drum below said hopper having an axial sleeve extending therethrough and terminating in a projecting collar at the front thereof, a shaft secured within the rear portion of said sleeve and projecting rearwardly from said drum, a bearing on the support for said shaft, control means carried by said support for removal therefrom including an actuating shaft removably disposed and keyed within said sleeve in abutting relation to the inner end of said first named shaft for rotating said drum, and means on the support extending under said collar for supporting the forward end of the drum upon the removal of said actuating shaft therefrom.

2,135,666
BRAKE MECHANISM
George H. Hunt, Detroit, Mich., assignor, by mesne assignments, to Detroit Hydrostatic Brake Corporation, a corporation of Michigan
Application March 12, 1936, Serial No. 68,483
17 Claims. (Cl. 188—106)



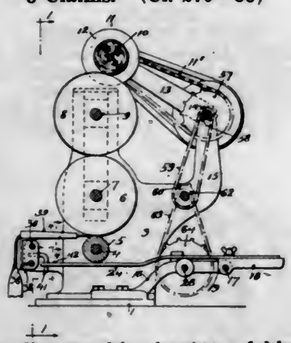
11. Braking mechanism comprising a braking surface, a braking member cooperable therewith, a support having guide means for said braking member, a movable member carried by said support and arranged for actuating said braking member, a connection between said movable member and said braking member and including a stem threadedly secured to one of said members, spring means for maintaining said stem in engagement with the other of said members, and means including a fork straddling said stem and engageable with said braking member independently of said stem for actuating said braking member.

2,135,667
TARGET DEVICE
Edward C. Johnson, Chicago, Ill.
Application September 20, 1937, Serial No. 164,669
11 Claims. (Cl. 273—105.2)



1. In a target apparatus, a plurality of movable targets, means for effecting movement of said targets individually, releasable means normally latching individual targets against movement, control means including a plurality of control members situated at a distance from said targets and severally operable to actuate said releasable means to effect movement of particular targets, said control means being so arranged and constructed as to effect movement of certain of targets only after certain other targets have first been operated.

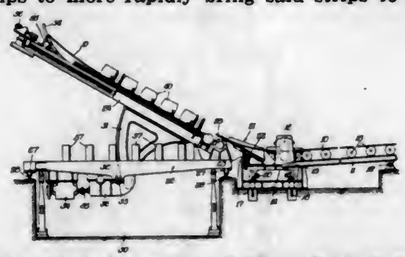
2,135,668
SPOOLING MACHINE
Oscar I. Judelshon, Park Ridge, N. J.
Application May 29, 1936, Serial No. 82,472
8 Claims. (Cl. 270—86)



1. A spooling machine having a folder for folding over the edges of a strip of fabric passing therethrough, a primary pressing roller around a portion of which the folded strip of fabric engages, a secondary pressing roller around a portion of which the strip of fabric feeding from said primary roller engages, the fabric so engaging the pressing rollers that the strip of fabric is bent in reverse directions when engaging the several pressing rollers, and means for winding up the strip of fabric.

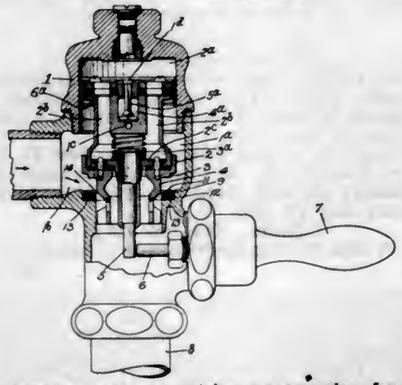
2,135,669
PILING AND STACKING APPARATUS
Charles P. Kimmel, Gary, Ind., and Alex K. Hamilton, Chicago, Ill.; Lilian L. Hamilton, executrix of said Alex K. Hamilton, deceased
Application February 8, 1936, Serial No. 63,010
12 Claims. (Cl. 214—6)

1. In apparatus of the class described, the combination with means for longitudinally delivering a succession of metal strips, plates or the like, of means changing the direction of travel of said strips to more rapidly bring said strips to rest,



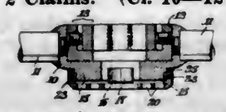
and a pivoted stacking platform having an inclination substantially parallel to their changed direction of travel during the stacking of the strips but being horizontally positioned for removing the stacked strips as a unit therefrom.

2,135,670
VALVE
Carl H. Krause, Chicago, Ill., assignor to Sloan Valve Company, Chicago, Ill., a corporation of Illinois
Application March 28, 1936, Serial No. 71,421
12 Claims. (Cl. 137—93)



7. A valve seat comprising an annular foraminous element and a pressure receiving element, the foraminous element having an upstanding annular portion and a laterally extending annular portion, the pressure receiving element encircling the upstanding annular portion.

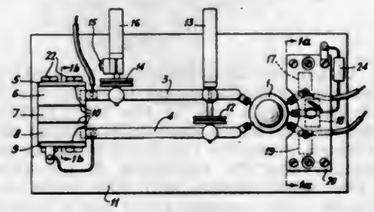
2,135,671
DIE STOCK
Karl A. Kuhn, Greenfield, Mass., assignor to Greenfield Tap and Die Corporation, Greenfield, Mass., a corporation of Massachusetts
Application June 21, 1937, Serial No. 149,426
2 Claims. (Cl. 10—127)



1. A die stock comprising a body, handles mounted on the body, a die socket in one side of the body, an integral work guide hub on the opposite side of the body, said body, socket and hub having a circular peripheral contour transverse to the body axis suitable for production by

turning, the hub comprising solid lands having arcuate peripheral faces, transverse guide channels, a central bore and continuous flat surfaces connecting said faces and bore; work guide members mounted in the channels, a cap rotatably mounted on said surfaces, and cam means on the cap operatively engaging the work guide members.

2,135,672
ULTRA SHORT WAVE SYSTEM
Robert M. Morris, Millburn, and Carey P. Sweeny, Teaneck, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application September 30, 1936, Serial No. 103,288
9 Claims. (Cl. 250—17)



1. A high frequency system comprising an electron discharge device having anode, grid and cathode electrodes, an oscillatory circuit comprising two parallel rods, a condenser assembly comprising at least three adjacent fixed plates separated from one another by a suitable dielectric, means for maintaining the center plate of said condenser assembly at zero radio frequency potential, said two parallel rods being connected to and supported at one end from said other two plates of said condenser assembly, the other ends of said rods being directly connected to said anode and grid electrodes and supporting said device, another condenser assembly comprising a plurality of separated plates in the same plane, a metallic plate on each side of said plurality and separated therefrom by a suitable dielectric, means for maintaining said last metallic plates on both sides of said plurality at zero radio frequency potential, said cathode electrodes being connected to said plurality of plates which also aid in supporting said device.

2,135,673
HEEL AND METHOD OF COVERING THE SAME
William H. Nutt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application May 28, 1937, Serial No. 145,319
6 Claims. (Cl. 12—147)

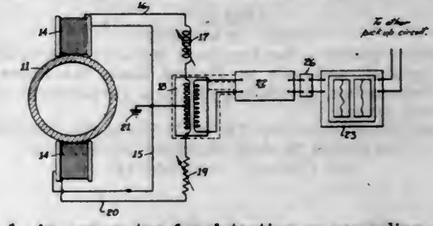


1. A heel having in each lateral margin of its breast a plurality of shallow cover-receiving recesses which are spaced from each other and intersect a corresponding side of the heel.

2,135,674
PROCESS FOR THE MANUFACTURE OF HYDROCHLORIC ACID AND SODIUM SULPHATE
Hans Oehlert, Krefeld-Uerdingen, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application January 30, 1937, Serial No. 123,149. In Germany February 5, 1936
3 Claims. (Cl. 23—121)

1. Process for the manufacture of hydrochloric acid and sodium sulphate by reacting with sulphuric acid upon rock salt which comprises heating at least one of the components prior to introduction into the reaction chamber to such a temperature that the reaction mixture possesses the temperature of at least about 200° C.

2,135,675
APPARATUS FOR DETERMINING AND RECORDING THE ECCENTRICITY OF LEAD SHEATHS OR OTHER CONDUCTING PIPE
John Hunter Palmer, Greenville, N. Y., assignor to Phelps Dodge Copper Products Corporation, New York, N. Y., a corporation of Delaware
Application April 16, 1936, Serial No. 74,710
4 Claims. (Cl. 175—183)

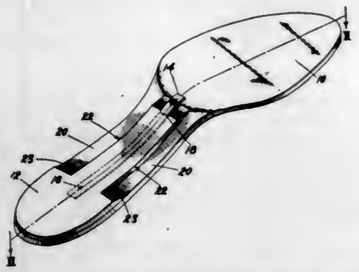


1. An apparatus for detecting or recording eccentricity of lead pipe, comprising one or more pairs of electromagnetic pick-up coils disposed symmetrically with respect to the pipe, and connected in electrical opposition with external inductance and resistance whereby the induced currents of the opposing coils may be balanced in both phase and magnitude, a shield of magnetic metal enclosing the pick up coils, a supporting means for said shield comprising an elastic linkage so that the shield is free to move with the pipe in a plane normal to the direction of travel of the pipe, while being restrained from longitudinal movement, by inelastic but flexible linkages.

2,135,676
MANUFACTURE OF SHOES AND SHOE BOTTOM UNITS
Clifford Roberts, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application July 27, 1936, Serial No. 92,790
6 Claims. (Cl. 12—142)

1. A reinforced shoe bottom unit comprising an insole having integral forepart, shank and heel portions, said shank portion being transversely curved to correspond to the transverse curvature of the bottom of a last, a heel and shank reinforcing piece located at the lower or lasting side of the insole, and a narrow shank stiffener strip interposed between said parts, said reinforcing piece having its heel portion of substantially the same lateral edge contour as the heel portion of the insole and having its shank portion substantially narrower than the shank portion of the insole and said shank

portion having perpendicular edge faces extending throughout its entire length to constitute lasting shoulders, said reinforcing piece being secured by means of adhesive to the insole at both sides of the shank stiffener throughout areas of



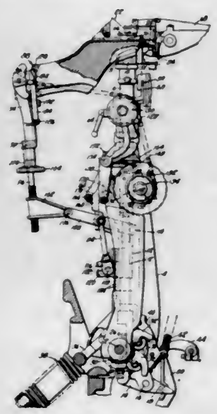
substantial width sufficient to maintain the transverse curvature of the insole, and said insole having marginal portions of its lower surface left bare throughout areas of substantial width at opposite sides of the reinforcing piece for the reception of lasting cement.

2,135,677

SHOE MACHINE

William Thomas Buckingham Roberts, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application December 21, 1937, Serial No. 180,994
In Great Britain January 30, 1937
40 Claims. (Cl. 12—14)



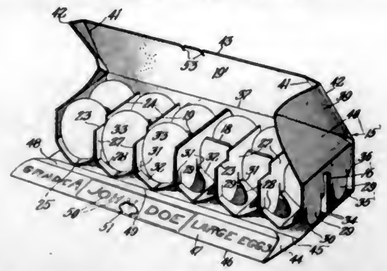
39. In a shoe machine, toe-lasting means arranged to operate on a shoe positioned bottom upward and comprising toe wipers and a device for clamping the margin of the shoe upper on the wipers, a support for said device movable downwardly in the course of the operation of the machine, and gage mechanism arranged to extend over the top of the wipers and to contact with the toe-end face of the shoe to determine the position of the shoe lengthwise when the shoe is presented to the machine, said gage mechanism being movably mounted on said support to permit the downward movement of the support while the gage mechanism is held from moving downwardly by the wipers.

2,135,678

CARTON

Arthur W. Scotcher, Nutley, N. J., assignor to Ralph M. Stalker, Bogota, N. J.

Application February 2, 1937, Serial No. 123,610
7 Claims. (Cl. 229—29)



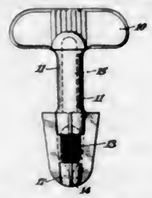
1. A carton as characterized comprising in combination a receptacle and filler formed from a single blank with half of the filler formed at each end of the blank, said filler having transverse creases enabling the filler to be bent accordion-like thereby providing a plurality of upper and lower peaks, and with ends of the filler halves juxtaposed to also form a peak, said filler also having longitudinally alined slots traversing the lower peaks and each terminating short of the upper peak, said receptacle having an intermediate longitudinal partition extending through said slots.

2,135,679

PIPE CLEANER

Anton J. Schwister, Greenfield, Mass., assignor to Greenfield Tap and Die Corporation, a corporation of Massachusetts

Application August 3, 1937, Serial No. 157,092
2 Claims. (Cl. 131—13)



1. A pipe cleaner comprising the combination with a handle, shank and head of light molded material cast and set integrally, of cooperating metal blade members partially embedded in said molded material and inwardly directed curved end portions terminating short of the center of the tool and having their peripheries gradually approaching and entering the curved surface of the molded head portion so as to form therewith gently tapering cutting edge protrusions at the end of the cleaner.

2,135,680

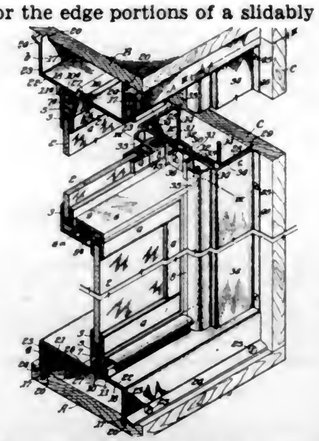
WINDOW FRAMING

Henry J. Sharp, Pittsburgh, Pa., assignor of fifty-one one-hundredths to William W. Martin, Pittsburgh, Pa.

Application March 29, 1937, Serial No. 133,487
12 Claims. (Cl. 189—75)

1. In window framing construction, the combination of upper, lower and side channel members having terminal securing edges and transverse web portions provided with interengaging

means for the edge portions of a slidably mounted sash framing, and an inner supporting channel member therefor.

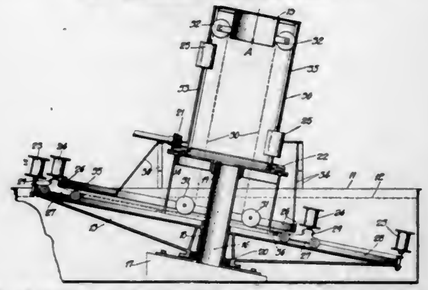


2,135,681

IMMERSION APPARATUS FOR SUBAQUEOUS LEAK TESTING OF PNEUMATIC TIRE TUBES

Harold Smith, Sutton Coldfield, and Geoffrey Charles Brentnall, Erdington, Birmingham, England, assignors to Dunlop Rubber Company, Limited, Erdington, Birmingham, England, a British company

Application January 11, 1937, Serial No. 119,894
In Great Britain January 15, 1936
13 Claims. (Cl. 73—51)



1. Apparatus for immersing tubes under tension which comprises a pair of separable elements to receive the tube to be tested, means to separate said elements under constant tension, means to bring said elements toward each other against the action of said tensioning means and means to move said elements to immersing position while tensioned and out of immersion position when brought toward each other.

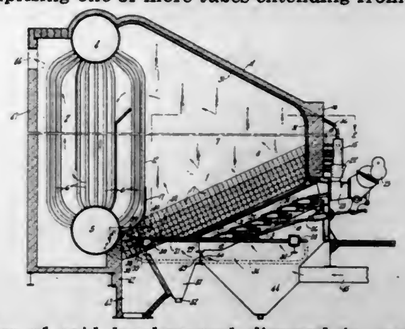
2,135,682

STOKER

Gordon A. Stephens, Long Branch, Ontario, Canada, assignor to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania

Application July 2, 1936, Serial No. 88,545
10 Claims. (Cl. 122—4)

1. In a furnace, the combination of a stoker, comprising alternately disposed retorts and tuyère rows, substantially horizontally disposed fuel supporting means provided at the lower end of each of said retorts, means comprising one or more fluid conducting tubes disposed longitudinally of and in cooling relation with said fuel supporting means, headers connecting the opposite ends of said tubes, a boiler, means connecting one of said headers with said boiler, means comprising one or more tubes extending from the



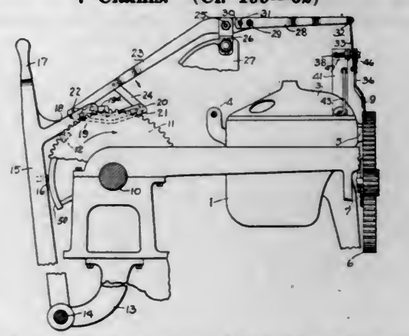
other of said headers and disposed in cooling relation with said tuyère rows, said last mentioned tubes being connected to said boiler whereby fluid from said boiler circulates to said first mentioned header and through said first mentioned tubes to said second header, thence through said second mentioned tubes and back to the boiler.

2,135,683

MOUTHPIECE WIPER

Herman T. Sundstrom, Houston, Tex.

Application March 6, 1937, Serial No. 129,313
7 Claims. (Cl. 199—62)



1. A mouthpiece wiper for type casting machines including a wiper lever, means to pivotally support said lever between its end, means at the rearward end of said lever to move said lever in a vertical direction, a wiper arm pivotally supported upon the melting pot, a wiper thereon positioned to engage the pot mouthpiece when said arm is moved, and a link on said wiper lever engaging said wiper arm to swing the same.

2,135,684

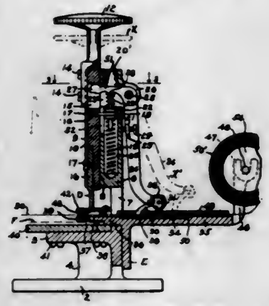
APPARATUS FOR ELIMINATING BLOOPS IN SPLICED SOUND-ON-FILM MOVING PICTURE POSITIVE FILMS

Thomas J. Walsh, West Hempstead, and John Antofilli, Astoria, N. Y.

Application March 6, 1936, Serial No. 67,436
17 Claims. (Cl. 216—28)

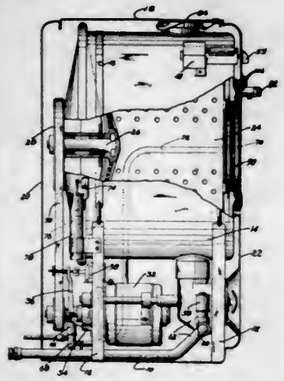
1. A punch for cutting and placing a bloop eliminating patch upon a spliced, sound-on-film positive film, comprising a frame, a punch carrying slide mounted for reciprocal operation in

said frame, a film patch cutter carried by said slide, a die cooperating with said cutter, means for supporting, and feeding the patch material to said die and means for holding the spliced film in registry with its splice registered under said cutter and die, whereby, when the cutter is operated to cut a patch said cutter will position said patch on said spliced film.



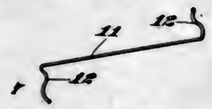
13. A thick conveyor strip provided with a series of cut out slots longer and wider than patches to be applied; said strip being adapted to have secured thereon an elongated patch strip having its lower face at said cut-out provided with adhesive.

2,135,685
WASHING MACHINE
Franklin H. Wells, South Bend, Ind., assignor to Bendix Home Appliances, Inc., South Bend, Ind., a corporation of Delaware
Application July 17, 1937, Serial No. 154,115
2 Claims. (Cl. 192—135)



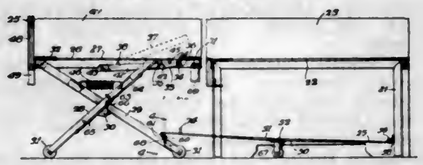
1. A washing machine or the like comprising a side wall provided with an opening for the introduction of materials to be cleaned, a door for said opening hinged to said wall at one side of the opening, a latch plate carried by said wall at the other side of the opening, a control circuit for the machine including a switch adjacent said latch plate, a device mounted in the latch plate and movable crosswise thereof to operate the switch, a hood-shaped stamping mounted on said wall and housing said switch and having said latch plate arranged substantially to close its open side, and a latch on the door manually operable to interlock with the latch plate and simultaneously move said device by direct engagement therewith to operate the switch.

2,135,686
CLIP
William E. White, Bethlehem, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application August 14, 1937, Serial No. 159,099
6 Claims. (Cl. 72—120)



5. A clip of the class described comprising a resilient body portion and an L-shaped leg at each end thereof comprising a continuation of the body portion, said legs being disposed at substantially a right angle to the body portion and extending at an angle to each other.

2,135,687
STUDIO COUCH
Edward E. Weller, Kenosha, Wis., assignor to Simmons Company, New York, N. Y., a corporation of Delaware
Application May 26, 1936, Serial No. 81,833
10 Claims. (Cl. 5—21)



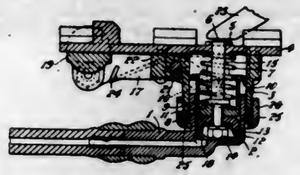
1. A collapsible couch comprising a main frame, pivotally connected crossed legs at opposite ends of said frame, means pivotally connecting the upper ends of said legs to said frame, said pivotal connection for one leg at each end of the frame comprising a rock arm pivoted at one of its ends to the frame and at its other end to such leg, means on said rock arm for limiting the unfolding movement of said legs to thereby determine the bed height of the couch when raised, and means operating through said rock arm for effecting folding movement of said legs.

10. A couch bed of the class described, comprising a pair of telescoping sections relatively movable from a nested position to an extended position wherein they form a bed of superior size, one of said sections having a vertically movable mattress-supporting frame and spring-actuated means operative to move said frame from a collapsed position to an elevated position, said spring-actuated means being normally inactive when said sections are nested but operative to move said frame from collapsed position to an elevated position after elevating movement has been initiated, the other of said sections having means operative to effect the initial elevating movement when said sections are moved to extended position.

2,135,688
FIRING DEVICE FOR AUTOMATIC GUNS
Joseph Wright, Stoke Park, Coventry, and Henry Trevaskis, Sutton Coldfield, England, assignors to Dunlop Rubber Company, Limited, London, England, a British company
Application April 27, 1937, Serial No. 139,112
In Great Britain May 6, 1936
3 Claims. (Cl. 89—27)

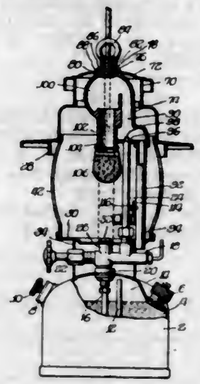
1. Apparatus for operating a bolt release mechanism of an automatic gun which comprises a

hollow piston, a plunger attached to said piston, a spring acting against said piston and plunger, pneumatic means for moving said piston and



plunger against the action of said spring and manually operated means comprising a lever having pins to engage said hollow piston to move the latter against the action of said spring.

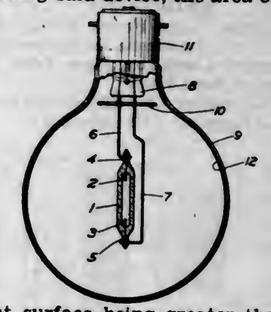
2,135,689
LAMP
Anton J. Yeager, Wisconsin Rapids, Wis., assignor to Prentiss-Wabers Products Co., Wisconsin Rapids, Wis., a corporation of Wisconsin
Application April 27, 1936, Serial No. 76,506
14 Claims. (Cl. 67—50)



3. In a lamp, the combination of a frame having a base, a globe supported on said base, said frame including a plurality of supports extending upwardly from said base exteriorly of said globe, a frame member embracing said globe and being connected to said supports in spaced relation to said base, a hood supported on said member, and a manifold connected to and supported by said hood, said manifold having an air intake conduit depending therefrom within said globe and extending through an opening in said base and being free from supporting relation therewith.

2,135,690
GASEOUS ELECTRIC DISCHARGE LAMP DEVICE
Nicolaas W. H. Addink, Jan Hendrik de Boer, Pieter Martinus V. Alphen, and Gustav Zecher, Eindhoven, Netherlands, assignors to General Electric Company, a corporation of New York
Application September 14, 1937, Serial No. 163,850
In Germany September 24, 1936
4 Claims. (Cl. 176—124)

1. An electric lamp comprising in combination a high pressure mercury vapor discharge lamp device capable of operation with a current load higher than 10 watts per square cm. of the inner surface of that part of the container thereof surrounding the discharge path in said device, a sealed bulb having a phosphorescent inner surface enclosing said device, the area of said phos-

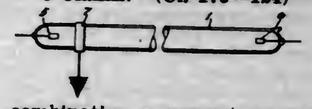


phorescent surface being greater than

$$10\times(B+15)^{2/3}\ \text{cm.}^2$$

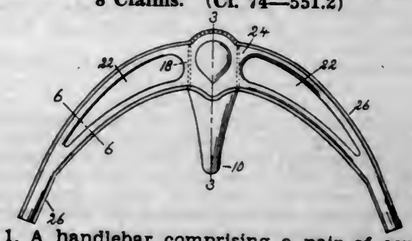
where B represents the specific load of the device in watts, and means to supply B watts to said lamp device.

2,135,691
GASEOUS ELECTRIC DISCHARGE DEVICE
Hans Alterthum and Marcello Pirani, Berlin-Wilmersdorf, Germany, assignors to General Electric Company, a corporation of New York
Application December 2, 1936, Serial No. 113,919
In Germany December 6, 1935
3 Claims. (Cl. 176—124)



1. In combination a current source of symmetrical alternating current, a gaseous electric discharge device connected across the terminals of said source, said device comprising an elongated tubular container, electrodes sealed therein at the ends thereof, a mixture of gases therein each of said gases having a different ionizing potential said electrodes being cold electrodes, the voltage of said current source being slightly higher than the starting voltage of said device, a sensitive part of said device being grounded to transform the symmetrical alternating current into unsymmetrical alternating current in said device to cause said device to emit different colored light from different parts thereof.

2,135,692
HANDLE BAR
Bert J. Anderson, Hammond, Ind.
Application February 17, 1937, Serial No. 126,119
8 Claims. (Cl. 74—551.2)

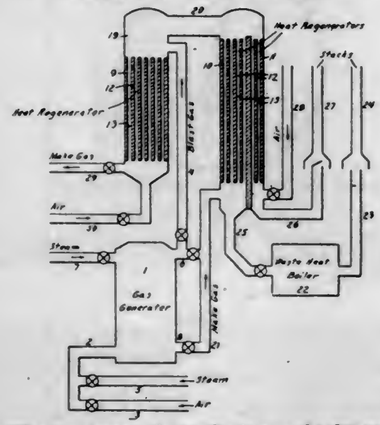


1. A handlebar comprising a pair of complementary stampings, one of said stampings having the entire forward edge thereof crimped over the flange on the forward edge of the other stamping, means allowing the flexing of the end portions of said handlebar, and a post secured to said handlebar.

2,135,693
PROCESS FOR THE PRODUCTION OF HYDROGEN

Dwight C. Bardwell and Frank Porter, Syracuse, N. Y., assignors, by mesne assignments, to The Solvay Process Company, New York, N. Y., a corporation of New York

Application September 25, 1930, Serial No. 484,268
3 Claims. (Cl. 23—212)



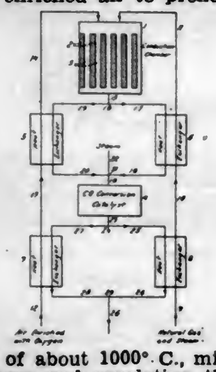
1. The process of producing a hydrogen gas which comprises blasting a hot bed of bituminous fuel with air, burning the blast gases with preheated air, recovering sensible heat contained in the products of combustion, introducing steam into the thus heated bed of fuel, transferring a portion of the aforesaid sensible heat to the reaction products of the steam and fuel, transferring another portion of said sensible heat to a gas containing oxygen to preheat the same, introducing the thus heated gases into a combustion chamber wherein a portion of the constituents of said reaction products are burned by the oxygen containing gas, maintaining a combustion temperature of about 1500° C. by regulating the degree of preheat of the gases introduced into said combustion chamber, recovering sensible heat from the products formed by reaction of said gases, and employing the heat thus recovered for preheating air used for burning the blast gases from a succeeding blasting with air of the aforesaid bed of fuel.

2,135,694
PROCESS FOR THE PRODUCTION OF HYDROGEN

Dwight C. Bardwell and Frank Porter, Syracuse, N. Y., assignors, by mesne assignments, to The Solvay Process Company, New York, N. Y., a corporation of New York

Application September 25, 1930, Serial No. 484,269
Renewed July 10, 1934
1 Claim. (Cl. 23—7)

The process of producing a nitrogen-hydrogen gas, which comprises continuously subjecting a mixture of natural gas and steam to a temperature of about 1500° C. in contact with refractory material, removing sensible heat from the products of said reaction, passing the thus cooled products in contact with a catalyst active to promote the decomposition of the carbon monoxide content of the product by means of steam contained therein, and during the aforesaid steps maintaining the said reaction temperature of 1500° C. by transferring sensible heat from the gaseous product of decomposition of the carbon monoxide with steam to said mixture of hydrocarbon and steam and to oxygen enriched air, transferring sensible heat from the aforesaid products of the reaction between hydrocarbon and steam to said natural gas-steam mixture and said oxygen enriched air to preheat them to a

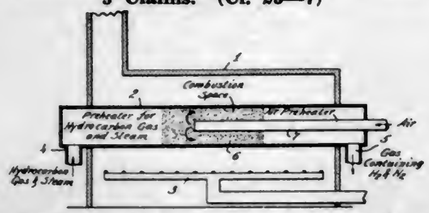


temperature of about 1000° C., mixing the thus preheated gases and regulating the amount of the oxygen enriched air mixed with the natural gas-steam mixture to supply sufficient heat by the combustion of a portion of the natural gas with the oxygen to heat the mixture of gases to a temperature of about 1500° C.

2,135,695
PROCESS FOR PRODUCING A MIXTURE OF NITROGEN AND HYDROGEN

Dwight C. Bardwell, Syracuse, N. Y., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York

Application May 8, 1937, Serial No. 141,562
3 Claims. (Cl. 23—7)



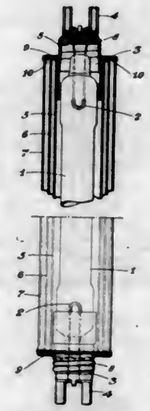
1. The process of obtaining a mixture of nitrogen and hydrogen in determined proportions by the dissociation of hydrocarbon gases and vapors, which comprises passing a mixture of hydrocarbon gases and steam through a conduit heated to a temperature in excess of 1800° F. and thereby heating said mixture to a temperature in excess of 1800° F., simultaneously heating a volume of air sufficient to supply the required proportion of nitrogen in an independent conduit, to a temperature in excess of that at which ignition will take place, and bringing the gas and air into intimate mixture in a combustion chamber, withdrawing the resultant product and removing the oxides of carbon.

2,135,696
LAMP UNIT

Heinrich Baumhauer, Berlin-Spandau, and Werner Fehse, Berlin-Lichterfelde, Germany, assignors to General Electric Company, a corporation of New York

Application March 5, 1935, Serial No. 9,514
In Germany March 9, 1934
2 Claims. (Cl. 240—11.4)

1. A lamp unit comprising in combination an elongated gaseous electric discharge lamp device, a heat conservator therefor, said lamp device having a base attached to each end thereof, supports on said bases for said conservator, said conservator comprising three coaxial and coextensive, light transmitting tubes and being filled with air, one end of the intermediate tube being

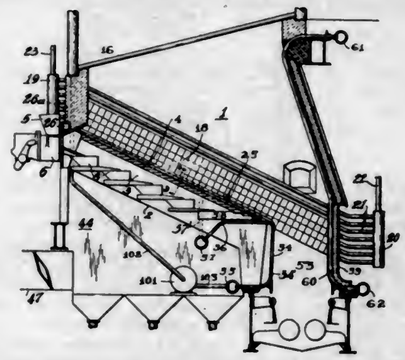


fused to an end of the tube having a greater diameter than said intermediate tube and the other end of said intermediate tube being fused to an end of the tube having a smaller diameter than said intermediate tube, said supports restricting the flow of air through said conservator.

2,135,697
FURNACE STOKER

Joseph S. Bennett, Merion, Pa., assignor to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania

Application October 23, 1934, Serial No. 749,539
15 Claims. (Cl. 122—4)

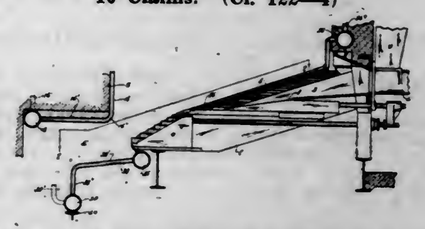


15. In a furnace, the combination of a stoker, comprising alternately disposed retorts and tuyère rows, substantially horizontally disposed fuel supporting means provided at the lower end of each of said retorts, means comprising one or more tubes disposed longitudinally of and in cooling relation with said fuel supporting means, headers connecting the opposite ends of said tubes, means comprising one or more tubes extending from one of said headers and disposed in cooling relation with said tuyères, and means for supplying fluid to one of said headers.

2,135,698
FURNACE STOKER

Joseph S. Bennett, Merion, Pa., assignor to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania

Original application October 23, 1934, Serial No. 749,539. Divided and this application September 22, 1937, Serial No. 165,057
10 Claims. (Cl. 122—4)

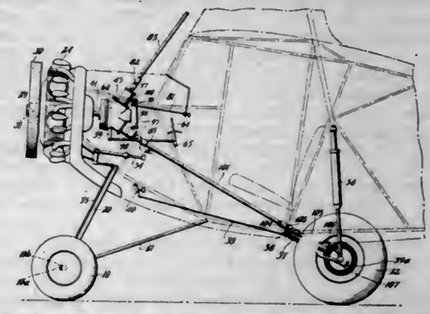


10. In a furnace, the combination of a rear wall having a transverse recess provided at the lower end thereof, a front wall, a stoker inclining downwardly and rearwardly from said front wall, a longitudinal extension provided at the rearwardly disposed end of said stoker, said extension being disposed beneath the lower end of said rear wall and forming therewith a passage, and means for fluid cooling said stoker.

2,135,699
ROADABLE AUTOROTATIVE-WINGED AIRCRAFT

Harris S. Campbell, Willow Grove, Pa., assignor to Autogiro Company of America, Willow Grove, Pa., a corporation of Delaware

Application January 13, 1936, Serial No. 58,831
1 Claim. (Cl. 244—18)



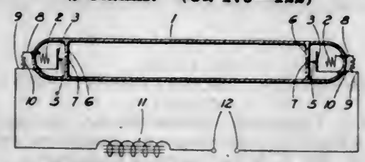
In an aircraft, a sustaining rotor, an engine, an undercarriage, mechanism for transmitting power from the engine to the rotor to drive the same, mechanism for transmitting power from the engine to the undercarriage for propulsion on the ground, a compact transmission unit including a casing for parts of both of said mechanisms, a horizontal shaft supported in the casing, a slipping clutch for connecting the horizontal shaft with the engine, a pair of bevel gears housed in said casing for transmitting power from said shaft to the rotor, a second pair of bevel gears housed in said casing for transmitting power from said shaft to said undercarriage, for each drive mechanism a positive or non-slipping clutch associated with one of the bevel gears therefor, and a control for said positive clutches incorporating interlocking means providing for alternative connection of said positive clutches and further providing against connection of both of them at the same time.

2,135,700
AUTOROTATIVE WING FOR AIRCRAFT
Juan de la Cierva, Madrid, Spain, assignor to Autogiro Company of America, Willow Grove, Pa., a corporation of Delaware
Application January 15, 1936, Serial No. 59,294
In Great Britain January 16, 1935
12 Claims. (Cl. 244—18)



2. For autorotative-winged aircraft, a rotor blade or wing mounted for independent swinging and pitch-varying movements in flight and being of unsymmetrical bi-convex section throughout a major portion of the wing and of reflexly curved section in a region adjacent the tip.

2,135,701
ELECTRIC GASEOUS DISCHARGE DEVICE
Willem Elenbaas and Aart van Wyk, Eindhoven, Netherlands, assignors to General Electric Company, a corporation of New York
Application August 16, 1937, Serial No. 159,430
In Germany August 31, 1936
2 Claims. (Cl. 176—122)



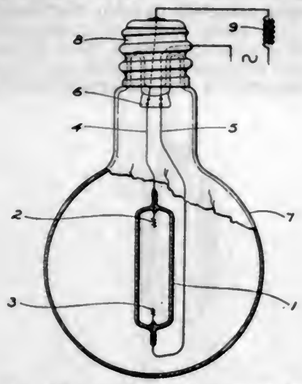
1. An electric gaseous discharge device comprising a sealed envelope containing a gaseous atmosphere consisting in part of vaporizable material, at least three electrodes within said envelope, one of said electrodes being at one end of said envelope and the other two near the opposite end of said envelope but at different distances from the first electrode, the electrode which is nearer said first mentioned electrode being an unactivated electrode of a refractory metal capable of thermionic emission when heated while the more remote of said electrodes is an activated thermionic cathode, and a resistance connected between the two latter electrodes and traversed only by the current to the activated cathode which facilitates the transfer of a discharge from the activated starting electrode to the unactivated running electrode after the latter has been heated up by the discharge.

2,135,702
ELECTRIC GASEOUS DISCHARGE DEVICE
Willem Elenbaas, Eindhoven, Netherlands, assignor to General Electric Company, a corporation of New York
Application October 15, 1937, Serial No. 169,162
In Germany November 10, 1936
3 Claims. (Cl. 176—124)

1. In combination, a source of electrical energy, a ballasting device and a tubular mercury vapor arc discharge device connected in series across said source, said ballasting device limiting the potential across said discharge device to V_B volts when B watts energy is consumed in said device, the inside diameter of said discharge device being equal (in millimeters) to

$$2.3\left(\frac{B^2}{V_B}\right)^{0.3}$$

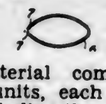
and greater than 7 mm. and the length of the



discharge path within said device being equal (in centimeters) to

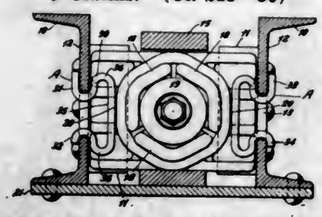
$$\frac{B^{0.8}.V_B^{0.6}}{325}.$$

2,135,703
PACKING MATERIAL
Merrell Robert Fenske, State College, Pa.
Application June 21, 1935, Serial No. 27,824
2 Claims. (Cl. 261—94)



1. Packing material comprising an interlocked mass of units, each unit comprising a single-turn wire helix, the ends of which are separated in a direction parallel to the axis of the helix.

2,135,704
DRAFT GEAR CENTERING CLIP
Richard S. Firth, Ridley Park, Pa.
Application September 14, 1934, Serial No. 744,036
9 Claims. (Cl. 213—50)



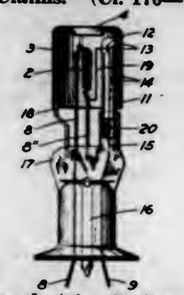
1. In means for centering and guiding casings of draft gears, the combination with laterally spaced draft sills adapted to accommodate the casing therebetween, said sills having elongated openings therethrough, said openings being in transverse alignment; of a pair of centering members, each member having an elongated guide portion disposed on the inner side of the corresponding sill, said guide portion extending across said opening, transversely of the length of said opening and having its ends projecting beyond the limits of said opening in engagement with the inner side of said sill, said guide portion having a guide face extending lengthwise of the sill, and spaced arms on said guide portion formed integral therewith and extending through said opening, the extremities of said arms being bent into tight clamping engagement with the outer side of said sill.

2,135,705
HIGHWAY GUARD STRUCTURE
Warren M. Florance, Bethlehem, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application August 10, 1935, Serial No. 35,581
19 Claims. (Cl. 256—13.1)



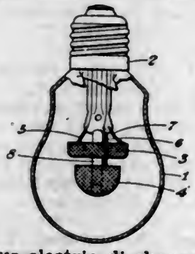
1. A road guard structure comprising a guard rail, a support for said guard rail, and a combination C and leaf spring bracket intermediate the guard rail and the support having its body portion connected to said support and its ends engaging said guard rail.

2,135,706
GASEOUS ELECTRIC DISCHARGE DEVICE
Otto Fritze, Berlin, Germany, assignor to General Electric Company, a corporation of New York
Application June 2, 1937, Serial No. 146,047
In Germany June 9, 1936
2 Claims. (Cl. 176—124)



1. A gaseous electric discharge lamp device comprising a sealed container, a gaseous atmosphere therein, electrodes sealed therein which are electron emitting when heated, a thermostatic switch mounted in said container and in heat receiving relation to one of said electrodes, a heat retaining means surrounding one of said electrodes and said switch, said switch consisting of a sealed vessel having a bimetallic strip and a contact therein, and an auxiliary starting means for said device, said starting means being controlled by said switch.

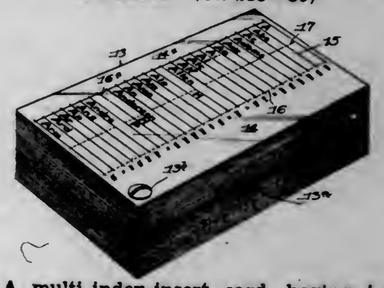
2,135,707
GASEOUS ELECTRIC DISCHARGE DEVICE
Georg Gaidies, Berlin-Pankow, Germany, assignor to General Electric Company, a corporation of New York
Application October 4, 1935, Serial No. 43,581. Renewed October 15, 1936. In Germany October 9, 1934
3 Claims. (Cl. 176—122)



1. A gaseous electric discharge lamp compris-

ing a container, electrodes sealed therein, a gaseous atmosphere capable of emitting ultra-violet light when excited by an electric discharge between said electrodes, and a coating on one of said electrodes, said coating comprising a material having high electron emissivity characteristics and another material having fluorescent properties.

2,135,708
MULTI-INDEX-INSERT CARD FOR FILING SYSTEMS
La Vergne W. Gillette, Muskegon, Mich., assignor to The Shaw-Walker Company, Muskegon, Mich., a corporation of Michigan
Application January 4, 1935, Serial No. 319
5 Claims. (Cl. 283—36)

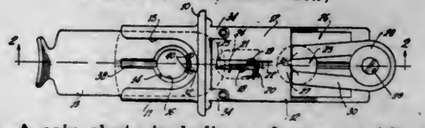


1. A multi-index-insert card, having inserts to be severally applied at a plurality of positions, offset in one direction on guide cards, said index card comprising a margin part and an index-insert part at one side thereof with a line of weakening dividing it from said margin part, said index-insert part being slit transversely into a plurality of index-inserts each bearing index characters corresponding to a maximum division of subject matter according to a predetermined system of classification, lines of weakening dividing some of said inserts into a plurality of parts with the index characters severally located thereon in association with the offset positions on said guide cards, and key devices associated with each insert severally corresponding to the said maximum division and to one or more lesser divisions of the subject matter.

2,135,709
ACETIC-PYRUVIC ANHYDRIDE
George De Witt Graves, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 19, 1933, Serial No. 703,072
2 Claims. (Cl. 260—546)

1. Acetic pyruvic anhydride.

2,135,710
COIN CHUTE
Bernhard C. Grunig, Chicago, Ill.
Application July 29, 1937, Serial No. 156,305
6 Claims. (Cl. 194—102)



1. A coin chute including a frame providing a sleeve, a substantially flat slide reciprocable in said sleeve and having a coin pocket adapted to

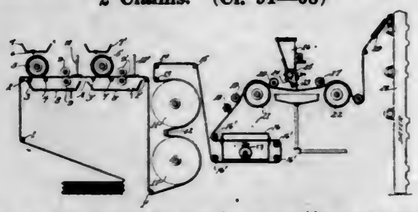
hold a proper coin of predetermined thickness for transport in said sleeve by the slide said coin being of lesser thickness than said slide, and said pocket having spaced inwardly tilted projections adapted to tilt said coin therein without preventing movement of said slide in said sleeve, such movement being prevented, however, by engagement of the coin with the frame when the coin or token in said pocket is of a thickness greater than that of said proper coin.

2,135,711

MANUFACTURE OF PILE FABRICS

Glen S. Hiers, Bala-Cynwyd, Pa., assignor to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware

Application March 11, 1935, Serial No. 10,405
2 Claims. (Cl. 91—68)



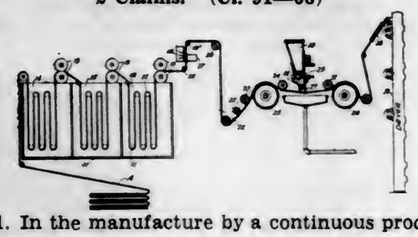
1. In the manufacture by a continuous process of an impregnated air permeable pile fabric having pile elements looped about wefts of a loosely woven backing, said pile elements originally containing water repellent bond inhibiting substances, the steps of removing or neutralizing the bond inhibiting substances by local application to the bights of the pile elements and the backing of an inorganic absorbent of such quality that it removes or neutralizes said inhibiting substances, passing the treated pile fabric adjacent to and substantially in contact with an air extractor employing a current of air which current passes through the fabric whereby portions of the bond inhibitor and remover are taken out of the pile fabric and the interstices of the fabric are left open, brushing the fabric to remove loose pile tufts and force slightly loosened pile tufts back into the fabric, depositing a uniform layer of a rubber hydrosol on the back of said fabric, forcing the hydrosol into the fabric, leaving the interstices of the fabric open and the bights of the pile exposed to form a nodulous surface imparting a textile feel and handle to the fabric, the quantity of hydrosol being controlled so that it is substantially confined to the plane of the woven backing, and setting the hydrosol whereby the pile is adhered to the backing.

2,135,712

METHOD OF PRODUCING AIR PERMEABLE PILE FABRIC

Glen S. Hiers, Bala-Cynwyd, Pa., assignor to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware

Application December 17, 1936, Serial No. 116,274
2 Claims. (Cl. 91—68)



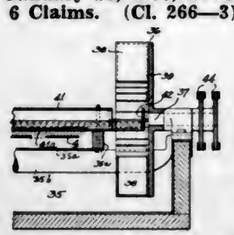
1. In the manufacture by a continuous process of an impregnated air permeable pile fabric having pile elements looped about wefts of a somewhat sleazy woven backing, said pile elements originally containing water repellent bond inhibiting substances, the steps of removing the bond inhibiting substances by wetting the pile fabric, scouring the pile fabric with a suitable detergent, rinsing the pile fabric, passing the wet fabric adjacent to and substantially in contact with an air extractor employing a strong current of air which current passes through the fabric whereby rinse liquid is removed from the fabric and the interstices of the fabric are left open, the same current of air which removes the rinse liquid also acting to straighten or lift the pile, brushing the fabric to remove loose pile tufts and force slightly loosened pile tufts back into the fabric, depositing a uniform layer of an hydrosol on the back of said fabric, forcing the hydrosol into the fabric, leaving the interstices of the fabric open and the bights of the pile exposed to form a nodulous surface imparting a textile feel and handle to the fabric, the quantity of hydrosol being controlled so that it is substantially confined to the plane of the woven backing, and setting the hydrosol whereby the pile is adhered to the backing.

2,135,713

MEANS FOR TREATING THIN STRIP METAL

Clifford B. Higgins, Detroit, Mich., assignor to H & H Tube & Mfg. Co., Detroit, Mich., a corporation of Michigan

Application January 28, 1937, Serial No. 122,758
6 Claims. (Cl. 266—3)



1. Means for subjecting a long strip of thin metal to an acid bath during the process of treating and annealing said strip while travelling in a long horizontal run, said acid applying means including an acid tank across which said run extends and acid agitating and elevating means in said tank for stirring said acid and raising it above the horizontal plane of said run and discharging it downwardly with a continuous flow into impingement with said strip.

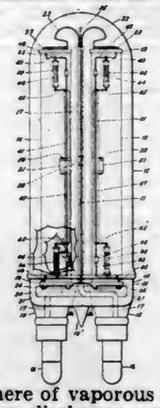
2,135,714

ELECTRIC LAMP

George E. Inman, East Cleveland, Ohio, assignor to General Electric Company, a corporation of New York

Application August 10, 1934, Serial No. 739,271
15 Claims. (Cl. 176—1)

1. A lamp unit comprising a plurality of glow discharge vapor lamp tube means close alongside one another, thus blanketing one another's heat; an evacuated outer envelope containing said lamp tube means in its vacuum space; and electric heating elements in said vacuum space, said lamp means and said heater elements being mounted about and at equal distances from a common center and in evenly spaced, alternate positions in said envelope, the heat from said heater elements coacting with the heat of the lamp tube means and with said outer envelope to heat the lamp tube means substantially uniformly to a temperature sufficient to maintain therein an adequate atmosphere of vaporous working substance with a low glow discharge current density.

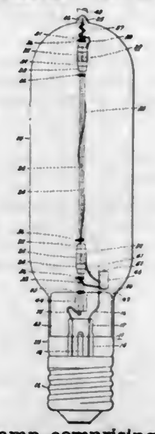


2,135,715

ELECTRIC LAMP

George E. Inman, East Cleveland, Ohio, assignor to General Electric Company, a corporation of New York

Application August 30, 1934, Serial No. 742,126
6 Claims. (Cl. 176—1)



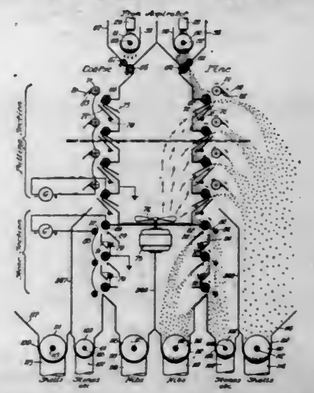
1. A vapor lamp comprising an envelope with electron-emissive electrodes therein; a charge of vaporizable working substance in said envelope producing only a small vapor pressure therein during operation of the lamp; and a single walled luminous tube enclosing a heating resistance and ballast means in the vapor space of said envelope, a heating resistance surrounded by one of said electrodes, a current lead external to said tube and connecting said heating resistance in shunt with the discharge path between said electrodes, said resistance and ballast means being connected in series with said heating resistance and the electrode gap and heating said tube to luminosity, said tube being directly exposed to the luminous vapor space and being adapted and arranged to heat the walls of said space to substantially uniform temperature sufficient to maintain an adequate atmosphere of the metal vapor throughout said space, and emitting light of color tone such as to compensate for color deficiency of the gaseous electric discharge when said lamp is at equilibrium.

2,135,716

METHOD AND APPARATUS FOR SEPARATING FOODSTUFF OF THE NATURE OF COCOA BEANS

Herbert B. Johnson, Rochester, N. Y., assignor to Ritter Products Corporation, Rochester, N. Y., a corporation of New York

Application February 27, 1937, Serial No. 128,097
10 Claims. (Cl. 209—2)



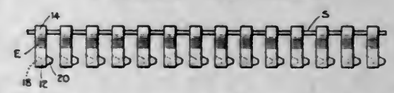
1. The method of processing foodstuff of the nature of cocoa beans, which comprises humidifying the whole beans, cracking the beans to permit separation of the combined shell and nib product, sorting the product according to size, passing an air current through the combined product to remove a portion of the shells, scrubbing the air current to remove a portion of the nibs, allowing the air current to expand to remove a further portion of the nibs, uniformly subjecting the remaining shell and nib product to the successive action of a plurality of electrostatic fields for removing the remaining shell portion, turning the product over while subjected to said fields, and subjecting the product to a series of electro-static discharges for removing extraneous particles therefrom.

2,135,717

METHOD OF MAKING SLIDE FASTENERS

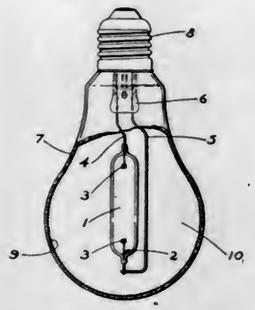
Alexander Konoff, Brooklyn, N. Y., assignor, by mesne assignments, to Conmar Products Corporation, Bayonne, N. J., a corporation of New Jersey

Application July 14, 1934, Serial No. 735,131
7 Claims. (Cl. 153—1)



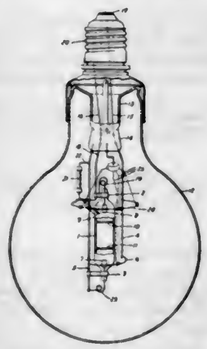
1. In the manufacture of a temporary stringer for a slide fastener, the method which includes temporarily mounting a series of open-jawed elements in properly uniformly spaced and aligned relation on a strip of cardboard or like material with the open jaws of the elements astride the strip with a snug fit capable of holding said elements in place on the strip during normal handling of the strip preparatory to permanently mounting the elements on some other carrier, said elements having interlockable head portions each including a projection and a recess, said head portions being disposed remote from the strip with the strip extending transversely of the elements between the jaws, the jaws of each element bearing against opposite edges of the strip.

2,135,718
GASEOUS ELECTRIC DISCHARGE LAMP DEVICE
Hermann Krefft, Berlin-Friedrichshagen, and Alfred Rüttenauer, Berlin-Halensee, Germany, assignors to General Electric Company, a corporation of New York
Application October 14, 1937, Serial No. 169,052
In Germany October 20, 1936
3 Claims. (Cl. 176—122)



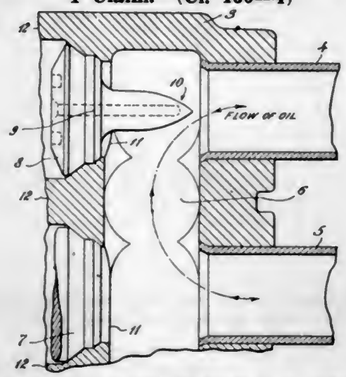
1. A gaseous electric discharge lamp device comprising a container, a gaseous atmosphere therein, electrodes sealed therein and a sealed envelope enclosing said container, said envelope having a coating of luminescent material on the inner surface thereof and having an oxygen containing gas therein at a pressure lower than atmospheric pressure.

2,135,719
ELECTRIC LAMP
Hermann Krefft, Berlin-Friedrichshagen, Willy Wilde, Berlin-Zehlendorf, and Kurt Larché, Berlin-Tempelhof, Germany, assignors to General Electric Company, a corporation of New York
Application April 15, 1938, Serial No. 202,310
In Germany April 20, 1937
3 Claims. (Cl. 176—1.1)



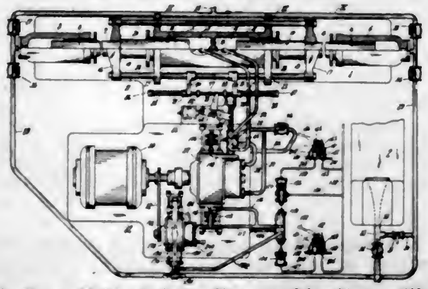
1. An electric lamp comprising an hermetically sealed envelope, a gaseous electric discharge lamp device mounted in said envelope, a filament connected in series with said discharge device to serve as a ballast resistance therefor and another filament connected in parallel with said discharge device and said series filament, both of said filaments being mounted in said envelope and external to said discharge device.

2,135,720
THERMOCOUPLE WELL
Alfred Krieg, Woodbury, N. J., assignor to Socony Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application August 26, 1936, Serial No. 97,888
1 Claim. (Cl. 136—4)



A thermocouple well adapted for insertion in a fitting containing flowing hot oil or fluid under pressure, characterized by having the end of the well which is inserted in the fluid externally formed as a cylinder with a gradually accelerating degree of taper, terminating in a point.

2,135,721
APPARATUS FOR PRESSURE TESTING
Henry W. Landenberger, Philadelphia, Pa., assignor to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 5, 1935, Serial No. 25,029
26 Claims. (Cl. 103—45)

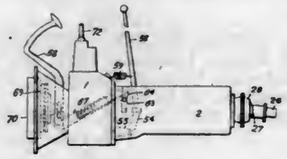


1. In a fluid system, the combination with a pump for supplying a test fluid under pressure, of a motor for operating said pump, means including a second pump for actuating said motor, and means including a third pump for controlling the pressure conditions of said second pump.

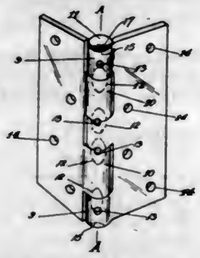
2,135,722
DRIVE TRANSMISSION MEANS FOR MOTOR-ROAD VEHICLES
Horatio Henwood Lee, Double Bay, near Sydney, New South Wales, Australia
Application May 22, 1937, Serial No. 144,199
In Australia June 10, 1936
7 Claims. (Cl. 192—48)

1. Drive transmission means for motor-road vehicles characterized in that the direct drive shaft of the gear box of the vehicle has an extension projecting into a cylindrical casing whose

side walls have a plurality of spaced longitudinal slots disposed therein between the forward and rear ends thereof, bearings for said extension at both ends thereof, a quick acting screw-thread on portion of said extension, a nut threadably connected to said portion and reciprocable thereon, cushioning means at the rear of said casing, a compressible coil spring between said nut and said cushioning means, a hub loosely mounted on said extension with a plurality of spaced radially disposed recesses in the rear portion thereof, a plurality of spaced radially disposed lugs on the forward face of said nut adapted when said nut is contiguous to said hub to engage with said recesses, a plurality of spaced radially disposed lugs on the periphery of said nut adapted to engage with the longitudinal slots in said casing, an annular collar secured to said casing at the forward end thereof and surrounding said hub and shaft, the internal face of said collar having a plurality of spaced ratchet teeth therein, a plurality of spaced spring loaded pawls disposed in the periphery of said hub adapted to engage with said ratchet teeth, a driven shaft rotatably associated with said casing, and a member of clutch connectable means slidable on said extension and engageable with a co-operable member on the forward face of said collar, the said drive transmission means being adapted on forward drive of the vehicle to allow said nut to compress the said spring until the torque of said driven shaft is overcome when said drive shaft, casing and driven shaft will rotate together and said means being also adapted upon cooperative action of said clutch members for reverse drive of the vehicle the said drive shaft will be directly coupled to said driven shaft through the said drive shaft and casing being locked together.

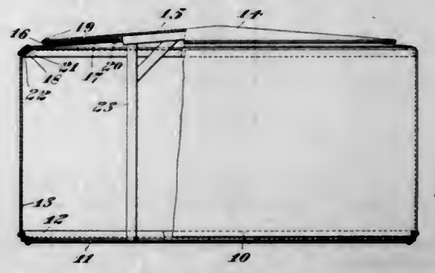


2,135,723
METHOD OF MAKING HINGES FOR DOORS AND THE LIKE
Eric Sydney McCallum, Hurstville, New South Wales, Australia
Application October 7, 1936, Serial No. 104,444
In Australia June 24, 1936
1 Claim. (Cl. 29—11)



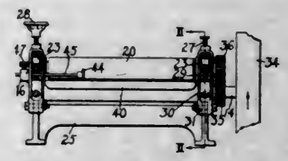
In the manufacture of butt hinges, stamping out, at one operation, the two wings of the hinge and the tongues from which the eyes are formed, and simultaneously therewith impressing the surface of the tongues with shallow recesses, and punching holes through the tongues whereby when the eyes are formed, shallow receptacles for lubricant are produced and the holes led thereinto.

2,135,724
STORAGE TANK
Bruce P. McDaniel and Hiram E. Gingrich, Bethlehem, Pa., assignors to McClintic-Marshall Corporation, a corporation of Pennsylvania
Application April 6, 1935, Serial No. 14,992
6 Claims. (Cl. 220—1)



1. A storage tank comprising a tank body, a roof supporting structure, a rolled steel plate roof normally sustained by said roof supporting structure, and a metallic bellows connecting leak-tight the said tank body to said roof, said metallic bellows comprising a plurality of rolled steel plate rings connected circumferentially alternately at their inner and outer peripheries the said plate rings being unitary in structure and normally in close stacked relationship with said roof.

2,135,725
FLEXIBLE SOLE
Frank R. Merritt, Haverhill, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application September 5, 1935, Serial No. 39,316
1 Claim. (Cl. 36—25)



A sole, one surface of which is provided with relatively long individual linear gashes in side-by-side relation and with rows of relatively short individual linear gashes between and in angular relation to said long gashes, each of said short gashes extending close to but terminating short of the long gashes between which the short gashes lie to leave passages of unbroken continuity connecting the areas included between the short gashes.

2,135,726
GASEOUS ELECTRIC DISCHARGE LAMP
John H. Mitchell, Rugby, England, assignor to General Electric Company, a corporation of New York
Application November 8, 1934, Serial No. 752,136
In Great Britain November 8, 1933
1 Claim. (Cl. 176—2)

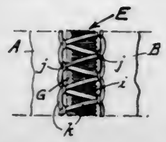
The method of introducing a quantity of amalgam into a lamp container which consists in

forming said amalgam into a wire of smaller diameter than the exhaust tube of said container



and passing said wire through said tube into said container.

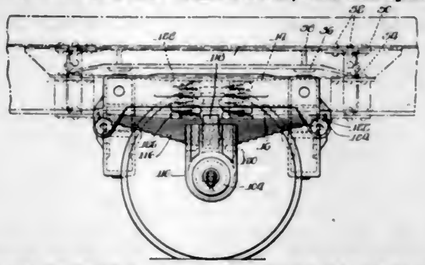
2,135,727
SWEATER
Nathan Neuman, Philadelphia, Pa.
Application October 26, 1937, Serial No. 170,994
2 Claims. (Cl. 2—90)



1. A sweater comprising front and back members forming a body and a neck and arm openings in the body, the front and back members being secured together by seams extending from the neck opening to the arm openings, said seams comprising respectively a line of stitching securing the free edge portions of the front and back members together in superimposed relation along a line spaced from the edges of said members, a resilient member extending the length of said seam and secured by said line of stitching adjacent one of its edges to one of said members said stitching extending over the free edges of said members and of said resilient member, lines of stitching in said front and back members, respectively, and extending the length of said seam in substantial parallelism with said first mentioned line of stitching and a thread extending back and forth over the free edges of said members and looped into said last mentioned lines of stitching.

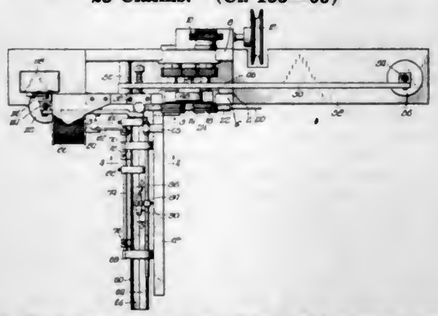
2,135,728
TRUCK
Alfred H. Oelkers, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application April 18, 1934, Serial No. 721,099
36 Claims. (Cl. 105—157)

2. In a truck, the combination of a truck frame including a side frame and connecting spaced bolsters, a wheel and axle assembly between said bolsters, spaced seats on said wheel and axle assembly, seats on said side frame on each side of said wheel and axle assembly, a semi-elliptic leaf spring engaging said seats, intermediate seats on said side frame in substantially vertical alignment with said first named seats, and coil springs



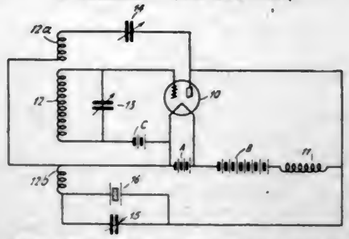
seated on said intermediate seats and engaging said leaf spring.

2,135,729
WIRE COILING MACHINE
Albert M. Olgay, Elmwood Park, Ill., assignor to The Lakeside Central Company, Chicago, Ill., a corporation of Illinois
Application April 7, 1937, Serial No. 135,422
23 Claims. (Cl. 153—65)



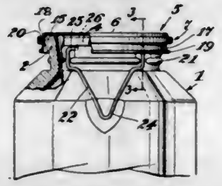
1. In a wire coiling machine, the combination of means for forming a coil from wire fed into said machine, means for cutting lengths of coil formed by said means, coil receiving means including a movable member, an electrical circuit for control of the operation of said means for forming lengths of coil, and an electrical circuit including electrical means for moving said member for discharging said coil from said machine.

2,135,730
CRYSTAL CONTROLLED OSCILLATION GENERATOR
Harold Olaf Peterson, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 13, 1933, Serial No. 702,136
Renewed January 6, 1937
8 Claims. (Cl. 250—36)



8. A high frequency oscillation generator comprising a balanced bridge arrangement having four arms, two of said arms comprising inductance coils directly connected together, and the other two of said arms comprising capacitors directly connected together and to said coils, a vacuum tube having input electrodes coupled to said coils, and output electrodes connected to the junction point of said capacitors, and a piezoelectric crystal connected in shunt with one of said capacitors for unbalancing said bridge arrangement.

2,135,731
CLOSURE CAP AND PACKAGE
Abraham Podel, New York, N. Y., assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y., a corporation of New York
Application February 7, 1936, Serial No. 62,771
5 Claims. (Cl. 215—46)



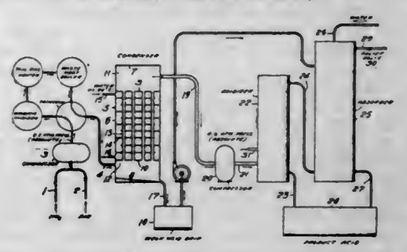
2. A sealed package comprising, in combination, a container having a sealing zone at the side wall thereof, and a closure cap having a cover portion and a depending skirt, said skirt being provided with an outwardly extending gasket retaining groove spaced from the cover portion, a gasket in said groove, said groove having an upper and lower shelf compressing the gasket to force the gasket against the sealing zone and the inner edges of said shelves being out of contact with said sealing zone, said skirt having a downwardly depending portion adjacent and below the lower shelf of said groove adapted to be forced outwardly and upwardly to move said lower shelf downwardly and outwardly to relieve compression of said gasket and facilitate removing said closure cap from said container, and a cap removing member pivotally mounted on said container below the sealing zone and adjacent the lower edge of said depending portion and being adapted upon outward and upward movement to engage said depending portion to force it upwardly and slightly outwardly to effect easy removal of said cap.

2,135,732
DEVICE FOR PRODUCING VISIBLE LIGHT
John Turton Randall and John Walter Ryde, Middlesex, England, assignors to General Electric Company, a corporation of New York
Application July 23, 1936, Serial No. 92,226
In Great Britain July 30, 1935
2 Claims. (Cl. 176—122)



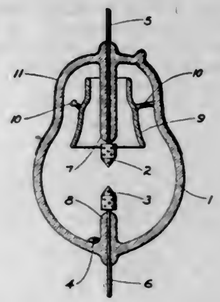
1. A gaseous electric discharge device comprising a container, electrodes sealed therein, a gaseous atmosphere therein, a comparatively thick coating of fluorescent material on part of the inner surface of said container and a comparatively thin coating of a different fluorescent material on the other part of said inner surface, said thick fluorescent coating being restricted in area to present the absorption by said thick coating of the light emitted thereby.

2,135,733
NITRIC ACID MANUFACTURE
Ralph S. Richardson, Scarsdale, N. Y., assignor to Chemical Construction Corporation, a corporation of Delaware
Application August 29, 1934, Serial No. 741,984
6 Claims. (Cl. 23—162)



1. A process of producing nitric acid which comprises compressing ammonia and oxygen containing gases to pressures substantially above atmospheric but not substantially greater than 45 pounds per square inch absolute, bringing about oxidation in the gases at these pressures to produce gases containing nitric oxide, and both oxidizing said nitric oxide to higher oxides of nitrogen and absorbing said oxides of nitrogen from the reacted gases in an aqueous absorbing medium under pressures substantially greater than those employed in the oxidation step.

2,135,734
GASEOUS ELECTRIC DISCHARGE DEVICE
Robert Rompe, Berlin, and Wolfgang Thouret, Berlin-Wilmersdorf, Germany, assignors to General Electric Company, a corporation of New York
Application September 13, 1937, Serial No. 163,700
In Germany September 15, 1936
1 Claim. (Cl. 176—122)



A gaseous electric discharge lamp device of the high vapor pressure type consisting of a vitreous container, thermionic, activated electrodes and electrode leads sealed therein, a starting gas and a quantity of mercury therein the vapor of which is luminosity producing during the operation of said device, said container consisting of a tubular neck part and a spherical part, the longitudinal axis of said tubular part when prolonged passing through said spherical part, one of said electrode leads being sealed into the tubular part of said container, the other of said leads being sealed into the spherical part of said container, said leads being immovably mounted in the same straight line coincident with the longitudinal axis of the tubular container part, said leads

terminating in the spherical part of said container, each of said leads having one of said electrodes mounted thereon, the discharge path between said electrodes being in the longitudinal axis of the tubular container part, the distance between said electrodes being less than the diameter of the spherical part of said container, a bell shaped open-ended baffle mounted in and affixed to the tubular part of said container and surrounding the current therein with the longitudinal axis thereof coincident with the longitudinal axis of the tubular container part, the larger end of said baffle being above the discharge path between said electrodes, the smaller end of said baffle being separated an appreciable distance from the closed end of the tubular container part, said baffle intercepting the sputtered particles of light absorbing material from said electrodes, and a heat reflecting metal coating on the outer surface of the tubular container part to maintain said tubular container part at as high a temperature as the spherical part of said container during the operation of said device.

2,135,735

INK COMPOSITIONS

Emil Schwabe, Buenos Aires, Argentina, assignor to American Hyalsol Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 26, 1932, Serial No. 639,739. In Germany November 3, 1931

11 Claims. (Cl. 134—28)

4. In a waxy ink composition for carbon papers, typewriter ribbons and other duplicating media, a higher molecular aliphatic alcohol having at least 12 carbon atoms in a sufficient amount to permit a high proportion of color value and to impart a plasticizing effect to the composition, said composition containing a dye soluble in said alcohol compound.

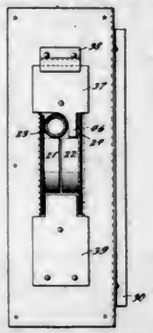
2,135,736

HOSE HANDLING AND STORING APPARATUS

George F. Stewart, Scotia, N. Y.

Application January 7, 1938, Serial No. 183,743

10 Claims. (Cl. 242—86)



4. A hose conveyor mechanism comprising an elongated retainer plate adapted for securement in an opening of a building structure, said retainer plate having a slot extending vertically therein, a pair of flanges extending from the sides of the slot rearwardly of the plate, and a pair of co-axially disposed shafts mounted upon said flanges and carrying a pair of co-axial rollers mounted upon ball-bearings so as to revolve, when conveying a length of hose independently of each other.

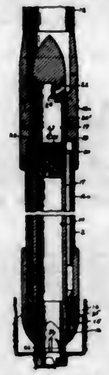
2,135,737

CORE DRILL

John C. Stokes, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas.

Application April 15, 1933, Serial No. 666,265

3 Claims. (Cl. 255—72)



1. The combination with a drill stem comprising pipe sections connected together by tool joints the internal diameter of which is less than the internal diameter of said pipe sections, and a bit secured to the lower end of said drill stem and having a central bore, of a core barrel movable downwardly in said drill stem and into a core receiving position in the bore of said bit; said core barrel having a boring tool on its lower end extending below said bit when said core barrel is in said position; means to hold said core barrel in said position; said means being rendered active and inactive by rotation of said drill stem; said core barrel being of a length greater than the distance between said tool joints and of a diameter to snugly fit in said tool joints; said core barrel having a core receiving chamber and a fluid chamber above and separated from said core receiving chamber; a port connecting said core receiving chamber and the interior of said drill stem at a point adjacent the upper end of said core receiving chamber; a relief valve in said port to permit the escape of fluid from said core receiving chamber into said drill stem and to prevent the entrance of fluid from said drill stem into said core receiving chamber; a pair of vertically spaced ports connecting said fluid chamber and the interior of said drill stem; means to seal the space between said core barrel and said drill stem when said core barrel is in said position, at a point between said vertically spaced ports; and a fluid valve in one of said vertically spaced ports to permit the passage of fluid from the interior of said drill stem above said core barrel through said bit and to prevent the passage of fluid from said bit to the interior of said drill stem above said core barrel; so that fluid may be pumped downwardly through said drill stem and bit during drilling operations, and said core barrel may be pumped upwardly through said drill stem.

2,135,738

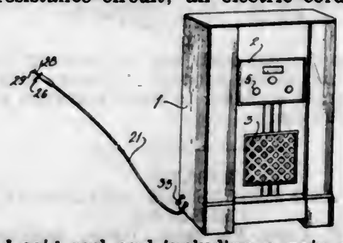
REMOTE VOLUME CONTROL DEVICE FOR RADIO RECEIVING SETS

Harry K. Todd, Tacoma, Wash.

Application March 5, 1937, Serial No. 129,196

2 Claims. (Cl. 250—20)

2. In combination, a radio cabinet; a radio set arranged therein; a speaker arranged within the cabinet; a speaker circuit connecting said radio set to said speaker; a resistance circuit interposed in said speaker circuit; a take-up reel rotatably supported by the cabinet; a pair of contact rings carried by said reel; brushes electrically bearing upon said rings and electrically associated with said resistance circuit; an electric cord wound



around said reel and including a pair of wires, each electrically connected respectively to said contact rings; contact clips connected to the ends of said wires and acting to establish an electrical connection between the latter; and a manually operated element for controlling the action of said clips for the purpose set forth.

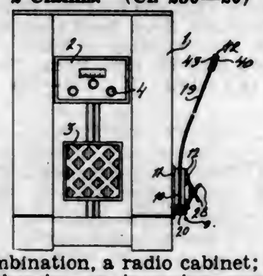
2,135,739

REMOTE VOLUME CONTROL DEVICE FOR RADIO RECEIVING SETS

Harry K. Todd, Tacoma, Wash.

Application August 27, 1937, Serial No. 161,219

2 Claims. (Cl. 250—20)



1. In combination, a radio cabinet; a radio set arranged therein; an incoming current supply circuit for said radio set; a resistance element arranged in one of the conductors of said circuit; a take-up reel rotatably supported by the cabinet; a pair of contact rings carried by said reel; brushes electrically bearing upon said rings; leads connecting said brushes to one of the conductors of said circuit to opposite sides of said resistance element; an electric cord wound around said reel and including a pair of wires each electrically connected respectively to said contact rings; clips connected to the ends of said wires and normally engaging each other; and a manually operated element for separating said clips for the purpose set forth.

2,135,740

SERRATED WAVE FORM GENERATOR

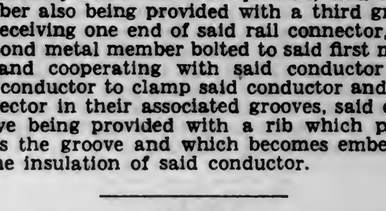
Rudolf Urtel, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application December 20, 1935, Serial No. 55,494

In Germany December 20, 1934

7 Claims. (Cl. 250—36)

1. An oscillator for producing a serrated wave form comprising a multi-grid vacuum tube containing cathode, a plurality of grid electrodes and an anode, inductive means connected in an anode-cathode circuit of said tube, variable attenuating means joined in parallel to said inductance, means for biasing one of said grids of the tube positively with respect to the cathode thereof, a second inductive means connected between another of the



grids of said tube and the cathode thereof and coupled to the aforementioned inductive means in the anode circuit of the tube, and variable attenuating means joined in parallel to the grid circuit inductive means.

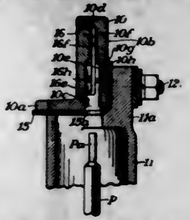
2,135,741

RAILWAY BOOTLEG

Herbert L. Bone, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application February 4, 1936, Serial No. 62,328

10 Claims. (Cl. 247—1)



1. A bootleg for connecting an insulated electrical conductor with a rail connector comprising a housing projecting upwardly from the ground and enclosing the conductor, said conductor having a portion of the insulation removed from its upper end, a metal member secured to but insulated from said housing and provided with two adjoining axially aligned substantially semicircular grooves one for receiving the bare portion of said conductor and the other for receiving the insulated portion of the conductor immediately below the bare portion, said metal member also being provided with a third groove for receiving one end of said rail connector, and a second metal member bolted to said first member and cooperating with said conductor and said conductor to clamp said conductor and said connector in their associated grooves, said other groove being provided with a rib which partly closes the groove and which becomes embedded in the insulation of said conductor.

2,135,742

REVERSED CYCLE HEATING SYSTEM

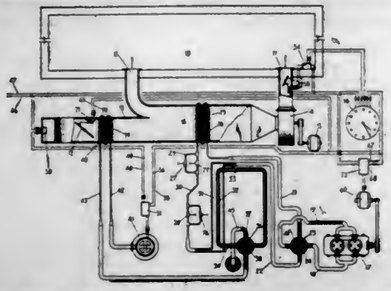
Kemper P. Brace and Robert B. P. Crawford, Washington, D. C.

Application April 27, 1935, Serial No. 18,685

6 Claims. (Cl. 257—3)

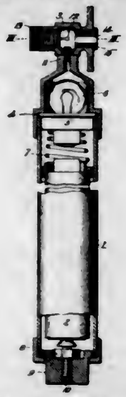
6. A heating system for a room comprising a compressor, a condenser and an evaporator, means for causing the air from the room to be heated to pass over the condenser to condense the refrigerating gas delivered thereto by the compressor and to warm the air, means for supplying atmospheric air to said room and for causing it to pass over said condenser prior to its entry into the room and a pump for circulating

water in heat exchange relation with the atmospheric air entering the room whereby some of the



heat from the water is imparted to the incoming air prior to contact of said air with the said condenser.

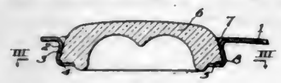
2,135,743
OPTICAL INSTRUMENT
Isaac N. Cassity, Topeka, Kans.
Application March 23, 1936, Serial No. 70,368
2 Claims. (Cl. 88—20)



1. A device of the character described comprising a handle member, a light absorbing casing carried by said handle member, said casing being closed at one end and having a sight opening at its other end, one wall of the casing having a pin-hole opening into the handle member at right angles to the sight opening, a small convex reflector mounted within the casing in alignment with the sight opening and with the pin-hole opening, and an illumination source in the handle in alignment with the pin-hole opening for illuminating the reflector.

2,135,744
PERCOLATOR COVER
Edward S. Cisco, New Kensington, Pa., assignor to The Aluminum Cooking Utensil Company, New Kensington, Pa., a corporation of Pennsylvania
Application August 8, 1936, Serial No. 94,966
10 Claims. (Cl. 53—3)

1. In combination, a percolator cover having an opening therein, a flange attached to said cover circumferentially of said opening and inclined outwardly from the axis of said opening for at least a portion of its length, a top having one end of relatively small diameter adapted to be at least partially inserted through said flange and having a portion adjacent its other end of relatively larger diameter and a surface adapted to cooperate with the inclined portion of the flange to arrest forward movement

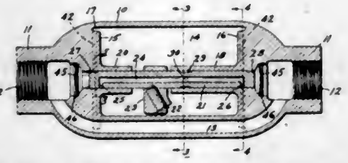


of the top therethrough, and an inwardly turned edge on said flange adapted to engage said portion of larger diameter to resist rearward movement of the top.

2,135,745
GLUE AND PROCESS OF MANUFACTURE THEREFOR
Charles N. Cone, Portland, Oreg., assignor to M and M Plywood Corporation, Portland, Oreg., a corporation of Oregon
No Drawing. Application August 15, 1934, Serial No. 739,862
14 Claims. (Cl. 134—23.8)

12. A glue comprising the reaction product of cottonseed flour in major proportion, water soluble blood albumin, sodium metasilicate, and hydrated lime in an amount less than the amount of lime chemically equivalent to the sodium metasilicate.

2,135,746
LUBRICATOR
John C. Curtis, Garfield Heights, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio
Application May 21, 1936, Serial No. 81,051
13 Claims. (Cl. 184—55)

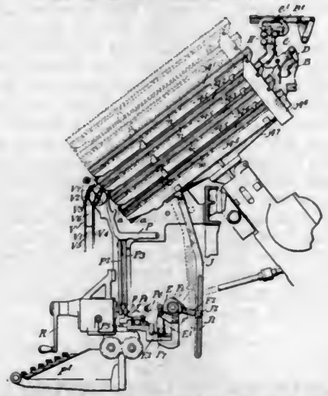


13. In a lubricator, a housing having a reservoir with lubricant stored therein and a pressure fluid conveying passage, means for conveying lubricant from said reservoir to said passage during the flow of the pressure fluid through the latter including a rotatable shaft longitudinally disposed within said housing having pressure fluid supply and lubricant conveying passages communicating with said reservoir, and means including ports within the wall of said casing affording the outlet end of said pressure fluid supply passages to remain located above and the inlet end of said lubricant conveying passages to remain located below the level of the lubricant within said reservoir in any supported position of the lubricator.

2,135,747
SULPHUR CEMENT
Werner W. Duecker, Pittsburgh, Pa., assignor to Texas Gulf Sulphur Company, a corporation of Texas
No Drawing. Application June 27, 1935, Serial No. 28,671
1 Claim. (Cl. 106—24)

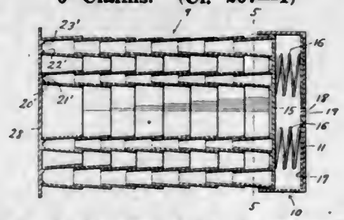
A cement including a body of aggregate compounded with a body of sulphur that carries in solution an olefine polysulphide such solution being a 1 to 5% solution of the polysulphide in the sulphur.

2,135,748
TYPOGRAPHICAL COMPOSING MACHINE
Frank C. Frolander, Elizabeth, N. J., assignor to Mergenthaler Linotype Company, a corporation of New York
Application January 22, 1938, Serial No. 186,352
20 Claims. (Cl. 199—16)



1. A typographical composing machine adapted to be equipped with a plurality of differently channeled magazines capable of being grouped in various relative positions and including, in combination, means for rendering any selected magazine operative for the release of matrices therefrom, key-controlled mechanism for releasing the matrices from the magazines for composition and including two trains of connections selectively operable according to the channeling in the magazines, and means adjustable in accordance with the grouping of the magazines for automatically selecting the appropriate train of connections for use with the operative magazine.

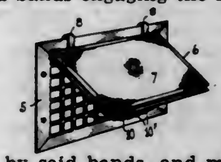
2,135,749
SHOCK ABSORBER
Anthony Gullo, San Jose, Calif.
Application January 28, 1937, Serial No. 122,857
6 Claims. (Cl. 267—1)



1. A shock absorber of the character described comprising a series of groups of tapered cylinders, the cylinders of each group being substantially concentrically spaced from each other and oppositely tapered, the smaller ends of some of the cylinders being partially telescoped into the larger ends of some of the cylinders of the adjacent groups, some of said cylinders having longitudinal weakened areas permitting them to split therealong and expand under pressure exerted axially with respect to the groups of cylinders.

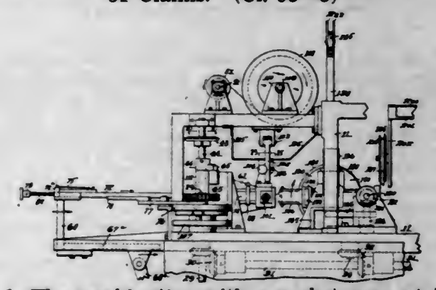
2,135,750
AIR FILTER FOR WALL REGISTERS
Margaret Harding, Omaha, Nebr.
Application March 11, 1938, Serial No. 195,328
2 Claims. (Cl. 98—108)

2. In a dust-filter for a wall-register, a rectangular frame adapted to be disposed at the front of the wall-register comprising a band provided with a rugose element, a second band on the first named band, a foraminous web disposed between said bands engaging the rugose element



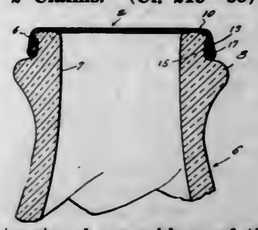
and carried by said bands, and means pivotally mounted on the first named band arranged to maintain the frame at a selected inclination relative to said wall-register.

2,135,751
MACHINE FOR PACKAGING TOOTH BRUSHES
Edward F. Harmon, Flushing, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application December 13, 1935, Serial No. 54,301
31 Claims. (Cl. 93—3)



1. The combination with a pocket open at the end, of a sliding bar movable into said pocket, a former through which the sliding bar moves for folding a piece of sheet material into the form of an empty envelope or package around the end of the sliding bar, and pneumatic means for holding the envelope by the bottom outside surface thereof and preventing removal from the pocket by the removal of the sliding bar.

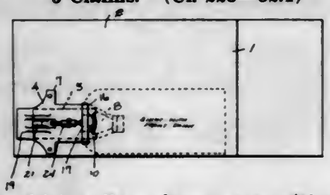
2,135,752
CONTAINER AND CLOSING CAP THEREFOR
John Nelson Jones, Himrod, N. Y.
Application November 24, 1936, Serial No. 112,590
2 Claims. (Cl. 215—38)



1. In a structural assemblage of the class described, a milk bottle including a neck having a smooth internal surfaced portion defining the pouring mouth, said neck being externally formed with an inwardly located, radially outstanding bead constituting a ledge, and being further provided at its outer end with a second outstanding bead, said second-named bead being of a diameter less than the ledge and cooperating with the

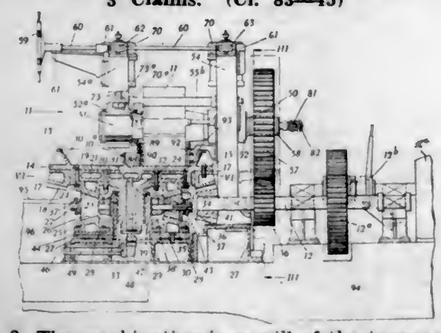
ledge in defining a keeper channel, a hood cap including a disk-like portion and an annular rim portion, said rim portion being of multiple ply thickness and fashioned for reception in said keeper channel, and being possessed of porous absorbent properties whereby when it is moistened it swells and lodges itself firmly in a clamping position in said keeper channel, and a metal ring located in said rim and of a diameter corresponding to the external diameter of said bead, said ring serving to lodge the swollen rim in the keeper channel.

2,135,753
SHIRT COLLAR CLAMP
Edwin B. Jones, Harrisburg, Pa.
Application December 10, 1936, Serial No. 115,258
3 Claims. (Cl. 223—52.1)



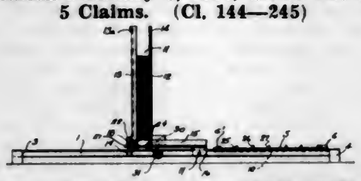
1. A shirt collar clamp, comprising a one piece, flat frame member formed with an upstanding lug at one end and a pair of spaced, opposed upstanding bosses at the other end, a pin formed on the frame adjacent and spaced from the lug, a pair of arms extending out from the side edges of the frame, a shaping block removably mounted on the pin of the frame engaging the lug, a bell crank lever pivoted between the upstanding bosses, a slidable clamping block mounted for movement on the upper surface of the frame, a connection between one arm of the bell-crank lever and the sliding block, a bracket and guide member attached to the frame between the lug and the bosses and slidably engaging the sliding block to guide and support the same, and means extending through the arms of the frame to attach the same to a suitable support.

2,135,754
MASTICATING MILL
Henry Richard Jones, Litherland, Liverpool, England, assignor of one-half to William Dryden, Preston, England
Application December 14, 1936, Serial No. 115,849
In Great Britain February 20, 1936
3 Claims. (Cl. 83—45)



3. The combination in a mill of the type comprising a pan arranged to rotate about a vertical axis and an edge runner arranged to rotate about a horizontal axis, and means for positively driving both the pan and the edge runner about their axes, of a hollow edge runner, means for circulating a heat transfer medium through said hollow edge runner during rotation thereof, a pan having concentric rows of cavities in its base including an inlet cavity and an outlet cavity both of which are located adjacent the center of the pan, transfer ports between the cavities and arranged to form the cavities into a sinuous passage for the circulation of a heat transfer medium through the base of the pan, the sinuousness of the passage preventing the heat transfer medium being thrown directly to the periphery of the pan by the action of centrifugal force, a hollow vertical axle on the pan, a bearing for said axle, a stuffing box in said hollow axle, a conduit extending through said stuffing box and coaxially located in the hollow axle, and means for connecting the hollow axle and said conduit to a heat transfer medium circulating means, the conduit and the hollow axle communicating with the inlet and outlet cavities in the base of the pan whereby a heat transfer medium can be circulated through the pan during rotation thereof.

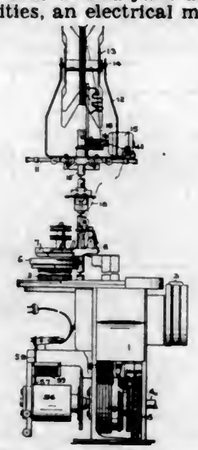
2,135,755
SLAT ASSEMBLING DEVICE
Walter D. Lawshe, Seattle, Wash., assignor to I. F. Laucks, Inc., Seattle, Wash., a corporation of Washington
Application February 8, 1937, Serial No. 124,589
5 Claims. (Cl. 144—245)



1. In combination, a horizontal guideway, a hopper supporting frame overlying the guideway and pivotally attached at one end to the guideway to permit the opposite end to be lifted from the plane of the guideway, a hopper mounted on the movable end of the frame with its lower end transversely overlying the guideway; said hopper being designed for the support of a stack of slats therein and having a lateral outlet at its lower end, an assembly table mounted for travel along the guideway and adapted to pass beneath the hopper, extractor studs arranged on the table whereby slats will be successively extracted from the hopper outlet and deposited on the table in alinement against said studs; said hopper frame having lifting members against which the table top engages as the table is advanced beneath the hopper, thereby to lift the hopper to a definite spacing relative to the table top.

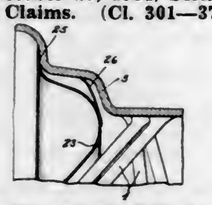
2,135,756
YARN FEEDING MEANS FOR KNITTING MACHINES
Robert H. Lawson, Pawtucket, Isaac H. C. Green, Central Falls, and William L. Smith, Jr., Pawtucket, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application April 8, 1936, Serial No. 73,326
In Canada October 11, 1935
14 Claims. (Cl. 66—132)

1. In a knitting machine of the type described, the combination of a supply of knitting yarn, instrumentalities for knitting said yarn into a fabric, yarn furnishing means interposed between said supply and instrumentalities for drawing yarn from the supply and advancing it to the instrumentalities at a rate in accordance with the amounts of said yarn demanded by the instrumentalities, an electrical motor for driving



said furnishing means and a switch operable at intervals to stop and start said motor for regulating the amount of yarn drawn and fed by the furnishing means.

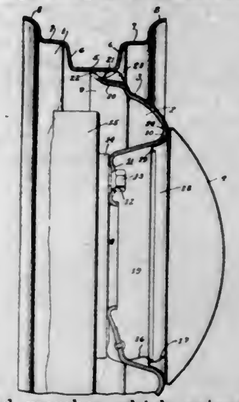
2,135,757
WHEEL DISK CONSTRUCTION
George Albert Lyon, Detroit, Mich.
Application October 29, 1934, Serial No. 750,411
3 Claims. (Cl. 301—37)



1. With a vehicle wheel of the type having rim and body parts, the body part including a hub having an outer end portion of gradually increasing diameter as it approaches the forward edge of said hub, an ornamental member for disposition over the outer face of said wheel extending generally radially outwardly and axially inwardly from said outer end portion, and a plurality of forwardly and radially inwardly inclined teeth secured to said member at points spaced radially outwardly from said outer end portion of said hub for making a biting engagement with said end portion of said hub.

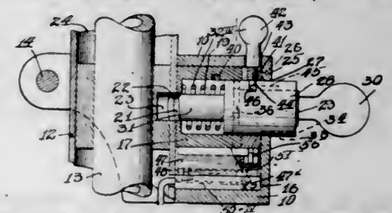
2,135,758
WHEEL CONSTRUCTION
George Albert Lyon, Allenhurst, N. J.
Application July 16, 1936, Serial No. 90,903
8 Claims. (Cl. 301—37)

1. In a wheel assembly, the combination comprising a drop center rim having a base flange, a wheel body part having an axial inwardly extending flange secured at a plurality of circumferentially spaced points to said base flange, said axial flange being depressed radially inwardly between said spaced points to define a series of chambers which are open at their axial ends only, an ornamental member disposed in intimate contact over the outer surface of said body part and over a substantial portion of the depressed portions of said axial flange, and a plurality of tangs integral with the outer marginal



edge of said member which extend into biting engagement with a wall of said chambers.

2,135,759
AUTOMOBILE LOCK STRUCTURE
Alexander C. Mabee, Villa Park, Ill., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application June 3, 1936, Serial No. 83,181
1 Claim. (Cl. 70—252)

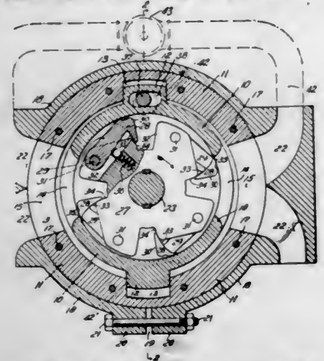


In a two-stage lock structure for locking the steering and the ignition of automotive vehicles, a first locking means comprising an axially shiftable and non-rotatable elongated lock casing provided with a lock bolt secured thereto, spring means tending to shift said casing axially for unlocking of the steering by said bolt, holding means controlled from within said lock casing for normally holding said bolt for locking of the steering, a switch actuating element arranged axially immovable but rotatable in a direction concentric to the longitudinal axis of said casing, means on said casing operable upon axial movement of said casing relative to said switch actuating element to lock said switch actuating element against rotation when said steering is locked and to permit rotation of said switch actuating element when the steering is unlocked.

2,135,760
ROTARY ENGINE AND PUMP
Raymond John Francis Moore, Oakleigh, Australia
Application September 14, 1935, Serial No. 40,646
In Australia September 15, 1934
11 Claims. (Cl. 103—140)

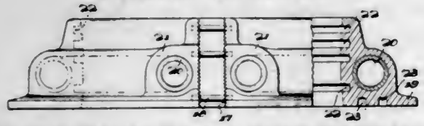
1. A rotary engine or pump having a substantially cylindrical chamber, the inner peripheral surface of which constitutes a smooth continuous curve, said cylindrical chamber having spaced inlet and discharge ports communicating therewith, a rotor arranged eccentrically within the

chamber and having its entire peripheral surface disposed out of sealing contact with the inner periphery of said cylindrical chamber, a plurality of transversely arranged blade members pivotally supported on the rotor adjacent its periphery, a headpiece at the free end of each blade member, each said headpiece extending approximately radially of the rotor and being receivable in a coacting pocket in the periphery thereof, the inner face of each headpiece, with respect to the pivotal axis thereof, being disposed in constant



sealing relationship with a coacting face on the rotor, said coacting face forming one side of the pocket for said headpiece, the entire outer face of each headpiece with respect to the pivotal axis thereof being disposed out of sealing relationship with the rotor at all times, the outer end of each headpiece, with respect to the rotor axis, being disposed in constant sealing engagement with the curved wall of the chamber, at least one blade member being disposed at all times in contact with the cylinder at each side of a line connecting the said inlet and discharge ports.

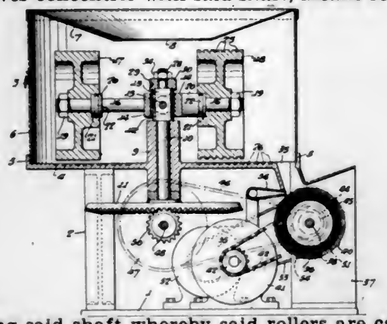
2,135,761
ELECTRODE GLAND
William E. Moore, Pittsburgh, Pa., assignor to Pittsburgh Research Corporation, Pittsburgh, Pa.
Original application November 1, 1934, Serial No. 751,041. Divided and this application August 27, 1937, Serial No. 161,342
8 Claims. (Cl. 13—15)



1. In an electric furnace, an electrode adapted to extend into the furnace, a cooling gland encircling said electrode and permitting axial movement of the electrode therethrough, said gland being split and having its split portions connected by a mass of nonmagnetic material, and a steel cooling pipe cast in the walls of said gland to reinforce the gland and circulate a cooling medium therethrough.

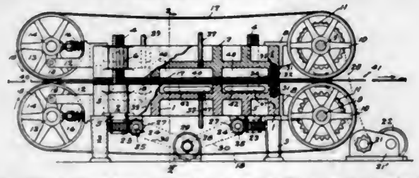
2,135,762
SAND MULLING AND AERATING MACHINE
William H. Nicholls, Roslyn, N. Y.; William H. Nicholls, Jr., administrator of William H. Nicholls, deceased, assignor, by mesne assignments, to Herbert S. Simpson, Chicago, Ill.
Application November 25, 1935, Serial No. 51,540
2 Claims. (Cl. 83—45)

1. A sand mulling machine comprising a stationary mulling basin having a bottom and a side wall or rim, a shaft projecting upwardly through the bottom of said basin, a pair of axles pivotally mounted on said shaft, a mulling roller mounted on each axle, said axles being of different lengths, said bottom being formed with grooves concentric with said shaft, means for ro-



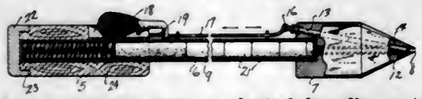
tating said shaft whereby said rollers are caused to travel over the bottom of said basin, whereby sand will be collected and packed within said grooves, said sand acting to maintain a layer of unpacked sand immovable with respect to said packed sand during the operation of said rollers.

2,135,763
ENDLESS TRAVELING PLATEN FLUID PRESSURE PRESS
Frederick A. Nicholson, Seattle, Wash.
Application November 13, 1935, Serial No. 49,547
13 Claims. (Cl. 100—35)



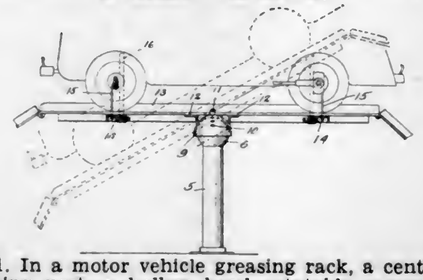
1. In a pressing machine, adjacent traveling belts forming opposing platens, and means forming with said belts fluid pressure enclosing chambers, said means being positioned directly against corresponding opposite areas of the belts.

2,135,764
SOLDERING IRON
Melvin R. Oleson, Visalia, Calif.
Application May 24, 1937, Serial No. 144,517
1 Claim. (Cl. 113—109)



In a soldering iron, a slotted handle, a tube extending therefrom, a head carried by the opposite end of said tube from that engaging said handle, said tube having a solder resistant lining and capable of holding a plurality of solder slugs therein, a spring urged plunger positioned in said tube in the rear of said slugs, an axially disposed passage extending through said head and communicating at the tip thereof with said tube, said passage being lined with a solder resistant material, valve means associated with said head for controlling the flow of solder through said passage from said lined tube, said valve means including a spring pressed rod having a thumb piece slidable in said slotted handle, and an angularly disposed valve plunger of solder resistant material capable of closing the outlet passage at the point of the head of said iron, whereby the slugs arranged in said tube will be automatically forced to the head of the iron and the flow of the molten solder is gauged by the manipulation of said valve.

2,135,765
GREASING RACK
James M. Paine, Harlingen, Tex.
Application March 3, 1937, Serial No. 128,862
3 Claims. (Cl. 214—1)



1. In a motor vehicle greasing rack, a central lifting post, a hollow head rotatably mounted on the upper end of the lifting post, and having lines of openings, formed therein, a pair of track sections, mounted for pivotal movement on the head, transversely disposed bars connecting the track sections, said mounting including a socket member having lines of openings fitted over the hollow head, a pin extended into the openings for holding the socket member and track sections in their positions of adjustment, and said head adapted to rotate on the upper end of the post.

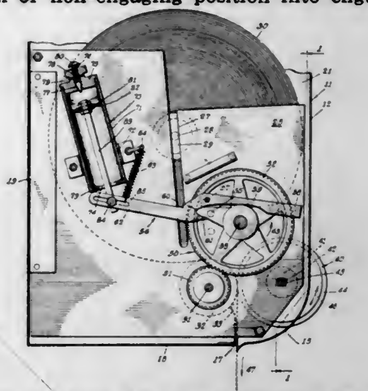
2,135,766
METHOD OF PRODUCING METAL GRILLES
William B. Pierce, Detroit, Mich., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 7, 1935, Serial No. 5,345
3 Claims. (Cl. 29—160)



2. A method of producing metal grille having a base portion and integral blades of varying wall thickness, said method comprising extruding metal from a die in the form of bifurcated parallel blades of varying wall thickness connected by a web, and simultaneously forming securing means on at least one edge of the metal.

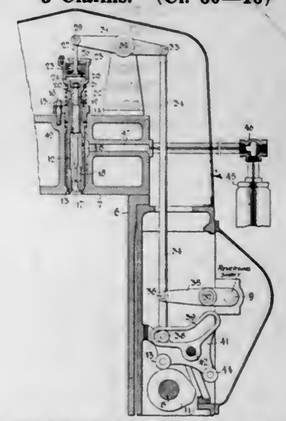
2,135,767
PAPER TOWEL DISPENSER AND TIMER
Laurence L. Price, Los Angeles, and Maurice E. Maltby, Bell, Calif.
Application May 15, 1935, Serial No. 21,566
17 Claims. (Cl. 312—38)

16. A towel dispensing apparatus having means for temporarily stopping the discharge of toweling after a predetermined length thereof has been dispensed, comprising a pivoted lever providing a stop, rotary means rotatable as the toweling is dispensed carrying means engageable with the stop on the lever to stop the further discharge of toweling, means urging the lever into a normal position wherein its stop is in non-engaging position, means operable by the rotary means for turning the lever about its pivot from normal or non-engaging position into engaging



position, and time-delay means for retarding the return of the lever to its normal position.

2,135,768
STARTING GEAR FOR INTERNAL COMBUSTION ENGINES
George E. Ramstad, Milwaukee, Wis., assignor to Nordberg Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application July 6, 1936, Serial No. 89,173
3 Claims. (Cl. 60—16)



1. The combination of an internal combustion engine, including a working space, a cam shaft, and a reversing member shiftable between forward and reverse settings; a starting cam on said shaft; a rocker having two cam followers, one for each direction of starting, said followers being brought selectively into coactive relation with said cam by reverse tilting of said rocker; a normally closed valve for admitting starting air to said working space; driving connections between said rocker and said valve, said connections being displaceable between two positions, in which respectively they are conditioned to tilt the rocker reversely; connections through which the reversing member according to its setting, sets said driving connections selectively in said two positions; a shiftable element associated with said driving connections and having a normal position in which said connections irrespective of their position, set said rocker in an intermediate inactive position, and a starting position in which said connections tilt said rocker

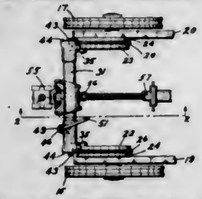
in one or the other direction as determined by the position of the reversing member; means biasing said element to said normal position; a motor for shifting said element to the second position; and means arranged to supply air to said starting valve and energize said motor, and alternatively to cut off said supply and de-energize said motor.

2,135,769

DRILLING RIG

John E. Renfer, Cleveland, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio

Application August 26, 1935, Serial No. 37,821
10 Claims. (Cl. 255—51)



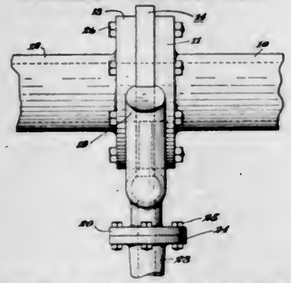
1. In a portable drilling rig, the combination with a substantially horizontal wheel supported carrying frame, stationary tracks carried by said frame in perpendicular relation therewith, a member carried by said tracks independently of said carrying frame for guided movement on said tracks, a drill detachably secured to said member, said tracks extending longitudinally of said carrying frame and from above to below the latter to enable the adjustment of the drill into various drilling positions longitudinally of said frame above or below the latter due to the movement of said member on said tracks, and means for establishing a rigid connection between said member and frame in any drilling position assumed by said drill by virtue of the movement of said member on said tracks.

2,135,770

PIPE SYSTEM

Ernest Guthrie Ritchie, London, England

Application October 27, 1936, Serial No. 107,749
In Great Britain November 8, 1935
4 Claims. (Cl. 285—131)



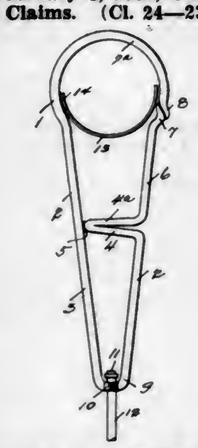
1. A fitting for insertion between the flanges in a pipe line and serving for the inflow or outflow of part of the fluid in the pipe line including a disc of greater external diameter than the flanges and having an inner opening for the main stream, a manifold secured to the outer edge of the disc radially beyond the flanges, said disc being formed with radially extending passages communicating with the interior of said manifold, and means for securing a branch pipe to said manifold radially beyond said flanges.

2,135,771

SNAP HOOK

Frank L. Roof, Greensburg, Pa.

Application February 3, 1938, Serial No. 188,541
5 Claims. (Cl. 24—237)



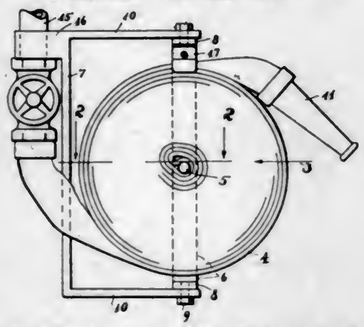
5. A one-piece snap hook construction formed of a length of material having a curved portion at one end forming a hook, two spaced side parts forming the shank, a butt portion between the ends of the side parts, and the terminal end of one part side engaging the end of the curved portion forming the hook to provide a keeper, said latter side having a transversely extending part between its ends and extending across the space between the two sides to a point of engagement with the other side, said transverse part having substantially a narrow V-shaped formation with the legs thereof connected at the end of the part and adapted to resist separation from each other thereby to normally hold the keeper in closed position.

2,135,772

HOSE SUPPORT

Otto Ruehmann, Los Angeles, Calif.

Application March 8, 1937, Serial No. 129,655
3 Claims. (Cl. 242—86)



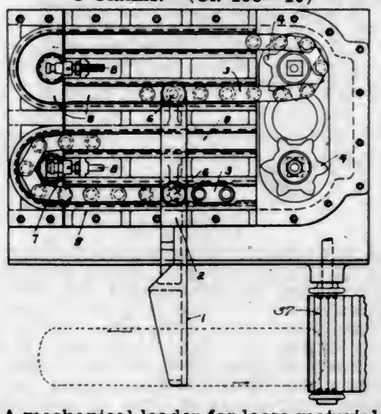
1. In a hose support, a bracket of U-shaped form, concentric pivot means in the shanks of the U-shaped bracket, an eye member on the bracket with an axis parallel to the concentric pivot means, a hose-holding frame also of U-shaped form pivotally mounted in the bracket, concentric pivot means in the shanks of the hose-holding frame adapted to align with the first-named pivot means, and a hose-supporting pin on the base of the U-shaped frame with an axis at right angles to the axis of the pivot-means.

2,135,773

MECHANICAL LOADER FOR LOOSE MATERIALS

John Sheppard, Benton Hill, Horbury, near Wakefield, England, assignor to Richard Sutcliffe Limited, Horbury, near Wakefield, England

Application February 9, 1938, Serial No. 189,694
In Great Britain December 8, 1936
5 Claims. (Cl. 198—10)



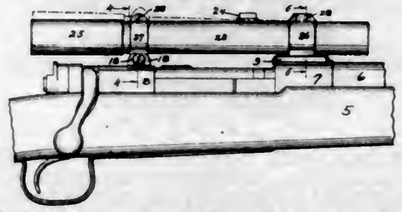
1. A mechanical loader for loose material comprising a support, a pair of endless chains lying in the same plane with runs thereof in parallel relation and mounted on said support, a scraper bar secured to said chains at substantially corresponding points on the respective chains and means to move said chains.

2,135,774

TELESCOPE MOUNTING FOR GUNS

Dennis E. Tilden, Denver, Colo.

Application July 22, 1937, Serial No. 154,949
4 Claims. (Cl. 33—50)



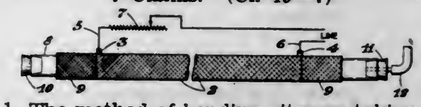
1. A telescope mount for rifles, comprising, in combination, a front base attached to the receiver ring, a rear base attached to the receiver bridge, the rear base having a flat upper surface terminating at both ends in upwardly extending integral lugs having threaded openings for the reception of windage and clamping screws, a telescope having a front clamping ring, the front base and the front clamping ring having means for effecting an interlock when rotated relative to each other, the interlock permitting a limited upward tilting movement of the rear end of the telescope when it is parallel with the barrel, the telescope having a rear clamping ring provided on its lower side with a projection having a flat surface for engaging the flat surface of the rear base and inwardly and upwardly beveled sides for engagement with the windage and the clamping screws, and a windage and a clamping screw in the respective lugs of the rear base, the tilting movement of the telescope permitting the projection on the rear clamping ring to be passed over the lugs.

2,135,775

METHOD OF AND APPARATUS FOR BENDING VITREOUS TUBING

Warren R. Walker, Short Hills, N. J., assignor to General Electric Vapor Lamp Company, Hoboken, N. J., a corporation of New Jersey

Application October 12, 1934, Serial No. 748,133
7 Claims. (Cl. 49—7)



1. The method of bending vitreous tubing and the like which comprises uniformly heating the entire portion to be bent to a temperature at which said tubing is plastic while maintaining atmospheric pressure therewithin, then applying increased pressure within said tubing and bending said tubing to a desired configuration while said increased pressure is maintained at a value which prevents change in the cross-section of said tubing.

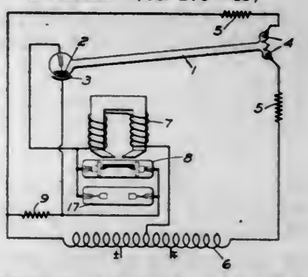
5. In apparatus for bending vitreous tubing and the like, a substantially continuous flexible heater comprising a helix of ribbon shaped resistance material with contiguous turns substantially in contact with each other, the flat face of said ribbon material being exposed on the interior of said heater, whereby a substantially continuous metallic surface is provided against which said tubing can be forced during the bending thereof.

2,135,776

GASEOUS ELECTRIC DISCHARGE DEVICE

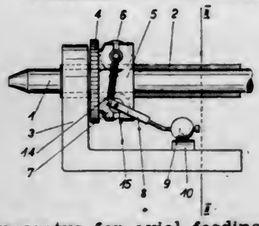
Warren R. Walker, Short Hills, N. J., assignor to General Electric Vapor Lamp Company, Hoboken, N. J., a corporation of New Jersey

Original application December 13, 1932, Serial No. 647,016, now Patent No. 2,076,755, dated April 13, 1937. Divided and this application January 21, 1937, Serial No. 121,504
1 Claim. (Cl. 176—45)



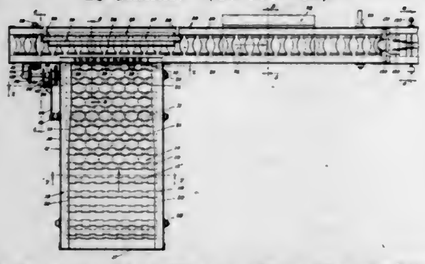
In combination, an electric gaseous discharge device, means to initiate a discharge therein comprising an inductance connected to one of the electrodes of said device, and means to connect said inductance to a source of energy through an evacuated metal to metal contact switch, said switch being responsive to current flow through said inductance to open said circuit and thereby impress a voltage surge on said device, and a spark gap in parallel with said switch, the breakdown potential of said spark gap being considerably in excess of the sparking potential of said switch but below the potential at which an arc-over can occur between the leads to said switch, whereby the surges produced by cooperation of said switch and said inductance are impressed on said device without reduction except when the peak voltage thereof exceeds said breakdown potential.

2,135,777
APPARATUS FOR FEEDING ROD SHAPED BODIES
Felix Werner, Leipzig, Germany, assignor to the firm Körting & Mathiesen Aktiengesellschaft, Leipzig-Leutzsch, Germany
Application June 4, 1937, Serial No. 146,511
In Germany June 6, 1936
4 Claims. (Cl. 176—70)



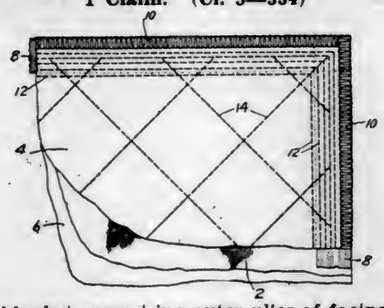
4. In apparatus for axial feeding of an electrode of an arc lamp, an electrode, a rotary sleeve journalled in said apparatus and enclosing a portion of said electrode, means for rotating said sleeve, a toothed wheel so positioned relative to said electrode that the teeth of the wheel successively engage said electrode to move the same axially as said wheel is rotated, a trunnion for said toothed wheel supported by said sleeve and said rotating means, an overrunning clutch connecting said wheel to said trunnion, and means including a cam for rotating said trunnion through a relatively small angle during each revolution of said sleeve.

2,135,778
MULTIPLE EGG FEEDING AND TILTING DEVICE
William C. Wyland, Alhambra, Calif., assignor to J. W. Wyland & Sons, San Gabriel, Calif., a corporation of California
Application July 3, 1935, Serial No. 29,673
15 Claims. (Cl. 198—32)



1. In an egg handling machine, the combination of a multiple row conveyor having chains with slats with egg centering notches secured thereto, the upper run of the conveyor being adapted to support eggs with a row of eggs between adjacent slats, a confining means at opposite sides of the upper run to retain the eggs with their long axes vertical, the said slats being non-rotatable, sprocket wheels guiding the chains at the discharge end from the upper to the lower run of the conveyor causing a tilting of the eggs, a reciprocating pusher plate operatively connected with the conveyor and timed to contact eggs as each slat in succession passes from the upper to the lower run of the conveyor and to positively push the eggs free of the slats and guiding means positioned to engage the upper sides of the eggs to cause the eggs to travel in the direction of their long axes at the moment of being discharged from the conveyor.

2,135,779
BLANKET
Attilio Harold Zayottil, Palmyra, N. J., and Earl Reinert Reber, Philadelphia, Pa.
Application January 3, 1936, Serial No. 57,372
1 Claim. (Cl. 5—334)



A blanket comprising outer plies of facing fabric, an intermediate ply of strong fabric such as canvas or the like, the edges of said plies being substantially aligned, tapes extending along said edges inside the outer plies, non-raveling overseaming binding the edges of the plies and the tapes, closely arranged lines of lock stitches running along the edges and penetrating the plies and tapes, and crisscross lines of lock stitches through the plies throughout the entire blanket, the last lines being relatively closely arranged to prevent substantial spacing of the outer plies from the intermediate one.

2,135,780
LAUNDERING UNIT FOR SILK HOSIERY
Patrick Joseph Murray, Clifton Heights, Pa., assignor to Trisco Products, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application August 29, 1936, Serial No. 98,571
5 Claims. (Cl. 68—213)

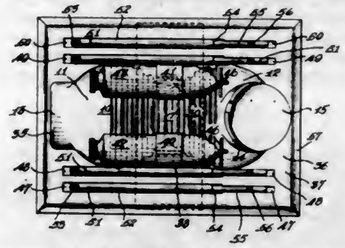


1. A wide mouth flask for washing and finish treating stockings, said flask having spaced compartments and a constricted passage between the compartments and a closure for the flask, the walls of both compartments being provided with wash-board surfaces.

2,135,781
DRYING UNIT
Patrick Joseph Murray, Clifton Heights, Pa., assignor to Trisco Products, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Original application August 29, 1936, Serial No. 98,571. Divided and this application May 28, 1937, Serial No. 145,224
5 Claims. (Cl. 223—77)

1. A device for drying stockings comprising a base and a stocking form of bent wire whose ends are adjustably united in a tubular fitting at the leg portion of the form, supported on the base, the base consisting of a plate having a slit into which the lower end of the form including the fitting is received, with gripping walls secured to the plate to engage the sides of the fitting when it passes through the slit, the slit being longer

than the width of the lower end of the stocking form in minimum adjustment and the tubular



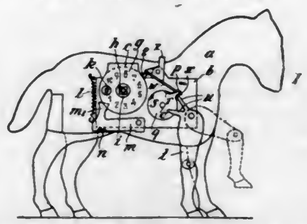
fitting entering the slit, whereby the stocking form is adjustable while supported in the slit.

2,135,782
PIEPAN
Nettie C. McBirney, Tulsa, Okla.
Application October 10, 1936, Serial No. 104,929
7 Claims. (Cl. 53—6)



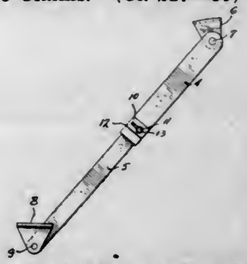
4. A pie pan of the character described comprising a shape retaining circular sheet metal rim adapted to shape and support the side walls of the pie baked in the pan, a circular screen bottom to support the pie and permit air circulation to the bottom thereof, and a sheet metal ring around the periphery of the screen bottom fitting snugly in the bottom of the sheet metal rim, at least one of the last two mentioned parts being curled so as to clinch the edges of the screen bottom.

2,135,783
MECHANICAL TOY IMITATING A CALCULATING HORSE
Carl Arnold, Nuremberg, Germany
Application July 6, 1937, Serial No. 152,251
In Germany June 11, 1937
6 Claims. (Cl. 46—123)



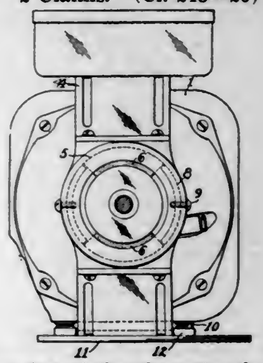
1. A mechanical toy, imitating for example a calculating horse, comprising in combination with the horse figure, a spring motor, an articulated leg of the horse adapted to be moved upwards and lowered, two fingers extending from the upper end of said leg, a driving disc adapted to be rotated from said spring motor, a catch projecting from said disc and adapted to act upon said fingers of the leg, a projection on said disc, a rotatable drum, transverse rods on said drum between which said projection of said disc engages, a tab projecting from said drum, a locking device oscillatably mounted between said drum and said disc adapted to be actuated by said tab of the drum and to stop the spring motor, said disc.

2,135,784
DECK LID SUPPORT
Ludwig A. Bachor, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application December 14, 1936, Serial No. 115,679
5 Claims. (Cl. 217—60)



1. A support for a lid comprising two telescoped struts arranged to slide one along the other during the raising and lowering of the lid, one of said struts having a trackway and the other strut having a guideway extending laterally of the strut, a pin carried by said latter strut shiftable back and forth in said guideway and extending into and arranged to travel along the trackway of the first-mentioned strut, an island carried by the first-mentioned strut about which said trackway extends and around which the pin travels in the raising and lowering of the lid, a cam along the trackway extending diagonally of the strut adjacent one end of the island, a stop at the end of the cam, said cam being arranged to engage the said pin upon raising of the lid and laterally shift the pin from one side of the island to the other into engagement with said stop to arrest further raising of said lid, a second stop positioned opposite the other end of the island arranged to receive the pin upon slight lowering of the lid to hold the lid in raised supported position, said island having a second cam overhanging the said second stop and extending diagonally of the strut, a third stop at the end of said second cam, said second cam adapted to engage said pin upon raising of the lid to laterally shift the same clear of the second stop and direct the pin into said third stop to arrest raising of said lid whereby upon lowering the lid the pin clears the second stop and the struts are free to slide one relative of the other to permit lowering of the lid.

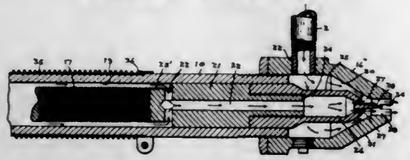
2,135,785
ELECTRIC MOTOR MOUNTING
Edwin C. Ballman, St. Louis, Mo.
Application March 21, 1936, Serial No. 70,088
2 Claims. (Cl. 248—26)



2. In a motor of the character described hav-

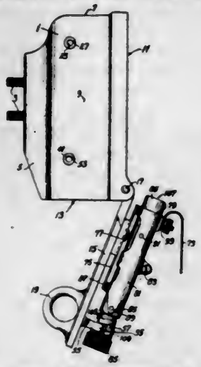
ing a shaft, a motor frame having a pair of trunnions, a support, resilient centering means engaging said support and said trunnions adapted to center said shaft relatively to said support, and spring means between said frame and said support acting non-radially and vertically with respect to said shaft adapted to partially support said frame and absorb the torque reaction thereof.

2,135,786
OIL BURNER CONSTRUCTION
Norman Franklin Bennett, Newmarket, Ontario, Canada
Application February 18, 1935, Serial No. 7,096
9 Claims. (Cl. 299—140)



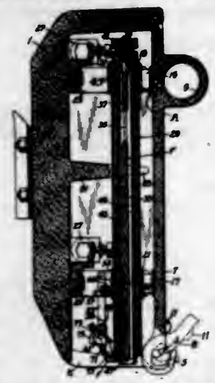
1. An oil burner comprising a stationary nozzle converging to a discharge opening, a rotary nozzle arranged coaxial with said stationary nozzle and discharging oil longitudinally in the direction of the discharge of the stationary nozzle, a paddle-like agitating member extending longitudinally from the end of said rotary nozzle into the convergent discharge end of the stationary nozzle and rotating with said rotary nozzle to engage and break up the oil being discharged from said rotary nozzle, means for feeding oil to said rotary nozzle, and means for directing a blast of air through said stationary nozzle around said rotary nozzle.

2,135,787
ELECTRICAL CUT-OUT
Theodore Birkenmaier, St. Louis, Mo., assignor to W. N. Matthews Corporation, St. Louis, Mo., a corporation of Missouri
Application March 29, 1937, Serial No. 133,565
10 Claims. (Cl. 200—118)



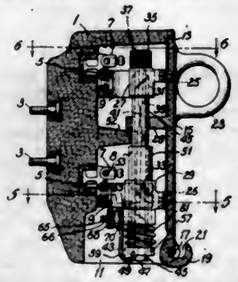
1. In a cut-out, line terminals, a movable support, a fuse carrier on said support comprising a conducting head having means for fastening a fuse, an insulating tube extending from said head, a second insulating tube slidably arranged over said first insulating tube, a pair of spaced conducting members secured to said second tube and extending longitudinally between the respective ends of said tube, contacts secured adjacent each of the respective ends of said conducting members and adapted to contact with said line terminals, resilient contact means between the upper end of one of said conducting members and said conducting head, a fuse within said first-named tube, a dielectric element serially connected with said fuse, said dielectric element and fuse being connected between the end of one of the conducting members and said conducting head.

2,135,788
FUSE
Theodore Birkenmaier, St. Louis, Mo., assignor to W. N. Matthews Corporation, St. Louis, Mo., a corporation of Missouri
Application December 24, 1937, Serial No. 181,535
8 Claims. (Cl. 200—114)



1. In apparatus of the class described, a base, spaced line terminals thereon, a movable member associated with the base, terminal engaging elements on the movable member cooperable with said line terminals, a fuse tube, means for slidably arranging said tube with respect to said terminal engaging elements, the tube being free of any engagement with the line terminals, a fuse link joining said terminal engaging elements and passing through said slidable tube, and means auxiliary to the tube for tensioning said fuse link prior to blowing and to aid in withdrawing the lower portion after the link has blown.

2,135,789
FUSE
Theodore Birkenmaier, St. Louis, Mo., assignor to W. N. Matthews Corporation, St. Louis, Mo., a corporation of Missouri
Application April 7, 1938, Serial No. 200,590
23 Claims. (Cl. 200—114)



1. In apparatus of the class described, a pair of relatively fixed terminal-engaging elements, a contact movable with respect to one of said terminal-engaging elements, a fuse link fastened

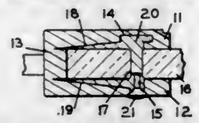
to the contact, said fuse link passing to a connection with one engaging element, means pressing the fuse link between its ends, and expansive means between said contact and said pressing means adapted both to force said pressing means to tension said link and to force said contact against the other terminal-engaging element.

2,135,790
PACKAGE OF MATERIAL
Henry F. Boeger, Beverly Hills, Calif., assignor to Surgident, Ltd., Los Angeles, Calif., a corporation of Delaware
Application July 13, 1936, Serial No. 90,327
6 Claims. (Cl. 206—46)



1. A package of reversible moisture-containing thermoplastic impression material which is semi-rigid when cool and requires heating to render the same fluent for use, comprising: a stick of such impression material; a flexible moisture-impervious envelope enclosing one end and substantially the full length of said stick and projecting beyond the other end thereof; a solid closure member disposed within the projecting portion of said envelope and provided with shoulder means; compression means cooperating with said closure means in position to engage said shoulder means upon axial movement with respect thereto, and said envelope having a portion secured in positive compressive engagement between said compression means and said shoulder means.

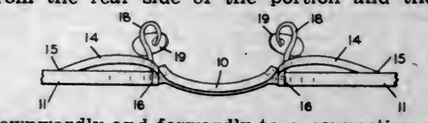
2,135,791
OPHTHALMIC MOUNTING
Samuel E. Bouchard, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application March 27, 1936, Serial No. 71,203
4 Claims. (Cl. 88—47)



4. An ophthalmic mounting comprising a member having two spaced straps positioned, respectively, on opposite sides of a lens having an opening adjacent one edge and a notch in the edge adjacent the opening, anchoring means on each strap opposite the opening, means connecting said straps beyond the edge of the lens, a lug on said connecting means adapted to extend into said notch, a groove in each strap extending from said anchoring means to said lug, a groove in said lug connecting the other two grooves, and an integral mass of fusible material connecting said anchoring means and extending along said grooves.

2,135,792
OPHTHALMIC MOUNTING
Samuel E. Bouchard, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application December 11, 1936, Serial No. 115,379
3 Claims. (Cl. 88—41)

1. An ophthalmic mounting comprising a pair of lens holding devices, each of said devices having a rim portion extending along the upper and nasal edges of a lens held therein, each of said portions having a face which is substantially perpendicular to the plane of the lens and a rear side, a brace member on each portion, each member being secured to and extending rearwardly from the rear side of the portion and thence

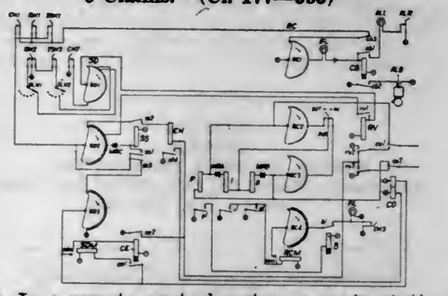


downwardly and forwardly to a connection with the face of the nasal part of said portion, and a bridge having its ends secured, respectively, to said brace members.

2,135,793
PROCESS OF POLYMERIZING OLEFINES AND CATALYST THEREFOR
Lloyd F. Brooke, Berkeley, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 9, 1936, Serial No. 67,921
3 Claims. (Cl. 196—10)

1. The method of preparing a phosphoric acid film-type catalyst for polymerizing normally gaseous olefines which comprises the steps of disposing particles of non-porous inert solid of appropriate dimensions in a catalyst chamber, completely wetting said particles with a weak aqueous phosphoric acid solution containing not substantially in excess of 80% H_3PO_4, causing excess liquid to drain from said particles, and concentrating said acid in place by passing thereover gas containing a partial pressure of water vapor substantially equal to that exerted by 100% to 110% H_3PO_4 at the temperature at which the catalyst is to be employed.

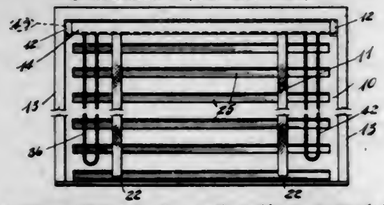
2,135,794
REMOTE CONTROL SYSTEM
George Arthur Burns, Liverpool, England, assignor to Associated Telephone & Telegraph Company, Chicago, Ill., a corporation of Delaware
Application January 18, 1936, Serial No. 59,669
In Great Britain February 13, 1935
6 Claims. (Cl. 177—353)



1. In a remote control system, a main station, a substation, a line circuit extending between said stations, a plurality of two-position devices in said substation, an automatic switch in said substation and operative to select any one of said devices, means responsive to the operation of said switch for transmitting impulses of different polarity over said line circuit, depending upon the position of the device selected by said switch, a pair of relays associated with said line circuit, means whereby one of said relays responds to impulses of one polarity transmitted over said line circuit and the other thereof responds to impulses of a different polarity transmitted over said line circuit, a plurality of keys at said main station, each of said keys corre-

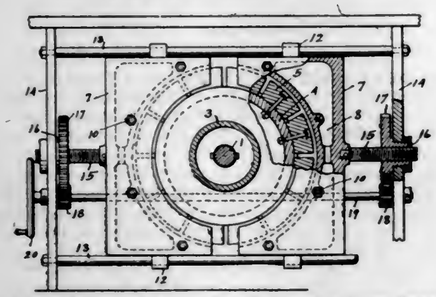
sponding to one of said devices and being operable to either of two positions respectively corresponding to the two positions of the corresponding device, an automatic switch in said main station operated in synchronism with said first-named automatic switch and operative to connect the corresponding key in circuit with said relays when a particular one of said devices is selected, each of said keys including means for rendering said relays inactive when the position of the key fails to correspond to the position of the corresponding one of said devices, means for stopping the operation of said switches when said relays are rendered inactive, a plurality of signal devices individually corresponding to said two-position devices, and means including said signal devices for indicating a disagreement between the position of any selected one of said two position devices and the position of its corresponding key.

2,135,795
VENETIAN BLIND CONSTRUCTION
Fred J. Burns, Saginaw, Mich., assignor to The Columbia Mills, Inc., New York, N. Y., a corporation of New York
Continuation of application Serial No. 104,999, October 10, 1936. This application May 15, 1937, Serial No. 142,904
6 Claims. (Cl. 156—17)



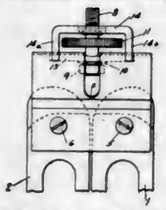
1. A Venetian blind construction comprising a supporting housing, a rotatable element removably journaled therein and provided with enlarged cylindrical sections, a ladder tape having its ends detachably secured to said cylindrical sections, clips provided in said housing, a quickly detachable tilting mechanism engageable with said clips, said tilting mechanism being adapted to actuate said rotatable element, and means for limiting the rotative movement of the rotatable element.

2,135,796
BRAKE
William A. Carnes, Houston, Tex.
Application March 21, 1936, Serial No. 70,085
2 Claims. (Cl. 188—75)



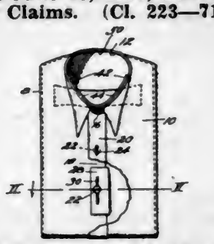
1. Brake mechanism comprising a drum having spaced friction blocks thereon around the drum and formed with outwardly converging friction surfaces, brake segments having inside inwardly diverging arcuate friction faces and shafts connected to the segments, means having threaded connections with the shafts for actuating the shafts to move segments to move the friction faces thereon into and out of braking relation with the friction faces of said blocks.

2,135,797
TRIPOD MOUNTING
David A. Chambers, Portland, Oreg.
Application February 1, 1937, Serial No. 123,452
4 Claims. (Cl. 248—185)



4. A tripod head including an instrument mounting, defined as a horizontal semi-tubular head portion provided with a cross slot and dependent leg attaching means, a rounded member mounted inside the head, an instrument saddle rockably mounted on the top of the head, a bolt member arranged to hold the rounded member and saddle in predetermined frictional engagement with the head, and instrument engaging means on the bolt that are effective to increase the friction between the saddle and the head to substantial rigidity when an instrument is firmly engaged with the bolt.

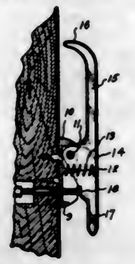
2,135,798
SHIRT BOARD
Elmer F. Cons, Kansas City, Mo.
Application June 15, 1936, Serial No. 85,347
7 Claims. (Cl. 223—71)



1. A shirt board for folded shirts, wherein the outermost edges of the bundle created by folding the shirt circumscribes the bosom portion thereof and the neck band extends outwardly therefrom, comprising a body having an area substantially the same as the area of the bosom portion; a tab integral with said body having an elongated longitudinal slot positioned at the center line of said body; and a neck band-engaging wing integral with said body conforming to the curvature of the neck band, said slotted tab overlying a part of the bosom portion of the shirt to receive one of the buttons thereof when in the operative position.

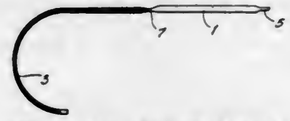
2,135,799
REFRIGERATOR DOOR LATCH
Powel Crosley, Jr., Cincinnati, Ohio, assignor to The Crosley Radio Corporation, Cincinnati, Ohio, a corporation of Ohio
Application April 22, 1936. Serial No. 75,777
1 Claim. (Cl. 292—166)

A latch for refrigerator doors comprising a plunger type latch and a handle therefor having two arms, and a mounting element mounted on said door, the plunger of the latch extending through said door and said mounting element, said handle being pivotally mounted on said mounting element and said plunger abutting the inner portion of said handle to one side of said



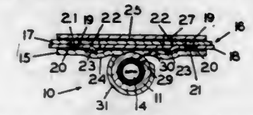
pivot, whereby pulling on one arm of the handle or pushing on the other arm of the handle will operate the latch, spring retaining means on said mounting element and a spring retained thereby and bearing against the inner portion of said handle on the same side of said pivot as said plunger.

2,135,800
FLEXIBLE WIRE
Victor D. Davignon, North Attleboro, Mass., assignor, by mesne assignments, to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Application May 23, 1936, Serial No. 81,471
1 Claim. (Cl. 88—52)



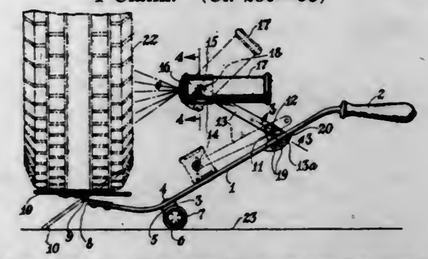
A temple bow for eyeglass frames comprising a straight portion terminated by an ear hook, said bow being made of flexible wire, said flexible wire comprising a core wire, an inner layer of wire wrapped about said core wire in one direction, and an outer layer of wire wrapped about said inner layer in the opposite direction, said outer layer comprising a non-corrodible metal, and said core wire and said inner layer of wire comprising an alloy containing of the order of 78% to 80% nickel, 12% to 14% chromium, and 6% to 8% iron.

2,135,801
OPHTHALMOSCOPE
Bartholomew A. Diggins, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application June 1, 1936, Serial No. 82,795
4 Claims. (Cl. 88—22)



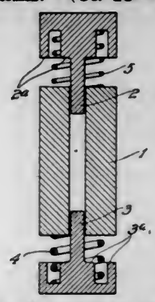
1. A lens carrier for an ophthalmoscope comprising a first disk having a series of apertures, a second disk having a series of apertures in alignment with the first-named series, a plurality of lenses secured between said disks in alignment with said apertures, said first disk having a second series of apertures, a series of portions in said second disk in alignment with said second series of apertures and bent away from said first disk, and indicia on the surface of said portions adjacent said first disk.

2,135,802
AUTOMOBILE TIRE HANDLING DEVICE
Thomas Dinkins, Ridgefield Park, N. J.
Application May 20, 1937, Serial No. 143,742
1 Claim. (Cl. 280—53)



An automobile tire handling device having the combination of an operating lever composed of a single elongated metallic bar of a length adapted to permit simultaneous grasping of its operating end with one hand, shoving its actuating end underneath the tire, while gripping the tire with the other hand, a traction roller mounted on said lever between its ends to constitute its fulcrum, said actuating end being bent substantially upwardly relatively to said lever, and a tire sustaining platform being centrally pivoted to swing about the terminal of said actuating end to permit it to assume a substantially level position closely adjacent to the ground when shoved under and in contact with the tire.

2,135,803
METHOD OF AND MEANS FOR MOLDING PLASTIC MATERIALS WHICH DO NOT FLOW EASILY
Victor Dumert, Finchley, London, England, assignor to Johnson Laboratories Incorporated, Chicago, Ill., a corporation of Illinois
Application December 12, 1936, Serial No. 115,464
In Great Britain December 16, 1935
4 Claims. (Cl. 18—42)



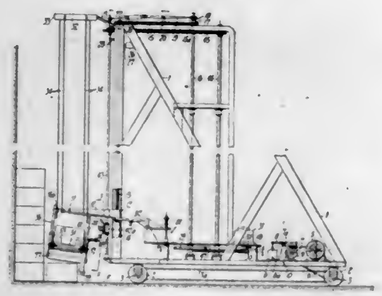
1. The method of molding plastic materials which do not flow easily, consisting of placing a charge of the material to be molded in a mold open at opposite ends and supported for endwise movement, simultaneously imparting substantially equal compressive forces to opposite ends of said charge, and applying longitudinally and simultaneously to the mold opposite external forces each sufficient to overcome sticking of the charge in the mold, thereby maintaining said compressive forces substantially equal to each other throughout the compression of the charge.

2,135,804
SPRING BED BOTTOM, BED SPRING, OR THE LIKE
Charles J. Elder, Brooklyn, N. Y., assignor to Greenpoint Metallic Bed Co., Inc., Brooklyn, N. Y., a corporation of New York
Application April 21, 1936, Serial No. 75,543
2 Claims. (Cl. 5—262)



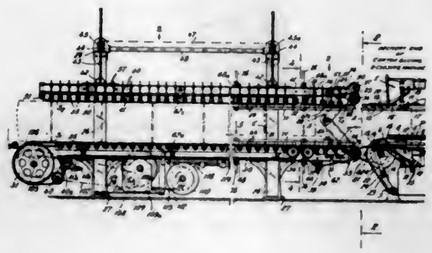
1. In a bed spring or the like, the combination of a top frame and a bottom frame, springs supported from the bottom frame and acting on and supporting the top frame, a cross-member extending between opposite sides of the bottom frame and positioned between the lower ends of the supporting springs, the extremities of the cross-member terminating at points spaced inwardly from such opposite bottom frame sides, tension springs connecting such extremities of the cross-member with such opposite sides, and stabilizing means above and supported on each end of the cross-member and between the tension springs and each such means including arms inclined downwardly and inwardly from the top frame and attached to opposite sides thereof, a pair of links of different lengths pivoted to the lower end of each arm and pivotally connecting the links with the corresponding end of the thus tensioned cross-member, the longer link being further out on the cross-member than the shorter link, and the links converging toward the arm, together with a tension spring connecting the upper pivot of the shorter link with the lower pivot of the longer link.

2,135,805
CAN STACKING MACHINE
Howard R. Evans and Walter C. Huisman, San Jose, Calif.
Application December 20, 1935, Serial No. 55,446
13 Claims. (Cl. 214—6)



1. A can stacker comprising, in combination, an intermittently movable frame having an upstanding face portion, a horizontally disposed can distributor constrained to move vertically over said face, can supplying means leading to said distributor, reciprocating can depositing means movable lengthwise of the distributor, and means for releasing cans for deposit from said depositing means during both directions of reciprocation thereof.

2,135,806
CARTON CLOSING MACHINE
Joseph A. Fermann, Baldwin, and John H. Mosley, Jackson Heights, Long Island, N. Y., assignors to Standard-Knapp Corporation, Long Island City, N. Y., a corporation of New York
Application July 6, 1936, Serial No. 89,032
25 Claims. (Cl. 93—6)



1. A machine for sealing filled cartons comprising the combination of flap gluing and closing apparatus, compression apparatus operating to maintain a pressure upon the closed flaps of a carton passing through the same, and a transfer conveyor for removing a carton from the flap gluing and closing apparatus and feeding it to the compression apparatus, said transfer conveyor comprising a pair of power driven belts one coacting with the bottom and the other with the top of said carton, and means for driving both of said belts at the same speed.

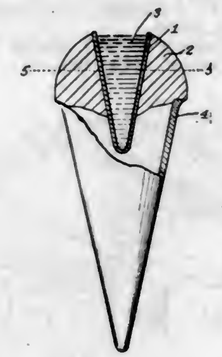
2,135,807
ALL-METAL GASKET
Patrick J. Fitzgerald, Torrington, Conn., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn., a corporation of Connecticut
Application March 23, 1937, Serial No. 132,466
1 Claim. (Cl. 288—1)



A cylinder head gasket of the character described comprising a plurality of sheet metal laminations which together define an all-metal gasket, and means for maintaining said laminations in an assembled relationship permitting a slight amount of relative movement between the several laminations, said means consisting of "stakings" of wedge-shaped formation, there being a pair of such "stakings" with the smaller edges of the wedge-shaped formations disposed towards each other.

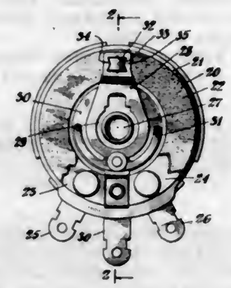
2,135,808
CONFECTION
Joseph Bernard Friedman, San Francisco, Calif.
Application April 27, 1936, Serial No. 76,590
3 Claims. (Cl. 99—137)

3. A confection comprising a pair of separate edible containers of different sizes, a mass of frozen confection supported by the larger container and surrounding the smaller container, and



an unfrozen flavoring material within the smaller container.

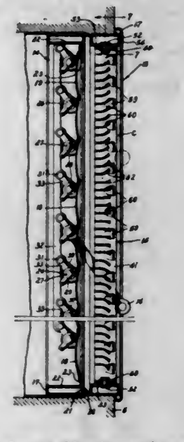
2,135,809
RESISTANCE CONTACTOR
Hal F. Fruth, Riverside, Ill., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application April 22, 1937, Serial No. 138,336
9 Claims. (Cl. 201—55)



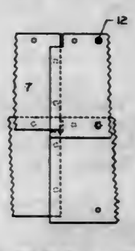
1. A variable resistance device comprising a relatively smooth resistance surface, a movable contact arm arranged so as to move over said surface, said arm comprising a portion of sheet material spaced from said surface and having an aperture therein, a pair of oppositely disposed projections on opposite edges of said aperture, and a cylindrical contactor disposed in said aperture with its cylindrical surface engaging said resistance surface and also engaging said projections whereby said contactor has sliding contact with said surface and rocking contact with said projections.

2,135,810
REGISTER
John A. Germonprez, Grosse Pointe Park, Mich., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application May 9, 1936, Serial No. 78,807
20 Claims. (Cl. 98—110)

14. A grille having, in combination, a plurality of units each comprising a plurality of fins, cross plates rigidly connecting the fins of each unit at longitudinally spaced points, and means supporting said units for adjustment relative to each other.



2,135,811
JOINER SHINGLE
Bert G. Goslin, Battle Creek, Mich., assignor to Sherriff-Goslin Co., Battle Creek, Mich., a corporation of Michigan
Application March 25, 1936, Serial No. 70,726
12 Claims. (Cl. 108—8)

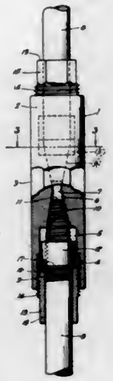


7. A rigid or semi-rigid flat and beadless joiner shingle that has its two upper corners suitably notched out to produce an open upper corner profile, and which has suitable holes formed adjacent its upper edge between the notches as well as one adjacent the bottom of the shingle, the bottom hole being in alignment with one of the top holes so that when the shingles are laid in a single shingle width row and in prescribed overlapping manner one above the other the two holes will coincide to permit a nail or the like to be driven therethrough to fasten the butt of the joiner shingle in place, the coinciding hole in the joiner shingle top being substantially larger than the bottom hole and filled with a plastic waterproofing material.

2,135,812
RIGID COUPLING FOR SUCKER RODS
Samuel E. Gray, Oklahoma City, Okla.
Application June 28, 1937, Serial No. 150,734
Renewed April 9, 1938
2 Claims. (Cl. 287—108)

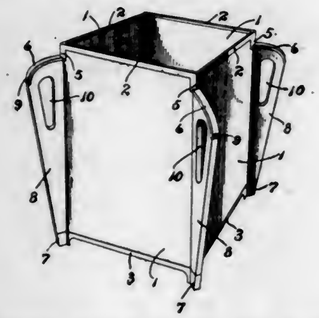
2. In a coupling of the character described, in combination, a barrel or cylinder with threaded recesses formed within its ends, the exterior of said ends having smooth walls with a wrench

hex intermediate the length of the said barrel, the interior midsection of the barrel having smooth bores continuous with the said threaded recesses and changing to hopper-shaped cavities meeting in a narrow slit forming an opening through the said barrel, sucker rods threaded at their ends, portions of the threads being ground off to form wedges with blunt points,



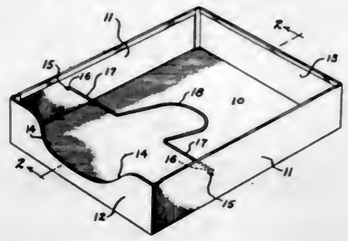
said wedges being adapted to seat firmly in the hopper-shaped cavities of the said barrel, threaded collars for coacting with the threaded ends of the sucker rods and seating snugly in the bores of the barrel aforesaid, and smooth bored threaded plugs having wrench hexes, adapted for registering in the said threaded recesses and coacting with the said collars for locking the sucker rods within the said barrel.

2,135,813
WASTEBASKET
Joseph A. Hartman, Grand Rapids, Mich.
Application June 5, 1936, Serial No. 83,629
2 Claims. (Cl. 220—66)



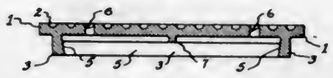
1. A basket having vertical side walls, upper and lower metal border frames connected with the upper and lower ends of said basket side walls, said lower border frame at each corner of the basket having a socket open at its upper end, and said upper border frame at each corner thereof having an outwardly extending member attached thereto, handles, one at each corner of the basket, each having its lower end received in a socket and its upper end coming against the underside of an outwardly extending member and connected therewith, and a bottom within said walls movable between the upper and lower border frames, as specified.

2,135,814
LETTER TRAY
Thomas Hearn, Ludlow, Ky., and Grosvenor S. McKee, Cincinnati, Ohio, assignors to The Globe-Wernicke Company, Norwood, Ohio, a corporation of Ohio
Application December 6, 1937, Serial No. 178,274
3 Claims. (Cl. 206—74)



1. A letter tray comprising a shallow rectangular box, and a baffle pivotally mounted at a point above the bottom of said box and toward one end thereof from the center and extending toward the center of said box, the end wall of said tray toward which said pivot is displaced being at least in part of less height than the other walls, whereby papers placed in said tray will be more readily accessible.

2,135,815
SURFACING PLATE
Vernon G. Hecht, Cincinnati, Ohio, assignor to The Meyer-Hecht Company, Cincinnati, Ohio, a corporation of Ohio
Application February 26, 1934, Serial No. 712,981
9 Claims. (Cl. 94—11)

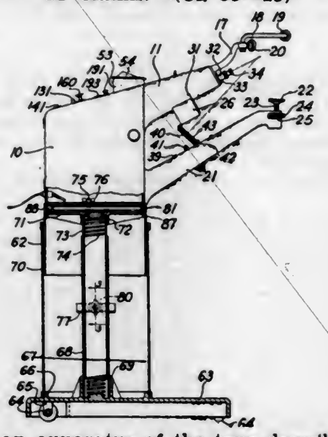


1. A surfacing plate having a continuous bonding rib of uniform depth formed on its under surface, said rib extending parallel with the edges of the plate with a narrow space between the rib and the plate edges whereby, when a plurality of plates are laid on a semi-plastic bed, the bed material will flow into the narrow spaces between the ribs of abutting plates and increase the bonding anchorage of the plate edges in the bed.

2,135,816
METHOD FOR THE PRODUCTION OF THE CONTOURS IN THE DRAWING TO BE TRANSFERRED BY HELIOGRAVURE UPON THE INTAGLIO CYLINDERS OR PLATES
Karl Hintsches, Oberkotzau, Germany
No Drawing. Application April 1, 1936, Serial No. 72,054. In Germany August 3, 1935
1 Claim. (Cl. 95—5)

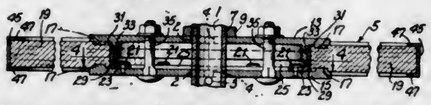
A method of preparing intaglio cylinders or plates for printing on materials having a rough and porous surface, comprising preparing a positive photographic image of the pattern to be printed by the cylinder or plate, copying hatching into the positive image, preparing a negative from the positive image, and scribing the contour of the hatched areas by means of a sharp pointed instrument with the aid of a magnifying glass.

2,135,817
FILM HANDLING APPARATUS
Carter J. Hughey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 2, 1937, Serial No. 167,010
14 Claims. (Cl. 95—13)



1. In an apparatus of the type described, the combination of a casing having an exposure aperture through which rays of light directed theretoward are adapted to pass, a treating tank in said casing having an entrance and an exit, means for feeding a film strip past said exposure aperture and into said treating tank, means located adjacent the entrance of the treating tank for cutting the film strip entering thereinto, and means adjacent the exit of the tank for gripping and pulling the film strip from the tank after it has been cut.

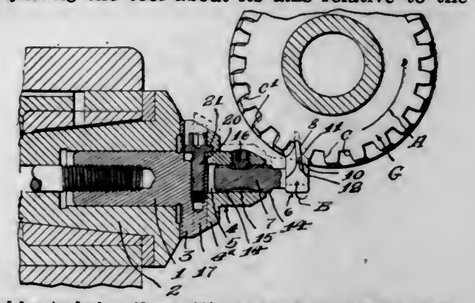
2,135,818
TRUSSED APPARATUS
Claude H. Hunsaker, University City, Mo.
Application April 5, 1937, Serial No. 134,982
10 Claims. (Cl. 20—0.5)



1. An article of manufacture comprising a peripheral band, oppositely disposed hubs within the band, radial means reaching from the band to points between the hubs, gripping means peripherally on the hubs for the inner ends of the radial means, radially movable means on one hub, means on the other hub adapted to force said radially movable means against the inner ends of the radial means, and means to draw together said hubs, whereby the radial means are forced toward the band.

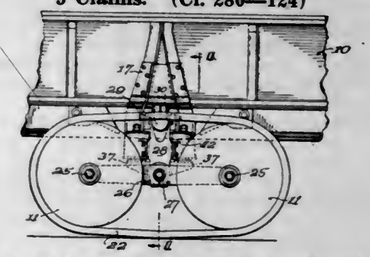
2,135,819
ADJUSTABLE CHAMFERING TOOL AND HOLDER
Paul T. Klix, Syracuse, N. Y., assignor to W. C. Lipe, Inc., Syracuse, N. Y., a corporation of New York
Application September 15, 1936, Serial No. 100,913
3 Claims. (Cl. 90—16)

1. An adjustable chamfering tool and holder comprising a rotatable body having an axial socket, and a tool having a radially extending cutter tooth of tapering contour in cross section from its end toward its base, and with a cutting edge at the corner by one side face and the advance side of the tooth with respect to the direction of rotation, the end edge of the tooth extending in a curve receding from the cutting edge end of the tooth toward the axis of the tool, and means for adjusting the tool about its axis relative to the



holder to bring the cutting edge into substantially radial position as the tooth is sharpened, and means for adjusting the cutter bodily radially in substantially the radial plane of the cutting edge containing the axis of the tool.

2,135,820
VEHICLE
Joseph Kuchar, Chicago, Ill., assignor to Athey Truss Wheel Co., Chicago, Ill., a corporation of Illinois
Application March 8, 1937, Serial No. 129,613
5 Claims. (Cl. 280—124)

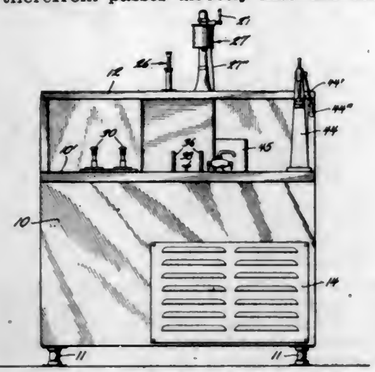


4. A spring mounting for heavy vehicles comprising an axle movable with respect to the body and comprising a transverse member and end members removably secured thereto, bracket members mounted on each side of the vehicle body and provided with vertically elongated openings through which passes the transverse member of the axle, said bracket members being provided with vertically directed channel formations receiving the end members in sliding relation, brackets carried by said end members on each side of the axle, said brackets being provided with openings, disc members having projections whereby they are seated on said brackets, inverted cups carried by said bracket members above and in spaced relation to said brackets, coil springs within said cups seated therein and on said discs, and means for compressing said springs.

2,135,821
BEVERAGE DISPENSING BAR
Sherburne D. Levings, Winnetka, Ill., assignor to The Bastian-Blessing Company, Chicago, Ill., a corporation of Illinois
Application October 15, 1934, Serial No. 748,297
2 Claims. (Cl. 225—28)

1. A compact carbonated water manufacturing and dispensing bar for use in cafes, hotels and the like comprising, in combination, a cabinet, a carbonating machine positioned in the lower portion of said cabinet and operable to combine

measured quantities of gas and water, a cooler in said cabinet for reducing the temperature of the carbonated water and for providing a reserve supply, said cooler having a conduit connected to said machine so that the carbonated water therefrom passes directly into the cooler,



means responsive to pressure in said cooler controlling the carbonating machine to maintain a predetermined pressure, a carbonated water discharging means mounted on the upper portion of the cabinet, and a conduit connecting said discharging means with said cooler at a point below the top thereof.

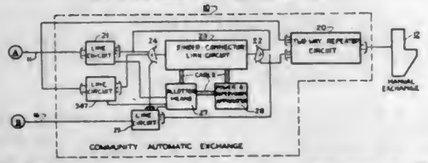
2,135,822

TELEPHONE SYSTEM

Clarence E. Lomax, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application December 6, 1937, Serial No. 178,276

37 Claims. (Cl. 179—17)



1. In an automatic telephone system, a plurality of subscribers' lines, a plurality of trunk lines, a plurality of finder-connector links for setting up connections between said lines, at least a portion of said links having access to said trunk lines, allotter means for assigning said links for use in a definite order, the finder portion of each link assigned for use being effective to search for and seize a calling one of said lines, a source of ringing current, a plurality of ringing current conductors each adapted to be connected to said source, a switch, control means for said switch, means including said switch for controlling the connection of said conductors to said source so that each thereof has impressed thereon the voltage of said source for coded intervals which are different for each of said conductors, means included in each of said links and responsive to a received series of impulses for completing a connection between one of said conductors, corresponding to the number of impulses comprising said series of impulses, and a selected called one of said subscribers' lines, means controlled by said switch for assigning a second link to search for a calling line in the event a first assigned link fails to find the said calling line, means controlled by said switch for releasing a link seized by one of said lines and for preventing another of said links from being assigned to the use of said one line in the event the connector portion of the first seized link is not caused to select a called line within a predetermined time interval after the link is seized, and means controlled by the control means for said switch for causing the connector portion of a seized link to search for an idle one of said trunk lines on a call which is to be extended by way of one of said trunk lines.

2,135,823

PROCESS FOR PRODUCING MOTOR FUELS

Arthur L. Lyman and Melvin M. Holm, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware

No Drawing. Application March 9, 1936, Serial No. 67,919

7 Claims. (Cl. 196—10)

1. A process for producing iso-octanes from a normally gaseous hydrocarbon mixture containing isobutene and the normal butenes which comprises subjecting said mixture to the action of a catalyst consisting of a thin film of phosphoric acid adsorbed on a non-porous, inert, solid support at a temperature between 50° and about 400° F. for a time and at a pressure effective to produce octenes, separating the resultant liquid polymers from unpolymerized material, and saturating the former by hydrogenation.

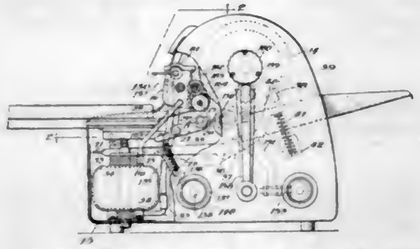
2,135,824

MOISTENING MEANS FOR DUPLICATORS

Alfred Marchev, La Grange, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia

Application February 8, 1937, Serial No. 124,713

13 Claims. (Cl. 101—132)



1. In a duplicating machine, means for pressing copy sheets against a master sheet having data imprinted thereon with ink, a roller engageable with said copy sheets to apply thereto a solvent for said ink, a receptacle adjacent said roller, fibrous material projecting from said receptacle to deliver solvent to said roller, means for delivering solvent to said receptacle to supply it to said fibrous material, a second receptacle disposed within the first mentioned receptacle, means for delivering solvent to said second receptacle, and means for discharging the contents of said second receptacle on said fibrous material.

2,135,825

APPARATUS FOR FINISHING HOLLOW ARTICLES PRODUCED DIRECTLY FROM PAPER PULP

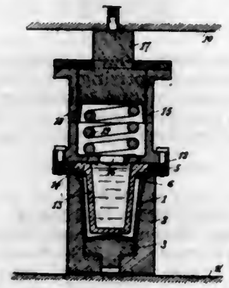
Robert Marguerat and Eugène Marcel Chevrier, Montrouge, France

Application April 1, 1936, Serial No. 72,125

In France April 15, 1935

2 Claims. (Cl. 92—60)

1. Apparatus for imparting a finish to the surfaces of dry hollow articles produced directly from fluid paper pulp, comprising a matrix having an interior shape substantially conformable to the exterior surfaces of the said article, an hydraulic press comprising two pressure-exerting plates upon the lower of which the matrix is disposed, a piston attached to the upper pressure plate and subject to the movements of said plate, a cylinder in which the piston works and dependent from the said piston, an apertured flange at the lower end of the cylinder, a helical compression spring in the space between the piston and the said flange, an expansible water-



bag secured to the lower end of the cylinder beneath the flange and in liquid-tight communication with the interior space thereof containing the compression spring through the aperture in the flange, said expansible water-bag being shaped for ready insertion into the hollow article, and water in said bag subject to pressure when the piston moves downwardly in the cylinder against the action of the compression spring and under the continued approach of the plates of the hydraulic press, for the purposes set forth.

2,135,826

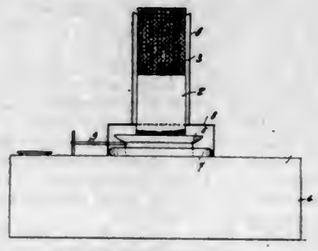
SIGNALING LAMP

Omer Marie Cyrille Marischal, Saint Die, France

Application September 4, 1937, Serial No. 162,521

In France October 14, 1936

3 Claims. (Cl. 67—53)



1. A flickering flame signal lamp adapted to employ liquid hydrocarbon fuel, comprising a reservoir for fuel, a wick-tube adapted to carry a wick, means for regulating the length of wick projecting above the said wick-tube, an incombustible sheath located around and extending above said wick-tube and adapted to become heated by the flame produced at the end of the said projecting wick in order to vaporize fuel from that portion of the wick which extends above the wick-tube but is within the said sheath, and means at the lower end of said sheath to permit the entry of air into the free space between the sheath and the wick-tube for the purpose of forcing such fuel vapour into contact with the flame in order to momentarily intensify said flame and so produce periodic flickering of the latter.

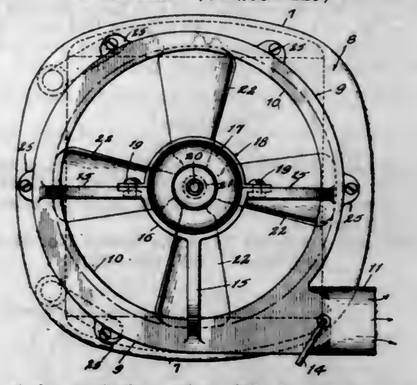
2,135,827

AUTOMOBILE HEATER

Mathew J. Marty, Chicago, Ill.

Application March 19, 1937, Serial No. 131,905

5 Claims. (Cl. 230—119)



1. A fan unit for automobile heaters comprising a casing embodying a substantially cylindrical wall and having a tangentially arranged discharge port; a saddle associated with the wall of said casing; a motor mounted in said saddle; a multi-blade fan operatively connected with said motor and rotatable in said casing, the axis of said cylindrical casing wall being eccentric with respect to the axis of rotation of said fan, said cylindrical casing wall terminating at each side of said fan in spaced annular flanges projecting inwardly from the edges of said wall, said flanges forming with said wall a shallow chamber into which the tips of the fan blades extend, said flanges defining relatively wide circular openings in opposite sides of said casing whereby a portion of the air from the fan is discharged through said tangential discharge port, while the remaining portion of air from the fan is discharged axially through one of said relatively wide openings.

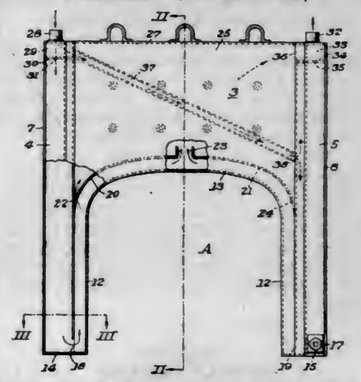
2,135,828

FURNACE DOORFRAME

Lawrence R. McAfoos, Pittsburgh, Pa., assignor to Reliance Steel Products Company, Rankin, Pa., a corporation of Pennsylvania

Application October 15, 1937, Serial No. 169,118

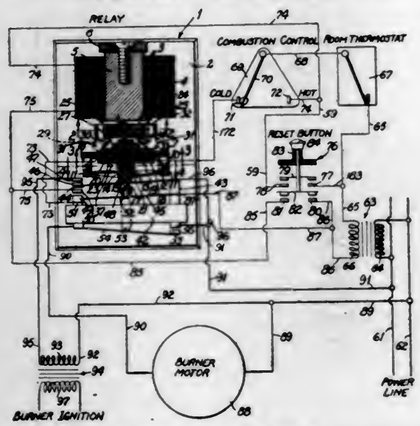
9 Claims. (Cl. 122—499)



1. A hollow water-cooled furnace door frame comprising a hollow body portion at the top of the frame, two hollow legs forming the sides of the frame, a conduit extending along part of the

legs and between them to form the bottom of the body portion, an opening from each of said legs to said conduit adjacent the lowermost ends of the legs, an opening from said conduit to the body portion at the latter's lowermost portions, an opening from the conduit to the body portion adjacent the lower center portion of the body portion, a fluid inlet connected to one leg and a fluid outlet connected to the body portion.

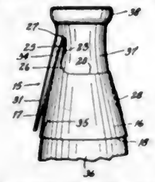
2,135,829
CONTROL
William J. McGoldrick, Marshfield, Mass., assignor, by mesne assignments, to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Application August 17, 1936, Serial No. 96,446
16 Claims. (Cl. 158—28)



8. A control device comprising a circuit-controlling electrical switch having a movable contact, an element mechanically coupled to said movable contact for actuating the same, a thermostat having relatively hot and cold positions, an electrical heater for heating said thermostat to cause it to move to its hot position, said heater being connected to a source of current through said switch, means coupling said thermostat and said element in such manner that as said thermostat moves to its hot position, said element opens said switch, and holds it open as long as said thermostat remains in its hot position, an armature mechanically coupled to said element, and an electromagnet positioned so that when it is energized, and when said thermostat is in its hot position, said armature is magnetically held to said electromagnet in such manner that said element maintains said switch in open position, said element, in the event of absence of energization of said electromagnet and return of said thermostat to its cold position, tending to return said switch to its closed position, relatively stationary abutment means, and latching means on said armature cooperating with said abutment means to prevent said element from closing said switch when said electromagnet is not energized and said thermostat moves from its hot to its cold position.

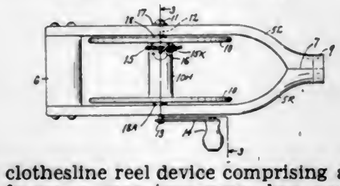
2,135,830
BOTTLE COLLAR
Leroy P. Neher, St. Louis, Mo.
Application December 21, 1936, Serial No. 116,853
14 Claims. (Cl. 40—4)

1. In a removable display device for the necks of tapered neck bottles, a first section comprising an elongated piece of flexible material having a generally arcuate lower edge, means joining the ends of said section together to form an enclosed conical loop device to surround the bottle



neck with the lower edge forming the base of the cone, a folder comprising a plurality of superposed sheets, and means attaching said folder to one edge of said first section, whereby the same may be caused to overlie said first section.

2,135,831
CLOTHESLINE REEL
Helge Nilsen, St. Paul, Minn.
Application February 11, 1936, Serial No. 63,329
1 Claim. (Cl. 242—100)

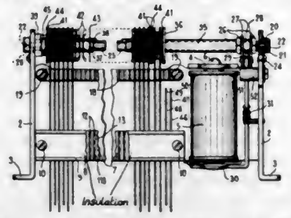


In a clothesline reel device comprising an elongated frame, a rear transverse bar comprising part of said frame, two parallel side bars extending forward integrally from said rear bar and thence toward each other and terminating in a common front end of the frame forming a tubular longitudinally bored outlet central of the frame, a drum rotatably mounted between the parallel bars with its hub in common plane with said outlet; and means at one end part of said hub at the inner face of one end flange for removably retaining a knotted end of a clothesline or the like, selectively, for clockwise or counter clockwise winding of said line on the hub, a crank for said drum exteriorly of one of said parallel bars, said line retaining means comprising an L-shaped wire member with one arm rotatably retained radially in the hub of the reel and its other arm in parallel relation to the face of said hub and of a length to contact the inner face of the adjacent drum flange while in an angular position relative to the said flange and at either side of the center line of the hub, selectively, for the purpose set forth.

2,135,832
MULTICONTACT DEVICE
Herbert F. Obergfell, River Forest, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application November 9, 1936, Serial No. 109,813
7 Claims. (Cl. 200—1)

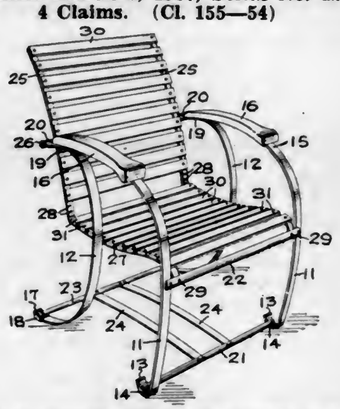
1. In a switching device, a mounting frame, contact wire banks arranged in parallel rows on said frame, means for holding said contacts against movement in said banks, said means comprising a plurality of slots and depressions in each of said slots, a crimped portion on each of said contact wires adapted to fit in said slots and in any one of said depressions of said slots, an insulating strip for holding all of said contact

wires in said banks collectively, a conducting wiper for each contact wire in one of said rows, each of said wipers adapted to simultaneously



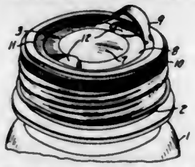
engage a contact wire in each of said rows to complete individual circuits, and means for simultaneously controlling said wipers to engage or disengage their associated contact wires.

2,135,833
CHAIR
Carl H. Oermann, York, Pa.
Application March 6, 1937, Serial No. 129,444
4 Claims. (Cl. 155—54)



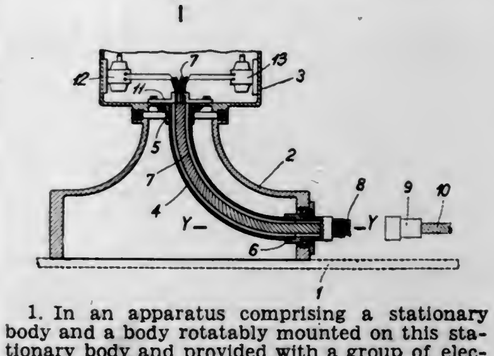
1. Seat structure comprising arcuate front and rear legs, the lower ends of the legs being spaced apart and the upper ends of said legs being connected together at their extremities, bars for bracing the lower portions of said legs, arm rests mounted on the upper portions of the front legs, a back structure connected intermediate its ends to the upper rear portion of said legs, and a seat structure extending forwardly from the lower portion of the back and connected at its front end to the front leg structure.

2,135,834
CLOSURE FOR JARS AND THE LIKE
George J. Overmyer, Tulsa, Okla.
Application March 25, 1936, Serial No. 70,842
7 Claims. (Cl. 215—95)



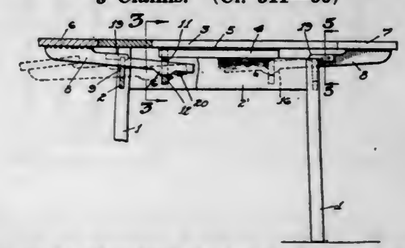
3. A closure of the character described including a cover member, sealing rings mounted on opposite faces of the cover member, and a clamping member having a flange overlying said upper ring and having means for securing the cover member on a receptacle, the cover member having a depression in its upper face and extending beneath the inner edge of the upper sealing ring to facilitate removal of said upper ring from engagement under the flange to release compression on the lower ring when removing the closure from the receptacle.

2,135,835
DEVICE FOR TRANSMITTING ELECTRIC CURRENTS
Karl Papello, Jena, Germany, assignor to the firm of Carl Zeiss, Jena, Germany
Application January 23, 1937, Serial No. 122,087
In Germany February 5, 1936
3 Claims. (Cl. 173—324)



1. In an apparatus comprising a stationary body and a body rotatably mounted on this stationary body and provided with a group of electric connection parts, wires adapted to connect this group of electric connection parts by means of a torsion cable lying outside the apparatus to another group of electric connection parts stationarily provided outside the apparatus, the aperture through which the said wires enter the stationary body being remote from the aperture through which the wires enter the rotatable body, a flexible hollow shaft adapted to transmit power and so disposed between the said two apertures as to envelop the said wires, this hollow shaft being fixed to the rotatable body and rotatably mounted on the stationary body, and means effecting outside the apparatus a rigid interconnection of the said wires and the said hollow shaft.

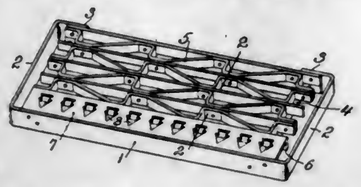
2,135,836
EXTENSIBLE TABLE
Frank T. Parrish and Arthur J. Frazee, Gardner, Mass., assignors to Heywood-Wakefield Company, Boston, Mass., a corporation of Massachusetts
Application September 28, 1935, Serial No. 42,635
3 Claims. (Cl. 311—56)



1. In an extensible table, a table top, table legs, a boxing secured to said top and legs, an extensible leaf having a folded position beneath the table

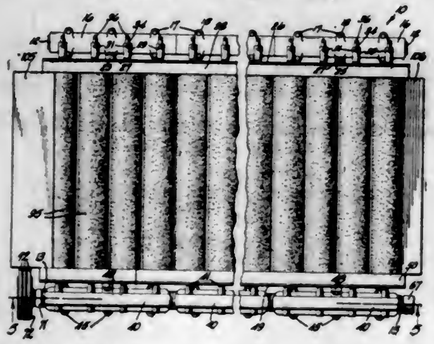
top, arms for supporting said leaf in extended position, said arms being supported by the boxing, the latter having openings corresponding in size to the cross sectional area of the arms and adapted to receive said arms, a latch secured to each of said arms in a notch provided thereby, and a plate on said boxing adjacent to and extending into each of the openings therein, said latch engaging with the associated plate and supporting the leaf in extended position, said latch having a hooked end engageable over an edge of the plate to retain said latch and plate in engagement when the leaf is in extended position, whereby disengagement of the latch from the plate by a lateral pull on the extension leaf is prevented.

2,135,837
STAIR TREAD
William S. Pattison, Johnson County, Kans.
Application January 15, 1938, Serial No. 185,140
4 Claims. (Cl. 189—43)



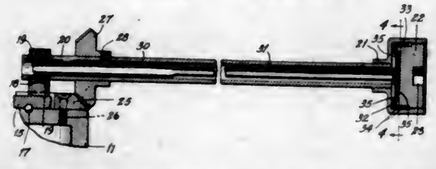
1. In a stair tread, a nosing member having a front portion and two rearwardly extending arms with inwardly turned rear end portions, supporting means attached to said front portion and to said rear end portions respectively, a tread grating resting on said supporting means and attached to said rear end portions, and a channel bar resting on said supporting means and extending lengthwise between and having its flanges respectively attached to said front portion and to said tread grating.

2,135,838
CONTINUOUS TRANSVERSE ROLLER FRUIT CONVEYER
Gerald C. Paxton, Santa Ana, Calif., assignor, by mesne assignments, to Food Machinery Corporation, a corporation of Delaware
Application January 28, 1936, Serial No. 61,183
20 Claims. (Cl. 198—127)



1. In combination: a frame; a multiple group of parallel rollers; means on said frame for pivotally supporting ends of said rollers along one edge of said group; a series of shafts having driving engagement with the ends of said rollers at the opposite edge of said group; driven gears provided on said shafts; housing means enclosing said gears and said shafts and providing bearings for the latter; a pipe; spaced bearings provided in said pipe; drive gears disposed between said pipe bearings; drive shaft means extending through said drive gears and said pipe bearings and having a driving connection with the former and journalling in the latter; and means for assembling said pipe and said housing means to form a non-leaking engagement therebetween, there being openings in said housing means and said pipe located within the area of said non-leaking engagement, through which openings a meshing engagement between said drive gears and said driven gears is effected when said housing means and said pipe are assembled as aforesaid.

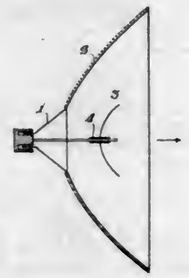
2,135,839
METHOD AND MEANS FOR EVACUATING THERMOSTAT ASSEMBLIES
Lawrence M. Persons, St. Louis, Mo., assignor, by mesne assignments, to Automatic Control Corporation, St. Louis, Mo., a corporation of Delaware
Application June 24, 1936, Serial No. 87,016
26 Claims. (Cl. 226—82)



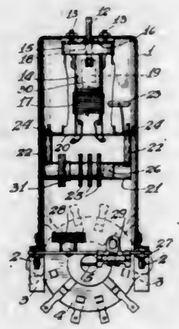
2. In a method of expelling gases from liquid-charged assemblies, which assemblies include a tube open at one end, and an enclosed space extending laterally from the other end of the tube, the steps of rotating the tube about an axis at an angle to the axis of the tube with the open end of the tube toward said axis of rotation, simultaneously rotating the tube about its axis as a center until the gas is expelled from said space and said tube, and finally closing the open end of the tube.

2,135,840
SOUND PROPAGATING DEVICE
Arthur Pfister, Woodside, Long Island, N. Y.
Application April 1, 1936, Serial No. 72,013
In Germany April 2, 1935
4 Claims. (Cl. 181—31)

2. In a sound reproducing device, a dynamic speaker having a cone shaped diaphragm for producing compressional waves of equal intensity over the entire audible spectrum and radiating the higher frequencies in a beam concentrated about the axis of the speaker to a greater extent than the lower frequencies, a first reflector surrounding said diaphragm, said first reflector being bowl shaped and facing in the direction of wave propagation to diffuse and radiate the lower frequencies of the audible spectrum over a substantial angle of radiation, a second reflector smaller than said first reflector and concentric therewith, said second reflector being positioned to intercept only the higher frequencies which are propagated by the diaphragm as a concentrated beam and to permit propagation of the lower frequencies around the edges thereof without substantial change in direction, said second reflector being bowl shaped with its convex side toward said first reflector and being positioned to reflect said higher frequencies onto parts of said first reflector beyond the edges of said second reflector and to diffuse the same over the surface of said first reflector in a position to be reflected and reradiated thereby over substantially the same angle of dispersion as the lower frequencies.



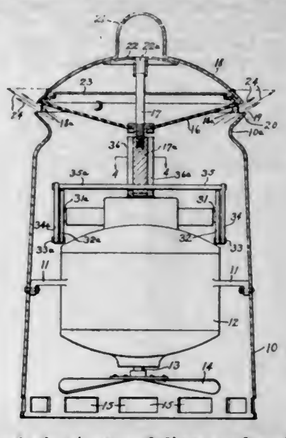
2,135,841
HIGH-FREQUENCY COIL
Wladimir J. Polydoroff, Wilmette, and Dwight V. Sinninger, Chicago, Ill., assignors to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application February 10, 1936, Serial No. 63,100
3 Claims. (Cl. 250—40)



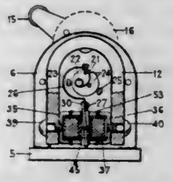
1. A multiple-band coil system for use in high-frequency resonant circuits, including an open-ended shield can containing and supporting a first coil having an adjustable magnetic body, a second coil having a fixed ferromagnetic core mounted at right angles to said first coil and trimmer capacitors associated with said first and second coils, and a third coil and associated trimmer capacitor mounted in the open end of said shield can.

2,135,842
DEFLECTOR MEANS
Daniel H. Prutton, Cleveland, Ohio
Application July 12, 1937, Serial No. 153,216
8 Claims. (Cl. 230—274)

1. In combination, a casing, means for delivering an air stream at one end of said casing, a flexible diaphragm in said delivered air stream having a peripheral support and a central support, the periphery of said diaphragm being spaced from the said one end of said casing, and means for moving one of said supports in the direction of air stream delivery whereby to vary the deflecting angle of said diaphragm.

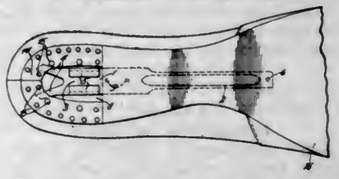


2,135,843
MAGNETOGENERATOR
Harold C. Pye, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application April 13, 1936, Serial No. 74,151
14 Claims. (Cl. 171—252)



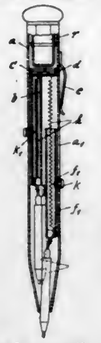
1. In a magneto generator, an armature, a rotatable operating member, a flexible spring connecting said armature and said operating member, and means responsive to the operation of said operating member for controlling said flexible spring in a manner to impart an oscillatory movement to said armature.

2,135,844
SHANK STIFFENER
Justin P. Quirk, St. Louis County, Mo., assignor to United Wood Heel Company, St. Louis, Mo., a corporation of Delaware
Application August 16, 1937, Serial No. 159,257
4 Claims. (Cl. 36—76)



1. A shank stiffener for a shoe comprising an elongated metallic strip, and longitudinal rail members integral with and extending downwardly and inwardly from the side edges of the strip near its rear end to receive the head of a heel fastening member between the rails and the strip.

2,135,845
MULTIPLE LEAD PENCIL
Hans Reusch, Pforzheim, Germany
Application April 2, 1937, Serial No. 134,609
In Germany April 18, 1936
14 Claims. (Cl. 120—14)



1. A multiple lead pencil, comprising in combination a case having a plurality of slots each terminating in a bayonet slot, slide guides in the rear end of said case, as many lead carriers in said case as there are slots, hollow shafts one connected to the rear end of each of said carriers and each slidable in one of said guides, each shaft having an aperture intermediate its length, springs each extending into and connected at the front end with one of said hollow shafts and attached at its other end to the rear end of said case, and knobs slidable one in each of the longitudinal slots in the case, each knob having a thickened outer end on the outer side of said case for shifting the knob in its slot and a thickened inner end engaging in the aperture in one of said shafts and transversely shiftable in this aperture to engage its bayonet slot to securely hold the knob and its carrier in writing position.

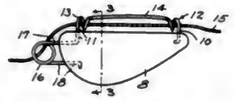
2,135,846
GARMENT HANGER
William Roberti, Springfield, Mass.
Application March 6, 1937, Serial No. 129,315
6 Claims. (Cl. 223—91)



1. A garment hanger comprising, a bar member, means secured to the bar member for suspending the bar member, a box-shaped fitting pivotally connected on an end of said bar member, a clamping member pivotally connected on the opposite end of said bar member, and a second bar member having an end pivotally connected in said box-shaped fitting and adapted to have the end thereof opposite the pivoted end removably receivable in said clamping member.

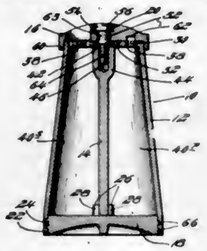
2,135,847
FISHLINE SINKER
John Rosenquist, Seattle, Wash.
Application October 16, 1937, Serial No. 169,381
3 Claims. (Cl. 43—52)

1. A device of the class described, comprising a sinker, two spaced apart wire post portions rigid with said sinker and extending at substantially right angles therefrom, two spiral loops of more than one complete turn each connected with said wire post portions and positioned at one side of the sinker, and a connecting portion connecting said spiral loops and spaced from the side of the sinker whereby a fish line may be passed



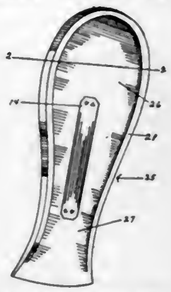
therearound, the convolutions of said spiral loops being spaced apart whereby a fishing line may be passed between said convolutions into and out of said spiral loops.

2,135,848
SALT AND PEPPER SHAKER AND THE LIKE
Peter F. Sandstrom, Chicago, Ill., assignor, by mesne assignments, of one-half to Albert R. Johnson, Maywood, Ill.
Application April 25, 1936, Serial No. 76,353
2 Claims. (Cl. 65—45)



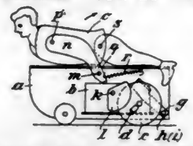
1. A container comprising a body portion, a base member, a dispensing head having a plurality of apertured dispensing walls, said walls having a meeting edge, and a partition wall extending from said meeting edge to said base, said dispensing walls converging towards said partition wall and having angularly disposed portions forming pockets therewith, said angularly disposed portions forming angles with said dispensing walls and said partition wall respectively.

2,135,849
SHOE STRUCTURE
Jack Scacco, Brooklyn, N. Y.
Application May 5, 1937, Serial No. 140,779
3 Claims. (Cl. 36—2.5)



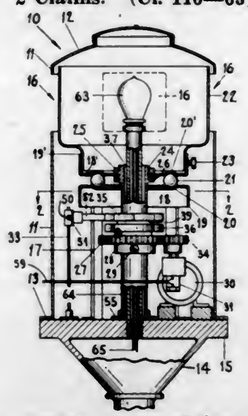
1. An open-shank shoe comprising a sole having at its shank portion and at the lower face of the sole a marginal feather, a shank piece having a heel portion and a shank portion with marginal beads throughout its sole-engaging face to engage and fit closely against the feather of the sole whereby there will be substantially no gap between the feather and the bead in the shank.

2,135,850
MECHANICAL TOY
Max Schmid, Nuremberg, Germany
Application February 5, 1938, Serial No. 188,961
In Germany May 8, 1937
5 Claims. (Cl. 46—107)



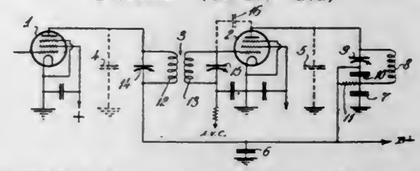
1. A mechanical toy, comprising in combination a casing similar to a sledge, runner wheels supporting the rear end of said casing, a figure resting on the upper side of said casing, arms one on each side of said figure, an axle extending transversely through said figure and connecting the upper ends of said arms, a transverse axle journalled in said casing and rigidly connecting the lower ends of said arms, a spring motor in said casing and adapted to drive said runner wheels to propel the toy, a cam rotated by said motor in the path of the lower extremity of one of said arms to swing said arms with said transverse axle and raise the figure from said casing and shift it towards the rear end thereof through the intermediary of said first mentioned axle, and a spring connected at one end to the lower end of the other of said arms and at its other end to said casing, said spring adapted to return said figure into its initial position.

2,135,851
TRAFFIC SIGNAL
Martinus Sieveking, New York, N. Y.
Application August 16, 1937, Serial No. 159,416
2 Claims. (Cl. 116—63)



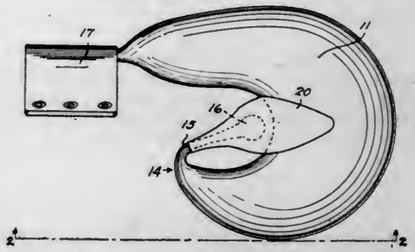
1. In an electric motor driven traffic signal comprising a casing having four open windows, a transparent dial of circular cross-section rotatably mounted in said casing and comprising eight contiguous transparent signal fields, a dished member having a downwardly extending hollow shaft secured thereto, said dial being secured in said dished member, a supporting base having a central aperture for downward passage therethrough and free rotation of said hollow shaft, a ball bearing supported by said base and supporting said dished member and said dial, a gear secured to the upper end of said hollow shaft, a stationary tube passing vertically through said hollow shaft, an electric light mounted centrally of said dial and being supported on said stationary tube, driving means in said casing having a reduction gear carrying a vertically rotatable shaft, said shaft having a gear mounted thereon, said driving means gear being engageably mounted with said hollow shaft gear, and means to operate said driving means intermittently.

2,135,852
NORMALIZING CIRCUIT
Dwight V. Sinninger, Chicago, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application June 17, 1937, Serial No. 148,668
1 Claim. (Cl. 179—171)



In a high-frequency amplifier, a first vacuum tube having a plate and a plate circuit, said plate circuit including a parallel tuned circuit and a source of plate potential shunted by a capacitor; a second vacuum tube having a plate and a plate circuit, said last-mentioned plate circuit including a parallel tuned circuit comprising an inductor shunted by an adjustable capacitor and a fixed capacitor in series, said fixed capacitor being shunted by a resistor; a connection from the junction of said adjustable capacitor and said fixed capacitor to the positive terminal of said source of plate potential; and a capacitor connected between ground and the junction of said inductor and said resistor.

2,135,853
PNEUMATIC BOXING GLOVE
Joseph Slizus and Milton Kairis, Seattle, Wash.
Application July 17, 1937, Serial No. 154,225
11 Claims. (Cl. 2—18)

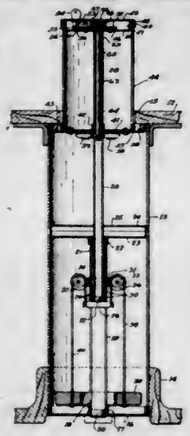


1. A one piece pneumatic boxing glove, comprising a plurality of longitudinally extending parallel air receptacles of elastic material positioned side by side and separated by longitudinally extending partition wall means, said partition means being common to the adjacent air receptacles and providing integral internal reinforcing means retaining the adjacent air receptacles in correct relative positions at all times and cooperating to maintain the glove in the correct shape without the use of external retaining or supporting means.

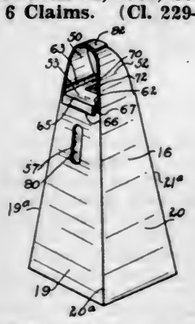
2,135,854
DISPENSING DEVICE
Boleslaus Frank Smiggen, Detroit, Mich.
Application June 16, 1937, Serial No. 148,497
3 Claims. (Cl. 312—151)

2. A device of the class described, comprising: a table top having a central opening formed

therein; a hollow supporting leg for said table top registering with said opening and projecting downwardly therefrom; a receptacle; means for mounting said receptacle for slideable movement into said leg and outwardly therefrom through the opening in said tube, said receptacle, upon being inwardly thrust, terminating with its outer end flush with the upper surface of said top; a stationary plate mounted in said leg having an opening formed therein; a tube extending centrally of said receptacle; a rod slideably extended through said tube; latch members carried by said receptacle and adapted for passage through said opening upon the thrust of said receptacle inwardly, said latch members being adapted for engagement beneath said plate for latching said receptacle within said leg; and means connecting said latch members with said rod for effecting, upon a downward thrust of said rod, the withdrawal of said latch members to inoperative position.

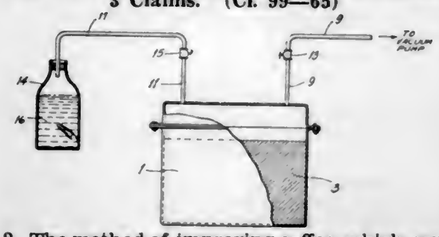


2,135,855
PAPER MILK BOTTLE
Herald T. Snyder, Seattle, Wash., assignor of one-half to Henry H. Judson, Seattle, Wash.
Application June 11, 1937, Serial No. 147,741
6 Claims. (Cl. 229—37)



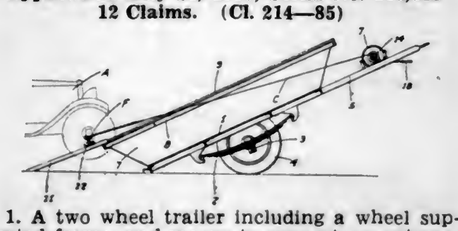
1. A folded blank for a container comprising a series of body portions each having a lower extension, said extensions adapted to form a laminated bottom; one of said portions having an opening therethrough, a transparent covering for said opening, and an upper extension having an opening alined with said body opening; another of said body portions having an upper extension adapted to form a closure, and integral means forming a handle.

2,135,856
METHOD OF MAKING FOOD PRODUCTS
John A. Spencer, Newtonville, Mass.
Application July 12, 1937, Serial No. 153,142
3 Claims. (Cl. 99—65)



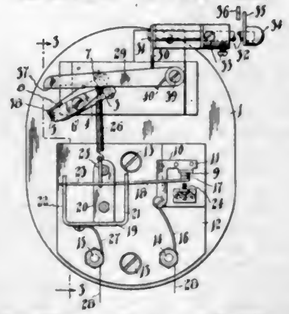
2. The method of improving coffee, which comprises placing said coffee, in its roasted, ground condition, in a container, substantially evacuating said container, and admitting alcoholic vapors to the evacuated container.

2,135,857
TRAILER
Albert L. Stahl, Turlock, Calif., assignor of one-half to James L. Collins, Turlock, Calif.
Application May 24, 1937, Serial No. 144,448
12 Claims. (Cl. 214—85)



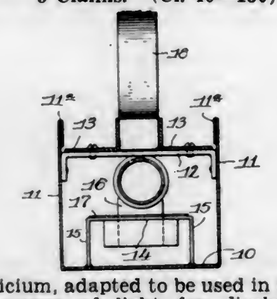
1. A two wheel trailer including a wheel supported frame, and means to support an automobile above the frame, said means comprising a pair of longitudinally extending transversely spaced rails adapted to engage and support the axles of the automobile; the rails being disposed in a plane above the plane of the top of the trailer wheels a distance greater than the distance between the bottom of the axles and the bottom of the wheels of the supported automobile.

2,135,858
TEMPERATURE CONTROL MECHANISM
Robert H. J. Starsmeare, Orillia, Ontario, Canada, assignor to Tudhope Metal Specialties Limited, Orillia, Ontario, Canada
Application June 28, 1937, Serial No. 150,768
11 Claims. (Cl. 200—138)



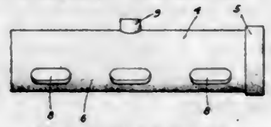
1. Temperature control mechanism comprising a thermostatically actuated arm mounted to turn on an axis; a lever pivoted on the arm, the pivot of the lever being offset relative to the said axis; an adjustable regulator against which the lever is moved by the arm to cause it to rock relative to the arm; a switch arm normally closing a circuit; and means for connecting the lever, at a point substantially in alinement with the said axis, and the switch arm to move the latter to open the circuit when the lever is rocked on its pivot.

2,135,859
ILLUMINATED SIGN
Charles E. Swanson, Chicago, Ill., assignor to Garden City Plating & Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application June 12, 1937, Serial No. 147,828
5 Claims. (Cl. 40—130)



5. Indicium, adapted to be used in combination with a source of light for display purposes, formed of a light-transmitting material and having a light-transmitting surface on the obverse side thereof, said indicium having a base adapted to receive light from the light source substantially throughout its entirety and transmit it into the body of the indicium, and light diffusing material adhering to a surface of the indicium to diffuse the light passed into the body of the indicium and cause it to pass out of the light transmitting surface thereof.

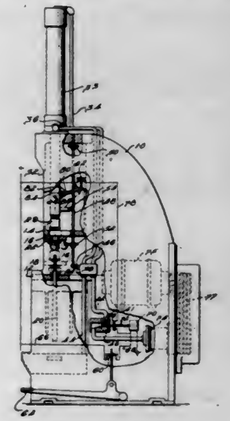
2,135,860
UNDERGROUND WATER TRANSFER SYSTEM
Frederick E. Taysen, Lincoln, Calif.
Application October 25, 1937, Serial No. 170,827
2 Claims. (Cl. 61—11)



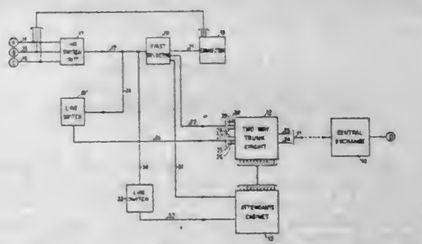
1. In an underground water transfer system, a plurality of connected conduit sections, each such conduit section being non-circular in cross section and of greatest diameter in the central longitudinal plane thereof, the section having a plurality of side openings therein below said plane, a coupling bell formed on one end of the section and symmetrical with the cross sectional configuration thereof, and an upstanding air vent collar formed on top of certain ones of said connected conduit sections.

2,135,861
PULL BROACHING MACHINE
Richard A. Thompson, Detroit, Mich., assignor to Colonial Broach Company, a corporation of Michigan
Application August 7, 1935, Serial No. 35,693
11 Claims. (Cl. 90—33)

1. In a machine for operating a tool to be drawn through a work piece, the combination of a head for supporting said tool; driving means for effecting reciprocation of said head over a path including a loading position intermediate the ends of said path; mechanism for effecting the starting, stopping, and reversal of said driving means; and control means for said mechanism operable in accordance with the position of said head and effective to cause said head to start from said loading position, travel to one end position, reverse, travel to the other end position, reverse, and return to said loading position and stop thereat.

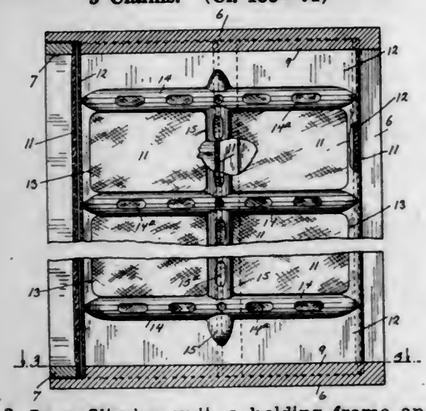


2,135,862
TELEPHONE SYSTEM
John H. Voss, Downers Grove, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application March 24, 1937, Serial No. 132,687
45 Claims. (Cl. 179—27)



1. In a telephone system, a central exchange, a private exchange, a trunk line extending between said exchanges, private lines in said private exchange and accessible to said trunk line, at least a portion of said lines having private telephones individually associated therewith, an operator's station, an operator's telephone at said station, means for establishing a talking loop between one of said private telephones and said central exchange, said loop extending by way of said trunk line and the line associated with said one of said telephones, an operator controlled switch at said operator's station, means operative in response to the momentary operation of said switch to a predetermined position for initiating or completing a predetermined service in connection with calls extending over said trunk line and means independent of said switch for retaining said last-mentioned means operated.

2,135,863
AIR FILTER
Russell S. Walker, Duluth, Minn., assignor of one-half to Warren S. Moore, Duluth, Minn.
Application July 9, 1937, Serial No. 152,731
5 Claims. (Cl. 183—71)



3. In a filtering unit, a holding frame and a filler therefor including a latticed former having concavo-convex ribs spaced to form intervening openings, and a sheet of filtering material seated against the edges of the concave sides of the former, said former and filtering sheet being bent into manifold formation and held in that form by said frame with the convex sides of certain of said ribs in contact and with the convex sides of the ribs running in the other direction being spaced to afford air passages therebetween.

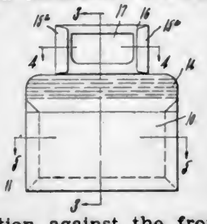
2,135,864
CIRCUIT BREAKER
Victor Weber, St. Louis, Mo., assignor to The Emerson Electric Mfg. Co., St. Louis, Mo., a corporation of Missouri
Application September 23, 1936, Serial No. 102,093
16 Claims. (Cl. 200—113)



1. A circuit breaker comprising a pivoted member, an element pivoted to said member and carrying a contact at a free end, said pivotal connection between said member and said element including two spaced cooperating groove and edge connections, a second contact disposed to cooperate with said first contact, and means to effect snap pivotal movement of said element including a thermally-actuated member.

2,135,865
COMBINED EXPANDING WALLET AND CARD HOLDER
Maurice Winokar, Chelsea, Mass., assignor to The Federal File Envelope Co., Inc., Boston, Mass., a corporation of Massachusetts
Application March 1, 1937, Serial No. 128,328
2 Claims. (Cl. 129—16.7)

2. A combined expanding wallet and cardholder adapted for filing purposes consisting essentially of a precut and prescored fiberboard structure comprising front, back, side, and bottom wallet portions formed up into an expanding wallet whose side and bottom walls contain lines of score permitting free movement of the front and back wallet walls toward and away from each other, said structure additionally comprising a closure flap projecting from the top of said back wallet wall and carrying as an extension thereof front and back cardholder portions formed up into a card holder whose front wall is provided with an opening through which a card placed in said cardholder is visible when said flap and cardholder are brought up from

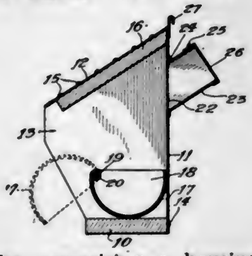


closing position against the front wallet wall, said wallet closure flap being of a width at least about equal to that of the side and bottom wallet walls and said cardholder including an open end adjacent to said wallet closure flap and through which a card may be inserted into said cardholder and the front cardholder wall including a flap projected through said open end into said cardholder and affording a ledge on which a card inserted into said cardholder may rest.

2,135,866
EMULSIONS AND PROCESS OF MAKING THE SAME
Parke Lowe Boneysteele and Manford Lemuel McKercher, Baltimore, Md., assignors to American Bitumuls Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 12, 1932, Serial No. 628,550
11 Claims. (Cl. 134—1)

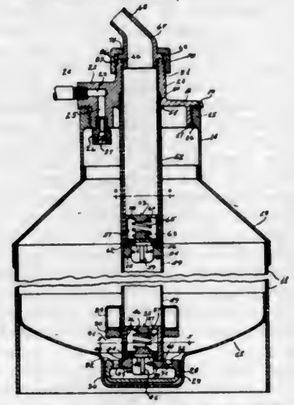
1. A process for the production of fluid bituminous emulsions of mixing grade which comprises the step of adding trisodium phosphate to a low viscosity, quick-breaking clay-free emulsion which is primarily dependent for its formation, stability and setting characteristics upon the interaction of saponifiable constituents of the bitumen with an aqueous alkaline medium in which it is dispersed, said addition being in amount sufficient to render the emulsion slow-breaking to the point that it may be mixed with aggregates, fibrous fillers and the like without premature breakdown resulting in agglomeration of the bitumen into lumps.

2,135,867
FEEDER
Sheldon Clark, Chicago, Ill.
Application March 30, 1938, Serial No. 198,805
6 Claims. (Cl. 119—52)



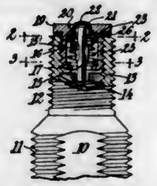
1. A feeder comprising a housing having a bottom wall, a vertical rear wall connected to the bottom wall, a top extending forwardly and downwardly from the upper edge of the rear wall and overhanging the bottom, end walls secured to the rear, top and bottom walls, a trough having a longitudinally extending lip on its forward edge, a rod extending through the pocket formed by the lip and mounted in said end walls for pivotally mounting the trough in the housing, a spout rigidly mounted on the rear wall of the housing for delivering feed to the trough, and a cover for the outer end of the spout.

2,135,868
MECHANISM FOR DISCHARGING CONTENTS OF RECEPTACLES
Augustine Davis, Jr., Cincinnati, Ohio
Application July 24, 1935, Serial No. 32,917
12 Claims. (Cl. 221—74)



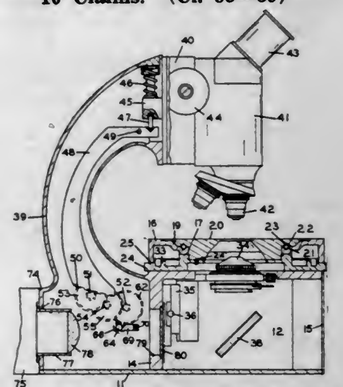
1. In a mechanism of the class described the combination of a container having a feed pipe therein, means for introducing pressure within the container for forcing the contents of the container through the feed pipe, a second feed pipe adapted to be inserted within the first feed pipe and to receive fluid from said first feed pipe, and a spring-controlled foot valve at the lower end of each feed pipe for preventing reverse gravity flow therethrough.

2,135,869
TIRE VALVE
Abraham Engel, Brooklyn, N. Y.
Application June 13, 1935, Serial No. 26,399
3 Claims. (Cl. 137—69)



1. A tire valve or the like comprising a casing with a valve insides therein having a valve pin extending to approximately the top of the casing, and a valve cap engaging the outer end of the casing and extending beyond the top of said casing to an amount of the order of the thickness of the casing at the nipple end thereof, said valve cap having a top wall with an opening therein, a member adapted to provide a closure for said opening and a spring encircling the valve pin of the valve insides and normally holding said closure member in its closing position within the cap, said spring being independent of and supplemental to any valve insides closing spring, said closure member being adapted upon being depressed to depress the valve pin to unseat the valve check of the valve insides.

2,135,870
MICROSCOPE
Gustave Fassin, Irondequoit, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application March 27, 1935, Serial No. 13,307
10 Claims. (Cl. 88—39)

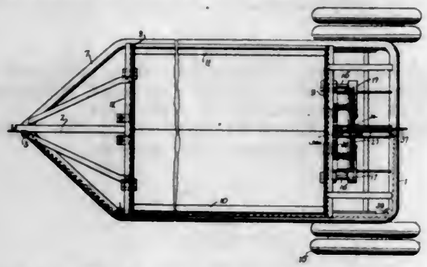


10. A microscope comprising a housing, a microscope condenser adjustably mounted therein, means extending through the side of said housing for actuating said condenser, a reflector in said housing beneath said condenser, a microscope stage rotatably mounted in the upper part of said housing and forming the top of said housing, means for locking said stage in any desired position, a second housing fixed to the first housing at one side thereof and extending upward above the first housing, a slide at the upper end of the second housing, a microscope body tube adjustably carried by said slide in alignment with the axis of rotation of said stage, a mechanism carried within said second housing for adjusting said body tube, adjusting means extending from the side of the second housing adjacent the condenser actuating means, adjustable means for interconnecting said adjusting means and said mechanism, means extending through the side of the second housing adjacent said condenser actuating means and said adjusting means for varying said adjustable means, a third housing secured to said second housing opposite the first housing, a lamp in said third housing, said three housings having openings in alignment with said lamp and said reflector, and means for directing light from said lamp through said openings to said reflector and through said condenser toward said body tube.

2,135,871
DUMP TRUCK TRAILER
Fred A. Grounds, Lufkin, Tex., assignor, by mesne assignments, to The Martin Wagon & Trailer Company, Lufkin, Tex., a corporation of Texas
Application February 9, 1934, Serial No. 710,462
4 Claims. (Cl. 298—25)

1. A dump truck including a portable support, a frame thereon, end plates on said support, a

pair of box sections having their lower walls inclined downwardly to meet along the axial line of said truck, pivots for said sections in said end plates, said pivots being mounted on said sections to place the center of gravity of said sections on the side of said pivots away from the axial center of the box to cause said sections to



swing together by gravity, arms on the pivots at the rear end of said sections, a reel, cables on said reel connected with said arms, and controlling the movement of said sections to cause said sections to move simultaneously and means to control the movement of said cables to hold said cables and sections stationary in any adjusted position.

2,135,872

DEVELOPMENT OF EXPOSED BLUEPRINT SHEETS

Walker M. Hinman, Winnetka, Ill., assignor to The Frederick Post Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application May 24, 1934, Serial No. 727,248

15 Claims. (Cl. 95—6)

15. An exposed developed and dried blue-print sheet of the iron-cyanide type, containing as residue therein oxalate salt and a halogenate oxidizing agent, said print being non-fading on exposure to actinic light.

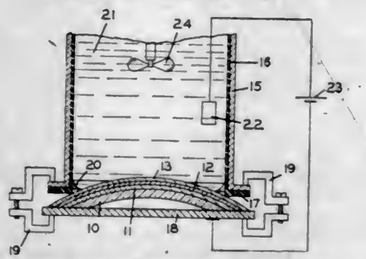
2,135,873

PROCESS OF MAKING METAL REFLECTORS

Frank L. Jones, Punxsutawney, Pa., and Raymond J. Kirchmaier, Rochester, N. Y., assignors to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application November 22, 1934, Serial No. 754,316

2 Claims. (Cl. 204—6)



1. The method of forming a reflector which comprises depositing a reflective layer of silver upon a mold, electrolytically depositing a thin layer of copper on said silver substantially coextensive with said layer of silver, electrolytically depositing a thick metallic back upon only a selected portion of said copper and removing the copper and silver beyond said selected portion.

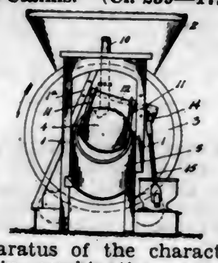
2,135,874

DISCHARGE FOR CONCRETE MIXERS

Erich H. Lichtenberg and Oscar Sheck, Milwaukee, Wis., assignors to Koehring Company, Milwaukee, Wis., a corporation

Application May 1, 1935, Serial No. 19,282

3 Claims. (Cl. 259—172)



3. An apparatus of the character described, comprising, in combination, a mixing drum, means within said drum for agitating and elevating aggregate materials within the same, a discharge chute associated with the drum and movable to discharging and non-discharging positions, and instrumentalities for movably mounting said chute with respect to said drum and including a shaft and bearing members for said shaft, the shaft and bearing members being disposed with their longitudinal axes at an angle with respect to the horizontal plane of the longitudinal axis of the drum, whereby upon movement of the chute to discharging position aggregate materials within the drum elevated by said means are transferred to said chute and discharged from the drum substantially in the direction of flow from said agitating and elevating means.

2,135,875

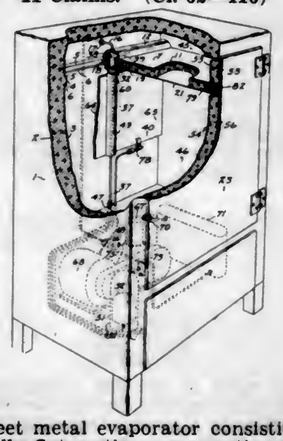
APPARATUS FOR REFRIGERATION

Sterne Morse, Richmond Heights, Ohio, assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland

Application August 8, 1932, Serial No. 627,924

Renewed April 7, 1938

11 Claims. (Cl. 62—116)



1. A sheet metal evaporator consisting of two substantially flat sections, one section being disposed horizontally, having an upper wall composed of sheet metal and having a lower wall composed of sheet metal in which are corrugations whereby long horizontal channels are provided for refrigerant liquid, and the other disposed vertically, the vertical portion having walls in close proximity, thereby providing an extended capillary space in which evaporation of refrigerant can occur.

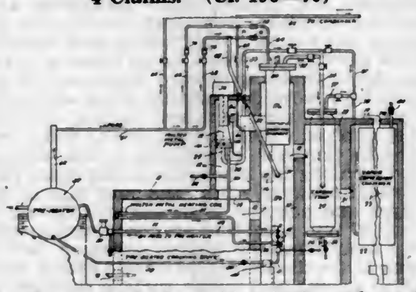
2,135,876

OIL CRACKING PROCESS

George C. Peckham, Los Angeles, Calif.

Application April 27, 1935, Serial No. 18,612

4 Claims. (Cl. 196—70)



1. The method of cracking hydrocarbons that includes, pumping a stream of molten metal in a circuitous path of flow through a heating zone and then through a cracking zone, preheating and partially vaporizing an oil charging stock, separating the vapors from the unvaporized oil, discharging the preheated oil directly into the molten metal within the cracking zone, heating the oil during its contact with the molten metal to a temperature at which the oil is cracked and entirely vaporized, leaving a carbon powder residue on the surface of said metal stream, continuously removing said residue from the cracking zone in a stream of cracked oil vapors, and conducting oil vapors produced in said preheating operation into said cracking zone.

2,135,877

METHOD OF MAKING TUBS

Clarence James Rodman, Alliance, Ohio, assignor to The Steel Sanitary Company, Alliance, Ohio, a corporation of Ohio

Application April 27, 1934, Serial No. 722,626

Renewed April 6, 1937

3 Claims. (Cl. 113—120)



1. In a method of making a tub, the steps including drawing the bell end from one piece of stock and the drain end from another, welding together said two ends only to form a complete tub, welding to one edge of the tub so formed a metal sheet adapted to form an apron, while supporting the sheet substantially in the plane defined by the rim of the tub, and bending said apron so as to position it in proper operative relation to the tub.

2,135,878

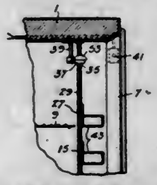
REFRIGERATING APPARATUS

Charles J. Sekyra, Sr., Troy, Ohio, assignor, by mesne assignments, of one-half to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland

Application July 5, 1935, Serial No. 29,852

1 Claim. (Cl. 312—168)

In combination in an illuminated refrigerator, a heat insulated cabinet enclosing a storage compartment open at one side, a heat insulated door for closing the open side of said cabinet, a cooling unit mounted in said storage compartment, a freezing chamber for receiving freezing trays in said unit, a transparent cold air shield movably supported in the open side of said cabinet in spaced relation between said compartment and the heat insulating door and presenting an aperture in alignment with said freezing chamber,



said shield being arranged in spaced relation to said door for forming an auxiliary storage compartment, article supporting shelves supported on said shield in said auxiliary storage compartment, said shield having a lamp receiving orifice therein and a lamp mounted in said cabinet for projection at least partially through said orifice when the shield is moved to its closed position in the open side of the cabinet for illuminating both compartments.

2,135,879

PROCESS FOR OXIDIZING HYDROSULPHIDES

William H. Shiffler and Melvin M. Holm, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware

No Drawing. Application July 8, 1935, Serial No. 30,354

8 Claims. (Cl. 23—134)

1. A process for the catalytic oxidation of hydrosulphide solutions to pentasulphide by means of an oxygen containing gas and a water insoluble multivalent metal sulphide catalyst effective in promoting such oxidation wherein the solution is maintained substantially saturated with hydrogen sulphide at a partial pressure of at least 0.001 atmosphere during the oxidation.

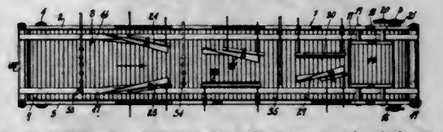
2,135,880

FOLDING MACHINE FOR FIBROUS MATERIAL

Robert O. Waldman, Berkeley, and Philip F. Thayer, Albany, Calif.

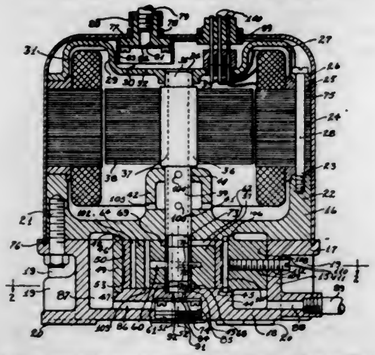
Application February 25, 1935, Serial No. 8,222

5 Claims. (Cl. 19—161)



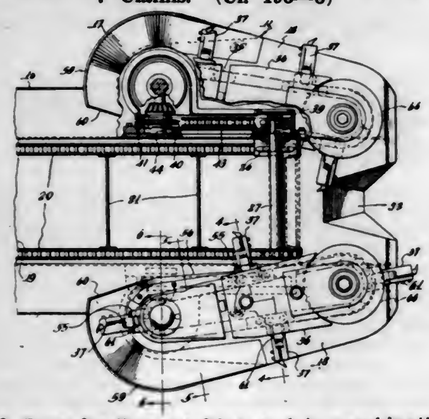
1. A folding machine for fibrous material comprising a frame, a conveyor rotatably mounted in said frame, the upper reach of said conveyor being adapted to receive and convey fibrous material thruout the length thereof, folding means above said conveyor whereby a fibrous strip is continuously folded as said strip is conveyed thru the machine, and spray nozzles adjacent each of said folding means whereby adhesive of lesser width than the width of the material receiving the same is applied to the upper surface of the fibrous material prior to being folded.

2,135,881
ROTARY OSCILLATING WING VANE COMPRESSOR PUMP
Jesse S. Wentworth, Cincinnati, Ohio
Application March 8, 1935, Serial No. 10,010
16 Claims. (Cl. 230—139)



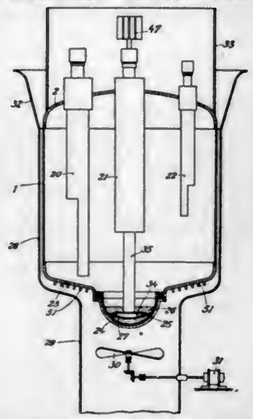
1. In a mechanism of the class described the combination of a pair of superimposed housing members, said housing members each having an opposed circular boss, a sleeve having its opposite ends disposed on said circular bosses and forming interiorly thereof a pump chamber, means securing the housings to one another and securing the sleeve therebetween, a bored shaft extending through the sleeve and rotatably journaled in said housings and having its axis eccentric to the axis of the sleeve, a rotor secured to said bored shaft within the pump chamber, an oscillatable wing vane oscillatably journaled on said rotor for swinging movement relative thereto into engagement with the walls of the pump chamber and forming ahead of it during its rotation a compression chamber and behind it a suction chamber, a plug within the bore of the shaft for dividing same into a suction conduit on one side of the plug and an exhaust conduit on the other side thereof, and means connecting said conduits respectively with the suction and compression chambers.

2,135,882
LOADING MACHINE
Frank Cartlidge, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application November 21, 1935, Serial No. 50,861
7 Claims. (Cl. 198—8)



3. In a loading machine and in combination with an elevating conveyer, an apron disposed above and extending along said conveyer and having a discharge end extending across the forward end of said conveyer, gathering means disposed above said apron and adapted to gather material from the ground and move it along said apron onto said conveyer, said gathering means including a chain guide mounted on said apron, an endless chain guided for orbital movement thereabout and spaced apart gathering arms projecting laterally from said chain over said conveyer and pivotally mounted on said chain for vertical movement relative to its plane of travel, means for restraining upward movement of said arms as they move downwardly along said apron, and other means for positively raising said arms as they approach their upper turning point away from said conveyer comprising a cam member extending along the inner side of said chain guide and spaced outwardly from the outer side of said conveyer and adapted to be engaged by an inner end of said gathering arm, said cam member having a substantially vertical engaging face beginning at the discharge end of said apron, which turns to an inclined plane surface inclined towards said conveyer as said cam extends along said chain guide.

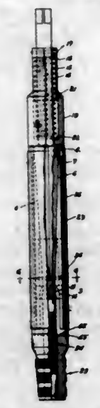
2,135,883
ELECTRIC DISCHARGE APPARATUS
Walter Dällenbach, Berlin-Charlottenburg, Germany
Application December 31, 1935, Serial No. 57,058
In Germany January 4, 1935
6 Claims. (Cl. 250—27.5)



1. A mercury vapor rectifier comprising a metallic vessel composed of wall sections degassed at a high temperature ranging from 200° C. to 400° C., hermetically sealed for pumpless operation, and means for forcing a current of cooling gas on the outer walls of said rectifier.

2,135,884
ABRADING REAMER
Joseph Disco, Santa Ana, Calif.
Application December 10, 1934, Serial No. 756,869
5 Claims. (Cl. 51—184.3)

1. In a device of the kind described, an arbor having circumferentially arranged longitudinally extending guiding means, slips or wedges mounted upon said guides, said slips being longitudinally movable and constructed and arranged to form a mounting means which is varied in its external diameter by their longitudinal movement, and an abrading member consisting of a split sleeve mounted upon said mounting means, at least one of said slips having an outward projection which enters the split in said sleeve to prevent relative rotation between said sleeve and said mounting means.

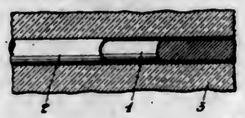


2,135,885
VACUUM CLEANER
Dewey M. Dow, Toledo, Ohio, assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio, a corporation of Delaware
Application February 25, 1936, Serial No. 65,626
10 Claims. (Cl. 15—183)



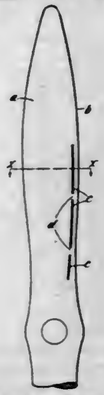
1. In a vacuum cleaner, a rotatable tubular spindle provided with a longitudinal slot, a demountable brush element having a back received in said slot, the bristle side of said back being laterally extended to form wings that engage the outer face of said spindle adjacent the margins of said slot, and a securing element rigidly engaging said back and holding it in the slot, said element projecting diametrically across said spindle from the opposite side thereof, engaging the said spindle at said opposite side, and being accessible from said opposite side for detachment.

2,135,886
TIRE WIRE AND METHOD OF MAKING THE SAME
Flint C. Elder, Cleveland Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application April 16, 1934, Serial No. 720,878
2 Claims. (Cl. 18—59)



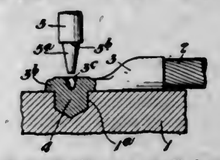
1. An article made of steel, a copper-tin alloy coating over said article and a rubber compound vulcanized to said coating, said copper-tin alloy coating containing not more than 20 per cent copper.

2,135,887
BLADE FOR AIRSCREWS AND THE LIKE
Charles Richard Fairey, Hayes, England
Application June 3, 1936, Serial No. 83,395
In Great Britain June 7, 1935
9 Claims. (Cl. 170—172)



1. An airscrew blade having a tip portion and a hub portion, a slot only in that part of the length of the blade remote from the tip portion and substantially in that half of the blade adjacent the hub portion, said slot extending obliquely from the rear face of the blade adjacent the leading edge of said blade, to the front face of the blade at a point remote from said leading edge whereby air flows through said slot from the rear to the front face of said blade.

2,135,888
INSTALLATION OF RAIL BONDS
Harold H. Febrey, South Orange, N. J., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Original application December 8, 1933, Serial No. 701,521. Divided and this application February 4, 1936, Serial No. 62,366
1 Claim. (Cl. 29—155.55)

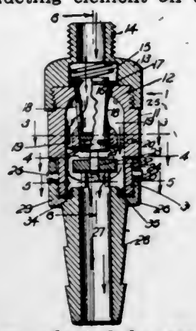


A method of installing a rail bond having a terminal providing a solid stud adapted for insertion in an opening formed in a railroad rail, including inserting said stud in said opening, shooting a projectile into said stud by means of an explosive and, practically simultaneously with the penetration of said projectile into said stud, exerting sufficient force against the surface of said terminal to retard the outward flowing from said opening of metal displaced from said stud by penetration of said projectile.

2,135,889
CONNECTER FOR PRESSURE LINES
Herman A. Flader, Denver, Colo.
Application September 24, 1935, Serial No. 41,887
6 Claims. (Cl. 284—19)

1. A quick-coupling connecter for uniting separable members of a pressure-fluid conductive system, comprising a housing on one of the said members, a hollow plug rotatable in the housing,

the plug being open at one end, in constant communication with and to receive pressure fluid from the said member, and provided with a discharge port, there being a fluid conductive passage in the housing in conductive register with the port of the plug at one position in its rotation, a fluid-conducting element on the second sepa-



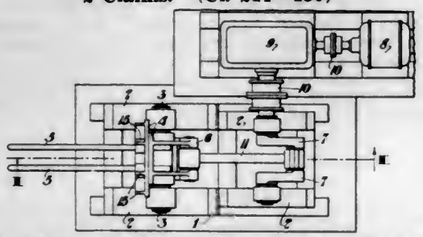
rable member, adapted for sealing engagement with the housing by relative rotative movement of such second member, and means on the said element engaging the plug for rotating the same to the position of register of the port with the passage simultaneously with the sealing-engagement movement of the said second member relative to the housing.

2,135,890

COIL TILTING DEVICE

Burton H. Gedge, Jr., Shaker Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Application May 20, 1937, Serial No. 143,817
2 Claims. (Cl. 214—130)



1. A device for handling stacks of annular articles comprising a support, a pair of rams extending in substantial parallelism from said support, a platform circumjacent to basal portions of the pair of rams, said platform having a load-supporting surface lying substantially normal to the long axes of the latter, said rams being disposed with their long axes in a common horizontal plane when the load-supporting surface of said platform is disposed to the vertical, a crank arm associated with said pair of rams to oscillate the same, a driven crank shaft adjacent thereto, a pitman connecting said crank arm and crank shaft together, the parts being constructed and arranged to rotate the crank arm substantially one-half the number of degrees of arc as that which the crank shaft is rotated.

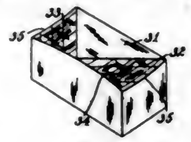
2,135,891

SAW SET

Dewey E. Gommel, Indianapolis, Ind., assignor to E. C. Atkins and Company, Indianapolis, Ind., a corporation of Indiana

Application November 7, 1934, Serial No. 751,830
2 Claims. (Cl. 76—73)

1. A saw setting anvil having a triangular flat surface and surfaces sloping away from two



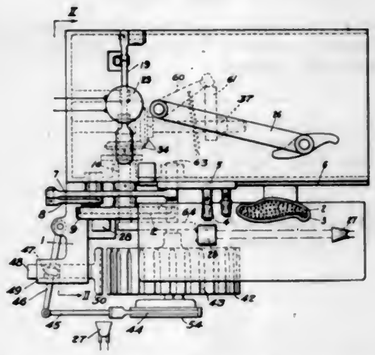
sides of said triangle, said sloping surfaces having merging convex and concave portions.

2,135,892

CIGAR MACHINE

Karl Erik Granstedt, Stockholm, Sweden, assignor to Aktiebolaget Formator, Stockholm, Sweden, a corporation of Sweden

Application November 8, 1934, Serial No. 752,142
In Sweden November 10, 1933
6 Claims. (Cl. 131—39)



1. In a cigar machine, a die, a mechanism having a tool adapted to coact with said die, another mechanism having a tool, a joint means for driving said mechanisms in timed relationship to perform repeated successive operations in which the die tool moves to and from said die, means for arresting said joint driving means, control means including a light-sensitive device and a source of light for controlling said arresting means according to whether the light sensitive device is shielded from the source of light by a human hand in the proximity of said die, and automatic means including a latch member operative in timed relation to said joint driving means to hold said arresting means out of operation while the tool that coacts with said die is sufficiently removed from said die to allow safe manual access to said die so that the cycle of operations of the machine continues while the light sensitive means is shielded until the die tool is about to approach dangerously close to the die.

2,135,893

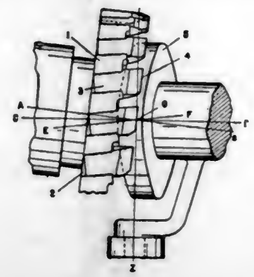
GEAR CUTTER

Ernest C. Head, Detroit, Mich., assignor of one-half to Goddard & Goddard Company, Inc., Detroit, Mich., a corporation of Michigan

Application March 6, 1936, Serial No. 67,541
14 Claims. (Cl. 29—105)

1. A gear cutter blade having a top surface axially relieved from front to back, the edge of which forms an arc of a circle, one of the side surfaces of said blade consisting of a modified conical surface, the angularity of said surface

with respect to the top surface varying from front to back so as to obtain a constant pressure



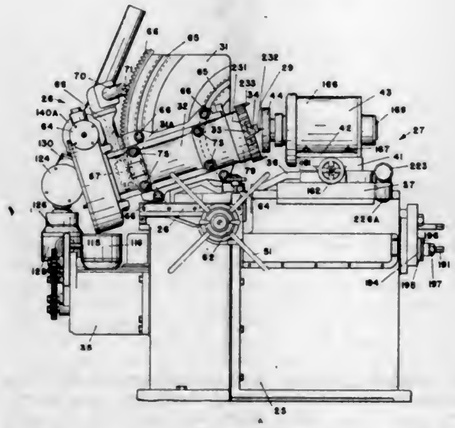
angle and the elements of said modified conical surface being straight from top to bottom.

2,135,894

MACHINE FOR FORMING SPIRAL BEVEL GEAR CUTTERS

Ernest C. Head, Detroit, Mich., assignor of one-half to Goddard & Goddard Company, Inc., Detroit, Mich., a corporation of Michigan

Application March 6, 1936, Serial No. 67,542
14 Claims. (Cl. 51—33)



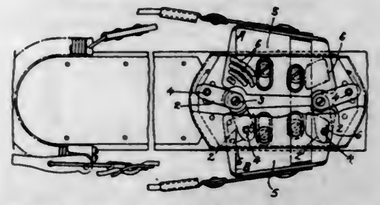
4. A machine for grinding face mill gear cutter blades comprising a frame, a swivel pivotally mounted on said frame to swing about a vertical axis, a grinder wheel mounted on said swivel, means for adjusting said grinder wheel to bring the surface of the wheel on said pivotal axis, a grinding head mounted on said frame, means on said head for securing a plurality of blades circumferentially spaced, means for angularly adjusting said head in horizontal and vertical planes with respect to said grinder wheel, means for axially adjusting said head, means for imparting a relative movement between said head and said grinder wheel to bring said blades in predetermined relation with said pivotal axis, means for continuously rotating said grinding head and means for oscillating said swivel simultaneously with and in such timed relation to the rotation of said head as to give a sequence of complete oscillations for each revolution of the grinding head.

2,135,895

ADJUSTING AND FIXING DEVICE ON SKI BINDINGS

Walter Honegger, Ruti, Switzerland, assignor to Hess & Cie, Pilgersteg, near Ruti, Switzerland

Application March 4, 1937, Serial No. 129,061
In Switzerland March 10, 1936
1 Claim. (Cl. 280—11.35)



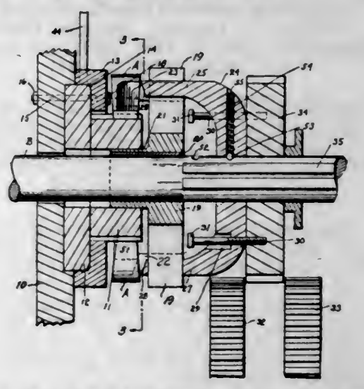
An adjusting and fixing device on ski-bindings, comprising a front pair and a rear pair of adjusting and fixing arms, a pin on each of said arms, a pair of adjustable toe-jaws of angular section, a group of grooves in each toe-jaw opposite each of said arms, said grooves extending along arcs of a circle eccentric to the rocking axis of the corresponding adjusting arm and different distances from this axis, recesses formed in opposite pairs on the edges of said grooves and adapted to receive said pins, a base plate having a screw between the said adjustable toe-jaws, serving as a rocking axis for the said arms and as a means to firmly hold the said pin between one or another pair of said recesses.

2,135,896

MEANS FOR PREVENTING THE BACK-ROLLING OF AUTOS

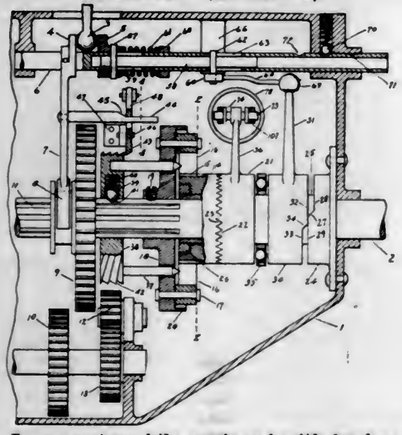
Charles M. Jameson, Pasadena, Calif., assignor to Automotive Devices, Inc., a corporation of California

Application April 11, 1932, Serial No. 604,401
5 Claims. (Cl. 192—4)



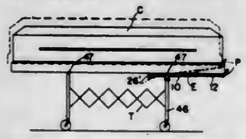
1. In a device as described, the combination of an auto brake mechanism, a ratchet wheel capable of undergoing a limited rotation, dogs associated with said ratchet wheel and designed to engage the same, a gear shift lever, a rotary member actuated when the auto gear shift lever is set for forward speed or in neutral position following any forward speed and during a slight back rolling to cause the dogs to actuate the ratchet wheel in rotary movement, and means operated by the ratchet wheel as it moves for automatically applying the brake mechanism.

2,135,897
AUTOMATIC BRAKE DEVICE
Charles M. Jameson, Los Angeles, Calif., assignor to Automotive Devices, Inc., a corporation of California
Application June 13, 1934, Serial No. 730,419
34 Claims. (Cl. 192—4)



1. In an automobile equipped with brakes and having a drive shaft, the combination of a ratchet, pawls engageable with said ratchet during slow speed of the automobile and when it is at rest, a carrier for said pawls moved by said drive shaft, said pawls cooperating with said ratchet to move said ratchet upon unauthorized rearward movement of said automobile, means in connection with said ratchet controlled by movement of said ratchet for applying the brakes, and means adapted upon authorizing rearward movement of the automobile to first disconnect said first-mentioned means from said ratchet and then to disengage said pawls from said ratchet.

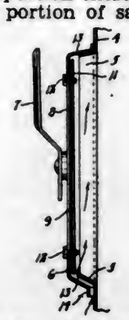
2,135,898
CASKET POSITIONING DEVICE
George C. Jamison, Wapello, Iowa
Application April 27, 1937, Serial No. 139,217
10 Claims. (Cl. 27—27)



1. In a casket positioning device, an elongated element, means for connecting one end thereof to a casket truck, and a positioning element carried by the outer end thereof having an edge means adapted to receive the one end of the casket while said casket is being lowered into place for determining the position of said one end of the casket relative to the truck to thereby center the casket on the truck.

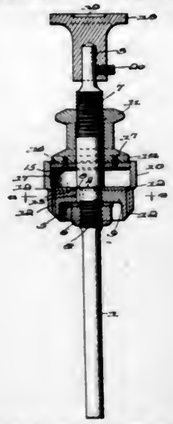
2,135,899
FURNACE DOOR
Kenneth S. Jenson, Albert Lea, Minn., assignor to American Gas Machine Company, Albert Lea, Minn., a corporation of Minnesota
Application July 26, 1937, Serial No. 155,707
2 Claims. (Cl. 126—200)

1. In a stove and the like, a wall having an opening therein, a rim on said wall defining said opening, a closure for said opening comprising a frame having a flange closely fitting said rim at the top and sides thereof, and spaced from said rim at the bottom portion thereof, the space between the bottom portion of said rim and said



frame providing an air inlet, and a transparency carried by said frame, and said air inlet being positioned to direct air toward said transparency.

2,135,900
GRINDING TOOL
Harry W. Kulp, Lancaster, Pa., assignor to K-D Manufacturing Company, Lancaster, Pa., a corporation of Pennsylvania
Application March 19, 1935, Serial No. 11,859
5 Claims. (Cl. 51—241)

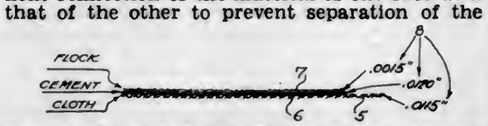


5. A seat grinding tool comprising a shaft, a container mounted on said shaft to turn therewith, and a grinding element mounted on said shaft to turn therewith, said container and said grinding element being formed with discharge conduits forming communication between the interior of said container and the grinding face of said grinding element in combination with a plunger movable into and from said container and having engagement with said shaft, and compressible and expansible means carried by said plunger for continuously forcing a fluent abradant from said container through said conduits during a grinding operation.

2,135,901
ELASTIC FABRIC
Harry K. Lea, Johnstown, N. Y., assignor to Kenlea Manufacturing Corporation, Johnstown, N. Y.
Application March 28, 1935, Serial No. 13,576
1 Claim. (Cl. 28—1)

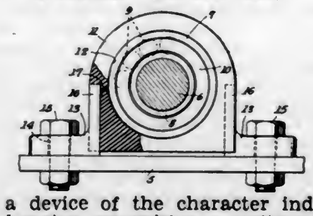
An elastic fabric of composite type having its opposite sides presenting faces differing in appearance, with the material of the opposite faces

individual to the zone of such face and with the material of one of the face zones free from interconnection with that of the other, said face zones being united permanently by a uniting material possessing elasticity and located intermediate of and concealed by said face zones, the completed fabric being characterized by its non-similarity in appearance of its opposite faces, by its permanent connection of the material of one face with that of the other to prevent separation of the



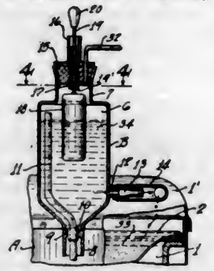
faces, and by the ability of the fabric to stretch in all directions corresponding to the plane of the fabric but non-stretchable in directions normal to such plane, the fabric being further characterized in that the opposite face zones are respectively of a knitted fabric and flocking material, the uniting material being of rubber characteristic, said knitted fabric and uniting material being united in a form to place both as untensioned when the composite fabric is in repose.

2,135,902
BEARING
Fayette Leister, Detroit, Mich., assignor to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut
Application August 24, 1936, Serial No. 97,487
3 Claims. (Cl. 308—184)



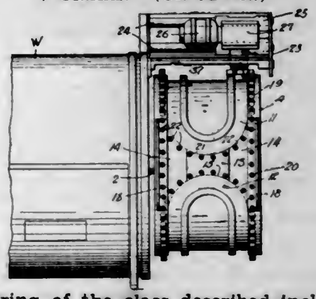
1. In a device of the character indicated, a bearing housing comprising a unitary block of sound deadening material having a transverse bearing opening therein, a bearing mounted in said transverse opening, supporting feet permanently secured directly to opposite sides of said unitary block of sound deadening material and having means for attachment to a support, said feet being extended beyond said body of sound deadening material in the direction of said support, whereby said body of sound deadening material is maintained out of contact with the support, for the purpose described.

2,135,903
COFFEE-MAKING APPARATUS
James H. Lieber, St. Louis, Mo.
Application March 20, 1936, Serial No. 69,874
3 Claims. (Cl. 53—3)



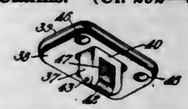
1. In combination with a coffee urn gauge glass, a tank at the upper end of the glass, a coffee liquid eduction tube extending from a point within the upper portion of the tank to depend into the glass, a suction line communicating with the upper portion of the tank, an urn communicating outlet from the lower portion of the tank, a float operative in the tank, and a valved vent in the upper portion of the tank controlled by the said float.

2,135,904
DRIVE GEARING FOR WASHING MACHINES AND THE LIKE
Herbert Harold Lindstrom, Kansas City, Mo., assignor of one-half to A. O. Long, Kansas City, Mo.
Application May 25, 1937, Serial No. 144,699
Renewed April 25, 1938
7 Claims. (Cl. 74—32)



1. Gearing of the class described including a rotatable element having a continuous series of teeth thereon forming a loop extending partly around said element and having spaced arcuate end portions and parallel side portions, sets of teeth interposed between the arcuate ends of said loop, means operated by the rotation of said element for shifting the interposed teeth into alinement with the teeth forming the parallel sides of the loop and at the same time withdrawing some of the teeth from within the arcuate end portions of the loop, a movably supported gear meshing with the teeth, and means for driving the gear.

2,135,905
LOCK
Grady A. Loftin and Laurence K. Loftin, Altavista, Va., assignors to The Lane Company, Inc., Altavista, Va., a corporation of Virginia
Application July 26, 1935, Serial No. 33,365
9 Claims. (Cl. 292—340)

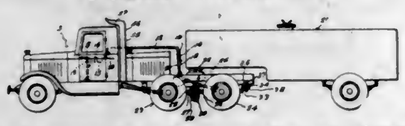


1. In a lock including a casing having an opening in the wall thereof and a spring operated latch member in said casing, a keeper member adapted to penetrate the opening in said casing for locking engagement with said latch member and being freely movable in every direction in a plane perpendicular to the direction of engagement said keeper member being tapered at its tip so as to freely enter the opening in said casing and being shaped at its base to substantially fill the opening in the casing whereby the keeper is caused to assume a constant fixed position in said casing relative to said latch.

8. In a lock including a casing having an opening in the wall thereof and a spring-operated latch member in said casing, a keeper member

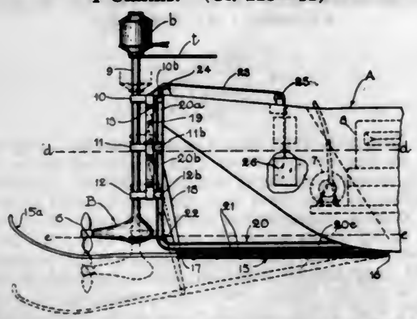
adapted to penetrate the opening in said casing for locking engagement with said latch member, said keeper member comprising a mounting plate and a yoke shiftably carried in said mounting plate and a latch engaging roller rotatably carried by said yoke, said yoke being tapered at the end carrying the roller so as to freely enter the opening in said casing and being shaped at its base to substantially fill the opening in the casing whereby the keeper is caused to assume a constant fixed position in said casing relative to said latch.

2,135,906
AUTOMOTIVE VEHICLE
Edward C. Merry, Dickinson, N. Dak., assignor to J. Vernon Neville, Forsyth, Mont.
Application March 20, 1936, Serial No. 69,969
5 Claims. (Cl. 180—22)



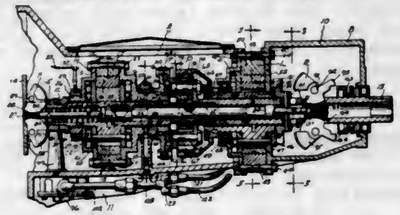
1. A motor vehicle comprising an elongated frame having a rear pay load carrying portion, tandem wheel assemblies supporting the rearward portions of said frame, said wheel assemblies including at least a pair of driving axles each driving a pair of wheels and operably connected to said frame, a first internal combustion engine carried by said frame at the front of the vehicle and projecting upwardly above said frame, a second internal combustion engine carried by said frame at the fore part of the vehicle behind said first engine and projecting upwardly above said frame, both of said engines being located forward of the pay load carrying portion of the frame, a first drive shaft below said frame connected to and running directly rearwardly from said first engine to one of said driving axles and operatively connected therewith and a second drive shaft below said frame connected to and running directly rearwardly from said second engine to the other of said driving axles and operatively connected therewith.

2,135,907
MARINE PROPULSION UNIT
Harold W. Miller, Charlevoix, Mich.
Application February 17, 1936, Serial No. 64,286
4 Claims. (Cl. 115—41)



1. A marine propulsion unit comprising a hinged frame vertically disposed to have its upper and lower members extending substantially horizontally and an intermediate member extending substantially vertically, said frame at the front ends of its horizontally extending members being adapted to be hinged to the hull of a vessel and to be adjustably limited in its downward movement relative thereto; a power driven propeller unit rotatably secured to the intermediate member of said frame and bodily movable therewith, said unit including a screw propeller, a substantially vertical power transmission shaft therefor and an internal combustion engine of the outboard type operatively connected therewith; and a propeller protecting member extending beneath the propeller and secured to said intermediate frame member and adapted to move said frame in response to its movements occasioned by obstructions of the channel.

2,135,908
POWER TRANSMISSION
Roy E. Millican, Dallas, Tex., assignor to L. R. Munger, trustee, Dallas County, Tex.
Application March 27, 1933, Serial No. 662,971
52 Claims. (Cl. 74—293)



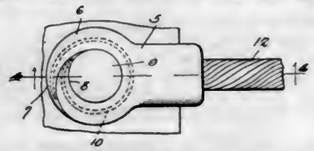
1. A transmission comprising, a power shaft, a drive shaft, a transmitting element connected with the shafts, a low speed brake connected with said transmitting element, a high speed clutch connected with the power shaft and with said transmitting element, a low speed governor operated by the power shaft, controlling means for the low speed brake operated by the low speed governor, a high speed governor operated by the drive shaft, controlling means for the high speed clutch operated by the high speed governor, and means for locking the high speed clutch to the power shaft to render said clutch inactive.

2,135,909
PROCESS FOR REMOVING MUD SHEATHS FROM GEOLOGICAL FORMATIONS
Louis T. Monson, Alhambra, Calif., assignor to Tretolite Company, Webster Groves, Mo., a corporation of Missouri
No Drawing. Application August 21, 1936, Serial No. 97,173
6 Claims. (Cl. 166—21)

1. A process for removing mud sheaths from well bores, which consists in subjecting such sheaths to the action of a relatively stable aqueous emulsion of the oil-in-water type, in which the disperse phase is a water-insoluble oil solvent, and the continuous aqueous phase contains a reagent, capable of reacting chemically with a component of said mud sheaths, which dispersion is stabilized by an organic dispersing agent.

2,135,910
BATTERY TERMINAL
Clarence E. B. Nelson, Beaumont, Calif.
Application December 10, 1936, Serial No. 115,221
1 Claim. (Cl. 173—259)

A battery connection comprising a body portion constructed of yieldable conductive material, said body portion including a split ring section, the ends of the split ring section being held in overlapped engagement with each other and tapered to fine feather-like ends, a spring member embedded in the split ring section and extending to points adjacent to the ends of the split ring section the ends of the spring member



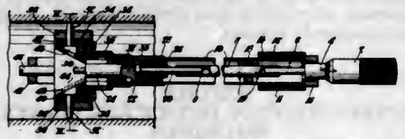
overlapping and adapted to urge the overlapping sections of the split ring section inwardly, and said split ring section adapted to be positioned over a battery terminal, securely gripping the battery terminal.

2,135,911
SHEARING OR CUTTING TOOL
Karl Gustaf Östberg, Stockholm, Sweden, assignor to Fabriksaktiebolaget Haldataxametern, Halmstad, Sweden, a company of Sweden
Application December 30, 1936, Serial No. 118,356
In Sweden February 12, 1936
7 Claims. (Cl. 164—41)



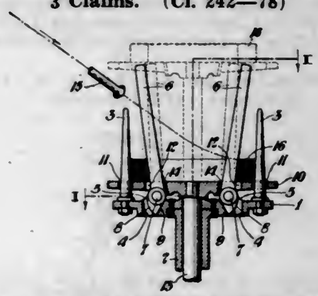
1. A tool for shearing or cutting metal plates or the like comprising in combination a first shearing blade, a second shearing blade, pivot means for connecting together said first shearing blade and said second shearing blade at an extreme end of each blade for relative movement of the blades in a common shearing plane, said first and said second shearing blades having in cross section the shape of a narrow wedge pointing towards the common shearing plane, a handle at the free end of said first shearing blade, and supporting means at the free end of said second shearing blade, the upper side of said second shearing blade being plane without obstructions and forming a support for the plate to be sheared.

2,135,912
INTERNAL DIAMETER MICROMETER
John Rae, Ellwood City, Pa., assignor to National Tube Company, a corporation of New Jersey
Application August 20, 1936, Serial No. 97,056
7 Claims. (Cl. 33—164)



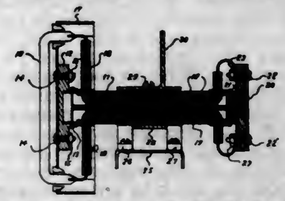
1. An inside diameter micrometer comprising a standard micrometer including a head, a body and a spindle, an extension tube secured to said spindle, a barrel removably connected to said body, bearings positioned on said tube, a spindle having a pad at one end secured to the free end of said tube, a threaded collar free on said spindle, a cylindrical headstock receiving the pad of said spindle and engaging with said collar whereby axial motion only is transmitted to said headstock from said spindle, a rectangular cover connected to the free end of said barrel, a box having open ends and a tapered aperture through two opposite sides removably connected to said cover, slides snugly received in said box and limited to motion in a plane perpendicular to the axis of said headstock, a wedge block which is rectangular in cross-section and trapezoidal in longitudinal section having its tapered sides at an angle of 53 degrees, 8 minutes with each other received in said aperture in said box and mounting said slides by means of a sliding interlock, said wedge being removably secured to said headstock, a tailstock integral with said wedge extending out perpendicularly from the base of said wedge, a guide positioning said tailstock removably secured to said box, anvils removably secured to said slides, springs positioned around said anvils, and end covers which force said springs against said slides, said end covers covering the end of said box and being removably secured thereto.

2,135,913
REELING DEVICE
Harley C. Ralston, Cleveland, Thomas D. Williams, Garfield Heights, and Frank Mako, Cleveland, Ohio, assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application December 7, 1936, Serial No. 114,680
3 Claims. (Cl. 242—78)



1. A coiling device comprising a revoluble base member, a platform positioned adjacent said base member, a plurality of arms pivotally secured to said base member and extending through said platform, means to move said platform toward and away from said base member, and means rendered effective by said movement for oscillating said arms toward and away from each other.

2,135,914
ADVERTISING DEVICE
William Rydberg, Minneapolis, Minn.
Application August 12, 1937, Serial No. 158,717
12 Claims. (Cl. 40—130)



1. A sign including rockable letters, a hollow shaft secured to substantially the mid-portion of each letter to be rocked, luminescent tubes carried by the letters and having definite character form, electrical conductors extending through the

hollow shaft and connected to the luminescent tube, each letter formed of sufficient depth to form a housing for enclosing the connection of the conductors and the tubes, bearing members for supporting the shaft, a member attached to the shaft and having an arm extending therefrom substantially parallel to the letter, and the arm connected to a power-imparting mechanism.

2,135,915

BASIS MASS FOR DENTAL REPAIR PARTS

Friedrich Schönbeck, Berlin-Biesenthal, and Hermann Schröder, Berlin, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application June 5, 1935, Serial No. 25,194. In Germany June 5, 1934

4 Claims. (Cl. 106—6)

1. A basic body for dental repair parts formed from a supporting body and a basis mass combined therewith and comprising at least 25% of calcined magnesium silicate in combination with a dental ceramic ground mass, which contains a substantial quantity of silicates selected from the group consisting of the silicates of sodium, potassium and aluminium.

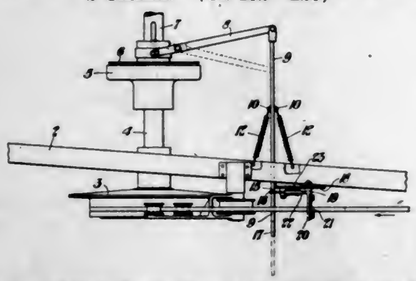
2,135,916

AUTOMATIC STOP FOR TAKE-UP BLOCKS

Edward F. Schuman, Garfield Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Application June 30, 1937, Serial No. 151,285

2 Claims. (Cl. 192—126)



1. In combination with the coiling of coils of narrow strip steel including a take-up block and driving means therefor, means for automatically disengaging the take-up driving means from said take-up block upon abnormal variations in the predetermined thickness of the strip steel being wound upon said take-up block, said last mentioned means including a lever pivotally connected to said driving means, a lever pivotally connected to said first mentioned lever and extending transversely thereof, a tripping lever pivotally supported on the take-up block frame and means on said transversely extending lever engaging means on said take-up block support for holding said first mentioned lever in cooperative position with said driving means for maintaining a driving connection between the driving means and the take-up block, said tripping lever movable about its axis by abnormal variations in the predetermined thickness of the material being wound upon said take-up block to automatically disengage the driving means from said take-up block and prevent further rotation of said take-up block until that portion of the strip steel having the abnormal thickness has been removed from the strip.

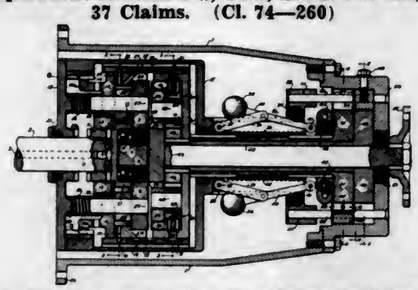
2,135,917

AUTOMATIC TRANSMISSION

Frederick W. Seybold, Westfield, N. J.

Application November 2, 1936, Serial No. 108,712

37 Claims. (Cl. 74—260)



1. In a transmission unit, a drive shaft having pinion means thereon, a casing rotatably supported on said drive shaft, a driven shaft rotatable with respect to said casing and having a driven assembly rotatable therewith and disposed in said casing, a primary floating assembly in said casing haveing a planetary connection with said driven assembly, a secondary floating assembly slidably connected to said casing having planetary connections with said primary floating assembly, said driven assembly and said drive shaft pinion means, and means operable to lock one of said floating assemblies against rotation in one direction or the other floating assembly against rotation in the opposite direction to cause low ratio rotation of said driven shaft in one or the other direction.

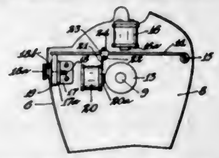
2,135,918

ELECTROMECHANICAL OPERATOR FOR COPY HOLDERS

Ralph V. Streeter, Minneapolis, Minn.

Application January 21, 1938, Serial No. 186,135

4 Claims. (Cl. 74—142)



4. Electromechanical apparatus including, a rotatably mounted magnetic member, an electromagnet situated for magnetically adhering to said member and being movable radially thereof for engagement with and disengagement from the same, electromagnetic means operatable when energized to shift said electromagnet generally circumferentially of said member, and means for electrically energizing said electromagnet and said electromagnetic means.

2,135,919

ELECTRIC CONTROL DEVICE FOR LINOTYPE MACHINES

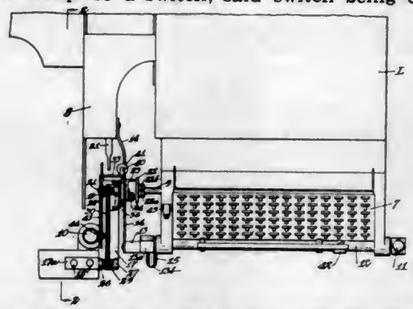
Ralph V. Streeter, Minneapolis, Minn.

Application January 21, 1938, Serial No. 186,136

12 Claims. (Cl. 199—31)

1. In combination with a type-casting machine having a vertically movable assembling elevator, power-operated means for vertically moving said elevator including, a rotatable operating shaft, a rotatable body of magnetic material disposed co-axially of said shaft and adapted to be connected to a source of rotary mechanical power,

an electromagnet mounted on said operating shaft closely adjacent said body and adapted, when energized, to adhere to said body to frictionally connect the same to said shaft, mechanism driven by said operating shaft to apply lifting effort to said elevator, an electrical contact element connected to said electromagnet, a vertically movable member above said element, a second electrical contact element mounted on said member and adapted for engagement with said first mentioned contact element to therewith comprise a switch, said switch being con-



nected in series with said electromagnet, releasable means normally supporting said member in raised position to maintain said switch open, means manually actuatable to release said supporting means to effect closure of said switch, and means operating responsive to movement of said elevator to raise said member when said machine has reached a predetermined point in its cycle of operation, said supporting means being constructed to resume support of said member when said member has been placed in a raised position thereof.

2,135,920

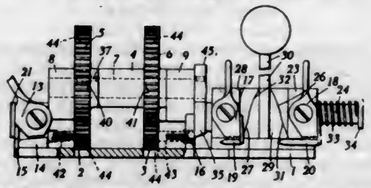
STRAPPING MACHINE

Harold John Taplin, London, England, assignor to Gerrard Industries Limited, London, England

Application December 14, 1936, Serial No. 115,886

In Great Britain February 27, 1936

6 Claims. (Cl. 140—93)



1. A hand-operated strapping machine comprising an oscillating lever or the like, a twisting pinion, unidirectional clutches for connecting said oscillating lever or the like to said twisting pinion during oscillation in either direction, and reversing gearing through which said oscillating lever or the like is connected to said twisting pinion during oscillation in one direction.

2,135,921

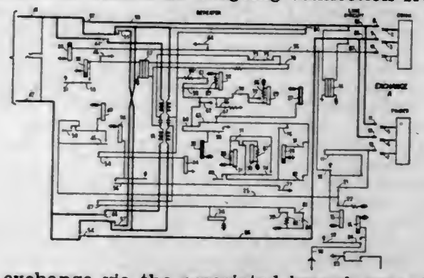
AUTOMATIC TELEPHONE SYSTEM

Norman H. Saunders and Ralph R. Fowler, Chicago, Ill., assignors, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application September 12, 1935, Serial No. 40,196

21 Claims. (Cl. 179—16)

1. In a telephone system, two exchanges, finder and connector switches in each exchange, a two-way trunk line connecting said exchanges, a repeater associated with said trunk line at each end thereof, and two branches of said trunk line at each end, one branch accessible to connector switches to extend an outgoing connection from



an exchange via the associated branch repeater and the other branch accessible to finder switches to find the trunk line over which an outgoing connection has been extended from another exchange.

2,135,922

METHOD OF REFINING MINERAL OILS BY MEANS OF INORGANIC FLUORINE COMPOUNDS

Ernst Terres, Berlin, Germany, and Josef Moos, New York, and Hans Ramser, Long Island City, N. Y., assignors to Edeleanu Gesellschaft m. b. H., a corporation of Germany

No Drawing. Application October 25, 1937, Serial No. 170,975

15 Claims. (Cl. 196—13)

1. A method of refining a mineral oil comprising extracting the oil with a selective solvent comprising a liquefied inorganic fluorine compound containing sulfur, to produce a separation into relatively paraffinic and non-paraffinic phases, separating the phases from each other and recovering the solvent therefrom.

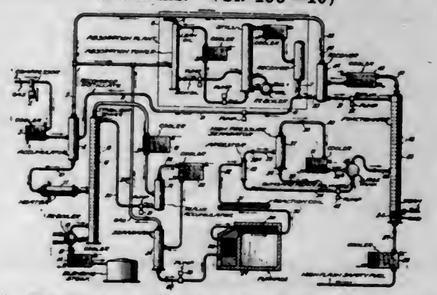
2,135,923

METHOD AND APPARATUS OF PRODUCING A HIGH FLASH SAFETY FUEL

John W. Throckmorton, New York, N. Y., assignor, by mesne assignments, to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

Application October 27, 1933, Serial No. 695,429

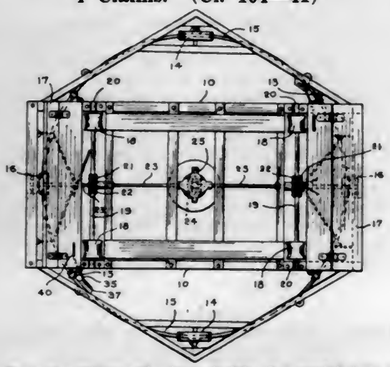
9 Claims. (Cl. 196—10)



1. The process of manufacturing a high flash, high anti-knock motor fuel from a gas rich in unsaturates which has been liquefied and subjected to exothermic polymerization under elevated temperatures and pressures suitable for converting said gas to hydrocarbons boiling within the gasoline boiling range which comprises the steps of commingling the hot products issuing from the polymerization zone with relatively cool liquefied light quench distillate in

order to lower the temperature of said products below conversion temperature, but not below the vaporizing temperature of the gasoline boiling range constituents, passing the partially cooled products into a separating zone maintained under conditions of temperature and pressure sufficient to condense hydrocarbons boiling above the gasoline boiling range, but insufficient to condense any substantial quantity of gasoline boiling range hydrocarbons, withdrawing condensate from the separating zone separately from the gases and vapors and eliminating it from the system, cooling the remaining gases and vapors sufficiently to condense a portion of the vapors, returning condensed vapors to the quenching step, fractionating the remainder of the gases, vapors and condensate, and separating therefrom a condensate boiling within the gasoline boiling range.

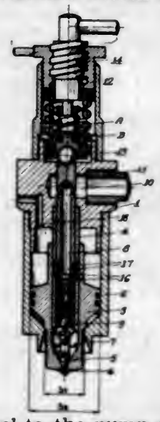
2,135,924
TURNTABLE
Peter W. Toews, deceased, late of Swalwell, Alberta, Canada, by Peter B. Toews, Bircham, Alberta, Canada, and Henry L. Toews, Sunnyslope, Alberta, Canada, executors
Application September 4, 1936, Serial No. 99,491
In Canada December 3, 1935
4 Claims. (Cl. 104—41)



1. In an automatic turntable for vehicles comprising a turntable structure revolvably mounted on a track, a platform extending across said turntable structure, stop boards hinged on each end of said platform, toggle joints having their free ends respectively pivoted to said stop boards and to the turntable structure, push rods connected to said toggle joints for collapsing and extending said joints to raise or lower said stop boards, trip bars pivoted at one end to said turntable and pivotally connected intermediate their length to said push rods and stationary means beneath said turntable adapted to be engaged by said trip bars upon revolving of the turntable, whereby said trip bars are rocked to actuate said push rods.

2,135,925
FUEL INJECTING DEVICE FOR INTERNAL COMBUSTION ENGINES
Jean Edouard Tuscher, Petit Ivry, France
Application November 8, 1937, Serial No. 173,513
In France November 13, 1936
10 Claims. (Cl. 123—139)

1. A fuel injection device for internal combustion engines, comprising a casing fixed on the cylinder of the engine, a p'ston displaceable in said casing and actuated by the gases under pressure of said cylinder, a longitudinal bore in said piston, a fixed plunger engaged in said bore, a pump chamber formed between the lower end of said fixed plunger and the lower end of said bore and projecting inside the cylinder, atomization orifices placing said chamber in communication with said cylinder, a bore in said fixed plunger, an injection needle sliding in the bore of said plunger and bearing on the end of the pump chamber for controlling said atomization orifices, hydraulic means for displacing the needle relatively to the pump chamber to open said atomization orifices, a channel within said needle for



supplying the fuel to the pump chamber, means for automatically cutting off the communication between said channel and said pump chamber, and resilient means acting on said needle to bring same back to its closed position and for resiliently balancing the thrust of the gases, said resilient means comprising a first spring which is operative throughout the stroke and a second spring which becomes operative towards the end of the stroke to resiliently balance the thrust of the gases during the entire stroke.

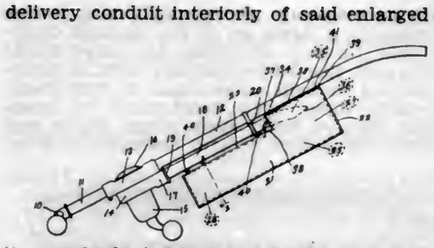
2,135,926
HONE
William Vanlandingham, Des Moines, Iowa
No Drawing. Application March 1, 1937, Serial No. 128,464
4 Claims. (Cl. 51—280)

3. An improved hone, comprising a body melted and moulded into the form of a hone and containing relatively small and substantially equal parts of a finely divided abrasive and finely divided metal of such degree of pliability that such portions thereof that project above the surface of the hone will be bent down into the pockets or depressions in the surface of the hone and around portions of the abrasive particles by the pressure usually applied to a blade during a honing operation, said abrasive and metal being evenly distributed throughout the body.

2,135,927
VACUUM CLEANER
Leonard B. Voorhees, Euclid, Ohio, assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio, a corporation of Delaware
Application February 27, 1929, Serial No. 343,099
7 Claims. (Cl. 183—51)

1. In a vacuum cleaner, a collecting bag having an enlarged upper portion and a reduced lower portion, a delivery conduit lying alongside said reduced portion and entering said bag intermediately of said enlarged and reduced portions, and a deflector associated with the terminal of said

delivery conduit interiorly of said enlarged por-



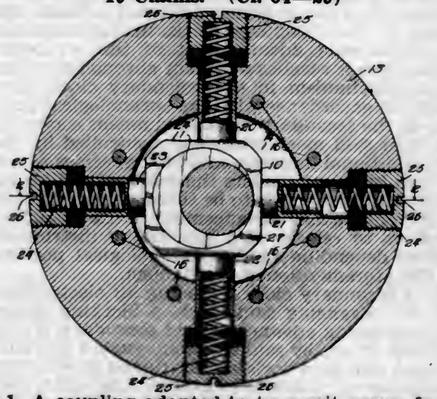
tion, and adapted to direct the incoming air current in the direction of said reduced lower portion.

2,135,928
AUXILIARY MUSIC RACK
Fonville Winans, Fort Worth, Tex., assignor to Jenkins Music Company, Kansas City, Mo., a corporation of Missouri
Application March 15, 1937, Serial No. 130,830
3 Claims. (Cl. 45—82)



1. A music rack including in combination a clamp adapted to be secured to a pivoted music rest of a piano, a supporting member hingedly attached to said clamp, means for varying the length of said supporting member, a music rack, means for adjustably positioning said music rack on said supporting member, and adjustable means carried by said rack adapted to engage a portion of said piano for preventing the piano music rest from pivoting.

2,135,929
COUPLING FOR POWER SHAFTS
Frank J. Wood, Riverside, Ill.
Application August 27, 1937, Serial No. 161,322
10 Claims. (Cl. 64—29)



1. A coupling adapted to transmit power from a driving shaft to a driven shaft, including: an eccentric on one of said shafts; and a resilient member on the other of said shafts opposing rotation of said eccentric with respect thereto.

2,135,930
GRAPPLE FORK LOCK AND HEAD
William H. Zehner, Ashland, Ohio, assignor to The F. E. Myers & Bro. Co., Ashland, Ohio, a corporation of Ohio
Application October 22, 1936, Serial No. 106,947
13 Claims. (Cl. 294—109)



1. In a grapple fork provided with a plurality of tines, a head member comprising lateral extensions, and connections between the extensions and the tines, a locking member having locking devices to interconnect and disconnect the head member and the locking member, said plurality of tines being pivotally supported on said locking member, and tension means connected to said locking member for closing said tines.

2,135,931
CORSELET
Dorothy W. Adair, New York, N. Y.
Application June 18, 1937, Serial No. 148,840
1 Claim. (Cl. 2—43)

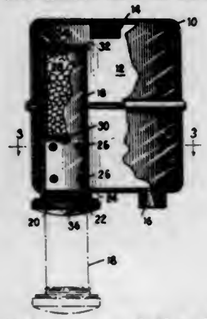


A corselet of the slip-on type comprising a garment having a narrower part for overlying the front of the body below the midriff to restrain a protruding stomach and having wedge-shaped slits formed on opposite sides at each side, the points of said slits terminating a short distance from the bottom edge of the garment, elastic members inserted in the garment adjacent to said slits, eyelets inserted in the edges of the slits from the top nearly to the bottom of the garment, laces inserted in said eyelets for drawing the slits together so that the tension around the upper edge of the garment will be greater than around the lower edge when worn by the user, the elastic members doubled over and made narrower at the top edge than at the bottom edge so as to still further increase the tension on the top edge, the elastic members adjacent the front part being shortened adjacent the front part to lessen the tension and to prevent binding of the lower edge on the front part of the stomach, and stiffening members inserted behind each row of eyelets to cause the slits to be drawn together evenly, the garment being of such a width at the front as to extend from the waist to the diaphragm.

2,135,932
FLUID IMPREGNATING DEVICE
Max J. Belmont, New York, N. Y.
Application July 19, 1937, Serial No. 154,402
5 Claims. (Cl. 299—84)

1. In a water-impregnating device, the combination comprising means providing a chamber,

inlet means leading into said chamber, outlet means leading out of said chamber, means providing a second chamber, inlet and outlet means for said second chamber and in communication with said first chamber and not in the direct line of flow of the first-mentioned chamber and spaced from the direct line of flow between said



inlet and outlet means of the first-mentioned chamber, and means adapted for preventing the passage of solid material through said inlet and outlet means of said second chamber while said last-mentioned means are in operation, said second chamber being at least in part positioned within said first chamber.

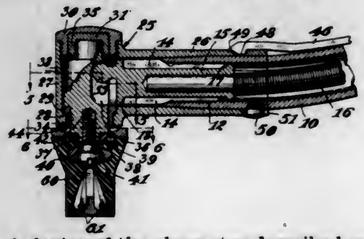
2,135,933

DENTAL INSTRUMENT

James H. Blair, Staten Island, N. Y., assignor to Chayes Dental Instrument Corporation, New York, N. Y., a corporation of New York

Application December 14, 1935, Serial No. 54,361

2 Claims. (Cl. 128—48)



2. A device of the character described comprising a sleeve, a rotatable shaft therein, a member extending from one end thereof eccentrically relative to the shaft, a housing attachable to said sleeve, said housing being made up of a tubular portion fitting around the end of said sleeve and a cylinder at substantially right angles to the tubular portion, and a piston in said cylinder, said piston having a longitudinal slot therein for the reception of said eccentrically mounted member whereby rotation of said shaft causes oscillation of said piston about the axis thereof, said piston being held against axial movement, said piston having a work end extending through said housing with a knob on the end thereof to fit in a socket in a massage tip.

2,135,934

ROTARY FURNACE

George F. Blasier, North Tonawanda, N. Y., assignor to Buffalo Bolt Company, North Tonawanda, N. Y., a corporation of New York

Application December 17, 1937, Serial No. 180,300

28 Claims. (Cl. 263—33)

1. A tubular furnace, means for peripherally supporting and rotating it to advance a stream of articles or materials therethrough, and means for projecting a flame jet in the opposite direction; said furnace including an outer shell; spaced-apart, inwardly-extending annular bearings carried by said outer shell; a cylindrical, single-piece inner shell constructed of heat-resisting plate or heavy sheet metal, fitting and longitudinally splined to said bearings; and re-



fractory heat-insulating aggregate packed in the interspaces between said shells and said bearings; said inner shell extending beyond the outer shell at the exit end of the furnace and having therein an annulus of refractory heat insulating material formed with internal diverging surfaces serving as an expansion nozzle for a flame jet projected therethrough.

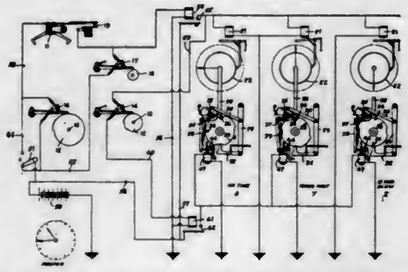
2,135,935

SYNCHRONOUS CLOCK SYSTEM

James W. Bryce, Bloomfield, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application April 11, 1934, Serial No. 720,015

7 Claims. (Cl. 58—24)



1. A synchronized clock system including a master clock and a secondary clock, means in the master clock for sending normal driving impulses periodically to the secondary clock, means in the secondary clock controlled by said impulses to advance it accordingly, a device controlled by the master clock for sending additional periodic impulses to the secondary clock, instrumentalities for restraining advancement of the secondary clock when it reaches a certain chronological position, mechanism in the secondary clock positioned in accordance with the chronological position of the secondary clock, and means cooperating with said mechanism and controlled by the said additional impulses so that the receipt of one of such impulses renders the said restraining instrumentalities either to be subsequently effective to prevent further advancement of the secondary clock or to release said restraining instrumentalities depending on the chronological position of the aforementioned mechanism.

5. A secondary clock including an electromagnet for advancing said clock, a blocking device for restraining advance of said secondary, a cam member driven by said electromagnet, a plurality of cam followers variably positioned at different chronological positions of said cam member, connecting linkages cooperating with said cam followers and said blocking device, and electromagnetic means common to both cam followers for controlling one or the other to control the operation of said blocking device.

2,135,936

PAINT AND PROCESS FOR PRODUCING THE SAME

David L. Gamble and Lester D. Grady, Jr., Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application August 24, 1935, Serial No. 37,774

11 Claims. (Cl. 134—39)

2. A method of making a thixotropic paint which comprises incorporating in an oil paint vehicle water and a pigment having its surfaces coated with a hydrophile substance that is substantially insoluble in said paint vehicle and is more readily wetted by water than by the oil paint vehicle, said substance being selected from the group consisting of gum arabic, water soluble metal salts of arabic acid, gum tragacanth, Irish moss, agar-agar and dextrine.

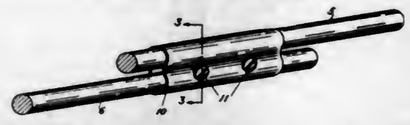
2,135,937

COUPLING FOR WIRES OR ELECTRICAL CONDUCTORS

George B. Gordon, New York, N. Y.

Application March 25, 1937, Serial No. 132,912

1 Claim. (Cl. 173—263)



The combination of two spaced conductors, a sleeve having parallel tubular portions tightly embracing the conductors and limiting the outward displacement thereof, a constricted portion for the sleeve lying between the tubular portions and having coinciding apertures provided therethrough, and screws of a material harder than said sleeve and said conductors inserted under pressure between the conductors and through the coinciding apertures in the constricted portion to a point where their heads contact against said sleeve, said screws in their passage extruding metal from the conductors and forming grooves in the adjacent surfaces thereof, said screws forming a unitary structure between the tubular sleeve and the conductors to hold them in intermeshed relation with each other through the screws and to provide increased conductivity between the conductors and the sleeve, the undersides of the screw-heads being tightly contacted under high pressure against the sleeve so as to lock the screws in positive engagement to prevent loosening of the electrical and mechanical contact during vibration.

2,135,938

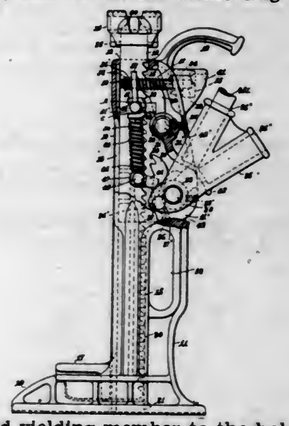
LIFTING JACK

Frank L. Gormley, Brookline, Mass., assignor to The Buda Company, Harvey, Ill., a corporation of Illinois

Application December 14, 1937, Serial No. 179,669

18 Claims. (Cl. 254—111)

1. A ratchet lifting jack consisting of a vertically movable rack having a plurality of rack teeth; a lifting pawl; a holding pawl; means for oscillating said lifting pawl; a yielding member supported on said lifting pawl and movable therewith; and means for connecting the upper



end of said yielding member to the holding pawl preparatory to the lowering of the load.

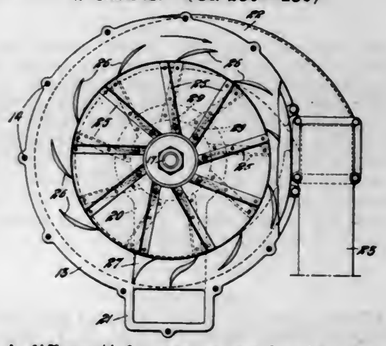
2,135,939

DIFFERENTIAL PRESSURE MECHANISM

William Harper, Jr., Port Washington, N. Y., assignor to H. B. Motor Corporation, New York, N. Y., a corporation of New York

Original application December 8, 1932, Serial No. 646,839. Divided and this application May 21, 1936, Serial No. 81,003

2 Claims. (Cl. 230—130)



1. A differential pressure mechanism comprising a casing, a flange in said casing having an opening adjacent the periphery, a driven rotatable disc in cooperating running contact with the edge of said flange and dividing said casing into opposite low and high pressure chambers connected by said opening, said chambers being in the form of flat spirals increasing in area in the direction of rotation of said disc, and impeller blades on both sides of said disc in close running contact with the adjacent walls of said casing, the cooperating edges of said flange and disc being beveled and sloping outwardly into said high pressure chamber.

2,135,940

AIR TUBE PACKING

Hanns Heil, Munich, Germany, assignor to the firm Deutsche Kurtin-Oel-Fabriken, Neubiberg, near Munich, Bavaria, Germany

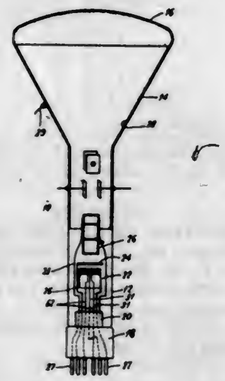
No Drawing. Application June 27, 1936, Serial No. 87,663. In Germany April 18, 1934

5 Claims. (Cl. 134—17.5)

1. A puncture sealing composition for the air

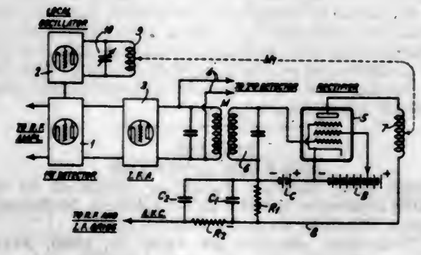
tubes of pneumatic tires containing filling material insoluble in oil and water, agglutinants, and metal-soaps selected from the group consisting of zinc-, lead- and aluminum-soaps, the metal soaps being dissolved colloidally in inspissated saponifiable oils emulsified with water.

2,135,941
ELECTRODE STRUCTURE
Julius Hirmann, Hillside, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 9, 1935, Serial No. 15,388
4 Claims. (Cl. 250—27.5)



2. An electron discharge device including an enclosing vessel, a cathode, and an anode, said cathode being supported in compression between two perforated members, one of said members lying between said cathode and anode and a perforated electrode member carried upon the perforated member intermediate the cathode and anode, said last named electrode being adapted to have impressed therein a variable potential for modulating a beam of electrons emanating from said cathode.

2,135,942
AUTOMATIC GAIN CONTROL CIRCUIT
Winfield R. Koch, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application July 6, 1934, Serial No. 733,987. Patent No. 2,082,961, dated June 8, 1937. Divided and this application May 8, 1937, Serial No. 141,416
7 Claims. (Cl. 250—20)



4. In combination with a signal amplifier of a radio receiver, a pair of space discharge devices connected in voltage doubling relationship, a load resistor in series with the space current paths of said devices, means for impressing alternating current voltage to be rectified upon said devices, and additional means responsive to signal amplitude changes for varying the direct current voltage developed across said load resistor.

2,135,943
VISIBLE SHIFT BINDER
John H. O. Kornahrens, Rego Park, N. Y., assignor to The C. E. Sheppard Co., Long Island City, N. Y., a corporation of New York
Application July 29, 1937, Serial No. 156,286
1 Claim. (Cl. 129—17)

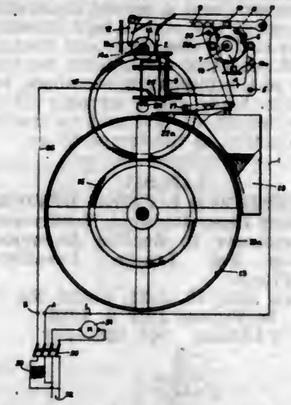


A loose leaf binder, comprising a frame having two hinged parts, a box forming plate attached to each of said parts, hinge knuckles carried by one of said box forming plates, a slide mounted on said one of said plates and having hinge knuckles in alignment with the hinge knuckles thereof and spaced to permit relative sliding movement therebetween, a cover having hinge knuckles positioned between the hinge knuckles of said slide and a hinge pin extending through all of said hinge knuckles to hingedly secure said cover to said slide and to slidably secure said slide to said part, one of said plates carrying a tongue adapted to enter an aperture in the other of said plates, an ear on said slide extending through an elongated slot in the corresponding plate and a member carried by said ear having a surface engaging said plate to secure said slide in position and having a flange registering with said aperture to prevent said tongue from entering the same except when said slide is in normal position.

2,135,944
RECORDING APPARATUS
Joseph William Miles, London, England, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application October 4, 1934, Serial No. 746,866
In Great Britain October 5, 1933
3 Claims. (Cl. 234—59)

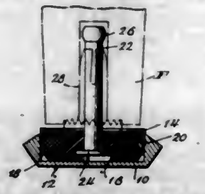
1. In a time recording device, record receiving means comprising a chemically impregnated chart, a timing device for moving said chart at a predetermined rate, means controlled by said timing device for periodically moistening said chart, and current conducting means moved into

engagement with said moistened chart under control of said timing device for effecting a re-



cording operation by electrolytic action of the chemical in said chart.

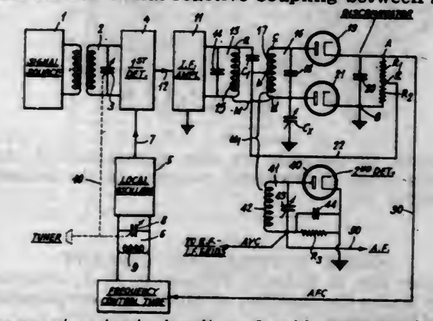
2,135,945
FURNITURE LEG SHOE
Robert E. Miller, Bronxville, N. Y.
Application April 12, 1937, Serial No. 136,297
4 Claims. (Cl. 16—42)



1. A furniture leg shoe provided with a hollow member having a flat lower surface adapted to contact with the floor without marring it and having a hollow therein provided with cylindrical side walls, an element of compressible resilient material having substantially cylindrical side walls, and adapted for insertion into said hollow member, and contoured and dimensioned so as to engage the inner walls of said hollow member under slight pressure, an attaching device passing through said element, said device being provided with a flat head, a recess formed in the under wall of said element and positioned and dimensioned so that the head of said device is adapted to contact the upper wall of said recess and to leave an air space beneath said head, and recesses provided in the periphery of said element, said peripheral recesses being closed by the contact between the walls of said member and said element, and the fit of said element within said hollow member being so close as to contract the sides of said peripheral recesses whereby removal of said element from said member will be resisted.

2,135,946
AUTOMATIC FREQUENCY CONTROL CIRCUIT
Garrard Mountjoy, Bayside, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 21, 1937, Serial No. 138,107
5 Claims. (Cl. 250—20)

1. In a superheterodyne receiver of the type including an intermediate frequency amplifier having a resonant output circuit, a discriminator unit including a pair of opposed rectifiers having a common input circuit, and a demodulator having a resonant input circuit, means for reactively coupling said resonant output circuit and said common input circuit, means for reactively coupling said demodulator input circuit and said common input circuit, each of said resonant circuits being tuned to the same carrier frequency, and an additional reactive coupling between said



resonant output circuit and said common input circuit, said additional reactive coupling being of a sign opposite to that of the reactive coupling between the output circuit and said common input circuit, and the phase relation between said latter two reactive couplings being so chosen that the overall response curve of the three coupled resonant circuits is provided with substantially complete cut-off at a predetermined frequency distance from the mid-band frequency.

2,135,947
KEYBOARD CONTROL
Harry J. Nichols, Dayton, Ohio, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application February 11, 1935, Serial No. 5,958
1 Claim. (Cl. 197—107)

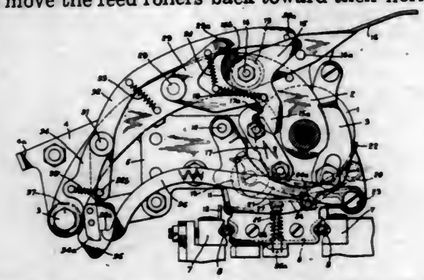


In keyboard interlocking mechanism in combination with a plurality of key levers and a slotted guide member therefor, a pair of interlocking members, means for pivotally mounting said members on said guide member comprising a stud extending through said guide and having a portion on one side of said guide for mounting one of said members, and having a portion of reduced diameter extending to the other side of said guide, and a sleeve rotatably mounted on said reduced portion, said sleeve providing a mounting for the other of said interlocking members.

2,135,948
TYPEWRITING MACHINE
John L. Petz, Rochester, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application March 2, 1937, Serial No. 128,568
23 Claims. (Cl. 197—133)

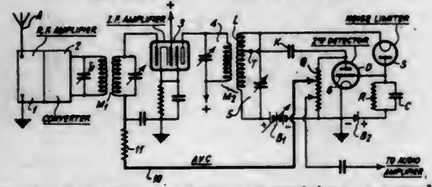
1. In a continuous billing machine, the combination of a displaceable platen, feed rollers cooperating with the platen to feed work sheets, means to press the feed rollers against the platen

and tending to cause the feed rollers to follow the platen in its displacing movement, and means to move the feed rollers back toward their normal



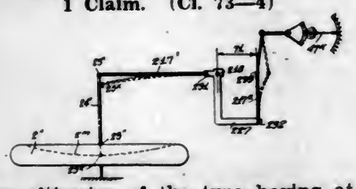
position in advance of the restoration of the platen from a displaced position to its normal position.

2,135,949
NOISE SUPPRESSOR CIRCUIT
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 17, 1937, Serial No. 148,627
10 Claims. (Cl. 250—20)



1. A detector system comprising a multi-electrode tube having its plate and cathode connected to a common signal input circuit as a rectifier, said tube including a control grid in the electron stream between the cathode and plate, a second rectifier connected to said input circuit to produce rectified current in proportion to the excess of input voltage above a predetermined level, and a connection from the control grid of said first tube to the said second rectifier to impress rectified voltage from the latter on the grid.

2,135,950
ALTIMETER
Charles Hilaire Henri Rodanet, Neuilly-sur-Seine, France, assignor to Société Anonyme: Etablissements Ed. Jaeger, Levallois-Perret, France
Application April 24, 1936, Serial No. 76,193
In France May 8, 1935
1 Claim. (Cl. 73—4)



In an altimeter of the type having at least one vacuum box, the combination with a casing, of indicating members, an operative mechanism interposed between said vacuum box and said indicating members and comprising a motion transmitting lever, a first bimetallic blade rigidly secured at one end to said lever and at its other end having a rod by which it is articulated to said vacuum box so that said other end of the blade will follow the displacements of said vacuum box as a function of the temperature at constant pressure, and a second bimetallic blade rigidly secured at one end to said motion transmitting lever and at the other end being articulated to said operative mechanism for transmitting motion to the indicating members, said second bimetallic blade being capable of altering the effective length of said motion transmitting lever as a function of the temperature.

2,135,951
WINDSHIELD LIFTING DEVICE
Charles Hilaire Henri Rodanet, Neuilly-sur-Seine, France, assignor to Société Anonyme: Etablissements Ed. Jaeger, Levallois-Perret (Seine), France
Application July 30, 1936, Serial No. 93,425
In France July 9, 1936
3 Claims. (Cl. 296—84)

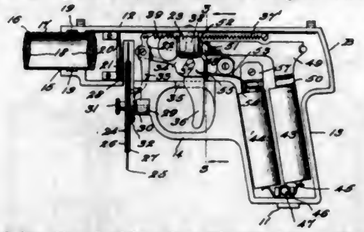


1. In a window-lifting device particularly applicable to the operation of the pivoting glass plates constituting the windshield of motor vehicles, the combination with the glass plate, of a support, a slide-block guided in an aperture of said support for moving substantially according to a direction at right angles to and meeting the pivoting axis of the glass plate, a flexible member secured, on the one hand, to the glass plate on the side opposed to that according to which said glass plate is pivoted and, on the other hand, to said slide-block, a screw threaded rod screwed in a suitable screw threaded hole of the slide-block, a bearing secured on said support and in which the screw threaded rod is journalled, the bearing being provided with a slot substantially at right angles to the axis of said screw threaded rod which is provided, opposite this slot, with a circumferential groove, a U-shaped yoke fitting into the slot of said bearing and the branches of which extend into the circumferential groove on either side of the screw threaded rod in order to axially hold the latter, means for guiding said flexible member and which are constituted by one of the suitably curved ends of said support and by a member having a U-shaped cross section, which is curved in order to be secured on the curved end of said support and to thus embrace said flexible member for causing the latter to take a direction substantially at right angles to said pivoting glass plate.

2,135,952
PICTURE PROJECTING DEVICE
Clarence L. Stephens, New York, N. Y.
Application March 30, 1938, Serial No. 198,949
8 Claims. (Cl. 88—27)

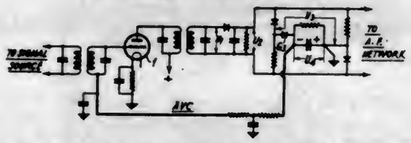
1. A picture projecting device comprising a gun-shaped holder having a projection aperture,

a film bearing a plurality of pictures, a carriage rotatably mounted on the holder itself supporting the film with a portion thereof positioned for projection through said aperture, a movable member having operating trigger means, carriage engaging means borne by said member cooperating with said trigger means to rotate said carriage and position a different picture for projection through said aperture each time the trigger means is operated, an electric light bulb sup-



ported by the holder for illuminating the positioned picture, a source of current for said light bulb, a normally open circuit connecting said source of current with said light bulb, switching means adapted to close the circuit when the movable member is actuated, and a projection lens in optical alignment with said picture aperture and supported by said holder whereby the image of a picture is projected when said trigger means is operated.

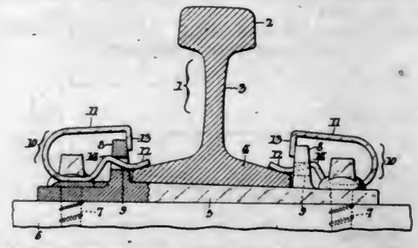
2,135,953
VARIABLE RESISTANCE BRIDGE CIRCUIT
Rudolf Weber, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application July 1, 1936, Serial No. 88,393
In Germany July 26, 1935
3 Claims. (Cl. 250—20)



1. In a radio receiver having a high frequency transmission tube feeding a detector, an automatic volume control network comprising a resistive bridge having a pair of rectifiers as opposed arms, a resistive diagonal across which a direct current voltage is developed, means for impressing across a rectifier arm in series with a resistor arm the direct current output of said detector, and means for applying the diagonal voltage to said transmission tube.

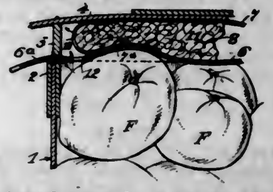
2,135,954
TRACK RAIL FASTENING DEVICE
Alfred H. Whisler, Upper Darby, Pa.
Application May 28, 1936, Serial No. 82,190
1 Claim. (Cl. 238—349)

The combination with a track rail having a horizontal base flange, and a supporting tie plate with an upstanding transversely-slotted projection adjacent each side edge of the rail base flange; of a rail fastening device in the form of a U-shaped spring clip of flat strip metal with a lower extremity adapted to be passed horizontally through the slot of the tie plate projection with its end overreaching the contiguous side edge of the rail base flange and having a hump adapted by coaction with the upper edge of the slot in the tie plate projection to press the end of said lower extremity into firm contact with the rail flange, with the loop of the clip resting on the tie plate, to limit the extent of its



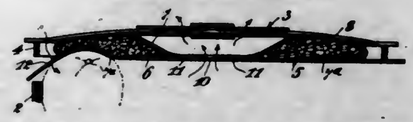
inward protrusion through said projection, and an upper extremity with its end downwardly directed to lock over the tie plate projection and prevent outward displacement of the clip in operative position.

2,135,955
BASKET CUSHION
John H. Woodall, Woodland, Ga.
Application October 4, 1935, Serial No. 43,464
7 Claims. (Cl. 217—124)



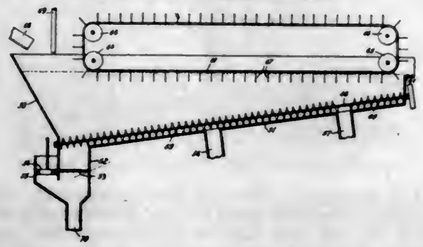
1. A cushioned cover for a produce basket comprising: a cover structure having a depending annular rim; a flat sheet of heavy paper material having a periphery larger than the rim, the sheet being positioned adjacent to the rim and projecting beyond it; an envelope of relatively light paper secured to the heavy sheet and telescoped within said rim; and a mass of cushioning material within the envelope, the mass being sufficiently porous along non-parallel axes to permit easy circulation of air through it in miscellaneous directions; there being ventilating holes in the heavy sheet, leading to the cushioning mass, and ventilating holes in the envelope, leading from the cushioning mass.

2,135,956
PACKING CUSHION, ETC.
John H. Woodall, Woodland, Ga.
Application June 29, 1937, Serial No. 150,911
4 Claims. (Cl. 217—124)



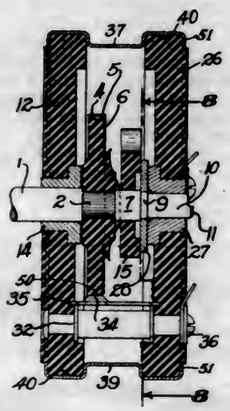
1. A basket cushion comprising: a disc of heavy paper material; a disc of light paper material superimposed upon the heavy disc, the peripherial and center portions of the light disc being secured to the heavy disc, and there being a relatively large aperture through the center portions of the two discs; and an annular mass of cushioning material positioned between the two discs.

2,135,957
CONCENTRATION
Charles Erb Wuensch, South Orange, N. J., assignor to Wuensch Hetero Concentration Process Company, Wilmington, Del., a corporation of Delaware
Application April 8, 1935, Serial No. 15,217
5 Claims. (Cl. 209—422)



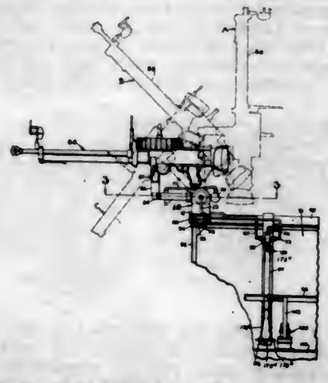
1. In an apparatus of the character described, a tank having a bottom sloping toward one end of the tank, means for admitting material to be concentrated into the tank, a concentrating cell in the sloping bottom of the tank and supporting a bed of the material with the top surfaces thereof extending in a plane substantially parallel with the bottom of the tank, means movable over the cell to effect removal of the lighter material while the heavier material in said bed moves to the opposite side of the cell, and means for pulsating water through the bed in the cell to promote separation of the light and heavy materials.

2,135,958
ROTARY SWITCH ASSEMBLY
Wagn Trautner, Springdale, Ohio, assignor to E. H. Kueffer, Oakland, Calif.
Application October 29, 1937, Serial No. 171,619
8 Claims. (Cl. 200—6)



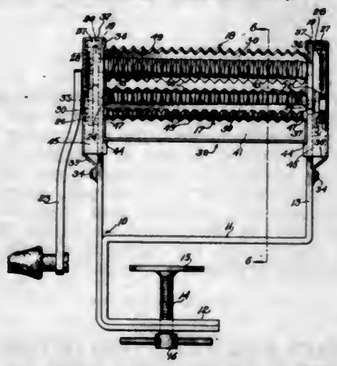
1. A rotary switch assembly comprising a shaft, make and break means mounted on said shaft and actuated thereby, circular end walls bearing on said shaft, means for fixing the minimum distance only between said end walls, resilient means urging said end walls apart, a pair of semi-cylindrical covers having lateral extensions thereon, peripheral recesses in said covers and fitting the peripheries of said end walls, said recesses determining the final desired spacing of said end walls, and means for locking said covers together around said end walls to form a complete case.

2,135,959
GUN MOUNT
George E. Barnhart, Pasadena, Calif.
Application January 10, 1938, Serial No. 184,232
14 Claims. (Cl. 89—37.5)



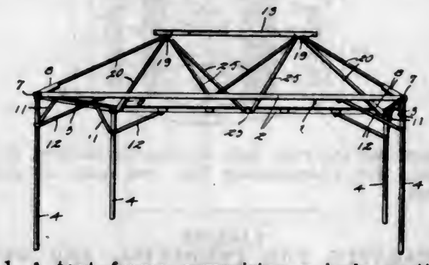
1. In a control device, a base member, a cylinder mounted on said base, a piston in said cylinder, means to reciprocate said piston, a sleeve member slidably mounted on said cylinder, means to prevent rotation of said sleeve relative to said piston, means connecting said sleeve and said piston whereby when said piston is moved said sleeve is similarly moved, and a housing member surrounding said sleeve, said sleeve and said housing including coacting spirally arranged keyways and keys whereby longitudinal movement of said sleeve causes said housing to rotate about the axis of said sleeve.

2,135,960
MEAT TENDERIZER
Walter L. Campbell, Boston, Mass.
Application March 23, 1937, Serial No. 132,505
8 Claims. (Cl. 17—26)



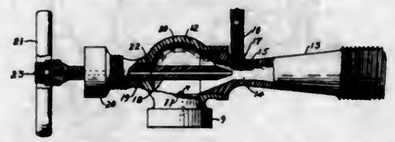
1. A meat tenderizer comprising a frame including a base provided with a pair of spaced apart uprights; a pair of meat-engaging rolls disposed between said uprights, one above the other, one of said rolls being rotatably supported at its opposite ends by said uprights; a pair of arms pivotally mounted on said uprights by which the other roll is rotatably supported at its opposite ends so that it can swing with said arms toward and from said first-mentioned roll; means for yieldingly urging said last-mentioned roll and its supporting arms toward the other roll, and driving mechanism connected with both of said rolls for positively rotating both rolls in unison to cause the latter to propel the meat between them and simultaneously act thereon.

2,135,961
TENT FRAME
Elijah P. Chenoweth, Lancaster, Ohio
Application October 22, 1936, Serial No. 107,084
12 Claims. (Cl. 135—3)



1. A tent frame comprising a body portion, supporting legs pivotally attached to the body, a ridge pole overlying the body, and a supporting connecting means between the ridge pole and said legs whereby upon oscillation of the legs relative to the body the ridge pole will be shifted relative to the body.

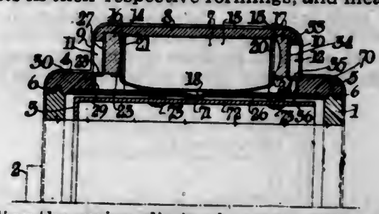
2,135,962
FLUID PRESSURE SYSTEM
William J. Conery and Albert Nelson, San Jose, Calif.
Application March 18, 1937, Serial No. 131,668
1 Claim. (Cl. 103—6)



In a system of the character described, the combination with a centrifugal pump, a water tank having an air cushion chamber therein, and a pipe leading from the pump to discharge into the tank; of an automatic spring-pressed-valve controlled air aspirator inserted in the pipe whereby reduction of air pressure in the tank below a predetermined point will increase the velocity of flow of water through the aspirator and thereby induct air through the valve into the pipe and tank, and increase of air pressure in the tank to a predetermined point will build up a back-pressure of water in the pipe to close the valve.

2,135,963
CAMERA FINDER CONSTRUCTION
Chester W. Crumrine, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 29, 1937, Serial No. 145,507
5 Claims. (Cl. 88—1.5)

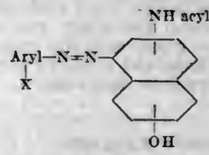
1. In a box camera, the combination with a camera body, of a top therefore including an elongated housing on the outside thereof extending toward the front and back of the camera including a top and side walls and open on the inside, two formings inside of the housing adapted to receive a positive and a negative finder element, one in each forming, a spring clip having an elongated base and spaced arms adapted to engage and hold the positive and negative finder elements in their respective formings, and means for



holding the spring clip in place comprising a plate covering the open inside of the elongated housing.

2,135,964
AZO DYESTUFFS AND FIBER DYED THEREWITH
Miles A. Dahlen, Wilmington, and Frithjof Zwilgmeyer, Arden, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 22, 1936, Serial No. 91,906
10 Claims. (Cl. 260—166)

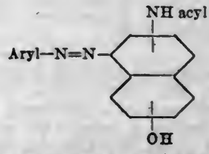
1. The compound formed by coupling a diazotized aryl amine to a compound represented by the formula



in which X is at least one of the group consisting of hydrogen, nitro, amino, aminoacyl alkyl, alkoxy, halogen, aryloxy, aralkyl, aralkoxy, hydroaryloxy and trifluoro-alkyl.

2,135,965
MONOAZO COMPOUNDS
Miles A. Dahlen, Wilmington, and Frithjof Zwilgmeyer, Arden, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 22, 1936, Serial No. 91,907
4 Claims. (Cl. 260—197)

2. The azo compound represented by the formula

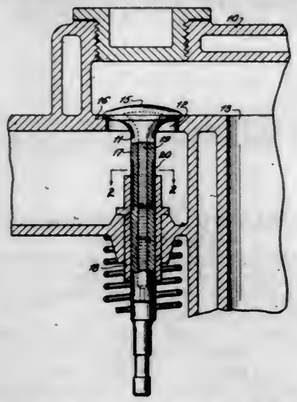


in which there is at least one substituent in aryl selected from the group consisting of hydrogen, amino, nitro and the n-auxochromes.

2,135,966
ENGINE VALVE
Robert H. Daisley, Birmingham, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application August 25, 1937, Serial No. 160,859
1 Claim. (Cl. 123—188)

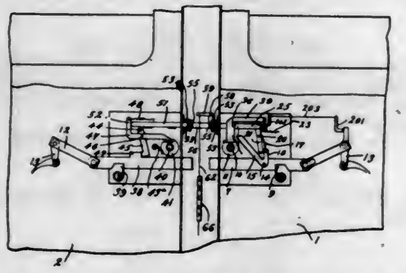
An engine valve having a head and a stem connected with the head and adapted for reciprocation in a hollow guide, said stem having an

annular recess in its surface at a point spaced from said head and containing a sleeve of corrosion resisting alloy integrally bonded to the stem with its surface substantially flush with the surface of adjacent portions of the stem, and extending beyond the guide when the valve is in



closed position said sleeve being of a length and location relative to the head such that when the valve is fully open the lower end of the sleeve extends into the guide and the remainder of the sleeve projects from the guide to protect the portion of the valve stem thereabove.

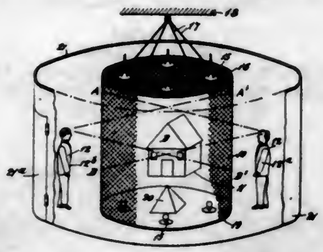
2,135,967
LOCKING SYSTEM
Edward D. Dall, Cleveland, Ohio, assignor to Walter F. Wright, Cleveland, Ohio
Application March 19, 1934, Serial No. 716,306
29 Claims. (Cl. 70—264)



1. In a coincidental locking system for a plurality of doors, the combination of a latch bolt associated with each of said doors, both actuating means including a handle on each door normally adapted upon rotation of said handle to move its associated bolt, and means functionally responsive to rotation of one of said handles for operatively disconnecting another of said handles from its associated bolt.

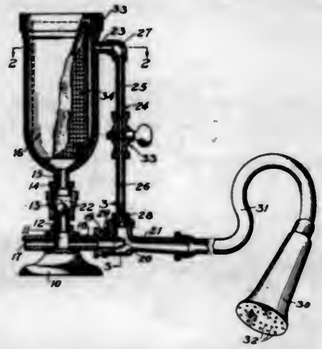
2,135,968
INTERVISUAL MURAL
Joseph Damon, Mount Vernon, N. Y.
Application August 27, 1938, Serial No. 227,118
8 Claims. (Cl. 40—130)

1. An inter-visual mural, comprising a transparent screen formed from a plurality of opaque elements slightly spaced from each other, a mural or the like painted or imprinted on the rear sides of said opaque elements, said screen being shaped so that a person may look through the front side of said screen at one section there-



of and see the rear side at another section, and means for illuminating the rear side of said screen.

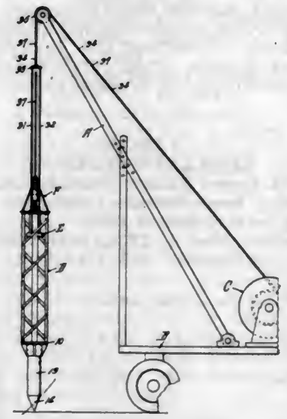
2,135,969
APPARATUS FOR PRODUCING AND DISPENSING SOAPY SOLUTIONS
Joseph G. Donaldson, Brentwood Heights, Calif.
Application January 26, 1938, Serial No. 187,011
2 Claims. (Cl. 299—84)



1. A washing apparatus including a closed container, a fluid conduit, a by-pass leading from said conduit and communicating with the lower end of the container, a one-way valve positioned within said by-pass and permitting the fluid to pass into the container, a fluid outlet positioned at the upper portion of the container, a mixing chamber communicating with the first-mentioned fluid conduit beyond the by-pass, a conduit leading from the fluid outlet of the container to the mixing chamber, and a manually operable valve positioned within said last-mentioned conduit, said last-mentioned valve in one position of adjustment permitting ready flow of fluid from the container to the mixing chamber and when in another position of adjustment cutting off flow of fluid from the container to the mixing chamber but permitting building up of pressure in the container through the by-pass.

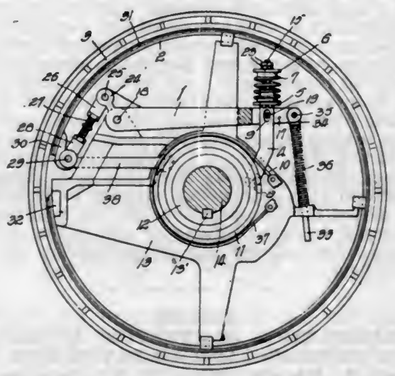
2,135,970
POST HOLE FORMING MACHINE
Arthur Dukelow, Denver, Colo.
Application August 24, 1937, Serial No. 160,653
15 Claims. (Cl. 255—1)

4. In a post hole forming machine, the combination of a boom, of hoisting mechanism including a pair of cables, means suspended from said cables for forming holes in earthen material by successive concussions, said means including a lead structure, a weight slidably mounted in the lead



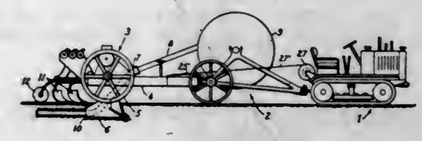
structure, and a pointed pile carried by and projecting downwardly from the lead structure.

2,135,971
CLUTCH
Arthur Dukelow, Denver, and Lee M. Alger, Golden, Colo.
Application August 24, 1937, Serial No. 160,654
3 Claims. (Cl. 192—77)



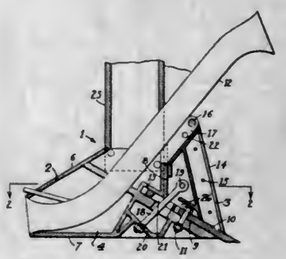
1. A clutch having, in combination, a lever arm connected at one end to the live end of a clutch band, said lever arm having a bifurcated opposite end, a spacer arm pivotally mounted at one end, the opposite end of said spacer arm passing through the bifurcated end of the lever arm, a pin carried by the bifurcated end of the lever arm and passing through a slotted opening in the spacer arm, a spring seat member seated on the bifurcated end of the lever arm with the upper end of the spacer arm passing through a slotted opening in the spring seat member, a screw-threaded stem projecting upwardly from the free end of the spacer arm, a compression spring seated upon said spring seat member, a second spring seat member mounted on the outer end of the spring and having an opening therein through which the screw threaded stem passes, and an adjusting nut carried by the second spring seat member and engaging said member.

2,135,972
COUPLING AND ALIGNING DEVICE
Marshall Thomas Joseph Garlinger, San Jose, Calif.
Original application January 29, 1936, Serial No. 61,387. Divided and this application June 13, 1936, Serial No. 85,087
8 Claims. (Cl. 280—33.15)



4. In combination with a vehicle having two spaced beams, a casting connecting the beams, a draft cushioning element comprising two transverse plates arranged to ride on the top and bottom faces of the beams, two spaced longitudinal plates having means for securing a draft element thereto and a pair of springs arranged between the transverse plates of the cushioning element and the casting for cushioning the draft.

2,135,973
CLEAVER
Marshall Thomas Joseph Garlinger, San Jose, Calif.
Application June 13, 1936, Serial No. 85,088
Renewed July 18, 1938
14 Claims. (Cl. 111—5)

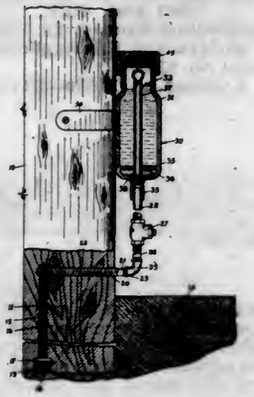


1. A cleaver comprising a body portion having a hollow rear section and an inclined front face adapted to receive a blade thereon, the inclined front face extending through the rear section, and a feed pipe supported in said extension.

2,135,974
APPARATUS FOR PRESERVING POLES AND THE LIKE
George D. Graban, Campbell, Ohio
Application May 17, 1937, Serial No. 143,041
8 Claims. (Cl. 21—63)

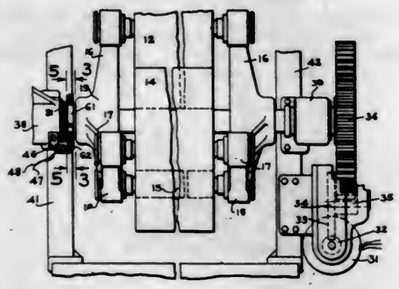
1. Apparatus for the preservative treatment of wooden objects having a centrally disposed bore therein comprising fibrous material disposed within said bore, a helical spring in said bore to maintain said fibrous material in initial position, a reservoir for a quantity of preservative oil, means securing said reservoir to an outer surface of said object, a tube extending upwardly from the bottom of said reservoir, an aperture in the side wall of said tube, a rod closely fitting within said tube, said rod having a spiral groove on its

cylindrical surface extending to the lower end of said rod, said aperture registering with said



groove, and conduit means connecting the lower end of said tube with said bore.

2,135,975
WEB SUPPLY MECHANISM FOR PRINTING MACHINES
Albert J. Horton, White Plains, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application March 12, 1936, Serial No. 68,368
12 Claims. (Cl. 242—58)

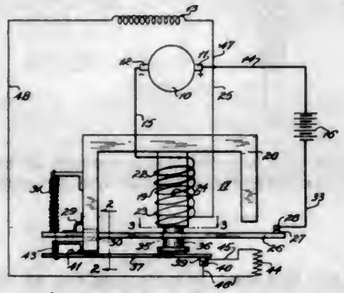


4. In combination with a rotatably mounted plurality of web roll supporting arms, common means to control the amount of rotation of said arms to selectively position any one of them in a predetermined position, said common means including a part selectively positionable relatively to any one of said arms and being adjustable in accordance with the diameter of the roll on the selected arm.

2,135,976
COMPOSITION OF MATTER AND METHOD OF MAKING THE SAME
Walter J. Koenig, Philadelphia, Pa., assignor to Sloane-Blabon Corporation, Trenton, N. J., a corporation of Delaware
No Drawing. Application July 11, 1936, Serial No. 90,188
8 Claims. (Cl. 260—2)

1. The method of imparting improved drying properties to oil which comprises condensing a mixture in which the condensation reactants consist of an oxidized drying oil having double bonds in conjugate arrangement and an organic compound chosen from the group consisting of straight chain alcohols containing six or more carbon atoms, straight chain saturated aldehydes containing three or more carbon atoms, straight chain ketones containing five or more carbon atoms and straight chain unsaturated hydrocarbons containing six or more carbon atoms.

2,135,977
REGULATING DEVICE
Bennett M. Leece, Shaker Heights, Ohio, assignor to The Leece-Neville Company, Cleveland, Ohio, a corporation of Ohio
Application May 1, 1936, Serial No. 77,372
2 Claims. (Cl. 171—229)



1. In combination, a generator having a shunt field winding and a load circuit, an electromagnet having a frame provided with spaced arms and a core disposed between and extending in the direction of said arms and also having a coil on said core adapted to be energized from the generator, a pair of movable switch members one extending transversely past said core and adjacent both arms of the frame and adapted to be actuated by flux traversing both arms, and the other extending transversely past said core and one arm of the frame and adapted to be actuated by flux traversing only said one arm, contacts associated with each switch member to be opened and closed by the operation thereof, and means controlled by the contacts of said other switch member for varying the ampere turns of the shunt field.

2,135,978
SULPHONATED ALKYLATED DIPHENYL COMPOUNDS AND SALTS THEREOF
George L. Magoun, Nitro, W. Va., assignor, by mesne assignments, to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application May 18, 1935, Serial No. 22,266
13 Claims. (Cl. 260—512)

6. The process of preparing a polyalkylated, polysulphonated diphenyl compound which comprises treating substantially one molecular proportion of an aromatic compound containing a diphenyl nucleus, the nuclear hydrogen atoms of which where substituted are replaced by a member of the group consisting of the hydroxyl group and halogen atoms, with an excess over two molecular proportions of an aliphatic alcohol and an excess of fuming sulphuric acid over that required to theoretically produce two sulphonic acid groups at a temperature below 20° C., raising the emperature to complete the sulphonation and isolating the polyalkylated, polysulphonated diphenyl compound.

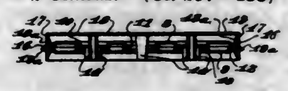
2,135,979
PREPARATION OF MIXED ESTERS OF CELLULOSE
Carl J. Malm, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 27, 1936, Serial No. 107,904
6 Claims. (Cl. 260—101)

1. The process of preparing a mixed cellulose ester containing acetyl and fatty acid groups of 3–4 carbon atoms which comprises presoaking one part of cellulose in ¼–3 parts of a bath essentially consisting of lower fatty acid of 2–4 carbon atoms as the only acid therein, acetic acid being predominant, adding fatty acid of 3–4 carbon atoms, and subsequently inducing esterification of the cellulose by adding a mixture of fatty acid of 3–4 carbon atoms, sufficient acetic anhydride to induce esterification, being substantially the only fatty acid anhydride present and an acylation catalyst, at least 40% of the total acyl in the esterification bath being fatty acid groups of 3–4 carbon atoms.

2,135,980
REFINING OF CELLULOSE DERIVATIVES
Carl J. Malm, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 28, 1936, Serial No. 108,051
4 Claims. (Cl. 260—102)

1. The method of refining a cellulose derivative to remove objectionable coloration therefrom which comprises treating the derivative in solid form with a liquid essentially consisting of aqueous hydrogen peroxide of .2–5% concentration, which will render the derivative free of color, and without washing, drying the cellulose derivative.

2,135,981
HEATING DEVICE FOR AUTOMOBILES
Joseph A. Marchner, Rochester, N. Y.
Application January 28, 1937, Serial No. 122,694
2 Claims. (Cl. 257—158)



1. In a hot water heating device, the combination of two plates suitably joined together to hold water between them and form the heating element, said heating element having holes through it at suitable intervals to permit the circulation of air therethrough, a cover plate therefor, tongues struck out in said cover plate adapted to register with the holes in the heating element and extend therethrough, ventilating holes being formed in the cover plate where said tongues are struck out.

2,135,982
BLACKBOARD FRAME CONSTRUCTION
Albert M. Masters, Philadelphia, Pa.
Application May 27, 1936, Serial No. 82,063
12 Claims. (Cl. 35—65)

1. In a blackboard frame construction, a ground frame of angular cross-section, an outer clamp member detachably secured to the outer surface of said ground frame for engaging the outer surface of the blackboard field at the edge thereof and for determining the position of the blackboard field, and an inner clamp member secured to said outer clamp member

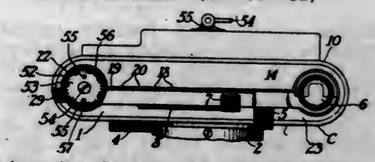


so as to permit movement thereof after said outer clamp member is fixedly positioned.

2,135,983
METHOD OF PRODUCING BERYLLIUM ALLOYS
Menahem Merlub-Sobel, Cleveland, Ohio, assignor to The Beryllium Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 7, 1934, Serial No. 751,965
15 Claims. (Cl. 75—135)

1. Process of alloying beryllium with another metal which alloys therewith comprising dispersing a reducible beryllium compound and such other metal in finely divided solid form in a fused dispersion medium at a temperature below the melting point of such other metal and contacting the dispersed substances with a reducing agent for the beryllium compound whereby to cause contact of the nascent beryllium with the small particles of said other metal, the temperature, however, being sufficient to effect said alloying.

2,135,984
MOTOR DRIVE UNIT FOR CAMERAS
Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application July 13, 1937, Serial No. 153,351
5 Claims. (Cl. 95—31)

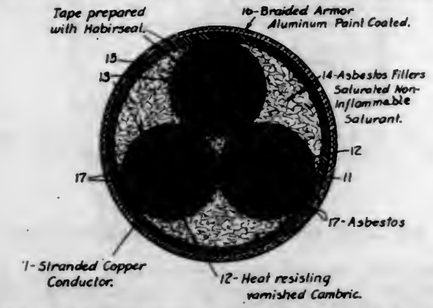


1. A motor drive unit for cameras comprising a camera back, a motor carried by said back, a moveably mounted latch carried by the back and adapted to attach the back to a camera, a handle for operating said latch and a second latch operable with the first mentioned latch for latching or releasing the motor.

2,135,985
ELECTRIC CABLE
Earle A. Mitchell, Hastings on Hudson, N. Y., assignor to Phelps Dodge Copper Products Corporation, New York, N. Y., a corporation of Delaware
Application May 28, 1937, Serial No. 145,215
6 Claims. (Cl. 173—264)

1. An electric cable comprising a plurality of individual conductors, a layer of heat resisting varnished cambric wrapped around each conductor, a layer of electrical insulation around each cambric layer, fillers between the conductors comprising asbestos saturated with non-inflammable saturant, a sheath comprising a layer of heat converted Habirseal comprising (a) polymerized beta-chlorobutadiene, 30–60% of total;

(*b*) inhibiter of heat conversion 5.20% of *a*; (*c*), plasticizer 1–10% of *a*; (*d*), antioxidant less than 3% of *a*; (*e*) inert filler, remainder; (*f*) accelera-



tors of heat conversion totally not over 50% of *a*, an outer covering of armor of braided aluminum alloy wire and aluminum paint coated.

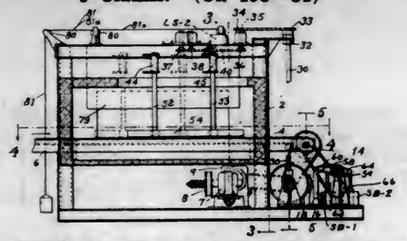
2,135,986

ARTICLE TRANSFER AND LOADING DEVICE

William A. Morton, Mount Lebanon, and Harold A. Moore and Herman A. Roth, Wilkinsburg, Pa., assignors to Amco, Incorporated, Pittsburgh, Pa., a corporation of Pennsylvania

Application January 3, 1936, Serial No. 57,370

6 Claims. (Cl. 198—31)



1. Article loading and transfer mechanism comprising a loading conveyor for continuously feeding rows of articles, a receiving conveyor operative at right angles to said loading conveyor and being of a width to receive a row of the articles, a transfer mechanism including a pusher arm disposed parallel to the path of travel of said loading conveyor and adapted for engaging a row of the articles and moving them simultaneously from said loading conveyor to the receiving conveyor, drive mechanism for said loading conveyor including means for actuating said pusher arm, said means comprising a plurality of pendant shafts supporting said pusher arm, a pantograph frame supporting said shafts, and means for actuating said frame to subject the pusher arm to movement in a triangular path, said last-named means including means for rendering the pusher arm actuating means inoperative at the completion of its transfer cycle.

2,135,987

INSECTICIDE COMPOSITION

Donald F. Murphy, Bristol, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa.

No Drawing. Application July 25, 1935, Serial No. 33,060

7 Claims. (Cl. 167—24)

1. A non-aqueous insect spray that is a dilute solution of at least one insect poison and an anhydrous wetting agent in an anhydrous organic liquid selected from the group consisting of kerosene and other petroleum distillates, the monoalkyl ethers of ethylene and diethylene glycol, benzene, and ethylene dichloride.

2,135,988

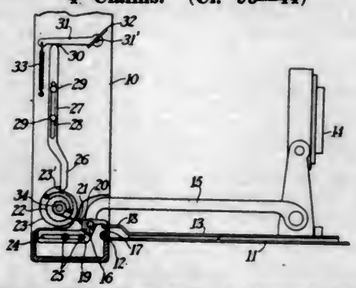
COUPLED RANGE FINDER CAMERA

August Nagel, Stuttgart, Germany, assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application May 1, 1937, Serial No. 140,232

In Germany September 21, 1936

4 Claims. (Cl. 95—44)



3. In combination with a camera having a housing, a bed hingedly attached thereto, a lens, a support for the lens mounted slidably for focusing purposes on the camera bed, a rotary cam mounted in the camera housing and having a shaft, resilient means of urging the cam to rotate in one direction, a flexible member wrapped on the shaft and connected to the lens support whereby movement of the latter for focusing purposes causes rotation of the former and the cam, a range finder light deviating means rotatably mounted on the camera housing, a lever attached to the light deviating means and a bar slidably secured to the camera housing engaging the lever and the cam whereby rotation of the latter by the flexible member causes the bar to slide and the lever and light deviating means to rotate.

2,135,989

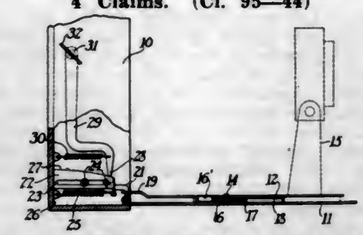
COMBINED CAMERA AND RANGE FINDER

August Nagel, Stuttgart, Germany, assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application May 1, 1937, Serial No. 140,235

In Germany September 2, 1936

4 Claims. (Cl. 95—44)



3. In combination with a camera having a housing, a bed plate hingedly attached to the housing, a lens, a mount supporting said lens and secured in a slidable manner for focusing purposes to the camera bed, a member slidably secured to the inside of the camera housing and having a curved cam surface whose active length is greater than two thirds of the motion of the lens mount throughout the focusing range of the camera, a lever the end of which engages the active portion of said surface to be moved thereby, a range finder light deviating means mounted on the camera housing and adapted to be adjusted by rotation of said lever, and means coupling the lens mount to the cam member for moving the latter by, and a distance about equal to, the motion of the former, whereby adjustment of the range finder light deviating means is provided when the lens mount is moved for focusing purposes.

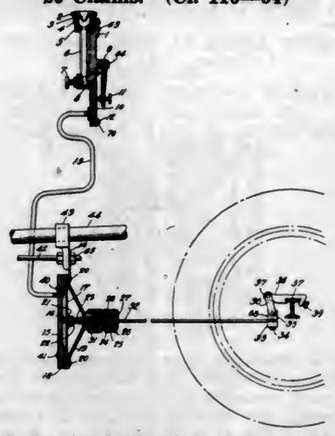
2,135,990

DASHBOARD TIRE PRESSURE GAUGE

Oscar Theodore Nelson, Cleveland, Ohio

Application August 29, 1933, Serial No. 687,302

20 Claims. (Cl. 116—34)



1. A device for indicating the condition of an automobile tire with respect to deflation, comprising an indicator means, shaft means so mounted in relation to an axle of the automobile as to be responsive to the tilting of an axle caused by the unbalanced condition of opposite tires with respect to deflation, and operative means of connection between said second-named means and said indicator means for transmitting an impulse to said indicator means only in response to prolonged unbalanced condition of opposite tires.

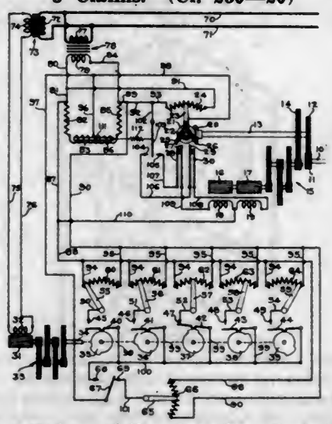
2,135,991

TIME AND REMOTE CONTROL SYSTEM

Clarence W. Nessell, Forest Park, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application August 24, 1935, Serial No. 37,777

3 Claims. (Cl. 250—20)



2. In a system of the class described, the combination of a mechanism to be controlled, motor means for positioning said mechanism, a plurality of separate, remotely located resistances for controlling said motor, each resistance having a contact arm manually adjustable to any point thereon, means for causing the motor to adjust said mechanism to assume a position determined by the position of the contact arm, and time actuated means for selectively placing said motor under the control of any one of said resistances.

2,135,992

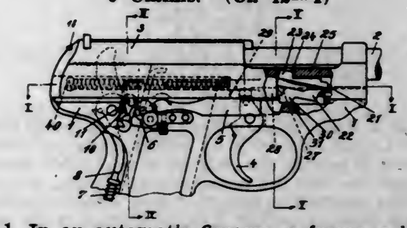
AUTOMATIC PISTOL

Fritz Walther and Fritz Barthelmes, Zella-Mehlis, Germany, assignors to Carl Walther, Waffen-Fabrik, Zella-Mehlis, Germany

Application May 29, 1937, Serial No. 145,615

In Germany February 13, 1936

9 Claims. (Cl. 42—4)



1. In an automatic firearm, a frame, a barrel mounted to slide on the frame, and a breech mounted to slide on the barrel and the frame, bars at the sides of the frame and the breech for guiding the breech on the frame, return means extending forwardly from the rear end of the frame and inserted in at least one of the bars, and a locking bolt whose width is substantially equal to that of the frame, pivotally mounted at the rear end of the barrel, for locking the barrel and the breech with respect to each other when the arm is closed.

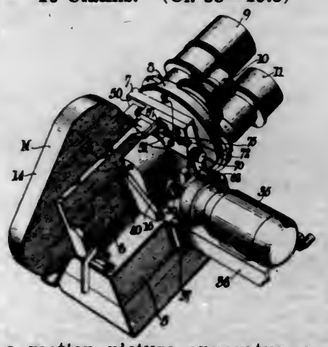
2,135,993

INTERCHANGEABLE SHUTTER ASSEMBLAGE FOR MOTION PICTURE APPARATUS

Raymond W. Wengel, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Application August 11, 1936, Serial No. 95,362

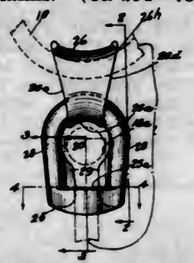
16 Claims. (Cl. 88—19.3)



1. In a motion picture apparatus, a support, spaced guide rails carried by the support adapted to receive a shutter assemblage as a unit, a radially slotted disk carried by the support adjacent said guide rails and adapted to engage and drive said shutter assemblage, means for

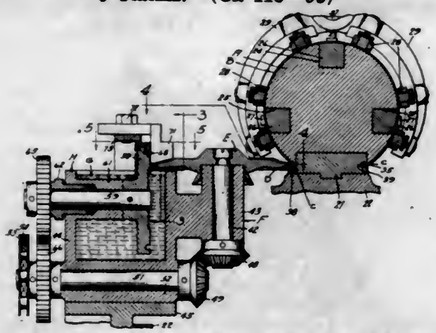
driving said radially slotted disc, and a latch element carried by the support adjacent said guideway adapted to retain the shutter assemblage on the guide rails in a position to be driven by the radially slotted disk.

2,135,994
MATERIAL HANDLING DEVICE
Oscar A. Wirkkala, Seattle, Wash.
Application July 28, 1933, Serial No. 682,683
7 Claims. (Cl. 294—78)



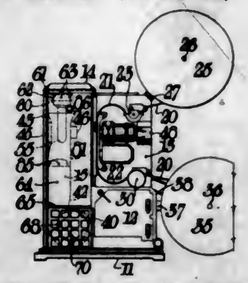
1. In a material handling device, a cable provided at one end with an enlargement, a sleeve adapted to permit the passage of said cable therethrough but not the enlargement thereof, a body member comprising a slotted base, a bail attached to said base, a slotted wall extending from said base and said bail and so formed relative to said sleeve as to permit the entrance of the cable enlargement between the side portions of said bail and the passage of the cable only through the slot in said wall, said wall slot communicating with the slot in the base, said bail member passing through said sleeve to permit movement there-between thereby eliminating excessive bending stresses within said cable, and distributing the load on said sleeve more equally upon said cable thereby eliminating the occurrence of destructive localized wear of said cable.

2,135,995
FLUXING DEVICE
Otto J. Witzke, San Francisco, Calif., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 16, 1937, Serial No. 180,204
3 Claims. (Cl. 113—95)



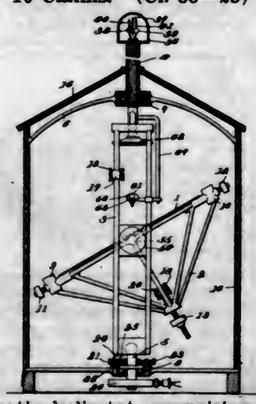
1. In a can body making machine, the combination of a mandrel for supporting can bodies having side seam hooks, means for advancing can bodies along said mandrel, a fluxing wheel disposed adjacent said mandrel for applying a liquid flux onto one of said can body side seam hooks, and means for applying said liquid flux to said fluxing wheel, said fluxing wheel having a peripheral groove therein which receives a quantity of the liquid flux and which also receives said hook as said can body advances along said mandrel thereby depositing said liquid flux on the outside surface and also on the inside surface of said hook.

2,135,996
VENTILATING OF LAMP HOUSES
Donald L. Wood, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Application August 11, 1936, Serial No. 95,379
4 Claims. (Cl. 88—24)



1. In a motion picture projector, the combination with a chamber, of a lamphouse positioned within said chamber and comprising a fluid conduit, means for forcing streams of cooling fluid upwardly through said conduit, a door operatively connected to said chamber, a lamp supported on said chamber and inverted within said conduit and in the path of said streams so as to be cooled thereby, and a part of said conduit adjacent said lamp secured to and movable as a unit with said door to facilitate replacement of said lamp.

2,135,997
AUTOMATIC HELIOSTAT
Jacques Marie Arthuys, New York, N. Y., assignor to "Arthel" (Societe d'Exploitation des brevets Jacques Arthuys), Paris, France, a corporation of France
Application October 3, 1936, Serial No. 103,943
In France October 3, 1935
10 Claims. (Cl. 88—25)



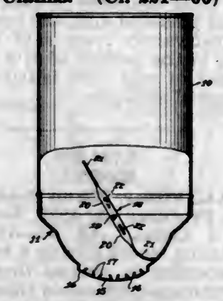
1. Automatic heliostat comprising an adjustably movable mirror, a base, supporting members for said mirror constituted by an outer vertical frame pivotally mounted on said base to rotate about its vertical axis and an inner frame carrying the mirror and journalled within the first to rotate about a horizontal axis, weights secured to said two frames at a distance from their axes in order to give them inertia moments of high value, balancing weights adjustably mounted on said frames, electrical motors secured to said outer and to said inner frame, air screws driven by said motors for rotating said frame about their respective vertical and horizontal axes, heat operated relays actuated by the solar rays and controlling said electric motors in such manner that the direction of the rays reflected by the movable mirror remains fixed in space.

2,135,998
MEANS FOR NOURISHING PLANTS
Alvin D. Beyer, Norristown, Pa.
Application April 6, 1937, Serial No. 135,316
8 Claims. (Cl. 47—38)



1. In a device of the class described, a porous pad of a size and shape to encompass the bottom of a flower pot or the like with which it is to be used, said porous pad having a substantially centrally disposed recess in its upper surface and having a ledge around said recess providing a support for the flower pot or the like.

2,135,999
DISPENSING DEVICE
Leif Nelson Booger, Brooklyn, N. Y.
Application March 6, 1937, Serial No. 129,510
5 Claims. (Cl. 221—66)

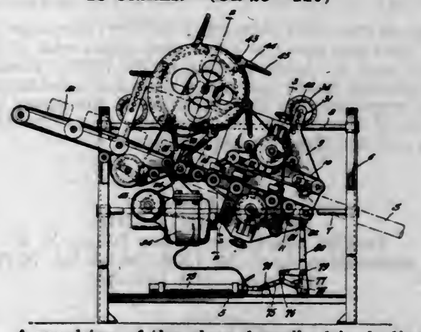


1. The combination with a container having a series of discharge openings, of a rotor within said container, said rotor having flexible agitating portions, and means connected with said rotor and disposed exteriorly of the container to operate the rotor to cause said flexible portions to act on the contents of the container and thus discharge a desired quantity of the contents through said openings.

2,136,000
TERPENE ALCOHOL ESTERS OF DIBASIC ACIDS AND METHOD OF PRODUCING
Joseph N. Borglin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 18, 1934, Serial No. 758,033
9 Claims. (Cl. 260—99)

1. The method of producing a dicarboxylic acid ester of a terpene alcohol which includes esterifying a terpene alcohol while avoiding oxidation in the reaction mass.

2,136,001
MACHINE FOR CUTTING BARS OF SOAP AND OTHER PLASTIC MATERIAL
Clarence F. Carter, Danville, Ill.
Application July 28, 1937, Serial No. 156,206
18 Claims. (Cl. 25—110)

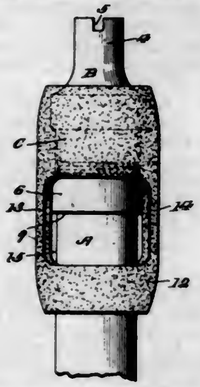


1. A machine of the class described including a frame, a conveyor mounted for travel on the frame and adapted to receive a continuous bar of plastic material from a source of supply, means for synchronizing the speed of travel of the conveyor with the discharge of material from the source of supply, a guide cam, a cutting element disposed in the path of travel of the bar of plastic material for cutting the bar in predetermined lengths, a contact member carried by the cutter element, and means for directing the contact member in engagement with the guide cam during the cutting operation.

2,136,002
VALVE CAP RETAINER
Charles J. Clarke, Kingsburg, Calif.
Original application March 15, 1935, Serial No. 11,353. Divided and this application July 16, 1936, Serial No. 90,982
1 Claim. (Cl. 138—89.3)

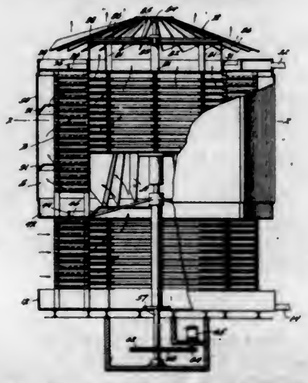
The combination with a conventional valve stem having an outer threaded end and a conventional internally threaded cap therefor, of a threaded nut on the threaded portion of said valve stem and normally positioned at the lower end thereof and a hollow elastic member having open ends, the outer and upper end portion of said member tightly fitting said valve cap and its inner and lower end loosely surrounding said valve stem at a point below said nut, said hollow member having an elongated elastic intermediate portion interconnecting said upper and lower portions

and formed with a window, said intermediate portion loosely fitting said nut and said valve stem, said hollow upper end portion forming a closed wall with said cap which wall extends down to said nut when the cap has been screwed to a closed position on the valve stem thus forming a closure for that part of the threaded por-



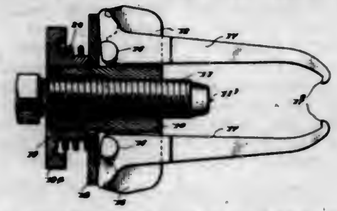
tion of the valve stem lying between the inner end of said cap and the outer and upper end of said nut, and the lower portion of the hollow member extending below the nut a distance substantially corresponding to the extension of the upper portion of the hollow member, the parts operating as and for the purpose described.

2,136,003
SPRAY ELIMINATOR
Stewart Clark Coey, Glen Ridge, N. J.
Application April 24, 1936, Serial No. 76,274
1 Claim. (Cl. 183—75)



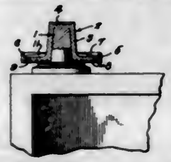
A spray eliminator for liquid cooling towers from which the air discharge flow is substantially linear and vertically upwardly, comprising a single stationary structure of radial vanes disposed conically with the apex extending in the direction of air flow, the whole deflecting surface of each vane being inclined to the general surface of the imaginary cone at a substantial angle, and its trailing edge throughout its length being reentrant on its under side forming a trough open at its outer end, said trough being of a nearly closed hook formation when seen in cross section and adapted to collect water that separates from the air on the under surface of the vane and discharge the same by gravity through its open end.

2,136,004
GEAR PULLER
Arthur L. Cornwell, Wellsville, N. Y.
Application October 25, 1937, Serial No. 170,944
4 Claims. (Cl. 29—85)



2. An implement of the kind described, comprising a head, means mounted therein for reactive engagement with a shaft end, gripping levers pivotally mounted on said head for engagement with a gear or the like, a member having relatively elongated threaded engagement with said head with a spring interposed between the same and said levers, said member having means associated therewith for pressing said levers positively into engagement with the gear, or for exerting yielding pressure thereupon according to its position of adjustment.

2,136,005
CABLE PROTECTOR FOR BATTERY TERMINAL
Daniel L. Dixon, Somerville, Mass.
Application June 1, 1937, Serial No. 145,880
1 Claim. (Cl. 173—259)

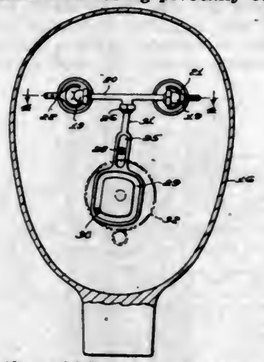


Battery cable protector comprising a hood of non-corrosive metal including a hollow boss closed at its upper end, adapted to receive a battery post on its inside, and being adapted to have a battery cable clamp secured on its outside, said hood being formed with an integral extending disk surrounding said boss adjacent its lower end, said disk having a concentric series of annular ribs on its underside, and an upstanding rim forming a grease retaining chamber on its upper side, said hood being formed with integral radial reinforcing webs extending across the upper face of said disk from said boss to said rim integrally joined to said boss and disk, the tops of said webs inclining downwardly from said boss to points substantially at the bottom of said basin whereby at least a part of said webs is below the level of the upper edge of said rim.

2,136,006
MODEL
Carl G. Fisher, Miami Beach, Fla.
Application February 14, 1936, Serial No. 63,930
1 Claim. (Cl. 46—168)

An advertising model having a head with movable eyes mounted in sockets therein, said eyes having operating attachments thereon extending back into the head, a bar having its ends connected by ball and socket connections to the ends of the said operating attachments, a lever having a slot near its center engaging over a fixed pivot on the said head, the said slot providing

a little lost motion during vertical movement of the lever but no lost lateral movement for the lever, the said lever being pivotally connected at



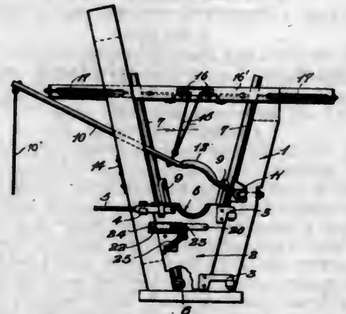
one end to the said bar near its center and being operatively connected at its other end to an operating motor.

2,136,007
COLLAPSIBLE TUBE AND METHOD OF MAKING THE SAME
Harold S. Gish, Lincoln, Nebr.
Application June 2, 1936, Serial No. 83,090
3 Claims. (Cl. 113—120)



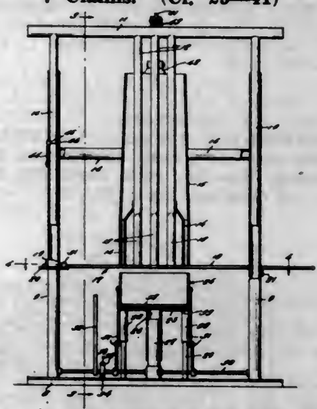
3. The method of making a collapsible tube which consists in forming a cylindrical wall section of a greater length than the proposed final tube-length, pressing the opposed portions of the wall flatly together at one end for a substantial distance from said end, folding over the corners of the flat portions of said wall at said end to form a flat funnel-like discharge end portion terminating in a reduced diameter discharge orifice, and folding said flat discharge end portion in its entirety back toward the opposite end of the wall to seal said discharge orifice.

2,136,008
CATTLE CHUTE RESTRAINING MEANS FOR USE IN DEHORNING
Walter Gregory, Floyd, N. Mex.
Application October 1, 1937, Serial No. 166,881
3 Claims. (Cl. 119—98)



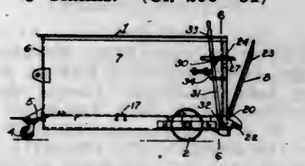
1. In a cattle chute restraining means for use in dehorning having a gate hinged to one end of the chute and provided with a latch device and an upper notch to receive the neck of the animal, a nose bar pivoted to said gate and having a curved portion to engage over the nose of the animal, stanchions pivoted at their lower ends to said chute and adapted to be brought together to engage the sides of the neck of the animal, and a long bar pivoted at one end thereof to the chute and adapted to be lowered to engage over the neck of the animal; means for operating said stanchions simultaneously with said long bar whereby one man operating the long bar also controls the stanchions and is enabled to control the gate comprising cables attached to the long bar and extending upwardly and thence laterally to said stanchions and spring means for automatically opening the stanchions and raising the long bar to normal position, said nose bar being a bell-crank lever and the pivot and the handle arm thereof being located at the same side of the gate as said latch device to thereby facilitate the control of the nose bar by the man using the saw in dehorning.

2,136,009
BLOCK MAKING MACHINE
Joseph J. Holland, Jr., Greenville, Miss.
Application January 12, 1938, Serial No. 184,701
7 Claims. (Cl. 25—41)



1. In a block making machine of the character described, a hopper, a mold arranged in alignment with the hopper, said hopper being open at its bottom, core members movable perpendicularly within the hopper and through the bottom thereof into and out of the mold, and a valve for the bottom of the hopper comprising a pair of pivoted complemental plates, said plates having complemental notches in the meeting edges thereof to provide through openings to accommodate said cores.

2,136,010
CHIP CONVEYER
Carl R. Housdorfer, Maumee, Ohio
Application November 5, 1937, Serial No. 172,966
3 Claims. (Cl. 296—51)



1. In a device of the class described, a portable

box having an end opening, a closure member for said opening having upper and lower pivots, a vertically notched support at the lower portion of said opening for said lower pivots and a vertically notched support near the upper portion of the opening for said upper pivots, said upper support normally standing in position to retain the upper pivot in engagement therewith and to permit the lower pivots to rest in the notches of the lower support, said upper support being movable from normal position to disengage said upper pivots and permit an outward swinging of the closure member on the lower support, and also being movable from normal position to raise the closure to disengage the lower support and permit said member to swing outward on the upper support.

2,136,011

METHOD FOR THE PREPARATION OF TERPENE ETHERS

Irvin W. Humphrey, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 7, 1936, Serial No. 67,704
22 Claims. (Cl. 260—611)

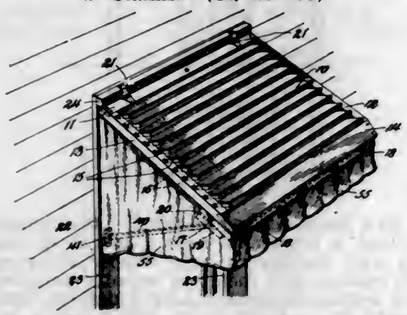
1. A terpene ether produced from an unsaturated terpene compound by the addition of a polyhydric alcohol to a double bond of an unsaturated terpenic group contained in the said terpene compound.

2,136,012

VENTILATED AWNING SHUTTER

Sidney A. Jones, Fort Lauderdale, Fla.

Application June 17, 1936, Serial No. 85,780
2 Claims. (Cl. 20—59)



1. An awning shutter, comprising an awning section having slats pivoted therein, means for operating the slats to open and close the same to control light and air therethrough, an auxiliary section comprising a plurality of operatively connected members the top one of which is pivoted to the lower portion of the awning section, means for raising the structure and for folding the operatively connected members upon themselves and beneath the lower portion of the awning section so as not to interfere with the function and operation of the pivoted slats.

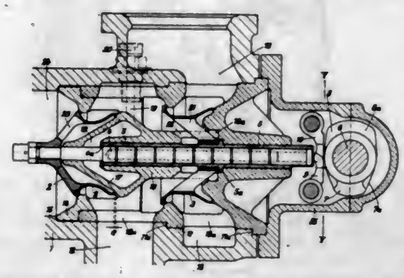
2,136,013

INSERT FOR CONVERTING PISTON-VALVE ENGINES INTO POPPET-VALVE ENGINES

Hugo Johannes Lentz, Vienna, Austria

Application April 7, 1937, Serial No. 135,564
In Austria January 15, 1937
10 Claims. (Cl. 121—127)

1. An insert for the conversion of piston valve steam engines into such engines with poppet valve gear, comprising in combination an admission valve and an exhaust valve, spindles of said valves mounted the one in the other, a gear drive acting upon said spindles, an insert body having a seat for said admission valve, a pot-shaped insert body having a seat for said exhaust valve,



a central spindle guide on said valve insert body extending up to the bottom of said pot-shaped insert body, a hollow body surrounding the inlet-end portion of said guide, the interior of said hollow body being under steam pressure acting upon said valve spindles in the sense of closing said valves.

2,136,014

CLEAT

Alexander A. McDonald, Quincy, Mass.

Application November 24, 1936, Serial No. 112,571
3 Claims. (Cl. 114—218)



1. A cleat of the character described comprising a base, a post, oppositely disposed arms on said post overhanging said base and forming with the base tapering recesses in which a length of rope wrapped in a convolution around the post can be engaged, portions of the opposed surfaces of said arms and said base being spaced apart less than twice the diameter of the rope, and means on said cleat for positioning a portion of the load sustaining end of the rope partially in the recess beneath one of said arms whereby the convolution of the rope will be yieldingly wedged between the said arm and said underlying portion of rope.

2,136,015

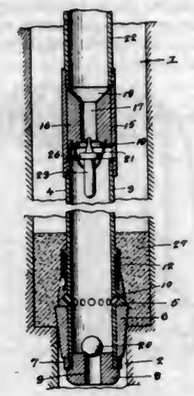
OIL WELL TOOL

Joe Henry Nicks, Corpus Christi, Tex.

Application August 26, 1935, Serial No. 37,966
Renewed April 8, 1938
7 Claims. (Cl. 166—1)

1. A device of the character set forth comprising a hollow body, means for connecting said body to a well tubing for forming a continuation of the latter and for lowering into a well, means forming a seal between said body and walls of a rat hole and carried by the body, a temporary closure for the body to prevent seal forming material passed into the body by way of the well tubing from passing from said body, said body having ports to permit the seal forming material to pass from the body and form a seal between the exterior of the body and walls of the well, a

valve element slidably mounted on the exterior of the body to close the ports to substances exteriorly of the body, guides secured to the body for slidably supporting the valve element and



spring means urging the valve to close the ports and adapted to yield by forces within the body acting on the valve by way of said ports and supported by said guides.

2,136,016

METHOD FOR MANUFACTURING SULPHUR COLORS

Simon Norman, Providence, R. I., assignor to Industrial Dyestuff Company, East Providence, R. I., a corporation of Rhode Island

No Drawing. Application October 24, 1935, Serial No. 46,629
14 Claims. (Cl. 260—129)

10. In a method of preparing sulphur colors from dyestuff intermediates that are thionated to produce dyes by means of thionating agents, thionating such dyestuff intermediate selected from a group consisting of amino phenols of the benzene series, amines of the benzene series, and phenazines, in a medium substantially identical with that produced by heating together for substantially two hours at substantially the range 140° to 150° C., alkylene amine and a thionating agent, in which medium the said dyestuff intermediate is actively converted into a sulphur color.

2,136,017

METHOD FOR MANUFACTURING SULPHUR COLORS

Simon Norman, Providence, R. I., assignor to Industrial Dyestuff Company, East Providence, R. I., a corporation of Rhode Island

No Drawing. Application June 22, 1936, Serial No. 86,699
8 Claims. (Cl. 260—129)

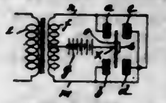
1. In a method of preparing sulphur colors from dyestuff intermediates that are thionated to produce dyes by means of thionating agents, thionating a dyestuff intermediate selected from a group consisting of amino phenols of the benzene series, amines of the benzene series, and phenazines, in a medium prepared from ethylene diamine and sulphur heated together for substantially two hours at substantially the range 140° to 150° C., in which medium the said intermediate is converted into a sulphur color.

2,136,018

ELECTROSTATIC MIRROR OSCILLOGRAPH

Palle-Finn Beer, Frederiksberg, Denmark, assignor to Electrical Fono-Films Company A/S, Copenhagen, Denmark, a joint stock company of Denmark

Application July 3, 1936, Serial No. 88,908
In Denmark July 16, 1935
7 Claims. (Cl. 171—95)



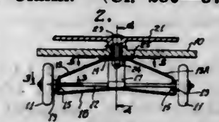
2. In an electrostatic oscillograph, a tightly stretched metallic strip, a mirror on said strip, four stationary electrodes arranged in pairs on opposite sides of said strip so as to face the flat surfaces of the strip.

2,136,019

WHIPPING ROLLER COASTER

Anton Pfau, Portland, Oreg.

Application October 17, 1936, Serial No. 106,146
1 Claim. (Cl. 280—87.01)



Means for bracing the front axle of a roller coaster of conventional design against transverse and rearward thrusts comprising a unitary axle brace having a top portion and three arms extending downwardly from said top portion, said arms being joined to the axle, and a second axle brace positioned transversely of and on the under side of and joined to the axle.

2,136,020

EMULSIONS AND PROCESS OF MAKING SAME

Harold Pirie, Runcorn, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application July 22, 1936, Serial No. 91,992. In Great Britain July 29, 1935
6 Claims. (Cl. 167—32)

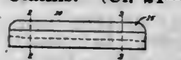
1. A composition of matter capable of being dispersed or emulsified in aqueous media comprising a normally solid chlorinated naphthalene incorporated with hydrogenated naphthalene in such proportion that a liquid product is obtained emulsified in a limited quantity of water.

2,136,021

PAPER FASTENER

Edwin S. Roscoe, Rochester, N. Y., assignor to Yawman & Erbe Mfg. Co., Rochester, N. Y., a corporation of New York

Application October 21, 1933, Serial No. 694,632
20 Claims. (Cl. 24—153)



1. A keeper for use with the base and end tangs of a paper fastener, said keeper being substantially channel shaped in cross-section with one of the sides thereof of a length less than the space between the tangs, one end of said channel-shaped keeper being made to define an open end therein whereby one tang is insertable lengthwise into the keeper and the other tang is insertable

laterally between the sides of the keeper so that one side thereof separates the ends of the tangs from the top sheet of the file.

2,136,022

METHOD OF MAKING ABRASIVE ARTICLES

Walter D. Rossow, Tiffin, Ohio, assignor to The Sterling Grinding Wheel Company, Tiffin, Ohio, a corporation of Ohio

Application February 10, 1937, Serial No. 125,031
4 Claims. (Cl. 51—278)



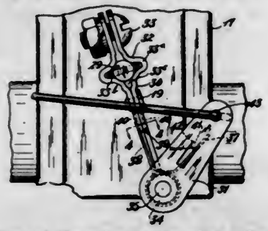
1. The method of making an abrasive article having an aperture therein which comprises placing a suitable weakly bonded core in a mold along with the mix from which the article is made, compressing the material thereby crushing the core, and subsequently curing the compressed material.

2,136,023

ACTUATING LEVER AND LINKAGE

Robert C. Russell, Shaker Heights, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application August 25, 1937, Serial No. 160,872
4 Claims. (Cl. 74—470)



1. A device of the character described comprising a lever having means for connecting the same with a shaft, an arm, pivot means connecting an end of said arm with the outer end of said lever, a coil spring disposed around said pivot means and having its ends engageable with the lever at a point spaced from the pivot means, means on said arm engageable with one or the other of said spring ends upon swinging of the arm relative to said lever, and actuating means connected with the arm at a point spaced from said pivot means.

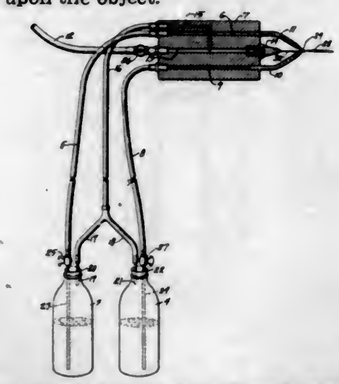
2,136,024

PROCESS AND APPARATUS FOR PRODUCING METALLIC COATINGS ON VARIOUS ARTICLES

Hans Schneider, Port Chester, N. Y., assignor to Metal Forming & Coating, Inc., a corporation of New York

Application May 3, 1935, Serial No. 19,564
5 Claims. (Cl. 91—12.2)

1. In the art of coating objects with metal, the process which consists in forming in liquid form a plurality of streams of solutions, directing them to meet and mix in midair in liquid form and directing a jet of air to impinge upon the streams at their place of meeting from behind causing the mixed streams to strike the object to be coated, the general direction of the mixed streams and the jet being the same, the solutions containing metallic and reducing compounds capable of reacting chemically upon the mixing of the solutions, to deposit the metal of the metallic compound as a coating on the object, the air jet impinging upon the streams with force restricted to hinder the formation of mist but sufficient to throw the mixture of the streams with considerable force in relatively large liquid masses upon the object.



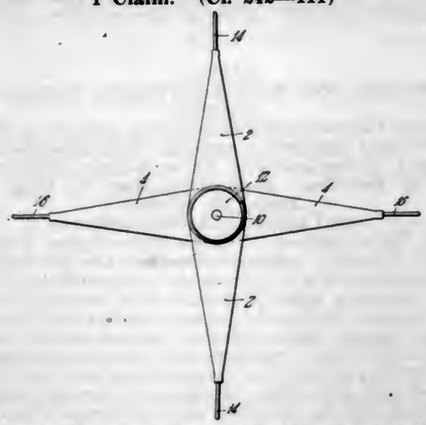
3. Apparatus for coating objects with metal comprising a pair of conduits, a member for supporting said conduits, said conduits extending beyond the front of the supporting member, means connected to said conduits for sending without substantial formation of mist a solution of a metallic compound through one conduit and a reducing solution therefor through the other, said conduits discharging their solutions in liquid form in streams directed to meet and mix in midair, and means upon said member for directing a current of air at the mixed streams from the rear of the meeting place of the streams with the force of the current restricted to keep down the formation of mist, for throwing the mixture in liquid form upon the object to be coated for depositing a metallic coating thereon.

2,136,025

SKEIN-FORMING DEVICE

James P. Shorrock, Holyoke, Mass., assignor to B. F. Perkins & Son, Inc., Holyoke, Mass., a corporation of Massachusetts

Application January 15, 1937, Serial No. 120,719
1 Claim. (Cl. 242—111)



As a new article of manufacture, a skein-

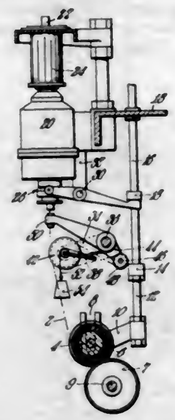
forming device of the class described comprising in combination, a substantially straight unitary arm member, a shaft fixed to said arm member substantially centrally thereof whereby portions thereof extend outwardly radially of the shaft in opposite directions, another substantially straight unitary arm member rotatably mounted on said shaft substantially centrally of the arm member whereby portions thereof extend outwardly radially of the shaft in opposite directions, said arm members being normally disposed so that the said outwardly extending parts of one of them are at right angles to the outwardly extending parts of the other, a bearing cup fixedly associated with said shaft, a coil spring disposed within said cup and around said shaft with its inner end fixed to said shaft and its other end fixed to said rotatable arm member whereby the latter is urged to its said normal position but permitted to rotate to a position where all of said outwardly-extending parts are in substantial alignment, and stop means associated with said rotatable arm member and cup to limit the rotative movements of the said rotatable arm member.

2,136,026

CORE COVERING MACHINE

James P. Shorrock, Holyoke, Mass., assignor to B. F. Perkins & Son, Inc., Holyoke, Mass., a corporation of Massachusetts

Application September 22, 1937, Serial No. 165,116
1 Claim. (Cl. 117—34)



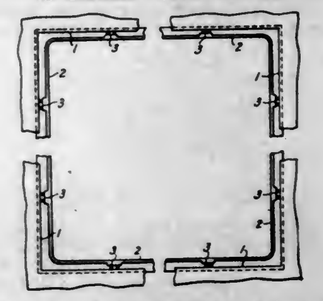
An apparatus for winding elastic core with yarn comprising in combination, a driving roll for supporting a spool on whch is wound a core, a rotatable hollow spindle thereabove for receiving a core, a guide for a core below said spindle, and tension means between said guide and support for delivering a core from a spool thereon to said guide under tension including, a support having a pair of unitary grooved wheels rotatable thereon with the periphery of said groves in substantial alignment with said guide, a third grooved wheel rotatable on said support at a side of said pair of wheels, and a weighted flexible member having one end secured to said support and a part frictionally engaging one of said first-named grooved wheels, all adapted and arranged whereby a core from a spool may be led therefrom around one of said first-named wheels onto said third-named wheel and around the other of the first-named wheels and then to said guide.

2,136,027

FRAME OF MOLDED MATERIAL FOR AUTOMOBILE BODIES

Alfred George Snell, Sutton Coldfield, England, assignor to H. E. Ashdown (Birmingham) Limited, Liverpool, England, a British limited-liability company

Application March 12, 1938, Serial No. 195,543
In Great Britain March 16, 1937
5 Claims. (Cl. 296—44)



1. Frame for the opening in an automobile body of which the dimensions may vary within constructional limits of tolerance, consisting of a single plastic molding of thin curved section having at intervals on its outer surface projecting pieces of which the outer extremities are adapted to fit approximately within an opening of maximum size, the projecting pieces having, within the limits of tolerance, an average cross-sectional area measured at right angles to the plane of the frame which is less than one twenty-fifth of the projected area of the periphery of the frame.

2,136,028

PROCESS FOR PRODUCING POLYMERIC COMPOUNDS

Robert Dewey Snow, Bartlesville, Okla., assignor to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware

No Drawing. Application January 26, 1934, Serial No. 708,522
17 Claims. (Cl. 260—2)

1. The process of producing polymeric products of high molecular weight which consists in reacting sulfur dioxide with mono-olefins at temperatures below +15° C.

2,136,029

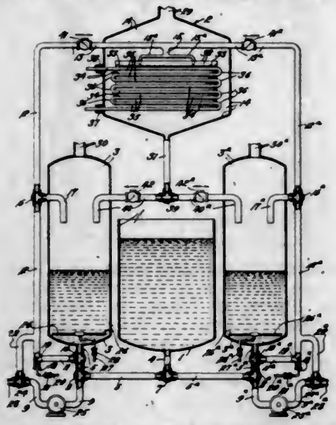
APPARATUS FOR DEODORIZING VEGETABLE OILS

Joseph Stewart, Elmhurst, N. Y.

Application March 12, 1938, Serial No. 195,449
In Great Britain October 7, 1936
2 Claims. (Cl. 87—12)

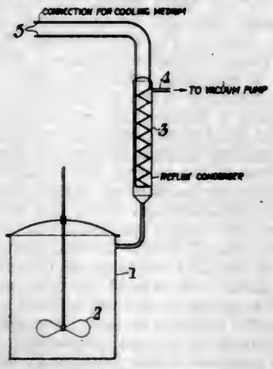
1. An apparatus for deodorizing vegetable oils comprising a deodorizing vessel having a suction outlet at its top for volatile products, an encased oil heating device having a suction outlet at the top of its casing for volatile products and having in its casing an oil heating means, means for discharging oil from the oil heater by gravity into the upper part of the deodorizing vessel above the oil level therein, an upstanding restricted oil conduit exterior of the deodorizing vessel the upper end of said conduit leading into the oil heater casing to deliver oil and steam over the said heater subject to sub-atmospheric pressure in said casing, means connecting the lower end of said conduit to the bottom of the deodorizing vessel, means connecting said conduit to

the upper portion of the deodorizing vessel at a point above the level of the oil therein, means for discharging a steam jet upwardly into said conduit adjacent the lower end of said conduit, and valves for at will causing the oil to flow from the bottom of the deodorizing vessel with steam from said steam jet through said restricted conduit to the heater and thence back to the upper part of the deodorizing vessel, or from the bottom of the deodorizing vessel through the said conduit into the upper part of the deodorizing vessel above the level of the oil therein, whereby



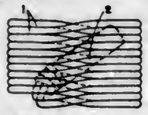
small quantities of oil with steam may be passed through the heater under sub-atmospheric pressure for the first deodorizing step, and the oil then delivered into the deodorizing vessel and continuously withdrawn in small quantities from the bottom of the deodorizing vessel and subjected to steam in the said upstanding oil conduit and the steam and oil discharged into the deodorizing vessel above the level of the oil therein for the final deodorizing step to ensure the withdrawal of vapors and steam from the incoming oil before the incoming oil contacts the oil in the lower part of the deodorizing vessel.

2,136,030
PROCESS FOR PREPARING CELLULOSE ESTERS
Herbert G. Stone, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 14, 1936, Serial No. 105,574
6 Claims. (Cl. 260—101)



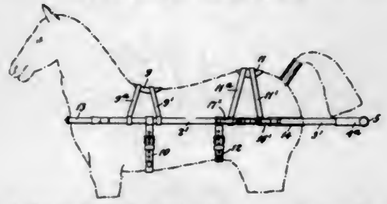
1. The process of preparing a substantially completely esterified cellulose acetate which comprises esterifying cellulose in a liquid acetylation bath composed of sufficient acetic acid to dissolve the ester formed, sufficient acetic anhydride to completely acetylate the cellulose and an acylation catalyst, in an enclosed vessel having the pressure reduced to correspond to the vapor pressure of the acetic acid at the temperature which is to be maintained and maintaining at that pressure until the cellulosic material has been substantially completely esterified.

2,136,031
ELECTRIC BLASTING CAP PACKAGE
Joseph Stuart, II, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application September 1, 1936, Serial No. 98,859
5 Claims. (Cl. 102—10)



1. An electric blasting cap package comprising lead wires and an electric blasting cap, said lead wires being coiled in pairs and the wires of each pair crossed one over the other twice each revolution.

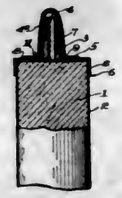
2,136,032
HORSE'S TAIL PROTECTOR
Joseph A. Vanorio, Jr., Mount Vernon, N. Y.
Application March 31, 1937, Serial No. 134,012
4 Claims. (Cl. 54—1)



1. A horse's tail protector comprising, in combination, a pair of shafts having members extending at opposite sides of the horse and each shaft having portions positioned in registration with the ribs and flank of the horse, a tail-protecting bumper element connected to and supported by said shafts and having rearward extension portions projecting rearwardly of the buttocks of the horse, and harness for snugly fitting and retaining said shafts and bumper element on the horse including supporting members resting on the back of the horse and fastened to the shafts and breast and breeching straps abutting the breast and buttocks of the horse and also fastened to said shafts, whereby the horse, during a backward or sidewise movement in a stall, is prevented from bumping his tail against extraneous objects.

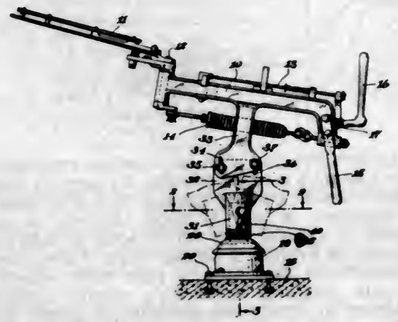
2,136,033
DISPENSING PACKAGE OF THERMOPLASTIC MATERIAL
Walter J. van Rossem, West Los Angeles, Calif., assignor to Surgident, Ltd., West Los Angeles, Calif., a corporation of California
Application October 26, 1936, Serial No. 107,618
10 Claims. (Cl. 221—60)

1. A package of thermoplastic material, which comprises: a stick of thermoplastic material, a non-metallic flexible moisture-impervious envelope enclosing one end and the length of said stick; and a dispensing closure means at the op-



posite end of said stick in engagement with said envelope and completing the closure of said package, said envelope and said closure means being provided with cooperating shoulder means adapted to position said closure means at said one end.

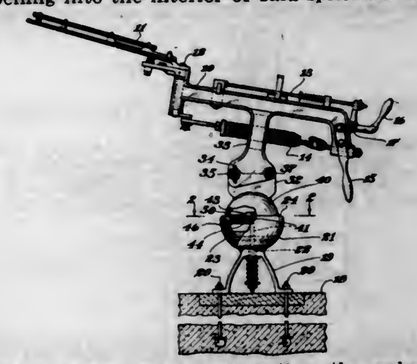
2,136,034
TRAP AND MOUNTING THEREFOR
James D. Altemus, Roslyn, N. Y.
Application November 22, 1935, Serial No. 51,036
5 Claims. (Cl. 248—181)



1. A trap mounting comprising a hollow dome-shaped base having a central opening at the top, a trap-supporting post projecting upwardly out of the base through said opening, said opening having a substantially greater diameter than said post, a gimbal joint articulating the lower end of the post to the base, a friction member movable with the post and bearing against the outer surface of the base in the region adjacent to said top opening, and a spring operatively interposed between the post and base for constantly pressing said friction member against said surface, so as to constantly impede the freedom of movement of said post.

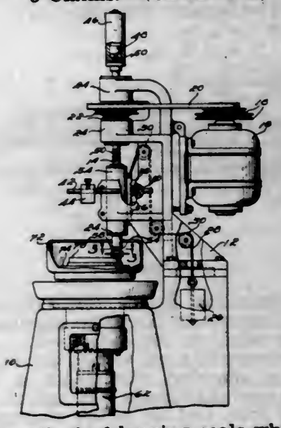
2,136,035
TRAP MOUNTING
James D. Altemus, Roslyn, and Albert W. R. J. Moeller, New York, N. Y.; said Moeller assignor to said Altemus
Application March 26, 1936, Serial No. 70,934
7 Claims. (Cl. 248—181)

1. A trap mounting comprising an upwardly-open socket having a bottom opening, said socket having inner surface portions conforming to the surface of a sphere, a trap-supporting member having a hollow, downwardly-opening, spherical member adapted to fit into said socket, a rod projecting axially through said opening into the interior of said spherical mem-



ber, a gimbal joint articulating the spherical member to the top of said rod, and yieldable means beneath said socket exerting a constant downward pull on said rod.

2,136,036
METHOD AND APPARATUS FOR LAPPING SEALS
Howard W. Avery, Detroit, Mich., assignor, by mesne assignments, to Borg-Warner Corporation, a corporation of Illinois
Application September 12, 1934, Serial No. 743,709
5 Claims. (Cl. 51—278)

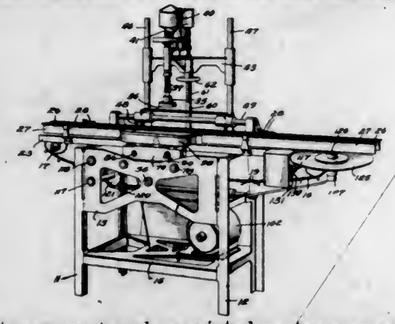


2. The method of lapping seals which consists in rapidly rotating a seal about an axis perpendicular to the sealing face thereof while slowly moving a lap in contact with said face relatively to said axis thus producing lapping lines on said face concentric to said axis.

2,136,037
STRAIGHT LINE CAPPING MACHINE
Philo M. Blackman, Elgin, and Harold R. Baldwin, Carpentersville, Ill., assignors to Elgin Manufacturing Company, a corporation of Illinois
Application February 19, 1935, Serial No. 7,224
22 Claims. (Cl. 226—88)

6. Apparatus of the class described comprising a frame member, a horizontal conveyor mounted thereon, spaced lugs on said conveyor, an adjustable guide means on both sides of said conveyor, a motor mounted on said frame and adapted to drive said conveyor forward in a straight line at a continuous rate of speed, a

movable motor support mounted above said conveyor, a motor thereon and cap tightening mechanism adapted to be driven by said motor, said



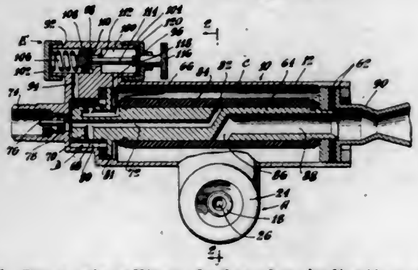
motor support and associated parts arranged for reciprocatory movement to engage a cap, tighten and release the same during the forward movement of a container on said conveyor.

2,136,038

DEVICE FOR INDICATING DEFLATION OF PNEUMATIC TIRES

Pierre Marcel Bourdon, Paris, France, assignor to Michelin & Cie, Clermont-Ferrand, France, a corporation of France

Application May 6, 1937, Serial No. 141,027
In France May 7, 1936
12 Claims. (Cl. 116—34)



1. In a signalling device for indicating the deflation of pneumatic tires, the combination of an air inlet valve, an air outlet valve, separate chambers surrounding said valves, warning means comprising a vibratory diaphragm, a chamber surrounding said diaphragm and communicating with the air inlet and air outlet chambers, said outlet valve allowing flow of air from said warning device chamber to said air outlet valve chamber only, means for allowing escape of air from said warning means chamber when the pressure in said chamber drops below a predetermined minimum, and a member having therein two passageways of different cross-sectional areas cooperating with said diaphragm and communicating with the air outlet valve chamber for allowing passage of air from the tire tube to vibrate said diaphragm when the pressure in said warning device chamber drops below the pressure in the air outlet chamber.

2,136,039

SHIELD

Anna B. Clancy, San Francisco, Calif.

Application June 5, 1937, Serial No. 146,682
6 Claims. (Cl. 2—174)

1. A shield for hair drying comprising an arcuately annular sheet of material constituting a body portion and having a relatively wide forward portion and relatively narrow tails extending rearwardly from the rear ends of the forward portion, a brow section secured at the inner



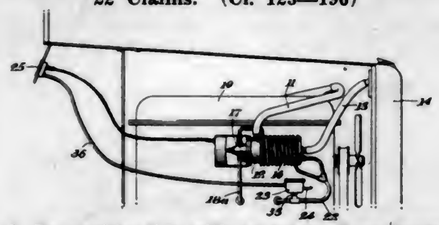
edge of said forward body portion and extending upwardly therefrom, and ear tabs extending inwardly from said tails at the junctions of the tails and body portion.

2,136,040

VISCOSITY REGULATOR

Henry B. Clarke, Garden City, N. Y., assignor, by mesne assignments, to Henry R. Gross, Chicago, Ill.

Application March 17, 1932, Serial No. 599,493
22 Claims. (Cl. 123—196)



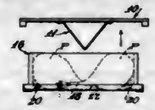
1. In combination with an internal combustion engine having a cooling system, a chamber forming part of said cooling system, a coil of pipe in said chamber, a coil of pipe exterior of said chamber, a conduit into which both of said coils discharge, a lubricant supply pipe, valve means for connecting said supply pipe with either of said coils, viscosity responsive means including a chamber in which the pressure of liquid flowing therethrough is a function of its viscosity, connections for supplying lubricant from said conduit to said viscosity responsive means, and means responsive to the pressure in said chamber for controlling the position of the valve means.

2,136,041

METHOD OF AND APPARATUS FOR TREATING FOOD PRODUCTS

Chester J. Conn, Smithtown Branch, N. Y.

Application March 18, 1937, Serial No. 131,556
7 Claims. (Cl. 17—44)



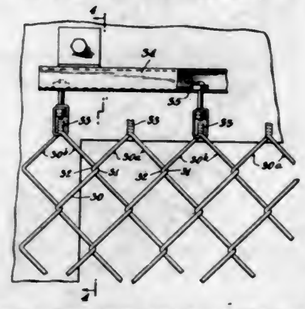
1. A method of assembling food products of the class described for freezing, comprising disposing an open ended frame on a base having a shaping member, packing individual products between the shaping member and the walls of the frame, disposing a screen over the remaining open end of the frame, inverting the assembly and removing the base and the shaping member therefrom, whereby exposed surfaces of the food products are disposed at the top and bottom of said assembly for direct contact with the refrigerant.

2,136,042

EXPANSIBLE MESH CLOSURE

Milton L. Cornell, Jackson Heights, N. Y., and Emil W. Gerber, Bergenfield, N. J., assignors to Cornell Iron Works, Inc., Long Island City, N. Y., a corporation of New York

Application May 15, 1937, Serial No. 142,868
14 Claims. (Cl. 39—85)



1. A closure for door, gate or like openings, comprising a section of commercial chain link fencing of a size adapted to cover a desired area of the opening, said fencing having sinuous cusped vertical strands with their adjacent cusps intertwined among which adjacent strands are locked together in pairs and adjacent locked pairs of strands are movably interconnected by their intertwined cusps, a support extending across the upper part of such opening, means slidably and rotatably suspending said locked pairs of strands from said support, and means for sliding said strands along said support.

2,136,043

HEATING DEVICE FOR THERAPEUTICAL PURPOSES

Wallace W. De Laney, New Haven, Conn., assignor to The Seamless Rubber Company, Inc., New Haven, Conn., a corporation of Massachusetts

Application December 8, 1936, Serial No. 114,744
1 Claim. (Cl. 150—2.1)



A heating device for therapeutical purposes, comprising a rubber body containing a heating medium, said body having upon a surface thereof a multiplicity of outstanding elastic fins, said fins being in parallel relation and thin and flexible so as to carry off heat by radiation and flex to one side or the other under light pressure as when the device is laid against the user's body, said fins being closely spaced to provide narrow parallel air passages therebetween and increase the radiation and at the same time space the body of the device effectively from the body of the user.

2,136,044

2,3,6-TRIAMINO-PYRIDINE AND PROCESS OF MAKING IT

Max Engelmann, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 9, 1935, Serial No. 5,862
10 Claims. (Cl. 260—42)

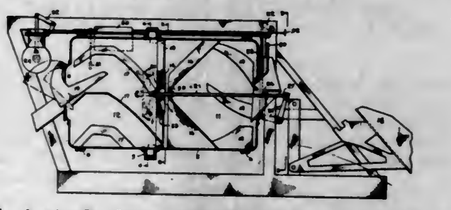
8. 2,3,6-tri-amino-pyridine.

2,136,045

CONCRETE MIXER WITH TWO COMPARTMENT DRUM

John P. Faber, Dunellen, N. J., assignor to Ransome Concrete Machinery Company, Plainfield, N. J., a corporation of New Jersey

Application November 9, 1935, Serial No. 49,022
4 Claims. (Cl. 259—164)



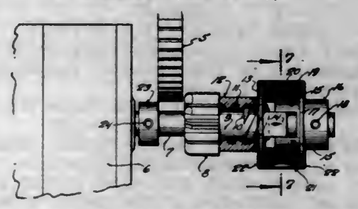
1. A single drum concrete mixing machine, a transverse partition defining a first compartment and a second compartment for partially mixing batches of concrete in each, said partition having a discharge opening, mixing blades in each of said compartments, means for charging said first compartment with water, sand, dry aggregate and cement, a movable door normally closing said opening, discharging blades for impelling the partially mixed batch through the opening obstructed by said door, a member operable from the exterior of said drum for opening said door and moving it into said second compartment whereby the partially mixed batch may be transferred and a discharge means for said second compartment, and a connecting device whereby said member and door are supported by said discharging blades said device also forming a connection between said blades.

2,136,046

ENGINE STARTER

John W. Fitz Gerald, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware

Application May 15, 1937, Serial No. 142,787
7 Claims. (Cl. 74—7)



1. In an engine starter of the character described: a motor driven shaft; a pinion mounted

on the shaft; means for causing endwise motion of the pinion on the shaft upon relative rotation of the pinion and shaft, including two members having slidably but non-rotatably engaged parts which move endwise with respect to each other whenever endwise movement of the pinion is restrained and relative rotation between it and the shaft continues; and a cushion ring encircling said parts and yieldingly opposing endwise movement of said members toward each other.

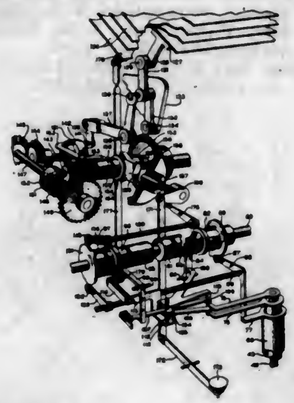
2,136,047
PACKING ANCHOR
Richard E. Fulkerson, Coffeyville, Kans., assignor to The Exner-Dodge Packer Company, Coffeyville, Kans., a corporation of Kansas
Application February 5, 1937, Serial No. 124,222
10 Claims. (Cl. 166—12)



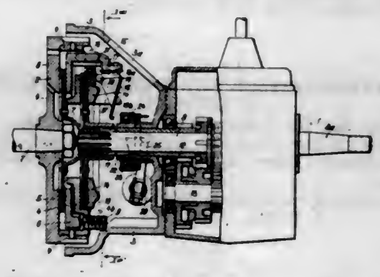
1. A device of the character described including a body member, a packing sleeve on the body member for packingly engaging a pipe in which said body member is inserted, anchoring slips, means slidably mounting the anchoring slips on the body member, means on the slip mounting means for frictionally engaging the pipe, an expander sleeve slidable on the body member and having opposed conical ends for wedgingly expanding and setting the packing sleeve and said slips respectively responsive to relative movement of the expander sleeve and body member, means releasably connecting the slip mounting means with the body member, and a lost motion connection between said slip mounting means and the expander sleeve separate from the slips to limit relative movement of the slip mounting means and the expander sleeve and to effect withdrawal of the packing sleeve from wedging engagement with the pipe.

2,136,048
DUAL MAGAZINE CONTROL
Maurus T. Goetz, Chicago, Ill., assignor, by mesne assignments, to Teletypesetter Corporation, a corporation of Delaware
Application December 30, 1935, Serial No. 56,608
18 Claims. (Cl. 199—19)

1. In an automatic control device, signal presenting means, selector means responsive to presented signals, means controlled by the selector means for interrupting the signal presenting means, means also controlled by said selector means for initiating operations, and means controlled by said operation initiating means for restarting said signal presenting means after various intervals depending upon the nature of presented signals.



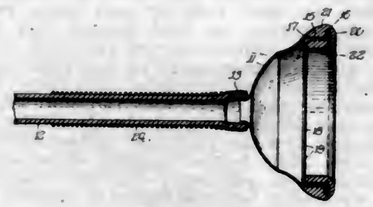
2,136,049
TRANSMISSION MECHANISM
Ewald Hering, Berlin-Siemensstadt, Germany
Application February 11, 1937, Serial No. 125,251
In Germany February 15, 1936
14 Claims. (Cl. 192—48)



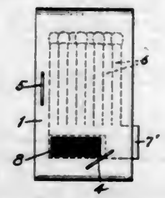
1. In a transmission mechanism a driving shaft, a member rigid on said driving shaft and having two coupling surfaces, a main clutch, resilient means to normally press said main clutch against one of said surfaces, an auxiliary clutch arranged to cooperate with the second surface and clutch operating means, said means including a lever having one fulcrum operating on said main clutch and a second fulcrum operating on said auxiliary clutch to withdraw said main clutch from its corresponding surface against the action of said resilient means thereby reducing the coupling pressure of said main clutch and simultaneously to proportionally increase the coupling pressure of the auxiliary clutch.

2,136,050
SPRAY HEAD
Orloff W. Holden, Chicago, Ill., assignor to Knickerbocker Rubber Company, Chicago, Ill., a corporation of Illinois
Application April 1, 1937, Serial No. 134,295
5 Claims. (Cl. 299—141)

1. A bell-shaped spray head providing an interior forwardly facing seat and terminating in a marginal flange, a perforated spray disk removably disposed within the head upon said seat, a rubber ring removably embracing the flanged margin of the head and projecting rearwardly within the head into abutment with the margin of the disk, whereby the disk may be removed for cleansing.



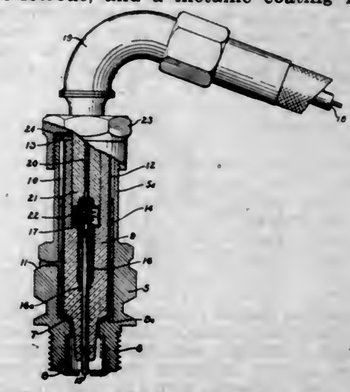
2,136,051
SAFETY BOOK MATCH
Henry R. Howland, Brooklyn, N. Y.
Application December 24, 1937, Serial No. 181,483
1 Claim. (Cl. 206—29)



In a safety match packet, a paper envelope formed by a paper strip folded transversely intermediate its length to close the top end of said packet, one free end of said strip being folded over the other free end and united thereto by means penetrating the several thicknesses to close the lower end of said packet, a paper match strip comprising a plurality of detachable match ends connected to a transverse strip at the base of said match ends, said paper match strips being wholly enclosed within said envelope when in its safety position, said strip being pivotally mounted near its edge on the aforesaid connecting means to permit said match strip to be rotated to a position to expose the match ends for detachment, a striker strip on one surface of the base of said match strip extending transversely of said match ends, said envelope having a transverse passage through one wall thereof registering with said striker surface only when said packet is closed.

2,136,052
IGNITION DEVICE
Roy T. Hurley, Dobbs Ferry, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application July 16, 1936, Serial No. 90,846
17 Claims. (Cl. 123—169)

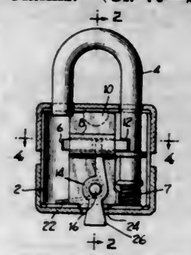
1. In a spark plug, a metallic body, an electrode, an insulator interposed between said body and electrode, and a metallic coating fused to the surface of said insulator and interposed between said insulator and said body.



2,136,053
ALUMINUM BASE ALLOY
Noak Victor Hybinette, Jackson, Mich.
No Drawing. Application February 18, 1935, Serial No. 7,077
3 Claims. (Cl. 75—140)

1. An alloy of aluminum containing between 15 and 30 percent copper, 5 to 15 percent zinc, 1 to 5 percent tin, and the balance aluminum except for impurities, the alloy being characterized by relatively great hardness and low casting shrinkage.

2,136,054
LOCK
Vincent E. Malley, Terryville, Conn., assignor to Eagle Lock Co., New York, N. Y., a corporation of Connecticut
Application April 29, 1937, Serial No. 139,749
2 Claims. (Cl. 70—20)

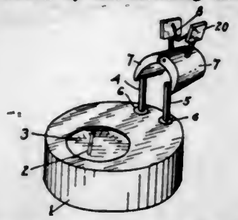


1. In a lock of the class described, the combination of a lock-case, a shackle, a bolt mounted in the lock-case adapted to be moved into and out of locking engagement with the shackle, and a device pivoted in the lock-case having one end operatively connected with said bolt and adapted to be turned in opposite directions to move the bolt into and out of locking engagement with the shackle, said device having a finger-piece on its other end projecting outside of the casing for turning said device to move the bolt out of engagement with the shackle.

2,136,055
MEANS AND METHOD FOR MEASURING TEMPERATURES
John Miller, New York, N. Y.
Application November 27, 1936, Serial No. 113,090
4 Claims. (Cl. 73—359)

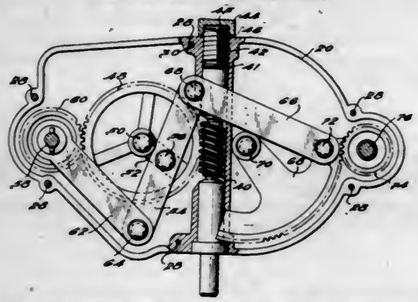
4. An apparatus for measuring the tempera-

ture of hair treating devices and the like comprising: a housing forming a supporting base, spaced thermo-couple elements of a thermo-couple projecting from said housing in position to be contacted by the heating devices, and cur-



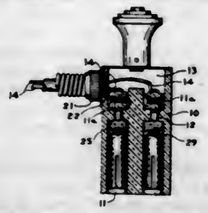
rent indicating means mounted within said housing and electrically connected with said elements; said housing offering sufficient anchorage so as not to be readily displaced during the engagement of said elements with the treating devices when the latter is applied thereto under pressure.

2,136,056
WASHING MACHINE
Charles A. Moore, Detroit, Mich., assignor to Borg-Warner Corporation, a corporation of Illinois
Application November 13, 1936, Serial No. 110,558
10 Claims. (Cl. 74—71)



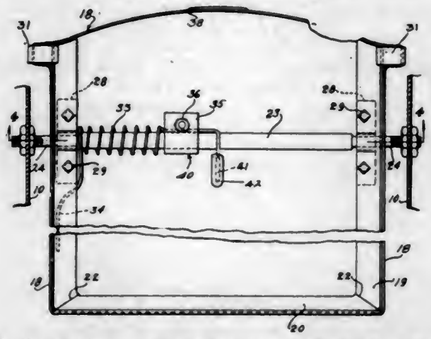
1. Drive mechanism comprising a driven shaft with driving means thereon, means driven by said driving means for driving another shaft, and means associated with said second mentioned means for driving another shaft about its axis through an arc of greater than 360°, first in one direction and then in the other, said third mentioned means being pivoted about one of said shafts.

2,136,057
CONTACT PLUG
Nathan Olshansky, Stamford, Conn.
Application January 17, 1936, Serial No. 59,481
4 Claims. (Cl. 173—332)



4. An electrical connector having an insulation body, said body having a pair of parallel bores formed therein and leading from one of the surfaces of said body, a conducting tube inserted into each of said bores, means whereby said tubes are fixedly secured in each of said bores, wires leading through said insulation body to each of said tubes, a contact sleeve inserted into each of said tubes in said bores through the open ends of said bores, readily releasable means on said sleeves and tubes whereby said contact sleeves are held in said tubes and are maintained in electrical contact therewith, said sleeves being otherwise freely mounted in said tubes and therefore in said bores, said sleeves being adapted to receive electrodes and to make electrical contact with said electrodes while serving as part of an electric circuit between said electrodes and said tubes, said electrodes being maintained spaced from said tubes by said sleeves.

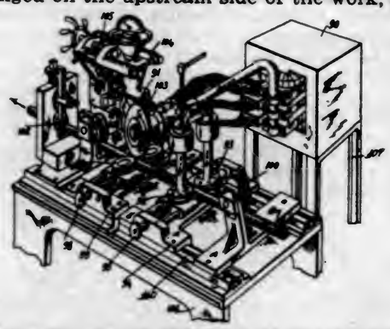
2,136,058
CHAIR
Sam Peppas, Elyria, Ohio
Application June 15, 1936, Serial No. 85,221
4 Claims. (Cl. 155—85)



1. A chair construction comprising a frame having spaced side members, a seat adapted for pivotal movement in relation to said side members, said seat including a bottom member provided with upwardly extending flanges on diametrically opposite sides, said flanges having transversely aligned openings therein, a rod extending across said bottom member and having its opposite ends projecting through the aligned openings in said flanges, the ends of the rod being secured against movement respectively in said side members, a spring member having a coiled portion encircling a portion of said rod and laterally extending opposite end portions, one of which end portions engages said bottom member and is movable therewith and the other of said end portions being secured to said rod, said spring member being tensioned to resistibly maintain said seat in its normal raised position, and a cushion top member removably mounted in the upper portions of said flanges whereby said spring member is concealed between said cushion and bottom member.

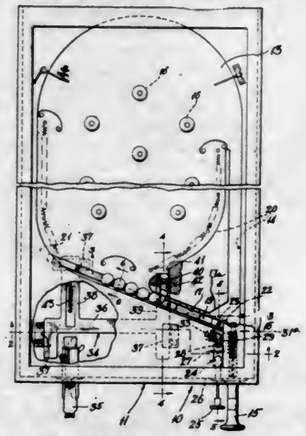
2,136,059
MACHINE FOR THE ELECTRIC WELDING OF TUBES
David Sciaky, Paris, France
Original application May 29, 1936, Serial No. 82,485. Divided and this application December 2, 1936, Serial No. 113,779. In France May 29, 1935
5 Claims. (Cl. 219—6)

1. In a machine for the electric resistance welding of tubes; means for displacing the work with a continuous translation movement; a main welding transformer having a primary winding and a secondary winding for welding; roller electrodes for the supply of the current arranged on the upstream side of the work, con-



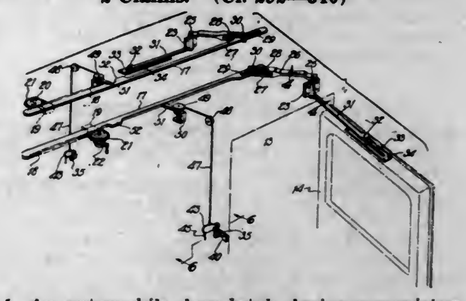
nected with one of the ends of the secondary winding of the main transformer; and a roller electrode arranged on the downstream side over the gap in the work and connected to the other end of the secondary winding of the main transformer.

2,136,060
GAME APPARATUS
Ken C. Shyvers, Chicago, Ill., assignor of one-fourth to Charles B. Cannon, Chicago, Ill.
Application April 13, 1937, Serial No. 136,628
5 Claims. (Cl. 273—121)



1. In a game apparatus, the combination of: a cabinet or casing including an inclined ball-playing surface, a ball runway in the said cabinet at one side of the said ball-playing surface for guiding balls onto the upper portion of the latter, a ball-propelling device arranged in the lower end portion of the said ball runway for propelling balls up the latter and onto the upper portion of the said inclined ball-playing surface so that they may gravitate over the latter, and a second ball runway in the said cabinet, and at the same level as the inclined ball-playing surface, for directing spent or played balls from the lower portion of the said inclined ball-playing surface into the lower end portion of the said first-named ball runway, the said second-named ball runway extending from the lower portion of the said inclined ball-playing surface toward that side of the said cabinet at which the said first-named ball runway and ball-propelling device are located and having communication at its upper end with the lower portion of the said inclined ball-playing surface and having communication at its lower end with the lower end portion of the said first-named ball runway, and means for ejecting balls, one at a time, from the lower end portion of the said second-named ball runway into the lower end portion of the said first-named ball runway and into a position to be propelled up the latter by the said ball-propelling device, said second-named runway having an obstruction in the lower end portion thereof preventing balls from traveling by gravity from the said second-named runway into the said first-named runway, and the said ball-ejecting means including a member for forcing a ball out of the lower end portion of the said second-named runway around the said obstruction and into the lower end portion of the said first-named runway.

2,136,061
DOOR OPENING AND CLOSING MECHANISM
Alvin B. Steele, New York, N. Y.
Application August 4, 1936, Serial No. 94,158
2 Claims. (Cl. 292—340)

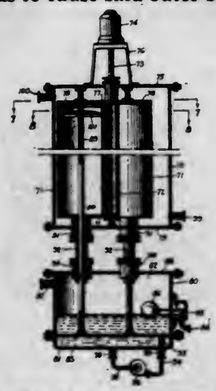


1. An automobile door latch device comprising in combination, a keeper member pivoted at one of its ends and adapted to be mounted in the jamb of a door opening, a hook shaped keeper element provided on the free end of said keeper member, spring means acting upon said keeper member to normally extend the hook shaped keeper element in extended position, actuating means for moving said keeper member to a retracted position, said actuating means including a pivoted spring pressed actuating member disposed above said keeper member and in pressing engagement with the bill of said hook shaped keeper element, the pivotal axis of the catch member being at right angles to the pivotal axis of the keeper member and a cable connected with said actuating member for actuating the same against its spring tension to cause the actuating member to forcibly press against the bill of said hook shaped keeper element to move the latter to a retracted position.

2,136,062
APPARATUS FOR EXTRACTING PARAFFIN FROM MINERAL OILS
Heinrich Süss, Berlin-Tegel, Germany, assignor to Rheinmetall-Borsig Aktiengesellschaft Werk Borsig Berlin-Tegel, Berlin-Tegel, Germany, a corporation of Germany
Application February 26, 1938, Serial No. 192,705
In Germany April 19, 1937
9 Claims. (Cl. 62—114)

1. A device for cooling liquids, comprising a plurality of vertical cooling cylinders constituting a single group, each of said cylinders having

inner and outer heat-transmitting surfaces, a single scraping device in contact with the outer surfaces of all of said cylinders, means rotating said cylinders and said scraping device at different speeds to cause said outer surfaces to move



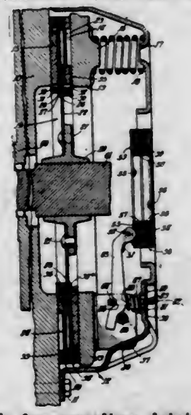
relatively to said scraping device while in contact therewith, means causing the flow of a cooling medium along and in contact with said inner surfaces, and means causing the liquid to be cooled to contact said outer surfaces.

2,136,063

SELF-ENERGIZING CLUTCH

Benjamin A. Swennes, Rockford, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application June 8, 1936, Serial No. 84,081
10 Claims. (Cl. 192—54)



1. In a clutch for coupling driving and driven shafts, a disk splined to said driven shaft and having cam lugs projecting laterally therefrom, a friction facing element rotatable on said disk and having recesses adapted to receive said lugs, and said lugs camming against the sides of said recesses to cause lateral separation of said disk and said friction facing element incident to such rotation.

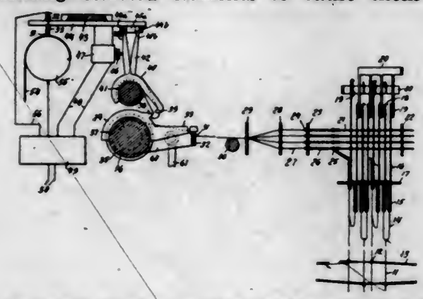
2,136,064

TEXTILE MACHINE

William S. Tandler and George Fisher, New York, N. Y., assignors to Lefler Patent Company, Inc., a corporation of New York

Application September 17, 1936, Serial No. 101,233
25 Claims. (Cl. 139—55)

1. In a loom, the combination of a plurality of heddles, a plurality of control members, connections between the control members and the heddles to be controlled thereby, a plurality of selecting elements one for each member, means operating normally to cause said control members to reciprocate in unison, and means for operating selected elements to cause them to



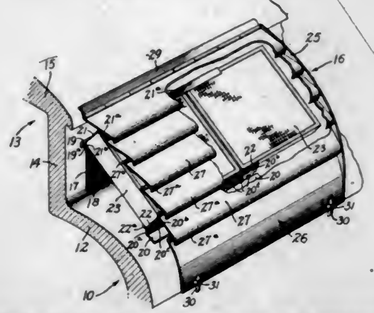
render said moving means ineffective to bring about said movement of the control members associated with said selected elements, said operating means including an electromechanical translating device and means for giving said device and selecting elements a relative movement in which the elements are brought successively into cooperative relation with said device.

2,136,065

AIR FILTER FOR RAILROAD CARS

Alexander E. Voigt, Topeka, Kans.

Application September 12, 1935, Serial No. 40,195
7 Claims. (Cl. 98—13)



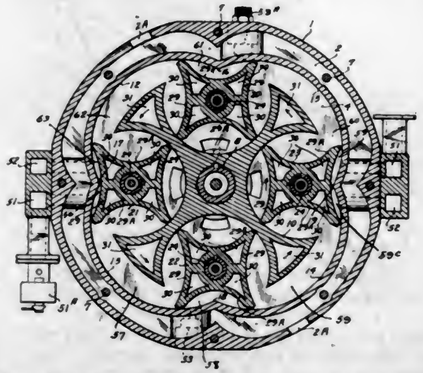
7. In railroad car construction, in combination, a car having an upper structure including a substantially vertical wall portion and a generally horizontal portion extending laterally outwardly from said vertical wall portion, the underside of said horizontal portion forming a portion of the ceiling of the car, means forming an air inlet port in said vertical wall portion, a wall at each end of said air inlet port secured to said vertical wall portion and extending laterally outwardly therefrom, the bottom edges of said outwardly extending walls resting on said horizontal portion, a ventilated closure bridging the space between the upper edges of said laterally extending walls and forming therewith an enclosure about the exterior side of said air inlet port with respect to said car, an air filtering unit within said enclosure and resting against said vertical and horizontal portions in an inclined position, and means maintaining said unit in said inclined position whereby it bridges the angle formed by said vertical and horizontal portions, the ends of said filtering unit being substantially adjacent said outwardly extending walls whereby the air drawn through said inlet port is first filtered by said filtering unit.

2,136,066

ROTARY ENGINE

Arthur L. Walters and Harve H. Hendrick, Baker, Oreg., assignors of fifteen per cent to C. J. Bartlett and fifteen per cent to Truman W. Collins

Application May 13, 1935, Serial No. 21,286
15 Claims. (Cl. 123—8)

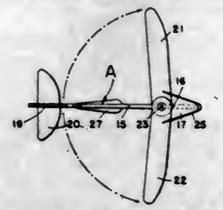


1. In a device of the class described, the combination of a ported stator, said stator having its inner surface formed of a plurality of like and uniform cylindrical segments the axes of which being eccentric relative to the central axis of said stator, a shaft disposed transversely of the stator and journaled therein, a primary rotor fixedly disposed upon the shaft, said rotor having four wings, like in shape and equally spaced apart, and plates fixed to the shaft upon which the primary rotor is mounted and abutting the opposite ends of the primary rotor and secondary rotors journaled within the end plates and rotatable relative to the wings of the primary rotor and means for rotating the secondary rotors in timed relation with the primary rotor and with each other.

2,136,067

Emil A. Witte, Milwaukee, Wis., assignor, by mesne assignments, to Western Coil & Electrical Co., Racine, Wis., a corporation of Wisconsin

Application August 16, 1937, Serial No. 159,375
3 Claims. (Cl. 46—80)



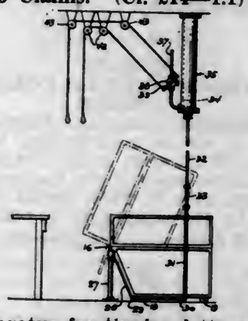
2. In a toy airplane of the character described, a longitudinally extending body stick, rigid wings having their inner ends arranged in overlapping position over the body stick adjacent the forward end thereof, a pivot pin extending through the wings and into the body stick for pivotally mounting the wings upon the body stick, the wings being adapted to be folded back one over the other over the body stick, a wind vane hingedly mounted on the lower surface of the body stick having a latch pin adapted to be swung between the wings for holding the wings in a collapsed position when the vane is in one position, and spring means normally urging the vane and the latch pin to a released position away from the wings.

2,136,068

MEANS FOR HANDLING HARVESTING APPARATUS

Thomas F. Allen, Watsonville, Calif.

Application May 4, 1936, Serial No. 77,711
3 Claims. (Cl. 214—1.1)



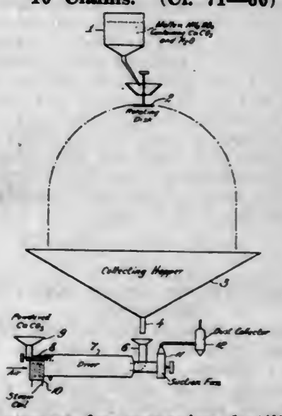
2. An apparatus for tipping lettuce baskets or the like which comprises a cradle pivoted adjacent one side of the basket and extending down said one side and beneath the basket whereby baskets on casters may be freely moved to and from the cradle from the opposite side thereof, and a hoisting means engaging the cradle at a point beneath the basket, said hoisting means including an inverted U-shaped spreader paralleling the top and two ends of a basket positioned in the cradle.

2,136,069

PROCESS FOR PRODUCING GRANULAR FERTILIZERS

Herman A. Beekhuis, Jr., Petersburg, Va., assignor, by mesne assignments, to The Solvay Process Company, New York, N. Y., a corporation of New York

Application June 5, 1934, Serial No. 729,087
10 Claims. (Cl. 71—60)

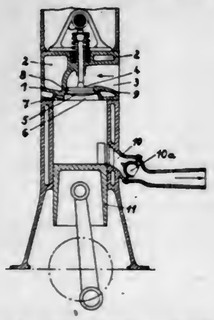


1. The process for preparing fertilizers which comprises forming a mixture of ammonium nitrate and an inert finely divided solid material

containing a small proportion of moisture into granules, mixing said granules with finely divided inert solid material and drying the mixture of granules and inert solid material while heating it to a temperature at which the exterior of the granules softens and there is formed on the granules an adhering surface coating of the last mentioned inert solid material.

5. In a process for producing a fertilizer in which moist granules comprising an intimate mixture of ammonium nitrate and an inert solid are treated with heated air to droy the granules, the improvement which comprises treating said moist granules with heated air carrying finely divided solid material in suspension therein while agitating the granules to prevent them from sticking together.

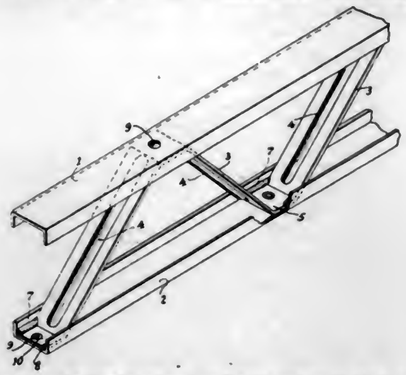
2,136,070
TWO-STROKE INTERNAL COMBUSTION ENGINE
Alfred Bokemüller, Gaggenau-Baden, Germany, assignor, by mesne assignments, to Sir W. G. Armstrong Whitworth & Co. (Engineers) Limited, Newcastle-upon-Tyne, England
Application July 8, 1936, Serial No. 89,538
In Germany July 8, 1935
4 Claims. (Cl. 123—65)



2. In a two-stroke cycle internal combustion engine, in combination, a cylinder provided with an exhaust orifice, a valve adapted to open and close said orifice said valve comprising a disk, and a seating surface therefor positioned transversely with respect to the direction of motion of the said disk, said seating surface having a portion extending parallel to the direction of motion of said disk, whereby said valve opens only after said disk has travelled a predetermined distance, means for opening said exhaust valve to permit the burnt gases to be discharged from the cylinder at high velocity and as a mass, leaving a high depression behind them, an inlet passage communicating with the cylinder, a valve adapted to open and close said inlet passage, and means for opening said inlet valve when the said depression has been created and a suction effect is exerted at the inlet orifice.

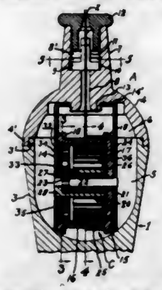
2,136,071
METALLIC TRUSS BEAM AND JOINT THEREFOR
Elmer A. Braden, Springfield, Ill.
Application June 14, 1937, Serial No. 148,041
1 Claim. (Cl. 189—37)

In a metallic truss beam having a pair of parallel channel plates with their open faces adjacent and an intermediate zig-zag type trussing member supporting said plates in their spaced relation, a joint forming the bond between said trussing member and said channel plates; said joint comprising a relatively flat portion of said zig-zag trussing member and the contact portion of one of said channel plates each inner-connected by a relatively close fitting relation to the contact portion and a shearing weld along the opposite lateral edges of the flat contact portion of the trussing member and the adjacent inner face surfaces of the respective channel plates; said channel plates each provided with a hole, the material around which is inwardly extending to



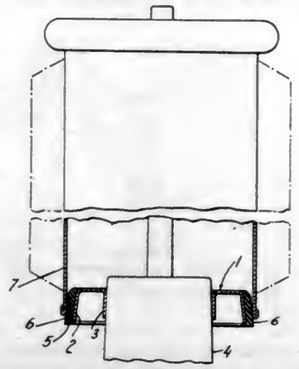
define a relatively short collar and said flat contact portions of the trussing members each respectively provided with a centering hole to seat down over said collars of the channel plates for centering and rigidly holding the bond between the channel plates and trussing members; whereby when said zig-zag type trussing member is welded at its contact points with said parallel channel plates defining a truss beam, a major strength may be provided in said bonding joint of the beam tending to make the joint permanent and substantial in character.

2,136,072
AUTOMATIC PLUMB BOB
Eugene S. Bush, St. Louis, Mo., assignor to Bush-Harman Products, Inc., St. Louis, Mo., a corporation of Missouri
Application July 13, 1936, Serial No. 90,376
1 Claim. (Cl. 242—108)



In a spring winding reel, a hollow winding element, a coil spring and spring case therein, a hollow spring arbor secured to the inner end of the spring, the outer end of the spring being connected to the case, a rotatable member extending internally of the arbor, a winding pinion carried by said rotatable member, said member and pinion being co-axial with and rotatively secured to the hollow winding element, and a gear train operable by said winding pinion responsive to rotation of the winding element for rotation of the spring case.

2,136,073
BOBBIN BASE
Wilfrid B. Cooper, Rome, Ga., assignor to Tubize Chatillon Corporation, New York, N. Y., a corporation of Delaware
Application October 27, 1937, Serial No. 171,257
3 Claims. (Cl. 242—46.5)



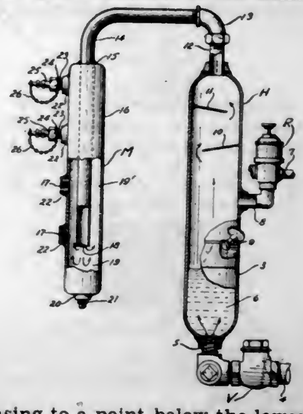
1. A bobbin base for upstroke twister apparatus which comprises a metal member having a central opening for engaging a spindle, said metal member having an exterior surface concentric with the spindle, and a yieldable member formed of elastic rubber bonded to the said exterior surface of the metal member, said yieldable member being annular in form and of a sufficient thickness to yield under the action of centrifugal force and make a snug circumferential engagement with the inner surface of the bobbin when rotated at high speeds.

2,136,074
FLOTATION OF CULM
Bruce D. Crawford, Cedar Grove, N. J., and Harry A. Grine, Chestertown, Md.
No Drawing. Application August 26, 1936, Serial No. 98,072
8 Claims. (Cl. 209—166)

1. A method of cleaning slush culm which comprises classifying the culm into a plurality of sizes ranges, the cut between the finest and next size range occurring at a point substantially coarser than 100 mesh and subjecting each size range to a froth flotation process separately with amounts of reagents and flotation time sufficient to produce a concentrate of low ash coal substantially uncontaminated with any considerable amounts of high ash material.

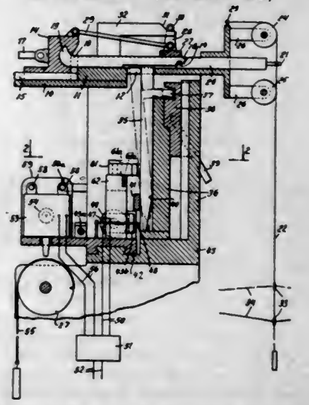
2,136,075
GAS DELIVERY APPARATUS
Maurice P. De Motte, Indianapolis, Ind., assignor to The Prest-O-Lite Company, Inc., a corporation of New York
Application January 18, 1936, Serial No. 59,685
3 Claims. (Cl. 48—192)

2. In acetylene generating and supply apparatus, the combination of a hydraulic back-pressure arrester adapted to be connected to a source of acetylene gas and having means for intercepting moisture carried by the gas flowing therethrough; a combination moisture trap and gas outlet manifold including an enclosed substantially long and narrow vertical casing having a plurality of outlets at predetermined heights in the side thereof, and an imperforate gas supply pipe communicating with the outlet of said arrester and entering the top of said casing and extending in spaced relation to the inside surface



of said casing to a point below the lowest of said side outlets.

2,136,076
PATTERN CONTROL MECHANISM
George Fisher and William S. Tandler, New York, N. Y., assignors to Lefier Patent Company, Inc., New York, N. Y., a corporation of New York
Application November 13, 1936, Serial No. 110,606
19 Claims. (Cl. 139—55)

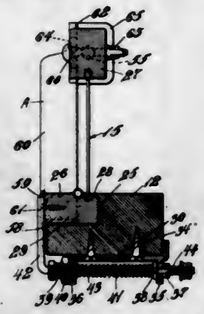


1. Apparatus for controlling the operation of a machine having a plurality of selectively operable parts, which comprises the combination of a plurality of control members, means operable to establish individual connections between said members and respective parts to be controlled thereby, means for moving said members and the parts connected thereto, a plurality of selector elements, one for each member, means for selecting elements to be operated including a pattern mechanism, and means for moving selected elements to cause them to effect a relative displacement of their respective control members and associated connecting means and render said means ineffective.

2,136,077
CUSHIONING DEVICE
Alfred A. Gobeille, Sr., Shannock, R. I.
Application October 11, 1934, Serial No. 747,852
28 Claims. (Cl. 139—188)

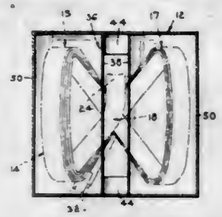
28. In a loom, a lay, a reed movably mounted

thereon, means resisting movement of the reed, and means for applying at the time of a single beat-up of the pick an accelerated intensity of



resistance to the movement of the reed relative to the lay at a predetermined point in the movement of said reed.

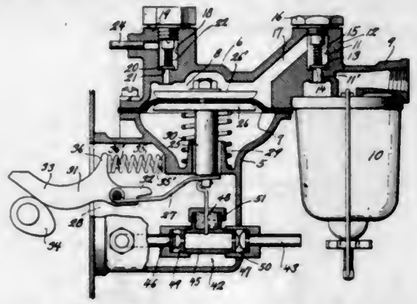
2,136,078
PACKAGE
Bertram J. Goldsmith, New York, N. Y.
Application February 3, 1937, Serial No. 123,877
11 Claims. (Cl. 206—51)



1. A package of material comprising a container provided with an opening for dispensing the material, a length of material arranged within said container in the form of a wound mass comprising a plurality of continuous convolutions arranged in axially displaced groups with intermediate portions of the length of material crossing each other at a point between two groups of said convolutions whereby successive portions of the length of material can be withdrawn from the wound mass at a point opposite said crossed portions and through said container opening, and means for maintaining said groups of convolutions in said axially displaced relation.

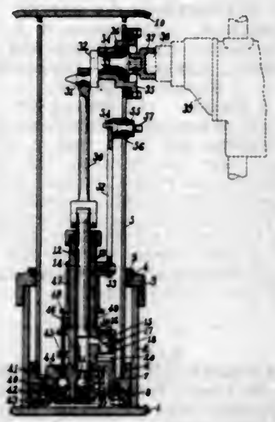
2,136,079
DEVICE FOR FEEDING FLUID TO THE MOTOR PORTIONS OF INTERNAL COMBUSTION ENGINES
Butler J. Haskins, Chicago, Ill., assignor to Joseph Weidenhoff Inc., Chicago, Ill., a corporation of Illinois
Application February 8, 1935, Serial No. 5,546
17 Claims. (Cl. 123—198)

1. A combined fuel pump and liquid feeding device comprising, in combination, a casing, a cover for the casing having a recess therein, a diaphragm clamped between the casing and the cover to form one wall of a fuel pumping chamber, an inlet passageway leading to said pumping chamber, an outlet passageway communicating with the carbureter for the engine and controlled by the float valve therein, a rod connected to said diaphragm, driving means forcibly and repeatedly moving said rod in a direction to enlarge the pumping chamber, resilient means urging said rod in a direction to decrease the size of the pumping chamber to effect a discharge of fuel therefrom, a liquid supply reservoir, a conduit leading from said reservoir to the intake manifold of the engine to supply variable quantities of liquid thereto, a portion of said conduit



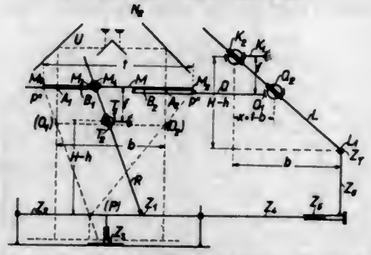
being housed within the casing, means forming a chamber in that portion of the conduit housed within the casing including a plunger connected to said rod and extending into the chamber to discharge quantities of liquid therefrom varying in accordance with the movement of said rod and independently of the movement of said driving means.

2,136,080
HYDRAULIC ABUTMENT DEVICE
Joseph F. Joy, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application September 19, 1934, Serial No. 744,703
4 Claims. (Cl. 60—52)



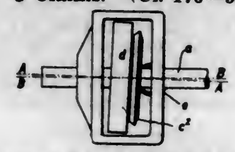
1. In combination, in an apparatus of the character described, a cylinder member, a piston member reciprocable therein, each of said members having an abutment element associated therewith, a pump carried by said piston and having a cylinder fixed with respect to the latter for displacing fluid from one side of said piston to the other, a fluid displaceable by said pump, means controlling reverse flow of said fluid, and controlling means for said reverse-flow-controlling means including an element surrounding said pump cylinder and movable axially of the latter to enable such reverse flow.

2,136,081
STEREOPHOTOGRAMMETRIC PLOTTING APPARATUS
Wilhelm Kern, Jena, Germany, assignor to the firm of Carl Zeiss, Jena, Germany
Application May 14, 1938, Serial No. 207,957
In Austria May 18, 1937
4 Claims. (Cl. 33—20)



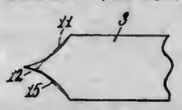
1. An apparatus for the plotting of maps from a pair of aero-stereophotographic measuring images, comprising a support on which said pair of images is so disposed that the measuring images lie in one plane, another support on which a pair of measuring marks is so disposed that the two measuring marks determine a straight line parallel to said plane, the two members of one of said two pairs being disposed on the corresponding support and adjustable parallel to said straight line, said two supports being adjustable parallel to said plane and parallel to each other, a control lever universally rotatable about a point and so coupled to said adjustable support that its position in space permanently corresponds to the position of one of the two rays which, in the exposure, imaged on the two emulsion carriers that point of a landscape according to the image points of which said measuring images and said measuring marks are adjusted relatively to each other in the plotting apparatus, a plotting device consisting of a plotting pencil and a plane drawing paper, and means for so influencing said plotting pencil through the agency of said control lever that for any point in the landscape lying at any height above a predetermined reference plane said plotting pencil is adjusted parallel to said drawing paper and according to the distance at which, in said reference plane, the horizontal projection of said point lies from the perspective projection of said point in the direction of said one ray.

2,136,082
ELECTRODE FEEDING MECHANISM FOR ARC LAMPS
Walter Kurt Krieg and Ernst Scheller, Jena, Germany, assignors to the firm Carl Zeiss, Jena, Germany
Application January 22, 1938, Serial No. 186,376
In Germany January 27, 1937
5 Claims. (Cl. 176—55)



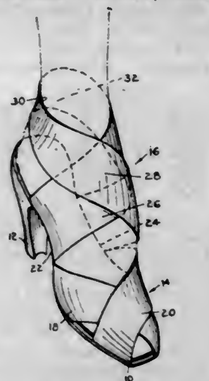
1. In an arc lamp, a holder for an electrode, a feeding mechanism for said electrode, said feeding mechanism having an annular wheel provided with a central orifice through which the electrode passes and for feeding said electrode through said holder, said annular wheel being mounted on said holder and rotatable about an axis crossing the axis of said electrode at an acute angle and thus imparting screw motions to said electrode when said annular wheel is rotated.

2,136,083
TOOL FORGING METHOD
Paul H. Nast, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application January 30, 1934, Serial No. 708,996
5 Claims. (Cl. 76—108)



1. The method of forming cutting edges of a cross bit comprising initially swaging the wing surfaces of the bit into a concave form and thereafter upsetting the wing surfaces by a dollying process to increase the angle adjacent the cutting edge.

2,136,084
SHOE
Andre Perugia, Paris, France
Application October 19, 1936, Serial No. 106,279
7 Claims. (Cl. 36—11.5)

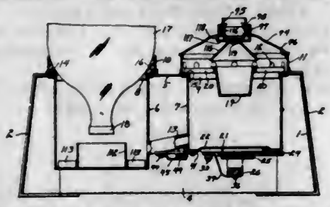


1. A low shoe comprising a sole, a heel, and an upper, said upper comprising a strap secured to the shoe and having a looped portion extending toward the rear of the shoe and defining the foot opening, and arranged to encircle the wearer's ankle in snug relation thereto, said strap having forward portions of substantial width the forward portions of said strap being crossed and secured to opposite sides of the shoe at the shank portion, the rear edges of said forward strap portions being positioned substantially at the heel breast line of the shoe.

2,136,085
INHALATOR
William C. Roe and Mayo E. Roe, Elyria, Ohio, assignors to The Colson Corporation, Elyria, Ohio, a corporation of Ohio
Application October 19, 1936, Serial No. 106,335
2 Claims. (Cl. 128—192)

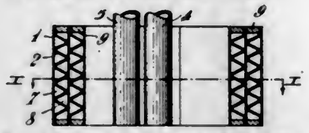
1. In an inhalator apparatus, a housing, a pair of spaced receptacles having upwardly open ends adjacent the top of said housing, the first of said receptacles adapted to receive a bottle reservoir in an inverted position to receive liquid therefrom, the second of said receptacles adapted to

receive a vapor collector and discharge conduit, a medicant container suspended in the open end of said second receptacle, means for supplying liquid to said second receptacle from said first receptacle comprising a conduit extending in an upwardly inclined plane from said first receptacle to said second receptacle whereby a comparatively



small volume of liquid is maintained in said second receptacle, electrical heating means associated with said second receptacle for vaporizing the liquid supplied thereto and for heating the medicant container, and means for admitting air into said vapor collector to mix with the heated vapors therein.

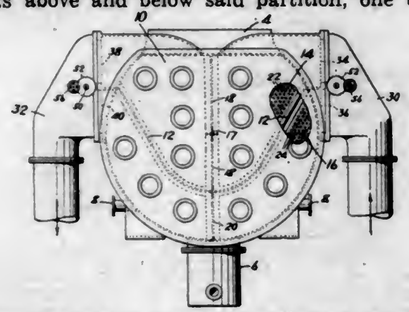
2,136,086
HEAT EXCHANGERS
Curt Fredrik Rosenblad, Sodertalje, Sweden, assignor to Aktiebolaget Rosenblads Patenter, Sodertalje, Sweden, a corporation of Sweden
Application February 4, 1937, Serial No. 124,113
In Sweden February 1, 1936
4 Claims. (Cl. 257—245)



1. In a heat exchanger for indirect heat transmission between fluids, substantially parallel spiral walls of sheet metal forming therebetween spiral channels for flow of the fluids in spiral paths, at least one of said spiral walls being corrugated, the corrugations extending substantially parallel to the direction of flow, the crests of the corrugations abutting along substantially their entire length against the adjacent walls on both sides of said corrugated walls so that all said walls abut directly against each other.

2,136,087
HEAT EXCHANGE APPARATUS
William F. Schroth, Philadelphia, Pa., assignor to C. H. Wheeler Manufacturing Co., Philadelphia, Pa., a corporation of Pennsylvania
Application February 16, 1937, Serial No. 125,960
4 Claims. (Cl. 257—43)

4. Heat exchange apparatus including substantially horizontal tubes arranged for the passage therethrough of flowing liquid taking part in the heat exchange, upper and lower chambers, separated by a laterally extending partition, at one end of the tubes, said laterally extending partition having a depressed central portion to provide a lower chamber having side portions extending upwardly above the central portion of the lower chamber to form a concavity receiving the lower central portion of the upper chamber, there being two groups of tubes, one group communicating with the upper chamber and the other group with the lower chamber, a common chamber for both groups of tubes at the other end thereof, means for passing fluid through said apparatus successively about the groups of tubes for heat exchange with liquid in the tubes, liquid supply and discharge conduits, and means for alternately connecting said upper and lower chambers with said supply and discharge conduits to provide reversal of liquid flow through the tubes, said last mentioned means comprising upwardly sliding valves arranged to control openings above and below said partition, one con-



trolling flow into both said chambers from the supply conduit and the other controlling flow from both chambers into the discharge conduit, said discharge and supply conduits being located adjacent the opposite ends of said partition at the uppermost portions of the chambers, so that cross flow of liquid through said chambers may be effected when said valves are in intermediate positions.

2,136,088
BED ATTACHMENT
Richard M. Stevens, Sr., Southfields, N. Y., assignor to Frank A. Hall & Sons, New York, N. Y.
Application August 17, 1937, Serial No. 159,477
2 Claims. (Cl. 5—331)

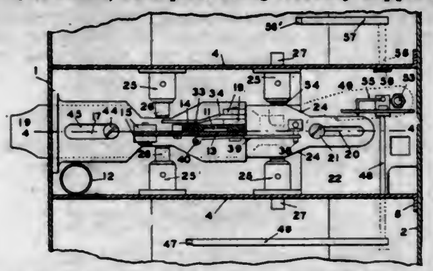


1. A quickly detachable side wall attachment for beds having vertical end posts, comprising an L-shaped supporting frame, the horizontal leg of which has longitudinally telescoping parts, one of which is fixed to the vertical leg of the L-shaped frame, spring means normally urging said telescoping parts into distended relation, and a guard wall section of lesser length than the supporting frame section hingedly connected to the horizontal fixed leg of the supporting frame section, means on the legs of the L-shaped supporting frame section for straddling the end posts on a bed frame, and cooperating latching means on the guard wall section and on the supporting frame section for detachably holding said sections in substantially a common plane.

2,136,089
VENDING MACHINE
Obed W. Stone, St. Louis, Mo.
Application May 15, 1937, Serial No. 142,744
5 Claims. (Cl. 312—48)

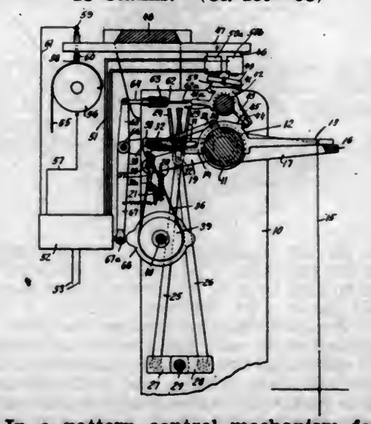
1. In a vending machine, a housing, a pair of

spaced article-containing compartments in said housing, an operating slide supported in said housing between said compartments and provided with cam faces, and a pair of pins for each compartment, said pins being slidably supported



by the housing and cooperating with the slide, spring means biasing the pins toward retracted position, the cam faces of the slide acting on each pair of pins to alternately project them against the action of the spring means to successively release articles contained in the compartments.

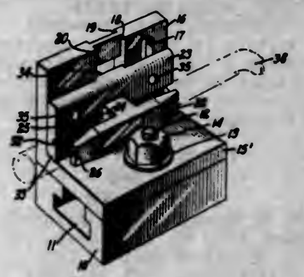
2,136,090
TEXTILE MACHINE
William S. Tandler and George Fisher, New York, N. Y., assignors to Lefler Patent Company, Inc., a corporation of New York
Application October 2, 1936, Serial No. 103,640
18 Claims. (Cl. 139—55)



1. In a pattern control mechanism for controlling the operation of the heddles of a loom, the combination of a plurality of control members connected directly to the heddles to be controlled thereby, means for actuating the control members selectively to cause the heddles of selected members to be displaced to form a warp shed, and means for selecting the control members including a plurality of selector elements, one for each control member, means for operating selected elements to render them effective to prevent movement of their respective members in one direction, and separate means for engaging and holding said respective members against movement in said direction.

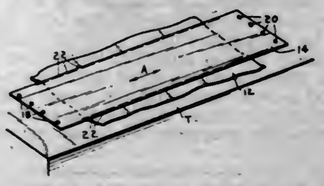
2,136,091
TOOL HOLDER
Thomas B. Tiefenbacher, Paterson, N. J.
Application August 24, 1937, Serial No. 160,573
7 Claims. (Cl. 82—37)

1. A tool-holder comprising an upright member having a slot therein, supporting means extending through said slot, an outer clamping plate, an intermediate clamping plate and an inner clamping plate all carried by said supporting means whereby all of said clamping plates are movable simultaneously to secure a predetermined horizontal position thereof, means car-



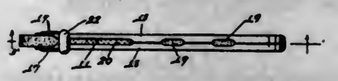
ried by one of said plates for holding the tool to be clamped, means extending through said upright member for non-rotatably holding all of said plates in a predetermined, adjusted vertical position and means for clamping said plates together and said tool in said adjusted and working position.

2,136,092
METHOD OF MAKING ELASTIC LEATHER
Seymour Troy, New York, N. Y.
Application March 10, 1937, Serial No. 129,989
3 Claims. (Cl. 69—21)



1. The method of making elastic leather which comprises providing a layer of soft and flexible leather such as suede or kidskin, stretching a layer of elastic sheet material over said leather, interposing a layer of rubber cement between said layers of leather and elastic sheet material, pressing the contiguous surfaces of said layers together while said elastic sheet material is stretched and under tension and while said leather layer is unstretched whereby to adhesively unite said layers in superposed relation while said layer of elastic material is in said stretched and tensioned condition, and thereafter releasing said layer of elastic material from extraneous tension.

2,136,093
ERASER
George F. Voight, Oakland, Calif.
Application September 16, 1935, Serial No. 40,795
6 Claims. (Cl. 120—36)

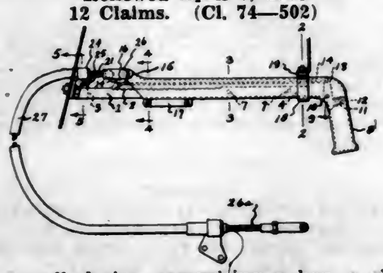


1. In an eraser holder, a pair of flat plates connected together at their rear ends and adapted to be clamped upon the sides of a flat rubber, each of said plates having a raised panel on its outer side of its front end portion, flanges on opposite side margins of said plates, said flanges having cut-outs in their free edges.

2,136,094
PREPARATION OF PIPERAZINE
Alexander L. Wilson, Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application July 7, 1936, Serial No. 89,481
7 Claims. (Cl. 260—268)

1. The method of preparing piperazine comprising heating a liquid mixture containing free diethylene triamine in the presence of one of its partial hydrochlorides, and distilling piperazine from the mixture.

2,136,095
PULL LEVER
William M. Baumheckel, Cincinnati, Ohio
Application April 23, 1935, Serial No. 17,818
Renewed April 7, 1938
12 Claims. (Cl. 74—502)



1. A pull device, comprising a bar, a sliding member supported solely by the bar, connections from the sliding member to a mechanism to be acted upon, at one end, and a grip on the other end for manipulation, rack teeth formed on the bar, and a pawl engaging the same and mounted in the sliding member, and means on the grip, and operable upon grasping the same, to release the pawl.

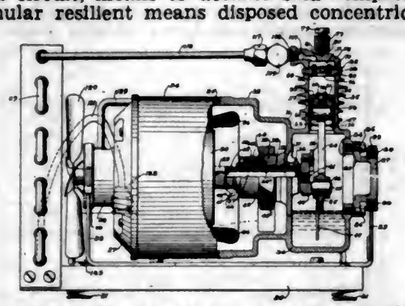
2,136,096
CELLULAR INSULATING REFRACTORY
Raymond C. Benner and Henry N. Baumann, Jr., Niagara Falls, N. Y., assignors, by mesne assignments, to Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application July 1, 1935, Serial No. 29,429
12 Claims. (Cl. 106—9)



1. The method of producing globular crystalline pellets having multi-cellular interiors which comprises melting a refractory double oxide and pouring said molten material adjacent a gaseous jet impinging thereupon, thus producing droplets of the material, and keeping the droplets freely suspended until they have solidified.

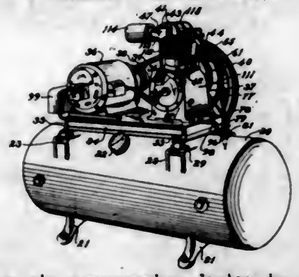
2,136,097
REFRIGERATING APPARATUS
Lindsay H. Browne, Pittsford, N. Y., assignor to Kellogg Compressor and Manufacturing Corporation, a corporation of New York
Application August 8, 1936, Serial No. 94,929
2 Claims. (Cl. 62—115)

2. In a mechanical refrigerating system, a high side and a low side forming a closed circuit, said high side including a compressor having a rotary shaft adapted to circulate a fluid through said circuit, means to actuate said compressor, annular resilient means disposed concentrically



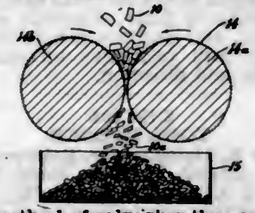
with said shaft and adapted to torsionally absorb vibrations of said compressor and actuating means, and a muffler in said circuit adapted to silence the circulation of said fluid.

2,136,098
AIR COMPRESSING APPARATUS
Lindsay H. Browne, Pittsford, N. Y., assignor to Kellogg Compressor and Manufacturing Corporation, a corporation of New York
Application July 28, 1937, Serial No. 156,075
7 Claims. (Cl. 230—58)



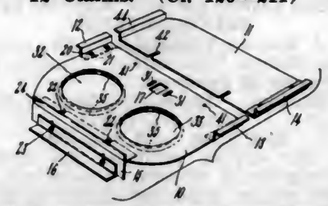
1. In an air compression device, in combination, a storage tank, a plurality of resilient pads secured to said tank, a compressor base mounted on said pads and secured thereto, a compressor on said base, a motor on said base and connected to said compressor to drive the same, a discharge line on said compressor, a discharge check valve within said tank, means including a resilient tubular coupling joining said discharge line to said check valve, and control means including means to release the pressure from said discharge line and resilient coupling.

2,136,099
SALVAGING CONSTITUENTS OF AUTOMOBILE TIRES AND THE LIKE
Albert B. Buxbaum, Akron, Ohio
Application September 10, 1937, Serial No. 163,205
14 Claims. (Cl. 209—2)



1. The method of salvaging the constituent elements of the bead portions of automobile tires and the like containing wire, rubber and fabric which includes severing the bead portions from such tires, cutting the severed bead portions into short lengths, repeatedly roller grinding the short lengths until a mixture of wire, rubber and fabric is obtained and the wire is freed of rubber and polished, and then separating the wire, rubber and fabric, one from another.

2,136,100
HEAT CONSERVER FOR RANGES
Milledge A. Crossman, Reading, Mass.
Application October 22, 1937, Serial No. 170,319
12 Claims. (Cl. 126—211)



5. A heat conserver for use in cooking ranges consisting of a plate of heat refractory material shaped and adapted to be installed over the fire pot and beneath the top of a range, said plate having an upturned lip and a downturned flange on its forward edge, the collective height of which is sufficient to span the usual space between the front wall and overlying top of a cooking range.

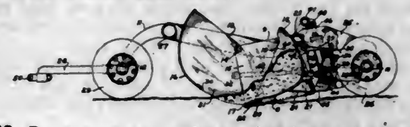
2,136,101
MAGNETRON
Karl Fritz, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application March 18, 1937, Serial No. 131,647
In Germany April 15, 1936
5 Claims. (Cl. 250—27.5)



3. An electron discharge device having an envelope containing a straight thermionic cathode and a plurality of pairs of oppositely disposed anode segments surrounding said cathode, means for producing a magnetic field parallel to and surrounding said cathode and separate conductors each forming a loop electrically connected between each pair of oppositely disposed anode segments, said conductors lying parallel to each other throughout the greater portion of their length and of approximately the same length, and providing with the anode segments an oscillating circuit.

2,136,102
SCRAPER
Julius P. Heil, Whitefish Bay, Wis., assignor to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin
Application January 22, 1936, Serial No. 60,245
23 Claims. (Cl. 37—126)

14. In a scraper, a bowl support having material engaging and confining side walls, a bowl movably suspended from said support and having side walls slidable along and cooperable with the inner surfaces of said support walls to confine material within said bowl, and an apron movably suspended from said support and having side walls slidable along and cooperable with the outer surfaces of said support walls to confine material within said bowl.



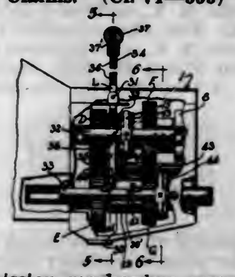
22. In a scraper, a frame having a transverse scraper blade rigidly attached thereto and also having side walls rigidly attached to the blade ends, a bowl pivotally suspended from said frame and having side walls slidably cooperable with said frame walls, a front draft wheel for supporting said frame, a rear trailer wheel for supporting said frame, mechanisms for swinging said bowl to precipitate material therefrom over said blade and for raising and lowering said blade with respect to said wheels, said mechanisms coacting respectively with the rear of said bowl and of said frame.

2,136,103
METHOD OF MAKING BRUSHES
Lawrence C. Herold, Lakewood, Ohio
Application June 13, 1936, Serial No. 85,084
2 Claims. (Cl. 300—21)



1. The method of forming a centrifugally balanced rotary brush having a substantially uninterrupted series of individual bristles extending radially thereof comprising weighing a plurality of bristle bundles of equal weight, looping the bristles about a central retaining ring, securing temporary holding means about each bundle to hold said bundles separate, securing permanent mounting means on opposite sides of said bristle bundles in a manner to permanently hold each bundle in a definite sector of said brush, and then releasing said temporary holding means to permit the individual bristles to spread out and form said substantially uninterrupted series.

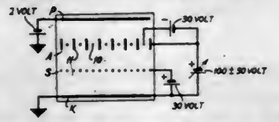
2,136,104
AUTOMOTIVE TRANSMISSION
Arnold H. Jessen, Los Angeles, Calif.
Application April 6, 1936, Serial No. 72,985
10 Claims. (Cl. 74—333)



1. A transmission mechanism comprising: coaxial driving and driven shafts, a driving gear on the driving shaft, a driven gear loose on the

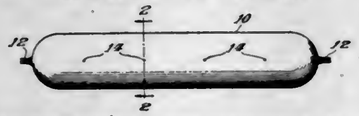
driven shaft, a countershaft, a pair of gears loose on the countershaft one of which is fixed to and slidable on the other, the fixed gear of said pair being continuously meshed with said driving gear, the slidable gear of said pair being shiftable relative to said driven gear, and longitudinally shiftable means intermediate said driving and driven gears for selectively locking said driving and driven gears to said driven shaft.

2,136,105
ELECTRON DISCHARGE DEVICE
Günther Jobst, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application September 3, 1936, Serial No. 99,231
In Germany September 18, 1935
1 Claim. (Cl. 250—27.5)



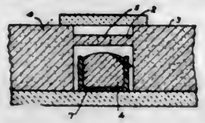
An electron discharge device having a cathode and an anode permeable to electrons, said anode comprising a pair of interposed electrodes of different size elements electrically insulated from each other and a second electrode adjacent the anode for receiving the electrons which pass through said anode, and a grid disposed between the cathode and the anode.

2,136,106
SAUSAGE AND METHOD OF PREPARING SAME
Lillian M. Kern, Portland, Maine, assignor, by mesne assignments, to Sidney H. Rabinowitz, Brookline, Mass.
Application April 9, 1936, Serial No. 73,475
16 Claims. (Cl. 99—109)



1. As an article of manufacture, a sausage of the wiener or frankfurter type with a cellulose casing having a rupturing perforation therein formed after the sausage has been smoked and cooked.

2,136,107
METHOD FOR PRODUCING CARBIDES
Henry P. Kirchner and Raymond C. Benner, Niagara Falls, N. Y., assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application March 23, 1935, Serial No. 12,566
6 Claims. (Cl. 23—208)

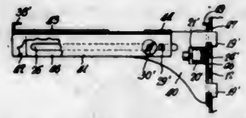


1. The method of making boron carbide which comprises forming a relatively large mix of boric oxide and carbon, heating the mix from the top downward by means of a heat source so located and arranged above the top surface of the mix and at such a distance therefrom that the temperature of the surface of the mix is approximately 2400° C. and that the heat is distributed over the top surface of the mix while the mix is in a pasty condition and gas is escaping through it, whereby the gas is liberated first from the top portion of the mix and the mix gradually recedes without substantial bloating, and continuing the heating process until a substantial proportion of the mix is converted to boron carbide.

2,136,108
PRINTING COMPOSITION AND METHOD OF MANUFACTURE
Walter J. Koenig, Philadelphia, Pa., assignor to Sloane-Blabon Corporation, Trenton, N. J., a corporation of Delaware
No Drawing. Application April 21, 1936, Serial No. 75,576
11 Claims. (Cl. 134—36)

10. A fast-drying printing ink composition which comprises a mixture of pigments, chlorinated oil chosen from the group consisting of drying and semi-drying oils, and a water paste including a reactive metallic substance, said reactive metallic substance being chosen from a group consisting of the oxides and hydroxides of zinc, iron, mercury, antimony, copper, tin, cobalt, nickel, chromium and magnesium, said chlorinated oil and reactive metallic substance adapted to react to dry the ink composition.

2,136,109
MERCHANDISE DISPLAY
Claude W. Kress, New York, N. Y.
Application May 9, 1936, Serial No. 78,774
9 Claims. (Cl. 248—125)

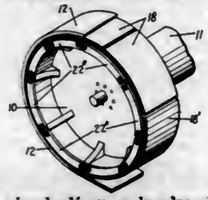


1. A shelf support for a display fixture comprising a mounting bracket, a shelf carrying unit including a longitudinal carrying bar and a shelf platform, and means for positioning said bar to be selectively and securely retained either in horizontal or in downwardly inclined relation with respect to said mounting bracket, said means comprising a hexagonal blank of metal having a pair of pins extending from one face thereof into corresponding perforations in the bracket, said carrying bar having an aperture at its end corresponding in shape to, and receiving said blank, whereby said bar may be selectively keyed with respect to the bracket for horizontal or desired inclined position, and a thumb screw for clamping the carrying bar in place against the bracket.

2,136,110
ART OF SIZING PAPER
Gerould T. Lane and Ralph W. Peters, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
No Drawing. Applicaion April 14, 1936, Serial No. 74,343
13 Claims. (Cl. 92—21)

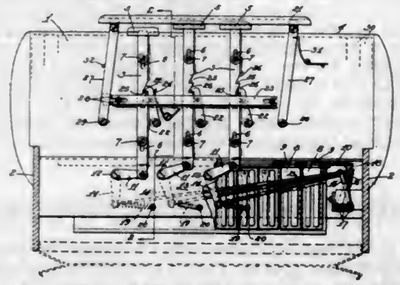
1. The process which comprises treating pulp before formation into a paper sheet with a vinyl aliphatic acetal resin soluble in water at below 5° C.

2,136,111
BRAKE
Milton P. Laurent, Houston, Tex., assignor to W. K. M. Company, Incorporated, Houston, Tex., a corporation of Texas
Application November 20, 1936, Serial No. 111,760
2 Claims. (Cl. 188—77)



1. A brake including, a brake drum, a movable external braking member, a brake lining interposed between the circumference of said drum and said braking member, said lining being in separate segments and free from positive connection with each other and the drum and the braking member, whereby both the inner and outer annular surfaces of said lining are presented for braking purposes, and opposed annular inwardly overhanging circumferential rings on said drum for retaining said lining marginally in its interposed position, the retaining ring at one side being in removable sections so that said segments of the brake lining may be replaced.

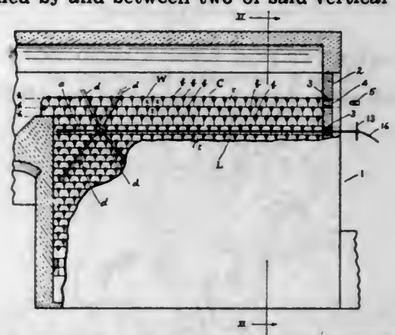
2,136,112
ACCORDION SHIFT MECHANISM
Carl Lindeberg, De Kalb, Ill., assignor to The Rudolph Wurlitzer Company, De Kalb, Ill., a corporation of Ohio
Application February 18, 1938, Serial No. 191,254
12 Claims. (Cl. 84—376)



1. Accordion shift mechanism including a plurality of movable actuators each having manually engageable means for moving it in one direction and spring means for moving it in the opposite direction, detent means for all the actuators movable as a unit between holding position and release position, each actuator having a recess formed to receive the detent means at one limit of the actuator movement, and a second recess to receive said detent at the other limit with a cam surface between said recesses formed to shift the detent to release position when the actuator moves from one limit to the other.

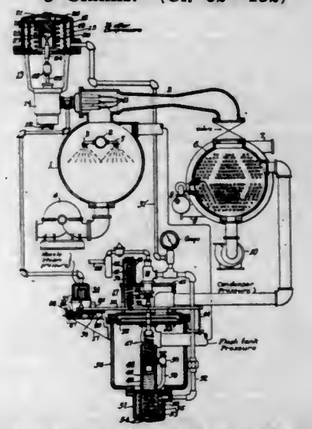
2,136,113
METHOD OF CLEANING CHECKERWORK
Fred H. Loftus, Mount Lebanon, Pa.
Application December 15, 1936, Serial No. 115,946
2 Claims. (Cl. 263—19)

1. In the operation of a regenerator that comprises a refractory walled chamber including a body of checkerwork formed of a plurality of parallel, spaced-apart, vertical walls of refractory tile interconnected by transversely extending refractory blocks, with such blocks arranged in vertically spaced-apart horizontal courses and with the blocks in one course staggered with respect to the blocks in adjacent courses; the herein described method which consists in introducing a lance horizontally through the refractory end wall of said chamber into a horizontal channel formed by and between two of said vertical walls



of tile and two adjacent horizontal courses of transverse blocks, advancing and turning the lance while causing jets of fluid to flow violently from the leading end of the lance in direction extending angularly to both the vertical and the horizontal, and thereby blasting away accumulations from the surfaces of the tile and block in said channel and from the surfaces of the tile and blocks that form horizontal channels above and below said channel.

2,136,114
CONTROL SYSTEM FOR STEAM REFRIGERATING SYSTEMS
Alfred A. Markson, Kew Gardens, N. Y., assignor to John M. Hopwood, Dormont, Pa.
Application February 11, 1935, Serial No. 6,053
5 Claims. (Cl. 62—152)



1. In a steam refrigerating system having a vacuum chamber in which fluid is cooled, a condenser, and a steam jet compressor connected between said chamber and condenser, a source of supply of steam connected to flow through said compressor to establish a partial vacuum in the chamber, means for varying the pressure of steam delivered to said compressor, and a source of supply of cooling fluid for the condenser for condensing the steam delivered thereto, the combination of a device having means responsive to the

pressure of the steam as delivered to said compressor and means responsive to the pressure in the vacuum chamber and condenser, for so controlling the steam pressure varying means that the pressure of the steam as delivered to said compressor is varied in accordance with variations in the pressures existing in the vacuum chamber and the condenser.

2,136,115

GARMENT FOR LONG-EARED DOGS

Ruth F. McCaleb, Evanston, Ill.
Application April 4, 1938, Serial No. 199,745
6 Claims. (Cl. 54—80)

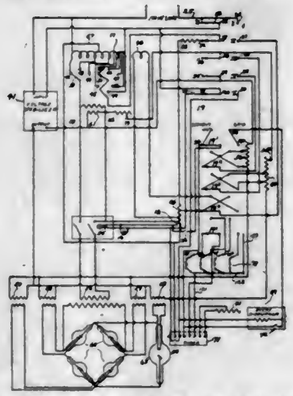


1. A garment for a long-eared dog comprising a pair of upwardly opening flexible pockets, in which the dog's ears may hang and swing naturally, a flexible web connecting the upper portions of the outer sides of the pockets and adapted to be extended over the dog's head, and flexible fastening means, connected with the upper portions of the inner sides of the pockets, adapted to be crossed in the vicinity of the throat and to be tied together at the back of the neck.

2,136,116

INTEGRATING X-RAY APPARATUS

William W. Mowry, New York, N. Y., assignor to The Kelley-Koett Manufacturing Company, Inc., Covington, Ky., a corporation of Ohio
Application January 4, 1934, Serial No. 705,267
17 Claims. (Cl. 250—34)

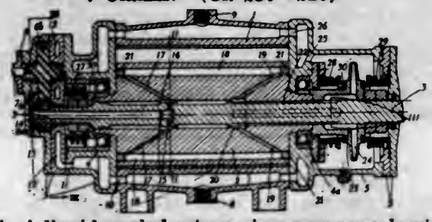


1. In an X-ray apparatus of the valve tube rectified bridge type of circuit, the combination comprising an X-ray tube, an auto-transformer, a high tension step-up transformer, said auto-transformer being adapted to furnish current to said high tension transformer and the latter to furnish high tension current to said X-ray tube, said circuit including a magnet switch in the primary circuit of said high tenson transformer, an electronically controlled timer of the condenser discharge type, an exposure switch in circuit with said timer, a Potter-Bucky diaphragm, a magnetic release in said diaphragm, an X-ray switch in said diaphragm, and a plurality of condenser discharge resistors of different values all in circuit with said timer, said timer being connected so as to close said magnet switch when said exposure switch is closed, said Potter-Bucky diaphragm being also arranged in circuit with said exposure switch and said magnetic release whereby the operation of said exposure switch is able to actuate said release and, whereby the travel of the said diaphragm is able to close said diaphragm X-ray switch to start said timer and discharge the condensers of which through one of said resistances.

2,136,117

ROTARY COMPRESSOR, EXHAUSTER, PUMP, AND THE LIKE

Thomas Winter Nichols, London, England, assignor of one-half to Tilghman's Patent Sand Blast Company, Limited, Broadheath, near Manchester, England
Application December 7, 1936, Serial No. 114,629
In Great Britain December 9, 1935
7 Claims. (Cl. 230—210)

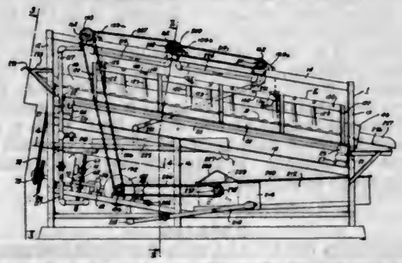


1. A liquid-cooled rotary air compressor having a stator, a jacket surrounding said stator, an eccentric rotor having segments separated by grooves and blades slidable in the grooves, hollow end covers closing said stator, a circulating pump within each end cover, at least one of said pumps being a force pump, passages for cooling liquid circulated by the pumps, the said passages conducting the liquid from one of the pumps through the rotor to the second of the pumps and thence to said jacket, and having portions extending through at least certain of said segments.

2,136,118

APPARATUS FOR TREATING FOOD PRODUCTS

Paul C. Palmer, Orlando, Fla., assignor to Duzzel Corporation, Dover, Del., a corporation of Delaware
Application January 24, 1936, Serial No. 60,591
17 Claims. (Cl. 91—38)

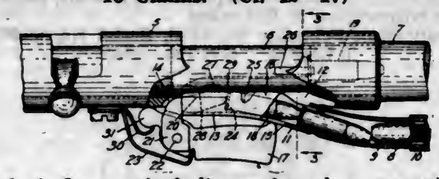


1. Apparatus for treating fruit comprising a support, an inclined rockable member for supporting fruit, means mounting said member on said support, and means for rocking said member laterally on said support, whereby said fruit is moved forwardly and from side to side on said member.

2,136,119

FIREARM

Eugene G. Reising, Hartford, Conn.
Application September 18, 1936, Serial No. 101,368
15 Claims. (Cl. 42—17)

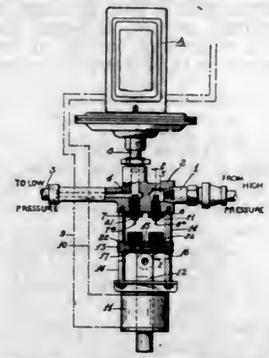


1. A firearm including a barrel, a magazine tube extending lengthwise along one side of the barrel and opening at the vertically movable rear end thereof, means for moving cartridges rearwardly in said tube, a lifter thinner than the diameter of said tube movably mounted to engage cartridges through a slot in the tube and raise them in and together with said tube in position for insertion into the barrel, and means for forcing cartridges into said barrel.

2,136,120

PRESSURE-REDUCING VALVE DEVICE

Emil Tyden, Hastings, Mich.
Application January 24, 1938, Serial No. 186,507
17 Claims. (Cl. 50—10)



1. In combination, a low pressure service line, a fluid supply line maintained at a higher pressure, means including a movable conduit element for connecting said lines but normally disconnected from at least one of them, valve means normally closing said lines respectively, and means by which the movement of said conduit element into connecting position automatically opens said valve means to provide communication between the lines through said conduit element.

2,136,121

LUBRICATING THREADING TOOL

Victor B. Westfall, Fall Brook, Calif.
Application June 1, 1937, Serial No. 145,791
5 Claims. (Cl. 10—126)

1. In a tool of the class described, a lubricant reservoir; a feed chamber having an inlet communicating with the reservoir, and a check valve controlled outlet through which lubricant can be discharged; a manually operable actuator having spaced stops; a plunger mounted on said actuator and having a lost motion operative connection therewith between said stops; and valve means co-acting with one of said stops and the plunger to open said inlet in one relative position of the actuator and plunger, and to close said inlet for the ejection of lubricant from the chamber by the plunger in another relative position of the

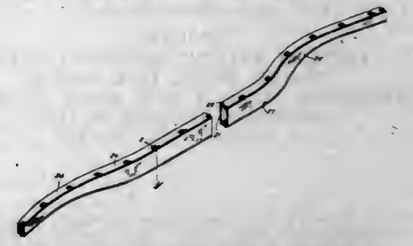


actuator and plunger; and means for urging the actuator in one direction.

2,136,122

CHASSIS SIDE RAIL

Einar Almdale, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Application March 21, 1935, Serial No. 12,352
6 Claims. (Cl. 280—106)



1. A box section vehicle side rail member comprising a channel section having longitudinal bends therein providing kickup portions, and a correspondingly shaped channel shaped web section closing in the channel and forming the member into closed box cross section, said sections having overlapping flanges welded together at their edges, and one of said sections having openings and the other having integral projections along its edges extending into said openings.

2,136,123

CLOSURE FOR RECEPTACLES

Charles S. Baron, Tiffin, Ohio
Application March 29, 1937, Serial No. 133,675
10 Claims. (Cl. 65—31)

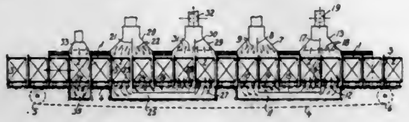
8. In combination with a receptacle having an externally threaded neck, a closure for the receptacle including a screw cap arranged to be detachably connected to the neck and provided with an opening in its top, a separate spout having a discharge opening in its top registering with the cap opening, means rotatably connecting the spout to the cap, a lid having an outwardly extending thumb piece provided with spaced depending ears, said spout having ears arranged to overlap the ears of the thumb piece, said ears having registering openings, a pin extending through said openings to provide a

hinged connection for the lid, a coil spring encircling said pin and confined between said ears, one end of said spring bearing against the underside of the thumb piece and the other engaging the spout so as to provide yieldable means for normally maintaining the lid in its closed position, and a liner for closing the opening in the cap, said liner arranged to engage the mouth of



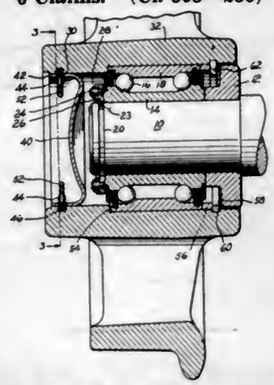
the receptacle to provide a seal when the closure is applied thereto, said liner being removable to permit the withdrawal of the contents of the receptacle therefrom, said closure when the liner is removed arranged to be reapplied to the receptacle, said spout and lid being rotatable relative to the cap so as to align the thumb piece with a predetermined portion of the receptacle when the closure is reapplied.

2,136,124
DRYING AND/OR SMOKING OVEN
Thorleif Berger, Oslo, Norway
Application August 4, 1936, Serial No. 94,264
In Norway November 25, 1933
2 Claims. (Cl. 34—19)



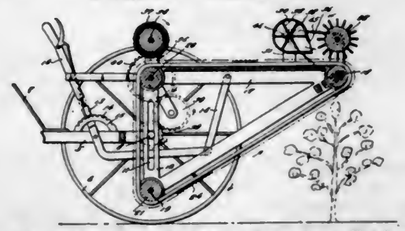
1. In apparatus of the class described, an elongated chamber, article carriers provided with a member extending transversely of said chamber and substantially corresponding in area to the cross section thereof, means for passing said carriers continuously through said chamber, alternate inlet and outlet ports in a wall of said chamber, alternate inlet and outlet ports in another wall of said chamber and disposed in approximately the same transverse planes as the ports in said first wall, the inlet and outlet ports being arranged in such a way that an inlet port and the next following outlet port in the same wall of the chamber are so spaced apart along the chamber that between these ports there exists a part of the chamber without inlet or outlet ports and of a length at least equal to the distance between two consecutive transversely extending members of the said kind provided on the article carriers when said carriers are in abutting relation, an outlet port and the next following inlet port in the same wall of the chamber being connected by a passage lying outside of said chamber, and said ports being arranged so that each inlet port in one wall is opposite an outlet port in the other wall, and vice versa.

2,136,125
LOCKING DEVICE FOR BEARINGS AND THE LIKE
Thomas C. Delaval-Crow, Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 26, 1936, Serial No. 65,855
6 Claims. (Cl. 308—236)



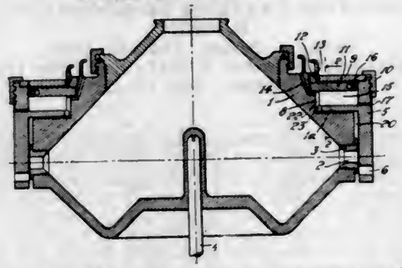
1. In a device of the character indicated, a shaft having a groove and a member to be locked on the shaft at one side of the groove, and a locking device comprising a pair of arms each arm having an arcuate portion entering the groove with tangential extensions outside of the groove, and links connecting the extensions; substantially as described.

2,136,126
COTTON PICKER
John B. Dove, Union, Miss.
Application October 8, 1937, Serial No. 168,098
2 Claims. (Cl. 56—49)



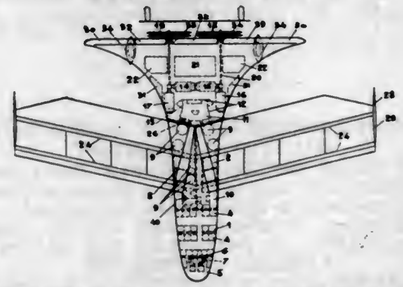
1. A cotton picker of the class described comprising a horizontally arranged U-shaped frame having its limbs extending forwardly, a handle connected to the rear of the frame, stub axles carried by the forward ends of said limbs, a wheel rotatably arranged on each axle, a pair of substantially triangular-shaped frames, each including a vertical rear member, a forwardly extending horizontal member connected with the upper end of the rear member and an upwardly and forwardly sloping third member having one end connected with the lower end of the vertical member and its other end with the forward end of the horizontal member, means for supporting the triangular frames from the limbs of the first-mentioned frame, a transverse shaft having its ends journaled in each pair of corners of the triangular frames, a plurality of pulleys on each shaft, a belt passing over each set of three pulleys on the three shafts, projections carried by the belt and means for rotating one of the shafts, brackets extending upwardly from the front ends of the horizontal members of the triangular frames, a drum rotatably supported by said brackets, projections carried by the drum and arranged over the spaces between the pulleys on the shafts at the front end of the triangular frames, a second pair of brackets carried by the horizontal members of the triangular frames and arranged in rear of the drum carrying brackets, a blower carried by the second pair of brackets and discharging toward the drum, a third pair of brackets extending upwardly from the rear end of the horizontal members of the triangular frames, and a rotary brush carried by the third pair of brackets and means for rotating the drum and brush and operating the blower.

2,136,127
CENTRIFUGAL SEPARATOR
Harold William Fawcett, Harrogate, England
Application October 8, 1937, Serial No. 168,057
In Great Britain October 13, 1936
2 Claims. (Cl. 233—22)



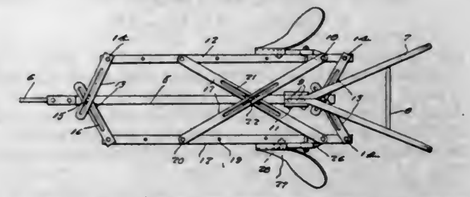
1. A centrifugal separator comprising a bowl having peripheral discharge apertures, an annular member closely surrounding said bowl and reciprocable axially thereof, said annular member having apertures registering with said peripheral discharge apertures and serving to open and close said latter on reciprocation of said annular member, and interengaging screw threads of coarse pitch on the outside of said bowl and on the inside of said annular member.

2,136,128
AIRPLANE HAVING A VARIABLE LIFTING SURFACE
Jacques Gerin, Boulogne-sur-Seine, France
Application November 13, 1935, Serial No. 49,613
In France November 17, 1934
1 Claim. (Cl. 244—13)



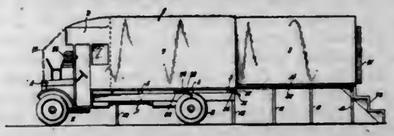
In a heavy transport airplane, a fuselage having an increased width in the horizontal section from the front portion to the rear thereof, variable lifting means positioned intermediate of the ends of the fuselage comprising fixed supports extending laterally from each side of the fuselage and movable flexible material carried by said supports to provide the wing structure, winding drums for moving the flexible material mounted within the fuselage adjacent the lateral extending supports, means for rotating the drums whereby the area of the lifting surfaces may be varied, the rear portion of the fuselage decreasing in vertical section towards the rear end to provide a wide compartment with relatively small height, a plurality of propelling motors arranged laterally of each other within said compartment, and the forward portion of the fuselage in front of the lifting means providing a load-carrying compartment.

2,136,129
AGRICULTURAL IMPLEMENT
Luther L. Godwin, Meridian, Miss.
Application January 20, 1938, Serial No. 186,002
1 Claim. (Cl. 97—172)



An agricultural implement comprising a main beam, handles secured on the beam, tool beams arranged at opposite sides of the main beam, ground tools mounted on the tool beams, pairs of links pivoted on the ends of the tool beams and the links of each pair of links overlapping each other over the main beam and having matching slots, fasteners extending through the slots and main beam whereby said links may be slid and pivoted on the main beam, said tool beams having spaced openings arranged in opposite pairs, cross members having matched slots disposed over the main beam, a pin extending through the slots of said members and into the main beam for pivotally and slidably connecting said members on the main beam, pivots connecting certain ends of the members to the tool beams, and pins connected to the other ends of the members for insertion into selected pairs of openings for the adjustment of the tool beams towards and from the main beam, said tool beams being braced to each other by said cross members to relieve strain on the main beam from either of the tool beams and said tool beams being held in parallelism with each other by said cross members in all of their adjusted positions with respect to the main beam.

2,136,130
VEHICLE BODY
Louis Gorlenko, Arlington, Va.
Application January 28, 1938, Serial No. 187,539
5 Claims. (Cl. 20—2)



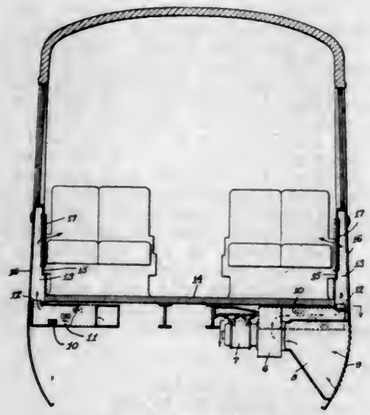
2. A road vehicle adapted to serve as a portable theatre comprising a wheeled chassis and a collapsible housing mounted upon said chassis, said housing including a stationary section and at least three movable sections designed to be telescoped within the stationary section, said sections each having a top, bottom and side wall and together adapted when expanded to form components of a closed housing, means upon the

movable sections slidable within guides upon companion sections for independently supporting said movable sections for movement longitudinally and laterally of said chassis with their bottoms in relative spaced relation to provide compartments therebetween and seats fastened to the sections said seats being so constructed and arranged as to be folded against the bottoms of the sections and to occupy the compartments when the sections are telescoped within each other.

2,136,131
DISTEMPER VACCINE AND METHOD OF PREPARING THE SAME
Robert G. Green, Minneapolis, Minn.
No Drawing. Application March 9, 1937, Serial No. 129,955
6 Claims. (Cl. 167—78)

1. Method of modifying distemper virus for the production of a vaccine capable when injected into foxes of immunizing the same against typical distemper which comprises passing the virus of typical canine distemper serially through ferrets for a sufficient number of passages to materially reduce the normal distemper death rate of foxes injected therewith.

2,136,132
HEAT EXCHANGE SYSTEM
Milton E. Hanson, Collingswood, N. J., assignor to B. F. Sturtevant Company, Boston, Mass.
Application June 20, 1936, Serial No. 86,403
1 Claim. (Cl. 98—14)

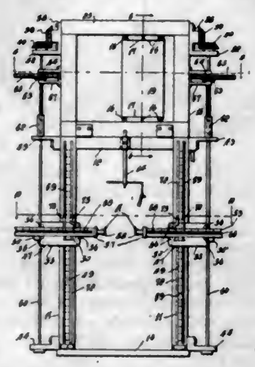


Heat exchange apparatus comprising in combination, a railway passenger car having a floor and side walls extending below the floor, a centrifugal fan having an axial inlet and having an involute casing with a tangential outlet mounted underneath said floor of said car, means in and conforming to the contour of one of said walls forming a fresh air inlet into said car, means forming a converging air passage from said fresh air inlet to said inlet of said fan, means forming an air tempering passage connecting with said outlet and extending substantially at right angles to the direction of air flow through said outlet, air tempering means in said tempering passage, and means forming a substantially vertical air exhaust passage extending from said tempering passage through said floor into said car at a point substantially above said fresh air inlet.

2,136,133
PYRAZOLE-ANTHRONES AND PROCESS OF MAKING SAME
Hermann Hauser, Binningen, and Max Bommer, Riehen, Switzerland, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application January 21, 1937, Serial No. 121,710. In Switzerland February 7, 1936
7 Claims. (Cl. 260—312)

1. Process for the manufacture of pyrazole-anthrones, consisting in causing anthraquinones which contain in α-position substituents capable of being exchanged, to react with hydrazines of the general formula $H_2N—NH—CH_2X$ wherein X is a member of the group consisting of hydrogen, alkyl, aralkyl and aryl.

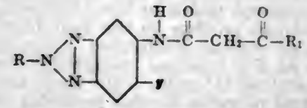
2,136,134
GRAPHIC PATTERN OR RECORDING MACHINE
Frank J. Holley, Ventura, Calif.
Application December 9, 1937, Serial No. 179,019
7 Claims. (Cl. 33—23)



3. Apparatus of the class described having a base on which an object is adapted to stand, follower means movable on said base in contact with the contour of an object, a slide operable by said means, a rotatable shaft rising from the base geared to the slide for rotation through operation of the slide, and recording means operable through rotation of said shaft, comprising an upright bar, a gear and rack connection disposed transversely between the shaft and bar, and a stylus carried by the bar.

2,136,135
PSEUDO-AZIMIDO-BENZENE-AMINO-ACYL-OACETIC ACID ESTERS
Hans Johner and Gérald Bonhôte, Basel, Switzerland, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application July 12, 1937, Serial No. 153,279. In Switzerland July 14, 1936
8 Claims. (Cl. 260—308)

1. As new products the arylides of the general formula

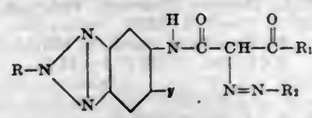


in which R stands for a member of the group consisting of nuclei of the benzene and naphthalene

series, R_1 stands for a member of the group consisting of methyl and phenyl, and y stands for a member of the group consisting of H, CH_3 and O-alkyl, which products are light colored powders, dissolving in aqueous caustic alkalies, from which solutions they possess affinity for the vegetable fiber, and react with diazo compounds with formation of azo-dyestuffs.

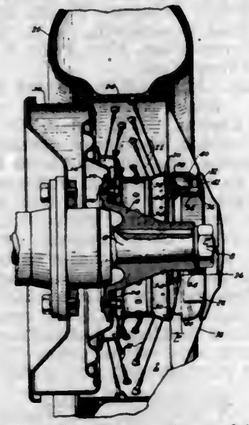
2,136,136
DYESTUFFS
Hans Johner and Gérald Bonhôte, Basel, Switzerland, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Original application July 12, 1937, Serial No. 153,279. Divided and this application January 10, 1938, Serial No. 184,277. In Switzerland July 14, 1936
8 Claims. (Cl. 260—308)

1. As new products the dyestuffs of the general formula



in which R stands for a member of the group consisting of nuclei of the benzene and naphthalene series, R_1 stands for a member of the group consisting of methyl and phenyl, y stands for a member of the group consisting of H, CH_3 and O-alkyl, and R_2 stands for an aromatic radical of the group consisting of nuclei of the benzene and naphthalene series, which products are yellow to orange powders dyeing the fiber yellow to orange tints.

2,136,137
VEHICLE WHEEL
Ralph S. Kellogg, Royal Oak, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application March 11, 1935, Serial No. 10,356
8 Claims. (Cl. 301—37)

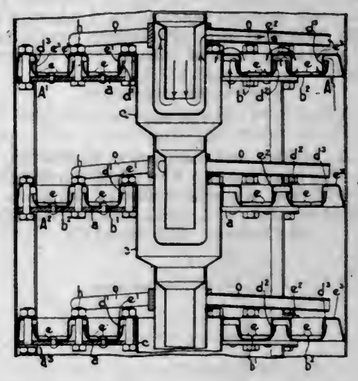


1. A construction for motor vehicles comprising a wheel having a flanged hub flange, a rim and a series of spokes extending between the hub and the rim, a cover for the spokes having a flange located by the side of the flange on said hub and a clamping device arranged to embrace said flanges and movable edgewise of the same into and out of clamping position for securing the cover to the wheel.

2,136,138
DISAZO DYESTUFFS AND PROCESS FOR THEIR PREPARATION
Adolf Krebser, Riehen, near Basel, Switzerland, assignor to the firm J. R. Geigy A. G., Basel, Switzerland
No Drawing. Application April 20, 1937, Serial No. 138,065. In Germany May 8, 1936
13 Claims. (Cl. 260—178)

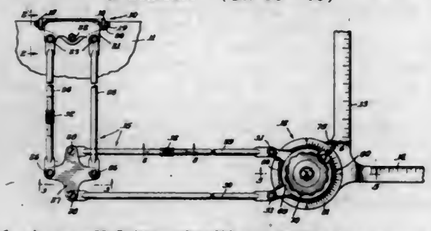
5. Azodyestuffs from a tetrazotized diaminodiphenylsulphone and an amine capable of being coupled, selected from the group of mono- and diamines of the benzene and naphthalene ries, containing no group imparting solubility in water to the resulting dyestuff, said dyestuffs being distinguished by their brightness of the shade and by an excellent fastness towards sublimation especially in copper plate printing.

2,136,139
BUBBLE PLATE FOR CONTACTING GASES AND LIQUIDS
Hans Kühni, Basel, Switzerland, assignor to L'Air Liquide Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude, Paris, France
Application January 22, 1936, Serial No. 60,312
In Switzerland January 24, 1935
6 Claims. (Cl. 261—114)



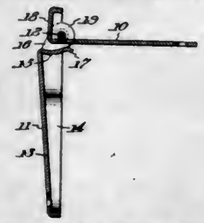
1. A bubble plate for contacting gases and liquids in rectifying, washing and like columns, which comprises chimneys having side walls inclined downwardly to the horizontal bottom of the plate and curved surfaces into which run said side walls, said curved surfaces merging tangentially into the horizontal bottom of the plate, covering caps the side walls of which form with the side walls of the chimneys downwardly narrowing passages, vertical openings formed between the lower edges of the side walls of said caps and the curved surfaces of the chimneys; the horizontal distance between a chimney and the corresponding cap in the horizontal plane of the exit opening of said downwardly narrowing passage and comprising the lower edge of the side walls of said caps, being sufficiently small for the gas issuing from said exit opening to form a thin inclined stream which is guided by the curved surface of the chimney after its issue from the vertical opening formed between the lower edge of the side walls of the caps and said curved surface and undersweeps the liquid along the horizontal bottom of the plate.

2,136,140
DRAFTING APPARATUS
Adolph Langsner, Chicago, Ill., assignor to Eugene Dietzgen Co., Chicago, Ill., a corporation of Delaware
Application July 25, 1938, Serial No. 221,071
8 Claims. (Cl. 33—79)



1. A parallel line drafting apparatus comprising a holder adapted to be mounted upon a drafting board, a drafting head, an operating mechanism connecting the holder and head, said operating mechanism comprising a series of arms arranged in pairs, the arms of each pair being parallel for parallelogram operation, pivot connections for mounting said arms, one of said pivot connections comprising a spherical bearing member mounted in the end of one of said arms, a cooperating bearing member having a conical opening adapted to be slidably engaged by the spherical surface of said spherical bearing member, and an adjustable clamping member adapted to directly engage both of said bearing members and adapted on adjustment to bring the bearing surfaces thereof into proper bearing engagement.

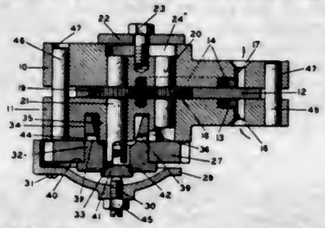
2,136,141
HINGE
Grady A. Loftin and Laurence K. Loftin, Altavista, Va., assignors to The Lane Company, Inc., Altavista, Va., a corporation of Virginia
Application June 22, 1936, Serial No. 86,652
10 Claims. (Cl. 16—142)



2. A hinge comprising a pair of wings each having a portion positioned to mutually abut in a predetermined open position of the hinge to form a stop and one of said abutting portions having an extension adapted to frictionally engage the other abutting portion as it approaches the predetermined open position.

2,136,142
RAYON-SPINNING PUMP
Ivar Meurling, Swarthmore, Pa., assignor, by mesne assignments, to American Viscose Corporation, a corporation of Delaware
Application June 25, 1935, Serial No. 28,315
5 Claims. (Cl. 103—126)

1. In a gear pump for a rayon spinning machine, pump gears, shafts carrying said gears and a casing surrounding and forming bearings for said shafts, in combination with a gear outside the casing adapted to engage and drive the end of one of the shafts, and a non-revoluble guard for the driving gear mounted on the cas-



ing outside the gear covering the latter and pressing it against the casing.

2,136,143
SOUND FILM
Walter Michaelis, Brussels, Belgium, assignor to Bela Gaspar, Brussels, Belgium
Application April 2, 1936, Serial No. 72,395
In Germany April 2, 1935
6 Claims. (Cl. 274—41.6)



1. A multi-color sound film comprising a support, a plurality of photographic layers on said support, one of said layers having therein a colored positive photographic sound record, another of said layers having therein a differently colored and independent positive photographic sound record in partial superposition with respect to said first sound record, and one of said layers having therein a colored negative image of one of said sound records arranged in juxtaposition to its corresponding positive, the color of said negative image being absorbent for light chiefly transmitted by the corresponding positive but highly absorbed by the other positive.

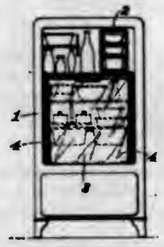
2,136,144
CATALYTIC OXIDATION OF NAPHTHENES
Nicholas A. Milas, Belmont, Mass., and William L. Walsh, East Greenbush, N. Y., assignors to Research Corporation, New York, N. Y., a corporation of New York
No Drawing. Application August 28, 1937, Serial No. 161,528
7 Claims. (Cl. 260—451)

1. Process which comprises forming a non-gaseous dispersion of a liquid to solid naphthenic hydrocarbon in finely divided non-gaseous form in an atmosphere containing free oxygen, at normal room temperature; conveying said non-gaseous dispersion to a catalyst containing a compound of an element of the fifth and sixth groups of the periodic system and being maintained at a temperature between 180° and 500° C., whereby there is produced a reaction mixture containing a substantial amount of a maleic acid compound; and withdrawing the reaction mixture from contact with the catalyst.

2,136,145
REFRIGERATOR
James H. Miner, Meridian, Miss.
Application July 14, 1936, Serial No. 90,574
9 Claims. (Cl. 62—89)

1. In combination with a refrigerator, a flexible shield and resilient means at the side edges of the shield to hold it spread out across the door opening, said resilient means and the shield be-

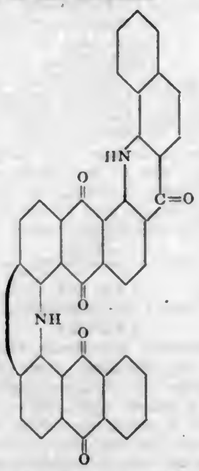
ing arranged to yield to a force exerted downwardly upon the appliance to lower the shield and allow access to the refrigerator chamber, said resilient means being arranged to restore said



shield to substantially normal position when relieved of said force, said shield at its lower end remaining in such position as will prevent undue loss of cold air, substantially as described.

2,136,146
ANTHRAQUINONE-NAPHTHACRIDONE DYESTUFF
Wilhelm Moser, Riehen, and Walter Fioroni, Binningen, Switzerland, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Original application January 9, 1937, Serial No. 119,888. Divided and this application January 3, 1938, Serial No. 183,228.
In Switzerland January 10, 1936
1 Claim. (Cl. 260—276)

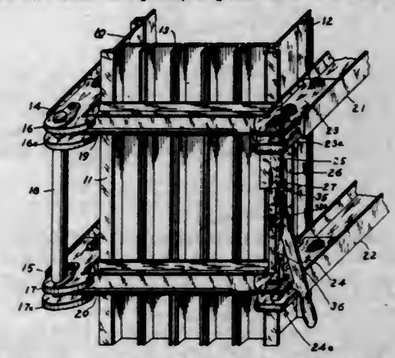
The dyestuff of the formula



which product is a dark powder, dissolving in sulfuric acid to a red-brown solution and in water with addition of hydrosulfite and caustic soda solution to a violet-brown solution, and dyeing cotton from the vat fast level brown tints.

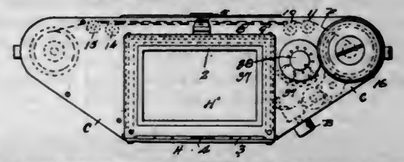
2,136,147
LOCKING DEVICE
Alfred R. Muirhead, Columbus, Ga., assignor to The Lummus Cotton Gin Company, Columbus, Ga., a corporation of Georgia
Application August 15, 1935, Serial No. 36,387
4 Claims. (Cl. 100—19)

1. In a cotton press having separable side and end doors, a bar pivoted to one of said side doors and parallel with the normally vertical edges of said door, said bar having parallel, spaced apart screw-threaded apertures having their axes perpendicular to the pivot axis of said bar, a pair of parallel links in screw-threaded connection at one of their ends with said apertures and having slots formed in their other ends, a pair of keepers fixed to the other side door and provided with slots adapted to register with the slots in said links, a support fixed to and bridging the space between said keepers, a pair of bolts slidable on



said support, and means for reciprocating said bolts simultaneously in opposite directions into or out of said slots, said bolts having their outer ends inclined to facilitate initial entrance into the said slots and to force said links into a position with their slots in complete registration with the slots in said keepers with the intervening end door clamped between said side doors.

2,136,148
REFLEX CAMERA
Karl Nüchterlein, Dresden, Germany, assignor to Ihagee Kamerawerk Steenbergen & Co., Dresden, Germany
Application January 18, 1937, Serial No. 121,191
25 Claims. (Cl. 95—42)

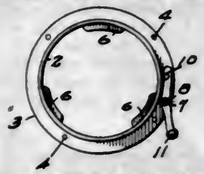


1. A reflex camera including a casing, a shutter and operating means therefor, a longitudinally movable cylinder threadedly mounted in said casing and a lens supported in the cylinder and having a non-focusing position, a mirror pivotally mounted in the casing and spring means urging said mirror to picture-taking position, and means co-acting with said cylinder and said operating means for retaining said first mentioned means inoperative until said lens is moved to focusing position.

2,136,149
LENS MOUNT
Karl Nüchterlein, Dresden, Germany, assignor to Ihagee Kamerawerk Steenbergen & Co., Dresden, Germany
Application June 4, 1937, Serial No. 146,484
3 Claims. (Cl. 88—57)

1. The combination with a camera having a fixed attaching ring, circumferentially spaced interior arcuate flanges on the ring, a spring-pressed locking latch pivotally mounted on the ring and having a notch adjacent one end thereof, the other end of said latch comprising an operating lever and being spaced from said ring, of a lens mount including a barrel having com-

plementary arcuate interior flanges for frictional engagement with the first mentioned



flanges, a pin on said barrel adapted to be engaged by said notch upon rotation of said barrel to locking position, and means limiting the movement of said barrel whereby the rotation of said barrel is stopped when said pin is alined with said notch.

2,136,150

NONCURLING COATED ABRASIVE PRODUCT AND METHOD OF MAKING THE SAME

Nicholas Ewing Oglesby, Troy, N. Y., assignor to Behr-Manning Corporation, Troy, N. Y., a corporation of Massachusetts

No Drawing. Application November 17, 1934, Serial No. 753,546. Renewed October 12, 1937

14 Claims. (Cl. 51—280)

1. A coated abrasive comprising a paper backing and an adhesive abrasive coating thereon, said paper backing having its fibres so selectively oriented that the selected resultant ratio of its length strength to its cross strength is such as to make the expansion and contraction differential between the paper and the ahesive abrasive coating in the presence of humidity changes so predeterminedly small that the coated abrasive is rendered substantially completely non-curling when exposed to variable humidities.

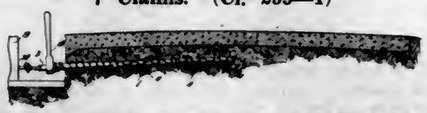
2,136,151

DRAINAGE PIPE AND METHOD OF AND MEANS FOR INSTALLING THE SAME

Alan Jay Parrish, Paris, Ill., assignor of one-half to Margaret Parrish and one-half to Jane Parrish, both of Paris, Ill.

Application March 26, 1936, Serial No. 71,015

7 Claims. (Cl. 255—1)



1. The method of rotatively installing in the ground sheet metal drain pipes having substantially uniform diameter and an exterior helical thread to provide horizontal drains which comprises, supporting the inner surface of the pipe against distortion and advancing the pipe into the desired position frictionally tight in the ground in a progressive rotative movement by applying within and at one end of the pipe a progressive rotative driving force, the rotative advancement and positioning of the pipe providing a threaded engagement of the pipe with the ground.

2,136,152

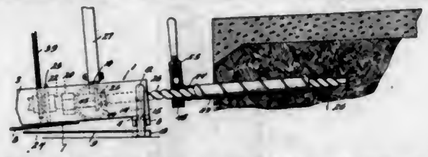
METHOD AND MEANS FOR INSTALLING DRAINAGE CONDUITS

Alan Jay Parrish, Paris, Ill., assignor of one-half to Margaret Parrish and one-half to Jane Parrish, both of Paris, Ill.

Application January 16, 1937, Serial No. 120,980

16 Claims. (Cl. 255—20)

1. The method of installing beneath the ground thin sheet metal drain conduits having a steep pitch helical thread which comprises, boring a hole of less diameter than the conduit in advance of the end of the conduit, supporting the inner surface of the conduit against distortion and applying a rotative driving force along the inner



surface of the conduit throughout its length by a hollow mandrel, whereby the pipe is rotated into desired position frictionally tight in the surrounding soil.

2,136,153

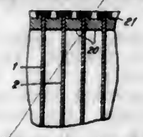
HEAT EXCHANGER AND METHOD OF MAKING SAME

Curt Fredrik Rosenblad, Sodertalje, Sweden, assignor to Aktiebolaget Rosenblads Patenter, Stockholm, Sweden, a corporation of Sweden

Application April 11, 1935, Serial No. 15,884

In Sweden April 14, 1934

3 Claims. (Cl. 29—157.3)



1. The method of forming heat exchange apparatus having spiral channels comprising, winding up a pair of plates and an end closure strip together with the edges of the plates maintained spaced apart by the end closure strip, said strip having outwardly extending marginal flanges of substantially equal thickness as the said plates, said strip being of substantially uniform thickness between said flanges, the strip being wound with the outer edges of said flanges substantially even with the edges of the plates, and welding the outer edges of the flanges of the closure strip to the edges of the plates by fusion welding.

2,136,154

PROCESS OF CONSERVING ROASTED COFFEE

Max Specht, Hamburg, Germany

No Drawing. Application June 9, 1937, Serial No. 147,386. In France June 9, 1936

6 Claims. (Cl. 99—68)

1. A process of roasting coffee to improve the keeping qualities thereof which comprises roasting the coffee beans to a chlorogenic acid content, which is approximately equal to the average chlorogenic acid contents between the values of the chlorogenic acid content ascertained in green and fully roasted coffee of the same type and then subjecting said coffee beans to a ripening process.

2,136,155

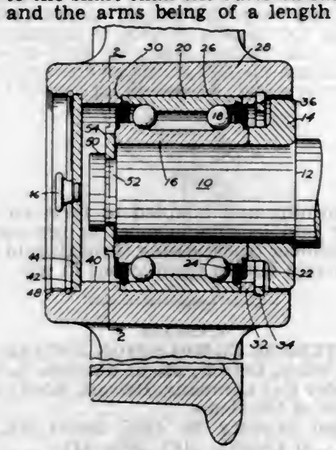
LOCKING DEVICE FOR BEARINGS AND THE LIKE

Attilio R. Spicacci, Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application February 26, 1936, Serial No. 65,863

6 Claims. (Cl. 308—236)

1. In a device of the character indicated, a housing, a shaft in the housing and having a groove, a ring between the housing and the shaft at one side of the groove, a locking member comprising a pair of arms to enter the groove and a connection between the arms, the connection having its outer surface lying substantially closer to the shaft than the outer surfaces of the arms, and the arms being of a length to reach



close to the shaft when the outer surface of the connection is close up to the housing, whereby the locking member can pass laterally between the housing and the shaft to enter the groove radially and the arms present maximum abutment areas to the end of the ring and to the outer wall of the groove; substantially as described.

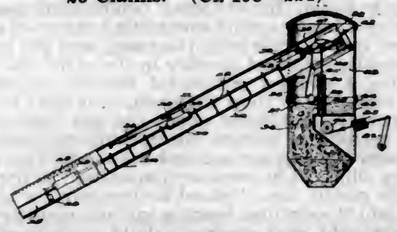
2,136,156

CONVEYER

Harold V. Sturtevant, Norristown, Pa.

Application March 17, 1937, Serial No. 131,497

23 Claims. (Cl. 198—224)



1. In a conveyer, a conduit housing having an opening in the side thereof for receiving material, a reciprocable feed shaft having a plurality of feed members mounted thereon for moving material through the conduit, means for imparting a rocking and reciprocatory movement to said feed members, and means actuated by the shaft for agitating material adjacent to the opening.

2,136,157

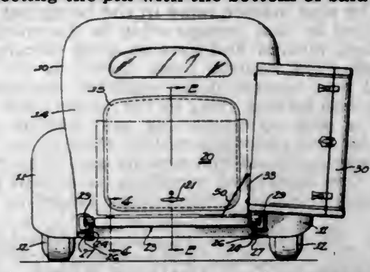
MOTOR VEHICLE

Robert J. Thomas, Philadelphia, Pa., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application June 19, 1935, Serial No. 27,325

2 Claims. (Cl. 224—29)

2. In a motor vehicle, the combination of a rack fixed to and extending rearwardly from said vehicle, said rack having a channel extending transversely thereof and terminating in edge portions turned inwardly of and downwardly into said channel, a trunk hinged at its end on said rack, means for limiting the tilting movement of the trunk comprising a pin slidable in said channel beneath the inturned flanges therein, a strap connecting the pin with the bottom of said trunk,



and stop means in said channel with which said pin engages to limit the hinged movement of said trunk.

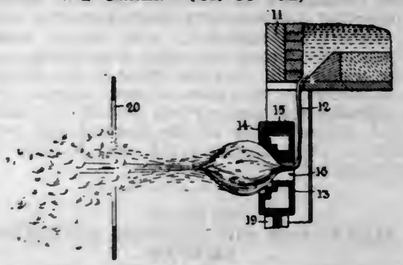
2,136,158

METHOD OF BLOWING MINERAL WOOL

Frank C. Thomas, Martinsburg, W. Va., assignor to The Standard Lime and Stone Company, Baltimore, Md., a corporation of Maryland

Application February 2, 1937, Serial No. 123,738

1 Claim. (Cl. 83—91)



That method of blowing mineral wool, which comprises producing in space and free of contact with any extraneous body or surface a gravitating stream of molten mineral matter, establishing and maintaing adjacent thereto, in spaced relation therewith and positioned entirely to one side thereof, a plurality of axially and radially spaced series of jets of a gaseous medium under pressure, said jets being arranged in a plurality of circular series extending outwardly along the path of flow and projected simultaneously and in converging relation in the direction of flow and at an angle to the gravitating path of the stream, deflecting the stream laterally by the suction produced by the jets, the suction being devoid of any converging constricting influence on the stream, whereby said stream will be deflected laterally without disruption by the indrawing action of the jets and subjected equally and simultaneously on all sides to the action of the jets of gaseous medium.

2,136,159

INTERLOCKING CONTROL APPARATUS

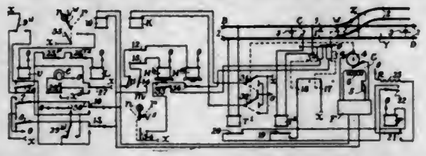
Howard A. Thompson, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application July 31, 1935, Serial No. 34,042

11 Claims. (Cl. 246—3)

1. In combination, a stretch of railway track including a switch, a locking relay, a master relay, manually controllable means for at times energizing said master relay, a polarized control relay, a normal energizing circuit for said polarized control relay closed by said master relay

in its deenergized condition and by said locking relay in the energized condition, a reverse energizing circuit for said polarized control relay closed by said master relay in the energized condition and by said locking relay in the energized condition, normal and reverse stick circuits for said polarized control relay closed by its own normal and reverse polar contacts respectively and by said locking relay in the deenergized condition, a pick-up circuit for said locking relay closed by said polarized control relay in the normal energized condition and by said master relay in the deenerized condition, a second pick-up circuit for said locking relay closed by said



polarized control relay in the reverse energized condition and by said master relay in the energized condition, a stick circuit for said locking relay closed by one of its own front contacts and by traffic conditions in said stretch when said traffic conditions are suitable for said switch to be operated, normal and reverse control circuits for said switch closed by said master relay in its deenergized and energized conditions respectively while said locking relay is in the energized condition, and normal and reverse retaining circuits for said switch closed by said polarized control relay in the normal and reverse condition respectively while said locking relay is deenergized.

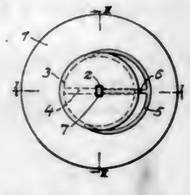
2,136,160
MEANS FOR CONNECTING KNOBS TO SHAFTS
George A. Tinnerman, Rocky River, Ohio, assignor to Albert H. Tinnerman, Cleveland, Ohio
Application December 13, 1937, Serial No. 179,536
4 Claims. (Cl. 287—53)



1. Means for connecting a plastic knob or other plastic body to a shaft, said means comprising an integral connecting hub provided on the plastic body in the form of cooperating hub sections having a socket opening for receiving the shaft, and a spring collar device embracing the hub sections to urge the same to frictional clamping engagement with the shaft, said spring collar device serving to bolster the plastic material of the hub sections in such clamping engagement with the shaft thereby preventing looseness and play in the connection incident to strain taking place therein.

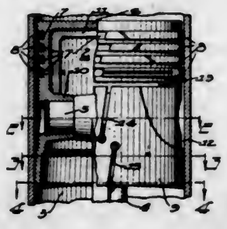
2,136,161
BUTTON IN TWO PARTS
Karel Veselý, Pilsen, Czechoslovakia
Application July 3, 1936, Serial No. 88,871
In Czechoslovakia May 15, 1935
6 Claims. (Cl. 24—106)

1. A device for effecting the releasable attachment of pieces of textile and similar material, comprising a button head, an opening formed in said button head, a locking member having the form of a bow and tongue embracing a portion of said head and resiliently urged into said opening, and a hollow insert member slidably placed



in said opening and adapted to form an abutment for said locking member to prevent said locking member from passing through said opening when said button head is not in use.

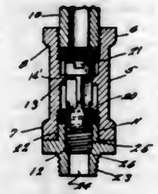
2,136,162
INTERNAL COMBUSTION ENGINE
Marsden Ware, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application January 30, 1935, Serial No. 4,060
6 Claims. (Cl. 309—11)



1. A piston for internal combustion engines having a head, a skirt integrally connected at its upper end directly with the head, and pin bosses integrally attached directly to the skirt, the skirt having a circular peripheral bearing surface at the end remote from the head, said skirt having its periphery relieved about the pin bosses and the peripheral bearing surface intermediate the circular bearing surface and the relieved portions being elliptical in cross section normal to the axis of the piston, the elliptical bearing surface blending into the circular bearing surface axially of the piston, said skirt having axially extending slots therein terminating short of each other in the elliptical cross sectional portion thereof.

2,136,163
DRAIN VALVE
Fitzhugh L. White, South Norfolk, Va.
Application February 4, 1938, Serial No. 188,781
1 Claim. (Cl. 137—34)

A drain valve of the class described comprising a cylindrical casing having its ends open and said ends being internally threaded, an internal integral rib of annular shape in an intermediate part of the casing forming a valve seat, an elongated valve core having a cylindrical head formed with a reduced cylindrical lower part which provides a shoulder at its junction with the larger part, said shoulder engaging the upper face of the rib when the core is in closed position, the lower end of the core being of cylindrical shape and of less diameter than the reduced part of the head, said core having longitudinally extending grooves therein extending from the lower face of the reduced part of the head to the upper portion of the lower cylindrical part, said grooves forming radial ribs, the lower ends of which form shoulders, tubular members threaded into the upper and lower ends of the casing, the lower tubular member having the upper portion of its bore enlarged to form a seat at the junction of the large part with the smaller part, a spring having one end engaging the last-mentioned seat and its upper end encircling the lower cylindrical



end of the core with the upper end of the spring engaging the shoulders formed by the ribs of the core, said spring normally holding the core in raised position with the grooves in the core communicating the space in the casing above the annular ribs with the space below the ribs and the lower end of the core being of much less diameter than the enlarged upper portion of the bore of the lower tubular member, and the upper portion of the head of the core having transverse grooves therein.

2,136,164
BLIND-STITCHING ATTACHMENT FOR SEWING MACHINES
Paul Boguhn, Berlin-Spandau, Germany, assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application June 9, 1937, Serial No. 147,165
In Austria March 31, 1937
10 Claims. (Cl. 112—176)

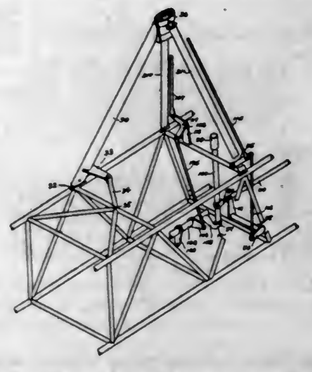


1. In a sewing machine having stitch-forming mechanism including a needle and feeding mechanism including a feed-dog, the combination with a work-guide over and under which the work is folded for presentation to said needle, of a yielding abutment co-operative with said work-guide, a vertically movable carrier for said abutment, said carrier having a part adapted to be lifted by said feed-dog, and a lever operatively connected with said carrier, said lever having an inclined part functioning as a wedge to impart lateral movement to said abutment in the lifting movement of said carrier.

2,136,165
ROTARY WING AIRCRAFT
Elliot Daland, Philadelphia, Pa., assignor to Edward Burke Wilford, Philadelphia, Pa.
Application April 18, 1935, Serial No. 17,005
6 Claims. (Cl. 244—18)

1. Rotary wing aircraft consisting of a body having a longitudinal axis and on which body is mounted a rotor, a mount or support for said rotor comprising a single member asymmetrical

to the vertical plane of symmetry containing said axis in which only said member takes all the moments both from bending and torsion and



all forces as well and in which the rotary axis is disposed substantially in the vertical plane of symmetry.

2,136,166
DRYING APPARATUS
William A. Darrah, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Original application October 15, 1930, Serial No. 488,852. Divided and this application April 25, 1935, Serial No. 18,133
12 Claims. (Cl. 34—12)



1. An apparatus for drying materials which consists of a housing, means for passing material to be dried through said housing, a source of hot products of combustion, a device for circulating said products of combustion through said housing in contact with said material, and means automatically operable on the material for coating the surface thereof with an acid-neutralizing substance, and means for directing said substance from a supply to said coating means.

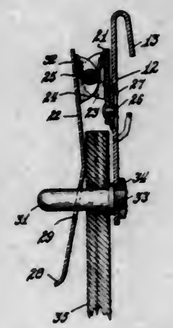
2,136,167
PRODUCTION OF POLAR ADSORBENTS
Eric Berkeley Higgins, Punchetts, Twein Wood, England
No Drawing. Application June 16, 1936, Serial No. 85,618. In Great Britain April 14, 1936
6 Claims. (Cl. 252—2)

1. The method of producing a polar adsorbent which consists in treating a coal with at least about three times its own weight of strong sulphuric acid of at least about 96–98% concentrations and at a temperature which does not exceed 50° C.

2,136,168
FILING DEVICE
Emil Kern, Long Island City, N. Y., assignor to Acco Products, Inc., Long Island City, N. Y., a corporation of New York
Application August 12, 1937, Serial No. 158,682
7 Claims. (Cl. 40—102)

1. In a filing and display device, a slidable member having spaced pins to receive and support

sheets and like material, and hingedly mounted clamps rotatably mounted on said member co-



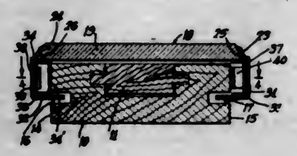
operating with said pins to retain said sheets thereon.

2,136,169

SLIDE RULE INDICATOR

Adolf W. Keuffel, Montclair, N. J., assignor to Keuffel & Esser Company, Hoboken, N. J., a corporation of New Jersey

Application October 26, 1935, Serial No. 46,879
11 Claims. (Cl. 235—70)



1. An indicator for a slide rule comprising a one-piece sheet metal pressing and including means for setting an indicator glass in accurately fixed relation to the other parts, said means including a straight edge surface against which an accurately ground side edge of the indicator glass is designed to fit, said other parts including an integral element adapted to side lap an edge of the rule and having the inner face of said integral element extending in a plane perpendicular to the length of said straight edge surface and a filler piece including parallel sides with one of its parallel sides in snug engagement with said inner face, said inner face and said straight edge surface having an accuracy in their perpendicular relation such as characterizes die machine formed sheet metal structures whereby the other parallel face of the filler piece will likewise extend perpendicular to the length of said straight edge surface within the accuracy of a sheet metal pressing formed by a die machine operation.

2,136,170

GLASS FILTER

Walter O. Luertzing, Vineland, N. J., assignor to Ace Glass Incorporated, Vineland, N. J., a corporation of New Jersey

Application December 15, 1936, Serial No. 116,005
3 Claims. (Cl. 210—205)

1. In a filter, a porous body consisting of a mass of glass strands of predetermined coarseness compressed and fused to each other while under predetermined constant pressure to provide a rigid body of predetermined porosity, and a non-porous glass vessel open at its top and bottom and having



said body disposed therein, margins of the body being fused to walls of the vessel.

2,136,171

MANUFACTURE OF HALOGEN ALKYLAMINES

Walter Maier, Jessnitz, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application January 4, 1936, Serial No. 57,511. In Germany January 9, 1935
7 Claims. (Cl. 260—583)

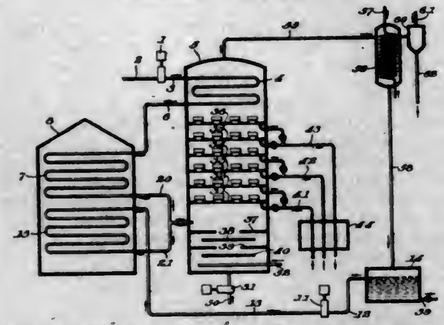
1. A process of manufacturing a halogen alkylamine which comprises treating the hydrogen halide salt of a hydroxyalkylamine with gaseous hydrogen halide at a temperature above 100° C., while distilling off the water formed during the reaction.

2,136,172

METHOD OF DISTILLING HYDROCARBON OILS

Ross C. Powell, Forest Hills, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application July 12, 1932, Serial No. 622,042
Renewed December 2, 1933
4 Claims. (Cl. 196—77)



1. A method of separating lubricating oils from topped crude oil which comprises heating the oil to a temperature below cracking, heating a light refractory oil of the character of kerosene to a cracking temperature, rapidly mixing the two heated oils and immediately passing the mixture into a fractionating column in which the mixed oils are substantially flashed into vapors, fractionating the vapors therein, while

maintaining a substantial vacuum, into overhead vapors comprising the light refractory oil, intermediate fractions comprising light, medium and heavy lubricating oils and a heavy tarry residue.

2,136,173

STABLE PREPARATIONS OF AROMATIC COMPOUNDS CONTAINING ACTIVE HALOGEN

Friedrich-Arnold Steingroever and Otto Josef Boser, Dresden, Germany, assignors to Chemische Fabrik von Heyden, A. G., Radebeul, near Dresden, Germany, a corporation of Germany

No Drawing. Application January 19, 1935, Serial No. 2,582. In Germany January 19, 1934
13 Claims. (Cl. 167—30)

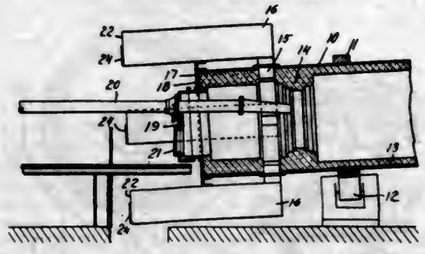
1. Stable preparations comprising solutions of halogenamides in chlorinated compounds selected from the group consisting of diphenyls, diarylethers and phthalic acid anhydride.

2,136,174

KILN

Mikael Vogel-Jorgensen, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey

Application July 23, 1937, Serial No. 155,151
In Great Britain August 6, 1936
9 Claims. (Cl. 263—32)



1. The combination with a rotary kiln having an end at which the material discharges, of a burner for directing a flame axially into the kiln at said end, the kiln having a plurality of openings adjacent said end for the admission of air for combustion, and means operating automatically as the kiln rotates to permit the ingress of air through said openings during the major part of the rotation of the kiln and to prevent admission of air in proximity to the material within the kiln.

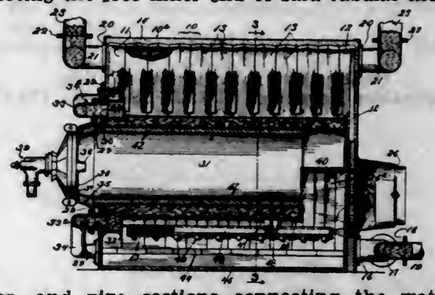
2,136,175

BOILER

Walter Waudby, Boulogne sur Seine, France, assignor to American Radiator Company, New York, N. Y., a corporation of New Jersey

Application October 5, 1935, Serial No. 43,693
In France October 11, 1934
3 Claims. (Cl. 122—210)

1. A sectional cast iron boiler including a front, a back and a plurality of intermediate sections communicatively connected and enclosing a main fuel receptacle and combustion chamber, a double-walled, water-backed tubular sheet metal member constituting a separate fuel receptacle having its forward end supported by and extending through said front section, and its inner end free and extending into said main fuel receptacle and combustion chamber and terminating adjacent the said back section, said tubular member having its walls arranged in spaced relation to the interior of said main fuel receptacle and combustion chamber and communicating at its inner end therewith, means for yieldingly supporting the free inner end of said tubular mem-



ber, and pipe sections connecting the water-backed walls of said tubular member with the water-spaces of said front section.

2,136,176

PHOTOENGRAVING

John M. Hammond, Washington, D. C., assignor to The Varnish Products Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application October 30, 1937, Serial No. 172,054
9 Claims. (Cl. 41—33)

4. The method of stripping a photographic negative having an image-bearing layer of nitrocellulose which is superimposed upon a plate which comprises applying directly on the surface of the negative a coating of solution essentially of cellulose derivative and evaporable solvent which solution does not detrimentally affect said layer of nitrocellulose and image, evaporating the solvent, and thereby depositing on the negative, without detrimentally affecting said nitrocellulose layer and image, an adherent stripping film, and then stripping the composite film and negative from the plate.

2,136,177

UNSATURATED AMINES AND THE PROCESS OF PREPARING THE SAME

Wallace H. Carothers and Gerard J. Berchet, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 6, 1937, Serial No. 129,468
15 Claims. (Cl. 260—583)

1. The process which comprises reacting halogen-4-butadiene-1,2 with a nitrogen compound of the group consisting of ammonia, ammonium hydroxide, primary aliphatic amines, secondary aliphatic amines, tertiary aliphatic amines, primary aromatic amines, secondary amines having one aliphatic and one aromatic group attached to the nitrogen atom, tertiary amines having two aliphatic groups and one aromatic group attached to the nitrogen atom, secondary heterocyclic amines and tertiary heterocyclic amines.

2,136,178

ALIPHATIC UNSATURATED COMPOUNDS AND THE PROCESS OF PREPARING THEM

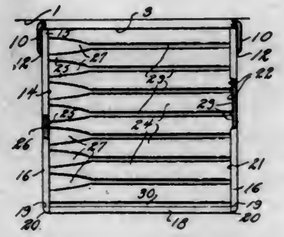
Wallace H. Carothers and Gerard J. Berchet, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 6, 1937, Serial No. 129,469
9 Claims. (Cl. 260—609)

1. The process which comprises reacting halogen-4-butadiene-1,2 with an alkaline reacting

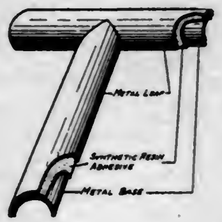
metal inorganic compound of the group consisting of carbonates, oxides, hydrosulfides, and hydroxides.

2,136,179
RACK
Charles D. Carter, Fremont, Ohio
Application November 26, 1937, Serial No. 176,493
1 Claim. (Cl. 211—99)



A rectangular frame including a pair of parallel rigid arms, one having broadened countersunk seats and the other aligned smaller seats, flat arms each press-fitted into a pair of opposed seats to form a rack, a mounting member for attachment to a wall or the like, and J-shaped links independently swingably connected with the member and the frame adjacent the member whereby to dispose the frame in horizontal position with its inner end abutting the under side of the member or in substantially vertical position with the said inner end of the frame disengaged from said under side of the mounting member.

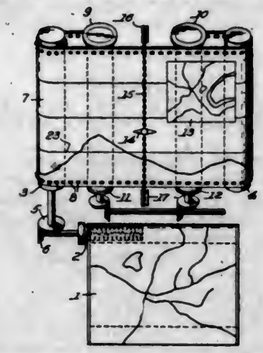
2,136,180
METHOD OF MAKING SIGN ELEMENTS
Joseph Cooke, Philadelphia, Pa.
Application September 13, 1935, Serial No. 40,470
4 Claims. (Cl. 41—37)



1. The method of applying metal leaf to a base which consists of the steps of coating the base with a baking varnish containing a synthetic resin, applying a layer of metal leaf directly on said varnish coating and subjecting the assembly to baking temperatures.

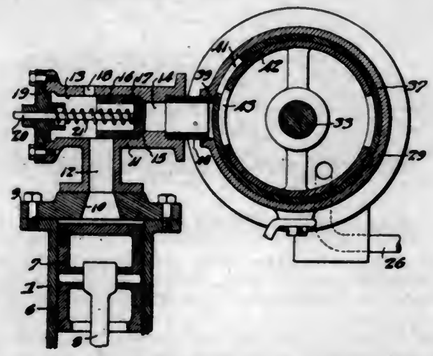
2,136,181
LINE AND ALTITUDE DELINEATOR
Roger Maurice Robert Courtois-Suffit, Paris, France
Application June 5, 1936, Serial No. 83,798
In France June 8, 1935
3 Claims. (Cl. 40—42)

1. In a route tracer for aircraft, a route map having thereon a route profile, means for moving said map proportionately to the speed of the aircraft, an altimeter, and index means operable by



said altimeter for movement over said map relative to said route profile to indicate altitude.

2,136,182
FLUID POWER ENGINE
Palmer H. Crary, Miami, Fla., assignor of fifteen per cent to William F. A. Buehner, Miami, Fla.
Application March 17, 1936, Serial No. 69,408
6 Claims. (Cl. 121—126)

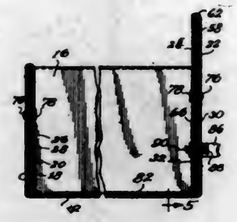


1. A fluid operated power unit comprising, a cylinder provided with intake and exhaust and having a piston therein, a connection supplying operating fluid under pressure to the intake of said cylinder, valve means to control and time the supply of operating fluid, and valve means normally opening the exhaust from the engine and closing the fluid intake, said second valve means being moved to intake opening and exhaust closing position during the time of supply of operating fluid as controlled by said first valve means.

2,136,183
PRODUCTION OF ALKYLENE OXIDES
Henry Dreyfus, London, England
No Drawing. Application December 26, 1935, Serial No. 56,232. In Great Britain January 3, 1935
10 Claims. (Cl. 260—348)

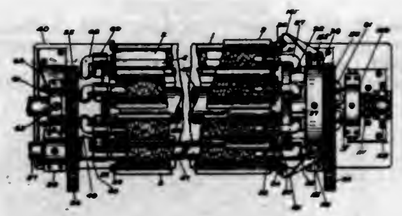
1. Process for the production of an alkylene oxide, which comprises subjecting a fatty acid ester which is distillable and contains an α—β double bond in the alcohol radicle to the action of heat in the presence of a basic reagent and of not substantially more than one molecule of water per molecule of ester.

2,136,184
COLLAPSIBLE FILING DRAWER
Harry L. Fellowes, Chicago, Ill., assignor to Bankers Box Company, Chicago, Ill., a corporation of Illinois
Application July 14, 1937, Serial No. 153,629
4 Claims. (Cl. 229—34)



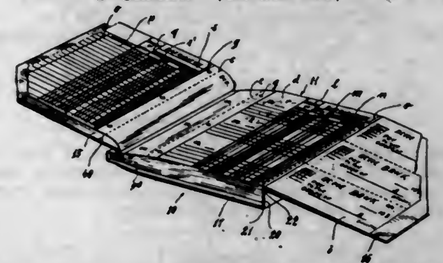
1. A file drawer comprising, a bottom wall; an end wall and side walls attached to said bottom wall; an end wall extension and side wall extensions attached to the end wall and side walls respectively; said end wall being higher than said side walls and having a member to reinforce the portion of said end wall above said side walls; and flaps attached to said side walls and side wall extensions, said flaps being in the same plane as said reinforcing member and enclosed between the end wall and end wall extension.

2,136,185
METHOD AND AUTOMATIC DEVICE FOR HANDLING FLUENT PLASTIC MATERIAL IN DIPPING MACHINES
Enoch T. Ferngren, Jackson Heights, N. Y., assignor, by mesne assignments, to Plax Corporation, Hartford, Conn., a corporation of Delaware
Continuation of application Serial No. 632,689, September 12, 1932. This application October 15, 1936, Serial No. 105,718
17 Claims. (Cl. 18—24)



1. Apparatus for the coating of articles with film-forming compositions, comprising a container for a pool of a film-forming composition, means for establishing, maintaining and conducting a stream of the film-forming composition from a source of supply to, through and away from a dipping pool in said container, and means for bodily moving said container in a predetermined path in proximity to the path of an article to be dipped, the aforesaid means being so constructed and arranged that the article may be dipped into the pool in said container at the adjacent portion of said paths, said stream maintaining and conducting means being independent of the movement of said container.

2,136,186
CHECK-CASH BOOK
Charles A. Frost, Brooklyn, N. Y., assignor to Du-All Check Book Company, Inc., a corporation of New York
Application November 9, 1935, Serial No. 48,981
Renewed March 5, 1938
2 Claims. (Cl. 281—29)



1. A book comprising a cover and leaves folded each against itself and adapted to be unfolded to form respectively inner and outer portions and said leaves being weakened along lines of the folds whereby the outer portions may be successively removed from the inner portions and said outer portions being adapted for writing on one side thereof, a stiff strip hinged at one edge to one edge of the cover approximately in line with said folds and of a width approximately equal to the thickness of the book, an extension hinged to the opposite edge of the strip, the hinged connections between the strip and cover and extension being such that the strip may assume positions at acute angles to the cover and extension, whereby when said book is opened and a leaf unfolded, the strip may be swung to move the inner edge of the extension to the level of said last named leaf and the extension may be used for a backing for the outer portion of said last named leaf.

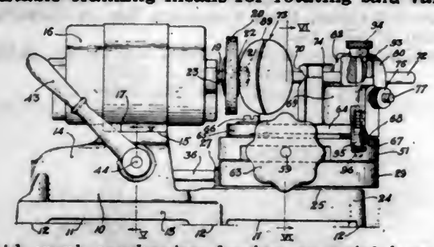
2,136,187
NITRATION OF PARA CRESOL
Robert Frye and Grady M. O'Neal, Chicago, Ill., assignors to The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application April 5, 1937, Serial No. 135,107
11 Claims. (Cl. 260—622)

1. A process for the nitration of para cresol to form meta nitro para cresol, which comprises subjecting up to 1 mol of such cresol to the action of an aqueous nitrating acid solution having at least 1 mol of nitric acid, free sulphuric acid, and from 20 to 220 mols of water, said action being conducted at a temperature from 0° C. to 60° C.

2,136,188
VALVE REFACING DEVICE
Gideon R. Gagné, Kenosha, Wis., and Lon Spraker, Indianapolis, Ind., assignors to Snap-On Tools, Inc., Kenosha, Wis., a corporation of Delaware
Application May 4, 1936, Serial No. 77,772
6 Claims. (Cl. 51—95)

6. In a portable valve refacing device, the combination with a frame, of an electric motor mounted on said frame, a grinding wheel carried by said motor for rotation therewith, a valve support movably mounted on said frame, for adjustably sustaining a valve with its seat against said grinding wheel, means for displacing said valve support longitudinally of the grinding wheel

axis, means for displacing said valve support transversely of the grind-wheel axis, radially adjustable cranking means for rotating said valve,



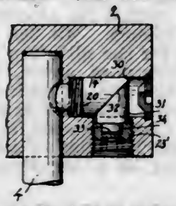
said crank mechanism having an axial bore of greater diameter than the largest size valve stem to be rotated therewith, and means on said crank mechanism to engage a valve stem.

2,136,189
TOY
Edward M. Gatz and Howard A. Weller, Chicago, Ill.
Application September 27, 1937, Serial No. 165,824
7 Claims. (Cl. 46—47)



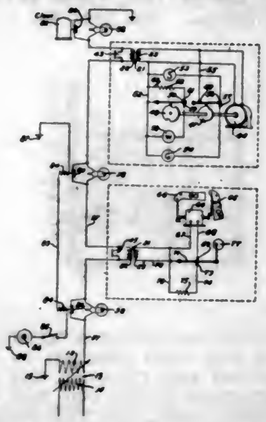
7. As an article of manufacture, a toy structure shaped in simulation of a vehicle and having a series of interruptions on a part thereof, movable means carried by said structure, and an elongated member of the proper shape and attached to said structure in a manner to simulate a part of the vehicle, said member being removable to function as a rubber over said interruptions to cause movement of said means.

2,136,190
TOOL HOLDER
Lars Gulfelt, Redford, Mich.
Application April 6, 1936, Serial No. 72,851
2 Claims. (Cl. 279—76)



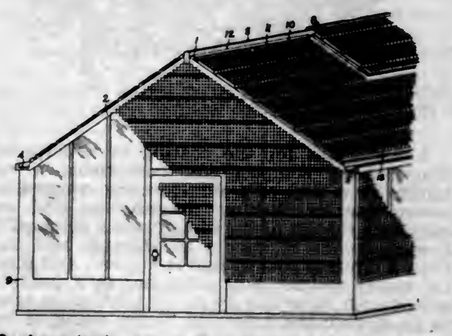
1. A tool holder adapted to be attached to the base of a punch press or the like comprising, a body having a recess for the reception of a punch, the body having a bore therein intersecting the recess, a tool holding member shiftable in the bore, one end of which is projectable into the recess, the other end of said member being disposed at an angle to the axis of the bore and having a flat angular face, the body having a second bore intersecting the first, locking means in the second bore including a member screw threaded in said second bore, and another member rotatably supported by the screw threaded member and having an angular flat face adapted to engage the angular flat face of the holding member, whereby the holding member may be projected into the recess by wedging action.

2,136,191
TRAFFIC SIGNAL AND LIGHTING SYSTEM
Leo J. Jennings, Beverly Hills, Calif.
Application May 5, 1936, Serial No. 77,975
3 Claims. (Cl. 171—97)



3. In combination in a street lighting and signaling system: a constant current lighting circuit; a transformer having the primary thereof connected in series in said lighting circuit; a load circuit having the secondary of said transformer connected in series therewith; an electrically energizable element connected in series in said load circuit; a conductance connected in series in said load circuit and having substantially the same current consuming characteristics as said electrically energizable means; a motor energized by potential induced in said load circuit; and switch means including a contact and a cam operated by said motor for moving said contact to intermittently close said load circuit through said electrically energizable element and said conductance, whereby the load on said constant current circuit is maintained substantially constant.

2,136,192
GREENHOUSE
James H. Kane, San Francisco, Calif., assignor of one-half to Albert T. Roche, San Francisco, Calif.
Application October 29, 1937, Serial No. 171,748
8 Claims. (Cl. 189—4)



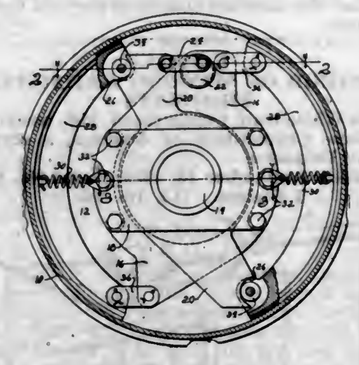
8. A protector for a glazed greenhouse comprising parallel reticulate strips having open ribs depressed in the body thereof, the ribs of contiguous strips being interlocked end supported by the glazed areas of said greenhouse.

2,136,193
ATTACHMENT PLUG
Howard C. Karst, Hanover, Pa., assignor to Belden Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application November 13, 1935, Serial No. 49,599
3 Claims. (Cl. 173—361)



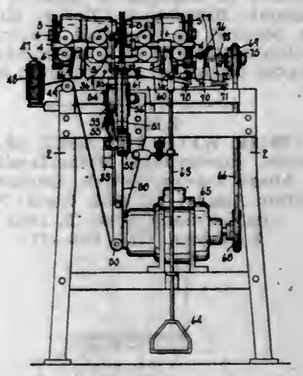
1. A soft rubber electric connector plug comprising a main body member having its front end provided with an opening for receiving a pair of contact prongs, and an auxiliary body member intermediate said prongs, said main body member being provided with rearwardly facing shoulders in opposite side walls, the prongs being respectively positioned against said opposite walls and bent intermediate their lengths to provide therein an offset, the outside of the offset portion of each of said prongs being seated respectively against the rearwardly facing shoulders of said opposite side walls, and said auxiliary body member having forwardly facing shoulders on opposite sides engaging the inner side of the offset portion of each of said prongs, whereby said auxiliary body element is locked to said plug body against endwise displacement therefrom, through the agency of said contact prongs.

2,136,194
BRAKE MECHANISM
Ludwig A. Majneri, Grosse Pointe, Mich.
Application January 8, 1936, Serial No. 58,038
2 Claims. (Cl. 188—78)



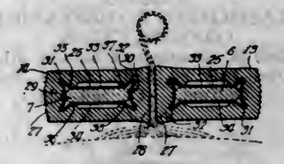
1. In a brake mechanism, the combination of a rotatable drum, a supporting plate, oppositely disposed brake shoes within said drum, an operating lever pivoted on the axis of said rotatable drum, a connection at the opposite ends of said lever, one to the end of one shoe and the other to the opposite end of the other shoe, said connection comprising a pin contacting a concave surface of greater curvature than the periphery of said pin, links connecting each shoe to said supporting plate, and resilient tension means for urging said shoes radially inwardly.

2,136,195
BALL WINDING MACHINE
John M. Oldham, Detroit, Mich., assignor to Leonard A. Young, Detroit, Mich.
Application January 30, 1936, Serial No. 61,488
7 Claims. (Cl. 242—3)



1. In a ball winding machine, the combination of oppositely disposed carriages mounted for reciprocation toward and from each other, facing winding heads rotatably mounted on said carriages, concaved winding rollers mounted on said heads in opposed pairs with their axes transverse to the axis of the heads, certain of said winding rollers being provided with circumferentially disposed projections adjacent one end only of the concaved surface thereof, said projections being adapted to engage a core supported by the rollers to shift the axis of rotation of the core during winding thereof, means for simultaneously rotating said heads and rollers, and means acting to yieldingly urge the carriages toward each other.

2,136,196
SPACER FOR HAIR CURLERS
Marion W. Pitner, Chicago, Ill., assignor to The National Mineral Company, Chicago, Ill., a corporation of Illinois
Application July 20, 1936, Serial No. 91,477
15 Claims. (Cl. 132—36.1)

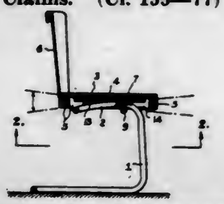


1. A spacer for hair curlers comprising a pair of bars, means at one end of said bars hinging them together, resilient lined sleeves on said bars, and a locking device for locking the free ends of said bars together comprising a link pivoted to one of said bars, said link having means thereon for engaging the other bar and pressing it toward the first named bar, said first named bar having a slot therein, and said link having a pivot member seated in said slot, the sleeve on said first named bar having a portion overlapping the slot and closing the entrance thereof sufficiently to hold the pivot member in the slot.

2,136,197
CHROMIUM-PLATING ELECTROLYTE
Robert W. Shaffer, Kenosha, Wis., assignor to Snap-On Tools, Inc., Kenosha, Wis., a corporation of Delaware
No Drawing. Application September 25, 1936, Serial No. 102,599
7 Claims. (Cl. 204—1)

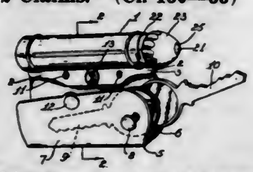
1. A method of electrodepositing chromium from solution of chromic acid which consists in the reduction of chromic acid at the cathode in the presence of manganese dioxide, potassium permanganate, manganese chloride, and Rochelle salts by passing an electrical current through the solution containing said ingredients to effect the cathodic deposition of chromium in a metallic state.

2,136,198
CHAIR WITH TILTABLE SEAT
Mart Stam, Amsterdam, Netherlands, assignor to Anton Lorenz, Zurich, Switzerland
Application August 17, 1936, Serial No. 96,402
In Germany April 10, 1935
8 Claims. (Cl. 155—77)



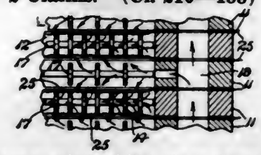
4. A chair comprising a supporting underframe having spaced parallel convex rolling surfaces at the top thereof, the apex of each convex rolling surface being intermediate the ends thereof and curved downwardly from the apex both forward and rearward of the chair, the apex of the convex rolling surfaces being in the forward one-third of the curved surfaces and sloping downwardly more steeply forward of the apex than rearwardly thereof, a seat having rolling surfaces tiltably engaging the rolling surfaces of the frame and supported thereby, elastic means urging the seat to a substantially horizontal position but permitting tilting of the seat on the frame from such horizontal position, said seat having a border frame along the sides thereof adjacent to the seat rolling surfaces and extending from a point above the seat engaging surfaces to a point below the seat engaging surfaces.

2,136,199
FLASHLIGHT COMBINATION CONSTRUCTION
Nels H. Swanson, Chicago, Ill.
Application July 20, 1936, Serial No. 91,455
2 Claims. (Cl. 150—35)



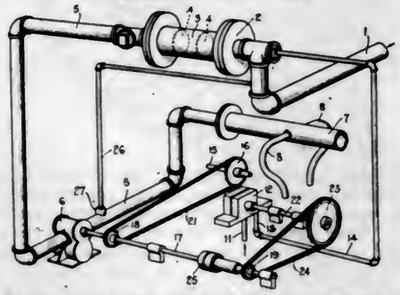
2. In combination, an article-receiving cylindrical shell of relatively thin and relatively rigid material formed with an external, longitudinally extending, radially projecting flange, and a sheath of flexible sheet material molded approximately at the middle with means permanently securing one end of said sheath to the flange, a pivotal member engaging both folds of the sheath near one end for securing a key or keys therein, and a fastener for the sheath comprising one member secured permanently to the flange approximately at the middle of its length, and another member secured in the free end of the sheath, the end portion of the flange adjacent the pivotal member being narrower than the middle portion which supports the fastener, and being concavely curved toward said pivot to afford clearance for the bow of a key carried thereon.

2,136,200
FILTER CONSTRUCTION
Arthur H. Weisser, Grand Rapids, Mich., assignor to J. C. Miller Company, Grand Rapids, Mich., a corporation of Michigan
Application May 18, 1936, Serial No. 80,375
2 Claims. (Cl. 210—188)



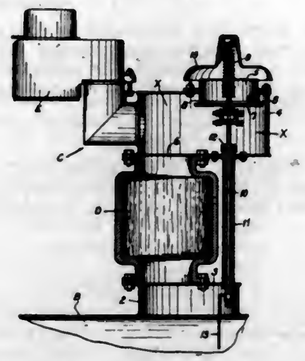
1. In an apparatus of the class described, a plurality of open frames positioned side by side and held together, fabric between the adjacent sides of said frames, each of said frames in the opposite side members and in the lower member thereof having a transverse opening and said fabrics having corresponding openings whereby when the frames are positioned together conduits are provided, one at each side and one at the bottom of the pack of frames and fabrics, alternate frames at one side having passages extending laterally from the transverse openings therethrough to the inner side of the frame, and the other frames having like lateral passages from the openings in the opposite sides thereof to the inner side of the frame, and the bottom members of alternate frames having vertical passages leading from the interior of the frame to the transverse openings therethrough, and spaced apart vertical slats located in the open space of each frame, alternate frames having substantially double the number of vertical slats that there are in the remaining frames between and correspondingly spaced apart substantially one-half of the distance from each other that the slats are spaced in the said remaining frames.

2,136,201
METHOD OF SPINNING ARTIFICIAL FILAMENTS
William Whitehead, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
Application September 13, 1935, Serial No. 40,353
5 Claims. (Cl. 18—54)



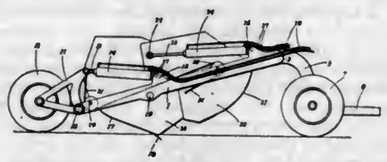
1. Process for improving the homogeneity of a mixture of pigment and spinning solution in the forming of pigmented artificial filaments or yarns, which comprises adding a pigment to a spinning solution and mixing the same together, feeding the pigment/spinning solution mixture to a spinning jet and passing a major proportion of the pigment/spinning solution mixture back to commingle with freshly mixed pigment and spinning solution.

2,136,202
CONTROL DEVICE FOR BREATHER TYPE STORAGE TANKS
John H. Wiggins, Chicago, Ill.
Application March 3, 1937, Serial No. 128,717
8 Claims. (Cl. 220—85)



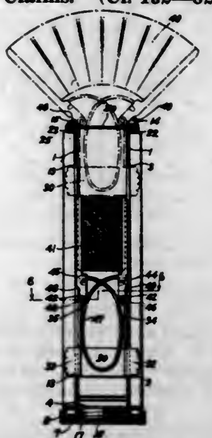
1. A control device for storage tanks used to hold gases and volatile liquids, comprising a valve body having a gas chamber provided with an inlet through which gases enter said chamber from the tank, a vent valve for said chamber, and an operating device for said vent valve arranged out of the direct path of travel of the gases that enter said gas chamber from the tank.

2,136,203
WAGON SCRAPER
William Joseph Adams, Santa Cruz, Calif., assignor to W. J. Adams, Inc., Stockton, Calif., a corporation
Application December 28, 1936, Serial No. 117,792
8 Claims. (Cl. 37—126)



1. A scraper comprising a wheel supported frame having spaced side beams, a rear digging bowl disposed between the beams, said bowl having side plates, trunnions pivoting the side plates intermediate the ends and the top and bottom thereof on the beams, a front auxiliary bowl having a bottom plate cooperating with and forming a closure for the front end of the rear bowl when the latter is in transporting position, said front bowl having side plates overlapping those of the rear bowl, and enclosing dirt disposed between the two bowls, pivot connections between the overlapping side plates above the trunnions, means applied to said pivot connections to pull the same forwardly whereby to tilt the rear bowl and means between the bowls to cause the front bowl to be tilted in the opposite direction to the rear bowl with the tilting of the latter.

2,136,204
COSMETIC DEVICE
Leon H. Amdur, Brooklyn, N. Y.
Application August 4, 1938, Serial No. 223,040
35 Claims. (Cl. 132—82)



1. In a device of the class described, the combination of a casing open at one end and provided with a powder compartment, an applicator contractible to the confines of the said casing and spreadable to present a cosmetic applying surface, closure means for the said casing opening and the said powder compartment, and manipulative means effective upon movement in one direction to close the powder compartment and to move the casing closure means to open position and to propel the powdered applicator through the casing opening, and effective upon movement in the opposite direction to retract the applicator within the casing and to open the powder compartment and to move the casing closure means to closed position.

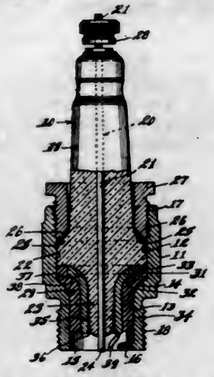
2,136,205
BLASTING POWDER
Laud S. Byers, Glendale, Calif.
No Drawing. Application November 15, 1937, Serial No. 174,694
3 Claims. (Cl. 52—11)

2. A blasting powder comprising a loose mass of pellets having a sodium nitrate center coated with a viscous film of an explosive nitric ester liquefiable at moderate temperature forming a binder holding an outer layer of an intimate mixture of a finely divided explosive including a nitrate salt, a perchlorate, and an easily oxidizable metal.

2,136,206
SPARK PLUG
Thomas Dukelow, Chicago, Ill.
Application May 13, 1937, Serial No. 142,333
2 Claims. (Cl. 123—169)

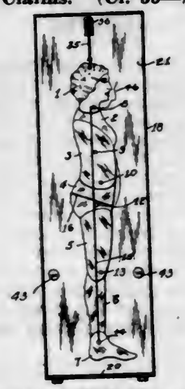
1. A device of the character described comprising a metallic shell having an electrode in a side portion thereof, a central electrode insulated from said shell and adapted to be connected to a source of potential and forming a spark gap with said first electrode, a single auxiliary electrode of uniform small diameter positioned entirely in said spark gap in spaced relation to said

first and second electrodes, and a mounting for said auxiliary electrode insulated from said first



and second electrodes, said mounting including a bushing within said shell.

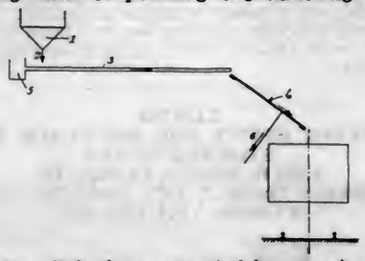
2,136,207
ARTICULATED POSTURE MANIKIN
Frank H. Ewerhardt, St. Louis, Mo.
Application June 11, 1937, Serial No. 147,609
2 Claims. (Cl. 35—29)



1. In an educational device of the kind described, a manikin secured at its lower end to a fixed support, and including upper and lower body portions and a pelvic portion therebetween, said pelvic portion being pivoted at an upper point to said upper body portion and at a lower point to said lower body portion, said pair of pivoted points being out of vertical alignment, means for actuating said upper body portion longitudinally for a predetermined distance, whereby said pelvic portion will be partially rotated about its pair of pivoted points, and means for retrieving said portions to normal positions after each actuation.

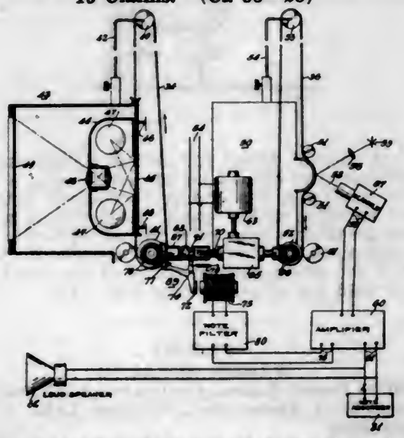
2,136,208
PROCESS FOR CONVERTING LIQUID PITCH INTO A FRAGMENTARY, TRANSPORTABLE FORM
Karl Fehr, Erwin Heinemann, and Wilhelm Schneider, Rauxel, Westphalia, Germany, assignors to the firm Rütgerswerke-Aktiengesellschaft, Berlin, Germany
Application June 22, 1937, Serial No. 149,616
In Germany July 4, 1936
1 Claim. (Cl. 83—91)

A process for converting liquid pitch into a fragmentary, transportable form by running off the hot liquid pitch in a thin jet into flowing water, mechanically separating the solidified pitch, whilst still hot, from the water, the remaining heat evaporating the adhering water



from the pitch thus separated by exposing it to air at normal temperature whereby the dissipation of the retained heat in the separated pitch is effective to dry and fragment the same as it cools to normal temperature.

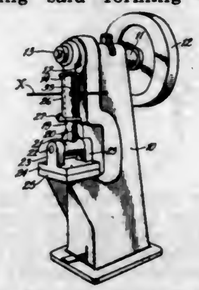
2,136,209
PROJECTING MECHANISM
William G. H. Finch, Spuyten Duyvil, N. Y.
Application December 31, 1936, Serial No. 118,629
13 Claims. (Cl. 88—28)



1. In a projecting device for a plurality of picture frames arranged in a continuous strip, means for reproducing sound for the picture frames from a separate sound record for controlling the movement of said strip; means for advancing said strip comprising a spring wound motor, apparatus for engaging with said strip, and means for driving said apparatus by said motor including mechanism for stopping the driving when the strip has advanced one frame comprising a disc having a peripheral notch and a lever having a projection for normally engaging said notch; and means for shifting said strip in response to the scanning of a predetermined signal on said sound record for attracting said lever away from said disc to permit the disc to rotate until reengagement thereof by said lever.

2,136,210
METHOD AND APPARATUS FOR SYNCHRONIZING STRIP FEEDING AND FABRICATING MOVEMENTS
Edward H. Hall, Chicago, Ill.
Application October 2, 1937, Serial No. 166,967
6 Claims. (Cl. 164—87)

1. In mechanism of the class described for recurrently acting upon a continuously advancing strip of material, the combination of a pair of forming elements and separate mountings for each of said elements, one of said mountings being adapted to impart oscillatory movements to its element upon a single center, means slidably connecting said forming elements, and



means on the other mounting for imparting reciprocatory movements to its forming element concurrently with the oscillation of both of said elements, to bring the forming elements into coacting relation during the oscillatory advance of both of said elements in the direction of the feeding movement of the strip.

2,136,211
COPPER ALLOY
Franz R. Hensel and Earl I. Larsen, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Application September 15, 1937, Serial No. 164,036
1 Claim. (Cl. 75—160)

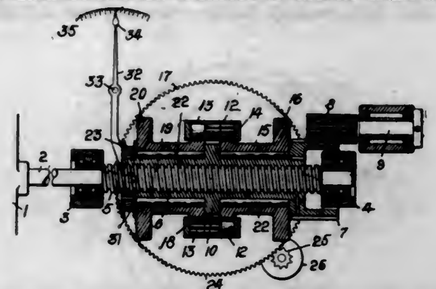
An age-hardened alloy containing about 0.05–5% zirconium, 0.1–5% of an intermetallic compound formed from chromium and silicon, and the remainder substantially all copper, characterized by a combination of high hardness and high electrical conductivity and further characterized by the fact that its hardness and conductivity are not permanently affected by temperatures in order of 500 degrees C.

2,136,212
COPPER ALLOYS
Franz R. Hensel and Earl I. Larsen, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Application September 10, 1938, Serial No. 229,331
3 Claims. (Cl. 75—159)

2. An alloy composed of .05 to 3% beryllium, .1 to 10% nickel, .05 to 5% silicon and the balance copper.

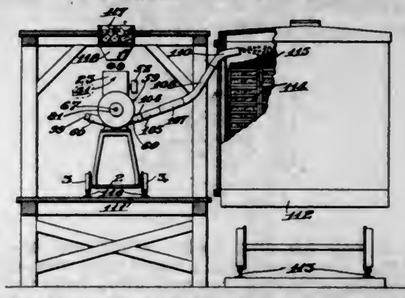
2,136,213
MECHANICAL SERVO MECHANISM
Frederick S. Hodgman, Glen Rock, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application August 3, 1935, Serial No. 34,530
9 Claims. (Cl. 74—395)

1. In a mechanical servo mechanism, a rotatable control member, a driving disc rotatable at constant speed, radially adjustable power transmission means frictionally engaging the surface of said disc to be driven by the latter, a controlled member, a threaded shaft and a nut threaded thereon, one of which is driven by said control member and the other of which drives said controlled member, and which jointly control the radial position of said transmission means, and differential gearing connected to said power transmission means and to said nut, whereby said controlled member is driven from said



transmission means by the power supplied from said disc at a speed proportional to the speed of rotation of said control member.

2,136,214
MEANS FOR TOP ICING LOADED REFRIGERATOR CARS AND THE LIKE
Virgil Keith, Fort Worth, Tex., assignor to James A. Somerville, Dallas, Tex.
Application March 18, 1935, Serial No. 11,690
10 Claims. (Cl. 62—1)

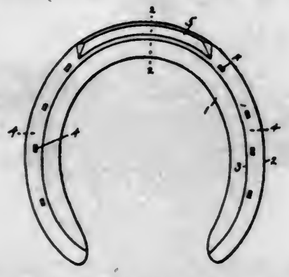


1. Apparatus for icing railway cars and other transportation vehicles to refrigerate contents thereof, comprising a machine portably mounted on wheels on a trackway, an impeller on said machine comprising a substantially cylindrical casing the axis of which is disposed longitudinally of the trackway, said housing having an outlet disposed transversely of the trackway, a rotor in said casing, the axis of the rotor being longitudinal with respect to the trackway, and said rotor having radial blade members, means for feeding pieces of ice in predetermined sizes with approximate uniformity thereof, the inlet for the pieces of ice being lateral of the rotor and arranged to deposit the pieces of ice in the path of the rotating blades of the rotor which bat the pieces and impell the same through said outlet, and a conveyor tube detachably secured to said outlet, said conveyor tube being manipulable, at will, to direct the stream of impelled ice from the tube selectively to any part of the space in a car or vehicle to be iced.

2,136,215
HORSESHOE
John Mabius, Baltimore, Md.
Application October 20, 1937, Serial No. 169,925
1 Claim. (Cl. 168—4)

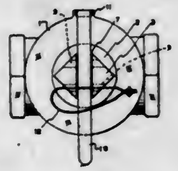
A horseshoe having a flat upper surface, a V-shaped flange extending from the lower surface around the outer edge thereof, a small V-shaped

flange projecting from the lower surface between the first-named flange and the inner edge of the shoe and terminating below the upper edge of the first-named flange, the portion of the



shoe between the last-named flange and the inner edge of the shoe being flat, and an integral V-shaped toe extending from the lower surface of the shoe at the front end thereof, said shoe having holes in the groove between said flanges.

2,136,216
VALVE LOCK
Julian F. Martin, Cleveland, Okla.
Application May 2, 1938, Serial No. 206,501
2 Claims. (Cl. 251—6)

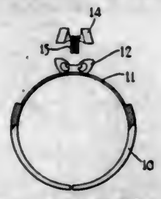


1. A lock for plug cocks comprising in combination, a valve casing, a valve plug rotatable in the casing, a turning key extending from the upper end of said plug, a bifurcating slot extending transversely through said key, an opening extending through said key at an angle to said slot, an elongated lock bar attached by a hinge at one end to said valve casing, the free end of said lock bar being constrained to rotate vertically about said hinge and to enter said slot when said valve plug is in the closed position, and a frangible seal member extending through said opening in the key and spanning said slot, said seal member being automatically broken by vertical movement of the free end of said lock bar out of said slot.

2,136,217
CONDENSATION PROCESS
Walter Mitchell, Norton-on-Tees, England, assignor to Imperial Chemical Industries, Limited, a corporation of Great Britain
No Drawing. Application August 24, 1935, Serial No. 37,684
11 Claims. (Cl. 260—2)

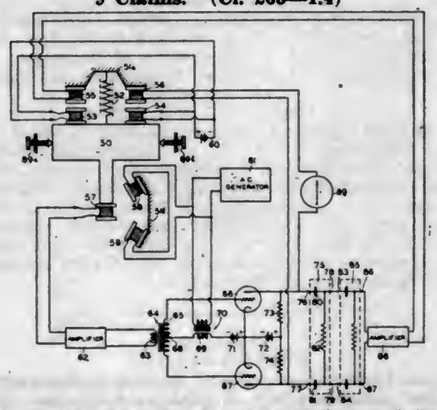
1. A process which comprises adding sulfuric acid to a mercuric salt solution which yields a precipitate of mercuric sulfate upon the addition of sulfuric acid, then washing the precipitate of mercuric sulfate until it is free of acid, and thereafter condensing acetylene with a compound of the group consisting of alcohols and phenols in the presence of the freshly precipitated mercuric sulfate.

2,136,218
FINGER RING
Israel Roskin, New York, N. Y.
Application March 18, 1937, Serial No. 131,562
4 Claims. (Cl. 63—15)



1. In a finger ring assembly, the combination of a ring annulus having a setting support and a setting member, said setting member comprising a body portion adapted to carry a gem and a pair of downwardly projecting fingers, said fingers being so constructed and arranged as to overlie and resiliently grasp the opposed outer surfaces of said support to temporarily hold the setting in proper position for ultimate permanent connection.

2,136,219
GRAVITY METER
Serge Alexander Scherbatskoy, Tulsa, Okla.
Application January 29, 1938, Serial No. 187,759
9 Claims. (Cl. 265—1.4)

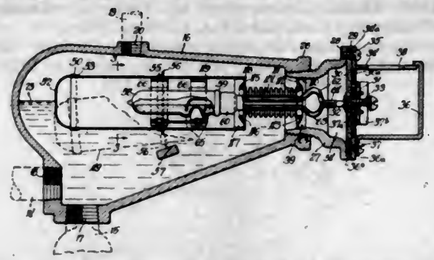


1. In an apparatus for determining variations of gravity, an elastic member, a gravity sensitive member attached to the elastic member, the said gravity sensitive member being subjected to a varying force of gravity, means responsive to the variation of gravity for applying an additional force maintaining the stress of the elastic member substantially uniform, and means for determining the magnitude of the said additional force.

2,136,220
CONTROL SWITCH
Alfred W. Shepherd, Maplewood, N. J., assignor of one-half to Oscar F. Carlson Company, Chicago, Ill., a corporation of Illinois, and one-half to Everett N. McDonnell, Chicago, Ill.
Application August 16, 1935, Serial No. 36,447
1 Claim. (Cl. 200—84)

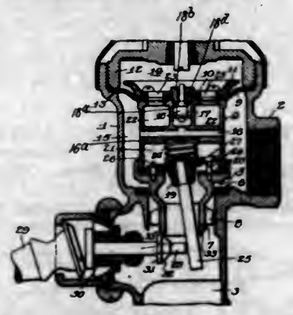
In a control device of the class described, a float member including a substantially cylindrical body portion, a flexible bellows sealed to one end of said body portion and extending axially outwardly therefrom, a substantially cylindrical glass switch housing, spring clips for supporting

said housing, resilient supporting means secured to said clips and engaging the inner periphery of said body portion to position said housing sub-



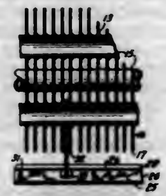
stantially axially within said float member, and flexible insulated conductors extending from said housing outwardly through said bellows.

2,136,221
FLUSH VALVE
William E. Sloan, Chicago, Ill., assignor to Sloan Valve Company, Chicago, Ill., a corporation of Illinois
Application July 13, 1934, Serial No. 734,899
12 Claims. (Cl. 137—93)



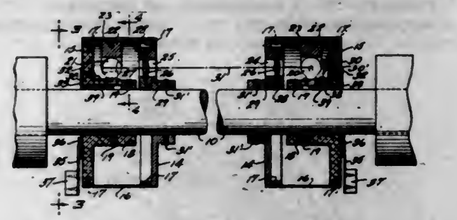
7. A flush valve comprising a casing, a main valve therein, an auxiliary tilting valve carried by the main valve, a series of pins spaced apart connected with the main valve and projecting through openings in the auxiliary valve, and means for tilting said auxiliary valve so as to move one edge of it with relation to the pins associated with such edge.

2,136,222
REFRIGERATOR
Raymond H. Starr, Kansas City, Mo.
Application February 20, 1935, Serial No. 7,363
5 Claims. (Cl. 62—103)



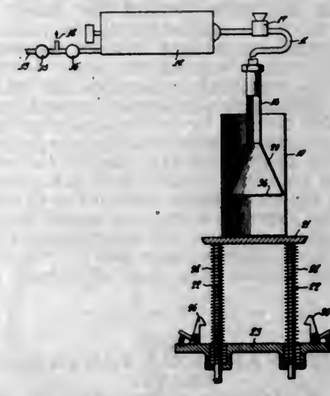
2. In a refrigerator, a cooling element having a row of drip portions for ice melted from said cooling element, and a drip pan supported under said drip portions and having a polished inner surface facing said cooling element and having a dark, heat absorbing outer surface.

2,136,223
TORSION INDICATOR
Adolph A. Thomas, New York, N. Y.
Application November 27, 1931, Serial No. 577,440
16 Claims. (Cl. 265—25)



1. In torsion-indicating apparatus, the combination of a Wheatstone bridge, an electric torsion indicator connected across the equi-potential points of said bridge, a photo-electric cell in a branch of said bridge, and means controlled by the torsion of a shaft for variably activating said cell, whereby the latter controls said indicator.

2,136,224
RECEPTACLE FILLER FOR ICE CREAM
Charles Frederick Weinreich, Des Plaines, Ill., assignor to Cherry-Burrell Corporation, Chicago, Ill., a corporation
Application January 12, 1937, Serial No. 120,215
9 Claims. (Cl. 226—125)



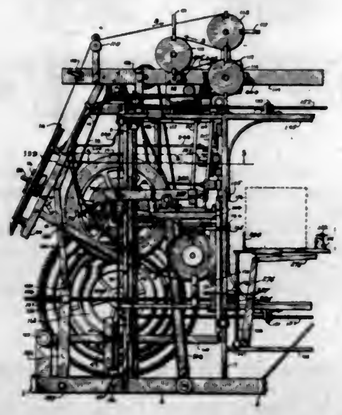
1. In combination, a pressure freezer for continuously forming under pressure and delivering an aerated semi-frozen plastic ice cream, a receptacle for receiving said ice cream and of substantially uniform cross section throughout its height, a delivery conduit connected to said freezer, and a discharge nozzle connected to said conduit and adapted to extend substantially to the bottom of said receptacle, said nozzle having a passage therethrough with its inlet end of approximately the cross sectional area of the conduit, and its outlet end in said receptacle of but slightly less cross sectional area than said receptacle, the cross sectional area of said passage gradually increasing from said inlet end to said outlet end, whereby the ice cream stream progressively spreads laterally at decreasing velocity and under decreasing pressure during flow through said nozzle, and has substantially no lateral flow in the receptacle after leaving said outlet and during relative vertical movement of the nozzle and receptacle at a rate corresponding to the rate of filling of the receptacle.

2,136,225

AUTOMATIC MACHINE FOR STRAPPING PACKAGES WITH METAL STRAPS

William Erastus Williams, Palo Alto, Calif., assignor to Signode Steel Strapping Company, Chicago, Ill., a corporation of Delaware

Application July 27, 1931, Serial No. 553,325
8 Claims. (Cl. 100—31)



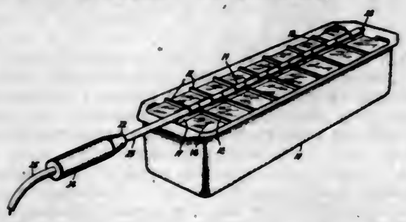
1. In a machine for tying metal binders, the combination of means for supporting the object to be tied, guiding means for guiding the stock in passing the same around the object to be tied and having a gap adjacent the face of the object, means for feeding forward the stock in the guiding means to place the binder around the object with overlapping portions at said gap, means for gripping the binder, means for tensioning the binder, tie-forming mechanism including crimping jaws mounted to move in unison in and out of the gap, means for severing the binder from the stock at said gap, means for actuating the tie-forming mechanism to close the jaws in the gap and crimp the binder into a tie, and automatic means for controlling the tie-forming mechanism to form the tie after a predetermined tension has been developed in the binder.

2,136,226

PARTITION ASSEMBLY FOR FREEZING TRAYS

Leonard W. Atchison, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application December 1, 1936, Serial No. 113,694
4 Claims. (Cl. 62—108.5)



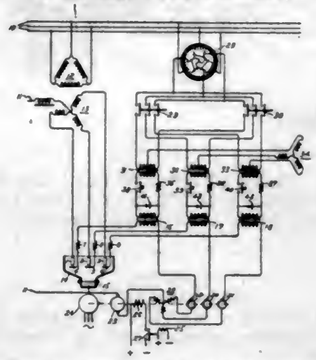
1. In combination with a freezing tray, a removable partition assembly comprising a plurality of metallic partition elements, each of said partition elements being provided with means comprising two tabs bent in opposite directions for receiving a removable heating element.

2,136,227

ELECTRIC VALVE CONVERTING APPARATUS

Jean Augier and Pierre Gabriel Laurent, Belfort, France, assignors to General Electric Company, a corporation of New York

Application June 28, 1935, Serial No. 28,962. Renewed May 19, 1938. In France July 4, 1934
9 Claims. (Cl. 175—363)



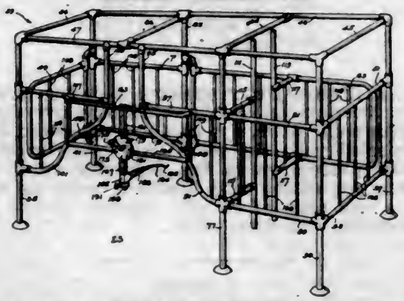
1. In a polyphase electric valve converter having a plurality of controlled electric valves, the method of operation which comprises introducing into each successive polyphase cycle a heterochronous progressive retardation of the time of ignition of certain of said valves thereby to reduce gradually the power output of said converter.

2,136,228

SUPPORT FOR MILKING MACHINES

Henry B. Babson and Jacob J. Stampen, Chicago, Ill., assignors to Babson Bros., Chicago, Ill., a corporation of Illinois

Application October 8, 1934, Serial No. 747,321
7 Claims. (Cl. 31—58)



1. Adjustable support means for milking apparatus comprising, a support element, resilient suspension means mounted to pivot on the support element about a substantially vertical axis, said suspension means having a portion extending outwardly from the support element and formed to receive and carry the milking apparatus, and yielding means on said support element and operatively associated with said suspension means to urge the same normally in one direction on its pivot whereby to yieldingly bias the suspension member away from milking position.

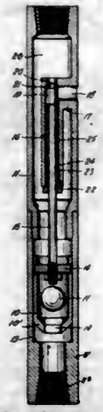
2,136,229

NATURAL GAS PRODUCTION

George Judson Baldwin and George Wesley Addy, Cayuga, Ontario, Canada

Application May 16, 1938, Serial No. 208,327
5 Claims. (Cl. 103—234)

1. A tubular body for insertion in a pipe line, an internal valve seat in said body, a piston including a skirt and a frustro-conical piston head having an axial opening, said head being adapted for engagement with said seat, a ball movably confined within the skirt and adapted for engagement with the rim of said opening, a piston rod associated with the piston, means in the opposite end of the tubular body establishing communication through the body wall, and a shut-off valve carried by the piston rod and associated with said means and controlled by the movement of the piston to close said means when the piston is in one position and to open said means when the piston is in another position.



2,136,230

MULTIPLE PASSAGE HOSE

Michael Berman and William Brockner, Buffalo, N. Y., assignors to Hewitt Rubber Corporation, Buffalo, N. Y.

Application November 27, 1936, Serial No. 112,852
2 Claims. (Cl. 138—49)



1. A single-piece multiple passage hose comprising a plurality of fabric reinforced rubber tubes arranged side by side and spaced apart, one of said tubes being provided for each passage of said hose, the fabric reinforcement of each tube extending completely around the passage, and a single outer cover of rubber for said plurality of tubes, arranged to form a layer of substantially uniform thickness about each tube and securely bonded to each tube, said cover including an integral connecting part of substantial thickness forming a connection between adjacent lengths of covered tubes and which extends over materially less than one-fourth of the periphery of each of said connected covered tubes, all of said parts of said hose at any transverse section thereof being simultaneously vulcanized together under pressure into a uniform, unitary and resilient body.

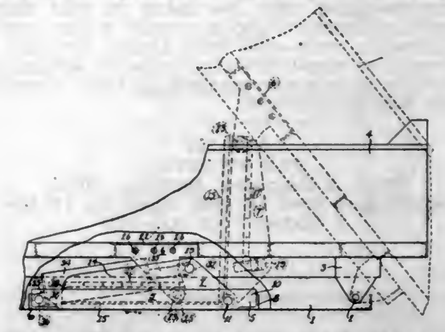
2,136,231

DUMP BODY LEVERAGE

Fred Biszantz, Galion, Ohio, assignor to The Galion Metallic Vault Company, Galion, Ohio, a corporation of Ohio

Application June 21, 1937, Serial No. 149,311
4 Claims. (Cl. 298—22)

1. In a leverage for use in dump trucks including a vehicle frame having a dump body pivotally secured thereto; a stationary hoist frame secured to the vehicle frame, a lifting arm pivoted at one end to said hoist frame for swinging movement about a transverse axis and having a longitudinal trackway therein, a lifting bracket rigidly secured to the under side of the dump body, roller means on said lifting bracket and retained for longitudinal rolling movement in said trackway, a crosshead directly pivoted to said lifting arm, and power means supported on said hoist frame for applying thrust to said crosshead to swing said lifting arm and cause relative rolling movement between the trackway thereof and the roller on said lifting bracket to cause said dump body to be swung about its axis on the vehicle frame.

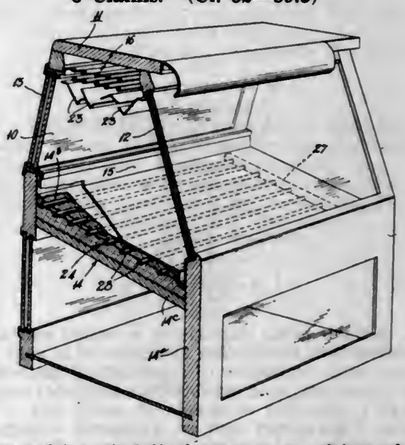


2,136,232

REFRIGERATING METHOD AND APPARATUS

Albert H. Bromann, Jr., River Forest, Ill., assignor to Bromann Bros., Chicago, Ill., a corporation of Illinois

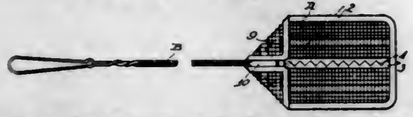
Application January 9, 1937, Serial No. 119,726
5 Claims. (Cl. 62—89.5)



1. A refrigerated display case comprising a heat insulated chamber having a generally horizontal wall therein adapted to support foodstuffs thereon, means including a dry-type refrigerant evaporator disposed adjacent the top of said compartment for cooling the air therein to a temperature below 45° F., means including a thermostatic expansion valve located at the inlet of said evaporator and controlled by a thermostatic bulb at the outlet thereof for controlling the flow of refrigerant to said evaporator, and means including a second refrigerant evaporator connected in

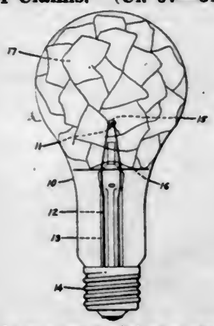
series relation with said first named evaporator and extending in heat exchange relation with substantially the entire area of said wall for maintaining said wall at a temperature between 32° F. and 45° F., whereby a barrier is formed against the leakage of heat from the exterior through said wall without freezing of materials thereon, said second evaporator including an inlet header communicating with the outlet of said first-named evaporator and an outlet header communicating with said inlet header through a plurality of cross-circulation passages defined by conduits each communicating at their opposite ends with said headers.

2,136,233
FLY SWATTER
Percy J. Brownson, Hastings, Minn.
Application April 15, 1937, Serial No. 137,020
5 Claims. (Cl. 43—137)



1. In a fly swatter, a body portion of open mesh material, a supporting handle, a strip of soft material centrally secured to one face of the body portion in line with the handle, a metal stiffening element positioned between said strip and the face of the body portion, means for anchoring said stiffening element in position between said strip and body portion, and means for securing said body portion to said handle.

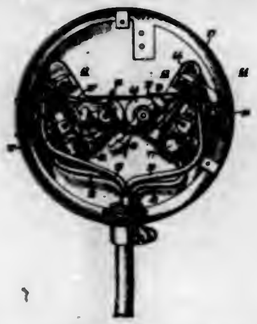
2,136,234
FLASH LAMP
Paul O. Cartun, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application November 13, 1937, Serial No. 174,419
4 Claims. (Cl. 67—31)



1. A flash lamp comprising a sealed container, a combustion supporting atmosphere in said container, and a quantity of combustible material in said container, said combustible material consisting of a plurality of sheets of metal foil of different thicknesses and so arranged within the container as to provide the desired flash characteristics upon combustion.

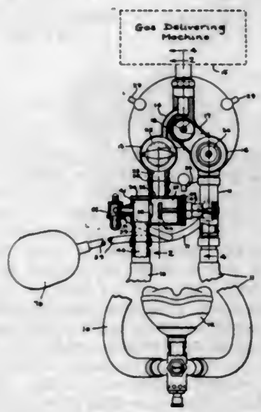
2,136,235
TEMPERATURE CONTROL SYSTEM
Harry R. Crago, Caldwell, N. J., assignor to General Electric Company, a corporation of New York
Application November 25, 1936, Serial No. 112,683
12 Claims. (Cl. 236—11)

1. In combination, means for heating a medium, means for circulating said medium, first means responsive to the temperature of the medium and having a control device for initiating operation of the circulating means upon a predetermined rise in temperature of the medium, second means responsive to the temperature of the medium and having a control device for ter-



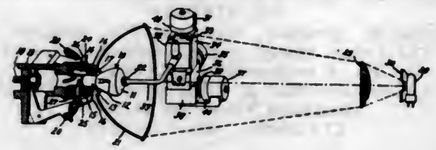
minating operation of said heating means upon occurrence of a predetermined greater temperature rise of said medium, and means operable by said first mentioned means upon an additional temperature rise of said medium for operating the control device of said second means to terminate operation of said heating means.

2,136,236
MEANS FOR INDICATING PRESENCE AND RELATIVE AMOUNTS OF CARBON DIOXIDE IN GASES FOR BREATHING
William B. Draper, Denver, Colo.
Application April 25, 1936, Serial No. 76,389
9 Claims. (Cl. 128—203)



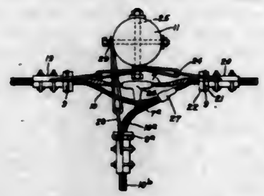
9. In an apparatus for subjecting individuals to a breathing mixture in a closed breathing circuit wherein the gases are caused to move through the closed circuit by the patient's breathing, a container enclosing a solution, including an indicator and a buffer consisting of an absolute metallic salt, for indicating the presence of CO_2 mixture within the closed breathing circuit which is breathed by the patient, said container having a transparent portion through which said solution is visible, and means for causing a sample of said mixture to pass into the container and bubble through said solution.

2,136,237
METHOD AND APPARATUS FOR PREFOCUSING LAMPS
Duryea E. Elmendorf, Shaker Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application June 21, 1937, Serial No. 149,455
12 Claims. (Cl. 176—3)



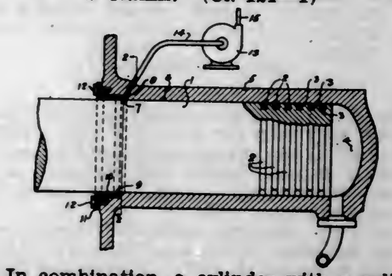
1. Apparatus for accurately locating the filament of an incandescent lamp sealed within a bulb with respect to a portion of a base which comprises a holder for the said base portion, means located adjacent to said holder for supporting the said bulb with the filament at approximately the desired location, means for connecting the said filament to a source of current to cause it to emit light, means located adjacent to said holder for directing light emitted by said filament in a beam in a given direction, light-sensitive means located in the path of the said light beam when the filament is correctly located for receiving the whole of said light beam, and means controlled by said light-sensitive means for moving the said bulb with respect to said holder to cause the said light beam to concentrate on the said light-sensitive means whereby the said filament is located correctly with respect to the said base portion.

2,136,238
OVERHEAD CABLE INSTALLATION
Frank W. Engster, Washington, D. C., assignor to General Electric Company, a corporation of New York
Application June 12, 1936, Serial No. 84,932
5 Claims. (Cl. 173—251)



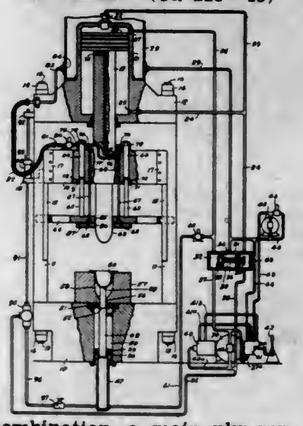
1. A cable installation comprising elevated supports, suspended main and branch concentric cables, each comprising an insulated central conductor and a surrounding conductor operating at ground potential, the latter comprising supporting wires of high tensile strength and interspersed conducting wires, the said supporting wires of the main cable being cut in the region of a support, clamps secured to the adjacent ends of the cut wires and to the supporting wires of the branch cable, means connecting the clamps of the main and branch cables to the support in such manner as to prevent a longitudinal pull on the center conductor thereof between the cut ends of the supporting wires, and connectors electrically uniting the center conductor of the main cable and the outer conducting wires thereof with those of the branch cable respectively.

2,136,239
PACKING RAM
Walter Ernst, Mount Gilead, Ohio, assignor, by mesne assignments, to The Hydraulic Press Corporation, Inc., Wilmington, Del., a corporation of Delaware
Application September 5, 1935, Serial No. 39,311
2 Claims. (Cl. 121—1)



1. In combination, a cylinder with a cylinder bore, a plunger reciprocable therein, leakage impeding piston rings on said plunger engaging the walls of said cylinder bore, an annular recess communicating with said cylinder bore immediately adjacent the outlet of said plunger therefrom, a port arranged to withdraw fluid from said recess, an annular wiping member surrounding and engaging said plunger adjacent said recess on the opposite side thereof from said cylinder bore, a packing beyond said annular wiping member engaging said plunger and said annular member, an adjustable packing-compressing element beyond said packing whereby pressure fluid leakage between the plunger and the cylinder bore past said leakage impeding piston rings will be removed through said recess and port before reaching and damaging said packing, said annular wiping member snugly engaging said plunger whereby to divert fluid thereon into said annular recess for removal through said port and thereby to assist in preventing leakage fluid from reaching said packing, and power-driven means connected to said port for positively exhausting therefrom the fluid collected therein.

2,136,240
TRIPLE-ACTION DRAWING PRESS
Walter Ernst, Mount Gilead, Ohio, assignor to The Hydraulic Press Corporation, Inc., Wilmington, Del., a corporation of Delaware
Application April 16, 1936, Serial No. 74,742
13 Claims. (Cl. 113—45)



1. In combination, a main plunger, a platen

operated thereby, a forming plunger connected thereto, a clamping plunger associated with said platen and operated by the motion thereof, a cooperative shaping die, and a supporting plunger arranged to engage the work-piece and oppose the motion of said forming plunger, means for hydraulically connecting said supporting plunger with said main plunger, whereby to oppose the motion of said forming plunger by a force proportional to the force exerted by said main plunger.

2,136,241

STORAGE BATTERY POSITIVE ELECTRODE AND METHOD OF MAKING THE SAME

Harold R. Harner, Frederick H. Schultz, and Everett J. Ritchie, Joplin, Mo., assignors to The Eagle-Picher Lead Company, Cincinnati, Ohio, a corporation of Ohio

No Drawing. Original application September 30, 1935, Serial No. 42,878, now Patent No. 2,108,748, dated February 15, 1938. Divided and this application January 13, 1938, Serial No. 184,844

6 Claims. (Cl. 136—26)

4. A lead acid storage battery electrode the paste ingredients of which have been treated with a solution of phenol and a subsequent treatment with dilute sulphuric acid and formaldehyde to produce on formation the bonding network.

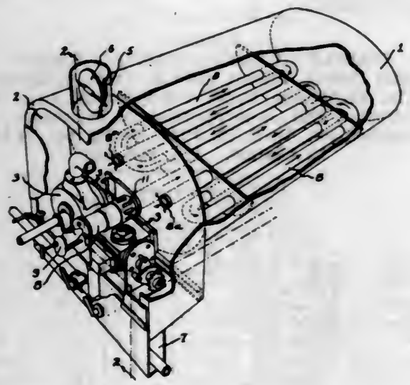
2,136,242

APPARATUS FOR DISTRIBUTING LIQUIDS ON ROADS

Herbert Haupt, Mount Healthy, Ohio, assignor to Littleford Brothers, Cincinnati, Ohio, a copartnership comprising John S. Littleford, Thomas S. Littleford, Roger S. Littleford, John S. Littleford, Jr., and Bernice L. Wadsworth

Original application July 19, 1933, Serial No. 681,152. Divided and this application March 4, 1937, Serial No. 129,009

6 Claims. (Cl. 126—343.5)



1. In apparatus of the character described, a tank, a heating chamber at one end of said tank, and having fluid distributing means contained therein, a flue running through said tank and said chamber for heating the same, a burner discharging heated gases into said flue at the chamber terminal thereof, said flue being provided with apertures within said chamber and a damper in said flue between said apertures and the point of entrance of the flue into said tank, so that the closing of the damper will increase the flow of heated gases through the apertures into the chamber.

2,136,243

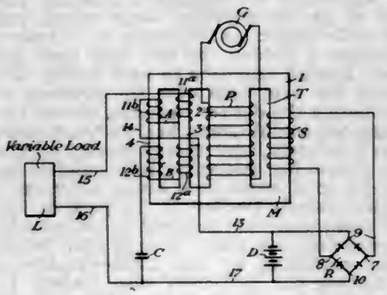
ELECTRICAL REGULATING APPARATUS FOR RECTIFIERS

Linnie K. Hedding, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application May 9, 1936, Serial No. 78,822

Renewed November 14, 1936

27 Claims. (Cl. 175—363)



1. In combination, a variable load, a regulating transformer having a main magnetic circuit and an auxiliary magnetic circuit, a primary winding linking both said magnetic circuits, means for supplying said primary winding with alternating current, a secondary winding linking only said main magnetic circuit, a rectifier having its input terminals connected with said secondary winding, a first regulating winding linking only said auxiliary magnetic circuit, an output circuit for connecting said load with the output terminals of said rectifier in series with said first regulating winding, a second regulating winding linking only said auxiliary magnetic circuit, a condenser, and a shunt circuit for connecting said second regulating winding with the output terminals of said rectifier in series with said condenser.

19. In a rectifier system, an A. C. input circuit, a rectifier and a D. C. output circuit, a series arrangement of capacitance and inductance connected across said output circuit and means in said output ciruit for varying the value of said inductance responsive to the current in said output circuit.

2,136,244

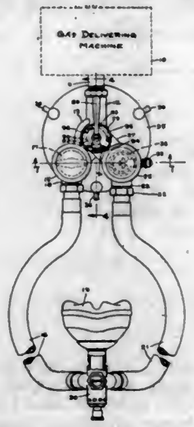
ABSORBER AND REBREATHING MECHANISM FOR ANESTHETIZING MACHINES

Jay A. Heidbrink, Minneapolis, Minn., assignor to The Ohio Chemical and Manufacturing Company, Cleveland, Ohio

Application August 23, 1935, Serial No. 37,497

11 Claims. (Cl. 128—203)

1. In an anesthetizing apparatus, embodying a closed breathing line, a multiplicity of separate containers for absorber material each having a port adapted to open into the breathing line, a valve having a port adapted to register separately with each of said first-named ports or jointly with two of them, a pair of pointers movable with said valve, and an indicator cooperating with the pointers to show when the first-named ports are



all closed by the valve, when any of them is fully opened, and when two of them are opened.

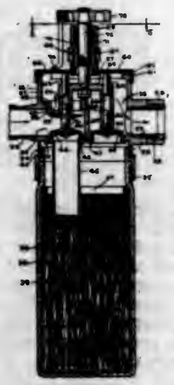
2,136,245

ETHER VAPORIZER

Jay A. Heidbrink, Minneapolis, Minn., assignor to The Ohio Chemical and Manufacturing Company, Cleveland, Ohio

Application August 23, 1935, Serial No. 37,499

6 Claims. (Cl. 128—203)



6. In anesthetizing apparatus means for delivering a mixture of gases to the patient including a closed breathing line, an ether vaporizer in the breathing line including a vaporizer chamber and a cylinder of absorbent material therein, an ether dispenser comprising means for holding the proper amount of ether for a normal anesthesia, means controlling release of ether from said dispenser and movement thereof such that the ether will drip out of the dispenser and will thereafter move by gravity to all of said cylinder of absorbent material only as fast as vaporized without accumulating any free layer of liquid ether, means for permitting observation of the dripping operation, and means for causing breathed gas moving through said closed circuit to go through the vaporizer chamber.

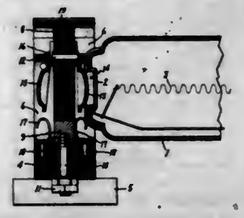
2,136,246

LAMP HOLDER

Henry H. Helmbright, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York

Application March 12, 1937, Serial No. 130,467

4 Claims. (Cl. 173—328)



4. In a lamp holder for a plurality of cylindrical lamps having ferrules at their ends, the combination of a base of insulating material having recesses in opposite faces thereof, said recesses being separated by a wall, a contact embedded in the wall and being exposed at opposite ends to each of said recesses, a spring finger disposed in each of said recesses and normally biased to a position out of engagement with a corresponding end of said contact, a spring blade mounted on each side of said wall in each of said recesses, said spring blades being flexed toward the wall by engagement with the ferrules of separate lamps to support the corresponding end of the lamp in said holder and said fingers being moved simultaneously into engagement with the opposite ends of said contact by engagement with said ferrules whereby the ends of said lamps are electrically connected to said contact.

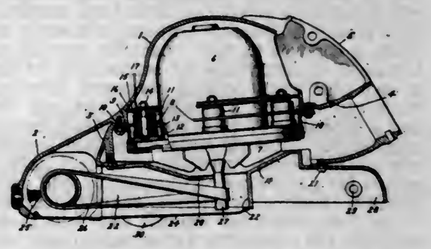
2,136,247

VACUUM CLEANER

Henry A. Kroenlein, Cleveland, Ohio, assignor, by mesne assignments, to General Electric Company, a corporation of New York

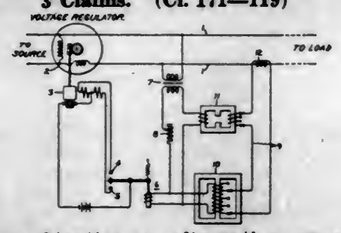
Application October 18, 1933, Serial No. 694,076

10 Claims. (Cl. 15—8)



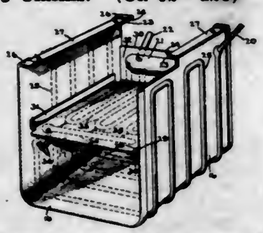
1. A vacuum cleaner comprising a casing having a dome open at its lower end, front and side walls of a suction nozzle at the front of the dome and formed integral with the dome, an annular wall carried by the dome below the dome opening and forming at least a part of the surrounding wall of a fan chamber, a motor supported in the dome, the lower open end of the dome and the opening defined by the annular wall being of greater diameter than the motor whereby the motor may be inserted through them into the dome, and a cover plate attached to said annular wall for completing the surrounding wall of the fan chamber.

2,136,248
ELECTRICAL REGULATION
Willard J. McLachlan, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application January 30, 1937, Serial No. 123,212
3 Claims. (Cl. 171—119)



1. In combination, an alternating current circuit, a voltage regulator therefor having a main control device connected to respond to the voltage of said circuit, means for providing a voltage in series with said device which corresponds in magnitude and phase with the reactance voltage drop in said circuit, and means in parallel circuit relation with said device for circulating in said device an auxiliary current which corresponds in magnitude and phase with the resistance voltage drop in said circuit.

2,136,249
REFRIGERANT EVAPORATOR
Delbert F. Newman, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 17, 1937, Serial No. 137,498
5 Claims. (Cl. 62—126)



4. A refrigerant evaporator comprising sheet metal portions providing side and bottom walls of a freezing chamber, means including an extending conduit having relatively few turns and arranged on said walls for containing refrigerant to cool said walls, a shelf arranged between said walls and having a header at one end thereof and a plurality of U-shaped conduits each communicating at both ends with said header for containing liquid refrigerant to cool said shelf, means for admitting refrigerant to said extended conduit, means providing communication between said extended conduit and said U-shaped conduits for conveying refrigerant from said extended conduit and for directing refrigerant in jets into said U-shaped conduits to produce a circulation of liquid refrigerant therein, and means for conveying gaseous refrigerant from said header.

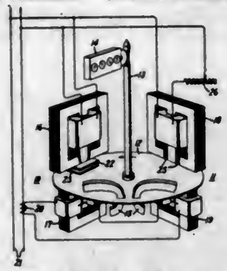
2,136,250
HOSE-SUPPORTING FOUNDATION BLOOMER GARMENT
Ruth Fontaine Peck, Minneapolis, Minn., assignor to Winget Kickernick Company, Minneapolis, Minn., a corporation
Application January 13, 1936, Serial No. 58,902
3 Claims. (Cl. 2—33)

1. A foundation bloomer garment embodying legs, and having a flat elastic ribbon sewed at its ends to the insides of the legs of the garment so as to lie flat under the material of the garment and be concealed thereby, and forming a flat



loop of said ribbon, and a hose-supporting element formed with an elongated eye through which said flat loop extends, said hose-supporting element being freely slidable along the flat loop of said ribbon.

2,136,251
VOLT-AMPERE-HOUR METER
William H. Pratt, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application October 7, 1937, Serial No. 167,753
5 Claims. (Cl. 171—264)

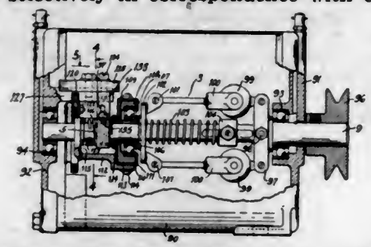


1. A volt-ampere-hour-meter comprising a rotatively mounted armature of conducting material, a pair of induction meter driving elements operating on said armature, said elements having voltage electromagnets connected in parallel but reversed with respect to each other and having current electromagnets connected in series, one of said elements producing a torque on said armature which decreases with a given decrease in power factor and with the other of said elements producing a resultant torque on said armature in the same direction which increases with such a decrease in power factor, the torque constants of said two meter elements being such that the resultant torque of both elements remains substantially proportional to volt-amperes over a considerable range of power factor variation.

2,136,252
SPEED RESPONSIVE ELECTRICAL CONTACTOR
Christian A. Rasmussen, Cleveland, Ohio
Application March 4, 1935, Serial No. 9,244
10 Claims. (Cl. 200—80)

1. In an electric switch construction, a main support, a rotary centrifugal device on the support adapted to be driven at variable speed, and

comprising a speed-responsive movable element, a pair of stationary contacts and a reciprocably movable contact supported on the frame, means causing the movable contact to move into confronting relation to one of the stationary contacts selectively in correspondence with change

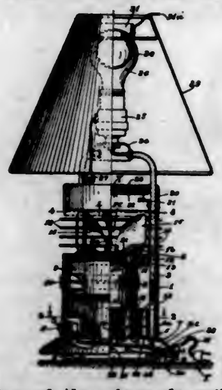


of rotational direction, said means comprising frictional drive means operative at rotary speeds below a predetermined speed only and the centrifugal device comprising axially movable means for moving the confronting contacts into engagement at a predetermined rotational speed.

2,136,253
RESINOUS COMPOSITIONS
Moyer M. Safford, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Original application May 25, 1932, Serial No. 613,563. Divided and this application December 18, 1936, Serial No. 116,660
1 Claim. (Cl. 260—75)

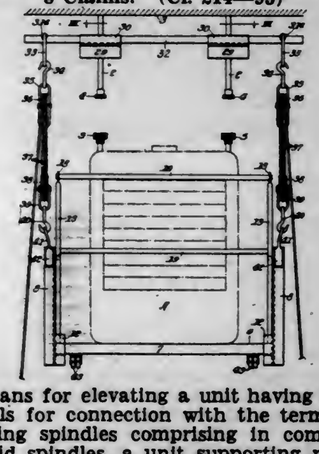
The process of curing alkyd resins comprising as resin ingredients, dibasic aliphatic acid, dihydric alcohol, polyhydric alcohol having three or more hydroxyl groups, and polybasic aromatic acid which comprises subjecting to mechanical mixing and working under heat the partially reacted resin ingredients in the liquid state until the resin ingredients have completely reacted and the reaction mass has cured to a solid infusible state.

2,136,254
FILTER-FAN-LAMP EQUIPMENT
Don A. Sargent, Portland, Maine
Application May 6, 1937, Serial No. 141,131
2 Claims. (Cl. 21—120)



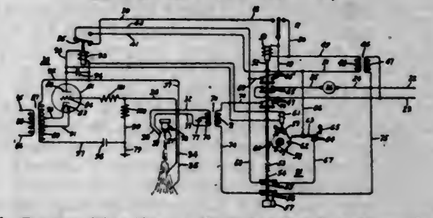
1. A device of the class described comprising in combination with a lamp-holding fixture having a lamp and a shade therefor, a tubular base member upon which said lamp fixture is mounted, a deodorant-holding receptacle detachably mounted in the bottom portion of said base member, a perforate pan, having a circumferential flange, secured in said base member upwardly of and spaced from said receptacle, a vertical-shaft motor mounted within said base member, sound-absorbing elements, having perforations therein, disposed in said base member both above and below said motor and in contact therewith, said perforate pan supporting the sound-absorbing elements disposed below the motor, a disinfectant-holding receptacle located directly on and above said lamp, and a fan-wheel, actuated by said motor, adapted to draft air both from the interior of said shade and from the bottom end of said base member simultaneously, and project it outwardly in all horizontal directions.

2,136,255
SUPPORTING AND ELEVATING MEANS FOR OVERHEAD UNITS
Pius A. Scanlon, New Castle, Pa.
Application January 4, 1938, Serial No. 183,307
8 Claims. (Cl. 214—95)



1. Means for elevating a unit having coupling terminals for connection with the terminals of supporting spindles comprising in combination with said spindles, a unit supporting platform, an upper transverse bar having endwise links, block and tackle elevating and lowering means removably connected with said links and with opposite side portions of the platform, and removable means connected with the spindles provided with tubular supports for the transverse bar.

2,136,256
FURNACE CONTROL SYSTEM
Alva L. Sweet, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 18, 1935, Serial No. 55,132
14 Claims. (Cl. 158—28)



1. In combination, a furnace having a combustion chamber, means including a nozzle for supplying a combustible mixture to said chamber and propagating the same in a predetermined direction therein, means including a transformer

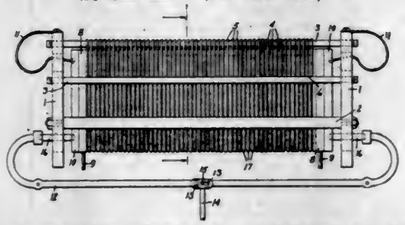
of the type having the midpoint of its secondary grounded and ignition electrodes positioned in proximity to said nozzle for igniting said combustible mixture, and means for controlling said supply means in response to flame conditions, said means including an electric discharge device having an anode, a cathode, and a control electrode, said cathode being in electrical conducting relation with said nozzle, a first electrode positioned in the flame and electrically connected to said anode, and a second electrode positioned in the flame intermediate said nozzle and said first electrode and connected to said control electrode.

2,136,257

VARIABLE RESISTANCE DEVICE

Louis W. Thompson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application June 4, 1937, Serial No. 146,419
26 Claims. (Cl. 201—51)



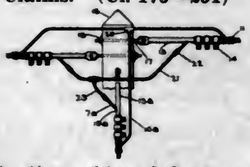
1. A variable resistance comprising a pile of electrical conducting elements of alternately different materials between which there is a relatively high contact resistance, one set of non-adjacent elements being so arranged as to permit mutual short-circuiting engagement between portions of the other set of non-adjacent elements which are normally out of engagement, and means for causing successive engagement of said portions without changing substantially the pressure between said elements.

2,136,258

AERIAL CABLE SUPPORT

Edward C. Vrooman, Schenectady, N. Y., assignor to Locke Insulator Corporation, Baltimore, Md., a corporation of Maryland

Application October 15, 1936, Serial No. 105,705
5 Claims. (Cl. 173—251)



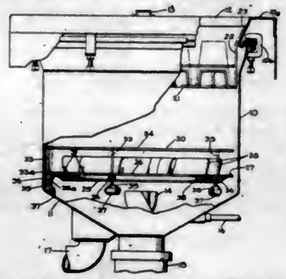
1. In combination cables of the type each having an insulated center conductor and an outer conductor comprising bare supporting wires of high tensile strength and bare wires of good electrical conductivity alternately and spirally arranged to form an annulus, with a tube located between the insulated conductor of each cable length and its supporting wires only, the supporting wires being spirally wrapped around the tube to increase the frictional engagement between them and the tube, individually adjustable means for clamping the supporting wires only in firm contact with the outer wall of the tube, means securing each of the cable lengths to a common support and maintaining them under tension, and a jumper connected at its ends to the wires of good conductivity beyond the outer ends of the tubes to unite the conductors of good conductivity.

2,136,259

DISHWASHING APPARATUS

Forrest A. Walker, Oak Park, Ill., assignor, by mesne assignments, to Edison General Electric Appliance Company, Inc., a corporation of New York

Application June 22, 1934, Serial No. 731,901
8 Claims. (Cl. 141—9)



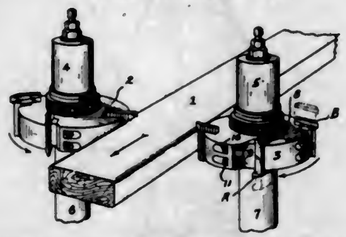
4. Dishwashing apparatus comprising a vat, an impeller in said vat rotatable for circulating cleansing liquid upwardly in said vat, an open-work utensil supporting rack in the upper portion of said vat above said impeller, an open-work supporting means in said vat between said rack and impeller through which liquid from said impeller is directed, a plurality of baffles on said supporting means arranged generally radially with respect to the central vertical axis of said vat and having liquid engaging surfaces arranged generally vertically with the inner ends of said baffles inclined to the vertical at a smaller angle than the outer ends, and means securing said baffles to said supporting means.

2,136,260

KNIFE FOR LUMBER-DRESSING MACHINERY

Thomas J. Waltmon, Portland, Oreg., assignor to The Ohio Knife Company, Cincinnati, Ohio, a corporation of Ohio

Application December 30, 1936, Serial No. 118,343
1 Claim. (Cl. 144—241)



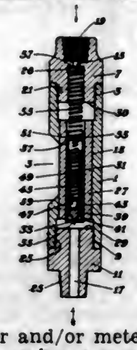
In combination a knife of generally rectangular form having a corrugated back side and a front side with portions lying at different effective levels, said knife being beveled from the front side toward the back side so that the front side is the longer of the two sides, so that the cutting edge of said knife has a configuration other than that of a continuous straight line, by reason of said different effective levels, and a filler block so shaped that when laid against the front face of said knife it will present an outer surface flush with the highest level of said front face.

2,136,261

PLUNGER TYPE FLUID INDICATOR AND METERING DEVICE

Harry J. Anderson, Chicago, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

Application March 2, 1936, Serial No. 66,571
11 Claims. (Cl. 73—194)



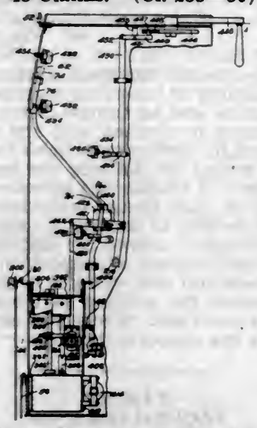
11. An indicator and/or metering device comprising a metallic casing, a non-frangible hollow cylinder composed of synthetic resin, a portion at least of which is transparent, press-fitted into said casing from one end thereof in order to prevent leakage without the aid of sealing means, top and bottom closures for said casing having an outlet and inlet respectively, a slot in said casing opposite said transparent portion of said cylinder, and a plunger in said cylinder adapted to reciprocate therein past said slot.

2,136,262

MEANS FOR MAKING PHOTOGRAPHIC RECORDS OF COUNTING MECHANISM BEFORE AND AFTER USE

Edson S. Hineline, Irondequoit, N. Y., assignor to Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware

Application July 22, 1936, Serial No. 92,046
45 Claims. (Cl. 235—50)



1. Mechanism for producing a record of an object-surface such as a counting mechanism, which includes in combination; an enclosure for said object-surface; a device for producing and retaining two images of said object-surface, one after the other; access-preventing means to prevent access past said enclosure to the object-surface; and cooperating means operatively associated with said device and said access-preventing-means continuing the action of said access-preventing-means while the said device is producing the first of said images and until it has completed producing the second of said images.

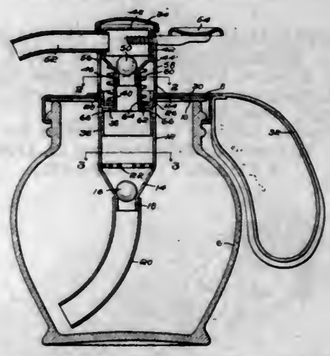
19. In combination, voting mechanism, counting mechanism therefor, a barrier to prevent access to said counting mechanism, means for producing and retaining two photographic images of said counting mechanism, means operatively associated with said barrier and with means for producing and retaining said images, to prevent access past said barrier to said mechanism until after the second of said images has been so produced, and means interlocking the voting mechanism with the photographic image-producing means, so that the voting mechanism may not be operated until after the first of the two photographic images has been produced.

2,136,263

DISPENSER FOR FOODS AND THE LIKE

Harold H. Holmes, Brighton, Mass., assignor to A. S. Campbell Co., Inc., East Boston, Mass., a corporation of Massachusetts

Application September 30, 1936, Serial No. 103,309
10 Claims. (Cl. 221—83)



1. Dispensing mechanism for liquids and semi-liquids comprising a cover adapted to be fitted to a portable container and having an opening therethrough, parts comprising a cylinder and a housing bearing on the cover at the inner and outer sides thereof respectively, one of said parts having a reduced neck extending through the opening, to which neck the other part is secured, a piston in the cylinder having a hollow rod extending through the opening, a chamber guided in the housing into which said rod opens and to which it is secured, a spring within the housing interposed between the chamber and cover, a spout projecting laterally from the chamber, the housing having a suitable slot in which said spout may work means extending from the chamber for manually reciprocating the same and valves controlling intake to the cylinder and discharge to the chamber.

2,136,264

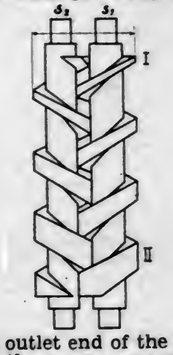
KNEADING APPARATUS

Siegfried Kiesskalt, Hans Tampke, Ernst Weingaertner, and Karl Winnacker, Frankfort-on-the-Main, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

Application July 3, 1936, Serial No. 88,902
In Germany July 25, 1935
5 Claims. (Cl. 259—104)

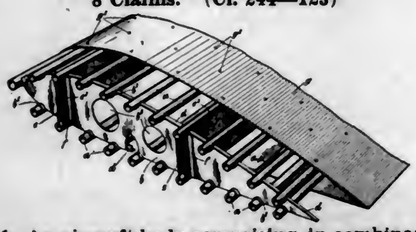
1. A kneading apparatus comprising a casing, right-handed and left-handed worms arranged

in the casing so that the threads of the worms intermesh, the threads of the worms being of constant pitch, the cross-sectional area of the threads of each worm gradually increasing from



the inlet to the outlet end of the casing, whereby the threads of the worms are relatively widely separated at the inlet end and closely spaced at the outlet end, the worms and casing forming a valveless pump at the outlet end of the casing.

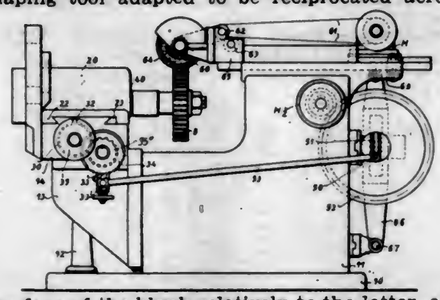
2,136,265
CONSTRUCTION OF WINGS, SURFACES, AND FUSELAGES FOR AIRCRAFT
George Edward Petty, Brough, near Hull, England, assignor to Blackburn Aircraft Limited, Brough, near Hull, England
Application October 11, 1937, Serial No. 168,468
In Great Britain October 12, 1936
8 Claims. (Cl. 244—123)



1. An aircraft body comprising, in combination, a plurality of tubular members extending longitudinally of the said body, said tubular members being of constant external size but of diminishing gauge from one end to the other, transverse formers having peripheral recesses therein shaped partly to receive the tubular members and define and maintain them in positions in which they project proud of the formers and with their outer borders shaped to conform to a required contour of the aircraft body, said formers also forming interconnections between the tubular members at opposite sides of the body, an external cover of sheet material surrounding the tubular members (having line contact with each of the tubular members) whereby the cover is shaped by the tubular members and means for attaching said cover to said tubular members.

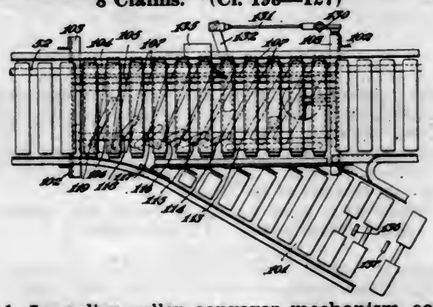
2,136,266
TEETH GENERATING MACHINE
Ernst Reinecker, Chemnitz, Germany, assignor to J. E. Reinecker, Aktien-Gesellschaft, Chemnitz, Saxony, Germany, a corporation of Germany
Application December 23, 1937, Serial No. 181,348
In Germany June 18, 1936
4 Claims. (Cl. 51—56)

1. In a machine for generating involute teeth of gear wheels a machine frame, a setting table slidably mounted thereon, and carrying the blank under treatment, means for feeding said setting table and concurrently imparting an intermittent rolling motion to said blank, a straight edged shaping tool adapted to be reciprocated across



the face of the blank relatively to the latter, and means for reciprocating said shaping tool, said feeding means being adapted to revolve the blank step by step, as the shaping tool descends relatively thereto, through progressively larger angles of rotation.

2,136,267
CONVEYER MECHANISM
William J. Taylor, Syracuse, N. Y., assignor to The Lamson Company, Syracuse, N. Y., a corporation of Massachusetts
Application July 30, 1935, Serial No. 33,847
8 Claims. (Cl. 198—127)

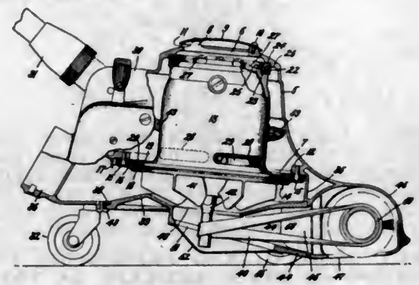


1. In a live roller conveyer mechanism comprising a plurality of rollers for transporting articles along a line and an endless driving cable one run of which is in contact with and rotates the rollers, means for deflecting articles from the line comprising means for shifting the angularity of certain rollers to change the direction of travel of the articles, said means comprising brackets in which a plurality of successive rollers are supported individually, a pivot for each bracket adjacent one end thereof, a support on which the other end rests and over which it is slidably movable and means for shifting said brackets with their rollers upon such pivots and causing them to slide over the supports thereof.

2,136,268
VACUUM CLEANER
Noble H. Watts, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application October 18, 1933, Serial No. 694,092
2 Claims. (Cl. 15—8)

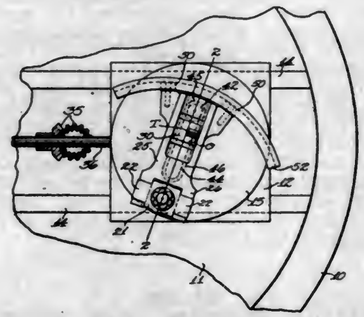
1. In a vacuum cleaner, an outer casing having a dome open at its lower end and a suction nozzle at the front of the dome, an opening in said casing below said dome opening, an electric motor

in the dome, said motor being of less diameter than said openings whereby it may be inserted through such openings into the dome without disassembling the dome from the casing, a lower resilient ring which supports the weight of the motor and holds it against transverse movement, walls forming recesses in the top wall of the dome and in the top of the motor casing, and a resilient ring in said recesses which supports the upper end of the motor.



2. In a vacuum cleaner, a casing having a dome, a suction nozzle at the front of the dome, a discharge conduit and a passage below said dome leading from the suction nozzle to the discharge conduit, a motor in the dome, a resilient ring supporting the upper end of the motor in spaced relation to the dome and sealing the space between the motor and the dome, the upper end of the motor and the dome being provided with passages for the flow of cooling air to the motor, a fan on said motor for moving cleaning air from the suction nozzle to the discharge conduit, and means including a resilient ring between the lower end of the motor and the dome for supporting the lower end of the motor and for preventing the flow of cleaning air to the motor.

2,136,269
METHOD AND MEANS FOR PRODUCING GEARS
Ernest Wildhaber, Irondequoit, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application October 17, 1936, Serial No. 106,133
18 Claims. (Cl. 90—9)



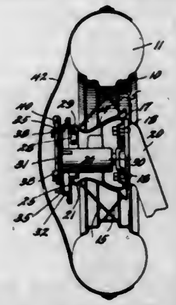
1. The method of cutting longitudinally curved tooth gears which comprises imparting a swinging movement to the cutting tool about a fixed axis while rotating the blank continuously on its axis and moving the tool to and from cutting position at opposite ends of its swinging movement so that it cuts on its movement in one direction and is out of cutting position on the return stroke.

7. In a machine for producing gears in a continuous indexing process and having means for rotating the blank continuously, a tool support mounted to oscillate about a relatively fixed axis, a tool mounted on said support, means for swinging the tool support about said axis, and means for moving the tool to and from cutting position at opposite ends of the stroke of the swinging support.

2,136,270
MANUFACTURE OF PLASTIC MASSES
Nicholas Bennett, Widnes, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application July 14, 1937, Serial No. 153,675. In Great Britain July 22, 1936
1 Claim. (Cl. 106—23)

A composition of matter comprising chlorinated rubber and the product obtained by reacting in the presence of a Friedel-Craft catalyst an aromatic hydrocarbon having at least one halogen atom attached to a nuclear carbon atom with a hydrocarbon having at least one halogen atom attached to an acyclic carbon atom.

2,136,271
MOTOR VEHICLE
Frank C. Best, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application June 30, 1934, Serial No. 733,315
3 Claims. (Cl. 224—29)

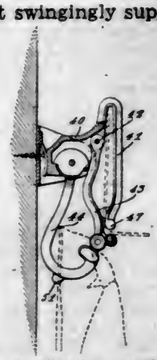


1. In a structure of the class described, the combination with a vehicle wheel having a hollow hub and constructed to receive a detachable hub cap, of a vehicle jack supporting bracket having a portion thereof constructed to conform to that portion of the hub cap received in the hub, whereby said bracket may be readily fitted to and detached from said hub, said bracket having a plurality of spring fingers for engagement with the jack to yieldingly retain the latter in position within the hub.

2,136,272
CLOTHES HOOK
Alwyn R. Bunting, Portsmouth, Va.
Application July 12, 1937, Serial No. 153,286
3 Claims. (Cl. 248—218)

1. A hook of the character described comprising relatively movable members, both movable on a common axis for opening and closing movements relative to each other, a keeper crown on one of the members and disposed over the other member at one end thereof, a latching means coacting with the crown for latching the members in opened or closed relation to each other,

a hanger bracket swingingly supporting the said



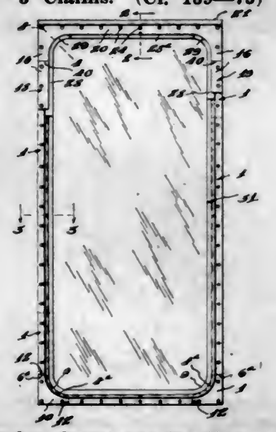
members, and an auxiliary member coactive with the members.

2,136,273

SHEET METAL WINDOW FRAME STRUCTURE AND METHOD OF FORMING THE SAME

Edward F. Chaffee and John R. Anderson, Syracuse, N. Y., assignors to The O. M. Edwards Company Inc., Syracuse, N. Y., a corporation of New York

Application March 14, 1936, Serial No. 68,914
3 Claims. (Cl. 189—75)



1. A window frame construction comprising a sheet metal main frame member formed U-shaped in general form in cross section with the channel facing edgewise of the frame member outwardly, one flange of the U formation being wider than the other, and formed with slots at the exterior angles of the rounding corners of the wider flanges, corner plates secured to the wider flanges in said slots and squaring the corners, and additional frame strips secured to and overlying the outer flange of the frame member and the corner plates and having their inner margins spaced apart from the inner margins of the wider flanges of the frame member, where they join the bottom of the frame member, thereby providing a groove for receiving glazing strips.

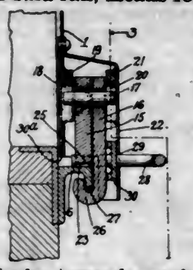
2,136,274

DOOR CONTROLLING DEVICE

George C. Christy, Chicago, Ill.

Application April 23, 1937, Serial No. 138,530
10 Claims. (Cl. 292—110)

1. A door controlling device comprising a rail along which the door travels, a holding device associated with said door having two members on opposite sides of said rail, means for moving said



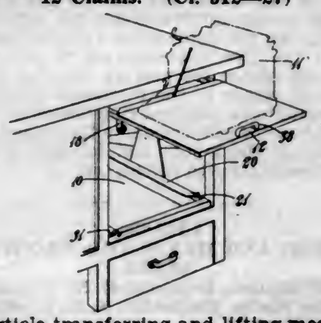
members relatively towards each other when pressure is applied to the door, to cause them to engage said rail and hold the door against movement.

2,136,275

READY STOWING AND PRESENTING FOR ACCESS OF SUCH ARTICLES AS TYPEWRITERS, SEWING MACHINES, OR OTHER APPARATUS

Alfred Montague Coleman, Charles Claude Bater, and George Arthur Lee, London, England

Application December 13, 1937, Serial No. 179,616
In Great Britain October 17, 1936
12 Claims. (Cl. 312—27)



12. Article transferring and lifting means comprising a support for the article; a supporting frame; a support carrying elevator means connected to the supporting frame and movable in a vertical sense; a lever controlling the movement of said elevator means; guide means permitting horizontal movement of said support relative to the elevator means; a rotary element borne by said frame; a connection between said element and said lever; a torsion spring resisting rotation of said element in one direction and arranged to exert through said element, connection and lever a moment equalizing and uniformly counterbalancing the movement exerted by said elevator means, support and article carried thereby on said lever throughout the whole range of vertical movement of said elevator.

2,136,276

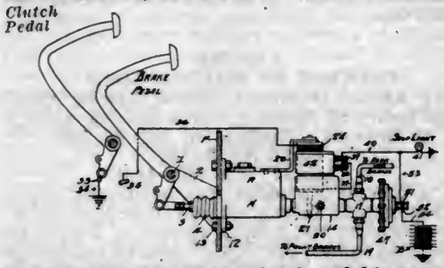
AUXILIARY CONTROL FOR HYDRAULIC BRAKES

Douglas Collins, Salisbury, N. C.

Application March 20, 1936, Serial No. 69,936
3 Claims. (Cl. 192—13)

1. In a brake holding mechanism for hydraulic vehicle-brakes employed with means for applying the brakes, and a clutch pedal; the combination of a fluid pressure control valve and valve-closing means, an electro-magnet for operating said

means, a control circuit including a source of electric current and also including the electro-magnet, a gravity-closed circuit-maker in the control circuit operative only when the vehicle is on an incline, a switch in the control circuit



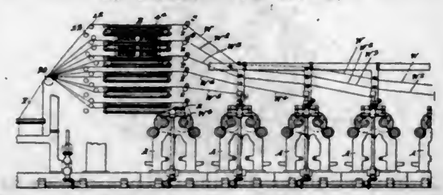
which is closed when the clutch pedal is moved to disengage a clutch, a stop-light circuit and a stop light therein connected with the control circuit, and a fluid pressure operated circuit maker in the stop-light circuit.

2,136,277

WEB ASSEMBLING MEANS FOR PRINTING PRESSES

Edmund W. Dean, Battle Creek, Mich., assignor to Duplex Printing Press Company, Battle Creek, Mich., a corporation of Michigan

Application April 19, 1937, Serial No. 137,856
15 Claims. (Cl. 270—5)



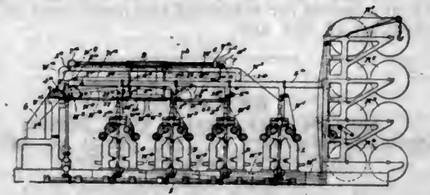
1. For a newspaper printing press adapted to print a multiple of webs; means whereby the web sections may be aligned before being folded, and adjustable means cooperating with any of said aligning means whereby any web may be diverted and led to and associated with another web before folding.

2,136,278

WEB ASSEMBLING MEANS FOR PRINTING PRESSES

Edmund W. Dean, Battle Creek, Mich., assignor to Duplex Printing Press Company, Battle Creek, Mich., a corporation of Michigan

Application April 19, 1937, Serial No. 137,857
8 Claims. (Cl. 270—5)



1. In a newspaper printing press having a plurality of printing units and a folder arranged in line; web deflecting means adjustable longitudinally of the press whereby a web from one unit may be diverted from its normal path and returned to the path of a web from another unit and associated therewith prior to folding thereof.

2,136,279

FLOWERPOT HOLDER

Thomas G. De Vilbiss, San Antonio, Tex.

Application May 22, 1936, Serial No. 81,315
3 Claims. (Cl. 248—153)



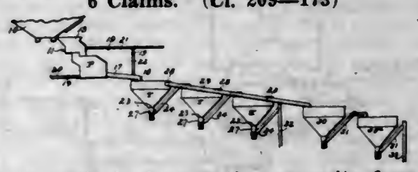
3. A receptacle holder comprising a plurality of arms, each including a strand of wire having a second strand coiled thereabout and extending from one end thereof for the major portion of its length, a sleeve having the portions of the arms that are free from the coiled strands mounted therein and disposed therethrough, with the arms radiating upwardly from the sleeve at an outward inclination, means surrounding the outer portions of the arms for holding them associated to provide a receptacle receiving portion, said sleeve having notched ends, with the arms mounted in the notches thereof, a screw extending through the sleeve and cooperating with the notches for fixing the arms to the sleeve, a bracket including inner and outer strands of wire shaped to provide a right angle arm and a brace arm bridging the right angle portions thereof, said outer strands being coiled about the inner strands, and a sleeve secured to and rising from the right angle arm and having the screw mounted therein for adjustably supporting the receptacle receiving portion in an upright position.

2,136,280

METHOD OF RECOVERING OZOCERITE

Henry Randel Dickinson, Grand Rapids, Mich.

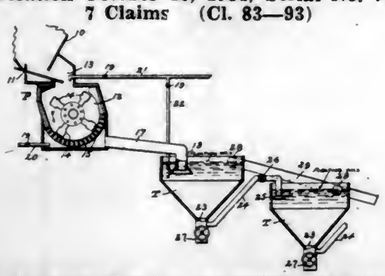
Application October 16, 1934, Serial No. 748,552
6 Claims. (Cl. 209—173)



1. A method of separating ozocerite from its ore and associated impurities comprising providing a body of water in a normally fixed location, introducing a continuously flowing stream of water and entrained ozocerite material into said body of water at a submerged position and thereby causing the lighter ozocerite particles to float upwardly through the water to the surface thereof by reason of their natural buoyancy, and simultaneously causing the heavier particles to gravitate to the bottom of the body of water, creating a normally downward movement of the water by continuously withdrawing said heavier particles by entraining them in a stream of water gravitationally withdrawing at a position lower than that at which the incoming stream is

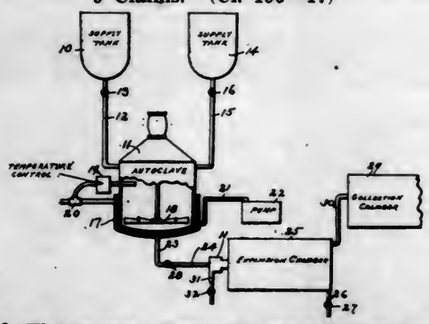
introduced, and so relatively proportioning the volumes of the inflowing and outflowing streams as to maintain the body of water at a predetermined depth.

2,136,281
APPARATUS FOR RECOVERING OZOCERITE
Henry Randel Dickinson, Grand Rapids, Mich.
Application October 16, 1934, Serial No. 748,553
7 Claims (Cl. 83—93)



3. An apparatus for recovering ozocerite from its ore and associated impurities comprising a rotatively supported drum, means for rotating the same, means for introducing pulverized ozocerite ore into said drum at one end thereof, means for introducing a stream of water into said drum at the other end thereof, means for maintaining the drum in a longitudinally tilted position, so as to accumulate a body of water at the lower end thereof, a screw flight within said drum so constructed and arranged as to agitate the pulverized material and water and to cause the pulverized particles to move toward the upper end of the drum, means at the lower end of the drum for conducting off outflowing water and floating ozocerite, means at the upper end of the drum for dewatering the tailings, and means for discharging said tailings.

2,136,282
PROCESS OF TREATING WAXES
Henry Randel Dickinson, Grand Rapids, Mich.
Application July 25, 1935, Serial No. 33,148
9 Claims. (Cl. 196—17)

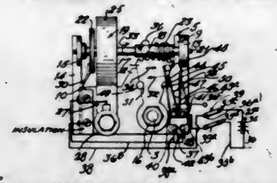


9. The process of mixing crystalline wax and amorphous material comprising melting said crystalline wax and said amorphous material and commingling them within said closed chamber while in the melted state, and independently introducing a compressible fluid into said chamber during the melting stage, and maintaining said compressible fluid under high pressure within said chamber until the melted ingredients of the mixture are completely homogenized by the pressure of said fluid and assume distinctly amorphous characteristics, withdrawing the homogenized material from the closed chamber while in a melted state and under said pressure, and pulverizing the withdrawn material by discharging it into a lower pressure atmosphere while in a melted state and in such manner as to suddenly relieve the material of said high pressure.

2,136,283
PROCESS OF MAKING SOAP
Henry Randel Dickinson, Grand Rapids, Mich., and Henry H. Moreton, Santa Monica, Calif.
No Drawing. Application July 25, 1935, Serial No. 33,149
5 Claims. (Cl. 260—413)

1. A process of making soap comprising creating a positively flowing stream of heated lye solution, causing the flowing stream of heated lye solution to induce the flow of a liquid containing fat constituents, and effecting saponification by causing the two flowing streams to mix and then to be atomized by being discharged into space through an atomizing orifice, the mixing stage being effected back of but closely adjacent to said orifice.

2,136,284
ELECTRICALLY OPERATED SHIFTING MECHANISM
Angel M. Diez and Trude Neuhaus May, Mexico, D. F., Mexico
Application November 30, 1936, Serial No. 113,492
In Mexico October 6, 1936
3 Claims. (Cl. 240—61.9)



2. In a headlight shifting mechanism, a rotatable post for carrying the headlight, an oscillatory toothed arm of segmental contour fixed to the post for rotating the latter in opposite directions, a reversible electrically operated motor structure including a worm for oscillating said arm, a power line having interposed therein a reversible switch, a motor operating circuit, a current travel control and automatic current cut-off structure electrically connected to said operating circuit and to said power line, and a controller for said structure, said controller being carried by said arm in proximity to one side edge and the teeth thereof, said arm being provided in its side edges with recesses disposed in transverse alignment with respect to the arm, and a pair of spaced stops arranged in offset relation with respect to each other for selectively engaging in a recess for arresting the movement in one direction of the arm.

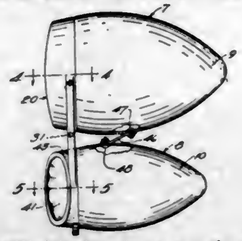
2,136,285
HEADLIGHT
Angel M. Diez, Mexico, D. F., Mexico
Application January 27, 1938, Serial No. 187,301
In Mexico December 15, 1937
2 Claims. (Cl. 240—7.1)



1. In a headlight for automotive vehicles, an open front casing, a transparent closure element

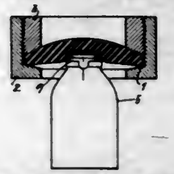
of disc-like form for and disposed completely forwardly of said open front, said element having as inherent parts thereof forming an inner and outer circular lens disposed at opposite inclinations and arranged at the front of the casing, said inner lens being of greater area than the outer lens, a pair of oppositely inclined reflectors of parabola form within the casing, each reflector for correlation with a lens and having the diameter at its outer end substantially the same as the diameter of the lens with which it is correlated, said reflectors disposed in juxtaposition to the inner face of said element, a light source carried by each reflector, the light source carried by that reflector correlated with the lens of greatest area being constructed to provide a light beam of greater candlepower and intensity than the light provided by the other of said light sources, each lens, its correlated reflector and the light source carried by the latter providing an independent light beam reflecting and projecting unit, said units being disposed in oppositely extending inclined planes directed through the open front of the casing, the unit including the lens of greater area directed to the right and the plane of the other of said units to the left.

2,136,286
HEADLIGHT STRUCTURE
Angel M. Diez, Mexico, D. F., Mexico
Application January 27, 1938, Serial No. 187,302
In Mexico December 15, 1937
4 Claims. (Cl. 240—7.1)



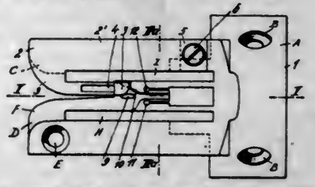
1. In a headlight structure, a pair of open front horizontally extending superposed casings, each having an annular inset front terminal portion of uniform diameter and length, a pair of oppositely laterally inclined superposed combined illuminating, reflecting and projecting devices, the lower one of said devices being inclined downwardly, each of said devices mounted in and extended from the front of a casing and consisting of a parabolic reflector, a light source carried by the latter and a lens at the front of and extended laterally from the reflector, a pair of oppositely disposed superposed combined coupling and setting structures of substantially truncated conoidal contour secured upon and extended from said portions for coupling said devices to said portions and for coupling said devices with said casings, each of said structures bearing against a reflector and spaced from the inner face and overlapping the marginal part of the outer face of a lens, each of said structures being tapered from the transverse median of one side to the transverse median of its other side, the upper one of said structures fixedly maintaining that device, with which it is correlated at a lateral outward inclination with respect to the longitudinal median of the upper casing, the lower one of said structures fixedly maintaining the device, with which it is correlated at a lateral inward and at a downward inclination with respect to the longitudinal median of the lower casing, means for connecting said structures together, and means for connecting said casings together.

2,136,287
APPARATUS FOR CLOSING A BOTTLE OR A SIMILAR CONTAINER WITH A CAPSULE
Niels Jorgen Oluf Jensen Ebbedal, Copenhagen, Denmark
Application July 6, 1937, Serial No. 152,242
In Denmark July 9, 1936
1 Claim. (Cl. 226—85)



In an apparatus for fixing sealing capsules over container necks, the combination of a resilient gripping block having a considerable thickness compared with its superficial area and cylindrically recessed on its underface to receive the container neck and the capsule-closure supported thereon, with a rigid holder provided at its inside with a groove loosely retaining the edge of the block therein, and the diameter of the recess being small relative to the diameter of the block, whereby the said holder will arch freely when pressed onto the container and the walls of the recess will be contracted by said arching movement to force the capsule skirt against the exterior on the container neck.

2,136,288
THROAT PLATE FOR SEWING MACHINES
Fritz Ebert, Oberndorf-on-the-Neckar, Germany, assignor to Mauser-Werke A. G., Oberndorf-on-the-Neckar, Germany, a joint-stock company of Germany
Application January 23, 1935, Serial No. 3,168
In Germany January 29, 1934
3 Claims. (Cl. 112—260)

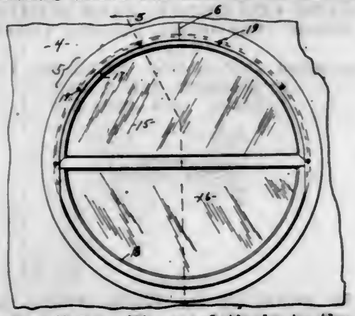


1. A throat-plate for sewing machines comprising a body portion, a pair of arms formed with and extending from said body portion, said arms being arranged parallel to one another to provide a feed channel therebetween and each having their upper faces lying in a plane flush with that of the upper face of said body portion, a hem fold guide member flexibly connected to one of said arms, an adjustable guide member connected to the other of said arms and the last mentioned arm having needle openings arranged therein.

2,136,289
ROTATABLE WINDOW CONSTRUCTION
Oliver M. Edwards, Syracuse, N. Y., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y., a corporation of New York
Application August 29, 1936, Serial No. 98,560
5 Claims. (Cl. 189—64)

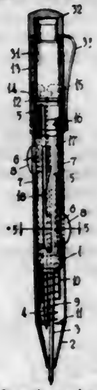
1. In a window construction, the combination of a circular window frame, part-discoidal sashes independently mounted in the frame and complemental to each other, one of the sashes being

rotatably mounted at the periphery in the frame and shiftable about the axis of the frame into



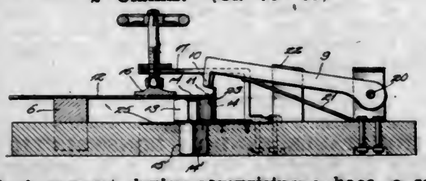
different radial positions relatively to the other sash and the frame, and being entirely free of, and unsecured to the other sash.

2,136,290
INTERCHANGEABLE LEAD PENCIL
Kurt Fend, Pforzheim, Germany
Application June 3, 1936, Serial No. 83,394
In Germany June 11, 1935
10 Claims. (Cl. 120—14)



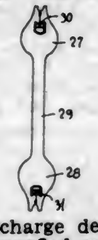
1. A lead pencil having interchangeable lead holders, means for individually shifting said lead holders to working position and for locking them in such position, and means for releasing the locking means upon the movement of another lead holder toward working position.

2,136,291
SAW SET DEVICE
Daniel S. Forester, Pennington Gap, Va.
Application May 25, 1937, Serial No. 144,704
2 Claims. (Cl. 76—65)



1. A saw-set device comprising a base, a saw support secured to said base, a bracket mounted on said base and having spaced connected arms extending towards said support, an anvil provided with a plurality of tooth faces of different inclinations and detachably mounted on said base between said bracket and said support, a die-bar detachably hinged to said base and extending over said anvil and between said arms, said die-bar fashioned with a die formed on one end thereof and normally disposed above one of the faces of said anvil for coaction therewith to set a saw tooth, a clamp adjustably mounted on said connected arms for clamping a saw to said anvil on the top thereof and in a manner to maintain a saw tooth over an inclined face of said anvil against relative movement therewith, a spring connected to said base and said die-bar for normally maintaining said die in raised position over said anvil, and a member carrier by said base for limiting the movement of said die-bar away from said anvil to preclude accidental dislodgement of said anvil from an adjusted position on said base, said die-bar readily detachable from said base whereby to permit said anvil to be adjusted for aligning any one of said faces with said die for setting a saw tooth in conformity with a selected face.

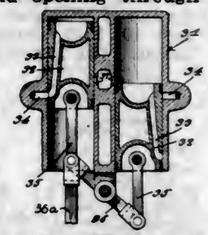
2,136,292
ELECTRIC DISCHARGE DEVICE
Dénes Gábor, Rugby, England
Application April 29, 1936, Serial No. 77,027
In Great Britain April 29, 1935
11 Claims. (Cl. 176—126)



1. An electric discharge device, with an envelope containing rarefied gaseous substances, comprising at least one electron beam source with an inner discharge space corresponding with the outer discharge space only through openings of a body or plasmafilter, which consists on its surface exposed to the outer discharge space and to the electron beams of insulating material, with a source of slow electrons at a distance of several mean free paths of molecules from the plasmafilter, the area of the electron source and its emissivity being so large as to supply the operating current up to an averaged current density in the openings of the plasmafilter of at least 0.25 ampere/cm² at the minimum ionic supply, which is a proportion of the electron current emitted expressed by the square foot of the ratio of electronic and ionic masses, the openings of the filter being so restricted as to preclude the formation of an ionizing discharge in the inner space.

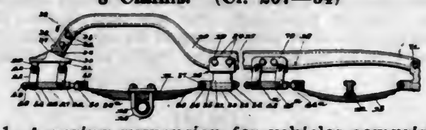
2,136,293
INTERNAL COMBUSTION ENGINE
Hermond G. Gentry, Lake Village, Ark.
Application November 23, 1936, Serial No. 112,418
1 Claim. (Cl. 123—59)

An injector for a two cycle internal combustion engine comprising a pair of pump cylinders having intake ports, a pair of power cylinders, pistons reciprocating in said cylinders and opening and closing the intake ports, said cylinders each having an outlet port disposed adjacent an intake port and passages from said pump cylinders and communicating with an intake port of an adjacent power cylinder which is disposed adjacent the outlet port thereof and the piston of each cylinder adapted to close the outlet port therein communicating with the intake port of the adjacent power cylinder when the piston in the adjacent cylinder nears the completion of its compression stroke, and each piston formed with a passage having an end opening outwardly through the head thereof into its respective cylinder and the other end opening through one side and



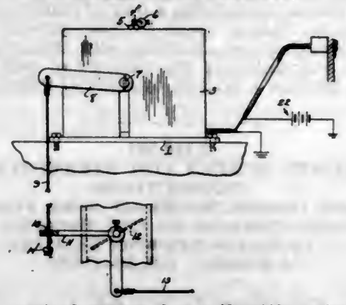
adapted to register with the outlet port as the piston nears the completion of its compression stroke for forcing the compressed fuel into the cylinders of the engine.

2,136,294
SPRING SUSPENSION
John Louis Gonard, Englewood Cliffs, N. J.
Application February 21, 1938, Serial No. 191,812
8 Claims. (Cl. 267—54)



1. A spring suspension for vehicles comprising a frame, a leaf spring, means for swiveling one end of the spring on the frame, means for rockably and swingably mounting the other end of the spring on said frame and including a plate secured to the frame, pairs of ears depending from the plates, shackles swingable from the ears, a bearing swingably supported from the free ends of the shackles, a pivot pin rockably mounted in the bearing, and means pivotally connecting one end of the pin with the second-mentioned end of the spring.

2,136,295
THROTTLE VALVE CONTROL MEANS FOR INTERNAL COMBUSTION ENGINES
Frank J. Hansen, Omaha, Nebr., assignor of one-half to James C. Valentine, Sioux City, Iowa
Application June 15, 1936, Serial No. 85,367
4 Claims. (Cl. 137—139)

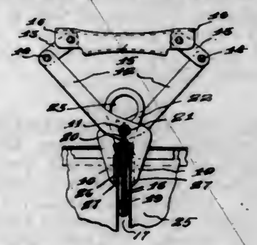


1. A control means for a throttle valve of an internal combustion engine comprising a mounting, a shaft journaled on said mounting, an arm secured to said shaft, means connecting said arm to a throttle valve of an engine and adapted to permit free closing of the valve and to variably limit the opening of the valve, means acting to rotate the shaft in a direction to close the valve, means for releasably securing the shaft against rotation by the action of said second-named means, a closure for said second and third-named means and releasably secured to the mounting, and a seal to prevent unauthorized removal of said closure.

2,136,296
NITROGEN-CONTAINING CELLULOSE DERIVATIVES
Vernal R. Hardy, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 31, 1936, Serial No. 61,842
15 Claims. (Cl. 260—152)

1. The process which comprises reacting an aromatic sulfonic ester of a hydroxyalkyl cellulose with a secondary aliphatic amine containing not more than six carbon atoms, until a product is obtained which is soluble to the extent of at least one part in 99 parts of aqueous acetic acid of some concentration in the range of 1.5 to 20%.

2,136,297
CONTAINER LIFTER
Reed S. Harris, San Francisco, Calif., assignor to Oswego Falls Corporation, Fulton, N. Y., a corporation of New York
Application April 7, 1937, Serial No. 135,538
2 Claims. (Cl. 294—28)

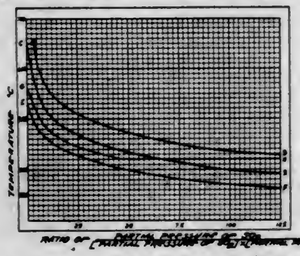


1. A container lifter comprising a pair of opposed jaws pivotally joined together and having arm portions diverging upwardly from said pivot point, a handle member pivotally secured to the outer ends of said arms and being operable upon movement toward and from said pivot to effect movement of said jaws about said pivot, a plate member movably mounted on said pivot and depending between said jaws, a plate operating member movably mounted on said pivot and extending upwardly from the pivot between the arm portions of the jaws toward the handle member, and being provided at its upper end with a finger receiving aperture, said operating member being cooperable at its lower end with said plate to effect movement of the same about the pivot independently of the jaws.

2,136,298
MANUFACTURE OF SULPHURIC ACID BY THE CONTACT PROCESS
Charles Frederick Reed Harrison, Arthur Maurice Clark, and Charles Lacy Hilton, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
Application February 29, 1936, Serial No. 66,496
In Great Britain February 28, 1935
5 Claims. (Cl. 23—175)

1. A process for the production of sulphur trioxide which comprises passing a gaseous mixture containing sulphur dioxide and oxygen over a catalyst arranged within at least four stages, the percentage conversion of the initial sulphur dioxide in the first stage not exceeding 50%, and in each of the succeeding stages not exceeding 25%, the total conversion ranging between ap-

proximately 70% and approximately 90%; maintaining the maximum temperature in each stage subsequent to the first stage within the limits defined by the curves A—B and C—D of the graph shown as Fig. 1 in the accompanying drawings, at the point on the abscissa of said graph corresponding to the value of the ratio of the gaseous mixture obtaining in the stage, said value being determined in accordance with



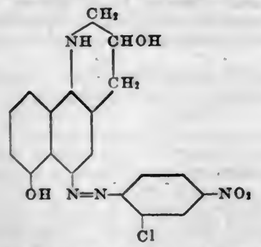
the definition of the abscissa in said drawings; maintaining the inlet temperature in each stage after the first above the limit defined by curve E—F of said graph at the point on the abscissa corresponding to the gaseous mixture obtaining in the stage; and regulating the composition of the initial gaseous mixture so that it contains at least 20% of sulphur dioxide, and of the remaining gases at least 21% consists of oxygen, calculated on a water-free basis.

2,136,299
AMINOCELLULOSE DERIVATIVES
Joseph F. Haskins, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 31, 1936, Serial No. 61,806. In Switzerland June 20, 1935
39 Claims. (Cl. 260—152)

1. The process which comprises reacting an organic solvent solution of a pyridine soluble cellulose aryl sulfonate having at least 0.5 aryl sulfonate group per C_6 unit of the cellulose, with a monoamine having at least one hydrogen attached to the amino nitrogen which amino nitrogen is in turn attached only to aliphatic carbon, until a product is obtained which contains at least 0.5 amino nitrogen atom per C_6 unit of the cellulose and is soluble in at least the stoichiometrical amount of 5% aqueous acetic acid.

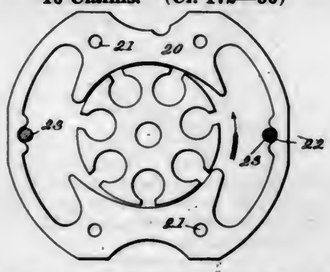
2,136,300
AZO DYESTUFFS
Johann Heinrich Helberger, Cologne-Mulheim, and Heinrich Ohlendorf, Dessau, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application October 12, 1935, Serial No. 44,799. In Germany October 20, 1934
2 Claims. (Cl. 260—155)

1. The dyestuff of the following formula:



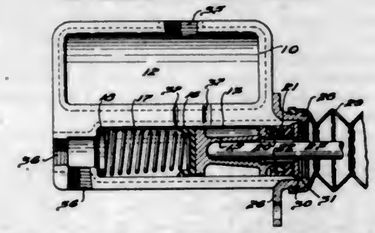
dyeing cellulose acetate silk bluish-green shades.

2,136,301
DYNAMO-ELECTRIC MACHINE
Joseph S. Hoddy and George W. Hoddy, Flint, Mich., assignors to A. G. Redmond Co., Flint, Mich., a corporation of Michigan
Application August 10, 1937, Serial No. 158,422
16 Claims. (Cl. 172—36)



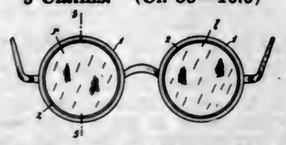
1. In a fractional horse-power motor, a casing having end walls, self-centering bearings carried by said end walls, an armature shaft mounted in said bearings, a laminated two pole field yoke mounted in said casing and having leading and trailing pole tips, the air gap under the leading pole tips being opened to approximately from five to seven times the width of the normal air gap.

2,136,302
HYDRAULIC BRAKE CYLINDER AND METHOD OF MAKING SAME
John W. Leighton, Port Huron, Mich.
Application February 15, 1936, Serial No. 64,048
12 Claims. (Cl. 29—152.1)



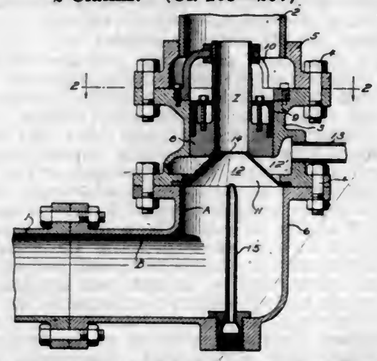
9. The method of forming a master cylinder construction for use in hydraulic brake systems which comprises forming a pair of stampings having mating flanges which together provide a cylinder therebetween, welding said stampings together and finishing the interior of said cylinder to provide a smooth cylindrical interior surface.

2,136,303
COLORED SCREEN FOR STEREOSCOPIC PROJECTIONS
Louis Lumière, Neuilly-sur-Seine, France
Application December 17, 1935, Serial No. 54,928
In France November 22, 1932
5 Claims. (Cl. 88—16.6)



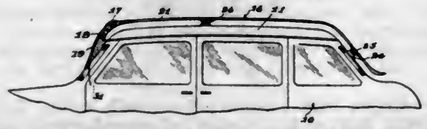
1. A pair of complementary color screens for use in filtering the two images of a stereoscopic couple, one of said screens having a transparency restricted to a band of wave lengths of the spectrum ranging from approximately 550 to 640 millimicrons; and the other of said screens having a transparency restricted to two bands of wave lengths of the spectrum, one band ranging approximately from 400 to 550 millimicrons, and the other band ranging approximately from 640 to 700 millimicrons, and means for supporting said screens with their axes laterally spaced for passing the light of the first mentioned band to one selected position and the light of the other two bands to another selected position.

2,136,304
STEAM JET
Roy G. Lundy, St. Louis, Mo.
Application September 20, 1937, Serial No. 164,790
2 Claims. (Cl. 103—267)



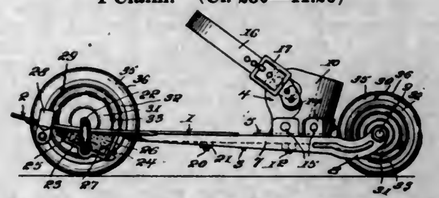
1. A steam jet for lifts comprising a housing adapted to be connected into a conveyor tube and having an annular steam chamber connected to a steam supply, a sleeve having a uniform internal diameter extending downwardly in said housing and closing the upper portion of the housing, said sleeve being located centrally of the steam chamber, an inverted substantially conical-shaped member mounted in said housing and extending into the steam chamber from the lower end of the housing and having an orifice in alignment with the sleeve and spaced from the lower end of said sleeve to provide a conical-shaped passage between the steam chamber and the sleeve whereby steam discharging from the steam chamber into said sleeve will be in a conical-shaped flow for producing greater pressure adjacent the walls of said sleeve than axially thereof, and a steam nozzle for discharging steam axially through said conical-shaped member and axially through said sleeve with its discharge end located below the orifice of the inverted substantially conical-shaped member.

2,136,305
RADIO ANTENNA
Harry A. MacFarlane, Marinette, Wis.
Application July 6, 1936, Serial No. 89,182
1 Claim. (Cl. 250—33)



In combination with a vehicle body provided with a metal top, a windshield structure having a center parting strip and a rear window structure; an antenna and substantially rigid insulated supporting means therefor, said antenna comprising an elongated member having a configuration in side elevation coincident with the configuration of the top and rear window structure, said supporting means including a front insulating member abutting against the front end of the elongated member and fixedly secured to said front end and projecting downwardly along said parting strip, said front insulating member forming a continuation of the elongated member and holding said front end against vibration relative to the vehicle, and a lead-in wire connected to the front end of said elongated member and projecting downwardly through said front insulating member.

2,136,306
ROLLER SKATE
David A. McCloy, Stratford, Ontario, Canada
Application May 22, 1936, Serial No. 81,327
1 Claim. (Cl. 280—11.26)



In a skate structure, a frame comprising interfitting heel and toe portions, said toe portion fashioned with a longitudinally extending arcuate-shaped web terminating at the sides thereof in oppositely disposed flanges, said heel portion fashioned with a longitudinally extending arcuate-shaped web receiving said first mentioned web therein and terminating at the sides thereof in depending flanges extending in antiparallelism with said first mentioned flanges; the jointures of the flanges to one web seated within the jointures of the flanges to the other web whereby to maintain said webs in seated condition against relative creeping movement when connected together, said depending flanges extending longitudinally of said frame and terminating beyond one end of the web thereof in spaced arms adapted to secure a roller therebetween and coacting with said webs to reenforce said frame intermediate of the ends thereof, and means connecting said webs together whereby said portions are adjustable lengthwise relative to each other.

2,136,307
COMBINATION SWITCH MECHANISM
Edmond Michel, New Orleans, La., assignor to Larmloc Corporation, New Orleans, La., a corporation of Louisiana
Original application September 16, 1935, Serial No. 40,844, now Patent No. 2,082,806, dated June 8, 1937. Divided and this application March 10, 1936, Serial No. 68,124
5 Claims. (Cl. 200—43)



1. A switch of the class described including a plurality of fixed contacts, a plate having movable contacts arranged to engage adjacent fixed contacts to close a predetermined circuit, said

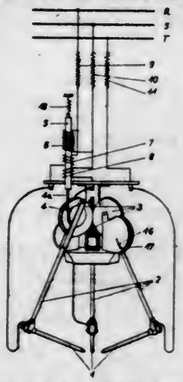
plate and movable contacts being rotatable relative to the fixed contacts whereby the movable contacts may be selectively brought into registration with the fixed contacts, and means for actuating the movable contacts to bring them into engagement with their adjacent fixed contacts to close the circuit.

2,136,308
METHOD OF AND APPARATUS FOR PRODUCING RECEPTACLES AND THE LIKE
Karl H. Miller, Green Bay, Wis., assignor to Kimberly Stuart, Neenah, Wis.
Application October 23, 1936, Serial No. 107,294
11 Claims. (Cl. 93—60)



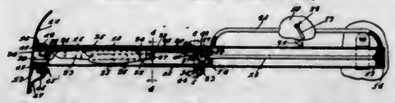
1. In an apparatus for making receptacles of sheet material having a closed bottom, a side wall and a peripheral flange, a pair of dies mounted for movement toward and away from each other and having cooperating faces for forming said bottom and side wall of said receptacle when a blank is clamped between them, one of said dies having a die ring mounted for movement with respect thereto, said die ring cooperating with a face on said other die to form said flange on said receptacle when said dies are moved a predetermined distance toward each other and prior to clamping said receptacle between said dies, said one die also having a peripheral surface for bending over said flange when said dies are moved a further distance toward each other, said die ring being operable to resiliently maintain said flange in contact with the cooperating face on said other die and undergoing movement with respect to said one die when said dies are moving said further distance.

2,136,309
ARC LAMP
Arthur Müller, Leipzig-Leutzsch, Germany, assignor to the firm Korting & Mathiesen Aktiengesellschaft, Leipzig-Leutzsch, Germany
Application December 13, 1937, Serial No. 179,522
In Germany December 24, 1936
5 Claims. (Cl. 176—53)



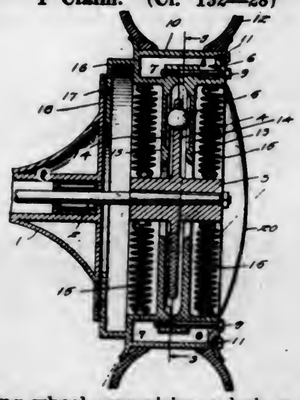
2. In an arc lamp for three phase alternating current, the combination comprising three interengaging gears arranged relatively at 120°, three electrode holders disposed relatively at obtuse angles, said holders being pivotally connected to said gears and being provided with guide means, and magnetic means responsive to variations in the electrical values of the arc connected to said gears for turning the same to regulate the gap between said electrodes.

2,136,310
DIRECTIONAL SIGNAL
Arthur M. Nielsen, Buffalo, N. Y.
Application May 10, 1937, Serial No. 141,835
1 Claim. (Cl. 116—41)



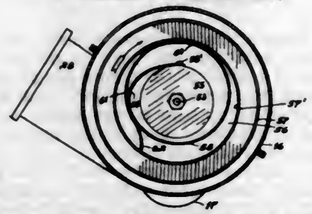
A directional signal comprising a cylinder adapted to be secured substantially horizontal in concealed position on a motor vehicle, a tubular member telescopically assembled with said cylinder, means for projecting said member from said cylinder and withdrawing said tubular member into said cylinder, said tubular member being cut away at an outer portion thereof, a flexible rubber hand folded upon itself and carried by said tubular member at said cut away portion, a pivot shaft extending transversely of the tubular member, a sleeve loose on said shaft, fingers connected to opposite sides of the sleeve and imbedded at the free ends in a folded portion of the hand for unfolding the hand and expanding the hand when the sleeve is rocked, a crank connected to the sleeve, a push rod connected to the crank, a post rockably connected to the tubular member and connected to the push rod, a stationary member connected to the cylinder at the outer end thereof and adapted to engage and rock said post when the tubular member is projected from the cylinder to move the push rod for operating said fingers, and a spring connected to said push rod and to said tubular member for normally holding the push rod in neutral position to hold the hand collapsed in folded condition and concealed within the tubular member.

2,136,311
AUTOMOBILE SPRING WHEEL
Oscar B. Olson, St. James, Minn.
Application July 22, 1936, Serial No. 91,997
1 Claim. (Cl. 152—28)



A spring wheel comprising a hub, a disc fixed to said hub, a felly loosely disposed about said disc, a pair of spaced apart annular plates fixed to said felly and disposed on opposite sides of said disc, contractile springs secured to said felly and said hub on opposite sides of said plates, said springs resiliently supporting said felly about said hub, bearing elements carried by said plates engaging opposite sides of said disc to movably hold said disc between said plates, each of said plates having a guide groove on the side thereof confronting said disc, and a ball carried by said disc engaging in said guide grooves to hold said plates against rotary movement relative to said disc while permitting movement of said plates in a direction at right angles to the axis of said hub.

2,136,312
VACUUM CLEANER
Paul E. Page, Montreal, Quebec, Canada, assignor to Louis R. Desmarteaux, London, Ontario, Canada
Application September 16, 1936, Serial No. 101,019
In Canada March 16, 1936
8 Claims. (Cl. 15—18)



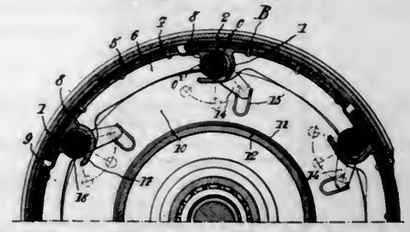
3. In a vacuum cleaner, the combination with a fan and a non-reversing traction drive therefor, of a disc positively driven by said drive, an independently journalled flywheel having a recess providing an annular surface around the disc, a spiral spring disposed in the recess and having an inner coil secured to the disc and then bent into an outward bulge, said spring being continued into an outer coil engaged with the said annular surface and then inwardly curved into contact with the said outward bulge with its end portion curved outwardly into engagement with said annular surface, whereby the engagement of the outward bulge of the inner coil with the inwardly curved portion of the outer coil functions to lock the flywheel to the disc when the traction drive ceases to operate.

4. In a vacuum cleaner, the combination with a fan and a traction drive therefor, of a flywheel journalled for rotation independently of the fan and having an annular surface, and a centrifugal element pivoted to the fan to swing radially therefrom and having a curved face for contact with and rearwardly receding from the annular surface aforesaid, said centrifugal element having a centre of gravity located rearwardly of its pivotal point with respect to forward rotation whereby it is urged into driving engagement with the flywheel in the operation of the fan so as to lock therewith when the traction drive ceases to operate in order to serve to transmit the stored energy of the flywheel back to the fan.

2,136,313
COATING COMPOSITION
Gordon Derby Patterson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 4, 1936, Serial No. 94,287
6 Claims. (Cl. 134—58)

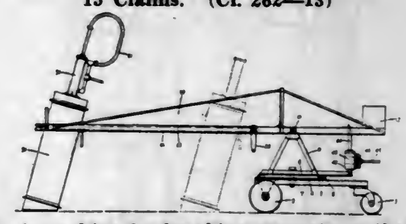
1. A composition of matter comprising a pigment having deposited thereon a dispersion control agent selected from the class consisting of acid esters of polycarboxylic acids with aliphatic monohydric alcohols having at least 8 carbon atoms, and salts of such esters, the sole salt-forming group in said esters being the carboxyl group.

2,136,314
DEVICE FOR EXERTING A FRICTIONAL ACTION
Jean Emile Petit, Levallois-Perret, France
Application September 26, 1935, Serial No. 42,336
In Belgium September 27, 1934
7 Claims. (Cl. 188—78)



1. A device of the class described comprising a brake drum, a plurality of brake shoes disposed within said drum for movement in a radial direction with respect thereto, means for moving said brake shoes coacting with at least one end of each of said brake shoes, said means including eccentrically pivoted sleeves, a control member, and interconnecting means between said first means and said control member, said interconnecting means comprising levers which extend from said sleeves at right angles to the plane of the axes of the outer surface of said sleeve and of the pivot of said sleeve whereby a force exerted by said control member upon said levers causes the transmission of a force to said brake shoes in any operating position of said levers which always bears the same proportion to the force exerted on the levers.

2,136,315
MACHINE FOR BREAKING CONCRETE
Walter Richard Pettit, London, England
Application November 22, 1937, Serial No. 175,957
In Great Britain November 4, 1936
15 Claims. (Cl. 262—13)

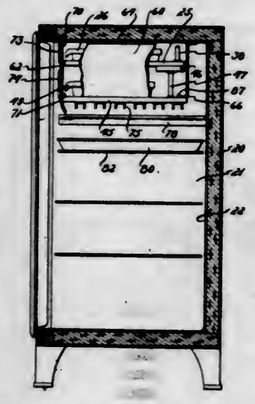


1. A machine for breaking concrete or the like comprising a sound-proof casing movable to contact with and enclose an area of the surface being drilled, a percussive tool within the sound-proof casing and operable to drill within the enclosed area, and a mobile frame having a pivotable jib member, said casing being movable along said jib member.

2,136,316
REFRIGERATING APPARATUS
Lawrence A. Philipp, Detroit, Mich., assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application April 20, 1933, Serial No. 666,944
Renewed January 24, 1935
11 Claims. (Cl. 62—95)

2. Refrigerating apparatus comprising, in com-

bination, a refrigerated shelf for freezing substances, a refrigerated shelf located directly below the first shelf, and means for operating the second shelf at least part of the time at temperatures above the freezing point of water, said



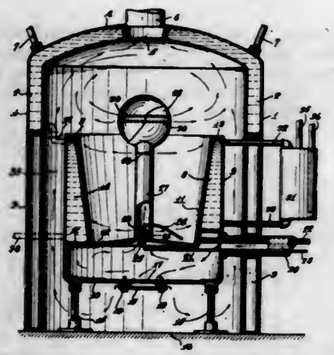
second shelf having an air cooling portion and being provided with a surface for supporting frozen substances immediately below the first named shelf to thereby maintain said substances in a frozen condition by the refrigerating effect of the first named shelf.

2,136,317

OIL BURNING FURNACE

Cominardo Rialdini, Philadelphia, Pa.

Application November 18, 1937, Serial No. 175,315
3 Claims. (Cl. 158—91)



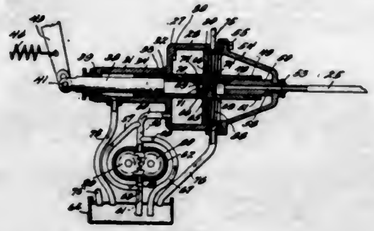
1. An oil burning furnace, comprising a casing, a fire pot in the casing and supported above the bottom thereof, said fire pot having a bottom having a central air inlet opening, means forming an air chamber beneath the bottom of the pot and having said opening communicating therewith, means in the pot for receiving air from said opening, and carrying it upwardly and discharging it in spaced horizontal planes in and above the fire pot, means for introducing air into said chamber, means for delivering fuel liquid into the fire pot, said pot and chamber being spaced from the casing providing an air passageway surrounding the pot, an outlet in the casing above the pot for the escape of fuel gases, and a damper controlled air outlet in the bottom of said chamber.

2,136,318

HYDRAULIC BRAKE SYSTEM

Peter F. Rossmann, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application November 14, 1934, Serial No. 753,053
6 Claims. (Cl. 60—52)



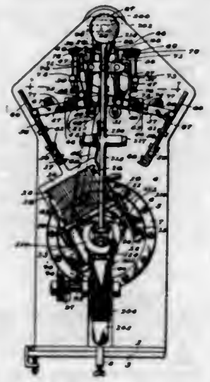
1. In a fluid operated brake system for motor vehicles, the combination with a power driven fluid pump, of a fluid motor comprising a cylinder and a piston reciprocable therein and operable by fluid delivered by said power pump, a second fluid pump comprising a cylinder and a piston reciprocable therein and operable as a unit with said motor, an initially open discharge passage for fluid from said motor cylinder adapted to be closed on relative movement of said motor cylinder and piston, a second initially open discharge passage for fluid from said motor cylinder, manually operable means for closing said second discharge passage and initiating relative movement of said motor cylinder and piston to close said first discharge passage, and means, including trapped fluid, transmitting thrust between said manually operable means and said second pump whereby the latter may be manually displaced independently of said first pump.

2,136,319

SLICING MACHINE

George A. Schmitt, Boise, Idaho

Application January 7, 1936, Serial No. 57,971
15 Claims. (Cl. 146—78)



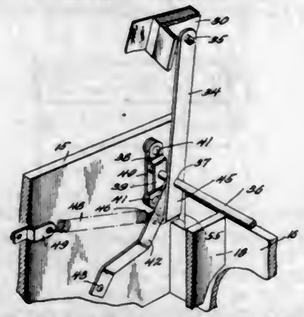
1. In a slicing machine, the combination of a reciprocal knife, a movable support for said knife, a pair of relatively separated reciprocatory bars arranged adjacent the support, and means for moving the knife support to alternately shift said knife into active engagement with the reciprocatory bars.

2,136,320

SOFA BED

Robert W. Schwab, Jr., and William Parks Rocker, Atlanta, Ga., assignors to Southern Spring Bed Company, Atlanta, Ga., a corporation of Georgia

Application August 11, 1937, Serial No. 158,564
2 Claims. (Cl. 5—47)



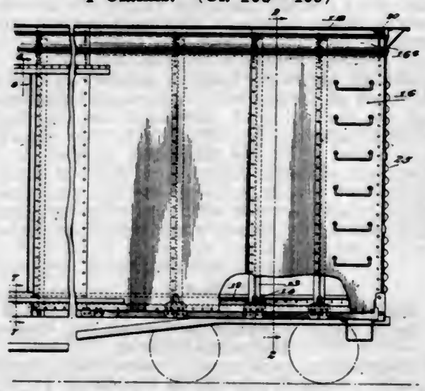
1. In a sofa-bed of the type described, in combination, a stationary base of box-like form, a seat unit independently slidable on said base to give access to the box for storage purposes, a back unit comprising a frame, springs and upholstery on the forward face only of said frame, a pair of levers each having one end pivoted intermediate the ends of the corresponding end frame members of said back unit, said levers being permanently attached to a rod, said rod extending longitudinally of said base, pivots for said rod secured to the end members of said base, reinforcing brackets also secured to the base end members and drilled to receive said rod, the levers being extended below said rod and having offset portions for cooperation with said brackets to limit rearward movement of the upper ends of said levers.

2,136,321

STEEL CAR CONSTRUCTION

Charles J. Scudder and Edwin M. Jenkins, Scranton, Pa.

Application August 21, 1935, Serial No. 37,226
4 Claims. (Cl. 105—409)



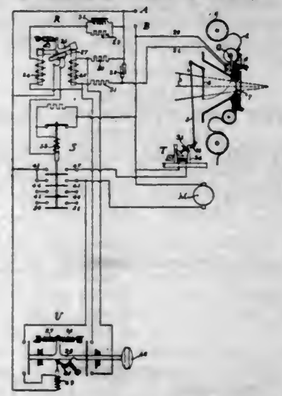
1. A steel car construction comprising an under frame having side sills, upright frame members secured to said sills having extensions bent inward towards each other to abutting relation and secured together to constitute supports for the sides and roof of the car, continuous sheathing secured to said frame members at each side also bent inward over said frame bars to form the roof, said sheathing terminating in upwardly and then horizontally turned extremities short of the transverse center of the car, a runningboard resting upon and secured to the horizontal extremities of said sheathing constituting with such sheathing a unitary roof sheet for the car providing a ventilating channel extending the length of the car, there being openings through the car ends registering with such channels, and an inner sheathing secured to said frame members, said ventilating channel serving to ventilate the space between the inner and outer sheathings in the manner set forth.

2,136,322

FIRE PROTECTING DEVICE WITH FILM PROJECTORS IN CINEMAS

Peter Sebastiani, Ueberlingen, Bodensee, Germany

Application October 14, 1936, Serial No. 105,598
In Germany November 11, 1935
9 Claims. (Cl. 88—17)



8. An electric device for automatically operating a fire protecting shutter in a motion picture projector, comprising an electromotive actuator for operating the fire protecting shutter, an electric circuit for said actuator, an automatic control switch in said circuit, a second electric circuit connecting to a source of direct current, a current interrupter in said circuit intermittently driven in dependency on the speed of the film, a condenser shunting said circuit for converting the interrupted direct current from said interrupter to alternating current of a frequency determined by the speed of the film, an electromagnetic relay in said circuit receiving alternating current from the condenser, said relay operating in dependency on frequency changes of the alternating current to control the automatic switch and causing said switch to maintain the fire protecting shutter closed when the film speed is below a predetermined level.

2,136,323

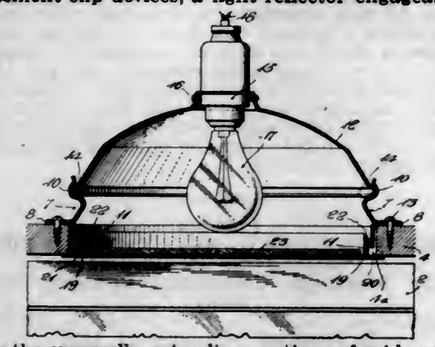
ILLUMINATION MEANS FOR REVOLVING DOORS

John W. Shields, Evansville, Ind., assignor to International Door Company, Evansville, Ind., a corporation of Illinois

Application April 28, 1938, Serial No. 204,846
12 Claims. (Cl. 240—2)

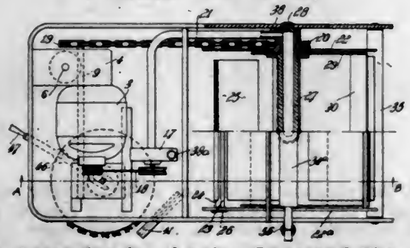
1. In combination with the ceiling structure of a revolving door, a ceiling apertured for the inclusion of an illuminating device therein, a set of resilient clip devices each having upwardly

extending portions and downwardly extending portions, a ceiling ring detachably engageable in the downwardly extending portions of said resilient clip devices, a light reflector engageable



by the upwardly extending portions of said resilient clip devices, a lamp supported centrally of said reflector, and a light modifier supported by said ceiling ring in the path of light rays from said lamp.

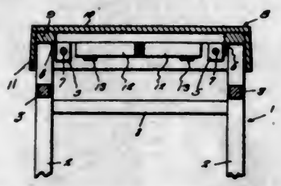
2,136,324
APPARATUS FOR CLEANSING FLOORS AND LIKE SURFACES
Louis John Simon, Barking, England
Application September 3, 1935, Serial No. 39,001
In Great Britain September 5, 1934
3 Claims. (Cl. 15—52)



1. Apparatus for cleaning floors and like surfaces comprising a frame, an operating motor carried by said frame, a plurality of absorbent wiping flaps freely flexible throughout their areas, mobile means mounted in said frame and connected to said motor for operation thereby and comprising laterally spaced side members providing an open space between them and having means for attaching said flaps thereto by their forward edges to swing freely in said open space and expose both of their surfaces, said mobile means being operative to carry said attached edges of the flaps toward and from and to draw said flaps flatly over the surface to be treated, and means to positively retain each flap in inoperative position above said surface until the forward edge thereof approximately reaches the surface to be treated and the entire flap beyond its attached edge is free throughout its upper and lower surfaces, whereby each flap will be impelled under the influence of gravity and centrifugal force to make a sudden impact flatwise over its entire area upon the surface to be treated.

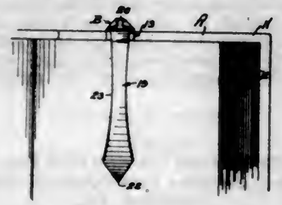
2,136,325
PIANO BENCH
George W. Smith, Newburgh, N. Y.
Application April 19, 1938, Serial No. 202,963
4 Claims. (Cl. 155—34)

4. A piano bench of the class described comprising a supporting structure including a plurality of legs, braces extending between said legs, a seat adapted to be removably mounted on the legs, said seat including a frame, a top on said frame and an apron depending from the frame, blocks hingedly mounted on the upper portions of the legs and engageable on the upper ends thereof for supporting the seat in elevated position thereon, rods connecting certain of the



blocks for operation in unison, substantially U-shaped members slidably mounted beneath the frame and engageable selectively with the blocks or with the legs for supporting the seat in elevated position thereon, the leg portions of said substantially U-shaped members having slots therein, and headed elements mounted in the frame and passing through the slots for slidably securing said members to said frame.

2,136,326
BOOK MARKER
Joseph J. Spandorfer, Norfolk, Va.
Application May 26, 1937, Serial No. 144,942
1 Claim. (Cl. 116—119)

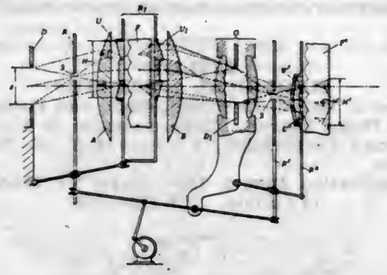


A marker of the kind described comprising an inherently resilient partially outwardly bowed indicator finger having a narrowed portion intermediate the ends thereof and being free of surface protuberances, a clip at one end of the finger for fastening it in an identifying position on a book or the like with respect to a page thereof and the flattening of said finger on the closing of said book, a plate-like portion on said clip, ears folded from the plate-like portion at the outermost corners thereof for the fastening of the end of the finger next thereto, and spaced opposed jaws formed with the clip and having the finger turned closely about one of said jaws.

2,136,327
REPRODUCTION OF GOFFERED FILMS
Anne Henri Jacques de Lassus St. Genies, Versailles, France
Application June 8, 1937, Serial No. 147,120
In France June 10, 1936
16 Claims. (Cl. 88—24)

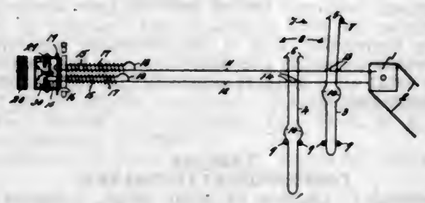
1. In a system for copying goffered films by projection including movable screens having slots adapted to illuminate relatively narrow and parallel homologous parts of the two films, means for effacing the moires, comprising an additional movable screen adapted to be displaced adjacent at least one of the films, said movable screen

having a window adapted to coincide with the illuminated part of the film, and a refractive ele-



ment in said window for displacing the light rays parallel to themselves.

2,136,328
JACQUARD LOOM
Hans Stoehr, Philadelphia, Pa.
Application November 12, 1937, Serial No. 174,130
9 Claims. (Cl. 139—59)



1. In a Jacquard loom, the combination of a series of hooks each having the active ends oppositely turned with their shanks arranged for coaction with the loom hook grate, associated needles having spaced dents for engagement with the hook shanks, means to retract the needles, and bridging means whereby each pair of needles is jointly retracted.

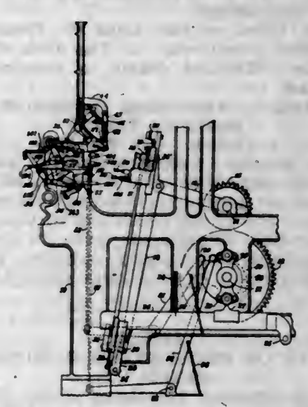
2,136,329
FLEXIBLE COMPOSITIONS
Howard L. Bender, Bloomfield, N. J., assignor to Bakelite Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application February 16, 1933, Serial No. 657,107
13 Claims. (Cl. 106—22)

1. Process of preparing a plastic composition characterized by a crepe rubber appearance from a heat-hardening resin which comprises forming a solid gel from the resin and mechanically disrupting the gel without fusion.

2,136,330
PILLOW, MATTRESS, AND THE LIKE
Julius L. Berenson, Allston, Mass., assignor to Allergia Products Company, Newton, Mass., a corporation of Massachusetts
No Drawing. Application October 29, 1935, Serial No. 47,271
3 Claims. (Cl. 5—361)

1. A non-allergic cushion-like structure comprising a fabric envelope and a resilient filling therefor consisting of curly, real silk fibers entangled loosely with each other.

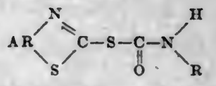
2,136,331
AUTOMATIC LOOM
Whitworth F. Bird, Wallingford, and William R. Hewton, Philadelphia, Pa., assignors to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware
Application February 3, 1938, Serial No. 188,448
21 Claims. (Cl. 139—241)



1. In a loom of the bobbin-changing type; a pair of automatic weft-replenishing bobbin shuttles; a shuttle box at one side of the loom comprising a pair of aligned compartments for boxing the shuttles and a continuous bobbin passage therethrough; a bobbin support; means for engaging a bobbin on the support and for transferring it in the same substantially straight line into a shuttle in either of the compartments of the shuttle box; means for giving said first-named means either of the selected extents of movement and means including bobbin feeler mechanism for governing said selection.

2,136,332
VULCANIZATION OF RUBBER
Albert M. Clifford, Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 2, 1935, Serial No. 43,287
11 Claims. (Cl. 18—53)

3. A process of vulcanizing rubber which comprises vulcanizing it in the presence of a compound having the formula



wherein AR is an ortho arylene group of the benzene and naphthalene series and R is an aromatic radical of the benzene and naphthalene series.

2,136,333
STABILIZATION OF VINYLIDENE CHLORIDE
Gerald H. Coleman and John W. Zemba, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application December 1, 1936, Serial No. 113,742
3 Claims. (Cl. 23—250)

1. Vinylidene chloride containing up to 10 per cent by weight of an aromatic compound containing at least one hydroxyl group attached to

the aromatic nucleus, said hydroxy aromatic compound being present in sufficient quantity to prevent polymerization.

2,136,334

METHOD OF AND COMPOUNDS FOR CONTROLLING POLYMERIZATION OF VINYLIDENE CHLORIDE

Gerald H. Coleman and John W. Zemba, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application October 23, 1937, Serial No. 170,646
4 Claims. (Cl. 23—250)

1. The process which comprises adding to monomeric vinylidene chloride up to 10 per cent of an organic sulphur-containing compound selected from the group consisting of thiocarbanilide, thioindigo, thiosalicylic acid, thiourea, benzothiazole thiol, and diphenyl sulphide, to inhibit the polymerization of vinylidene chloride.

2,136,335

PROCESS OF PRESERVING RUBBER, AND PRODUCT

Howard I. Cramer, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 25, 1935, Serial No. 28,294
7 Claims. (Cl. 18—50)

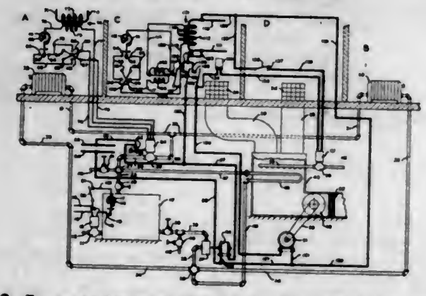
1. The process of improving the age resisting characteristics of rubber which comprises treating the same with a hydrogenated secondary naphthyl aryl amine in which the naphthyl nucleus contains an odd number of hydrogen atoms from thirteen to fifteen inclusive.

2,136,336

ZONE AIR CONDITIONING SYSTEM

Arthur C. Grant, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application December 31, 1934, Serial No. 759,918
11 Claims. (Cl. 236—1)



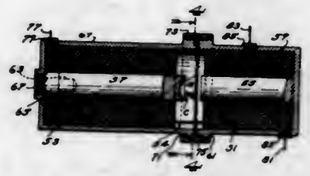
2. In a system of the class described for conditioning a plurality of rooms, a source of conditioning fluid, heat exchanger means in certain of said rooms for directly conditioning said rooms, means connecting said source of conditioning fluid and said heat exchanger means, an air conditioning unit for indirectly conditioning other of said rooms comprising a heat exchanger mechanism and air circulating means, means connecting said source of conditioning fluid and the heat exchanger mechanism of said air conditioning unit, a condition responsive device in said certain of said rooms, and means under the command of said condition responsive device for causing circulation of conditioning fluid through said heat exchanger means and the heat exchanger mechanism of said air conditioning unit.

2,136,337

ELECTRICAL APPARATUS

James L. Green, Cleveland, Ohio, and Frederick T. Hicks, Detroit, Mich., assignors to The Indemse Corporation, a corporation of Michigan

Application June 5, 1937, Serial No. 146,614
11 Claims. (Cl. 175—365)



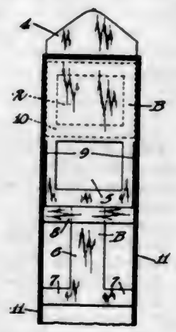
4. A contactless vibrator comprising, a field structure of ferro-magnetic material having air gaps therein, an electrical conductor of bismuth disposed adjacent one of said air gaps for magnetizing the field structure and exposure to the flux therefrom, and a magnetizable armature movable adjacent the other air gap for varying the total air gap in response to the varying flux density therein.

2,136,338

DISPENSING CONTAINER

Kenneth C. Guiden, St. Paul, Minn., assignor of one-half to Joseph P. Johnson, St. Paul, Minn.

Application February 17, 1936, Serial No. 64,305
2 Claims. (Cl. 229—7)



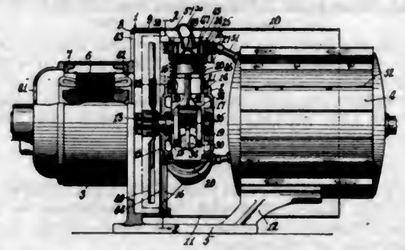
1. In a container of the class described, comprising end and side walls, formed with a discharge opening in one side wall, a closure slide positioned against the inner face of the side wall formed with the discharge opening of the container, one end of said closure slide extending through an opening in an end wall of the container alongside aforesaid side wall of the container and being formed with a foldable flap projecting beyond the container and being also formed with an opening adapted to register with the opening in the container in one position of said slide, and abutment means at one side of the opening in said slide and limiting the movement of said slide, for the purpose set forth.

2,136,339

FLUID COMPRESSOR

Frank A. Halleck, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application May 3, 1934, Serial No. 723,655
17 Claims. (Cl. 230—58)



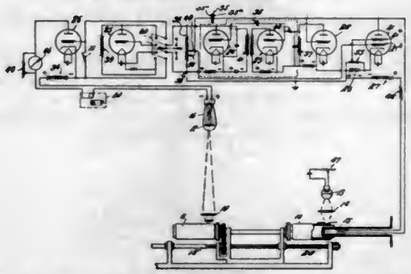
2. In a fluid compressor, a cylinder having an intake opening, air cooling means for said cylinder, and means associated with said cooling means for conducting air under pressure to said compressor cylinder intake and comprising a conduit for receiving a quantity of the cooling fluid and having a portion projecting within said intake opening for conducting the cooling fluid to the compressor cylinder intake.

2,136,340

PRINTING PLATE

Arthur C. Hardy, Wellesley, Mass., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio

Application February 17, 1937, Serial No. 126,110
14 Claims. (Cl. 178—7.4)



1. An apparatus for making a contrast image from a continuous-tone original, comprising a fixed intensity lamp arranged to scan the original, a recording lamp arranged to scan a photographic plate, a photo-electric cell receiving light from the fixed intensity lamp as modified by the original, an electric condenser, a circuit containing the photo-electric cell and a source of electro-motive force connected to the condenser to charge the same, a discharging circuit connected to the condenser and containing a source of electro-motive force and means for maintaining a constant current greater than the greatest current in the photo-electric cell circuit, and trigger means actuated when the voltage across the condenser rises to a predetermined value to increase the condenser voltage by a predetermined amount, to start a flow of current in the discharging circuit, and to alter the recording lamp in one sense, and actuated when the condenser voltage falls to said predetermined value to decrease the condenser voltage by said predetermined amount to stop the flow of current in the discharging circuit, and to alter the recording lamp in the other sense.

2,136,341

FLOTATION OF CULM

Norman Hedley, Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application September 1, 1936, Serial No. 98,975
4 Claims. (Cl. 209—166)

1. A method of cleaning refuse coal which comprises subjecting the refuse coal of froth flotation size to a froth flotation process with an amount of reagent insufficient to float fine high ash particles whereby a concentrate is produced containing a major portion of fine low ash coal particles, classifying the flotation tailings, rejecting the fine sizes and subjecting the coarse sizes to froth flotation with an amount of flotation reagent sufficient to float coarse low ash particles.

2,136,342

PIGMENTED RUBBER HYDROHALIDES

James B. Holden, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 8, 1936, Serial No. 62,992
6 Claims. (Cl. 106—23)

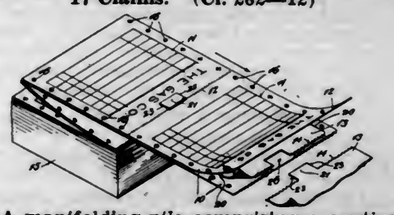
1. A rubber hydrohalide of increased resistance to ageing containing powdered aluminum.

2,136,343

MANIFOLDING

Arthur A. Johnson, Bridgeport, Conn., assignor to Autographic Register Company, Hoboken, N. J., a corporation of New Jersey

Application February 18, 1929, Serial No. 340,671
17 Claims. (Cl. 282—12)



1. A manifolding pile comprising a continuous worksheet strip and a carbon strip of the same length running therewith in superposed relation, one of said strips having tongues formed thereon at intervals therealong and extending longitudinally thereof, and the other of said strips having a slot for each tongue on the other strip adapted to interlock with said tongue, said tongues and slots when interlocked preventing lateral movement of the worksheet strip and the carbon strip relatively and yet permitting easy separation of the strips from each other.

2,136,344

TENSION TESTING MACHINE

Max L. Kochheiser and Samuel A. Steere, Akron, Ohio, assignors to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

Continuation of application Serial No. 256,247, February 23, 1928. This application September 29, 1934, Serial No. 746,230. In Canada December 29, 1928
5 Claims. (Cl. 73—51)

1. A testing machine comprising a base having guides therein, a cross-head slidable in the guides, a plurality of clamps on the base and cross-head, each of the clamps having an arcuately upward-

ly extending surface whereby strands of material secured to the clamps are directed upward-



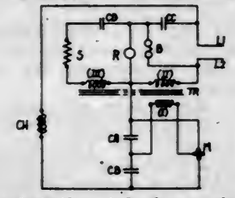
ly away from the base, and means for moving the cross-head to test the comparative elasticities and strengths of the material.

2,136,345

TELEPHONE INSTRUMENT CIRCUIT

George William Sutton, London, and William Herbert Grinsted, Bromley, England, assignors to Siemens Brothers & Company Limited, London, England

Application June 22, 1936, Serial No. 86,568
In Great Britain July 1, 1935
4 Claims. (Cl. 179—81)



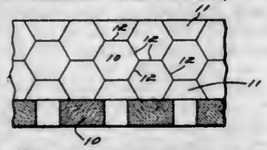
1. In a substation telephone circuit, a microphone of the differential type having two microphone elements, a transformer, one line conductor connected to one of said microphone elements and the other line conductor connected in series with a secondary winding of said transformer to the other microphone element, a connection comprising a pair of condensers in series connected in bridge of said microphone elements, one terminal of the primary winding of said transformer connected to the midpoint between said two microphone elements, and the other terminal of said primary winding connected to the midpoint between said two condensers.

2,136,346

GLASS MELTING TANK WALL STRUCTURE AND BLOCK

Harold A. Wadman, Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application June 12, 1937, Serial No. 147,847
3 Claims. (Cl. 49—54)



1. A glass melting tank wall comprising closely juxtaposed refractory blocks having hexagonal faces at the glass contacting or exposed surface of said wall.

2,136,347

STABILIZING VINYLIDENE CHLORIDE

Ralph M. Wiley, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application July 2, 1937, Serial No. 151,721
2 Claims. (Cl. 23—250)

1. A composition of matter comprising monomeric vinylidene chlodide and sufficient iodine to impart stability.

2,136,348

STABILIZING VINYLIDENE CHLORIDE

Ralph M. Wiley, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Original application July 2, 1937, Serial No. 151,721. Divided and this application March 23, 1938, Serial No. 197,616
5 Claims. (Cl. 23—250)

1. A composition of matter comprising monomeric vinylidene chloride and sufficient of a material selected from the group consisting of nitric acid, sulphuric acid, and chlorosulphonic acid to prevent the polymerization of said vinylidene chloride.

2,136,349

STABILIZING VINYLIDENE CHLORIDE

Ralph M. Wiley, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application March 23, 1938, Serial No. 197,617
7 Claims. (Cl. 23—250)

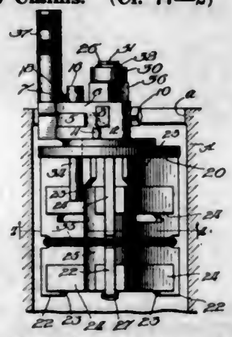
1. A composition of matter comprising monomeric vinylidene chloride and sufficient of a material selected from the group consisting of thionyl chloride and the chlorides of sulphur, antimony, arsenic, platinum, and titanium which liberate hydrogen chloride on reaction with water to impart stability to the said vinylidene chloride.

2,136,350

CYLINDER RIDGE REAMER

Herbert A. Berkman, Chicago, Ill., assignor to Zim Manufacturing Company, a corporation of Illinois

Application February 15, 1937, Serial No. 125,751
9 Claims. (Cl. 77—2)



1. In a cylinder ridge reamer, a device having an upwardly projecting cylindrical post and including means adapted to enter a cylinder and lock the device therein with the axes of the post and the cylinder coinciding with each other, a rugged arm journalled on and rotatable around said post, a bar extending transversely of and adjustably secured to the arm toward the free end of the latter, a holder mounted at one end thereof on said bar for rocking movements in a plane at right angles to the axis of the post, and a cutter carried at the free end of said holder.

2,136,351

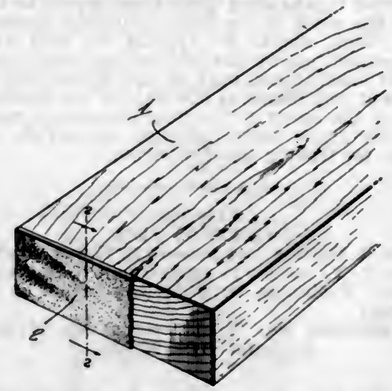
COATING LUMBER TO PREVENT END CHECKING

Milton Gray, Memphis, Tenn., assignor to E. L. Bruce Company, Memphis, Tenn., a corporation of Delaware

Application June 14, 1937, Serial No. 148,152
1 Claim. (Cl. 91—68)

As an article of manufacture, structural lumber having an adherent coating of an intimate

mixture of petroleum asphalt and asbestos fibre applied to the end grain to prevent end checking, the coating being applied to the end of the lumber in a layer having a thickness of the order of $\frac{1}{64}$ to $\frac{3}{32}$ of an inch, the asphalt and the asbestos fibre being of a character and in such relative amounts that the coating when so applied and dried is effective to stop end checking, is plastic



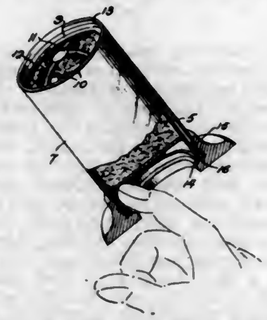
enough so that it can be cut with any sharp edge cutting tool, is substantially water repellent but not completely moistureproof, has a reasonably high resistance to solar rays so that it will not run under high temperatures and not crack or become brittle at low temperatures and will expand and contract at such temperatures without cracking.

2,136,352

APPLIANCE FOR DISPENSING DENTAL COTTON

Paige D. L'Hommedieu, New Brunswick, N. J., assignor to Johnson & Johnson, New Brunswick, N. J., a corporation of New Jersey

Application November 4, 1936, Serial No. 109,179
6 Claims. (Cl. 206—63.5)



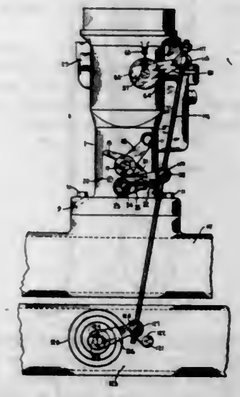
1. An assembly for use in dispensing dental cotton and the like, comprising in combination a cylinder and a pedestal in separable relation, an original package of dental cotton angularly movable in the cylinder in dispensing relation and having a movable member effective as a dust excluding closure for the cylinder as well as for the package, a removable cap for the outlet end of the cylinder, said pedestal having an opening to admit of pressure effort on said movable member to force the cotton towards the outlet, and an element transverse said outlet and effective to delaminate and elevate the cotton in response to relative angular movement of the package.

2,136,353

CARBURETOR

Walter H. Weber, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan

Application March 24, 1934, Serial No. 717,130
31 Claims. (Cl. 123—119)



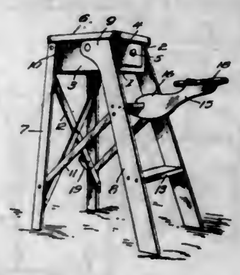
1. A carburetor of the character described, comprising a body having a passageway therethrough with an air inlet, a suction responsive valve member controlling said air inlet, a longitudinally reciprocable nozzle member discharging into said passageway and operatively connected to said valve member for movement therewith, said nozzle member having a longitudinal fuel passage, means to bleed economizing air into said passage, and throttle operated means controlling said air bleed means to control the fuel mixture.

2,136,354

FOLDABLE STOOL

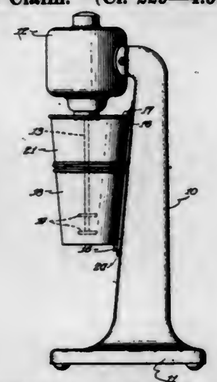
Alonzo P. Welsh, Tyler, Tex., assignor of one-third to Roy R. Riviere, Tyler, Tex.

Application April 24, 1937, Serial No. 138,840
1 Claim. (Cl. 15—265)



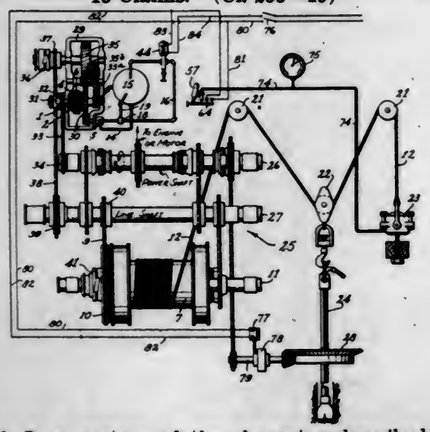
In a foldable stool in the form of a ladder including a step having a groove in a horizontal surface thereof, a foot rest including an attaching arm provided at one end with an enlarged portion, said portion being slotted to provide upper and lower lips, the lower lip extending beyond the upper lip and receivable in the groove of the step for cooperation with the upper lip for detachably securing the foot rest to the step, said arm having a flat upper surface, and a rest plate secured to said flat surface and shaped to fit the bottom of a shoe.

2,136,355
DRINK MIXING APPARATUS
Walter S. Fredenhagen and Mark S. Schmidt, Naperville, Ill.
Application January 3, 1938, Serial No. 182,989
1 Claim. (Cl. 229—4.5)



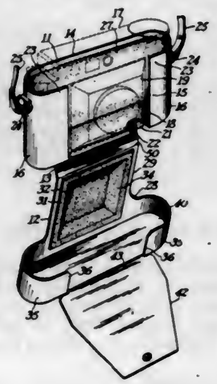
A mixing container for a drink mixing apparatus, comprising in combination a paper cup having an inwardly open groove pressed in its side wall at about its upper end, and a comparatively rigid reinforcing member in the form of a ring adapted to have a snug fit in said cup and having an outwardly projecting rib thereabout adapted to have snug snap engagement with the groove of said cup and having a second outwardly projecting rib thereabout adapted by engagement with the top edge of the cup to limit the downward movement of the ring with respect to the cup, said ring being flattened slightly so as to give the upper end of the cup an oval shape.

2,136,356
DRILLING CONTROL
Frederic W. Hild, Los Angeles, Calif.
Application December 31, 1935, Serial No. 56,994
13 Claims. (Cl. 255—19)



1. In a system of the character described, a prime mover operating at a selected speed, a differential device, connected to the prime mover, a fluid circulating system including fluid circulating means connected through the differential device to the prime mover, said fluid circulating means thus serving as a load for the prime mover, means disposed in the circulating system adapted to vary the resistance to the fluid flow produced by the fluid circulating means to thus alter the speed of the fluid circulating means, a drill string, means for feeding the drill string also connected to the differential device, and means constituting part of the differential device and responsive to one half of the algebraic sum of the speed of the fluid circulating means and the prime mover adapted to operate said means for feeding the drill string.

2,136,357
CARRYING CASE
Harry R. Darling and Newton B. Green, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 7, 1937, Serial No. 141,324
1 Claim. (Cl. 95—31)

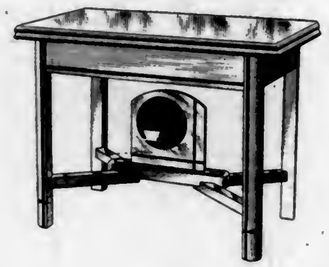


A camera carrying case comprising, in combination, a leather-covered metal camera supporting frame comprising a bottom, ends, front and back walls, the top of said frame being open to permit the insertion or removal of a camera through said top, said front wall having a part thereof cut away to allow the camera bed to be opened and closed, resilient portions on said front wall adapted to engage said camera to yieldably retain the latter in position within said frame, a one piece closure member having parts arranged to overlie and close said top and said front wall, a flap hinged to one end of said member and overlying said bottom and having the end thereof detachably secured to said back wall, and a second flap secured to the opposite end of said member and overlying said back wall and said first mentioned flap and detachably secured to the latter, said member being unfoldable upon release of said flap to permit said camera to be used while held in said frame.

DESIGNS

NOVEMBER 8, 1938

112,035
DESIGN FOR A TABLE
Pinkus Bandrimer and Joseph Perloff, Brooklyn, N. Y.
Application September 15, 1938, Serial No. 79,904
Term of patent 3½ years



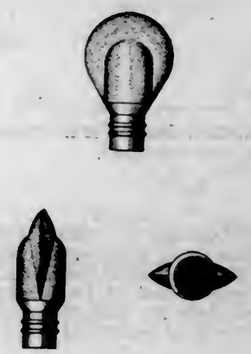
The ornamental design for a table, substantially as shown.

112,036
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Bernard Bauer and Ernest Steiner, New York, N. Y.
Application October 1, 1938, Serial No. 80,167
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

112,037
DESIGN FOR A COMBINED ERASER AND PENCIL TIP
Isidor Chesler, Oceanport, N. J., assignor to Eagle Pencil Company, New York, N. Y., a corporation of Delaware
Application December 10, 1937, Serial No. 73,518
Term of patent 7 years



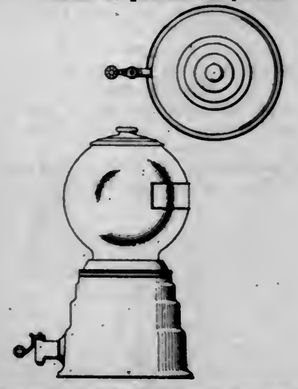
The ornamental design for a combined eraser and pencil tip, substantially as shown and described.

112,038
DESIGN FOR A CLIP OR SIMILAR ARTICLE
David Cooper, Brooklyn, N. Y.
Application June 6, 1938, Serial No. 77,608
Term of patent 3½ years



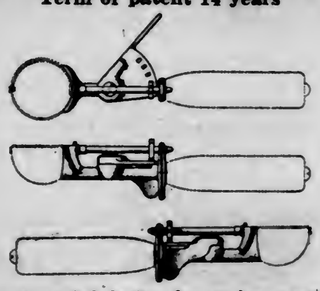
The ornamental design for a clip or similar article, as shown.

112,039
DESIGN FOR A BEVERAGE DISPENSER
Harry E. Crosby, Los Angeles, Calif.
Application August 8, 1938, Serial No. 79,185
Term of patent 14 years



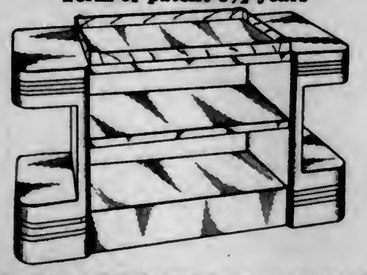
The ornamental design for a beverage dispenser, as shown and described.

112,040
DESIGN FOR AN ICE CREAM DISHER
Patrick F. Donahue, Waterville, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application July 21, 1938, Serial No. 78,636
Term of patent 14 years



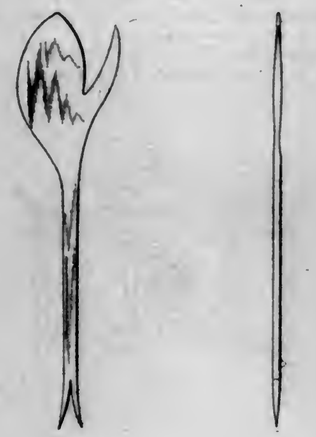
The ornamental design for an ice cream disher, as shown and described.

112,041
DESIGN FOR A DISPLAY TABLE OR SIMILAR ARTICLE
Thomas M. Dunham, Aurora, Ill.
Application July 25, 1938, Serial No. 78,696
Term of patent 3½ years



The ornamental design for a display table or similar article, as shown.

112,042
DESIGN FOR A LOBSTER FORK
Ernst Johansson, Jr., Hoboken, N. J.
Application August 24, 1938, Serial No. 79,552
Term of patent 14 years



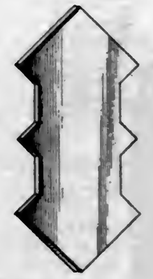
The ornamental design for a lobster fork, as shown.

112,043
DESIGN FOR A WATER JUG OR SIMILAR ARTICLE
Rowena Reed Kostellow, Pittsburgh, Pa., assignor to United States Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 5, 1938, Serial No. 74,895
Term of patent 3½ years



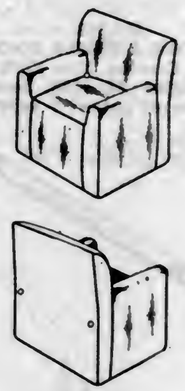
The ornamental design for a water jug or similar article, substantially as shown and described.

112,044
DESIGN FOR TILE
Eugene Parker, Los Angeles, Calif.
Application August 24, 1938, Serial No. 79,544
Term of patent 14 years



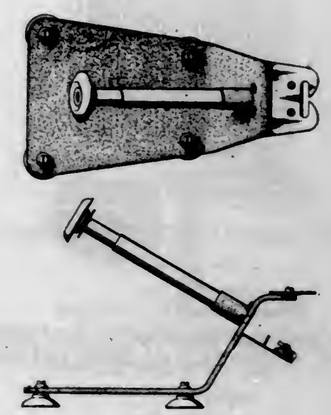
The ornamental design for tile, substantially as shown.

112,045.
DESIGN FOR A CHILD'S CHAIR
George M. Roberts, Chicago, Ill., assignor to Continental Cushion Spring Company, Chicago, Ill., a corporation of Illinois
Application September 9, 1938, Serial No. 79,817
Term of patent 7 years



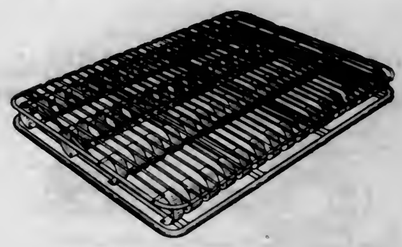
The ornamental design for a child's chair, as shown and described.

112,046
DESIGN FOR A TWINE HOLDER
Herbert H. Rominger, Oakland, Calif., assignor to J. Edney Harton, Oakland, Calif.
Application June 10, 1938, Serial No. 77,732
Term of patent 14 years



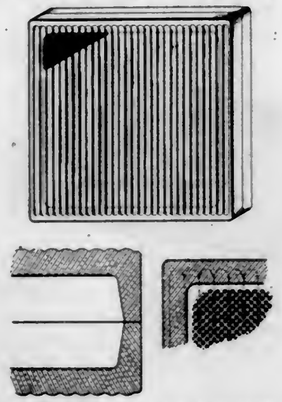
The ornamental design for a twine holder, as shown.

112,047
DESIGN FOR A BEDSPRING
Edward W. Schlappritzi, Minneapolis, Minn.
Application November 8, 1937, Serial No. 72,707
Term of patent 14 years



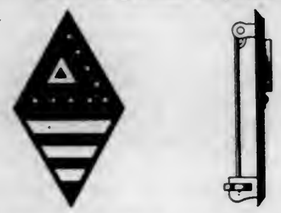
The ornamental design for a bedspring, substantially as shown.

112,048
DESIGN FOR A HOLLOW GLASS BUILDING BLOCK
Carl H. Smith and David Jones, Muncie, Ind., assignors to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application September 30, 1937, Serial No. 71,902
Term of patent 14 years



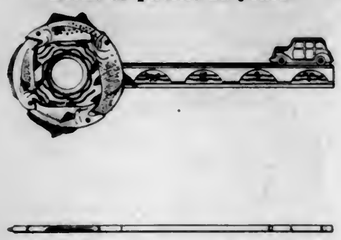
The ornamental design for a hollow glass building block, substantially as shown and described.

112,049
DESIGN FOR A BADGE OR SIMILAR ARTICLE
Jean Bareuther Swoboda, Chicago, Ill., assignor to The Delphian Society, Chicago, Ill., a corporation of Illinois
Application August 20, 1938, Serial No. 79,470
Term of patent 14 years



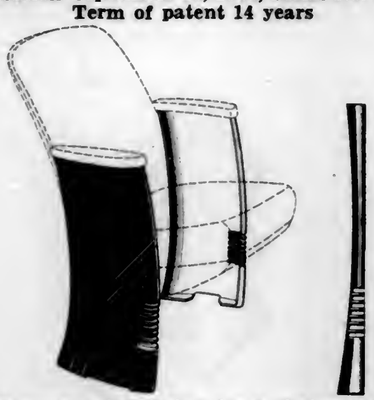
The ornamental design for a badge or similar article, as shown.

112,050
DESIGN FOR A SOUVENIR KEY
Gustav Bohland, Miami Beach, Fla.
Application May 5, 1938, Serial No. 76,987
Term of patent 14 years



The ornamental design for a souvenir key, as shown.

112,051
DESIGN FOR A CHAIR
Willard H. Bond, Jr., East Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application September 16, 1938, Serial No. 79,941
Term of patent 14 years



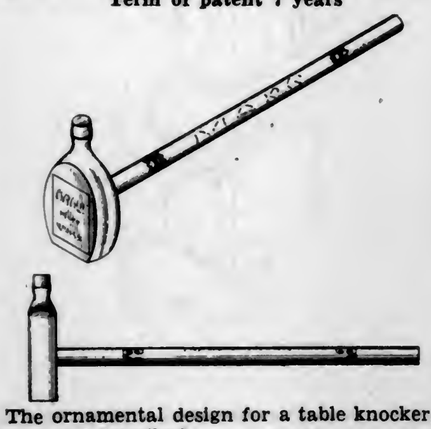
The ornamental design for a chair, as shown and described.

112,052
DESIGN FOR A SHOE
Dominick J. Calderazzo, Brooklyn, N. Y.
Application September 24, 1938, Serial No. 80,072
Term of patent 3½ years



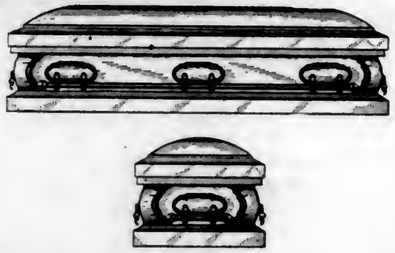
The ornamental design for a shoe, substantially as shown.

112,053
DESIGN FOR A TABLE KNOCKER
Sebastian Cerrina, New York, N. Y.
Application February 25, 1938, Serial No. 75,412
Term of patent 7 years



The ornamental design for a table knocker, as shown and described.

112,054
DESIGN FOR A CASKET
Anthony J. Christian, Chicago, Ill.
Application June 27, 1938, Serial No. 78,094
Term of patent 3½ years



The ornamental design for a casket, as shown.

112,055
DESIGN FOR A SCARF HOLDER
John R. Craighead, Denver, Colo.
Application September 13, 1938, Serial No. 79,861
Term of patent 7 years



The ornamental design for a scarf holder, as shown.

112,056
DESIGN FOR A SHOE
Herman B. Delman, New York, N. Y.
Application August 15, 1938, Serial No. 79,338
Term of patent 3½ years



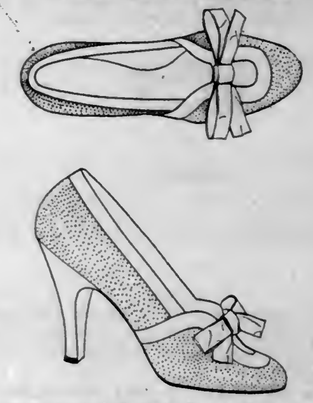
The ornamental design for a shoe, as shown.

112,057
DESIGN FOR A SHOE
Herman B. Delman, New York, N. Y.
Application August 15, 1938, Serial No. 79,340
Term of patent 3½ years



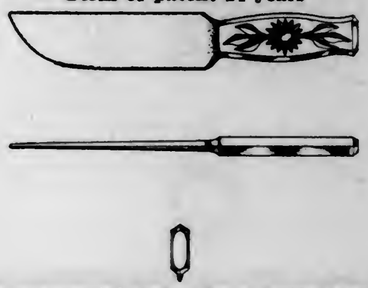
The ornamental design for a shoe, as shown.

112,058
DESIGN FOR A SHOE
Herman B. Delman, New York, N. Y.
Application August 15, 1938, Serial No. 79,341
Term of patent 3½ years



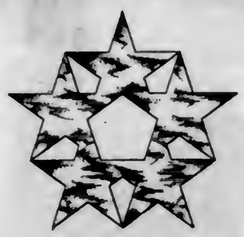
The ornamental design for a shoe, as shown.

112,059
DESIGN FOR A KNIFE
John Didio, Buffalo, N. Y.
Application September 20, 1938, Serial No. 79,997
Term of patent 14 years



The ornamental design for a knife, as shown.

112,060
DESIGN FOR A PLAQUE OR SIMILAR ARTICLE
Paul S. Donchian, Hartford, Conn.
Application February 7, 1938, Serial No. 74,942
Term of patent 14 years



The ornamental design for a plaque or similar article, substantially as shown.

112,061
DESIGN FOR A BUCKLE
John B. Freysinger, New Britain, Conn.
Application August 19, 1938, Serial No. 79,449
Term of patent 3½ years



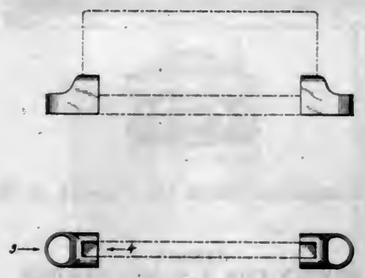
The ornamental design for a buckle, as shown.

112,062
DESIGN FOR A CONDIMENT SHAKER
Edwin W. Fuerst, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application December 3, 1937, Serial No. 73,338
Term of patent 7 years



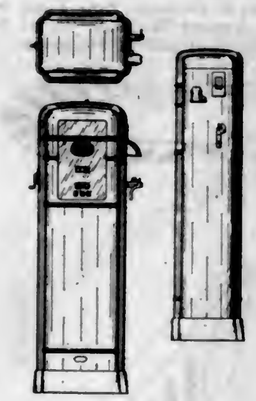
The ornamental design for a condiment shaker, substantially as shown.

112,063
DESIGN FOR A MONUMENT
Robert A. Grieve, Denver, Colo.
Application August 6, 1938, Serial No. 79,161
Term of patent 14 years



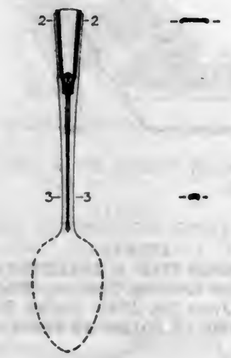
The ornamental design for a monument, as shown.

112,064
DESIGN FOR A CASING FOR LIQUID DISPENSING APPARATUS
Herman O. Grimmelsen, West Springfield, Walter C. Leitch, Longmeadow, and Warren H. De Lancey, Springfield, Mass., assignors to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application July 15, 1938, Serial No. 78,518
Term of patent 14 years



The ornamental design for a casing for liquid dispensing apparatus, as shown.

112,065
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Lillian V. M. Helander, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a corporation of New Jersey
Application September 22, 1938, Serial No. 80,038
Term of patent 14 years



The ornamental design for a spoon or other article of flatware, substantially as shown and described.

112,066
DESIGN FOR A TABLE LAMP
Dorothy G. Helmer, Indianapolis, Ind., assignor to Electrical Testing Laboratories, New York, N. Y., a corporation of New York
Application August 11, 1938, Serial No. 79,246
Term of patent 3½ years



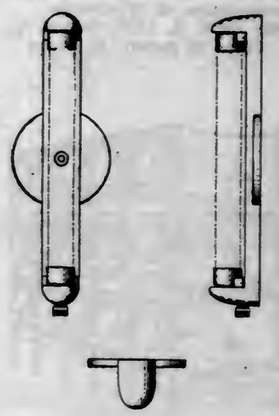
The ornamental design for a table lamp, as shown.

112,067
DESIGN FOR A COMBINED BASE AND PEDESTAL FOR TABLE LAMPS
Jane Higgins, Riverside, R. I., assignor to Electrical Testing Laboratories, New York, N. Y., a corporation of New York
Application August 11, 1938, Serial No. 79,240
Term of patent 3½ years



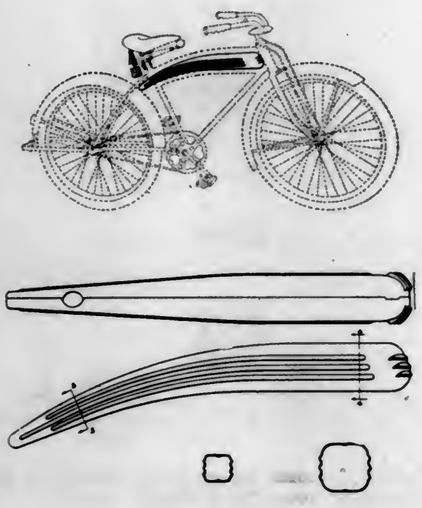
The ornamental design for a combined base and pedestal for table lamps, as shown.

112,068
DESIGN FOR AN ELECTRIC LIGHTING FIXTURE
Dean H. Holden, Cleveland, Ohio
Application March 2, 1938, Serial No. 75,537
Term of patent 7 years



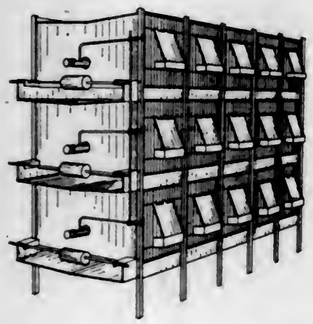
The ornamental design for an electric lighting fixture, as shown and described.

112,069
DESIGN FOR A BICYCLE
Horace M. Huffman, Jr., and John H. Horstman, Dayton, Ohio, assignors to The Huffman Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application August 14, 1937, Serial No. 71,101
Term of patent 7 years



The ornamental design for a bicycle, substantially as shown and described.

112,070
DESIGN FOR A RABBIT BATTERY
Willard H. Jones, George T. Markey, and John B. Olson, Fort Atkinson, Wis., assignors to James Manufacturing Company, Fort Atkinson, Wis., a corporation of Wisconsin
Application April 4, 1938, Serial No. 76,260
Term of patent 14 years



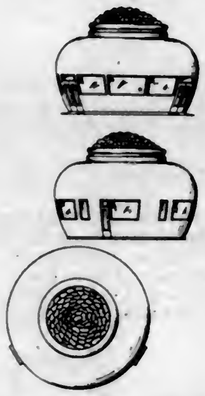
The ornamental design for a rabbit battery, as shown and described.

112,071
DESIGN FOR A SHOE
Morris Kalmon, New York, N. Y.
Application September 20, 1938, Serial No. 80,005
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

112,072
DESIGN FOR A BUILDING
Eugene Kaplan, Boston, Mass.
Application June 20, 1938, Serial No. 77,957
Term of patent 14 years



The ornamental design for a building, as shown.

112,073
DESIGN FOR A SPECTACLE CASE
Saul L. Lachter, Maplewood, N. J.
Application July 20, 1938, Serial No. 78,608
Term of patent 7 years



The ornamental design for a spectacle case, as shown.

112,074
DESIGN FOR A SHOE
David Levin, New York, N. Y.
Application September 20, 1938, Serial No. 80,006
Term of patent 3½ years



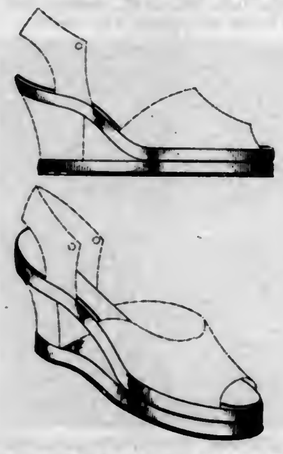
The ornamental design for a shoe, substantially as shown.

112,075
DESIGN FOR A SHOE OR SIMILAR ARTICLE
David Levin, New York, N. Y.
Application October 3, 1938, Serial No. 80,197
Term of patent 3½ years



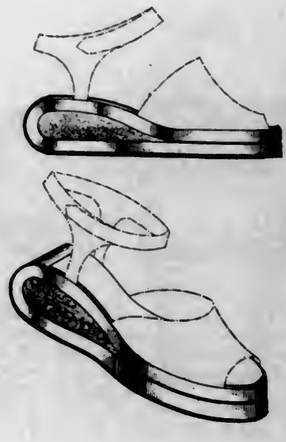
The ornamental design for a shoe or similar article, substantially as shown.

112,076
DESIGN FOR A SHOE
David Levin, New York, N. Y.
Application October 3, 1938, Serial No. 80,198
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

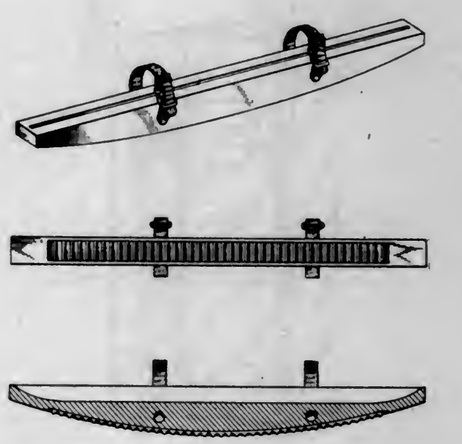
112,077
DESIGN FOR A SHOE OR SIMILAR ARTICLE
David Levin, New York, N. Y.
Application October 4, 1938, Serial No. 80,236
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

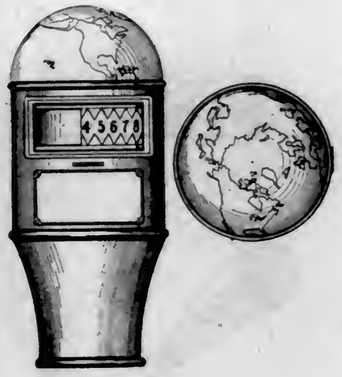
The ornamental design for a shoe or similar article, substantially as shown.

112,078
DESIGN FOR A SHOE SKATE CLOG
James V. Lewis, Kansas City, Mo.
Application June 13, 1938, Serial No. 77,805
Term of patent 3½ years



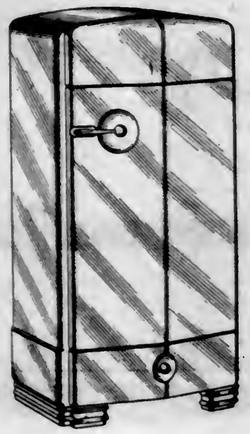
The ornamental design for a shoe skate clog, as shown.

112,079
DESIGN FOR A PARKING METER CASING OR SIMILAR ARTICLE
John F. Lindberg, Chicago, Ill.
Application August 13, 1938, Serial No. 79,304
Term of patent 14 years



The ornamental design for a parking meter casing or similar article, as shown and described.

112,080
DESIGN FOR A REFRIGERATOR CABINET
Raymond Loewy, New York, N. Y., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application May 13, 1938, Serial No. 77,169
Term of patent 3½ years



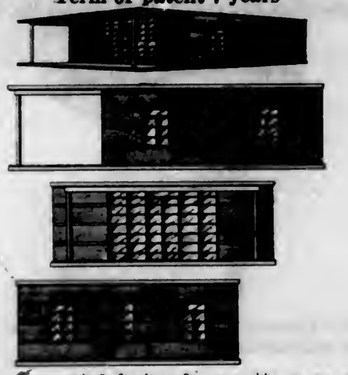
The ornamental design for a refrigerator cabinet, as shown.

112,081
DESIGN FOR A SHOE
Philip Lorman, New York, N. Y.
Application October 3, 1938, Serial No. 80,202
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

112,082
DESIGN FOR A COTTAGE
Bernard J. McGarry, New York, N. Y.
Application July 16, 1938, Serial No. 78,544
Term of patent 7 years



The ornamental design for a cottage, as shown.

112,083
DESIGN FOR A TABLECLOTH OR SIMILAR ARTICLE
Harry F. Melia, New York, N. Y.
Application July 23, 1938, Serial No. 78,666
Term of patent 3½ years



The ornamental design for a tablecloth or similar article, substantially as shown and described.

112,084
DESIGN FOR A LAMP
Donald L. Moore, Racine, Wis.
Application May 16, 1938, Serial No. 77,205
Term of patent 7 years



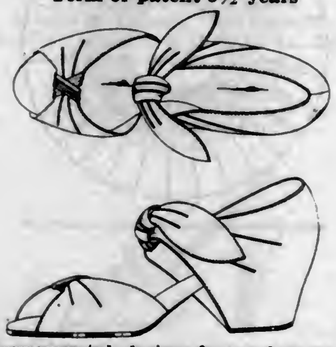
The ornamental design for a lamp, as shown.

112,085
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Andre Perugia, Paris, France
Application September 8, 1938, Serial No. 79,782
Term of patent 3½ years



The ornamental design for a shoe or similar article, as shown.

112,086
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Andre Perugia, Paris, France
Application September 8, 1938, Serial No. 79,783
Term of patent 3½ years



The ornamental design for a shoe or similar article, as shown.

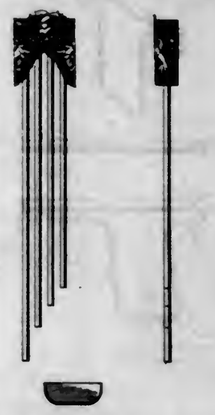
112,087
DESIGN FOR A LAMP BASE
Horace R. Poeter and Harry E. Ormston, Washington, D. C., assignors to Electrical Testing Laboratories, New York, N. Y., a corporation of New York
Application August 11, 1938, Serial No. 79,249
Term of patent 3½ years



The ornamental design for a lamp base, as shown.

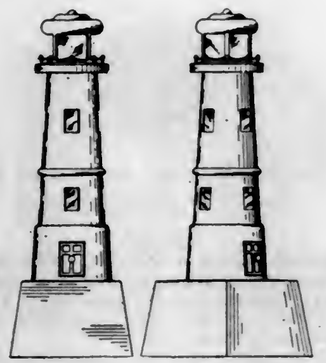
112,088
DESIGN FOR A SIGNAL DEVICE
Lloyd Rittenhouse, Honeoye Falls, and Sidney M. Crossett, Rochester, N. Y., assignors to The A. E. Rittenhouse Co., Inc., Honeoye Falls, N. Y., a corporation of New York
Application July 20, 1938, Serial No. 78,605
Term of patent 14 years





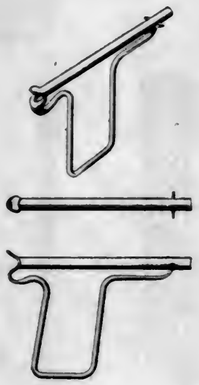
The ornamental design for a signal device, as shown.

112,089
DESIGN FOR AN ILLUMINABLE TRAFFIC SIGNAL
Frank Abraham Robinson and Carl Reutter, North Beverly, Mass.
Application August 6, 1938, Serial No. 79,158
Term of patent 14 years



The ornamental design for an illuminable traffic signal, as shown.

112,090
DESIGN FOR A TOY PROJECTOR GUN
Earl Rundles, Cincinnati, Ohio
Application September 7, 1938, Serial No. 79,762
Term of patent 3½ years



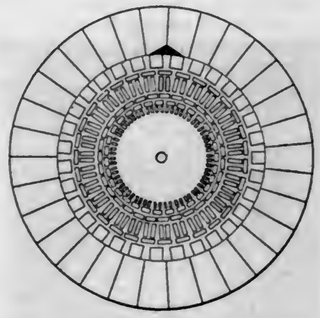
The ornamental design for a toy projector gun, substantially as shown.

112,091
DESIGN FOR A COMBINED BASE AND COLUMN FOR LAMPS
Dorothy Shepard, Providence, R. I., assignor to Electrical Testing Laboratories, New York, N. Y., a corporation of New York
Application August 11, 1938, Serial No. 79,252
Term of patent 3½ years



The ornamental design for a combined base and column for lamps, as shown.

112,092
DESIGN FOR A GUIDE CHART OR SIMILAR ARTICLE
Samuel J. Sigaloff, Long Island City, N. Y.
Application June 29, 1938, Serial No. 78,142
Term of patent 7 years



The ornamental design for a guide chart or similar article, substantially as shown.

112,093
DESIGN FOR A TABLE LAMP
Dorothy M. Simpson, Providence, R. I., assignor to Electrical Testing Laboratories, New York, N. Y., a corporation of New York
Application August 11, 1938, Serial No. 79,250
Term of patent 3½ years



The ornamental design for a table lamp, as shown.

112,094
DESIGN FOR A DISPLAY FORM
Alfred Spear, Providence, R. I.
Application March 11, 1938, Serial No. 75,753
Term of patent 14 years



The ornamental design for a display form, as shown.

112,095
DESIGN FOR A SHOE
Arthur H. Tupper, New York, N. Y.
Application October 3, 1938, Serial No. 80,203
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

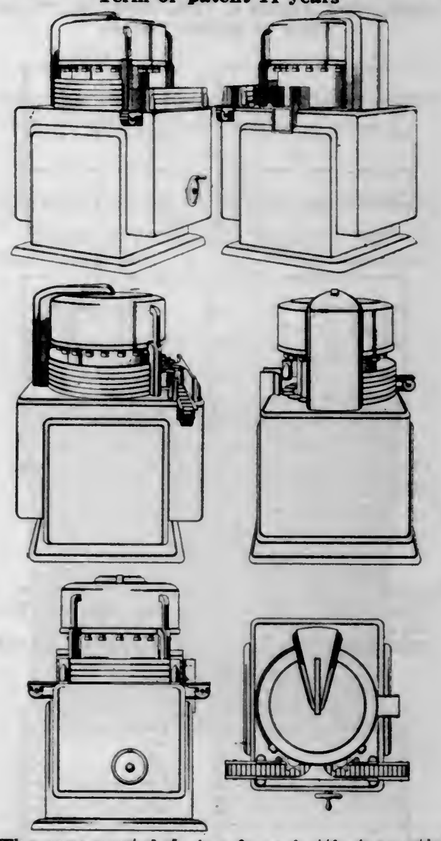
112,096
DESIGN FOR A SHOE
Arthur H. Tupper, New York, N. Y.
Application October 3, 1938, Serial No. 80,204
Term of patent 3½ years





The ornamental design for a shoe, substantially as shown.

112,097
DESIGN FOR A BOTTLE INSPECTION MACHINE
Everett Worthington, New York, N. Y.
Application August 24, 1938, Serial No. 79,534
Term of patent 14 years



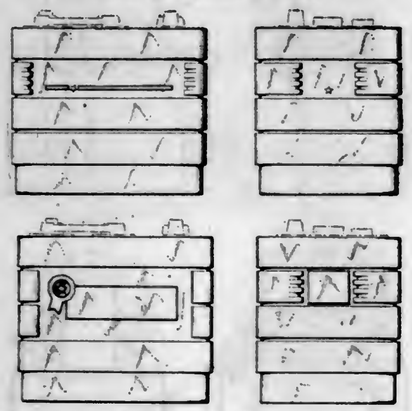
The ornamental design for a bottle inspection machine, as shown.

112,098
DESIGN FOR A DRESS
Jacob Abbate, New York, N. Y.
Application September 21, 1938, Serial No. 80,014
Term of patent 3½ years



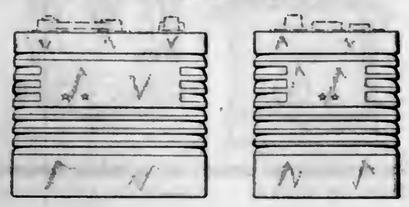
The ornamental design for a dress, substantially as shown and described.

112,099
DESIGN FOR A BATTERY CASE
Egmont Arens, New York, N. Y., assignor to Atlas Supply Company, a corporation of Delaware
Application August 4, 1938, Serial No. 79,110
Term of patent 7 years

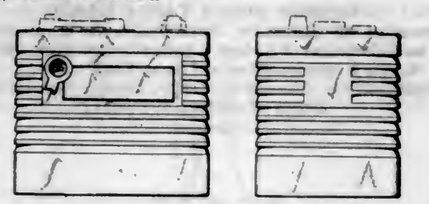


The ornamental design for a battery case, as shown and described.

112,100
DESIGN FOR A BATTERY CASE
Egmont Arens, New York, N. Y., assignor to Atlas Supply Company, a corporation of Delaware
Application August 4, 1938, Serial No. 79,111
Term of patent 7 years

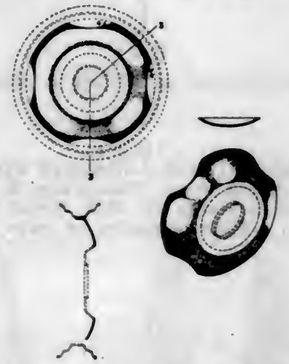


112,100—Continued



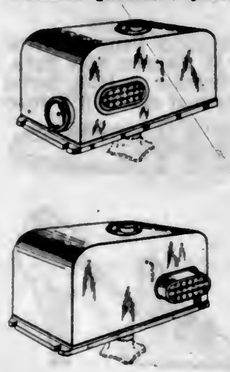
The ornamental design for a battery case, as shown and described.

112,101
DESIGN FOR A WHEEL
Charles S. Ash, Milford, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application August 18, 1937, Serial No. 71,178
Term of patent 14 years



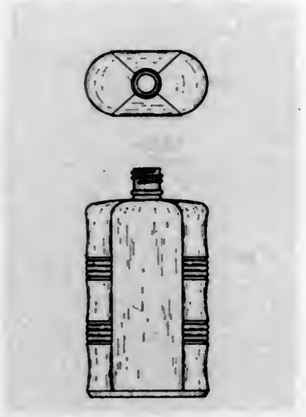
The ornamental design for a wheel, substantially as shown and described.

112,102
DESIGN FOR A POWER TRANSMITTING UNIT
Leonard J. Bishop, Detroit, Mich., assignor to Mechanical Handling Systems, Inc., Detroit, Mich., a corporation of Michigan
Application February 23, 1937, Serial No. 67,814
Term of patent 7 years



The ornamental design for a power transmitting unit, substantially as shown and described.

112,103
DESIGN FOR A GLASS BOTTLE
Sidney Brandeis, Chicago, Ill., assignor to Continental Glass Corporation, Chicago, Ill., a corporation of Illinois
Application September 9, 1938, Serial No. 79,813
Term of patent 7 years



The ornamental design for a glass bottle, as shown and described.

112,104
DESIGN FOR A CURTAIN OR SIMILAR ARTICLE
Gustave F. Erhard, Scranton, Pa.
Application July 29, 1938, Serial No. 78,802
Term of patent 3½ years



The ornamental design for a curtain or similar article, as shown and described.

112,105
DESIGN FOR A CURTAIN OR SIMILAR ARTICLE
Gustave F. Erhard, Scranton, Pa.
Application July 29, 1938, Serial No. 78,816
Term of patent 3½ years



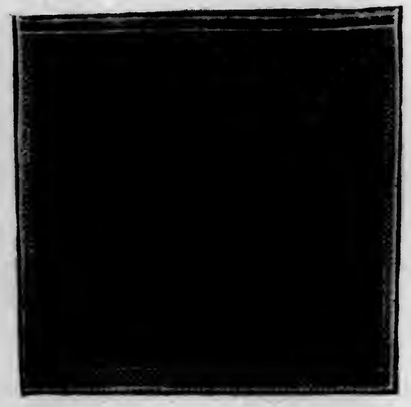
The ornamental design for a curtain or similar article, as shown and described.

112,106
DESIGN FOR A CURTAIN OR SIMILAR ARTICLE
Gustave F. Erhard, Scranton, Pa.
Application July 29, 1938, Serial No. 78,839
Term of patent 3½ years



The ornamental design for a curtain or similar article, as shown and described.

112,107
DESIGN FOR A CURTAIN OR SIMILAR ARTICLE
Gustave F. Erhard, Scranton, Pa.
Application July 29, 1938, Serial No. 78,930
Term of patent 3½ years



The ornamental design for a curtain or similar article, as shown and described.

112,108
DESIGN FOR A TEXTILE FABRIC
Curt E. Forstmann, Montclair, N. J.
Application February 16, 1938, Serial No. 75,190
Term of patent 14 years



The ornamental design for a textile fabric, as shown and described.

112,109
DESIGN FOR A TEXTILE FABRIC
Curt E. Forstmann, Montclair, N. J.
Application February 16, 1938, Serial No. 75,191
Term of patent 14 years



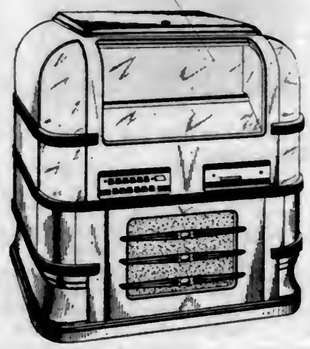
The ornamental design for a textile fabric, as shown and described.

112,110
DESIGN FOR A TEXTILE FABRIC
Curt E. Forstmann, Montclair, N. J.
Application February 16, 1938, Serial No. 75,192
Term of patent 14 years



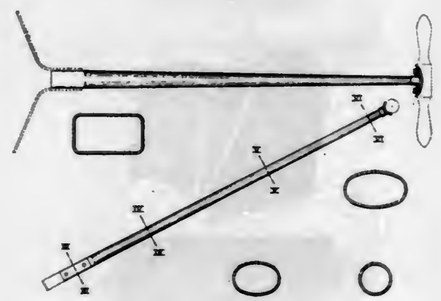
The ornamental design for a textile fabric, as shown and described.

112,111
DESIGN FOR A PHONOGRAPH CABINET
Paul M. Fuller, Chicago, Ill., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio
Application August 17, 1938, Serial No. 79,403
Term of patent 7 years



The ornamental design for a phonograph cabinet, substantially as shown and described.

112,112
DESIGN FOR A LAWN MOWER HANDLE
Truman B. Funk, Jackson, Mich., assignor to "Yard-Man", Inc., Jackson, Mich., a corporation of Michigan
Application July 9, 1938, Serial No. 78,377
Term of patent 14 years



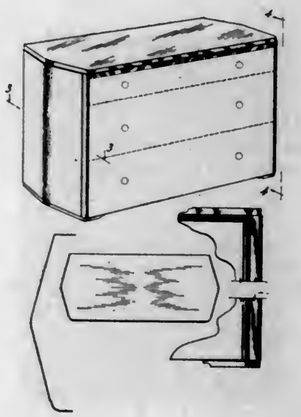
The ornamental design for a lawn mower handle, substantially as shown.

112,113
DESIGN FOR A TEXTILE FABRIC
Vallejo Gantner, Hollywood, Calif., assignor to Gantner & Mattern Company, San Francisco, Calif., a corporation of California
Application August 3, 1937, Serial No. 70,819
Term of patent 3½ years



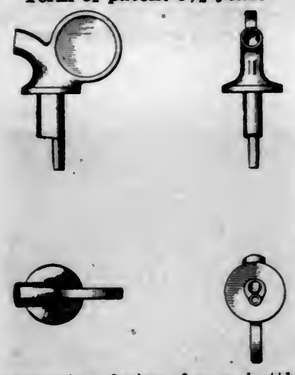
The ornamental design for a textile fabric, substantially as shown.

112,114
DESIGN FOR A CHEST OR SIMILAR ARTICLE
Martin Hanson, Chicago, Ill.
Application August 5, 1938, Serial No. 79,131
Term of patent 3½ years



The ornamental design for a chest or similar article, as shown and described.

112,115
DESIGN FOR A BOTTLE POURER
Frederick W. Hoeter, New York, N. Y.
Application January 14, 1938, Serial No. 74,294
Term of patent 3½ years



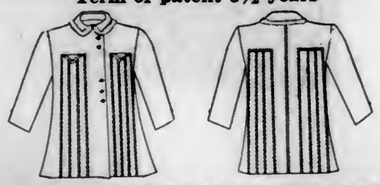
The ornamental design for a bottle pourer, substantially as shown.

112,116
DESIGN FOR A DRESS
Alice S. Kaplan, New York, N. Y.
Application October 10, 1938, Serial No. 80,339
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

112,117
DESIGN FOR A COAT
Ely Klepper, New York, N. Y.
Application August 30, 1938, Serial No. 79,639
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

112,118
DESIGN FOR WRAPPING PAPER
Arthur Lewin, New York, N. Y.
Application September 24, 1938, Serial No. 80,080
Term of patent 7 years



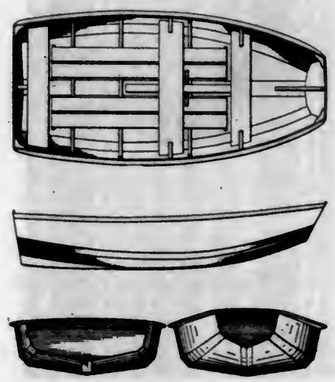
The ornamental design for wrapping paper, as shown and described.

112,119
DESIGN FOR A PRINTING TELEGRAPH APPARATUS COVER
George R. Lum, New York, N. Y., and Alfred L. Mell, Chicago, Ill.; said Lum assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York, and said Mell assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application March 12, 1938, Serial No. 75,784
Term of patent 14 years



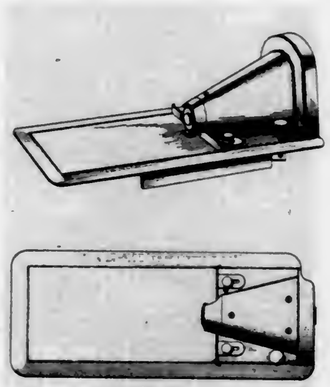
The ornamental design for a printing telegraph apparatus cover, substantially as shown.

112,120
DESIGN FOR A ROWBOAT
Charles G. MacGregor, Lynn, Mass.
Application June 11, 1938, Serial No. 77,765
Term of patent 14 years



The ornamental design for a row boat, as shown.

112,121
DESIGN FOR A PINKING MACHINE
William T. Maxant, Ayer, Mass.
Application August 17, 1938, Serial No. 79,408
Term of patent 14 years



The ornamental design for a pinking machine, as shown.

112,122
DESIGN FOR A TEXTILE FABRIC
George Megibow, New York, N. Y.
Application October 5, 1938, Serial No. 80,255
Term of patent 3½ years



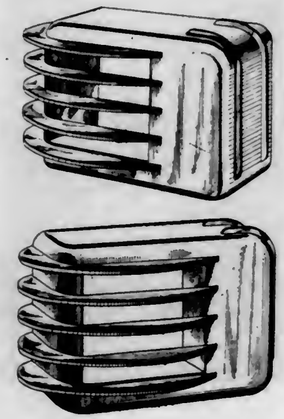
The ornamental design for a textile fabric, substantially as shown.

112,123
DESIGN FOR LACE
John Merriman, Norwalk, Conn., assignor to The American Fabrics Company, Bridgeport, Conn., a corporation of Connecticut
Application August 12, 1938, Serial No. 79,287
Term of patent 3½ years



The ornamental design for lace, substantially as shown.

112,124
DESIGN FOR A HEATER CASING
Carl E. Meyerhoefer, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application March 18, 1938, Serial No. 75,914
Term of patent 14 years



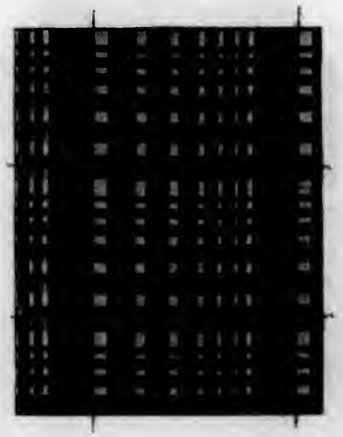
The ornamental design for a heater casing, as shown.

112,125
DESIGN FOR A DRESS
Celia Mitchell, New York, N. Y.
Application October 5, 1938, Serial No. 80,253
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

112,126
DESIGN FOR A TEXTILE FABRIC
Julia Morris, New York, N. Y.
Application October 5, 1938, Serial No. 80,263
Term of patent 3½ years



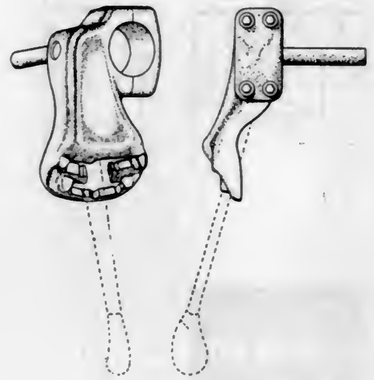
The ornamental design for a textile fabric, substantially as shown, and described.

112,127
DESIGN FOR A TEXTILE FABRIC
Julia Morris, New York, N. Y.
Application October 5, 1938, Serial No. 80,265
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

112,128
DESIGN FOR A COMBINED AUTOMOBILE GEAR SHIFT HAND SELECTOR AND HANDLE, OR SIMILAR ARTICLE
Ralph F. Peo, Buffalo, N. Y., assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application March 30, 1938, Serial No. 76,181
Term of patent 7 years



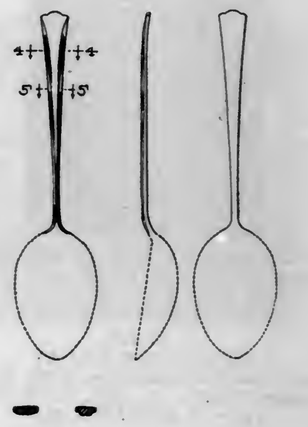
The ornamental design for a combined automobile gear shift hand selector and handle, or similar article, as shown.

112,129
DESIGN FOR A STEAM-ELECTRIC PRESSING IRON
Ernest F. Pohl, St. Louis, Mo., assignor to Steem-Electric Corporation, St. Louis, Mo., a corporation of Missouri
Application May 25, 1938, Serial No. 77,372
Term of patent 14 years



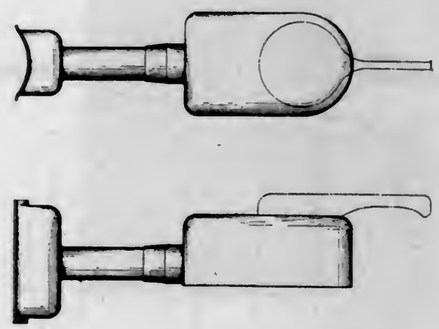
The ornamental design for a steam-electric pressing iron, as shown.

112,130
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
James Russell Price, Cranston, R. I., assignor to Gorham Manufacturing Company, Providence, R. I., a corporation of Rhode Island
Application March 9, 1938, Serial No. 75,688
Term of patent 14 years



The ornamental design for a spoon or other article of flatware, substantially as shown.

112,131
DESIGN FOR AN ELECTRIC SWITCH UNIT
Daniel E. Reed, Norwalk, Conn., assignor to Yankee Metal Products Corp., Norwalk, Conn., a corporation of New York
Application August 5, 1938, Serial No. 79,124
Term of patent 14 years



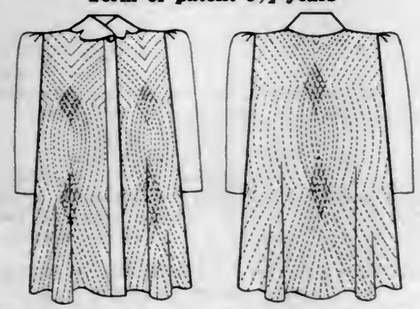
The ornamental design for an electric switch unit, as shown and described.

112,132
DESIGN FOR A TEXTILE FABRIC
Willard D. Roberson, New York, N. Y.
Application September 30, 1938, Serial No. 80,144
Term of patent 3½ years



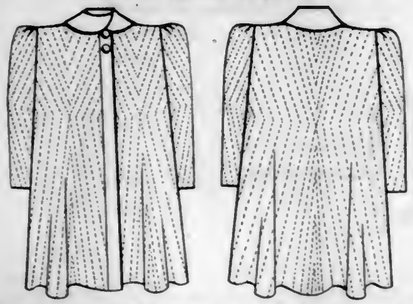
The ornamental design for a textile fabric, substantially as shown.

112,133
DESIGN FOR A COAT
Abraham Shotland, New York, N. Y.
Application October 12, 1938, Serial No. 80,396
Term of patent 3½ years



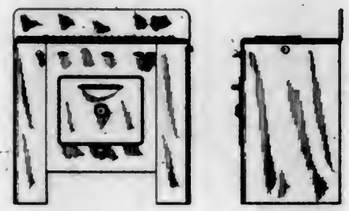
The ornamental design for a coat, substantially as shown.

112,134
DESIGN FOR A COAT
Abraham Shotland, New York, N. Y.
Application October 12, 1938, Serial No. 80,397
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

112,135
DESIGN FOR A COOK STOVE
Boyd W. Tullis, Wichita, Kans., assignor to Coleman Lamp & Stove Company, Wichita, Kans., a corporation
Application July 25, 1938, Serial No. 78,707
Term of patent 3½ years





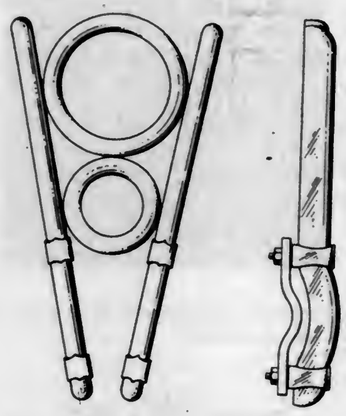
The ornamental design for a cook stove, as shown and described.

112,136
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Mark Turpan, West Englewood, N. J.
Application August 23, 1938, Serial No. 79,506
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

112,137
DESIGN FOR AN AUXILIARY GUARD FOR AUTOMOBILE BUMPERS
Thomas S. Vosbikian and Peter S. Vosbikian, Philadelphia, Pa.
Application August 2, 1938, Serial No. 79,045
Term of patent 3½ years



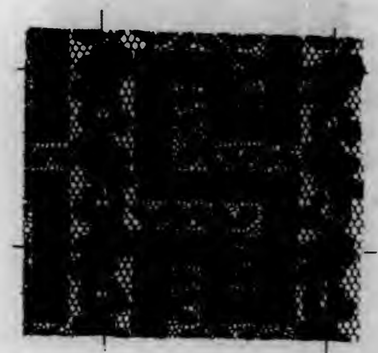
The ornamental design for an auxiliary guard for automobile bumpers, as shown.

112,138
DESIGN FOR A LACE
George M. Boysen, Philadelphia, Pa.
Application October 11, 1938, Serial No. 80,385
Term of patent 3½ years



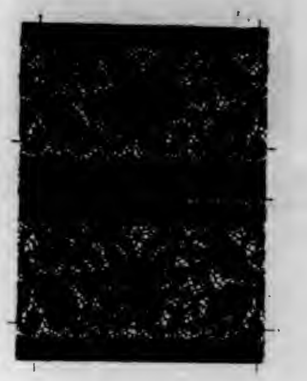
The ornamental design for a lace, substantially as shown and described.

112,139
DESIGN FOR A LACE
Bert Edson, Pawtucket, R. I.
Application October 11, 1938, Serial No. 80,386
Term of patent 3½ years



The ornamental design for a lace, substantially as shown and described.

112,140
DESIGN FOR A LACE
Bert Edson, Pawtucket, R. I.
Application October 11, 1938, Serial No. 80,387
Term of patent 3½ years



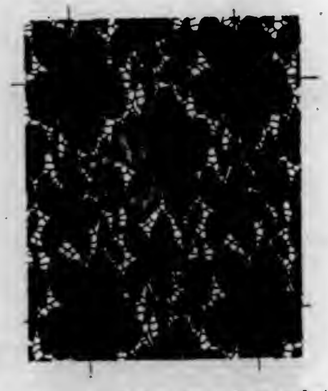
The ornamental design for a lace. substantially as shown and described.

112,141
DESIGN FOR A LACE
Bert Edson, Pawtucket, R. I.
Application October 17, 1938, Serial No. 80,502
Term of patent 3½ years



The ornamental design for a lace, substantially as shown and described.

112,142
DESIGN FOR A LACE
Bert Edson, Pawtucket, R. I.
Application October 17, 1938, Serial No. 80,504
Term of patent 3½ years



The ornamental design for a lace, substantially as shown and described.

112,143
DESIGN FOR A LACE
Bert Edson, Pawtucket, R. I.
Application October 17, 1938, Serial No. 80,505
Term of patent 3½ years



The ornamental design for a lace, substantially as shown and described.

112,144
DESIGN FOR A SHOE
Leo J. Jordan, Pasadena Park, Mo., assignor to International Shoe Company, St. Louis, Mo., a corporation of Delaware
Application August 11, 1938, Serial No. 79,239
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

Patents Nos. 2,136,358 to 2,137,218

THE
OFFICIAL GAZETTE
OF THE
United States Patent Office

Vol. 496—No. 3 TUESDAY, NOVEMBER 15, 1938 Price—$16 per year

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November 15, 1938

Trade-Marks	414—No.	362,108 to No.	362,521, inclusive.
T. M. Renewals	21		
Labels	57—No.	52,065 to No.	52,121, inclusive.
Prints	15—No.	17,115 to No.	17,129, inclusive.
Reissues	8—No.	20,914 to No.	20,921, inclusive.
Patents	861—No.	2,136,358 to No.	2,137,218, inclusive.
Designs	97—No.	112,145 to No.	112,241, inclusive.
Total	1,473		

Transfer of Subclasses

ORDER No. 3,448

U. S. PATENT OFFICE, *Washington, D. C., Oct. 29, 1938.*

The following transfer, to take effect Monday, October 31, 1938, is hereby ordered:

Subclasses 180 to 189, inclusive, class 29, Metal Working, from Division 13 to Division 14.

CONWAY P. COE,
Commissioner.

Adjudicated Patents

(C. C. P. A. Pa.) Sonneborn patent, No. 1,646,563, for box wrapping system, claims 3 to 5, 8, 13 to 16 *Held* invalid. *Autokraft Box Corporation* v. *Stone*, 98 F.(2d) 884.

(D. C. Pa.) Vogt patent, No. 1,783,864, for apparatus and process for treating materials, claims 3 and 5 *Held* invalid, but, if valid, infringed. *Girdler Corporation* v. *Abbotts Dairies*, 24 F. Supp. 551.

(D. C. Pa.) Vogt patent, No. 1,783,867, for machine for processing materials, claims 18 and 19 *Held* invalid, but, if valid, *Held* not infringed. *Id.*

(C. C. A. Pa.) Haas patent, No. 1,844,359, for identification tag, *Held* invalid. *Haas* v. *Gey*, 98 F.(2d) 884.

(D. C. Pa.) Vogt and Wymond patent, No. 1,881,106, for can filler, claim 4 *Held* valid and infringed and claim 5 *Held* valid but not infringed. *Girdler Corporation* v. *Abbotts Dairies*, 24 F. Supp. 551.

(C. C. A. N. Y.) Dreyfus patent, No. 1,903,960, for fabric and sheet material and the manufacture thereof, claims 2 and 4 *Held* valid and infringed. *Celanese Corporation of America* v. *Esseley Shirt Co.*, 98 F.(2d) 895.

(C. C. A. N. Y.) Liebowitz patent, No. 1,968,409, for apparel, claims 2 to 4, 7, 9, 10, and 11 *Held* invalid. *Trubenizing Process Corporation* v. *Jacobson*, 98 F.(2d) 899.

(C. C. A. N. Y.) Liebowitz patent, No. 1,968,410, for apparel, claims 1, 6, 7, 8, and 10 *Held* invalid. *Id.*

(C. C. A. Pa.) Kaufman patent, No. 1,969,307, for hosiery and the manufacture thereof, *Held* invalid. *Julius Kayser & Co.* v. *Rosedale Knitting Co.*, 98 F.(2d) 839.

(D. C. Pa.) Vogt patent, No. 1,972,253, for process and apparatus for preparing and packing food products, claims 3 and 4 *Held* invalid but, if valid, not infringed. *Girdler Corporation* v. *Abbotts Dairies*, 24 F. Supp. 551.

(C. C. A. Kans.) Smith patent, No. 2,008,934, for leak detector for pipe lines, claims 1, 2, 11, and 13 *Held* not infringed. *Gilmore* v. *Smith*, 98 F.(2d) 874.

Trade-Mark Registrations Canceled

55,315. Boots and shoes and leather used in their manufacture. Rice & Hutchins, Incorporated, Boston, Mass. Registered August 14, 1906. Canceled October 14, 1938.

185,074. Gloves, underwear, and hosiery. P. Centemeri & Co., New York, N. Y. Registered June 3, 1924. Canceled October 14, 1938.

199,778. Certain named clothing. White Goods Mfg. Co., Chicago, Ill. Registered June 16, 1925. Canceled October 28, 1938.

212,325. Oils, greases, gasoline, and paraffin. Georg Schicht A. G., Aussig-on-the-Elbe, Czechoslovakia. Registered April 27, 1926. Canceled October 28, 1938.

341,364. Bicycles, and parts and accessories for bicycles. Spiegel Bros. Corporation, New York, N. Y. Registered December 8, 1936. Canceled September 16, 1938.

342,247. Cleaning compound. Jack D. Nicholas, St. Joseph, Mo. Registered January 12, 1937. Canceled October 28, 1938.

343,536. Medicinal preparation. Ronald Elliroy Ney, Harrisonburg, Va. Registered February 23, 1937. Canceled October 14, 1938.

Condition of Applications Under Examination at Close of Business October 29, 1938

(Total number of applications awaiting action, excluding Trade-Mark Division, 47,568; Trade-Mark Division, 1,362. Oldest new case, Feb. 14, 1938; oldest amended, Feb. 4, 1938.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. (Act.), Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	May 2	May 12	841
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	May 20	May 28	936
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Aug. 18	Aug. 10	409
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	June 8	June 1	559
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	July 30	July 30	556
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Apr. 25	Apr. 26	1,215
5725	7. JARBOE, C. G., Optics; Photography	July 20	July 20	937
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	June 17	June 20	931
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	July 30	July 29	542
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies, and Tops; Vehicle Fenders; Spring Devices.	June 20	June 21	627
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	July 9	July 6	531
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms; Velocipedes.	Feb. 14	Feb. 4	846
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging, and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	June 16	June 16	586
5097	14. Smith, G. A., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Aug. 11	Aug. 11	484
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	June 17	June 17	1,148
5716	16. SPENCER, C. J., Telegraphy; Telephony	May 12	May 3	901
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	May 31	June 7	737
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	May 12	May 23	600
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	June 7	June 8	755
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	July 11	July 9	451
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	July 30	Aug. 2	450
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	July 14	July 15	627
7624	23. BUTTNER, W. J., Registers (part)	Mar. 2	Feb. 11	322
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	July 28	Aug. 2	571
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	June 28	June 27	604
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	June 29	June 30	573
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	Apr. 25	Apr. 28	1,166
4628	28. SOLYOM, H. L., Internal-Combustion Engines	June 4	May 20	555
5062	29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables.	May 17	May 18	794
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	May 7	May 4	892
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	July 29	July 29	669
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	July 22	July 25	603
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	June 9	June 18	864
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	July 14	July 19	357
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	June 18	June 18	776
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Apr. 30	May 20	654
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Apr. 25	Apr. 22	935
3064	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Plastic Compositions.	Apr. 4	Apr. 5	727
4878	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution; Railway Draft Appliances.	June 9	June 9	636
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	May 27	May 27	1,423
7612	41. WHITNEY, M. L., Typewriting Machines; Coin Handling; Recorders; Registers (part)	July 2	July 11	289
5882	42. CUTTING, H. O., Electric Signaling	Mar. 19	Feb. 28	858
4886B	43. KLINGE, E. F., Medicines, Poisons, and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	June 17	June 17	545
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages	June 2	May 31	725
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	May 19	June 15	802
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	June 4	June 15	663
6062	47. LOWE, E. R. (Act.), Clutches; Brakes	June 20	June 21	605
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	July 8	July 5	539
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Mar. 31	Apr. 11	1,088
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	May 20	May 20	1,113
5628	51. BACKUS, C. D., Radiant Energy	July 18	July 18	816
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	July 22	July 23	816
6897	53. PECK, M. K., Brooks; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	July 12	July 16	652
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes	July 30	Aug. 1	471
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	May 7	Apr. 13	1,320
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	June 2	June 3	1,071
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	June 17	June 18	526
6605	58. DOWELL, E. F., Abrading; Bottles and Jars	July 6	July 26	383
4709	59. SHEPARD, P. W., Chemistry: Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part); Substance Preparation.	July 5	July 12	753
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	June 16	June 13	532
6724	61. PARKS, G. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	May 13	May 10	618
5621	62. PUGH, E. C., Games; Geometrical Instruments	July 26	July 26	580
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation	June 29	June 24	499
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	June 8	June 8	1,099
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Apr. 30	Apr. 30	687
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND {Trade-Marks	Sept. 29	Oct. 14	1,284
	{Labels and Prints	Oct. 20	Oct. 22	78
2005	Designs, H. H. KALUPY	Sept. 19	Oct. 14	737

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

Brand v. Thomas

No. 3,927. Decided April 25, 1938

[96 F.(2d) 301]

1. Interference—Sufficiency of Disclosure in Application.

"Unquestionably it is the law that an applicant for a patent sufficiently discloses his invention if one skilled in the art follows his teachings and produces the device in operative form without the exercise of invention. If in producing the device he makes it operative by adding additional features, old in the art, the addition of which does not amount to invention, it may be said that he has done nothing more than to follow the teachings disclosed."

2. Same—Same—Right to Make Patented Claims.

"The law is well settled that one who extracts claims from an issued patent must show a clear prior disclosure. * * * Lack of clear disclosure is not supplied by a speculation as to what one skilled in the art might do or might not do if he followed the teaching of the inventor. The disclosure should be clearer than to suggest that one skilled in the art might construct the device in a particular manner."

3. Same—Priority—Right to Make Counts.

Record review and *Held* that the senior party T can not make the counts copied from the patent to the junior party B and that priority should have been awarded to B.

Appeal from the Patent Office. Reversed.

Mr. C. B. Des Jardins (*Mr. George Ramsey* and *Messrs. Church & Church* of counsel) for Brand.

Mr. H. Frank Wiegand (*Mr. Edwin R. Hutchinson* and *Mr. William Lang* of counsel) for Thomas.

Bland, *J.*:

The junior party, Samuel Brand, has appealed here from a decision of the Board of Appeals of the United States Patent Office, affirming that of the Examiner of Interferences in awarding priority of invention in four counts of an interference proceeding to the senior party, Felix Thomas.

The four counts of this interference were copied by Thomas from the Brand patent, No. 1,917,356, issued July 11, 1933, on an application filed September 9, 1929, for a cash register. The Thomas application, Serial No. 676,237, is a renewal of an application filed November 22, 1923, for "Accounting apparatus."

Count 1 is illustrative of the four counts in issue and follows:

1. In a machine of the class described, capable of transferring a total from any one of *a plurality of a group of totalizers on a common axis to another totalizer on the same axis*, the combination of a plurality of totalizers on a common axis; selecting means for said totalizers; auxiliary selecting means; controlling means to render said auxiliary selecting means effective; and means to render said controlling means effective. [Italics ours.]

The Brand patent discloses a mechanism by means of which amounts may be automatically transferred from any of a plurality of totalizers located all in one line to another totalizer known as the grand totalizer located on the same line.

The Thomas application discloses certain features relating to improvements in accounting apparatus in which amounts or totals from one accumulator are transferred to another by mechanism which is controlled by manually placed switches or electrical contacts.

The particular invention which is here in controversy relates to only a portion of the structure of each of the parties. It is very definitely stated in the counts and, in view of our conclusion, requires no further detailed explanation at this point.

Prior to the declaration of the interference, the Primary Examiner had ruled that the counts at bar, which were claims of the Brand patent, did not read on the Thomas disclosure. After much Patent Office action involving appeals, this ruling was not adhered to and the interference was declared.

Brand moved to dissolve the interference, asserting, inter alia, that the counts did not read on the Thomas disclosure. There were a number of other grounds for dissolution urged by Brand, most of which are sought to be presented here. Since our decision of the issue of priority turns upon and is controlled by our holding on the above-stated ground for dissolution, it is not necessary for the others to be stated.

Each of the counts in substance calls for, in combination, a group or plurality of totalizers on a common axis. It is the contention of Brand that the totalizers of Thomas are not on a common axis. The Brand specification, however, as is pointed out by the tribunals below, broadens the meaning of the term "on a common axis" to that which would result if the term read "in axial alignment" or as if the totalizers were on the same or substantially the same axial line. The Brand patent discloses that all the totalizers are on a common shaft and necessarily must be in exact alignment.

We think that the tribunals were correct in so interpreting the counts and the only question necessary for us to decide, in view of our conclusion, is whether or not Thomas discloses his totalizers to be in axial alignment.

Appellant has urged, and we think correctly, that under the circumstances of this case the burden was upon Thomas to show that he had clearly disclosed the elements of the counts before he will be permitted to extract from an issued patent the invention at bar. *Cooper* v. *Downing*, 45 App. D. C. 345, 230 O. G. 909; *Lindley* v. *Shepherd*, 24 F.(2d) 606, 370 O. G. 513; *Steenstrup* v. *Morton*, 58 App. D. C. 343, 30 F.(2d) 867, 382 O. G. 571.

While it is true that at one time during the prosecution of the Thomas application it was held in the Patent Office that Thomas did not disclose the structure of the counts, there are now before us concurring decisions to the contrary, and under such circumstances, a highly technical question being involved, the usual rule relating to concurring

decisions applies and the decision of the Board of Appeals will not be reversed unless it is manifestly erroneous. On the subject of the Thomas disclosure showing his totalizers as being in axial alignment, the Board said:

> In the Thomas application as filed, *there is no description of the totalizers as being in axial alignment and no showing which necessarily involves such a relationship. Moreover, it is not essential to the operativeness of the Thomas apparatus that these totalizers be in axial alignment.* Fig. 1b shows three groups of totalizers, the totalizers of each group being in axial alignment and the various groups being apparently in the same relation. The totalizers of each group are driven from a shaft which is common to all groups and the read-out switches are likewise carried by a shaft which is common to all groups of totalizers. [Italics ours.]
>
> Appellant urges that, even if Fig. 1b be construed to disclose the actual arrangement of the parts rather than the diagrammatic relation, the totalizers of the various groups might still be out of alignment. *We agree with appellant that this is true. However, from the showing of Fig. 3 and from the showing of the general assembly in other patents referred to by Thomas, we think it clear that the totalizers are all in alignment.* The totalizer assembly is made up of units which are shown in detail in the Lake patents to which reference is made and *we think it inconceivable that in using a plurality of such units the construction thereof should be made different, especially as it is desirable and shown that the totalizers be all visible through aligned sight openings at the front of the apparatus.* In our opinion the Thomas disclosure fairly satisfies the limitation of the counts that the totalizers be mounted on a common axis. [Italics ours.]

It will be noticed that the Board found that axial alignment of the totalizers was not shown either in the description or the drawings of the Thomas application alone; that in the Thomas structure it was not essential to the operativeness of the machine that the totalizers be in axial alignment; and that Fig. 1*b*, even if considered as not being diagrammatic, does not disclose them as being in alignment. The holding of the Board is to the effect that taking into consideration Fig. 3 of the Thomas patent and the general assembly of other patents—Lake Patent No. 1,379,268 of May 24, 1921, and Lake Patent No. 1,822,594 of September 8, 1931—which had been referred to in the Thomas specification (though not to suggest the particular feature here under consideration), and taking also into consideration the fact that it would be desirable to put the totalizers in alignment so as to make them readily visible through the aligned sight openings, the totalizers of Thomas should be regarded as in alignment.

As we understand the theory of the Board's decision, it approves the views expressed by the Examiner to the effect that the particular structure defined by the claims relating to the axial alignment of the totalizers is old in the art, and that anyone skilled in that art who would follow the teachings of the Thomas application could and would construct a machine corresponding to the counts.

[1] Unquestionably it is the law that an applicant for a patent sufficiently discloses his invention if one skilled in the art follows his teachings and produces the device in operative form without the exercise of invention. If in producing the device he makes it operative by adding additional features, old in the art, the addition of which does not amount to invention, it may be said that he has done nothing more than to follow the teachings disclosed. This principle is supported by *Cooper* v. *Downing*, supra, and numerous other cases not necessary to cite here.

We are of the opinion that the instant case is not controlled by the above-recited principle. While it may be true that the prior art shows machines in many respects resembling those at bar in which the totalizers were in actual alignment, we do not think that the Thomas specification sufficiently points out this fact to warrant the conclusion that one who attempted to build the Thomas structure, though skilled in the art, would necessarily place the totalizers in axial alignment. The Board has found, and properly so, that it would not be necessary for him to do so, but it is the view of the Board that he would do so.

It must be remembered that the Brand machine is so constructed that the totalizers must be in axial alignment and that the invention of the counts rests, it seems to us, in the combination of this feature with the other features which are dependent upon it. That is not true of Thomas. His device is so radically different from that of Brand and operates on such an entirely different principle that it is immaterial whether the totalizers are in axial alignment or not.

The doctrine which Thomas seeks to apply here is one quite similar to the doctrine of inherency. If one discloses a device in a patent application that must inherently do a certain thing, he necessarily discloses that function or that thing, even though he says nothing concerning it. But here is a finding of the Board, unquestioned by the appellee, that there would be no particular reason, unless the inventor was copying certain patents in the prior art, to place the totalizers in alignment.

[2] As before stated, the law is well settled that one who extracts claims from an issued patent must show a clear prior disclosure. We do not think that the Thomas disclosure clearly discloses the axial alignment of the totalizers. Lack of clear disclosure is not supplied by a speculation as to what one skilled in the art might do or might not do if he followed the teaching of the inventor. The disclosure should be clearer than to suggest that one skilled in the art might construct the device in a particular manner. Moreover, as has been said in so many well-considered cases where similar questions were under consideration, the Thomas device is so different from that of Brand, and the invention claimed and the features of his machine as disclosed differ from that of Brand to such a degree that the counts in controversy would be out of place in the Thomas application. No one writing claims originally in the Thomas application would think of adopting the language of these counts and describing his invention. It is true that this last consideration cannot be the sole test because it is well settled that one who takes out broad claims in a patent will not be permitted to narrow them for the purpose of avoiding an interference. However, we see nothing unusually broad about the counts at bar, certainly nothing sufficiently broad to warrant a holding that they are readable on the Thomas structure. It seems to us that the counts at bar accurately, definitely, and specifically (and without unwarranted broadness) describe the Brand structure.

In *Railway Co.* v. *Sayles*, 97 U. S. 554, 563, the Supreme Court of the United States announced the following principle:

> * * * The law does not permit such enlargements of an original specification, which would interfere with other inventors who have entered the field in the mean time, any more than it does in the case of reissues of patents previously granted. Courts should regard with jealousy and disfavor any attempts to enlarge the scope of an application once filed, or of a patent once granted, the effect of which would be to enable the patentee to appropriate other inventions made prior to such alteration, or to appropriate that which has, in the meantime, gone into public use.

Numerous cases might be cited where the courts have refused to let the language of claims be stretched and distorted to cover the structure of another application the invention of which was so unrelated to the other as to make the claims when carried into the application read inaptly upon the structure. For instance, in *Cleveland Gas Burner & Appliance Co.* v. *American Heater Corp.*, 38 F.(2d) 760, 763, 4 U. S. Pat. Q. 185, the court said:

> Furthermore, we are strongly of opinion that claim 5, as taken bodily from the co-pending application, is an interloper in this patent, and finds no suggestion or support in the specification. It is like the cowbird's egg deposited in the nest of another bird. It simply "does not belong." * * *

To this may be added language used by the courts in *Dooley Improvements, Inc.*, v. *Motor Improvements, Inc.*, 18 F. Supp. 340, 32 Pat. Q. 279, and in many other equally sound decisions.

[3] In view of our conclusion that the counts do not read on the Thomas structure, it is unnecessary for us to consider the other grounds of dissolution urged by appellant and the corresponding reasons of appeal to this court. The decision of the Board of Appeals, affirming that of the Examiner of Interferences in awarding priority to the appellee, Thomas, being manifestly wrong, is reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

IN RE MCKEE

No. 3,953. Decided April 25, 1938

[96 F.(2d) 294]

PATENTABILITY—CONTINUING APPLICATION—RES ADJUDICATA—METHOD OF TREATING MEAT.

Certain claims for a method of treating meat *Held* unpatentable on the ground of res adjudicata by virtue of this court's decision affirming the rejection of certain claims in a previously filed application, now abandoned, of which the present application is a continuation, and also on the ground that the inclusion in this application of a feature old in the prior art did not lend patentability to claims identical with claims rejected in the earlier application or to claims which differed from such claims only by the recitation of said feature old in the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Roy W. Johns for McKee.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

BLAND, *J.*:

The Board of Appeals of the United States Patent Office affirmed the action of the Primary Examiner in denying patentability of ten claims of appellant's patent, being numbered claims 1 to 6, inclusive, and 10 to 15, inclusive. From the decision of the Board appellant has appealed here. In this court appellant moved to dismiss the appeal as to claims 3 and 4, which motion is granted.

The alleged invention relates to an industrial method of treating meats which method is sufficiently set out in the claims. Claim 15 is illustrative of the claims on appeal and follows:

> 15. The method of packing meat which comprises freezing a carcass part, knife slicing while frozen, gathering together while frozen a plurality of the slices with their cut surfaces in contact with one another, and maintaining the same at freezing temperatures with the cut surfaces contacting until the said slices are separated.

Claims 7, 8, and 9 of appellant's application, which are chiefly concerned with quickly chilling and then tempering meat before slicing the same were allowed.

The examiner rejected the claims upon two grounds and the Board affirmed the Examiner on both grounds. The first ground of rejection was that of res adjudicata, it being held that said ground applied by virtue of this court's affirmance of the Patent Office rejections of certain claims in a previously filed application of which the present application is a continuation, the former application having been abandoned. This ground is stated by the Examiner in the following terms:

> *History of the case*
>
> This case is a continuation of a previously filed case, Serial No. 368,941, filed June 6, 1929, and now abandoned.
>
> The disclosure in the instant case is practically a duplicate of the parent case as originally filed. The instant claims, 3 to 6, inclusive, are identical with claims 3, 5, 6, and 7, respectively, in the parent case. The instant claims 1, 2, and 10 to 14, inclusive, are identical with claims 1, 2, and 18 to 22, inclusive, respectively, in the parent case, except that the word "knife" has been added in the instant claims before the word "slicing." Claim 15 is substantially identical with claim 25 in the parent case, except that in claim 15 the term "knife" appears before "slicing."
>
> It will be noted the following amendment was inserted on page 11 in the parent case:
>
> "The term 'slice' as used herein refers to a minor division of the carcass part, and the term 'slicing' refers to the separation of the carcass, or carcass part, into such minor divisions in whatever manner may be employed, as for instance, by means of a knife, chopping tool, or saw."
>
> The present specification differs from that in the parent case in that the above quoted amendment has been omitted.
>
> All of the claims in the parent case corresponding to the instant claims, as above set forth, were held unpatentable by the Court of Customs and Patent Appeals. (*In re McKee*, 22 C. C. P. A. 1010.) A certified copy of the court's decision appears in the instant file, paper No. 5.
>
> *Rejection on res adjudicata*
>
> All the claims were rejected on the ground of res adjudicata. As above pointed out, the instant appealed claims 3 to 6 are identical with claims held unpatentable by the court. The remainder of the instant appealed claims differs from the corresponding claims held unpatentable by the court only in the added limiting term knife in describing the slicing step. Since knife slicing is specified in present claims 5 and 6 (claims 6 and 7 in the parent case), it is apparent that insofar as the slicing step is concerned, the remaining claims on appeal add nothing different in this respect from what has already been adjudicated by the court.

The Board of Appeals in sustaining the action of the Examiner on the ground of res adjudicata did so for substantially the same reasons as those assigned by the Examiner, and said:

> The claims in this case stand rejected on the ground of res adjudicata. Certain of the appealed claims are identical with claims held unpatentable by the court and other claims are amended slightly by the addition

of the word "knife" in describing the slicing step. We note, however, that claims 6 and 7 in the parent case, being present claims 5 and 6, specified slicing by means of a knife blade cutter so that this alleged distinction was presented in the claims before the court. The court, in discussing the definition of the term "slicing" in the application before them, stated that in view of the broad definition given by appellant it would include the use of a chopping tool or saw and therefore that the prior art patents to Hoy and Vaughan more especially were pertinent references. The court made this statement:

"If there be anything inventive in the slicing of frozen meat, as to which point we are not called upon here to express an opinion, this feature is amply anticipated by the disclosure of Hoy."

Appellant urges that as the court relied on the broad meaning for the term "slicing" in the parent case, and inasmuch as this broad definition is omitted in the present application, the instant claims are now patentable. The Examiner was not convinced of that fact and neither are we. From the notation above given from the court decision it is apparent that it felt the patent to Hoy disclosed the slicing of frozen meat and inasmuch as applicant conceded in the prior case that a knife, a chopping tool and a saw are equivalents and inasmuch as they seem to be equivalents in the art, we believe the holding of the court should apply to the claims in the present case. * * *

We are in agreement with the Examiner and the Board in their decisions rejecting the claims here on appeal on the said ground of res adjudicata. As has been pointed out, certain of the claims are identical with the rejected claims of appellant's application which were before this court in *In re McKee*, 22 C. C. P. A. (Patents) 1010, 75 F.(2d) 635, 457 O. G. 245. Other claims are differentiated from the said claims which were before this court in said appeal only by including the word "knife" before the word "slicing," or "knife blade" before "slicing machine." It is true that in the instant application an amendment which was inserted in the parent application has been omitted. The amendment reads:

The term "slice" as used herein refers to a minor division of the carcass part, and the term "slicing" refers to the separation of the carcass, or carcass part, into such minor divisions in whatever manner may be employed, as for instance, by means of a knife, chopping tool, or saw.

Appellant urges here that knife slicing lends invention to the claims at bar over those which were rejected in the last above referred to application. This court pointed out that McKee in the application before the court in the former case had broadened the meaning given the term "slicing" by the amendment so as to include the use of a "knife, chopping tool, or saw," and the court observed that if there was anything inventive in the slicing of frozen meat, the patent to Hoy, 1,129,868, of March 2, 1915, which disclosed knives for cutting meat amply anticipated the knife cutting in the case then on appeal.

Certainly, there was nothing stated in *In re McKee*, supra, that would suggest that the court was of the opinion that invention might rest in the knife slicing of meat, since the Hoy disclosure was pointed out.

We agree with the Board that under the circumstances above recited, the knife slicing feature in the claims did not impart patentability to them since it is old in the prior art, and since appellant in the abandoned application which was before this court in *In re McKee*, supra, conceded and taught that a knife, a chopping tool, or a saw were equivalents.

The appeal as to claims 3 and 4 is dismissed. As to the claims remaining in the case, numbered 1, 2, 5, 6, and 10 to 15, inclusive, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE CRABBS

No. 3,926. Decided June 6, 1938

[97 F.(2d) 349]

1. ANALOGOUS ART—ASPHALT SHINGLES AND ASBESTOS CEMENT SHINGLES.

Shingles made of a base consisting of roofing felt or similar material saturated with waterproofing substances, coated with asphalt or its equivalent, and then given a surface coating of a crushed mineral substance *Held* analogous to shingles made of asbestos fiber and cement.

2. PATENTABILITY—ASBESTOS CEMENT SHINGLES.

Certain claims relating to improvements in asbestos cement shingles *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. George W. Mills, Jr., (*Mr. Albert F. Robinson* of counsel) for Crabbs.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

HATFIELD, *J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 4 to 9, inclusive, and 16 to 22, inclusive, in appellant's application for a patent for an alleged invention relating to improvements in asbestos cement shingles.

Claims 6 and 21 are illustrative of the appealed claims. They read:

6. In an asbestos cement shingle a body having an exposable surface formed of ridges and intervening furrows, said ridges and furrows being irregular in height and irregular in depth, the shingle being of greater density in the portions underlying the furrows than in the portions underlying the ridges, the under surface of said shingle being arranged in substantially the same plane.

21. In an asbestos cement strip, a body portion of substantial thickness, a relatively plane undersurface and a top surface with exposable portion thereof provided with irregularly arranged ridges and intervening irregularly arranged furrows predominantly longitudinally disposed, thereby providing an exposed surface simulating a weather aged appearance.

The references relied upon by the tribunals of the Patent Office are: Scharwath et al., 1,404,483, January 24, 1922; Perry, 1,451,369, April 10, 1923.

It will be observed from the appealed claims that appellant's shingle has a relatively plane undersurface, and a top surface provided with "irregularly arranged ridges and intervening irregularly arranged furrows predominantly longitudinally disposed". The exposed surface of the shingle simulates a weather-aged appearance.

Appellant stated in his application that, due to efflorescence, the free lime in asbestos cement shingles rises to the surface and causes discoloration; that by breaking up the surface of the shingle into irregular ridges and longitudinal grooves, such discoloration is greatly counteracted; that, due to the "irregular heights and depth of the ridges and furrows, * * * shadows of different intensities" are created, giving the shingle a "weather aged effect"; that the free lime tends to gather in

the longitudinal grooves, leaving the ridges or elevations substantially free from such deposits; and that the shadows caused by the ridges appear in the valleys, preventing, to some extent, the visibility of the lime deposits.

Appellant's shingles are made by subjecting smooth-surface shingle blanks to a die press, whereby the density of the material in the recessed portions is increased. In other words, the shingles are so made that the depressed or recessed portions have "densified reinforcing".

The patent to Scharwath et al. discloses a press-molded asbestos cement shingle having its exposed upper surface "ribbed or corrugated". The patentees stated that the exposed upper surface of their shingle was—

"broken by a plurality of substantially parallel longitudinally extending ridges * * * and by substantially transversely extending parallel curved intersecting ridges * * *, of comparatively small height * * * merely * * * sufficient to make pronounced markings or roughening of the surface,"

and that one of the objects of their invention was to prevent glare, ordinarily present in roofs composed of "artificial shingles". This patent does not teach that the recessed portions in the patentees' shingles should be reinforced by making them more dense.

Both of the references relied upon in this case were before us in the case of *In re Smolak and McQuade*, 24 C. C. P. A. (Patents) 1132, 88 F.(2d) 838, 484 O. G. 738. We there described the patent to Perry as follows:

The patent to Perry relates to a strip shingle in which a substantially homogeneous material is used. In his specification the patentee states that "the impressions are in the main or body portion of the construction strips, which has distributed therethrough the fibrous material, and which is of a homogeneous material capable of receiving and permanently retaining impressions of the desired sort and not merely in any superficial coating on such strips"; that the depressions or grooves may be either straight or curved, and may be of any desired shape, depth, or width; that "It is, of course, to be understood that in the articles which are the object of my invention the depressions are deep enough to provide of and by themselves the desired appearance of separate unit shingles or tiles without in any way relying on the use of pigmenting or similar materials of various classes to produce the desired effect." After giving various examples, the patentee states that "any other desired form of groove or depression may be used"; that they may "be *made by pressing the strip between rolls having projections corresponding to the depressions desired*", or they may "be made by hand or in any other feasible manner"; *and that the depressed or corrugated portions, being of increased density "due to their having been compressed, act as mechanical strengthening members"*. [Italics not quoted.]

The patent to Perry teaches the advisability of reinforcing the sections beneath the depressions or corrugations by increasing their density precisely as does appellant. Furthermore, the patentee suggested that any form of groove or depression might be used, and that they might be formed by pressing the strip or shingle between rolls having proper projections and corresponding depressions. The patentee further stated that the depressions or grooves might be either straight or curved, and of any desired shape, depth, or width.

Neither of the references, however, shows the precise design called for in the appealed claims.

It is argued by counsel for appellant that the "substantially transversely extending parallel curved intersecting ridges", disclosed in the Scharwath et al. patent would prevent proper drainage, and that discoloration of the patentees' shingles would result.

The Primary Examiner stated in his decision that the longitudinal grooves in appellant's shingle "are discontinuous with each other and in most instances surrounded by ridges". The Examiner was evidently of opinion that there was no great difference, so far as the matter of drainage is concerned, between the Scharwath et al. shingle and appellant's shingle, although he stated that—

"In spite of the advantages of appearance, drainage, and lime collecting applicant alleges his shingle obtains over the art, his claimed structure is not believed to be patentable."

The Examiner further stated:

Appearance may be changed at will without invention. *Drainage does not appear to be a material problem*, especially as shingles are always laid at an angle to the horizontal, and applicant's grooves do not appear to be especially designed to create drainage channels but merely perform that function incidentally. The lime collecting feature would exist in any grooves, for example, those of Scharwath, and applicant's design thereover merely produces irregular grooves. To produce an irregular appearance so as to conceal defects, etc. is considered but design skill and not mechanical improvement. [Italics ours.]

It is obvious from an examination of the drawings in appellant's application that the longitudinal grooves in his shingle are frequently interrupted by ridges. Those ridges must necessarily tend to prevent rather than promote proper drainage. It may be that they do not interfere with the free flow of water to the same degree and extent as do the transverse ridges in the Scharwath et al. shingle; nevertheless, as hereinbefore noted, the patent to Perry plainly states that a shingle of the type there disclosed might have corrugations of any desired shape, depth, or width. Furthermore, although counsel for appellant argues that the longitudinal grooves in appellant's shingle tend to promote drainage and that appellant's shingle has utility in that respect, and although a similar view is expressed in the affidavit of one Harold W. Greider (a research chemist, engaged in research work in connection with asbestos-cement, and asphalt, roofing materials), no such claim is made in appellant's application. It is further argued by counsel for appellant that the patent to Perry is from a nonanalogous art, and that, therefore, it cannot be combined with the patent to Scharwath et al. for the purpose of negativing patentability of the appealed claims.

If the patent to Perry is from a nonanalogous art, the contentions made by counsel for appellant in that regard are sound. *In re Reichel*, 23 C. C. P. A. (Patents) 1293, 84 F.(2d) 221, 473 O. G. 772.

It is true, as argued by counsel for appellant, that Perry's shingle was made of a base consisting of roofing felt or similar material saturated with waterproofing substances, coated with asphalt or its equivalent, and then given a surface coating of a crushed mineral substance, such as slate, mica, or sand; whereas, appellant's application calls for shingles made of asbestos fiber and cement; nevertheless, the patent to Perry relates to the art of making shingles, and specifically teaches that any

homogeneous material *"capable of receiving and permanently retaining impressions of the desired sort"* might be used. [Italics ours.]

[1] Accordingly, we are of opinion that the Perry patent is not from a nonanalogous art, and that, upon reading that patent, it would be obvious to one skilled in the art that corrugations and ridges of any desired shape or depth might be formed, by compression, in a shingle composed of asbestos fiber and cement, and that the density of the material in the recessed portions could be increased by such compression. See *In re Christian L. Schneider*, 18 C. C. P. A. (Patents) 1114, 47 F.(2d) 970, 410 O. G. 3; *In re Raleigh*, 20 C. C. P. A. (Patents) 751, 62 F.(2d) 200, 428 O. G. 517. In so holding, we are not unmindful of the fact that so-called "asphalt roofing" and "asbestos-cement roofing" are made by different processes and on different machines, and that manufacturers of those two types of roofing are confronted with different problems with regard to "resisting weather conditions", as stated in the affidavit of Harold W. Greider.

In the Smolak and McQuade case, supra, this court considered the patentability of a shingle, which was defined in one of the claims there involved as follows:

21. A preformed non-inflammable structural unit, adapted for use as a siding slab, shingle, and the like, consisting chiefly of asbestos fibers and Portland cement and including, on the face thereof, elevated portions extending in irregularly longitudinal manner and to irregularly varying elevations, depressed portions alternating with the elevated portions and extending in irregularly longitudinal manner and to irregularly varying depths, and intermediate portions of irregularly sloping surfaces defined between the said elevated and depressed portions, whereby the unit is adapted to reflect light in diffuse manner.

and held, in view of the references (particularly the patent to Perry) here involved, that—

It being old to make press molded fireproof shingles by combining asbestos fibers and cement, the exposed surfaces of the shingles having indentations, corrugations, or grooves, thereby preventing the glare ordinarily present in roofs composed of artificial shingles, and it being old, as taught by the Perry disclosure, to make strip shingles of homogeneous material, and to form corrugations therein of *any desired shape or depth by compression*, we are of opinion, as was each of the Patent Office tribunals, that the appealed claims are not patentable over the prior art. [Italics not quoted.]

[2] The similarity between claim 21 involved in the Smolak and McQuade case, supra, and the claims now before us is obvious. We are of opinion that the involved claims are not patentable over the references, and that the tribunals of the Patent Office reached the right conclusion.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

GOODALE *v.* LUND

No. 3,931. Decided May 31, 1938

[96 F.(2d) 840]

INTERFERENCE—PRIORITY.

Record reviewed and *Held* that the junior party L reduced the invention to practice prior to the filing date of the senior party G and that since the latter took no testimony priority was properly awarded to L.

APPEAL from the Patent Office. Affirmed.

Mr. Elmer Stewart for Goodale.

Mr. Donald M. Carter for Lund.

HATFIELD, *J.*:

This is an appeal in an interference proceeding from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner of Interferences awarding priority of invention of the subject matter defined in the counts in issue—1 to 4, inclusive—to James K. Lund, appellee.

The invention in issue relates to air valves for steam radiators. The valves are designed to permit air to be expelled, prevent the escape of steam or water, and maintain a vacuum in the "system."

Count 2 is sufficiently illustrative of the involved counts. It reads:

2. In a steam radiator valve, a valve casing having a seat, a valve adapted to engage the seat, a thermostatic container to close the valve in the presence of heat, a bellows of inherent coil spring tendencies which engages the thermostatic container and tends to close the valve when pressure in the valve casing is less than pressure in the bellows, means for always admitting atmospheric air pressure to the bellows, and means for preventing excessive collapse of the bellows in the presence of external pressure.

The interference is between appellant's application No. 661,604, filed March 18, 1933, and appellee's application No. 689,841, filed September 18, 1933.

Appellee is the junior party and the burden was upon him to establish priority of invention by a preponderance of the evidence.

In his preliminary statement, appellant alleged conception of the invention in March, 1932, and reduction of it to practice on November 2, 1932. However, he submitted no evidence, and is, therefore, restricted to his filing date—March 18, 1933—for conception and reduction to practice.

In his preliminary statement, appellee alleged conception of the invention June 1, 1930; disclosure of it to others on the same date; and reduction to practice July 1 of that year. Appellee submitted considerable evidence. It clearly appears therefrom that appellee conceived the invention as early as August 1, 1930, as held by each of the tribunals of the Patent Office. That holding by the Board of Appeals is not challenged by counsel for appellant.

The tribunals of the Patent Office concurred in holding that appellee had successfully reduced the invention to practice as early as January, 1931, but that if on appeal it should be held that the tests to which appellee's valve was subjected were not sufficient to establish a successful reduction to practice as early as January, 1931, appellee had clearly established that he was diligent from August, 1930, to the time of the filing of his application (September, 1933), and was, therefore, entitled to an award of priority.

Counsel for appellant contends that the evidence is insufficient to establish either that appellee successfully reduced the invention to practice prior to his filing date, or that he was diligent in attempting to complete the invention immediately prior to appellant's filing date—March 18, 1933—and thereafter until appellee filed his application—September 18, 1933.

It appears from the uncontradicted evidence of record that appellee's valve (Exhibit No. 3), which conforms to the counts in issue, was tested in the air valve department of the Dole Valve Company, appellee's assignee, on an apparatus "designed to simulate conditions of a heating system." The apparatus referred to by the witnesses consists of a "steam test rack" and a "vacuum test rack."

The following description of the "steam test rack" is taken from the testimony of the witness Stanwich:

Q. 22. What was this test rack you have spoken of?
A. This *test rack is the same as a steam radiator*, which has a series of approximately three inch diameter pipes which are mounted vertically and have a number of tapped holes into which the air valves are screwed into. They are again tested for air venting and steam shut off.
Q. 23. And what is done to the rack when these valves are tested for air venting?
A. The valves are in the rack when they are tested. The air goes into the testing rack and goes through the valves. It goes through the pipes into where the valves are screwed into it.
Q. 24. And how are the valves tested for steam shut off?
A. The air is shut off, and the steam is then turned on, the steam going through the pipes and through the valves. They are then tested with a small chrome plated disc which is put alongside the venting hole. If any steam shows on the disc, the valves are rejected. [Italics ours.]

Photographs of the "steam test rack" were introduced in evidence as Exhibits Nos. 6 and 7.

Exhibit No. 3 was also tested on a "vacuum rack" to see if it held vacuum. A photograph of the vacuum rack was introduced in evidence as Exhibit No. 8.

The procedure followed in making the tests to which Exhibit No. 3 was subjected was related by the witness Grosso. His testimony in that regard is as follows:

Q. 24. And when was this valve Lund Exhibit 3 assembled by you?
A. In August, 1930.
Q. 25. What was done with this valve Lund Exhibit 3 after you assembled it?
A. I then put that on steam test and tried it out and it worked good, *so I tried it out on vacuum, and it worked perfect.* Then I put it back on the steam tester and left it there for a period of three years, and every week, some times every two weeks, I *would take the valve off of the steam test rack and would put it on the vacuum rack there to see if it held vacuum;* when it did, we would put it back on the steam rack again and leave it there.
Q. 26. Then as I understand you, *you changed the valve back from the steam test rack to the vacuum rack every week or so, and this continued for a period of about three years.*
A. *Right.* [Italics ours.]

It is clear from the evidence that the tests described by the witnesses were continued for about three years; that the valve operated successfully during that period of time; that the Dole Valve Company had experienced difficulty with another type of air valve patented by appellee, referred to in the record as valve "2B"; and that as that company was desirous of giving a five-year guarantee on valves of which Exhibit No. 3 is representative, the exhibit was subjected to a long and protracted test not for the purpose of ascertaining whether the valve would operate successfully, but rather to determine whether it would operate successfully over an extended period of time. It further appears from the evidence that in the fall of 1933, shortly after the completion of the three-year tests hereinbefore referred to, valves like Exhibit No. 3 were produced commercially by the Dole Valve Company, and, at the time of the taking of the testimony in this case (August, 1935), more than 40,000 of them had been produced and sold.

It is argued by counsel for appellant that the evidence does not disclose the basis for the assertions by the witnesses that the tests to which Exhibit No. 3 was subjected were successful.

In answer to that argument, it may be said that the witnesses definitely stated, as indicated in the quoted excerpt from the testimony of the witness Grosso, that Exhibit No. 3 worked perfectly on both the steam testing rack and the vacuum rack; that is, it prevented the escape of steam while permitting air to be expelled, and held vacuum when placed on the vacuum rack. Furthermore, the witness Pratt, salesman in the air valve department of the Dole Valve Company, stated that he had seen Exhibit No. 3 on the steam test rack and the vacuum rack in December, 1930, and frequently thereafter for a period of about three years. We quote from his testimony with reference to the success of the tests and operation of the valve:

Q. 19. Please state how this vacuum valve Lund's Exhibit 3 operated when placed on the steam table and the vacuum rack at the time you saw it there.
A. When I first saw this valve on the steam test table, I was shown how it freely vented air, how it closed on the contact of the float with steam. After this demonstration it was removed from the steam testing table and screwed on to the vacuum testing rack along with a group of No. 2B vacuum valves. We then tested it for holding a vacuum, and it operated satisfactorily. I may also add that this valve operated satisfactorily on the steam testing table as well.
Q. 20. Will you state whether or not this valve Lund's Exhibit 3 held the vacuum properly when you first saw it on the vacuum rack?
A. This valve did hold a vacuum satisfactorily.
Q. 21. Please state whether or not you saw this valve, Lund's Exhibit 3, in operation on these steam vacuum racks at other subsequent times, and, if so, for about what period.
A. I frequently saw Exhibit No. 3 on the steam table at least once a week for the following three years.

It is further contended by counsel for appellant that—

"although the evidence is not clear it would appear that the vacuum rack shown in Lund's Exhibit 8 but not described, shows that the valve would be incapable of responding to the action called for by the counts, because, to detect any change in vacuum, a manometer hose had to cover the valve body and so would shut off the atmospheric pressure from the hollow valve stem and the bellows,"

and that the tests on the vacuum rack were not sufficient, nor of the character to indicate that the valve would work in accordance with the invention in issue.

Other reasons, technical in character, are advanced by counsel for appellant in an effort to show that the tests to which the valve—Exhibit No. 3—was subjected were insufficient to establish reduction to practice. It is argued that when the valve was removed from the steam test rack and placed on the vacuum rack, material changes took place in it. (That argument contains a statement of fact not supported by the evidence of record.) It is further argued by counsel that in the normal operation of a steam heating system there is a gradual development of vacuum in the closed valve, and that there was no such gradual development of vacuum in the apparatus on which Exhibit No. 3 was tested.

The tests to which appellee's Exhibit No. 3 was

subjected were those generally resorted to by the Dole Valve Company in its efforts to ascertain the commercial practicability and value of air valves for steam heating systems. Furthermore, there is no evidence of record to indicate that the technical theories advanced by counsel for appellant have any practical application to the proper testing of an air valve such as Exhibit No. 3. If those theories have practical application to the issues in the case, it should appear from the evidence of record, not merely from the arguments of counsel.

We are of opinion that the record clearly establishes that appellee reduced the invention to practice as early as January, 1931, as held by the tribunals of the Patent Office, and that he is entitled to an award of priority.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE DEAKINS

No. 3,946. Decided May 31, 1938

[96 F.(2d) 845]

PATENTABILITY—MUD PUMP VALVE.

Certain claims relating to a valve for use in mud pumps *Held* patentable over the prior art.

APPEAL from the Patent Office. Reversed.

Mr. Allen E. Peck for Deakins.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 54 to 57, inclusive, and 64 to 68, inclusive, in appellant's application for a patent for an alleged invention relating to improvements in a mud pump valve.

Of the appealed claims, Nos. 54 and 64 are illustrative. They read:

54. In combination: a valve body adapted to move to and from a cooperating annular valve seat parallel to the axis of the valve body; and an annular sealing member on the upper face of the valve body having a resilient peripheral portion including an upstanding lip providing a peripheral engagement surface normally flaring upwardly and outwardly, the valve body having abutment surfaces adjacent both the periphery and the axis thereof adapted to engage the valve seat, said abutment surfaces being at angles to the axis of the valve body appreciably greater than the angle of said flaring peripheral engagement surface to said axis, the flaring peripheral engagement surface being of such diameter as to engage the valve seat by the time the abutment surfaces of the valve body engage the valve seat, and the lip of the sealing member being exposed to fluid pressure for deforming the flaring peripheral engagement surface of the sealing member for sealing contact with the valve seat.

64. In a valve; a seat member comprising an annular wall and an abutment surface below the upper end of and in the bore defined by the annular wall, the abutment surface being adjacent the axis of the annular wall, the upper end of the annular wall providing an outwardly flaring annular sealing surface; a valve body adapted to move to and from the abutment surface parallel to the axis of the annular wall, the abutment surface being adapted for engagement by the valve body at an angle to the axis of the annular wall appreciably greater than the angle of the annular sealing surface to said axis; an annular sealing member on the upper face of the valve body having a resilient peripheral portion including an upstanding lip providing a peripheral engagement surface normally flaring at substantially the same angle as that of the annular sealing surface and of such diameter as to engage the annular sealing surface by the time the valve body engages the abutment surface; and a retaining member overlying the sealing member and of a diameter less than that of the upstanding lip whereby said lip is exposed to fluid pressure for deforming its flaring peripheral engagement surface for sealing contact with the annular sealing surface; there being space below said flaring peripheral engagement surface when the valve is closed, for reception of material dislodged from the annular sealing surface.

The references are: Hargreaves (Italian), 1,119, October 18, 1884; Wood, 612,890, October 25, 1898; Biedermann, 1,530,924, March 24, 1925; French patent, 669,260, August 3, 1929; and Melott, 1,990,557, February 12, 1935.

The invention disclosed in appellant's application relates to a valve for use in mud pumps adapted to pump mixtures containing abrasive materials. The structure of the valve is sufficiently set forth in the quoted claims.

It appears from the record that appellant was allowed twenty claims defining a valve which, he stated in his application, is of "simple construction."

In his application appellant stated that the object of his invention is to provide a valve—

"having a seat member including a substantially cylindrical sealing face or seat and a valve closure member having a circular or annular sealing member of rubber material adapted to enter the substantially cylindrical sealing seat or face of the seat member and to be deformed by fluid pressure so as to expand against the sealing face of the seat member. It is a further object of the invention to provide a valve of the above character in which the *cooperative parts are so formed that the sealing member wipes the sealing face clean as it moves into closed position, thereby reducing to a minimum the particles of abrasive material which may rest between the sealing member and the sealing face*, the result thereof being that the wear between these parts is minimized and the useful life of the valve materially extended." [Italics ours.]

The Primary Examiner described appellant's valve and its mode of operation as follows:

The valve comprises a seat ring having an opening or port in which a valve head seats to stop the passage of fluid. The seat comprises a cylindrical portion of said port or it may be slightly tapered. A web member is provided at the lower end of the bore to receive the shock of the closing movement of the valve. The valve head comprises a metallic plate having a snug fit in the seat ring when seated. The said plate is provided with a guide stem upon which a resilient sealing disc is mounted. The peripheral portion of the disc is cup-shaped or hollowed out to provide a thin lip for cooperating with the seat ring to seal its port. The outer edge of the sealing disc is tapered at substantially the same angle as the seat ring. Upward fluid pressure causes the valve to open while pressure in the opposite direction causes a closing movement thereof. During the said closing movement the metallic plate is received within the cylindrical seat ring and causes a partial closing of the port. The plate continues downward until it is stopped by engagement with the web member which receives the shock of the closing movement of the valve thereby relieving the packing disc of the consequent wear. Just prior to the engagement between the plate and web member, the outer face of the resilient disc contacts the tapered face of the seat and as the plate continues to drop the resilient disc is caused to wipe small dirt particles from said tapered face. When the downward movement is arrested by the web member the fluid pressure above the valve head presses against the cupped surface of the resilient disc and forces the thin peripheral lip outwardly against the seat ring to complete the seal.

In describing and applying the references to the appealed claims, the Primary Examiner said:

Wood shows a pump valve having a metalic plate upon which is mounted a resilient disc. The plate receives the shock of the closing movement and effects a seal between itself and the seat. Fluid pressure from above enters through openings when the valve is seated to force the resilient disc outwardly against the seat to effect or complete the seal.

Fig. 3 of Wood shows a modification similar to Fig. 6 of the application in that a resilient cupped washer is used in place of a flat disc.

Fig. 4 of the French patent is similar to Wood in that a metallic plate portion carries a resilient packing which is pressed outwardly against the seat by the fluid pressure from above for completing the seal.

In Biedermann is shown another form of pump valve in which a shoulder is provided on the stem of the valve for engaging the web member for receiving the shock of the closing movement. The rubber disc is normally flat but is caused to assume a cupped configuration when seated because its outer periphery contacts the tapered seat before the metallic parts arrest the downward movement of the valve. Fluid pressure from above then acts downwardly to press the outer portion of the disc into tighter engagement with the seat face.

Fig. 2 of the patent to Hargreaves is similar to Biedermann, just described, except that the downward movement of the valve head is arrested by the lower metallic plate contacting the upper edges of the webs. The packing is flexible.

Claims 54–57 were finally rejected as unpatentable over Wood or the French patent with the guide and stop of Biedermann or Hargreaves substituted for the lower metallic seating portions of the basic references.

In Figs. 1 and 3 of Wood and Fig. 4 of the French patent are shown valve bodies having annular sealing members on the upper faces thereof and having upstanding flaring lips for engaging the valve seat "by the time" the abutment surfaces of the valve bodies and seats contact. The fluid pressure above the lips press them outwardly into engagement with the seat. Since both these valves have metallic engaging stop portions on the bodies and seats, respectively, no invention is seen in substituting for the metallic stop portion of the seat, a metallic web member as shown • • • [in] Hargreaves and Biedermann. In making the above substitution it would probably be necessary or desirable to substitute the stem guides of Hargreaves or of Biedermann for the wing guide members on the lower face of Wood. The valve bodies of the references are "adapted to move parallel to the axis of the valve body", as recited in lines 2 and 3 of each of the claims.

Claims 64–68 are rejected as unpatentable over Fig. 3 of Wood or Fig. 4 of the French patent in view of Hargreaves as applied above. The abutment surface of Hargreaves is adjacent the annular wall and when substituted for the lower half of the tapered abutment face of the seat ring of the basic references it clearly meets the claims. The "space" below the valve engagement surface for receiving dislodged material as recited in claims 64, 66, and 67 is represented by the seat bore or port opening of each of the references. The patent to Melott has been added to the record to show a "space" similar to applicant's space.

Claims 64–68 are further rejected as unpatentable over Hargreaves in view of Wood or the French patent each of which suggests providing the periphery of Hargreaves' packing with a permanent upstanding lip to seat in the tapered seat instead of being flexed into position by the seating of the valve as is now the case.

It is believed that the twenty allowed claims fully protect applicant's novelty.

Although the Board of Appeals applied the references to the appealed claims differently than did the Examiner, it expressly affirmed his application of them and his holding with regard thereto.

It is contended by counsel for appellant that none of the references, either alone or in combination, discloses appellant's structure; that none of them will serve the purpose for which the involved structure was intended, that of causing the flexible sealing disc of the valve to wipe the "valve seat" free from abrasive material; and that, even if it be assumed that the patent to Wood discloses a resilient disc provided with a lip in engagement with the valve seat which wipes abrasive material from the upper portion of the seat, the material so removed would collect in the lower portion of the seat and be trapped between the valve and its seat because no space was provided in the Wood structure or in the structure of any of the references for the collection of such material. Counsel further contends that the Melott patent, cited by the Primary Examiner as disclosing a space where the abrasive material wiped from the valve seat might be collected, does not show any such space, but, on the contrary, shows a space at the upper portion of the valve seat which could not have been designed or intended to receive material dislodged from the valve seat.

It may be said at this point that we are in agreement with the views expressed by counsel for appellant that the space disclosed in the Melott patent was obviously not designed for the collection of abrasive materials wiped from the valve seat. However, we are not in agreement with the view expressed by him that it was necessary for the Patent Office to cite a reference showing a space designed for such purpose.

If all that appellant has done is to combine the references in an obvious way, the "annular space" provided by him for the collection of abrasive materials wiped from the valve seat certainly would not involve invention, even though such a space is not disclosed in the prior art.

The French and Wood patents disclose conical valve bodies and conical valve seats, and, in the patents to Biedermann and Hargreaves, the valve bodies engage the horizontal portions of the valve seats.

It is clear from the record, we think, that, with the exception of an "annular space" for receiving abrasive materials wiped from the valve seat, every other element defined in the appealed claims is disclosed in the references. It is apparent, therefore, that, in order to secure the novel structure disclosed by appellant and the very important and beneficial results obtained therefrom, it was necessary to combine the elements defined in the references into a new combination.

Although it is a matter of no importance in the decision of this case, it may be observed that some of the appealed claims and some of the allowed claims differ but little in language and not at all in substance. It is unfortunate that the applicant deemed it necessary to present so many claims, some of which vary only in immaterial verbiage. However, as we understand the decisions of the Patent Office tribunals, the appealed claims were rejected on the references of record, not on the ground that the application contained an undue multiplicity of claims. Accordingly, the sole issue before us is whether it involved invention to combine the references in the manner set forth in the quoted excerpt from the decision of the Primary Examiner, and, by so doing, secure not only a novel structure, but also a new and useful result.

We have carefully examined the references for a suggestion of appellant's combination and the new and useful results obtained thereby, but have found none. Of course, if the references are examined in the light of appellant's disclosure, the solution of the problem confronting appellant seems simple. A problem solved is no longer a problem, and one is prone to overlook the fact that it ever existed. Whether the solution of a problem involves invention, is a matter of opinion.

It is our view that appellant's combination, as defined by the appealed claims, was not obvious to one skilled in the art, and that it involves invention.

The decision of the Board of Appeals is reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

HAUGH *v.* STOLP AND WAGNER

No. 3,925. Decided June 27, 1938

[97 F.(2d) 596]

INTERFERENCE—PRIORITY—RIGHT TO MAKE CLAIMS.

Record reviewed and *Held* that the senior party H. has no right to make the claim in issue and that priority was properly awarded to the junior party S. et al.

APPEAL from the Patent Office. Affirmed.

Mr. Clifton V. Edwards, *Mr. George Gordon Hyde*, *Mr. John B. Brady*, and *Mr. D. Gordon Angus* for Haugh.

Mr. Elmer Stewart and *Mr. William S. Hodges* for Stolp et al.

GARRETT, *P. J.:*

This is an appeal from a decision of the Board of Appeals of the United States Patent Office awarding priority to appellees in an interference proceeding involving a single count. The decision of the Board, which was based on the ground that the count does not read on the disclosure of appellant Haugh, reversed the decision of the Examiner of Interferences.

The interference was declared between applications. In view of the only issue in the case, it is not necessary to recite the filing dates, nor is it necessary to detail the preliminary statements.

The subject matter, which relates to a traffic signalling system, is expressed in the count as follows:

Count 1. In a traffic signalling system for interfering traffic lanes including means for displaying right of way indications, a constantly operating device, controller means driven by the constantly operating device, circuit connections between the said controller and the right of way indicating device, for normally cyclically shifting said right of way indication from one lane to another, means affected by a vehicle approaching the intersection on one lane to temporarily interrupt the normal cyclic display of the said right of way indications and prolong the display of the right of way indication on the said one lane, and a second means operable a predetermined time thereafter to restore the normal cyclic display of said right of way indications to the said controller.

Haugh is the senior party and the question of his right to make the count was raised by motion to dissolve the interference filed by appellees after order had been made requiring them to show cause why judgment should not be entered against them on the record. The interference, as heard by the Examiner of Interferences, involved other parties and one other count. It is not necessary to recite details respecting the other parties, nor respecting the other count. It is sufficient to say that the sole question here involved is that of Haugh's right to make the count before us.

The disagreement between the tribunals of the Patent Office grew out of differences in view as to the proper construction of certain limitations of the count. It may conduce to clearness in understanding the somewhat complicated issues presented if the elements of the count be separately indicated. This is done in the brief on behalf of appellant (the exact language of the count being used and the introductory phrase being stated as an element) as follows:

1. In a traffic signaling system for interfering traffic lanes including.
2. Means for displaying right-of-way indications.
3. A constantly operating device.
4. Controller means driven by the constantly operating device.
5. Circuit connections between the said controller and the right-of-way indicating device.
6. For normally cyclically shifting said right-of-way indication from one lane to another.
7. Means affected by a vehicle approaching the intersection on one lane to temporarily interrupt the normal cyclic display of the said right-of-way indications and prolong the display of the right-of-way indications on the said one lane,
8. And a second means operable a predetermined time thereafter to restore the normal cyclic display of said right-of-way indications to the said controller.

As to the first six elements, there is no controversy respecting their disclosure by both applications, and the matter turns on the interpretation of the last two clauses. The decision of the Board describes the respective devices, states the view of the Examiner of Interferences, and gives the reasons for its disagreement with such view in the following terms:

The count is directed to a traffic control system embodying signaling means designed for use at a street intersection and capable of indicating, to traffic in the two intersecting lines, when it is safe to proceed. The signaling systems of both parties involve such a signal arranged as stated. Both parties contemplate alternating the signal display to enable traffic to alternately move along the respective lanes. In accordance with the Stolp and Wagner disclosure, they contemplated prolonging the traffic indication to enable street cars approaching an intersection, at a time when the signal was about to change, to proceed through the intersection. To accomplish this, circuits were provided under the control of the approaching vehicle to interrupt the normal cyclic display and prolong the display along the lane being used by the approaching street car. In order that the right of way along this lane should not be unduly prolonged, timing mechanism was provided, which timing mechanism was set into operation simultaneously with the interruption of the normal cycle to terminate the abnormal display after a predetermined time interval.

Haugh, like Stolp and Wagner, provided means for alternately displaying signals at an intersection and further means by which the display of a signal along one lane might be prolonged. Haugh also made provision for preventing the signal being prolonged beyond a predetermined time after the original display of the signal rather than after the time that the normal cycle was interrupted.

In holding the count readable upon the Haugh disclosure, the Examiner of Interferences applies the second means operable a predetermined time thereafter to restore the normal cyclical display of said right of way indication to the said controller as being relays 28 and 29 of the Haugh apparatus, which relays the Examiner says: "operate a predetermined time after the right of way has been given to the corresponding lane to shift the signals."

It seems to us that this is not a fair interpretation of the count. While the count did not originate in the Stolp and Wagner application, it appears to have been based on a claim presented by Stolp and Wagner and appearing as claim 25 in paper No. 5, filed October 8, 1930.

The count reads aptly on the Stolp and Wagner disclosure in all particulars. In accordance with their disclosure, when an approaching street car closes a circuit at 3E or 3W, a relay system is operated which breaks certain of the circuits leading from the normal controller driven by motor M' and transfers the energizing circuit for the green light to a shunt around the controller. Simultaneously with the interruption of the normal cyclic display through breaking of the circuits from the normal controller, a circuit is completed through the timing relay R_2 which serves to restore the cyclic display to the controller after the predetermined time recited in the count. This predetermined time obviously starts when the circuit is completed through the relay R_2, simultaneously with the energization of the relay R_4 and also simultaneously with the interruption of the normal cyclical display.

In the Haugh disclosure, the maximum time relays 28 and 29 come into operation simultaneously with the change in signal at the street intersection. The change in display may be prolonged but the restoration of the normal cycle bears no definite time relation to the time when said normal cycle was interrupted, as we think the count fairly requires.

As we interpret the foregoing, its meaning is that Haugh does not disclose a "second means" operable at a predetermined time after the temporary interruption of the normal cyclic display described in clause seven of the count, supra, the word "thereafter" (appearing in clause eight) being construed to mean after the temporary interruption of the normal cyclic display with a consequent prolongation of such display on one traffic lane, and the "predetermined time" being held to mean the time beginning with the resetting of the normal cyclic operation by the actuation of the instrumentalities which result in interruption and prolongation.

In a second decision accompanying the denial of a petition by appellant for reconsideration, the Board pointed out:

The Stolp and Wagner system only effectively operates when a car approaches the intersection just shortly prior to the time when the signal is about to change from green to red. Under such conditions, after the predetermined period of prolongation has expired, the amber contacts would be engaged and the relay R_4 would be short-circuited simultaneously with the completion of the timing interval. It is this operation which in our opinion the count defines. As heretofore pointed out, the Haugh device does not operate in this manner.

While the operation of the respective systems is a matter of much complexity to us, it seems clear that the system disclosed by appellees is one in which the system is fixed for interruption and simultaneous prolongation of the normal cyclic display by actuation of means (engaged by an approaching vehicle) and a resetting of the normal cyclic display by a second means, such resetting to take place at a predetermined time after the actuation which results in the interruption and simultaneously begins the prolongation. Also, it seems clear that Haugh does not disclose an arrangement wherein there is a predetermined time relationship between the interruption of the normal cyclic display and its restoration.

If therefore, the construction of the count by the Board be correct, its conclusion logically follows. This construction obviously was based largely upon the meaning of the word "thereafter", appearing in the last clause of the count. That meaning sufficiently appears from what already has been said—particularly in what has been quoted from the Board's decisions. Unless the word be given the meaning which the Board gives it, we are at a loss in attempting to define it.

The construction by the Board does not violate the general rule that the counts of an interference should be construed as broadly as their language will reasonably admit. It simply complies with the other part of the rule that clear limitations may not be disregarded. We do not think the Board here read limitations into the count. Rather it construed limitations clearly appearing therein.

An addition to the record in this case was made by writ of certiorari issued upon application of appellees and not opposed by appellant. The matter contained therein was a part of the record in the Patent Office and it is thought to have been properly brought into the record before the court. So, the costs of such addition will be assessed against appellant.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

HURD *v.* SMITH

No. 3,942. Decided May 31, 1938

[97 F.(2d) 147]

1. APPEALS—FAVORABLE DECISION ON PATENTABILITY NOT REVIEWABLE.

"Our jurisdiction is fixed by statute and the statute makes no provision for an appeal to this court in either an ex parte case or an interference proceeding from a decision of the Patent Office tribunals holding a claim or a count patentable. The only jurisdiction conferred upon this court in an interference case is that of determining priority which sometimes may depend upon ancillary questions, but patentability is not, before us, an ancillary question. In other words, patentability is conclusively presumed from the decisions of the tribunals of the Patent Office, and we are limited to designating the party to whom, in our opinion, the patent should issue by reason of his being the prior inventor."

2. INTERFERENCE—PRIORITY.

Record reviewed and *Held* that the junior party H failed to establish reduction to practice prior to his filing date, that he did not show diligence during the critical period from just prior to the filing date of the senior party S until his own filing date, and that priority was properly awarded to S.

APPEAL from the Patent Office. Affirmed.

Mr. Thomas S. Donnelly (*Mr. Eugene E. Stevens* of counsel) for Hurd.

The firm of Charles W. Hills (*Mr. Charles W. Hills, Jr.*, *Mr. Charles F. Meroni*, and *Mr. Thomas J. MacKavanagh* of counsel) for Smith.

GARRETT, *P. J.:*

There is here brought before us for review the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner of Interferences awarding priority to the party Smith in an interference declared between applications of the respective parties for patents for a locking device to hold a hub cap in place on the wheels of a vehicle such as an automobile.

A single count is involved, the text of which reads:

1. In combination a wheel hub having an opening, a hub cap having a flange for extending through said opening, radially shiftable lock members supported on said cap and said cap flange having guide passageways for the ends of said locking members, an actuating member adapted upon rotational movement to cause radial shift of said locking members to locking or unlocking position, the outer ends of said locking members when in locking position being projected behind the hub wall surrounding the hub opening whereby to lock the cap to the hub, a housing supported by said cap, a rotatable member journalled in said housing and connected with said locking bar actuating member, and means for locking said rotational member against rotation after actuation thereby of said actuating member to shift said locking members into locking position.

The description of the Examiner of Interferences is as follows:

The invention relates to the use of a lock for holding a hub cap in place to prevent unauthorized removal of the wheel from the automobile. The hub cap, when locked in position, prevents access to the bolts which attach the wheel to the axle or to the carrier. • • •

The Board of Appeals seems to have treated the invention as being limited to "a lock for holding a hub cap in place to prevent removal of the *spare* wheel from an automobile" [italics ours], but nothing in the count appears so to limit it.

In the brief on behalf of appellant, the following description is given:

The locking mechanism, roughly speaking, embodies radially shiftable lock members which are movable inwardly and outwardly by means of a rotatable locking mechanism mounted on the hub cap. When the key is inserted in the lock, a rotation of the lock barrel will effect an inward and outward movement of these locking members or fingers. When the locking fingers are in locking position they will be projected behind the inwardly turned flange on the hub cap and in order to reach this position it is necessary that the axially directed annular flange which projects outwardly from the face of the saucer-like body have passages or openings formed therein through which the locking members or fingers may project. In the claim in issue, the housing which supports the rotatable lock barrel is defined as mounted on and projecting inwardly from the inner face of the hub cap.

Smith is the senior party, his application, Serial No. 598,554, having been filed March 14, 1932, while that of Hurd, Serial No. 625,753, was filed July 29, 1932. Accordingly, the burden rested upon Hurd to establish his case by a preponderance of the evidence.

No testimony was taken on behalf of Smith and so he is restricted to his filing date of March 14, 1932, for conception and reduction to practice. Testimony was taken on behalf of Hurd and the respective tribunals of the Patent Office awarded him a conception date, as expressed by the Examiner of Interferences, "no later than the end of December, 1931," but held that no reduction to practice was shown and that he had failed to establish diligence over the critical period from just prior to March 14, 1932, to his filing date of July 29, 1932.

The case has been rendered somewhat complex in the hearing before us by reason of certain proceedings and contentions on behalf of Hurd based upon, or growing out of, a prior Hurd application, Serial No. 580,787, filed December 14, 1931. Certain claims in that application were allowed by the Examiner; others were rejected by him, and, upon appeal, his decision was affirmed by the Board of Appeals. Hurd thereupon filed a proceeding in equity under R. S. 4915, and, in December, 1936, Justice Luhring of the District Court of the United States for the District of Columbia rendered a decision adjudging certain of the claims which had been so rejected to be patentable, and on April 20, 1937, patent, No. 2,077,698, was issued containing all the allowed claims.

Among the claims held patentable by Justice Luhring was one which in the equity proceeding was numbered 10. It appears in the patent as No. 3. It is identical in all respects with the count here involved, except that where the count calls for "radially shiftable lock members" the claim calls for "a radially shiftable lock member." In other words, the claim is satisfied by a single radially shiftable lock member, while the count requires two or more.

The interference here involved was declared February 21, 1933, there being other parties thereto who afterwards were eliminated. The preliminary statement of Smith was filed March 11, 1933. The record does not show the filing date of Hurd's preliminary statement, but it appears that on April 24, 1933, Hurd moved to substitute his application, Serial No. 580,787, containing the claim No. 10, hereinbefore alluded to, in place of the application, Serial No. 625,753, and to shift the burden of proof. These motions were denied by the Examiner. On April 27, 1934, Hurd took an interlocutory appeal to the Board of Appeals, and on that same date filed a motion to dissolve, moving at the same time to stay proceedings on the motion to dissolve until the question of patentability should be determined in the proceeding in equity which he proposed to institute.

It was contended on behalf of Hurd that the involved count would not be patentable over the claim 10 of his prior application. This contention the Examiner of Interferences overruled. In denying the motion to dissolve, the Examiner of Interferences pointed out that it was made long after the motion period had expired (May 1, 1933), and after other interlocutory motions had been considered and decided. Hurd filed a motion to reconsider and the Examiner of Interferences, in a second decision, after stating that the motion to dissolve was based on the allegation that the count was not patentable over claim 10 of Hurd's prior application, expressly held that it was patentable thereover and again denied the motion, pointing out that no appeal would lie from his decision, because "the denial of this motion does not deny the right of any party to assert the count."

The Board of Appeals affirmed the decisions of the Examiner of Interferences upon the motions to substitute and to stay the proceedings. As to the motion to shift the burden of proof, it was said, in substance, that, in accordance with rule 122 of the Patent Office, no interlocutory appeal would lie from the decision of the Examiner of Interferences thereon. The Board declined to consider the question of the patentability of the count over claim 10 of the prior application, saying, "this question is not properly before us, especially as the Examiner of Interferences held the count patentable."

In the appeal to the Board from the final decision of the Examiner of Interferences in which priority was awarded to Smith, Hurd assigned errors which caused the Board to again discuss and adjudicate certain of the matters dealt with by it in former decisions upon the interlocutory appeals, and in the appeal to us there are assignments seeking to bring those questions before us.

The purport of those assignments is that it was error to deny Hurd's motion to dissolve because the count here involved is unpatentable over claim 10 in Hurd's prior application, and a very large part of the brief on behalf of Hurd is devoted to a discussion of this allegation of non-patentability.

Shortly after jurisdiction of appeals from the Patent Office was transferred to this court from the Court of Appeals of the District of Columbia (now the United States Court of Appeals for the District of Columbia) we had occasion to pass upon this question in the case of *Robert F. Gowen* v. *William F. Hendry and Robert W. King*, 17 C. C. P. A. (Patents) 789, 37 F.(2d) 426, 393 O. G. 1024. We there said:

The question of the right of a party to secure a patent can not be raised in this court on appeals in interference proceedings. In such cases the jurisdiction of this court is confined to the question of priority of invention and to such ancillary questions as may be involved therein. [Authorities cited.] * * * These decisions rest upon the proposition that the question of the patentability of an alleged invention is an issue between the applicant and the Patent Office—the Patent Office representing the public. See 35 U. S. C. A., secs. 36, 59. Whereas, the issue of priority of invention and questions ancillary thereto in interference proceedings are matters inter partes. See 35 U. S. C. A., secs. 52, 59. The Congress has provided for separate appeals to this court in these classes of cases.

This rule based upon both reason and authority has been often reiterated and applied by us, and is so well established and so generally understood that no further citation of cases is deemed necessary. We know of no instance in which any court charged with the particular jurisdiction which this court exercises has ever departed from it. In view of its long established character, it is somewhat strange that the issue has been and continues to be seriously brought before us.

In our opinion, there is nothing in the state of facts here presented which takes the instant case out of the operation of this fixed rule of law.

[1] The count here at issue was deemed patentable by the Primary Examiner, else he would not have declared the interference. Later it was so held by the Examiner of Interferences upon the issue being raised. Assuming that the Board might have reversed the decision as to that, the fact remains that it did not do so, and, under the well settled rule, the decision is binding upon us in this proceeding. Our jurisdiction is fixed by statute and the statute makes no provision for an appeal to this court in either an ex parte case or an interference proceeding from a decision of the Patent Office tribunals holding a claim or a count patentable. The only jurisdiction conferred upon this court in an interference case is that of determining priority which sometimes may depend upon ancillary questions, but patentability is not, before us, an ancillary question. In other words, patentability is conclusively presumed from the decisions of the tribunals of the Patent Office, and we are limited to designating the party to whom, in our opinion, the patent should issue by reason of his being the prior inventor.

Hence all appellant's assignments relating to the allegation of the non-patentability of the count and to the failure to dissolve the interference on that account must be overruled, and we turn to the sole question here involved that is within our jurisdiction—that of priority.

As already stated, Hurd was awarded a date of conception "no later than the end of December, 1931," but it was held that he failed to prove actual reduction to practice and also failed to show diligence during the critical period.

The award of conception was based upon a locking wheel cap having three radially shiftable lock members fabricated in the latter part of 1931, introduced in evidence as Hurd's Exhibit 1, and it is upon this exhibit and what was done with reference to it, or a counter-part thereof, and its development that Hurd must rely to establish his case.

The Examiner of Interferences found:

There is no testimony by any of Hurd's witnesses to the effect that Hurd Exhibit 1 was ever given a road test on an automobile prior to his filing date. * * *

The Board found:

* * * there is no evidence that this exhibit was ever applied to a wheel hub at that time [during the latter part of 1931] and the count calls for the combination of a wheel hub and a hub cap.

These findings are borne out by the record. Indeed, they are not challenged by counsel for Hurd. So, it must be held that no use or test of the device, amounting to an actual reduction to practice, was shown prior to his filing date of July 29, 1932.

It is, however, very earnestly urged by counsel for Hurd, in effect, that by reason of the nature and simplicity of the device, the construction of Exhibit 1 was "in itself a reduction to practice." In the brief on his behalf it is said:

The only movable parts is the key plug with the shiftable lock members or fingers connected eccentrically thereto. To ascertain whether or not the device would work, it would be but necessary to rotate the key back and forth to project and withdraw the locking fingers. This shifting inwardly and outwardly of the locking fingers is the only thing that could require any test.

The Examiner's discussion of this contention reads:

* * * It is considered that it [the device] is not of that class of articles of extremely simple construction, the mere making of which is sufficient to establish reduction to practice. The conditions of vibration of normal use might have disclosed defects negativing reduction to practice.

Moreover, the testimony does not indicate that the construction of Hurd Exhibit 1 would have been satisfactory to the automobile manufacturers without test * * *. Rather the opposite is shown for according to the testimony the caps that were finally sold to the manufacturers varied considerably in detail from Hurd Exhibit 1 * * *.

The Board of Appeals said:

Hurd contends that the very existence of Exhibit 1 is sufficient evidence of reduction to practice of the invention in issue. We are not satisfied to take such view. While the locking device is a comparatively simple device, it has moving parts and it would seem necessary to show these moving parts properly lock against a flange on the wheel hub and that the springs disclosed between the three locking devices sufficiently press the wheel hub against the locking elements to prevent rattling. It is obvious to apply a locking device of this character to an automobile, one of the important features is that the parts interfit properly to prevent rattling. The locking bars should be long enough to fit under the cooperating flange on the wheel hub and yet not be too long. * * *

While we do not go so far as to hold with the Board upon the necessity of a test to show absence of "rattling," we do agree with the holding that the device is not of such a simple nature that no test was necessary. Without reviewing the cases cited in the brief for Hurd in which it was held that actual tests of certain devices were not necessary, it is sufficient to say that we regard the requirements as to those devices to be distinguishable from the requirements as to Hurd's device. Each question of this character must be determined according to the particular nature of the device involved and little or no benefit could result from a review of the analogies and differences present in the respective controversies.

It must, therefore, be held that Hurd failed to establish reduction to practice prior to his filing date of July 29, 1932.

There remains to be considered only the question of whether Hurd has shown diligence during the critical period from just prior to the filing date of Smith, March 14, 1932, until his own filing date.

A careful analysis of the testimony with respect to the activities touching the device conforming to Hurd's Exhibit 1 discloses that efforts were made over a considerable period to exploit it commercially, but, aside from this, which is not sufficient to establish diligence in the sense here required, the record is hazy and indefinite. Practically nothing material is definitely shown as to any testing or modifying or manufacturing of the device, and no satisfactory explanation is offered for the delay in filing a patent application.

Clearly, the concurring findings of lack of diligence on the part of Hurd by the tribunals of the Patent Office are not against the weight of the evidence. There is, in our opinion, practically no evidence which would support a finding to the contrary.

[2] The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE MCKEE ET AL.

No. 3,952. Decided May 2, 1938

[96 F.(2d) 504]

1. PATENTABILITY—MEAT PACKING METHOD.
   Claims for a meat packing method *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Roy W. Johns for McKee et al.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner rejecting as unpatentable over prior art five claims of appellants' application for patent entitled "For meat packing method." One claim, Numbered 9, which also was rejected by the Examiner, was allowed by the Board. The rejected claims are numbered, respectively, 1, 6, 7, 8, and 10. They read as follows:

1. The packing house method of treating meat which consists in submitting the meat to a rapid draft of frigid atmosphere and thereby quickly freezing the same, slicing the frozen meat, assembling and securing the slices together in unit form, and finally subjecting the meat to a temperature sufficiently low to maintain a sharp frozen condition.

6. In the freezing of meat, the step of subjecting the meat to a rapid draft of frigid atmosphere.

7. In the treatment of meat, the method which comprises subjecting the meat to a rapid draft of frigid air and thereby quickly freezing the meat and thereafter exposing to a less frigid temperature.

8. The method of treating meat which comprises subjecting the meat to a current of very cold atmosphere sufficiently to quickly sharp-freeze the meat and thereafter tempering the meat.

10. The method of freezing meat which comprises subjecting the meat to a current of cold air sufficiently to quickly freeze the outer portion of the meat and thereafter holding the meat in a quiescent atmosphere until the temperature is equalized throughout the meat.

It will be seen from the claims that the alleged invention relates, as is stated in the brief for appellants, to a—

"method for quick freezing meat in which the outer portion of the meat is quickly frozen by the action of a current of cold air, and the meat is subsequently tempered in a quiescent atmosphere to equalize the temperature throughout the meat."

The Examiner seems to have rejected all the appealed claims, first, upon the admitted state of the art, as given in the sole application of the party McKee, Serial No. 368,941. In the decision of the Board, that application is referred to as having been abandoned, and it is said: "We do not affirm the Examiner in the rejection of the claims on appeal on the abandoned application."

The prior art references cited in the Board's decision are: Birdseye, 1,773,079, August 12, 1930; Taylor, 1,864,284, June 21, 1932; "Refrigeration of Fish" by Taylor, Bureau of Fisheries Document 1016, pub. in 1927, p. 546.

In the decision of the Board there is no reference to the Birdseye patent, except that it is cited. In the decision of the Examiner two references were made to it. At one point it was said:

It may be noted that the advantages of quick-freezing of meat and fish over other methods are well understood in the art, as instanced in Birdseye, so that there is no novelty in its use in the instant case.

At another point it was said:

With respect to claim 7, the limitation "exposing to a less frigid temperature" possesses no patentable significance, because this naturally occurs when the product is sold to the retailer or the consumer, as in the case of any frozen product, as for instance, in Birdseye.

The patent to Birdseye is entitled "Method of preparing food products." In the specification it is said:

My invention has especial value in its application to such comestibles as fish and meat, fresh or cooked, * * *.

Elsewhere it is said:

I have referred in this specification to quick freezing. While I am unable to define quick freezing in terms of exact temperatures or periods of time, the phrase will be readily understood by any one familiar with the freezing of comestibles. Freezing may take place practically instantaneously, as by liquid air, or it may require days, as in the usual refrigeration in refrigerating rooms. In the case of such comestibles as fish or meat, for instance, if the freezing consumes any substantial period of time, the flesh is injuriously affected and it loses its natural flavor and qualities. By quick freezing, I mean freezing in a sufficiently short space of time so that the cells of the food product are not disrupted or broken and whereby the frozen block, throughout its mass, retains its natural qualities substantially unimpaired.

Appellants urge that the Birdseye patent contains no teaching that a blast of frigid atmosphere might be employed as a step in the preparation of sliced frozen meat; also that there is no teaching which would indicate that it is possible to slice the product after freezing.

The decision of the Board succinctly states the teaching of the Taylor patent (which is entitled "Steak and method of producing same") as follows:

The patent to Taylor is concerned with the formation of a predetermined shaped mass of meat, spirally wrapping said mass with a tape or ribbon and cutting said wrapped mass transversely thereof and freezing the severed portions. The freezing operation may be carried out prior to the cutting. The object of the invention is to produce a food product comprising a frozen steak formed of a plurality of cross-cut pieces which are retained in package form. The patentee states that instead of cutting the wrapped shaped mass to form the steaks, it may be cut in lengths of one to five feet and these bodies frozen and subsequently sawed or cut either in a frozen or defrosted state to form steaks.

As to the publication by the Bureau of Fisheries, the Board says:

* * * [It] describes the quick freezing of fish by a rapid circulation of air. Although the publication states this method of freezing dries the fish excessively and because of the large volume and high velocity of air necessary it seems impracticable for commercial use, yet it calls attention to the rapid freezing of fish and therefore of meat by quick circulation of air and that seems to be the feature relied on, particularly in the claims on appeal. * * *

Of the Taylor patent the brief for appellants asserts, inter alia, that it "is not concerned with any particular method of freezing, nor does it relate in any way to freezing cuts of meat." The first part of the statement seems to be correct, but as to the latter part it is noted that the patent specification says:

Though the following description refers specifically to fish, it is to be understood that the invention is not restricted thereto since it is applicable to *meats of all kinds*. [Italics ours.]

It seems to be conceded that the Bureau of Fisheries publication describes the quick freezing of fish by a rapid circulation of air, but it is argued for appellants that the teaching of the publication is that fish should not be so treated because it contains the statement:

This method of freezing dries the fish excessively, and, because of the large volume and high velocity of air necessary, seems impracticable for commercial use.

It is urged that—

"a statement of this kind would tend to discourage rather than assist a subsequent worker in the field in applying a rapidly circulating current of frigid air for freezing meat."

Much emphasis is placed upon this point, but we are unable to accept the argument as logical. It appears from the publication that quick freezing by a rapid circulation of air was known to the art, and the mere fact that the implication is that such method may not be desirable in the treatment of fish, does not, in our opinion, affect the pertinency or force of the publication as a reference here.

A limitation in all the appealed claims, except No. 6, relates to tempering the meat after it has been frozen in the first instance. To this we have already alluded in reciting a portion of the Examiner's discussion of claim 7. We are unable to see wherein this step lends patentability to the claims and concur with the views expressed with reference thereto by the tribunals of the Patent Office.

We are convinced that those tribunals were correct in holding that the here appealed claims present nothing patentable over the prior art cited.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

ACKERMAN *v.* LIGHT

No. 3,929. Decided April 25, 1938

[96 F.(2d) 304]

1. INTERFERENCE—RIGHT TO REISSUE IS EX PARTE MATTER.
   Where an interference is between a patentee and an applicant for reissue of a patent, *Held* the question of the right of the applicant to a reissue of his patent is purely an ex parte matter which having been decided favorably by the Primary Examiner will not be considered on appeal from an award of priority.

2. SAME—INTERVENING RIGHTS NOT ANCILLARY TO PRIORITY.
   An issue as to a patentee's right to a reissue patent, in view of intervening rights, "is not ancillary to the issue of an award of priority and may not be raised in an interference proceeding."

3. SAME—PRIORITY—RIGHT TO MAKE CLAIMS.
   Held that the senior party L has the right to make the claims in issue and that priority was properly awarded to him, the junior party A having filed no preliminary statement.

APPEAL from Patent Office. Affirmed.

Mr. George B. Pitts (*Mr. Elmer Stewart* of counsel) for Ackerman.

Mr. Parker Dodge for Light.

LENROOT, *J.*:

This is an interference proceeding wherein the Board of Appeals of the United States Patent Office affirmed a decision of the Examiner of Interferences which awarded priority of invention, as to all the counts in issue, to appellee.

The issue consists of six counts, of which counts 1, 2, and 3 are illustrative and read as follows:

1. The herein disclosed process of cooling material in a container enclosed in a gas tight chamber, which consists in continuously supplying liquid refrigerant having a relatively low boiling point into said chamber above the container and causing downward flow of the refrigerant over the walls thereof and preventing formation of gas pockets on said walls while permitting the separation of gases from the liquid, discharging the unused liquid into a receiver, and conveying away the generated gases.

2. In apparatus of the class described, the combination of a closed container, a casing surrounding said container in spaced relation thereto, a reservoir for liquid refrigerant below said casing, a discharge conduit leading from the lower portion of said casing to said reservoir, means for conveying liquid refrigerant from said reservoir to the space between said container and casing and discharging it onto the upper walls of said container, a pipe for supplying the liquid refrigerant to said reservoir, a valve in said pipe outside the walls of said reservoir, a float operated by the rise and fall of the refrigerant level in said reservoir, and operating connections between said float and said valve for operating the latter.

3. The herein disclosed process of refrigerating material during agitation thereof in a container surrounded by a closed chamber having a discharge opening which consists in agitating the material and simultaneously supplying a liquid refrigerant having a relatively low boiling point into the upper portion of said chamber and circulating it under pressure over and in contact with the walls of the container and discharging the unused portion of the refrigerant through said opening and utilizing the circulation of the refrigerant to remove from the container walls gases generated by the transfer of heat from the material and simultaneously exhausting from the upper portion of the chamber the generated gases which become separated from the liquid refrigerant.

The interference involves a patent, No. 1,960,074, issued to appellant on May 22, 1934, upon an application filed September 28, 1931, and a reissue application of appellee, Serial No. 734,698, filed July 11, 1934, for the reissue of Patent No. 1,866,988, issued July 12, 1932, upon an application filed October 25, 1927.

The counts here in issue are claims of appellant's patent, copied by appellee and placed in his reissue application for interference purposes.

The specification and drawings of appellee's reissue application are identical with the specification and drawings of his patent.

As indicated by the above-quoted counts, the involved invention relates to an ice cream freezer, in which large batches of cream are frozen.

The Primary Examiner, in passing upon a motion made by appellant to dissolve the interference, de-

scribed the disclosures of the respective parties as follows:

The Ackerman patented application discloses the conventional horizontal type of ice cream freezer, but cooled by the direct expansion of a refrigerant. The refrigerant supply is float controlled and is taken up by a pump and sprayed through pipe 11 over the whole length of the freezer. The liquid flows down over the freezer back to the reservoir 16. As it flows downward part of it is converted into vapor by reason of heat absorbed from the cream mix which is thereby frozen. The refrigerant vapor is drawn off through pipe 65 back to the compressor. A small pipe 64 connects the upper part of the evaporator space 10 with the liquid holding reservoir in the base. The other structure shown is not involved in this controversy and hence need not be described.

The party Light shows an ice cream freezer of the same type. The specific form covered by the counts of the interference is shown in Figures 6 and 7 but reference must be had to the other figures for certain details. The liquid refrigerant is admitted to reservoir 14 through valve 17 (Figure 2). From the reservoir 14 the liquid is drawn off by pump 20 and delivered to spray pipe 49' located in the jacket space above the freezer. As it flows downward it evaporates. In time the lower part of the jacket will become filled with liquid. The vapor passes off through pipe 40 [should read 50] back to reservoir 14 and from there it goes back through separator 48 and pipe 49 to the compressor. The excess liquid not evaporated in the jacket will also overflow through pipe 50. It is stated that "the location of the overflow pipe 50 determines the depth to which it (the evaporator) is flooded and this may be arranged to suit particular conditions."

The interference was declared as of September 19, 1934, and preliminary statements were due on October 22, 1934.

Appellant filed no preliminary statement and he, being the junior party, was, on December 5, 1934, put under an order to show cause why judgment upon the record should not be rendered against him.

Within the motion period, appellant moved to dissolve the interference upon the ground, among others, that appellee had no right to make claims corresponding to the counts in issue because the subject matter of each thereof is not disclosed in the original application of appellee.

Other grounds set out in said motion were estoppel of appellee to make the claims corresponding to the counts, and insufficiency of appellee's reissue application.

Appellee moved to add three additional counts, being claims copied from appellant's patent.

The Primary Examiner denied appellant's motion upon all grounds except with respect to the sufficiency of appellee's reissue oath, and upon this ground the motion was granted, subject, however, to the filing of a new oath by appellee, leave for which was granted. Such an oath was subsequently filed by appellee, the sufficiency of which was challenged by appellant; the Primary Examiner ruled that the oath was sufficient, and therefore denied appellant's motion to dissolve the interference upon the ground of insufficiency of the oath, so that, finally, appellant's motion to dissolve was denied upon all grounds urged by him.

The Primary Examiner also denied appellee's motion to add said three additional counts. Appellee appealed to the Board of Appeals from so much of the decision of the Primary Examiner as denied his motion to amend the interference by adding new counts. The Board of Appeals affirmed the decision of the Examiner upon this point.

After the above-mentioned proceedings were had, the Examiner of Interferences entered judgment upon the record against appellant, awarding priority of invention of the subject matter in issue to appellee.

Appellant appealed from said decision of the Examiner of Interferences, assigning as reasons for appeal the various matters set up in his motion to dissolve the interference, as well as other alleged errors upon the part of said Examiner.

[1] The Board of Appeals in its decision stated:

The party Ackerman has appealed on two grounds; first, that the counts do not read upon the disclosure of the party Light and, secondly, that Light is not entitled to a reissue containing the counts for various reasons. The question of the party Light's right to a reissue is purely an ex parte matter which has been decided favorably to him by the Primary Examiner and we shall therefore not consider it.

We are in agreement with this statement of the Board, which is in accordance with the rule approved by us. *Daley* v. *Trube*, 24 C. C. P. A. (Patents) 964, 88 F.(2d) 308, 483 O. G. 230; *Bechtold* v. *Lanser*, 23 C. C. P. A. (Patents) 1051, 82 F.(2d) 415, 470 O. G. 723.

Upon oral argument before us, appellant's counsel expressly waived any contention with respect to the sufficiency of the oath in appellee's reissue application.

[2] Appellant also contends that appellee is not entitled to a reissue patent because of intervening rights. That such an issue is not ancillary to the issue of an award of priority, and may not be raised in an interference proceeding, is well established. *Norling* v. *Hayes*, 37 App. D. C. 169, 166 O. G. 1282; *Earles et al.* v. *Gomber*, 50 App. D. C. 389, 288 O. G. 207.

Appellant further contends that appellee is estopped to claim the subject matter of the counts in issue for the reason that appellee cancelled certain claims in his original application which, appellant insists, were of the same scope as the counts here in issue.

Assuming, without deciding, that this question raised by appellant is ancillary to an award of priority of invention, we agree with the Primary Examiner that no estoppel exists, such as appellant urges, for the reason that said cancelled claims were broader in scope and radically different from the counts here involved.

But one question remains for consideration, and that is as to appellee's right to make the claims corresponding to the counts here in issue.

Appellant's brief states:

The counts having originated in Ackerman's patent and Light having copied them, for interference purposes, they must be interpreted according to the Ackerman disclosure.

Among the cases cited in support of the foregoing proposition is the case of *Field* v. *Stow*, 18 C. C. P. A. (Patents) 1437, 49 F.(2d) 840, 412 O. G. 557. That case, however, holds that only where the element of a count is ambiguous may the patent in which the count originated be resorted to for the purpose of interpretation of such element. In the case of *Writer* v. *Kwad*, 20 C. C. P. A. (Patents) 869, 63 F.(2d) 259, 431 O. G. 263, we said:

• • • in interference cases, if the counts are not ambiguous, they should be given the broadest interpretation which they will reasonably support, and a party who deliberately elects to claim his invention broadly is not in a position to insist that limitations be read into them for the purpose of avoiding the issue of priority. [Citing cases.]

The counts here involved are broadly drawn. The record shows that appellee's motion to add counts to the interference was denied because such counts, copied from appellant's patent, contained limitations that are not disclosed in appellee's patent or reissue application.

It is our opinion that the method counts read upon appellee's disclosure, unless it should be held that the counts require that every part of the walls of the gas-tight chamber be subject to the downward flow of the refrigerant during the entire process of cooling the material.

In appellee's disclosure, during the initial stages of the process, this occurs, but, as the operation proceeds, liquid is accumulated in the lower part of the gas-tight chamber to a point where it meets a pipe termed an "overflow" pipe, which prevents any further accumulation of liquid in the gas-tight chamber.

With relation to this overflow pipe, appellee's specification states:

• • • The location of the overflow pipe 50 determines the depth to which it is flooded, and this may be arranged to suit particular conditions.

According to appellee's drawings and specification, there is a continuous downward flow of refrigerant upon every part of the walls of the gas-tight chamber during the first part of the cooling operation, and there is such flow throughout the operation upon at least the walls of the upper half of the gas-tight chamber.

With respect to the removal from the container walls of generated gas, the Board held that this was necessarily inherent in Light's operation. We are in agreement with this conclusion.

With respect to the simultaneous exhaustion of gases from the upper part of the chamber with the discharge of the unused portion of the liquid refrigerant, this is clearly disclosed by appellee, although not in the same manner as that disclosed in appellant's patent. Appellant provides a separate pipe in the upper part of the chamber for the removal of the generated gases, while in appellee's method such gases are removed through the overflow pipe, the same pipe that removes the liquid after a certain amount has accumulated in the chamber.

The Board of Appeals in its decision stated:

In Light, the gases and liquid pass out together through a pipe substantially at the middle of the chamber and the party Ackerman argues in effect that these claims should be regarded as limited to the complete separation of the gas from the liquid while in the chamber by exhausting the gas from the upper portion of the chamber through a separate passage from that through which the liquid is discharged.

We are unable to agree with appellant's view. There is no question but that the portion of the counts under consideration clearly reads upon the Light disclosure and although Ackerman may have intended these claims to be more restricted, we think that they are not ambiguous and therefore that there is no necessity for limiting them to the Ackerman operation in order to avoid a forced interpretation.

As to the removal of the generated gas from the walls of the chamber, while this is not described by Light, we think that it is necessarily inherent in his operation.

Counts 1 and 2 are not as specifically limited and we believe that they fairly read upon the Light disclosure.

While appellant insists that his invention is clearly distinguished from that disclosed by Light, in that in appellant's process no liquid is permitted to remain in the chamber, we think that the counts are sufficiently broad to read upon the disclosures of both of the parties. It does not seem to us that one could avoid infringing the claims of appellant's patent, here in interference, by permitting some of the liquid refrigerant to remain in the bottom of the chamber.

Count 2 embraces an apparatus. It seems to be conceded that appellee discloses all of the elements of this count, other than the element reading "a discharge conduit leading from the lower portion of said casing to said reservoir."

The Board of Appeals did not specifically discuss this element, but the Primary Examiner, in passing upon the motion to dissolve the interference, held that, count 2 being for an apparatus, it was permissible to read this element upon a drain pipe disclosed by appellee, numbered 51 in his drawings. This pipe, however, is controlled by a valve which is not normally open during the cooling operation. It is, however, a discharge conduit leading from the lower portion of the casing to his reservoir, and its purpose is to discharge the liquid from the casing into the reservoir. This being an apparatus claim, and there being no ambiguity in the description of the element under consideration, we do not think it permissible to construe the element as embracing only a pipe continuously open during the cooling operation. This limitation might have been made by appellant; but, not having done so, he may not now read such a limitation into this apparatus count.

While we are of the opinion that appellant's process and structure differ from those of appellee in many particulars, we think the counts here in issue are so broad as to embrace common subject matter disclosed in appellee's reissue application and appellant's patent.

[3] The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE GINSBURG

No. 3,922. Decided May 2, 1938

[96 F.(2d) 506]

PATENTABILITY—LARVICIDE.

Claims for a larvicide for killing mosquitoes, their larvae and pupae *Held* unpatentable over a previously known insecticidal composition.

APPEAL from the Patent Office. Affirmed.

Mr. Albion D. T. Libby and *Mr. Lee L. Townshend* (*Mr. Harry B. Rook* of counsel) for Ginsburg.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming that of the Primary Examiner which rejected claims

16 to 20, inclusive, all of the claims of an application for a patent filed September 5, 1934, for a larvicide for killing mosquitoes, their larvae and pupae.

The references cited are as follows: Grant, 1,940,646, December 19, 1933; Bertsch, 1,968,794, July 31, 1934; Ginsburg and Forman—"Preliminary studies on causes and remedies for mosquito breeding in sewage disposal plants," Sewage Works Journal, July, 1930, pp. 412–418; Ginsburg—"Studies of pyrethrum as a mosquito larvicide," Proceedings of the Seventeenth Annual Meeting of the New Jersey Mosquito Extermination Association (1930) pp. 57–73; Smith—"One year's experience with pyrethrum larvicide," Ibid. (1932) pp. 128–131; Briscoe—"The search for soap substitutes," The Chemical Trade Journal, January 22, 1932, pp. 76–78.

Claim 16 is illustrative and reads as follows:

16. A larvicide for killing mosquitoes, their larvae and pupae, on the surface of water including an oil, at least one oil-soluble material toxic to the mosquitoes, their larvae and pupae, and an emulsifier which will allow the larvicide ingredients recited to be mixed with fresh, hard and salt and/or sea water yet permitting the larvicide to quickly separate out from the water to which it is applied and rise to the surface thereof, thereby forming a thin layer of concentrated toxic material on the surface for the purpose described.

The claims relate to a composition for killing mosquitoes and include an insecticide known as pyrethrum, an emulsifier, oil, and water. Pyrethrum has been known and utilized for more than a century past as an insecticide.

The emulsifier used is set forth in claims 18 and 20 as a

"water-soluble but non-oil-soluble emulsifier taken from a group consisting of alkali metal salts of sulphated higher alcohols, sulphated aliphatic compounds, and sulphated aromatic compounds."

Claims 17 and 19 omit the restriction to a water-soluble but non-oil-soluble emulsifier and illustrative claim 16 is broad enough to include the emulsifier of the other two groups.

The appellant is a biochemist who has for years past made an intensive scientific study of the problem of mosquito eradication. He and a chemist named Forman described in the Sewage Works Journal of July, 1930, the pertinent portion of which is a reference herein, a mosquito larvicide. It consisted of pyrethrum in kerosene oil emulsified with soap. This larvicide, which was described as efficient and practical when used to kill mosquito larvae, was spread on the surface of mosquito-breeding water, the pyrethrum and oil forming a thin layer on the water surface. The killing agent pyrethrum was carried in the tiny oil globules. The soap in the emulsion being water soluble released the oil globules which remained on the surface.

Again, in 1930, about four years prior to the filing date of his application, there was published in the Proceedings of the Seventeenth Annual Meeting of the New Jersey Mosquito Extermination Association a paper of which appellant was the author. This paper, which is a reference herein, set forth a mosquito larvicide said by appellant to have been proved by tests to be efficient, and which consisted of a light furnace oil, pyrethrum, and a soap emulsifier.

The use of soap as an emulsifier is old and admitted to be such in appellant's specification. While the use of the larvicide hereinbefore set out was apparently successful and efficient for use on fresh water, it was found that when used on salt water the soap reacted with the salt causing a breakdown of the emulsion. In the many salt marsh areas, prolific mosquito-breeding areas, the larvicide containing a soap emulsifier would not be effective. Appellant then sought to use a different emulsifying agent which would make an effective larvicide for use on fresh water, hard or soft, and also on salt or sea water. The specification states that appellant found that the sodium salts of sulphated aliphatic alcohols, such as sodium lauryl sulphate, sodium oleyl sulphate, and the like, were most suitable for use in place of soap as an emulsifier. With a composition made of pyrethrum, oil, water, and sodium lauryl sulphate as an emulsifying agent, the larvicide was found to be just as effective on hard or salt water as on fresh soft water.

While appellant's specification calls the emulsifier "a new chemical", he undoubtedly intended to mean a chemical to take the place of soap, as there is no contention that he lays claim to invention in the production of lauryl sulphate.

The Board affirmed the decision of the Examiner in which he said:

All the claims are rejected as being unpatentable over the known insecticidal composition consisting of pyrethrum, oil, an emulsifier, and water, as involving only the substitution of one known emulsifier for another.

The Grant patent relates to an insecticidal composition which consists of pyrethrum, oil, water, and an emulsifier which is a "sulfonate" derived oil. The only difference between this composition and that of the rejected claims would seem to be in the emulsifier.

Substitutes instead of soap as emulsifiers are not new, and their superiority over soap for many purposes has been well known.

The Briscoe reference, which the Examiner said was cited only for the purpose of showing some of the properties of soap substitutes, states that the sulphuric acid esters of higher alcohols have "excellent emulsifying properties far surpassing those of soap and the sulphonated oils" and that they are completely resistant to sea or hard water.

The Bertsch patent discloses a soap substitute which includes sodium lauryl sulphate, and states that the compound is useful in the making of insecticides.

We think that applying any well known emulsifier as a substitute for soap does nothing more than put the substitute to its intended and obvious use.

In view of what has been said in this opinion, it is not deemed necessary to discuss the other references cited.

Appellant urges that in his application he has taken the last step to perfect his own previously perfected process which he developed after years of study and research. This contention can have no weight, because the additional step of adding a known emulsifier does not involve invention. His former process, however, published in 1930, became public property, since he did not file an application for patent within two years of its publication.

For the reasons above stated, the decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,348,770, G. L. Allen, Vibratory movement, filed Sept. 14, 1938, D. C., S. D. Calif. (Los Angeles), Doc. E 1465–Y, *G. L. Allen et al.* v. *Link Belt Co.*

1,377,023, B. S. Nelson, Lubricating device, D. C., N. D. N. Y., Doc. 3121, *Stewart-Warner Corp. et al.* v. *G. M. Polhemus (Universal Products Co.)*. Decree Dec. 15, 1937.

1,431,670, J. Klein, Parlor floor lamp, suit for declaratory judgment filed Apr. 5, 1938, D. C., N. D. Ill., E. Div., Doc. 16023, *Central Novelty Co. et al.* v. *Colonial Premier Co. et al.* Patent held invalid and not infringed. Counterclaim filed July 29, 1938.

1,491,915, W. L. McLaine, Float plug, filed Sept. 8, 1938, D. C., E. D. Tex. (Tyler), Doc. E 1050, *Baker Oil Tools, Inc., et al.* v. *Larkin Packer Co., Inc.*

1,537,325, Smith & Smith, Meter box, filed Sept. 14, 1938, D. C., W. D. Wash., N. Div., Doc. 1227, *H. E. Gere* v. *Puget Sound Sheet Metal Works.*

1,589,581, Young & Gephart, Ventilator, D. C., N. D. Ohio, Doc. 5608, *H. H. Robertson Co.* v. *The Burt Mfg. Co.* Dismissed without prejudice (notice received Sept. 13, 1938).

1,605,445, F. L. Killian, Machine for manufacturing thin rubber articles, filed Sept. 6, 1938, D. C., S. D. N. Y., Doc. E 87/382, *F. B. Killian et al.* v. *Mayfair Chemical Corp.*

1,613,452, E. G. Grab, Retort for treatment of fruit, appeal filed Sept. 6, 1938, C. C. A., 4th Cir., Doc. 4395, *Food & Fruit Industries, Inc.*, v. *National Fruit Product Co., Inc.*

1,619,126, W. F. Hundemer, Lubricating device, D. C., S. D. Calif. (Los Angeles), Doc. E 1296–H, *Stewart-Warner Corp.* v. *G. A. Hunter Corp. et al.* Consent decree holding patent valid and infringed, injunction Sept. 17, 1938.

1,645,927, H. C. Pierce, Chromium plating, D. C., N. D. Ohio, E. Div., Doc. E 52725, *Metals Protection Corp.* v. *E. Gempel (Chrome Service Co.)*. Consent decree discontinuing and dismissing bill Sept. 22, 1938.

1,679,877, B. Rolfs, Bill folder, filed Sept. 12, 1938, D. C., N. D. N. Y., Doc. 3186, *Amity Leather Products Co.* v. *E. J. Wilkins Co., Inc.*

1,703,519, J. P. Dovel, Method for the protection of blast furnace jackets, D. C., N. D. Ala. (Birmingham), Doc. 920, *J. P. Dovel & Co., Inc.*, v. *Woodward Iron Co.* Dismissed by agreement, showing compromise Sept. 14, 1938.

1,715,085, Kaiser & Hancock, High grade wood rosin, D. C. Del., Doc. E 1237, *Hercules Powder Co.* v. *Newport Industries, Inc., et al.* Claims 1 and 2 held valid and infringed, injunction July 27, 1938.

1,753,995, T. G. Melish, Flour sifter, filed Sept. 13, 1938, D. C., E. D. Wis. (Milwaukee), Doc. 5351, *The Bromwell Wire Goods Co.* v. *National Enameling & Stamping Co.*

1,760,226, J. P. Appleby, Sash balance, D. C., S. D. Calif. (Los Angeles), Doc. E 1356–J, *Graves Co.* v. *A. H. Kersting et al.* Dismissed without prejudice Sept. 12, 1938.

1,767,018, A. L. Segelhorst, Swinging cutter cutting off tool, filed Sept. 16, 1938, D. C., S. D. Calif. (Los Angeles), Doc. E 2–Y, *I. J. McCullough* v. *Baash-Ross Tool Co. et al.*

1,769,564, W. A. Wynkoop, Ventilating joist pocket, filed Sept. 23, 1938, D. C. Oreg. (Portland), Doc. 4, *W. A. Wynkoop* v. *McCracken-Ripley Co.*

1,770,932, A. G. Leake, Method of strengthening structural members under load, filed Sept. 15, 1938, D. C., N. D. N. Y., Doc. E 3189, *A. G. Leake* v. *N. Y. Central Rrd. Co.*

1,773,146, H. F. Kellogg, Wing nut, D. C., S. D. N. Y., Doc. E 87/182, *Central Screw Co.* v. *P. Kobrin et al.* Consent decree for plaintiff (notice Sept. 13, 1938).

1,808,174, L. L. Maxam, Padded sound reproducing horn, D. C., S. D. Calif. (Los Angeles), Doc. E 948–M, *L. L. Maxam* v. *Fox West Coast Theatres Corp. et al.* Dismissed without prejudice Sept. 14, 1938.

1,824,636, R. E. Tillea, Hosiery, D. C., E. D. Pa., Doc. 10075, *Gotham Silk Hosiery Co., Inc.*, v. *Industrial Hosiery Mills, Inc.* Consent decree for plaintiff Sept. 22, 1938.

1,830,893, S. P. Tschappat, Tubing hanger, C. C. A., 10th Cir., Doc. 1668, *S. P. Tschappat et al.* v. *Hinderliter Tool Co.* Decree affirmed Sept. 8, 1938.

1,840,573, H. Feldmeier, Heat exchange device, filed Sept. 15, 1938, D. C., N. D. Ill., E. Div., Doc. 16224, *Cherry-Nurrell Corp.* v. *Mojonnier Bros. Co.*

1,850,859, F. N. Woodman, Spiral conveyor belt, filed Sept. 13, 1938, D. C., E. D. Pa., Doc. 10123, *Wickwire Spencer Sales Corp.* v. *Audubon Wire Cloth Corp.*

1,880,844, G. H. Curtiss, Road vehicle body structure, filed Sept. 6, 1938, D. C., S. D. Fla. (Miami), Doc. E 1381–M, *Curtiss Aerocar Co., Inc.*, v. *G. E. Tillitson.*

1,892,552, F. C. Holtz, Alternating current motor and method of controlling the speed thereof, appeal filed Aug. 31, 1938, C. C. A., 1st Cir., Doc. 3381, *Waltham Watch Co.* v. *Sangano Electric Co. et al.*

1,919,674, L. Wenczel, Pneumatic puffing machine, filed Sept. 20, 1938, D. C., S. D. N. Y., Doc. 1–12, *W. Gillman et al.* v. *N. Y. Paper Co., Inc., et al.*

1,921,862, E. H. Bickley, Automatic sorter, filed Sept. 7, 1938, D. C., W. D. Mich. (Grand Rapids), Doc. E 2842, *E. H. Bickley* v. *Electric Sorting Machine Co. et al.*

1,924,082, E. L. Barrett, Motor actuated circuit controlling means, D. C., W. D. N. Y., Doc. 2040, *Utah Radio Products Co.* v. *Delco Appliance Corp.* Bill dismissed as to claims 2 and 8, Sept. 16, 1938.

1,938,495, Paulin & Froom, Game apparatus, D. C., S. D. Calif., C. Div., Doc. E 225–RJ, *B. P. Higby et al.* v. *F. C. McClellan et al.* Dismissed for want of prosecution Sept. 12, 1938.

1,947,493, Rose & Engle, Coating of machine elements, D. C. Ariz. (Phoenix), Doc. E 393, *Metals Processing Corp. et al.* v. *Metal Spray Engineering Co. et al.* E. Patrick enjoined. Bill dismissed as to Metal Spray Engineering Co. and others Sept. 20, 1938.

1,955,015, J. Price, Heat exchanger, filed Sept. 16, 1938, D. C., E. D. Pa., Doc. 1, *The Griscom-Russell Co.* v. *Westinghouse Electric & Mfg. Co.*

1,955,569, H. I. Warden, Licensing of motor vehicles, D. C., W. D. Mo. (Kansas City), Doc. 2982, *H. I. Warden* v. *Kansas City.* Dismissed for failure to prosecute Sept. 16, 1938.

1,969,106, E. G. Staude, Adhesive applying and registering mechanism, filed Sept. 14, 1938, D. C., E. D. N. Y., Doc. E 8641, *E. G. Staude Mfg. Co.* v. *Berles Carton Co., Inc.*

1,970,698, H. H. Hanson, Portable repair vulcanizer; 2,070,428, F. H. Ford, Composition fuel, filed Sept. 12, 1938, D. C., E. D. Okla. (Muskogee), Doc. E 4840, *The Shaler Co.* v. *H. B. Egan et al.* Same, filed Aug. 19, 1938, D. C., E. D. Okla. (Muskogee), Doc. E 4834, *The Shaler Co.* v. *H. B. Egan Mfg. Co.* Dismissed Sept. 19, 1938.

1,997,959, C. W. Wood, Road material mixing machine, suit for declaratory judgment filed Sept. 15, 1938, D. C., S. D. Calif. (Los Angeles), Doc. E 1468–J, *Madsen Iron Works* v. *C. W. Wood et al.*

2,001,152, G. W. Olney, Stoker for furnaces, appeal filed Sept. 12, 1938, C. C. A., 8th Cir., Doc. 11310, *G. W. Olney et al.* v. *William Bros. Boiler & Mfg. Co.* Doc. 11311, *G. W. Olney et al.* v. *American Crystal Sugar Co.*

2,007,083, C. W. Griffith, Shooting gallery, D. C., E. D. Mich. (Detroit), Doc. 8101, *Phoebus Corp. et al.* v. *H. C. Lemke.* Dismissed without prejudice Sept. 10, 1938. Doc. 7778, *Phoebus Corp. et al.* v. *B. J. Marshall, Inc.* Dismissed Sept. 12, 1938.

2,008,934, A. L. Smith, Leak detector for pipe lines, C. C. A., 10th Cir., Doc. 1649, *E. R. Gilmore et al.* v. *A. L. Smith.* Decree reversed Sept. 8, 1938.

2,009,677, G. H. Pennington, Shock absorber for motor vehicles, filed Sept. 15, 1938, D. C., W. D. N. Y., Doc. E 2280, *Pennington Engineering Co.* v. *Houde Engineering Corp.* Same, filed Oct. 1, 1938, D. C., N. D. Ohio, W. Div., Doc. 4290, *Pennington Engineering Co.* v. *Spicer Mfg. Corp.*

2,025,973, E. S. Cornell, Jr., Hollow wrought metal body and method of making same, filed Sept. 23, 1938, D. C., S. D. N. Y., Doc. 1–29, *American Radiator Co.* v. *Chase Brass & Copper Co., Inc.*

2,042,439, L. J. White, Storage and dispensing apparatus for liquefied gases, D. C., N. D. Tex. (Dallas), Doc. E 3797–1053, *Southern Steel Co.* v. *Butane Gas System Co.* Dismissed without prejudice Sept. 19, 1938.

2,056,135, E. A. Butler, Composition and method for treating hair, D. C., N. D. Ohio, E. Div., Doc. 5580, *Celloware Sales Corp.* v. *Gibbs & Co.* Dismissed Sept. 7, 1938.

2,070,428. (See 1,970,698.)

2,074,671, R. G. Regester, Interiorly illuminated sign, D. C., S. D. Ohio, W. Div., Doc. E 1038, *Gill Glass & Fixture Co.* v. *The Cincinnati Advertising Products Co.* Consent decree holding patent valid and infringed Sept. 21, 1938.

2,081,694, J. Bruecker, Electric shaver, filed Sept. 6, 1938, D. C., N. D. Ill., E. Div., Doc. 16211, *Lion Mfg. Corp.* v. *Chicago Flexible Shaft Co. et al.*

2,084,851, L. J. Leishman, Means and method for turning rotatable objects to predetermined positions, filed Sept. 23, 1938, D. C., S. D. Calif. (Los Angeles), Doc. 11–J, *L. J. Leishman* v. *May Dept. Stores Co.*

2,092,659, A. C. Stone, Termite shield, D. C., N. D. Tex. (Dallas), Doc. E 3790–1046, *A. C. Stone* v. *J. C. Cannon.* Consent decree Sept. 19, 1938.

2,107,362, C. V. Bergstrom, Reflector, filed Sept. 19, 1938, D. C., E. D. Mo. (St. Louis), Doc. 5, *Persons-Majestic Mfg. Co.* v. *S. G. Adams Co.*

2,109,678, N. A. Nelson, Contact switch for ball rolling games, filed Sept. 6, 1938, D. C., N. D. Ill., E. Div., Doc. 16209, *Ace Patents Corp.* v. *The Exhibit Supply Co.* Doc. 16210, *Ace Patents Corp.* v. *Genco, Inc.* Doc. 16212, *Ace Patents Corp.* v. *Chicago Coin Machine Co.*

2,121,756, J. E. Heckert, Mobile merchandising device, filed Sept. 15, 1938, D. C., S. D. Calif., C. Div., Doc. E 1467–H, *E. L. Heckert* v. *V. E. Stachel et al.*

Re. 15,462, M. Ratel, Automatic stoker of the underfeed type, filed Aug. 8, 1938, D. C. Del., Doc. E 1276, *M. Ratel* v. *Combustion Engineering Co., Inc.*

Re. 20,827, L. J. Leishman, Means and method for turning rotatable objects to predetermined positions, filed Sept. 12, 1938, D. C., S. D. Calif. (Los Angeles), Doc. E 1463–J, *L. J. Leishman* v. *Associated Wholesale Electric Co.*

Des. 87,097, J. J. Klecka, Finger ring, D. C., S. D. Calif. (Los Angeles), Doc. E 1387–J, *J. R. Wood & Sons, Inc.*, v. *I. H. Laykin et al.* Consent decree for plaintiff for injunction Sept. 22, 1938.

Des. 98,788, J. C. Viehmann, Kitchen table, filed Sept. 21, 1938, D. C., E. D. N. Y., Doc. 1, *J. C. Viehmann et al.* v. *D. F. H. Novelty Furniture Co., Inc.*

Des. 103,369, J. E. Grotta, Gilet, D. C., S. D. N. Y., Doc. E 85/23, *J. E. Grotta et al.* v. *W. Cohn.* Consent judgment for plaintiff (notice Sept. 24, 1938).

Des. 111,164, J. Tuman, Dress, filed Sept. 23, 1938, D. C., S. D. N. Y., Doc. 1–31, *John Tuman & Sons, Inc.*, v. *Larrimore Frocks, Inc., et al.*

T. M. 295,378, H. Brosius, Stone protecting preparations which are used for protecting stone against influences of the atmosphere, filed Sept. 23, 1938, D. C., S. D. Fla. (Miami), Doc. 2–M, *H. Brosius* v. *The American Fluresit Co. et al.*

Disclaimers

1,954,939.—*Laurance F. Magness,* Baltimore, Md. MOTOR FUELS. Patent dated April 17, 1934. Disclaimer filed October 20, 1938, by the assignee, *The American Oil Company.*

Hereby enters this disclaimer to and of claims 1, 2, and 3 in said specification.

2,026,947.—*William E. Leibing,* Sausalito, Calif. METHOD AND APPARATUS FOR GOVERNING FLOW LINES. Patent dated January 7, 1936. Disclaimer filed by the assignee, *Leibing Automotive Devices, Inc.*

Hereby enters this disclaimer to claim 23 in said specification.

2,049,639.—*Frank D. Chapman,* Berlin, Wis. TREATING FOOD PRODUCTS. Patent dated August 4, 1936. Disclaimer filed October 27, 1938, by the assignee, *Berlin Chapman Company.*

Hereby enters this disclaimer of claims 1, 2, 3, 4, and 17 in said specification.

2,064,422.—*Merrell R. Fenske* and *Wilbert B. McCluer,* State College, Pa. PROCESS AND APPARATUS FOR TREATING MINERAL OILS. Patent dated December 15, 1936. Disclaimer filed October 20, 1938, by the assignee, *Pennsylvania Petroleum Research Corporation.*

Hereby enters this disclaimer to claims 1, 2, 3, 4, 8, and 9 of said Letters Patent.

2,068,298.—*William E. Leibing,* Sausalito, Calif.. METHOD AND APPARATUS FOR OPERATING AN INTERNAL COMBUSTION ENGINE. Patent dated January 19, 1937. Disclaimer filed by the assignee, *Leibing Automotive Devices, Inc.*

Hereby enters this disclaimer to claims 2, 3, and 4 in said specification.

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 15, 1938

[VOL. 496. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

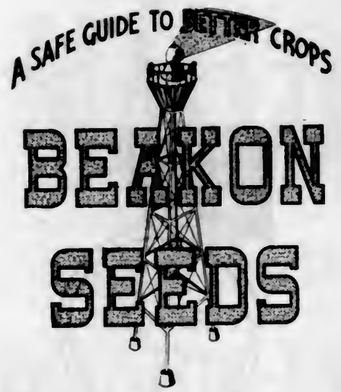
Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 410,028. GOODING SEED COMPANY, Gooding, Idaho. Filed Aug. 27, 1938.



The wording "A Safeguard for Better Crops and Seeds" is disclaimed apart from the mark.

For Alfalfa Seeds, Clover Seeds, and Grass Seeds.

Claims use since May 20, 1938.

CLASS 2

Receptacles

Ser. No. 405,131. RICHMOND WOOD WORKING COMPANY, Richmond, Va. Filed Apr. 11, 1938.

RICHCO

For Caskets, Coffins, Metal Burial Vaults, Urns, Etc.

Claims use since Mar. 3, 1938.

Ser. No. 406,004. VICTORIA VAB, INC., New York, N. Y. Filed May 4, 1938.



For Garment Bags, Hosiery Cases, Cleansing Tissue Cases, Jewel Roll (Case Containing Pockets for Pins, Bracelets, Rings, Necklaces, Etc., Which is Rolled Up to Form a Compact "Jewel Roll"), Shoe Bags, Bottle Bags, Sanitary Bags (Draw String Bag for Sanitary Napkins), Handkerchief Cases, Girdle Cases, Travel Pillow Cases (Zipper Case for Pillow and Containing a Large Pocket for a Book), Lingerie Cases, Cosmetic Cases, Glove Cases, Sewing Bags, Utility Bags, Syringe Cases, Sanitary Cases (Square Case for Sanitary Napkins), Hot Water Bottle Covers, Washcloth Cases, Fur Bags. The Said Bags are Made from Materials Other Than Precious Metals and are Made in Cloths, Such as Silks, Rayons, and Moires, and are Sold Empty.

Claims use since January, 1938.

Ser. No. 410,785. THE GARDNER-RICHARDSON COMPANY, Middletown, Ohio. Filed Sept. 20, 1938.

UNIFOLD

For Paper Boxes, Cartons, and Containers.

Claims use since July 14, 1938.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 408,226. DR. W. J. ROSS CO., Los Alamitos, Calif. Filed July 5, 1938.

SILVER FOAM

For Soap and Soap Powder Used in Washing and Cleaning of Silks, Rayons, Woolens, Clothes, and for Similar Uses.
Claims use since June 14, 1938.

Ser. No. 410,825. BEHR-MANNING CORPORATION, Troy, N. Y. Filed Sept. 21, 1938.

Reso

For Coated Abrasives, Such as Abrasive Papers and Cloths.
Claims use since Aug. 24, 1938.

Ser. No. 410,916. MANHATTAN SOAP COMPANY, INC., New York, N. Y. Filed Sept. 23, 1938.

SWEETHEART

For Toilet Soaps.
Claims use since 1907.

Ser. No. 410,994. HIRAM GOLDSTEIN, doing business as Utility Products Company, Buffalo, N. Y. Filed Sept. 26, 1938.

YOGI

For Rug and Upholstery Cleaner.
Claims use since Sept. 23, 1938.

Ser. No. 411,034. JOSEPH A. MULLEN, doing business as Sarong of Philadelphia, Philadelphia, Pa. Filed Sept. 27, 1938.

Sarong

For Soap in Jelly Form for Gloves, Hose, Lingerie, and the like.
Claims use since July 13, 1938.

CLASS 6

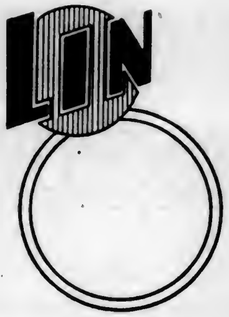
Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 393,451. WILLIAM SIEGEL, New York, N. Y., assignor to David C. Busch, New York, N. Y. Filed May 29, 1937.

Semiceptin

For Prophylactic and Contraceptive Jelly.
Claims use since Aug. 20, 1923.

Ser. No. 400,794. REIMANN, INC., Water Mill, Long Island, N. Y. Filed Dec. 13, 1937.



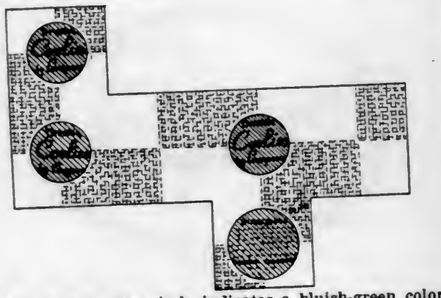
The drawing is lined for red.
For Liniments for the Treatment of Rheumatism, Neuritis, Athlete's Foot (Ring Worm), Poison Ivy, Insect Bites, Minor Cuts, Abrasions, and Skin Irritations, Rheumatic Pain, Stiffness, Swelling, and Also Usable as a Rub-Down for Athletes.
Claims use since Sept. 4, 1937.

Ser. No. 402,689. PEARL E. MCCOMBER, Los Angeles, Calif. Filed Feb. 4, 1938.

SU-LA-J

For Preparation for Head Colds, Hay Fever, and Like Ailments.
Claims use since Jan. 1, 1937.

Ser. No. 406,914. CAMPANA CORPORATION, Batavia, Ill. Filed May 31, 1938.



The lining in the circle indicates a bluish-green color, and the checkerboard lining indicates a yellow color, which is an essential feature of the mark. Applicant disclaims any right to the exclusive use of the directions appearing on the label and of the colors apart from the mark as a whole.
For Cleansing Pads Impregnated with an Astringent.
Claims use since Dec. 19, 1937.

Ser. No. 407,103. MICHIGAN ALKALI COMPANY, Wyandotte, Mich. Filed June 7, 1938.

MALCO

For Chemical Product Used as a Filler and Coating for Paper.
Claims use since May 26, 1938.

Ser. No. 408,161. ROY L. HARRIS, doing business as R. L. Harris Company, Omaha, Nebr. Filed July 2, 1938.

HARRIS'
BLU-RIB-UN

The term "Harris" is not claimed apart from the mark.
For Preparation in Tablet Form for Use in Treating Intestinal Derangements and Diarrhoeal Conditions of Poultry; for a Poultry Conditioner; a Powder for Treating Baby Chicks and Young Poultry Affected with Internal Inflammation, Overfeeding, Chilling, and When They are Crop-Bound; and for a Liquid Preparation to be Used as a Spray for the Insecticidal Treatment of Poultry and Hogs.
Claims use since May 9, 1929.

Ser. No. 408,500. THE HEATBATH CORPORATION, Indian Orchard, Mass. Filed July 14, 1938.

PENTRATE

For Salt Compositions for Metal Treating Baths.
Claims use since July 1, 1935.

Ser. No. 409,486. PENICK & FORD, LTD., INCORPORATED, New York, N. Y. Filed Aug. 11, 1938.

PENFORD

For Caramel Colors for Use in Coloring Cakes and Bread.
Claims use since Aug. 31, 1934.

Ser. No. 409,790. WARWICK CHEMICAL COMPANY, West Warwick, R. I. Filed Aug. 19, 1938.

MOTH GUARD

The word "Moth" is disclaimed apart from the association shown.
For Substance for Use in Moth Proofing Clothing.
Claims use since Aug. 2, 1938.

Ser. No. 409,827. MELVIN ROMINE & LASTRA, Ocean Park, Calif., Filed Aug. 20, 1938.

KELPTONE

For Dehydrated Sea Kelp for Use as a Food Supplement Where There is a Deficiency in Certain Minerals.
Claims use since July 15, 1938.

Ser. No. 409,938. THE QUINAMID COMPANY, New York, N. Y. Filed Aug. 24, 1938.

QUINAMID

For Medicinal Tablets for the Relief of Sinus.
Claims use since November, 1937.

Ser. No. 409,951. ENDO PRODUCTS, INC., New York, N. Y. Filed Aug. 25, 1938.

BEEKARA

For Preparation Used as a Laxative Combined With the Vitamin B Complex Derived From Yeast for the Correction of Intestinal Atony.
Claims use since Aug. 1, 1938.

Ser. No. 409,952. ENDO PRODUCTS, INC., New York, N. Y. Filed Aug. 25, 1938.

BETAKAR

For Preparation Used as a Laxative Combined With the Vitamin B Complex Derived From Yeast for the Correction of Intestinal Atony.
Claims use since Aug. 1, 1938.

Ser. No. 409,983. WHOLESALE RADIO SERVICE CO. INC., New York, N. Y. Filed Aug. 25, 1938.

LAFAYETTE
MINIGRAIN

No claim is made to the term "Lafayette" apart from the mark.
For Film Developing Compound.
Claims use since June 10, 1938.

Ser. No. 410,003. HORACE W. PIERCE, Arvada, Colo. Filed Aug. 26, 1938.



For Preparation Useful in the Treatment of Diabetes and as a General Tonic Comprising in Natural, Extracted, Concentrated, Dried, or Liquid Form a Natural Herb of Salt Bush Variety.
Claims use since Nov. 1, 1931.

Ser. No. 410,015. ATLAS SUPPLY COMPANY, Newark, N. J. Filed Aug. 27, 1938.

FROST GUARD

For Automobile Anti-Freeze Compound.
Claims use since Aug. 2, 1938.

Ser. No. 410,025. FORREST LABORATORIES, INC., New York, N. Y. Filed Aug. 27, 1938.

Bi-Laticol

For Laxative in the Nature of a Cholagogue Useful in the Treatment of Gall Bladder Ailments.
Claims use since Aug. 1, 1938.

Ser. No. 410,057. THE TATEX COMPANY, Toronto, Ohio. Filed Aug. 27, 1938.



The portrait is that of Albert Tate, a member of applicant firm.
For Hair Tonic.
Claims use since Dec. 1, 1937.

Ser. No. 410,079. HOUSE OF TRE-JUR, INC., New York, N. Y. Filed Aug. 29, 1938.



For Face Powder in Compact form.
Claims use since Apr. 24, 1938.

Ser. No. 410,089. EDWIN M. ROSENBLUTH, doing business as Rose Manufacturing Company, Philadelphia, Pa. Filed Aug. 29, 1938.

FUMOGEN

For Odorous Chemical Composition Repellent to All Animals Capable of a Deleterious Effect Upon Plants, and Including Dogs and Cats.
Claims use since Oct. 28, 1935.

Ser. No. 410,111. LENTHERIC, INCORPORATED, New York, N. Y. Filed Aug. 30, 1938.

Cloak of Night

For Perfumes and Cosmetic Creams.
Claims use since Aug. 17, 1938.

Ser. No. 410,114. THE NATIONAL COLLOID CO., Steubenville, Ohio. Filed Aug. 30, 1938.

BOILER COLLOIDENE

No claim is made to the word "Boiler."
For Boiler Compound for Use in Removing Scale and Other Foreign Matter from the Interior of Steam Producing Boilers.
Claims use since Aug. 1, 1938.

Ser. No. 410,121. J. SAUL TEPPER, Baltimore, Md. Filed Aug. 30, 1938.

DermaYouth

For Hand and Face Lotion.
Claims use since Oct. 1, 1935.

Ser. No. 410,149. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del. Filed Aug. 31, 1938.

ESSO

For Anti-Freeze Compound.
Claims use since Aug. 8, 1938.

Ser. No. 410,187. SAMUEL RUBIN, New York, N. Y. Filed September 1, 1938.

Dramettes

For Perfume, Toilet Water, Face Powder, Talcum Powder, Face Creams, Lotions for the Skin and Hair, and Shampoos.
Claims use since Oct. 1, 1937.

Ser. No. 410,283. FELIX J. BENTZ, Athol, Mass. Filed Sept. 2, 1938.

68 B

For Laxatives.
Claims use since April, 1934.

Ser. No. 410,301. NEO-VIM COMPANY, Columbus, Ohio. Filed Sept. 6, 1938.

HI-HO

For Hand or Skin Lotion.
Claims use since July 1, 1938.

Ser. No. 410,302. NEO-VIM COMPANY, Columbus, Ohio. Filed Sept. 6, 1938.

F.Y.C.

For Cough Syrup.
Claims use since July 1, 1938.

Ser. No. 410,368. J. O. MARTIN, Green City, Mo. Filed Sept. 8, 1938.

OLLIE'S

For Germicidal Ointment for Man or Beast.
Claims use since July 14, 1938.

Ser. No. 410,406. THE REVLON NAIL ENAMEL CORPORATION, New York, N. Y. Filed Sept. 9, 1938.

LACTOL

For Emulsified Oil Treatment for the Nails.
Claims use since Aug. 25, 1938.

Ser. No. 410,518. PLOUGH, INC., Memphis Tenn. Filed Sept. 13, 1938.

AGARTONE

For Medicinal Preparation—Namely, An Emulsion with Liquid Petrolatum, Agar, and Phenolphthalein.
Claims use since June 1, 1909.

Ser. No. 410,583. D'ORSAY PERFUMERIES CORPORATION, New York, N. Y. Filed Sept. 15, 1938.

Belle de Jour

For Perfumes, Perfume Extracts, Bulk Perfumes, Toilet Waters, Face Powders, Powder Compacts, Rouge, Rouge Compacts, Talcum Powders, Dusting Powders, Lip Sticks, Eyebrow Pencils, Toilet Creams, Vanishing Creams, Cleansing Creams, Bath Salts, Brilliantines, Sachet Powders, Rose Leaves, Eau de Cologne, and Body, Face, Foot, Hand, and Head Lotions.
Claims use since July 1, 1938.

Ser. No. 410,647. FINK-ROSELIEVE CO., INC., New York, N. Y. Filed Sept. 16, 1938.

MONOTOL

For Photographic Preparations and Photographic Chemicals.
Claims use since Sept. 7, 1938.

Ser. No. 410,677. ANDREW WILSON, INC., Springfield, N. J. Filed Sept. 16, 1938.

SPI-TOX

The word "Tox" is disclaimed apart from the mark.
For Insecticides.
Claims use since December, 1937.

Ser. No. 410,755. SOCIETE CHELL, SOCIETE ANONYME, La Garenne, France. Filed Sept. 19, 1938.

SALSANOS

For Laxative, Sold in the Form of an Effervescent Salt.
Claims use since Jan. 10, 1923.

Ser. No. 410,789. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany. Filed Sept. 20, 1938.

Campoferron

For Liver Preparation Containing Iron and Copper for Oral Treatment of Secondary and Pernicious Anemia.
Claims use since May 1, 1938.

Ser. No. 410,790. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany. Filed Sept. 20, 1938.

Certuna

For Synthetic Preparation Against Malaria.
Claims use since May 1, 1938.

Ser. No. 410,871. VALSTS ELEKTROTECHNISKĀ FABRIKA, Riga, Latvia. Filed Sept. 22, 1938.

MINOX

For Chemical Products for Photographic Purposes.
Claims use since Jan. 10, 1938.

Ser. No. 411,091. ERNST BISCHOFF COMPANY, INCORPORATED, Ivoryton, Conn. Filed Sept. 29, 1938.

PREGNACOL

For Diagnostic Preparation for the Determination of Pregnancy.
Claims use since June 6, 1938.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 411,022. JAMES L. YOUNGHUSBAND, Chicago, Ill. Filed Sept. 26, 1938.

OVERNIGHT

For Pipe Cleaners.
Claims use since Aug. 7, 1937.

CLASS 10

Fertilizers

Ser. No. 409,967. FLORIDA FAVORITE FERTILIZER CO., Lakeland, Fla. Filed Aug. 25, 1938.

THE F.F.F. BRANDS

No claim is made to the word "Brands" apart from the mark.
For Fertilizer.
Claims use since Mar. 21, 1931.

Ser. No. 410,568. ANDREW WILSON, INC., Springfield, N. J. Filed Sept. 14, 1938.

RHODY-LIFE

For Soil Conditioner in the Nature of a Fertilizer Especially Adapted for Raising Rhododendrons, Azaleas, Etc.
Claims use since June, 1926.

CLASS 11

Inks and Inking Materials

Ser. No. 410,768. THE CALIFORNIA INK COMPANY, INC., San Francisco, Calif. Filed Sept. 20, 1938.

C.S.C.

For Ink, Particularly Printing Ink.
Claims use since Aug. 19, 1938.

CLASS 12

Construction Materials

Ser. No. 408,862. SHERRIFF-GOSLIN CO., Battle Creek, Mich. Filed July 23, 1938.

SHINGLETEX

For Shingles and Siding.
Claims use since Aug. 21, 1936.

Ser. No. 410,376. UNITED STATES PLYWOOD CORPORATION, New York, N. Y. Filed Sept. 8, 1938.

WELDBORD

For Plywood Wall Board.
Claims use since Sept. 6, 1938.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 402,248. CHICAGO METAL HOSE CORPORATION, Maywood, Ill. Filed Jan. 24, 1938.

VIBRA-SORBER

For Metal Conduits, Metal Piping, Metal Hose, Metal Tubings Including Flexible Tubing, and Fittings Therefor.
Claims use since July, 1937.

Ser. No. 409,626. SKID FASTENER CORPORATION, New York, N. Y. Filed Aug. 15, 1938.

SKID

For Slide Fasteners.
Claims use since July 6, 1938.

CLASS 16

Paints and Painters' Materials

Ser. No. 406,362. TITAN CO. A/S, Fredrikstad, Norway. Filed May 14, 1938.

KROTIOX

For Paint Products and Paint Making Materials—Namely, Titanium Pigment Compositions Including Titanium Dioxide, Composite Titanium Pigments and Titanate Pigments, Mineral Paint Pigments, Extenders and Fillers; Paints, Whether Dry, Paste, or Ready Mixed; Lacquers, Varnishes, Anti-Corrosive Paints, Anti-Fouling Paints, Paint Oils, Driers, Diluents.
Claims use since Apr. 20, 1938.

Ser. No. 406,363. TITAN CO. A/S, Fredrikstad, Norway. Filed May 14, 1938.

RUTIOX

For Paint Products and Paint Making Materials—Namely, Titanium Pigment Compositions Including Titanium Dioxide, Composite Titanium Pigments and Titanate Pigments, Mineral Paint Pigments, Extenders and Fillers; Paints, Whether Dry, Paste, or Ready-Mixed; Lacquers, Varnishes, Anti-Corrosive Paints, Anti-Fouling Paints, Paint Oils, Driers, Diluents.
Claims use since Apr. 20, 1938.

Ser. No. 408,195. MCALEER MANUFACTURING COMPANY, Detroit, Mich. Filed July 5, 1938.

MACAR

For Preparation Which Polishes and Cleans Automobiles, Furniture, and Lacquered, Varnished, or Enameled Surfaces in One Operation.
Claims use since Apr. 27, 1938.

Ser. No. 410,408. ROXALIN FLEXIBLE LACQUER COMPANY, INCORPORATED, Elizabeth, N. J. Filed Sept. 9, 1938.

ROXAPRENE

For Paste and Ready-Mixed Paints, Varnishes, Paint Thinners, Lacquers, and Paint Enamels.
Claims use since Aug. 29, 1938.

Ser. No. 410,965. THE PENNZOIL COMPANY, Oil City, Pa. Filed Sept. 24, 1938.

PENNZITE

For Ready Mixed Cement Paint.
Claims use since May 24, 1938.

CLASS 17

Tobacco Products

Ser. No. 401,697. LARUS & BROTHER COMPANY, doing business as Reed Tobacco Company, Branch Larus & Brother Company, Richmond, Va. Filed Jan. 8, 1938.



The outline of the label is disclaimed. The drawing is lined for red.
For Cigarettes.
Claims use since Dec. 17, 1937.

Ser. No. 410,267. JOHANNA S. RAFFL, doing business as Al. L. Raffl, Red Bud, Ill. Filed Sept. 3, 1938.



The portrait is that of Major Reno, deceased.
For Cigars, Cigarettes, and Scrap Tobacco for Smoking and Chewing.
Claims use since May, 1904.

Ser. No. 410,942. BELLE R. FIDELL, doing business as B. Fidell, New York, N. Y. Filed Sept. 23, 1938.

WORLD'S FAIR

For Cigarettes.
Claims use since Sept. 16, 1938.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 400,413. THE GOODYEAR TIRE & RUBBER COMPANY, INC., Wilmington, Del., and Akron, Ohio. Filed Dec. 3, 1937.

RELIANCE

For Bicycles.
Claims use since Oct. 8, 1937.

Ser. No. 410,384. ARNOLD, SCHWINN & CO., Chicago, Ill. Filed Sept. 9, 1938.



For Bicycles.
Claims use since Jan. 15, 1896.

Ser. No. 411,044. JULIUS A. MAHR, Minneapolis, Minn. Filed Sept. 28, 1938.

MOTORIDE

For Baby Carriages.
Claims use since Sept. 1, 1938.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 397,701. THE BOLSER CORPORATION, Cedar Falls, Iowa. Filed Sept. 23, 1937.



The representation of the goods and the words "Genuine Multi-Ray" are disclaimed apart from the mark.
For Electric Clearance Lights, Marker Lights, Direction Lights, Cluster Lights, Identification Lights, and Signal Lights for Use on Vehicles.
Claims use since Aug. 14, 1937.

Ser. No. 398,307. BELMONT RADIO CORPORATION, Chicago, Ill. Filed Oct. 9, 1937.



The words "Valve" and "Quality" are disclaimed apart from the mark.
For Radio Receiving Sets.
Claims use since May 21, 1934.

Ser. No. 402,058. COMMUNICATION DEVELOPMENT CORP., New York, N. Y. Filed Jan. 18, 1938.

CO-DE-CO

For Radio Transmitters, Receivers.
Claims use since Feb. 6, 1937.

Ser. No. 405,269. RAY-O-VAC COMPANY, Madison, Wis. Filed Apr. 14, 1938.

RADIANT

For Electrical Dry-Cell Batteries for Use in Flash Lights and the Like.
Claims use since May, 1932.

Ser. No. 406,194. FRED F. RICHARDS, doing business as Richards' Electro-Fence, Payette, Idaho. Filed May 10, 1938.



For Electric Fence Controller for Controlling the Electric Current Supply to Fences and/or Fence Wires, and Electric Stock Prods.
Claims use since Sept. 1, 1936.

Ser. No. 409,369. EMANUEL TEITZ, New York, N. Y. Filed Aug. 8, 1938.



No claim is made to the words "Extralite", "Reflector", and "Lamp" or to the representation of the goods apart from the mark. The drawing is lined for yellow and blue.
For Lamps.
Claims use since August, 1937.

Ser. No. 409,984. ROBERT A. WRIGHT, Casey, Ill. Filed Aug. 25, 1938.



For Electrical Educational Device in Which Cards are Displayed Carrying a Number of Questions and the Corresponding Answers, Each Question Having Associated Therewith an Electric Terminal Electrically Connected to a Similar Terminal Associated with the Corresponding Answer, and in Which Selective Means are Provided for Connecting the Several Terminals in an Electric Signal Circuit Which is Completed Only When the Terminals Corresponding to a Question and Its Proper Answer are Selected.
Claims use since Aug. 2, 1938.

Ser. No. 410,125. THE ACME WIRE COMPANY, New Haven, Conn. Filed Aug. 31, 1938.

PAPERITE

For Insulated Electric Wire.
Claims use since June 17, 1938.

Ser. No. 410,126. THE ACME WIRE COMPANY, New Haven, Conn. Filed Aug. 31, 1938.

HEATEX

For Insulated Electric Wire.
Claims use since July 8, 1938.

Ser. No. 410,127. THE ACME WIRE COMPANY, New Haven, Conn. Filed Aug. 31, 1938.

CELENITE

For Insulated Electric Wire.
Claims use since Apr. 15, 1935.

Ser. No. 410,237. PENN BATTERY MANUFACTURING CO., INC., New York, N. Y. Filed Sept. 2, 1938.



For Electric Batteries, Battery Leads, Cables, and Connectors.
Claims use since Aug. 15, 1938.

Ser. No. 410,623. THE M. B. AUSTIN COMPANY, Chicago, Ill. Filed Sept. 16, 1938.

LINE-O-LETS

For Cast Conduit Outlet Boxes and Electrical Fittings for Use in Electrical Wiring and Including Grounding Devices.
Claims use since May 25, 1938.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 402,475. THE HEALD MACHINE COMPANY, Worcester, Mass. Filed Jan. 29, 1938.

HEALD RED HEAD

The words "Heald" and "Head" are disclaimed apart from the mark. The drawing is lined for red.
For Tool Heads of Machines Used in the Grinding and Boring of Metals.
Claims use since January, 1933.

Ser. No. 404,466. DAVID BROWN & SONS (HUDDERSFIELD) LIMITED, Huddersfield, England. Filed Mar. 25, 1938.

RADICON

For Toothed Gear Wheels, Single-Stage Speed-Reducing and Speed-Increasing Worm Gear Units, Single-Stage Speed-Reducing and Speed-Increasing Bevel Gear Units, Single-Stage Speed-Reducing and Speed-Increasing Helical Gear Units, Two-Stage Speed-Reducing and Speed-Increasing Worm Gear Units, Two-Stage Speed-Reducing

and Speed-Increasing Helical Gear Units, Three-Stage Speed-Reducing and Speed-Increasing Helical Gear Units, Speed-Reducing and Speed-Increasing Gear Units Combining Worm and Helical Gearing, and Speed-Reducing and Speed-Increasing Gear Units Combining Helical Gearing and Bevel Gearing.
Claims use since March, 1933.

Ser. No. 408,886. ELSA KREUTZIG, Jersey City, N. J. Filed July 25, 1938.

SAN-O-KLEEN
AUTOMATIC TOILET SEAT COVERS

No claim is made to the words "Kleen" and "Automatic Toilet Seat Covers" or to the representation of the goods apart from the mark.
For Automatic Machine for Ejecting Sanitary Tissue Sheet Covers on Toilet Seats.
Claims use since July 12, 1938.

Ser. No. 409,247. THERMAL ENGINEERING CORPORATION, Richmond, Va. Filed Aug. 4, 1938.

THERMO-VACTOR

For Installations Including Treatment Chambers, Steam Jet Equipment, Condensers, Pumps, and Control Mechanisms, and Parts Thereof for Moistening, Softening, Ordering, and Exterminating Infestations in Tobacco, and in Food Products Including Grains and Cereals.
Claims use since Jan. 24, 1936.

Ser. No. 409,258. BOSTON WOVEN HOSE AND RUBBER COMPANY, Cambridge, Mass. Filed Aug. 5, 1938.

BULL DOG

For Harness Strapping or Heddle Straps for Looms.
Claims use since May 26, 1934.

Ser. No. 410,112. MARKWELL MANUFACTURING COMPANY, INC., New York, N. Y. Filed Aug. 30, 1938.

Staple-Master

Te term "Staple" is disclaimed apart from the mark.
For Stapling Machines Used for Fastening Papers, Cardboard, Fabrics, Metal, Etc. Together, Also for Fastening Papers, Cardboard, Fabrics, Metal, Etc. on to Wood, Etc.
Claims use since Aug. 26, 1938.

Ser. No. 410,657. POHLMAN & LORENZER, Chicago, Ill. Filed Sept. 16, 1938.

Glideaway

For Gravity Roller Conveyors.
Claims use since July 15, 1938.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 406,132. HOMESTEAD VALVE MANUFACTURING COMPANY, Coraopolis and Moon Township, Allegheny County, Pa. Filed May 9, 1938.

SPEED REMINDER

The words "Speed Reminder" are disclaimed apart from the mark.
For Apparatus to be Used as an Accessory of an Automobile to Warn, Signal, or Indicate to the Operator That the Automobile has Reached Any Predetermined and Chosen Speed.
Claims use since May 3, 1938.

Ser. No. 407,078. INTERNATIONAL RADIO CORPORATION, Ann Arbor, Mich. Filed June 4, 1938.

BROMEX

For Light Sensitive Film and Sensitized Photographic Paper.
Claims use since Apr. 1, 1938.

Ser. No. 408,315. INTERNATIONAL RADIO CORPORATION, Ann Arbor, Mich. Filed July 8, 1938.

argus

For Cameras, Enlargers for Making Enlarged Prints From Photographic Films, Projectors for Projecting Photographic Film, Microfilm Readers, Projectors and Printers, a Unitary Instrument for Projecting, Enlarging, and Printing Photographic Film, Projector Slide Binding Equipment Which is Equipment for Binding Photographic Film in Slides for Projection or Viewing Purposes, Lens Filters, Auxiliary Lenses, Microscope Adapters, Cable Releases Which is Flexible Wire Cable for the Purpose of Opening and Closing Shutters Used in Connection With Cameras, Camera Cases, Projection Screens, Projection Slide Cases, Flash Bulb Appliances, Exposure Meters, Photographic Printing Machines, Light Sensitized Photographic Paper, Apparatus for Containing and Using Photographic Developing and Finishing Solutions, and Photographic Equipment More Specifically Photographic Copying Stands, Photographic Micro Attachments Used for Securing Maximum Image Sizes of Small Objects on Photographic Film, Framing Easels, and Photographic Developing Tanks, Trays and Containers.
Claims use since Oct. 24, 1935.

Ser. No. 410,215. CHEMCO PHOTOPRODUCTS COMPANY, Glen Cove, N. Y. Filed Sept. 2, 1938.

ORTHO-STRIP

The term "Strip" is disclaimed.
For Photographic and Photo-Engraving Product—Namely, Strip Film, a Film Supported or Backed on Paper Which After Being Chemically Treated Through Development is Separated From the Paper Backing and Stripped Onto Glass.
Claims use since Apr. 1, 1938.

Ser. No. 410,658. THE RELIANCE GAUGE COLUMN COMPANY, Cleveland, Ohio. Filed Sept. 16, 1938.

UNITEMP

For Liquid Level Gauges and Indicators, Parts, and Fittings Thereof.
Claims use since Feb. 18, 1938.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 407,694. SPEAR & SUSSKIND, Providence, R. I. Filed June 20, 1938.

WORLD'S FAIR

For Watch Chains, Tie Chains, Key Chains, Bracelets, Cuff Links, Scarf Pins, Collar Holders, Brooches, Finger Rings, Lockets, Crosses, Pendants, and the Following Articles Made in Whole or in Part of Precious Metal or Plated with Same: Compacts, Chains, Collar Buttons, Pins, Cigar Cases, Cigarette Cases, and Hand Bags.
Claims use since July, 1936.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 410,263. CLARENCE MAUS, doing business as Clarence-Maus Mop Company, New Orleans, La. Filed Sept. 3, 1938.



The word "Mops" is disclaimed apart from the mark.
For Wet Mops.
Claims use since July 15, 1935.

Ser. No. 411,106. SLEETEX COMPANY, INC., New York, N. Y. Filed Sept. 29, 1938.

Wind-O-Swish

For Window Hand Cleaner or Squeegee.
Claims use since July 28, 1938.

Ser. No. 411,117. BRISTOL-MYERS COMPANY, New York, N. Y. Filed Sept. 30, 1938.

D.D.

For Toothbrushes.
Claims use since Aug. 30, 1938.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 400,379. LOCHINVAR CORPORATION, Detroit, Mich. Filed Dec. 2, 1937.

Junior-Aire

No claim is made to the word "Aire" apart from the mark.
For Oil Burning Air Conditioning Furnaces.
Claims use since July 1, 1937.

Ser. No. 403,931. AMERICAN ARCH COMPANY, INC., New York, N. Y. Filed Mar. 11, 1938.

SECURITY

For Water Circulators for Boiler Fireboxes and Combustion Chambers.
Claims use since December, 1935.

Ser. No. 408,019. THE FOUNDRY EQUIPMENT COMPANY, Cleveland, Ohio. Filed June 29, 1938.

TOWER

For Industrial Ovens.
Claims use since Mar. 22, 1938.

CLASS 36

Musical Instruments and Supplies

Ser. No. 407,811. CARL LINDSTRÖM AKTIENGESELLSCHAFT, Berlin, Germany. Filed June 23, 1938.

Gloria

For Phonographs and Parts Thereof, Needles for Talking Machines, Soundboxes, Disks, Records, Record Cases, Albums for Records, Dictating Machines, and Parts Thereof.
Claims use since Nov. 15, 1915.

Ser. No. 410,636. CHICAGO MUSICAL INSTRUMENT COMPANY, Chicago, Ill. Filed Sept. 16, 1938.

TONETTE

For Wind Instruments—Namely, a Closed Tube Instrument Having a Flute-Like Tone.
Claims use since Sept. 12, 1938.

CLASS 37

Paper and Stationery

Ser. No. 407,034. SCHWABACHER BROS. & CO., INC., Seattle, Wash. Filed June 2, 1938.

HAPPY HOME

For Paper Towels, Waxed Paper, and Paper Napkins.
Claims use since 1929 on waxed paper; since 1930 on paper napkins; and since Mar. 26, 1938, on paper towels.

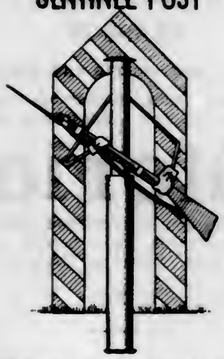
Ser. No. 408,147. ARKWRIGHT FINISHING COMPANY, Providence, R. I. Filed July 2, 1938.



The mark consists of a single blue line near each longitudinal edge of the tracing cloth.
For Tracing Cloth.
Claims use since Nov. 23, 1921.

Ser. No. 409,671. AMERICAN LOOSE LEAF CORPORATION, New York, N. Y. Filed Aug. 17, 1938.

SENTINEL POST



The representation of the binder's post is disclaimed apart from the mark.
For Looseleaf Binder Posts.
Claims use since Feb. 11, 1935.

Ser. No. 409,954. ENFRED W. ANDERSON, Norway, Mich. Filed Aug. 25, 1938.

CAR-TROL

For Printed Forms.
Claims use since Apr. 18, 1938.

Ser. No. 410,893. GOLDSMITH BROS., New York, N. Y. Filed Sept. 26, 1938.

Niftees

For Cleansing and Facial Tissues.
Claims use since Aug. 16, 1938.

Ser. No. 411,032. S. H. KRESS AND COMPANY, New York, N. Y. Filed Sept. 27, 1938.



For Paper Towels.
Claims use since Aug. 1, 1938.

CLASS 38

Prints and Publications

Ser. No. 384,247. BLACKETT-SAMPLE-HUMMERT, INC., Chicago, Ill. Filed Oct. 12, 1936.

HOUSEBOAT HANNAH

Trade-mark consists of the name "Houseboat Hannah", the name of a fictitious character appearing in the serial published periodically by the applicant.
For Scripts for a Series of Commercial Radio Broadcasts.
Claims use since Aug. 25, 1936.

Ser. No. 407,293. ELIZABETH CECELIA GLOEB, doing business as Railroader Publishing Co., Omaha, Nebr. Filed June 10, 1938.

RAILROADER MAGAZINE AND DIGEST

For Magazine.
Claims use since Feb. 1, 1938.

Ser. No. 408,136. CURT TEICH & COMPANY, INC., Chicago, Ill. Filed July 1, 1938.

C. T. PHOTO-COTE

The word "Photo" is disclaimed.
For Post Cards and Pictorial Illustrations.
Claims use since May 1, 1938.

Ser. No. 409,189. THE COLLECTAGUIDE CO., New York, N. Y. Filed Aug. 3, 1938.

Collectaguide

For Looseleaf Sheets or Pamphlets Issued From Time to Time Containing Historical, Scientific, or Other Information of Interest in Special Fields.
Claims use since Mar. 24, 1938.

CLASS 39

Clothing

Ser. No. 392,892. SEIDENBACH'S, INC., Tulsa, Okla. Filed May 17, 1937.

Clareden EXCLUSIVE WITH Seidenbach's

The words "Exclusive With" are disclaimed apart from the mark.
For Hosiery and Women's Underwear.
Claims use since Feb. 6, 1937.

Ser. No. 396,895. ISAAC RIVKIN, doing business as Cabana Beach Wear Company, Philadelphia, Pa. Filed Aug. 28, 1937.

Cosmode

For Women's Bathing Suits, Sweaters, Jackets, Slacks, Dresses, Coats, and Beach Robes.
Claims use since Aug. 16, 1937.

Ser. No. 400,069. MARKS SCHNEIDER, doing business as Columbia Skirt Co., Boston, Mass. Filed Nov. 23, 1937.

Columbine

For Skirts and Jackets.
Claims use since Oct. 1, 1937.

Ser. No. 401,985. R. H. COMEY BROOKLYN COMPANY, INC., Brooklyn, N. Y. Filed Jan. 17, 1938.

Verdolino

For Hats and Hat Bodies for Men, Women, and Children, Composed Principally of Straw, Chip, Hemp, Visca, Palm, Hair, Pyroxaline, Pedaline, Toquilla Fibre, or Other Vegetable Fibre.
Claims use since Jan. 1, 1934.

Ser. No. 403,965. SAKS & COMPANY, New York, N. Y. Filed Mar. 11, 1938.

SNIP-ZIP HEM

SAKS AT 34TH – NEW YORK

Applicant disclaims the words "Snip", "Saks at 34th—New York", and "Hem" except as shown.
For Women's and Misses' Slips.
Claims use since Feb. 18, 1938.

Ser. No. 404,155. SOBEL BROS., New York, N. Y. Filed Mar. 17, 1938.

INDIAN PRIDE

The word "Shoes" is disclaimed.
For Men's, Women's, and Children's Boots, Shoes, and Slippers Made of Leather, Rubber, or Fabric, or Combinations of Such Materials.
Claims use since July, 1937.

Ser. No. 404,187. THE SHEPARD COMPANY, Providence, R. I. Filed Mar. 17, 1938.

Shepardess

For Women's and Children's Wearing Apparel—Namely, Hats, Coats, Wraps, Dresses, Blouses, Outer Skirts, Sweaters, Boots, Shoes and Slippers (Made Wholly or in Part of Leather, Canvas, Rubber, or Textile Material), Hosiery; Gloves of Leather, Fabric, or Combinations Thereof; Handkerchiefs; Knitted and Textile Fabric Undergarments—Namely, Negligees, Bathrobes, Nightgowns, Pajamas, Under Shirts, Corsets, Brassières, Knickers, Panties, Step-Ins, Petticoats, Slips; Men's and Boys' Wearing Apparel—Namely, Hats, Caps, Coats, Sweaters, Boots, Shoes, and Slippers (Made Wholly or in Part of Leather, Canvas, Rubber, or Textile Material), Hosiery; Gloves of Leather, Fabric, or Combinations Thereof; Outer Shirts, Neckties, Handkerchiefs, Bathrobes; Knitted and Textile Fabric Undergarments—Namely Under Shirts, Shorts, Union Suits, Pajamas.
Claims use since Feb. 20, 1935.

Ser. No. 405,415. THE SHEPARD COMPANY, Providence, R. I. Filed Apr. 18, 1938.

Thunderbolt

For Women's and Children's Wearing Apparel—Namely, Hats, Coats, Wraps, Dresses, Blouses, Outer Skirts, Sweaters; Boots, Shoes, and Slippers (Made Wholly or in Part of Leather, Canvas, Rubber, or Textile Material), Hosiery, Handkerchiefs; Knitted and Textile Fabric Undergarments—Namely, Negligees, Bathrobes, Nightgowns, Pajamas, Undershirts, Corsets, Brassières, Knickers, Panties, Underdrawers, Petticoats, Slips; Men's and Boys' Wearing Apparel—Namely, Hats, Caps, Coats, Sweaters, Boots, Shoes, and Slippers (Made Wholly or in Part of Leather, Canvas, Rubber, or Textile Material), Outer Shirts, Ties, Hosiery, Handkerchiefs, Bathrobes; Knitted and Textile Fabric Undergarments—Namely, Undershirts, Shorts, Union Suits, Pajamas.
Claims use since February, 1938.

Ser. No. 406,120. R. H. COMEY BROOKLYN COMPANY, INC., Brooklyn, N. Y. Filed May 9, 1938.

MYO

For Hats and Hat Bodies for Men, Women, and Children, Composed Principally of Straw, Chip, Hemp, Visca, Palm, Hair, Pyroxaline, Pedaline, Toquilla Fibre, or Other Vegetable Fibre.
Claims use since February, 1913.

Ser. No. 406,563. PECK & PECK, New York, N. Y. Filed May 20, 1938.

PECK & PECK'S Carleton HABERDASHER

Applicant disclaims the word "Carleton" apart from the mark. Applicant is the owner of trade-mark registrations 330,150, 330,151, 334,868.
For Women's Dresses.
Claims use since Mar. 15, 1938.

Ser. No. 406,941. AL. REUGE & CIE, Ste. Croix, Switzerland. Filed May 31, 1938.

KANDAHAR

The word "Kandahar" is disclaimed except as shown.
For Ski Wear—Namely, Boots, Jackets, Sweaters, Trousers, Leggings, Hose, Caps, and Gloves.
Claims use since June, 1937.

Ser. No. 407,754. M. HOFFMAN COATS, INC., New York, N. Y. Filed June 22, 1938.

Hoffshire TRAVEL COATS

Applicant disclaims the words "Travel Coats".
For Ladies' Coats and Suits.
Claims use since Jan. 1, 1936.

Ser. No. 408,439. STYLSTER, New York, N. Y. Filed July 12, 1938.

TIE OF THE WEEK by Stylster EXCLUSIVE PATTERNS SMART STYLES OF TODAY PLUS WEAR & SATISFACTION

The words "Tie", "Exclusive Patterns", and "Smart Styles of Today Plus Wear and Satisfaction" are disclaimed apart from the mark.
For Neckties.
Claims use since May 5, 1938.

Ser. No. 408,660. H. A. SATIN & CO., INC., Chicago, Ill. Filed July 19, 1938.

Sally Ann COTTON FROCKS

The words "Cotton Frocks" are disclaimed apart from the mark.
For Cotton House Dresses.
Claims use since 1928.

Ser. No. 408,681. ARMAND WEILL & CO. LTD., Honolulu, Territory of Hawaii. Filed July 18, 1938.

AMERICAN CRUSADER

The word "American" is disclaimed apart from the mark.
For Men's and Boys' Dress, Negligee, and Work Shirts, Hosiery, Pajamas, and Leather and Fabric Belts.
Claims use since May 27, 1938.

Ser. No. 408,683. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Filed July 20, 1938.

Marlene

For Hosiery.
Claims use since Apr. 20, 1938.

Ser. No. 408,849. JOSEPH LEVAY, INC., New York, N. Y. Filed July 23, 1938.

Renella

For Women's and Misses' Dresses, Ensembles Consisting of a Dress and a Jacket, Skirts, Waists, and Play Suits Made of Rayon or Silk or Both.
Claims use since Mar. 1, 1938.

Ser. No. 408,888. MASON SHOE MANUFACTURING COMPANY, Chippewa Falls, Wis. Filed July 25, 1938.

The CHIPPEWA Clipper

Applicant disclaims the words "The Chippewa" apart from the mark.
For Footwear—Namely, Shoes, Oxfords, Slippers, Boots, and Work Shoes Made Principally of Leather with Portions Made of Fabric and Rubber.
Claims use since June 30, 1938.

Ser. No. 409,095. HOOD RUBBER COMPANY, INC., Wilmington, Del., and Watertown, Mass. Filed July 30, 1938.

ARRASKYN

For Rubber Gloves Which Are Used as Follows—For Gardening, Household Purposes, and as a Sportsman's Glove.
Claims use since May 1, 1937.

Ser. No. 409,249. WORTH BROS. INC., Los Angeles, Calif. Filed Aug. 4, 1938.

Cal-Spun

The word "Spun" is disclaimed apart from the mark.
For Men's and Women's Suits and Top Coats.
Claims use since June 17, 1938.

Ser. No. 409,639. BENSON & RIXON COMPANY, Chicago, Ill. Filed Aug. 16, 1938.

LLAMADERO

For Overcoats and Top Coats for Men, Which Coats Contain a Substantial Content of Llama's Hair.
Claims use since Mar. 1, 1938.

Ser. No. 409,783. A. SAGNER & SONS, INC., Baltimore, Md. Filed Aug. 19, 1938.

ANGLO-KNIT HAND TAILORED AT Englishtown

All wording is disclaimed apart from the mark.
For Men's Suits and Overcoats.
Claims use since Mar. 2, 1938.

Ser. No. 409,788. VELVERAY CORPORATION OF AMERICA, New York, N. Y. Filed Aug. 19, 1938.

Velveray

For Women's and Children's Suits, Skirts, Jackets, Dresses, and Blouses.
Claims use since Oct. 1, 1929.

Ser. No. 409,871. JOSEPHINE C. EMERSON, Los Angeles, Calif. Filed Aug. 23, 1938.

Kit Carson

The mark consists of the name of the historically famous American trapper and guide, now deceased.
For Sports Apparel—Namely, Sports Shirts.
Claims use since July 22, 1938.

Ser. No. 409,958. JOSEPH H. COHEN & SONS, VANITY CLOTHES, INC., New York, N. Y. Filed Aug. 25, 1938.

BLUE BANNER SPECIAL

The word "Special" is disclaimed apart from the mark.
For Men's Clothing—Namely, Overcoats, Topcoats, and Suits.
Claims use since Aug. 17, 1938.

Ser. No. 410,008. STYLE GARMENT COMPANY INC., Los Angeles, Calif. Filed Aug. 26, 1938.

The Exposition COAT from CALIFORNIA

The words "Coat" and "From California" are disclaimed apart from the mark.
For Ladies' Cloaks, Coats, and Suits.
Claims use since Mar. 1, 1938.

Ser. No. 410,023. DAWSON HAT CORPORATION, New York, N. Y. Filed Aug. 27, 1938.

Fashions at the Bar

The word "Fashions" is disclaimed except as shown.
For Ladies' Hats.
Claims use since July, 1938.

Ser. No. 410,177. FREEDMAN BROTHERS, New York, N. Y. Filed Sept. 1, 1938.

"ZIP-O-FRONT"

The word "Front" is disclaimed apart from the mark.
For Children's Overalls, Leggings, Ski Suits, and Rugby Suits.
Claims use since May, 1938.

Ser. No. 410,226. ALPHONS HURZELER, New York, N. Y. Filed Sept. 2, 1938.



The words "Made in Switzerland" are disclaimed apart from the mark.
For Women's and Misses' Clothing—Namely, Dresses, Skirts, Coats, and Suits.
Claims use since Aug. 23, 1938.

Ser. No. 410,229. LAMM BROTHERS, INCORPORATED, Baltimore, Md. Filed Sept. 2, 1938.

Glentweed

For Sport Coats, Suits, Topcoats, Reversible Coats, and Overcoats for Men, Women, and Children.
Claims use since 1930.

Ser. No. 410,399. JULIUS KAYSER & CO., New York, N. Y. Filed Sept. 9, 1938.

DUBL-DU

For Girdles.
Claims use since Aug. 23, 1938.

Ser. No. 410,513. R. H. MACY & CO., INC., New York, N. Y. Filed Sept. 13, 1938.

Krazy Kap

No claim is made to the word "Kap".
For Women's Hats.
Claims use since Mar. 2, 1937.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 409,846. GEORGE MORRELL CORPORATION, Muskegon Heights, Mich. Filed Aug. 22, 1938.

Galorn

For Buttons and Beads Made of Casein.
Claims use since July 12, 1938.

Ser. No. 410,136. FOSGOOD CORPORATION, Leominster, Mass. Filed Aug. 31, 1938.

2 IN 1

For Combs.
Claims use since Aug. 8, 1938.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 404,888. DRESSMAKER FABRICS-DAVID CUSTAGE, INC., New York, N. Y. Filed Apr. 5, 1938.



Applicant disclaims the word "Fabrics" except as shown.
For Piece Goods Consisting in Whole or in Part of Pure or Weighted Silk, Rayon, Synthetic Yarn, Cotton, Linen, or Wool.
Claims use since Feb. 10, 1938.

Ser. No. 406,882. J. ROSENHOLZ INC., New York, N. Y. Filed May 28, 1938.

ROSEMARIE PRINTS

The word "Prints" is disclaimed apart from the mark.
For Piece Goods Made Wholly or in Part of Acetate, Rayon, Spun Rayon, and Silk.
Claims use since Dec. 31, 1937.

Ser. No. 409,335. WORTH BROS. INC., Los Angeles, Calif. Filed Aug. 6, 1938.

Cal-Spun



The word "Spun" is disclaimed apart from the mark.
For Piece Goods of Wool and Wool and Rayon.
Claims use since June 17, 1938.

Ser. No. 409,466. JOSIAH FRANCE, LIMITED, Huddersfield, England. Filed Aug. 11, 1938.

Polarbreeze

For Worsted Fabrics in the Piece for Use in Making into Outer Clothing for Men and Women.
Claims use since March, 1937.

Ser. No. 410,197. VELVERAY CORPORATION OF AMERICA, New York, N. Y. Filed Sept. 1, 1938.

TRAVELYN

For Decorated, Printed, and Ornamented Knitted and Woven Textile Piece Goods, Which Piece Goods are Crepe Goods, Flat Goods, or Pile Goods and Consist of Cotton, Silk, Linen, Wool, or Mixtures Thereof.
Claims use since July, 1938.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 410,992. GOLDSMITH BROS., New York, N. Y. Filed Sept. 26, 1938.

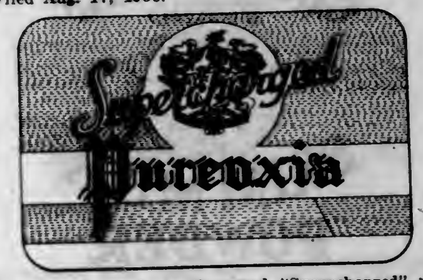
GOLDEX

For Absorbent Cotton and Sanitary Applicators.
Claims use since Nov. 11, 1936, on absorbent cotton; and since June 18, 1938, on sanitary applicators.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 409,693. THE MOXIE COMPANY, Boston, Mass. Filed Aug. 17, 1938.



No claim is made to the word "Supercharged" used alone or to the representation of a label per se. The drawing is lined for silver.
For Club Soda.
Claims use since June, 1938.

Ser. No. 410,463. J. FRANK & SONS, Philadelphia, Pa. Filed Sept. 12, 1938.

LEM NECTAR

The word "Nectar" is disclaimed.
For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, and Syrups, Extracts, and Flavors Used in Making the Same.
Claims use since Apr. 1, 1938.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 382,615. PIGGLY WIGGLY CORPORATION, Cincinnati, Ohio. Filed Aug. 26, 1936.

SUNSET GOLD

For Dairy and Poultry Feed.
Claims use since 1914.

Ser. No. 392,812. IVAR NORDBACK, doing business as Brown Medal Co., New York, N. Y. Filed May 15, 1937.



The drawing is lined for brown. The words "Trade Mark" are disclaimed apart from the mark.
For Dextrinized Brown Flour for Making Gravies.
Claims use since May 3, 1937.

Ser. No. 395,379. MYER STAFF, doing business as Dairy Products Co., Birmingham, Ala. Filed July 19, 1937.

CLOVERLEAF BRAND



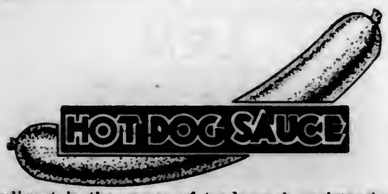
SKIM MILK POWDER

The words "Brand" and "Skim Milk Powder" are disclaimed.

For Skim Milk Powder.

Claims use since Nov. 1, 1935.

Ser. No. 398,140. LLOYD E. RICHARDSON, doing business as Sun-Ra Products Co., St. Joseph, Mo. Filed Oct. 4, 1937.



Applicant is the owner of trade-mark registration No. 217,894. No claim is made to the word "Sauce" apart from the mark.

For Mustard and Pickle Sauce.

Claims use since June 16, 1925.

Ser. No. 402,188. HUNTER PACKING COMPANY, East St. Louis, Ill. Filed Jan. 21, 1938.

Thrifty

For Dog Food, Potted Meats, and Vienna Sausage.

Claims use since October, 1936.

Ser. No. 403,254. FRED GLASER, doing business as Glaser's Provisions, Omaha, Nebr. Filed Feb. 21, 1938.

Glaser's



No claim is made to the words "Missouri Valley" and "Brand" apart from the mark.

For Meats, Particularly Boiled Ham, Sausages, and Meat Loaves.

Claims use since Dec. 1, 1937.

Ser. No. 403,822. CURT MICHAELIS, Jersey City, N. J. Filed Mar. 8, 1938.

PANTEX

For Shortening in Solid Form and of Vegetable Origin, for Use in Cooking and Baking, as in the Preparation of Cake Icings.

Claims use since Jan. 15, 1935.

Ser. No. 404,532. KEMCO PRODUCTS COMPANY, Kokomo, Ind. Filed Mar. 26, 1938.

THREE BEARS

For Canned Fruit Juices for Food Purposes and Canned Soups—Namely, Vegetable Porridges.

Claims use since Dec. 21, 1937.

Ser. No. 407,877. MERKEL INC., New York, N. Y. Filed June 24, 1938.

TENDER TREAT

Applicant disclaims the word "Tender" apart from the mark.

For Meats, and More Particularly Boneless Ham, Shoulders, and Picnics.

Claims use since May 23, 1938.

Ser. No. 408,183. THOMAS BARABASH, doing business as Kashaala King Food Products Company, Chicago, Ill. Filed July 5, 1938.

Kasha ala King



For Cereal Breakfast Food Made From Grain, Such as Buckwheat, Barley, Rice, and Millet.

Claims use since June 15, 1938.

Ser. No. 408,260. THE BORDEN COMPANY, New York, N. Y. Filed July 7, 1938.

BON-TON

Applicant is the owner of trade-mark registration No. 43,943.

For Cheese.

Claims use since Sept. 1, 1903.

Ser. No. 408,610. LOMA LINDA FOOD COMPANY, Loma Linda, Calif. Filed July 18, 1938.

OVENSWEET

For Cereal Breakfast Food.

Claims use since May 10, 1938.

Ser. No. 409,042. GEORGE H. KMETZ, doing business as Carnation Bakery and Carnation Pastry Shoppe, East Chicago, Ind. Filed July 29, 1938.



For Bread—Namely, White, Rye, Whole Wheat, Butter and Egg; Sweet and Plain Rolls, Butter Rolls, Assorted Bread in Packages; Doughnuts, Plain and Raised; Cake—Namely, Pound, Layer, Loaf, Sponge; Danish Coffee Cake, Sweet Dough Coffee Cake, Cookies of All Kinds, French and American Pastries; Popcorn Confection—Namely, Caramel Coated Popcorn and Salted Buttered Popcorn; Candy, and Ice Cream.

Claims use since June 15, 1938.

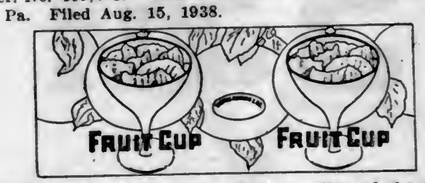
Ser. No. 409,487. PENICK & FORD, LTD. INCORPORATED, New York, N. Y. Filed Aug. 11, 1938.

PENFORD

For Corn Syrup and Crystal Corn Sugar, and Compound of Molasses and Syrup.

Claims use since Mar. 1, 1910, on compounds of molasses; since Apr. 20, 1921, on corn syrup; since Feb. 4, 1925, on crystal sugar.

Ser. No. 409,623. THOMAS ROBERTS & CO., Philadelphia, Pa. Filed Aug. 15, 1938.



The words "Fruit Cup" and the outline of the label with the fruit thereon are disclaimed apart from the mark.

For Canned Grapefruit.

Claims use since Jan. 26, 1937.

Ser. No. 409,922. IRWIN R. JERMYN, Asheville, N. C. Filed Aug. 24, 1938.

RAYSTELLIO'S

For Spaghetti Sauce.

Claims use since Aug. 22, 1938.

Ser. No. 409,935. PENICK & FORD, LTD. INCORPORATED, New York, N. Y. Filed Aug. 24, 1938.

KING-KOMUS

For Table Syrup.

Claims use since January, 1915.

Ser. No. 409,937. PENICK & FORD, LTD. INCORPORATED, New York, N. Y. Filed Aug. 24, 1938.



For Table Syrups and Molasses.

Claims use since Jan. 2, 1907.

Ser. No. 410,246. PAUL F. BEICH COMPANY, Bloomington, Ill. Filed Sept. 3, 1938.

JITTERBUG

For Candy.

Claims use since June 24, 1938.

Ser. No. 410,252. CHITTENDEN, TURNER & COMPANY, INC., Boston, Mass. Filed Sept. 3, 1938.

ALGAGELL

For Preparations Made from Marine or Fresh Water Vegetable Growths, in Powder or Flake Form, for Use as a Colloidal Thickener or Stabilizer in Food Products Such as Ice Cream or Other Desserts, Dairy or Bakery Products, Food Beverages, or the Like.

Claims use since Dec. 28, 1937.

Ser. No. 410,320. THE WEST INDIAN PRODUCE ASSOCIATION, LIMITED, London, England. Filed Sept. 6, 1938.

BAWSTONABA

For Tea.

Claims use since Mar. 18, 1938.

Ser. No. 410,346. UNITED PURE FOOD CO., New York, N. Y. Filed Sept. 7, 1938.

KING MINOS

For Canned Vegetables, Dried Vegetables, Canned Fruits, Dried Fruits, Canned Fish, Salad Oil, Olive Oil, Olives, Fruit Juices for Food Purposes, and Cheese.

Claims use since July 18, 1938.

Ser. No. 410,471. McDERMONT FRUIT COMPANY, Riverside, Calif. Filed Sept. 12, 1938.

BLUE CIRCLE

For Fresh Citrus Fruit.
Claims use since Feb. 15, 1914.

Ser. No. 410,472. McDERMONT FRUIT COMPANY, Riverside, Calif. Filed Sept. 12, 1938.

RED CIRCLE

For Fresh Citrus Fruit.
Claims use since Oct. 4, 1915.

Ser. No. 410,489. MARY TACHIBANA, doing business as Rancho Aliso, Oceanside, Calif. Filed Sept. 12, 1938.

Santa Margarita

For Fresh Tomatoes, Bell Peppers, Chili Peppers, Pole Beans, Pole Peas, Squash, and Celery.
Claims use since July 1, 1938.

Ser. No. 410,517. LESTER S. OLSEN, doing business as The Milcola Co., Milwaukee, Wis. Filed Sept. 13, 1938.

Milcola

For Dairy Drink Having a Flavored Milk as Its Base.
Claims use since Sept. 1, 1938.

Ser. No. 410,580. FRANCESCO CAPPELLINO & SONS, Rochester, N. Y. Filed Sept. 15, 1938.



For Salad Oil.
Claims use since 1915.

Ser. No. 410,946. BUNTE BROTHERS, Chicago, Ill. Filed Sept. 24, 1938.

BLIZZARD

For Candy.
Claims use since May 1, 1931.

Ser. No. 411,008. RICH PRODUCTS CORPORATION, Rockford, Ill. Filed Sept. 26, 1938.

ACO

For Canned Corned Beef.
Claims use since July 13, 1938.

Ser. No. 411,009. SAN CARLOS CANNING COMPANY, Long Beach, Calif. Filed Sept. 26, 1938.

BlueShore

For Canned Fish.
Claims use since Sept. 16, 1938.

Ser. No. 411,082. BRIGHT BISCUIT COMPANY, INC., Kansas City, Kans. Filed Sept. 29, 1938.

Sail

For Soda Crackers.
Claims use since June 1, 1938.

Ser. No. 411,084. CAROLINA COFFEE COMPANY, Charleston, S. C. Filed Sept. 29, 1938.

FORT SUMTER

For Coffee.
Claims use since Sept. 10, 1938.

CLASS 47

Wines

Ser. No. 409,540. MUNSON G. SHAW CO. INC., New York, N. Y. Filed Aug. 12, 1938.

ALDOURO

For Wines.
Claims use since July 9, 1938.

CLASS 48

Malt Beverages and Liquors

Ser. No. 400,832. DIAMOND STATE BREWERY, INC., Wilmington, Del. Filed Dec. 14, 1937.



No claim is made to the notation "Diamond State" apart from the mark.
For Beer.
Claims use since Aug. 15, 1936.

Ser. No. 402,610. TERRE HAUTE BREWING COMPANY, INC., Terre Haute, Ind. Filed Feb. 2, 1938.



For Beer.
Claims use since Mar. 17, 1934.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 410,164. JAS. BARCLAY & CO., LIMITED, Detroit, Mich., and Peoria, Ill. Filed Sept. 1, 1938.

Barclay's
LEADER

The surname "Barclay's" is disclaimed apart from the mark.
For Whiskey.
Claims use since Aug. 13, 1938.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 407,951. OSCAR J. LAMBIOTTE, Mishawaka, Ind. Filed June 27, 1938.

TREASURE TOKEN

The word "Token" is disclaimed apart from the mark.
For Tokens for Use in Connection with a Business Stimulating System.
Claims use since July 1, 1937.

Ser. No. 408,766. IDA M. SINCLAIR, doing business as Blue Ribbon Flower Holder Company, Cuyahoga Falls, Ohio. Filed July 21, 1938.

Blue Ribbon

For Flower Holders Made of Metal.
Claims use since Feb. 22, 1936.

Ser. No. 408,879. FABRIC PRODUCTS MANUFACTURING CO., Chicago, Ill. Filed July 25, 1938.

FRIGERETTES

For Covers for Bowls, Bottles, Toasters, Jars, Mixing Bowls, Platters, Coffee Makers, Food Mixers Made of Oiled Silk.
Claims use since Jan. 1, 1938.

Ser. No. 409,698. THE REVLON NAIL ENAMEL CORPORATION, New York, N. Y. Filed Aug. 17, 1938.

BARONESS

For Fitted Cases Containing Nail Polish Preparations, Scissors, Orange Sticks, Nail Files, and Other Like Articles.
Claims use since July 19, 1938.

Ser. No. 409,699. THE REVLON NAIL ENAMEL CORPORATION, New York, N. Y. Filed Aug. 17, 1938.

COUNTESS

For Fitted Cases Containing Nail Polish Preparations, Scissors, Orange Sticks, Nail Files, and Other Like Articles.
Claims use since July 19, 1938.

Ser. No. 409,700. THE REVLON NAIL ENAMEL CORPORATION, New York, N. Y. Filed Aug. 17, 1938.

DUCHESS

For Fitted Cases Containing Nail Polish Preparations, Scissors, Orange Sticks, Nail Files, and Other Like Articles.
Claims use since July 19, 1938.

Ser. No. 409,701. THE REVLON NAIL ENAMEL CORPORATION, New York, N. Y. Filed Aug. 17, 1938.

HIGHNESS

For Fitted Cases Containing Nail Polish Preparations, Scissors, Orange Sticks, Nail Files, and Other Like Articles.

Claims use since July 19, 1938.

Ser. No. 409,702. THE REVLON NAIL ENAMEL CORPORATION, New York, N. Y. Filed Aug. 17, 1938.

IMPERIAL LADY

For Fitted Cases Containing Nail Polish Preparations, Scissors, Orange Sticks, Nail Files, and Other Like Articles.

Claims use since July 19, 1938.

Ser. No. 409,703. THE REVLON NAIL ENAMEL CORPORATION, New York, N. Y. Filed Aug. 17, 1938.

LADY DIADEM

For Fitted Cases Containing Nail Polish Preparations, Scissors, Orange Sticks, Nail Files, and Other Like Articles.

Claims use since July 19, 1938.

Ser. No. 409,704. THE REVLON NAIL ENAMEL CORPORATION, New York, N. Y. Filed Aug. 17, 1938.

LADYSHIP

For Fitted Cases Containing Nail Polish Preparations, Scissors, Orange Sticks, Nail Files, and Other Like Articles.

Claims use since July 19, 1938.

Ser. No. 409,705. THE REVLON NAIL ENAMEL CORPORATION, New York, N. Y. Filed Aug. 17, 1938.

ROYAL HIGHNESS

For Fitted Cases Containing Nail Polish Preparations, Scissors, Orange Sticks, Nail Files, and Other Like Articles.

Claims use since July 19, 1938.

Ser. No. 409,706. THE REVLON NAIL ENAMEL CORPORATION, New York, N. Y. Filed Aug. 17, 1938.

VISCOUNTESS

For Fitted Cases Containing Nail Polish Preparations, Scissors, Orange Sticks, Nail Files, and Other Like Articles.

Claims use since July 19, 1938.

Ser. No. 410,175. ELECTRO-TECHNICAL PRODUCTS, INC., Nutley, N. J. Filed Sept. 1, 1938.

MERITONE

For Oiled Silk for Shower Bath and Window Curtains.

Claims use since June 1, 1938.

Ser. No. 410,176. ELECTRO-TECHNICAL PRODUCTS, INC., Nutley, N. J. Filed Sept. 1, 1938.

MERITONE

For Oiled Silk for Shower Bath and Window Curtains.

Claims use since June 1, 1938.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

NOVEMBER 15, 1938

362,108. CANNED FOODS—NAMELY, STRAINED FRUITS, STRAINED VEGETABLES, SOUPS, AND A CEREAL PREPARATION FOR INFANTS OR INVALIDS OR FOR USE AS A BREAKFAST FOOD. FREMONT CANNING COMPANY, doing business as Gerber Products Company, Fremont, Mich.

Filed July 25, 1934. Serial No. 354,288. PUBLISHED SEPTEMBER 6, 1938. Class 46.

362,109. DYES AND BLEACHING MATERIALS. PYLAM PRODUCTS COMPANY, INC., New York, N. Y.

Filed April 29, 1935. Serial No. 364,357. PUBLISHED AUGUST 30, 1938. Class 6.

362,110. BREAD, ESPECIALLY CLAP-BREAD (CRISP-BREAD). EMIL NORDBY, Hamar, Norway.

Filed February 21, 1936. Serial No. 375,093. PUBLISHED MARCH 8, 1938. Class 46.

362,111. COIN-OPERATED PHOTOGRAPHIC MACHINES. INTERNATIONAL MUTOSCOPE REEL CO. INC., New York, N. Y.

Filed February 29, 1936. Serial No. 375,391. PUBLISHED SEPTEMBER 6, 1938. Class 26.

362,112. LIQUID USED IN THE TREATMENT OF ARTHRITIS, RHEUMATISM, AND MUSCULAR ACHES AND PAINS. REUBEN KUMPULA, Minneapolis, Minn.

Filed March 23, 1936. Serial No. 376,285. PUBLISHED SEPTEMBER 6, 1938. Class 6.

362,113. PNEUMATIC TIRES. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio.

Filed May 26, 1936. Serial No. 378,886. PUBLISHED SEPTEMBER 6, 1938. Class 35.

362,114. KNITTING YARNS. THE MONARCH KNITTING CO., LIMITED, Dunnville, Ontario, Canada.

Filed October 1, 1936. Serial No. 383,848. PUBLISHED AUGUST 23, 1938. Class 43.

362,115. SHOES, PARTICULARLY FOR LADIES' AND MISSES' SHOES MADE OF LEATHER OR FABRIC OR COMBINATIONS OF THE SAME. WOHL SHOE COMPANY, St. Louis, Mo.

Filed November 10, 1936. Serial No. 385,371. PUBLISHED AUGUST 23, 1938. Class 39.

362,116. COATS, PANTS, VESTS, AND SUITS FOR MEN, PARTICULARLY FOR FORMAL WEAR. S. RUDOFKER'S SONS, Philadelphia, Pa.

Filed April 9, 1937. Serial No. 391,149. PUBLISHED AUGUST 30, 1938. Class 39.

362,117. MOTOR LUBRICATING OILS AND GREASES. COLUMBIA REFINING COMPANY, Long Island City, N. Y.

Filed April 23, 1937. Serial No. 391,746. PUBLISHED SEPTEMBER 6, 1938. Class 15.

362,118. THERAPEUTIC PREPARATION CONSISTING OF ESSENTIAL MINERALS FOR USE IN THE FEEDING OF ANIMALS, BIRDS, FOWLS, AND HUMANS WHERE THERE IS AN INSUFFICIENCY THEREOF. TIOGA MILLS, INC., Waverly, N. Y.

Filed April 30, 1937. Serial No. 392,114. PUBLISHED AUGUST 30, 1938. Class 6.

362,119. FOOD COMPRISING A DRIED MEAL CONCENTRATE OF GROUND VEGETABLES. DAVID E. WARNER, Storrs, Conn.

Filed June 10, 1937. Serial No. 393,924. PUBLISHED SEPTEMBER 6, 1938. Class 46.

362,120. METAL SHEETS AND METAL FOILS HAVING REFLECTING SURFACES PRODUCED BY SPECIAL PROCESS AND ADAPTED FOR USE IN REFLECTING DEVICES, AS REFLECTING SIGNS, INDICATORS, ADVERTISING BACKGROUNDS, AND THE LIKE. ARCTURUS RADIO TUBE COMPANY, Newark, N. J.

Filed June 16, 1937. Serial No. 394,117. PUBLISHED AUGUST 30, 1938. Class 14.

362,121. MEN'S, WOMEN'S AND CHILDREN'S SHOES, MADE OF LEATHER, CANVAS, FABRIC, OR COMPOSITIONS OR COMBINATIONS THEREOF. METROPOLITAN SHOEMAKERS, INC., Chicago, Ill.

Filed June 21, 1937. Serial No. 394,340. PUBLISHED AUGUST 9, 1938. Class 39.

362,122. OVERCOATS AND TOP COATS FOR MEN AND YOUNG MEN. SEARS, ROEBUCK AND CO., Chicago, Ill.

Filed July 2, 1937. Serial No. 394,807. PUBLISHED SEPTEMBER 6, 1938. Class 39.

362,123. HOUSEHOLD FURNITURE, ESPECIALLY UNPAINTED FURNITURE—NAMELY, THE FOLLOWING, DINING TABLES, DINING CHAIRS, HIGH CHAIRS, KITCHEN STOOLS, BEDS, DRESSERS, CHIFFONIERS, CHIFFOROBES, CHESTS, BOOKCASES, FOLDING SCREENS, BROOM CLOSETS, ETC. SEARS, ROEBUCK AND CO., Chicago, Ill.

Filed July 2, 1937. Serial No. 394,809. PUBLISHED AUGUST 30, 1938. Class 32.

362,124. PIG AND HOG FEED. COSBY-HODGES MILLING CO. INC., Birmingham, Ala.

Filed July 12, 1937. Serial No. 395,109. PUBLISHED AUGUST 30, 1938. Class 46.

362,125. GIRDLES, CORSELETTES, BRASSIÈRES, AND BANDEAUX. MAIDWELL BRASSIERE & CORSET CO., New York, N. Y.

Filed August 20, 1937. Serial No. 396,605. PUBLISHED AUGUST 23, 1938. Class 39.

362,126. WINES. PETRI CIGAR CO., also doing business as Petri Wine Company, San Francisco, Calif., assignor to Western States Grocery Company, Oakland, Calif., a corporation of Nevada.

Filed August 13, 1937. Serial No. 396,370. PUBLISHED SEPTEMBER 6, 1938. Class 47.

362,127. WOMEN'S APRONS. REGAL PAPER CO., INC., Pulaski, N. Y.

Filed August 12, 1937. Serial No. 396,337. PUBLISHED SEPTEMBER 6, 1938. Class 39.

362,128. SHAMPOO, BATH AND FACIAL PREPARATION. PAUL G. BRUMBACK, doing business as Cleanse-All Products Co., New York, N. Y. and Kansas City, Mo.

Filed August 26, 1937. Serial No. 396,760. PUBLISHED SEPTEMBER 6, 1938. Class 6.

362,129. CANDY. SCHUTTER CANDY COMPANY, Chicago, Ill.

Filed September 7, 1937. Serial No. 397,198. PUBLISHED SEPTEMBER 6, 1938. Class 46.

362,130. LIQUEUR. C. HOLMGAARD, Elsinore, Denmark, and London, England.

Filed September 14, 1937. Serial No. 397,407. PUBLISHED SEPTEMBER 6, 1938. Class 49.

362,131. MEN'S AND BOYS' SUITS, OVERCOATS, AND TOPCOATS. B. GERTZ, INC., Jamaica, N. Y.

Filed September 28, 1937. Serial No. 397,903. PUBLISHED AUGUST 30, 1938. Class 39.

362,132. CHROME PLATED ALUMINUM COOKING HOLLOW-WARE. KROME-ALUME, INC., Lockport, N. Y.
Filed October 1, 1937. Serial No. 398,074. PUBLISHED SEPTEMBER 6, 1938. Class 13.

362,133. WEDDING RINGS, FINGER RINGS OF ALL KINDS, AND JEWELRY FOR PERSONAL ADORNMENT AS WELL AS FOR UTILITY PURPOSES NOT INCLUDING WATCHES, ETC. BICK & OSTOS COMPANY LIMITED, Montreal, Quebec, Canada.
Filed October 4, 1937. Serial No. 398,086. PUBLISHED JUNE 7, 1938. Class 28.

362,134. COATS AND TOP COATS FOR MEN, WOMEN, AND CHILDREN; JACKETS FOR MEN, WOMEN, AND CHILDREN; SKIRTS FOR OUTER WEAR FOR WOMEN AND CHILDREN; HATS AND CAPS FOR MEN, WOMEN, AND CHILDREN. BURBERRYS LIMITED, London, England.
Filed October 14, 1937. Serial No. 398,456. PUBLISHED SEPTEMBER 6, 1938. Class 39.

362,135. COATS AND TOP COATS FOR MEN, WOMEN, AND CHILDREN; JACKETS FOR MEN, WOMEN, AND CHILDREN; SKIRTS FOR OUTER WEAR FOR WOMEN AND CHILDREN; HATS AND CAPS FOR MEN, WOMEN, AND CHILDREN. BURBERRYS LIMITED, London, England.
Filed October 14, 1937. Serial No. 398,458. PUBLISHED SEPTEMBER 6, 1938. Class 39.

362,136. REAMERS, PISTONS, PISTON PINS, VALVE GRINDERS, REAMER DRIVE MACHINES, RIDGE REAMERS; AXLE, WHEEL, AND BEARING PULLERS; PISTON PIN REMOVERS, REAMER AND BUSHING DRIVERS, AND VALVE RESEATING TOOLS. L. O. BEARD TOOL COMPANY, Lancaster, Pa.
Filed October 18, 1937. Serial No. 398,605. PUBLISHED SEPTEMBER 6, 1938. Class 23.

362,137. NORMAL AND PROFILED CERAMIC BRICKS AND TILES. CERAMICHE PICCINELLI S. A., Mozzate, Italy.
Filed October 26, 1937. Serial No. 398,981. PUBLISHED AUGUST 16, 1938. Class 12.

362,138. WALL AND FLOOR TILES. CERAMICHE PICCINELLI S. A., Mozzate, Italy.
Filed October 26, 1937. Serial No. 398,982. PUBLISHED AUGUST 16, 1938. Class 12.

362,139. LADIES' AND MISSES' SHOES MADE OF LEATHER, CANVAS, FABRIC, OR COMPOSITIONS OR COMBINATIONS THEREOF. H. O. RONDEAU SHOE CO., INC., Farmington, N. H.
Filed October 30, 1937. Serial No. 399,153. PUBLISHED AUGUST 23, 1938. Class 39.

362,140. SHOES AND SLIPPERS OF LEATHER, FABRIC, OR COMBINATIONS THEREOF. SEL-RITE SHOE CO., Marblehead, Mass.
Filed November 5, 1937. Serial No. 399,376. PUBLISHED APRIL 19, 1938. Class 39.

362,141. SHOE LACES. HUGHES FAWCETT, INC., New York, N. Y.
Filed November 10, 1937. Serial No. 399,560. PUBLISHED AUGUST 30, 1938. Class 40.

362,142. WINES. FEDERAL WINE & LIQUOR CO., Jersey City, N. J.
Filed November 12, 1937. Serial No. 399,653. PUBLISHED SEPTEMBER 6, 1938. Class 47.

362,143. CANNED HAM AND CANNED PICNIC HAMS. OSKAR ROBINSON, Warsaw, Poland.
Filed November 13, 1937. Serial No. 399,727. PUBLISHED SEPTEMBER 6, 1938. Class 46.

362,144. LADIES' UNDERWEAR AND SLIPS. TRIANGLE UNDERWEAR CORPORATION, New York, N. Y.
Filed November 15, 1937. Serial No. 399,784. PUBLISHED SEPTEMBER 6, 1938. Class 39.

362,145. SHOES MADE OF LEATHER AND FABRIC, AND COMBINATIONS THEREOF. S. WATERBURY & SON COMPANY, INC., Brooklyn, N. Y.
Filed November 19, 1937. Serial No. 399,947. PUBLISHED MARCH 15, 1938. Class 39.

362,146. TELEPHONE SETS AND IMPULSE SENDERS THEREFOR, FOR USE IN THE ELECTRICAL ARTS. AUTOMATIC ELECTRIC COMPANY, Chicago, Ill.
Filed November 22, 1937. Serial No. 399,990. PUBLISHED SEPTEMBER 6, 1938. Class 21.

362,147. TELEPHONE SETS AND IMPULSE SENDERS THEREFOR, FOR USE IN THE ELECTRICAL ARTS. AUTOMATIC ELECTRIC COMPANY, Chicago, Ill.
Filed November 22, 1937. Serial No. 399,991. PUBLISHED SEPTEMBER 6, 1938. Class 21.

362,148. TELEPHONE SETS AND IMPULSE SENDERS THEREFOR, FOR USE IN THE ELECTRICAL ARTS. AUTOMATIC ELECTRIC COMPANY, Chicago, Ill.
Filed November 22, 1937. Serial No. 399,992. PUBLISHED SEPTEMBER 6, 1938. Class 21.

362,149. FEED FOR CATTLE, SHEEP, HOGS, POULTRY, AND DOGS OR OTHER FARM AND DOMESTIC AND CARNIVOROUS ANIMALS OR CIRCUS AND ZOO ANIMALS AND THE LIKE. THE GLIDDEN COMPANY, Cleveland, Ohio.
Filed November 22, 1937. Serial No. 400,003. PUBLISHED SEPTEMBER 6, 1938. Class 46.

362,150. MILK BOTTLE CAPS. AMERICAN SEAL-KAP CORPORATION OF DELAWARE, Long Island City, N. Y.
Filed November 24, 1937. Serial No. 400,079. PUBLISHED SEPTEMBER 6, 1938. Class 50.

362,151. CHILDREN'S SHOES OF LEATHER, FABRIC, AND RUBBER, AND COMBINATIONS THEREOF. M. H. BACHMAN SHOE CO., INC., Middletown, Pa.
Filed November 26, 1937. Serial No. 400,152. PUBLISHED JANUARY 25, 1938. Class 39.

362,152. CANNED FRUITS. HEARST SUNICAL LAND AND PACKING CORPORATION, San Francisco, Calif.
Filed December 3, 1937. Serial No. 400,399. PUBLISHED SEPTEMBER 6, 1938. Class 46.

362,153. CIGARETTES. OSCAR SCHWARZ, Chicago, Ill.
Filed December 6, 1937. Serial No. 400,532. PUBLISHED SEPTEMBER 6, 1938. Class 17.

362,154. LIQUID PREPARATION FOR SURFACING, DRESSING, POLISHING, AND FINISHING FLOORS AND LINOLEUM, LIQUID WAX FOR USE ON FLOORS, AND PAINT REMOVERS. AMERICAN DISINFECTING CO., INC., Sedalia, Mo.
Filed December 10, 1937. Serial No. 400,675. PUBLISHED SEPTEMBER 6, 1938. Class 16.

362,155. PIN HOLDING DEVICE IN THE NATURE OF WRIST MAGNETS. ALFRED POSNER, Dorchester, Mass.
Filed December 13, 1937. Serial No. 400,791. PUBLISHED AUGUST 23, 1938. Class 40.

362,156. CHILDREN'S SHOES CONSTRUCTED OF LEATHER. GOLDBLATT BROS. INC., Chicago, Ill.
Filed December 17, 1937. Serial No. 400,967. PUBLISHED AUGUST 23, 1938. Class 39.

362,157. MEN'S NECKTIES. WILSON BROTHERS, Chicago, Ill.
Filed December 18, 1937. Serial No. 401,039. PUBLISHED AUGUST 30, 1938. Class 39.

362,158. MEN'S NECKTIES. WILSON BROTHERS, Chicago, Ill.
Filed December 18, 1937. Serial No. 401,040. PUBLISHED AUGUST 30, 1938. Class 39.

362,159. MEN'S NECKTIES. WILSON BROTHERS, Chicago, Ill.
Filed December 18, 1937. Serial No. 401,041. PUBLISHED AUGUST 30, 1938. Class 39.

362,160. MEN'S NECKTIES. WILSON BROTHERS, Chicago, Ill.
Filed December 18, 1937. Serial No. 401,042. PUBLISHED AUGUST 30, 1938. Class 39.

362,161. MEN'S NECKTIES. WILSON BROTHERS, Chicago, Ill.
Filed December 18, 1937. Serial No. 401,043. PUBLISHED AUGUST 30, 1938. Class 39.

362,162. COTTON WEARING APPAREL FOR MEN, WOMEN, BOYS, AND GIRLS—NAMELY, HATS, CAPS, HOSIERY, KNICKERS, OUTER SHIRTS, UNDERSHIRTS, ETC. WAGNER & SÖHNE, Naunhof, near Leipzig, Germany.
Filed December 27, 1937. Serial No. 401,248. PUBLISHED AUGUST 23, 1938. Class 39.

362,163. GASOLINE. J. COHEN & SON, Peoria, Ill.
Filed December 29, 1937. Serial No. 401,333. PUBLISHED AUGUST 30, 1938. Class 15.

362,164. FACE POWDER. BOURJOIS, INC., New York, N. Y.
Filed January 17, 1938. Serial No. 401,980. PUBLISHED AUGUST 30, 1938. Class 6.

362,165. MISSES' AND CHILDREN'S HATS. BETTY-ANN HATS, INC., New York, N. Y.
Filed January 19, 1938. Serial No. 402,084. PUBLISHED AUGUST 2, 1938. Class 39.

362,166. METHYL CELLULOSE. THE DOW CHEMICAL COMPANY, Midland, Mich.
Filed January 19, 1938. Serial No. 402,088. PUBLISHED AUGUST 30, 1938. Class 6.

362,167. CELERY SEASONING, CANNED VEGETABLE JUICES, AND CANNED FRUIT JUICES FOR FOOD PURPOSES. LINDSAY-NILE PRODUCTS, INC., Mission, Tex.
Filed January 21, 1938. Serial No. 402,192. PUBLISHED SEPTEMBER 6, 1938. Class 46.

362,168. ALLOYS CONTAINING NICKEL IN THE FORM OF SHOT, PELLETS, BLOCKS, OR PIGS. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y.
Filed January 22, 1938. Serial No. 402,223. PUBLISHED SEPTEMBER 6, 1938. Class 14.

362,169. LAVENDER WATER, BATH SALTS, AND TOILET POWDER. THE ERASMIC COMPANY, LIMITED, Warrington, England.
Filed January 24, 1938. Serial No. 402,254. PUBLISHED AUGUST 9, 1938. Class 6.

362,170. LADIES' AND MISSES' HATS, SHOES MADE OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF; GLOVES MADE OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF, ETC. JAY-THORPE, INC., New York, N. Y.
Filed January 25, 1938. Serial No. 402,299. PUBLISHED AUGUST 2, 1938. Class 39.

362,171. MEN'S OVERCOATS, TOPCOATS, AND SUITS, CONSISTING OF COATS, TROUSERS, AND VESTS. THE JOHN SHILLITO COMPANY, Cincinnati, Ohio.
Filed January 25, 1938. Serial No. 402,316. PUBLISHED AUGUST 23, 1938. Class 39.

362,172. CHEMICAL CLEANERS FOR CLEANING WINDSHIELDS AND OTHER GLASS SURFACES ADAPTED PARTICULARLY FOR APPLICATION THEREON BY HAND, USING THE CONTAINER AS AN APPLICATOR. THE ANDERSON COMPANY, Gary, Ind.
Filed January 29, 1938. Serial No. 402,458. PUBLISHED SEPTEMBER 6, 1938. Class 4.

362,173. VEHICLE GLARE SHIELDS AND GLARE REDUCERS. THE ANDERSON COMPANY, Gary, Ind.
Filed January 29, 1938. Serial No. 402,460. PUBLISHED SEPTEMBER 6, 1938. Class 19.

362,174. WATERPROOFING OR PRESERVATIVE COMPOUND HAVING A COMBINATION OF INDUSTRIAL USES. FIBA-SEAL CHEMICALS, INC., Hoboken, N. J.
Filed January 29, 1938. Serial No. 402,496. PUBLISHED AUGUST 30, 1938. Class 6.

362,175. WATER-PROOFING PREPARATION OTHER THAN A PAINT, APPLIED TO WOOD, BRICK, STUCCO, FIBERBOARD, PLASTER, CONCRETE, METAL, AND OTHER KINDRED PRODUCTS THEREOF. FIBA-SEAL CHEMICALS, INC., Hoboken, N. J.
Filed January 29, 1938. Serial No. 402,497. PUBLISHED SEPTEMBER 6, 1938. Class 12.

362,176. WATER-PROOFING PREPARATION APPLIED TO SILK, CANVAS, COTTONS, RAYONS, CELLULOSE FABRICS, AND OTHER KINDRED PRODUCTS THEREOF. FIBA-SEAL CHEMICALS, INC., Hoboken, N. J.
Filed January 29, 1938. Serial No. 402,498. PUBLISHED AUGUST 30, 1938. Class 6.

362,177. MEN'S, WOMEN'S, AND CHILDREN'S SHOES MADE OF LEATHER, FABRIC, RUBBER, OR ANY COMBINATION OF ONE OR MORE OF SAID MATERIALS. CORT SHOES, INC., Cleveland, Ohio.
Filed February 3, 1938. Serial No. 402,667. PUBLISHED AUGUST 9, 1938. Class 39.

362,178. THREAD AND YARN OF ARTIFICIAL ORIGIN. AMERICAN BEMBERG CORPORATION, New York, N. Y.
Filed February 4, 1938. Serial No. 402,669. PUBLISHED AUGUST 30, 1938. Class 43.

362,179. THREAD AND YARN OF ARTIFICIAL ORIGIN. AMERICAN BEMBERG CORPORATION, New York, N. Y.
Filed February 4, 1938. Serial No. 402,670. PUBLISHED AUGUST 30, 1938. Class 43.

362,180. THREAD AND YARN OF ARTIFICIAL ORIGIN. AMERICAN BEMBERG CORPORATION, New York, N. Y.
Filed February 4, 1938. Serial No. 402,671. PUBLISHED AUGUST 30, 1938. Class 43.

362,181. HOSIERY. LE ROI HOSIERY CO., INC., New York, N. Y.
Filed February 4, 1938. Serial No. 402,685. PUBLISHED AUGUST 30, 1938. Class 39.

362,182. TOILET BOWL DEODORANT. MASTER BRANDS, INC., doing business as The Zoro Company, Chicago, Ill.
Filed February 5, 1938. Serial No. 402,733. PUBLISHED AUGUST 30, 1938. Class 6.

362,183. ARTICLES OF APPAREL FOR WOMEN, MISSES, AND CHILDREN—TO WIT, STREET DRESSES AND COATS, SPORT DRESSES AND COATS, FORMAL DRESSES, ETC. SIEGEL-LYTTLE, INC., New York, N. Y.
Filed February 11, 1938. Serial No. 402,954. PUBLISHED AUGUST 23, 1938. Class 39.

362,184. MIXED FEEDS FOR POULTRY, ETC., THE PRECISE COMPOSITION OF WHICH IS CHANGED FROM TIME TO TIME BUT WHICH INCLUDES ONE OR MORE OF THE FOLLOWING FOOD PRODUCTS—RICE POLISH, WHEAT GREY SHORTS, RICE BRAN, BREWERS' RICE, AND RICE HULLS, MIXED WITH MOLASSES. EL CAMPO RICE MILLING COMPANY, El Campo, Tex.
Filed February 12, 1938. Serial No. 402,967. PUBLISHED SEPTEMBER 6, 1938. Class 46.

362,185. MAGAZINE PUBLISHED MONTHLY. HEARST MAGAZINES INC., New York, N. Y., assignor to F. W. Dodge Corporation, a corporation of New York.
Filed February 15, 1938. Serial No. 403,042. PUBLISHED SEPTEMBER 6, 1938. Class 38.

362,186. PORTLAND CEMENT. LOUISVILLE CEMENT COMPANY, Louisville, Ky.
Filed February 19, 1938. Serial No. 403,214. PUBLISHED AUGUST 30, 1938. Class 12.

362,187. RADIO RECEIVERS. PILOT RADIO CORPORATION, Long Island City, N. Y.
Filed February 23, 1938. Serial No. 403,328. PUBLISHED SEPTEMBER 6, 1938. Class 21.

362,188. EAR MEDICATION PREPARATION. ROCHE, RENAUD PHARMACEUTICAL COMPANY, INC., Fairhaven, Mass.
Filed February 23, 1938. Serial No. 403,330. PUBLISHED AUGUST 30, 1938. Class 6.

362,189. IODINE, MILK OF MAGNESIA, SPIRITS OF CAMPHOR, OIL OF WINTERGREEN, GLYCERIN AND ROSE WATER, GLYCERIN, ASPIRIN, RUBBING ALCOHOL, WITCH HAZEL, ETC. FORD HOPKINS CO., Chicago, Ill.
Filed March 2, 1938. Serial No. 403,586. PUBLISHED SEPTEMBER 6, 1938. Class 6.

362,190. WHISKEY. LONDON & CO., INC., Elizabeth, N. J.
Filed March 2, 1938. Serial No. 403,595. PUBLISHED AUGUST 30, 1938. Class 49.

362,191. MEN'S, WOMEN'S, AND CHILDREN'S SHOES, SLIPPERS, AND SANDALS MADE OF LEATHER, IMITATION LEATHER, RUBBER, FABRIC, AND COMBINATIONS OF SAID MATERIALS. M. J. SAKS SHOE CORP., New York, N. Y.
Filed March 3, 1938. Serial No. 403,661. PUBLISHED AUGUST 23, 1938. Class 39.

362,192. WOMEN'S SHOES MADE OF LEATHER AND FABRIC AND OF COMBINATIONS THEREOF. CRADDOCK TERRY COMPANY, Lynchburg, Va.
Filed March 7, 1938. Serial No. 403,757. PUBLISHED AUGUST 9, 1938. Class 39.

362,193. WOMEN'S SLIPS. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash.
Filed March 10, 1938. Serial No. 403,889. PUBLISHED AUGUST 30, 1938. Class 39.

362,194. BOOKS, LETTERS, AND CIRCULARS CONTAINING ADVERTISING MATTER AND THE LIKE, SOLD AS SUCH TO THE TRADE. EDWARD B. GALLOWAY, Oklahoma City, Okla.
Filed March 14, 1938. Serial No. 404,040. PUBLISHED SEPTEMBER 6, 1938. Class 38.

362,195. PORK SAUSAGES AND SAUSAGES. SEVERINO ABUIN Y COMPAÑIA, Habana, Cuba.
Filed March 14, 1938. Serial No. 404,059. PUBLISHED SEPTEMBER 6, 1938. Class 46.

362,196. SHOES MADE OF RUBBER, LEATHER, FABRIC, AND COMBINATIONS THEREOF. CONVERSE RUBBER COMPANY, Malden, Mass.
Filed March 16, 1938. Serial No. 404,121. PUBLISHED AUGUST 23, 1938. Class 39.

362,197. WOMEN'S UNDER AND OUTER WEARING APPAREL—NAMELY, GIRDLES, BRASSIÈRES, GARTER BELTS, ETC. O. J. DE LENDRECIE COMPANY, Fargo, N. Dak.
Filed March 16, 1938. Serial No. 404,122. PUBLISHED AUGUST 23, 1938. Class 39.

362,198. READY MIXED PAINT. STANDARD ENAMEL AND PAINT CORPORATION, Indianapolis, Ind.
Filed March 17, 1938. Serial No. 404,190. PUBLISHED SEPTEMBER 6, 1938. Class 16.

362,199. AGRICULTURAL LIMESTONE. DOLESE & SHEPARD CO., Chicago, Ill.
Filed March 22, 1938. Serial No. 404,354. PUBLISHED SEPTEMBER 6, 1938. Class 1.

362,200. WOMEN'S HATS. WM. KNOWLTON & SONS COMPANY, West Upton, Mass.
Filed March 22, 1938. Serial No. 404,367. PUBLISHED AUGUST 23, 1938. Class 39.

362,201. WINES. QUALITY BRANDS, INC., San Francisco, Calif.
Filed March 22, 1938. Serial No. 404,375. PUBLISHED SEPTEMBER 6, 1938. Class 47.

362,202. HATS FOR CHILDREN, MISSES, AND LADIES COMPOSED OF CLOTH, FELT, STRAW, AND OTHER MATERIALS. SOL I. HYMAN, doing business as National Millinery Co. and National Wholesale Millinery Co., Baltimore, Md.
Filed March 25, 1938. Serial No. 404,475. PUBLISHED SEPTEMBER 6, 1938. Class 39.

362,203. HAND DIPPED CANDLES. F. MARTY & COMPANY, Syracuse, N. Y.
Filed March 30, 1938. Serial No. 404,675. PUBLISHED SEPTEMBER 6, 1938. Class 15.

362,204. COSMETIC PREPARATIONS—NAMELY, CLEANSING CREME, HONEY CLEANSING CREME, BEAUTY MASK, TISSUE CREME, ETC. MARJORIE MONROE COSMETIC CO., Chicago, Ill.
Filed April 1, 1938. Serial No. 404,771. PUBLISHED AUGUST 30, 1938. Class 6.

362,205. MEN'S AND YOUTH'S OUTER APPAREL, PARTICULARLY SPORTS APPAREL—NAMELY, SHIRTS, POLO SHIRTS, BUSH COATS, SWEATERS, AND JERSEYS. NATIONAL SHIRT SHOPS OF DELAWARE, INC., New York, N. Y.
Filed April 5, 1938. Serial No. 404,904. PUBLISHED SEPTEMBER 6, 1938. Class 39.

362,206. SPORT SOCKS, SWEATERS; CAPS FOR MEN, WOMEN, AND CHILDREN; SCARFS, AND KNIT GLOVES. STERLING HOSIERY CO., Chicago, Ill.
Filed April 6, 1938. Serial No. 404,962. PUBLISHED AUGUST 2, 1938. Class 39.

362,207. WATCHES AND CLOCKS. JASPER J. SPURLOCK, Los Angeles, Calif.
Filed April 8, 1938. Serial No. 405,041. PUBLISHED SEPTEMBER 6, 1938. Class 27.

362,208. DRESS SHIELDS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed April 14, 1938. Serial No. 405,258. PUBLISHED AUGUST 9, 1938. Class 40.

362,209. FORCED DRAFT ATTIC VENTILATORS. ALLAN ENGINEERING COMPANY, INCORPORATED, Dallas Tex.
Filed April 15, 1938. Serial No. 405,283. PUBLISHED SEPTEMBER 6, 1938. Class 34.

362,210. ARTIFICIAL ICE. JOHN J. MARKMAN, Washington, D. C.
Filed April 15, 1938. Serial No. 405,306. PUBLISHED SEPTEMBER 6, 1938. Class 1.

362,211. SHOES OF LEATHER AND FABRIC, AND A COMBINATION OF THESE MATERIALS. THE SELBY SHOE CO., Portsmouth, Ohio.
Filed April 15, 1938. Serial No. 405,321. PUBLISHED AUGUST 9, 1938. Class 39.

362,212. MEN'S HATS. CAPSON HAT CO., INC., Fall River, Mass.
Filed April 16, 1938. Serial No. 405,343. PUBLISHED AUGUST 9, 1938. Class 39.

362,213. FABRIC REPAIR WEAVING EQUIPMENT AND HOSIERY REPAIR MACHINE NEEDLES. KAI-MENDIT COMPANY, Youngstown, Ohio, and Erie, Pa.
Filed April 19, 1938. Serial No. 405,429. PUBLISHED SEPTEMBER 6, 1938. Class 23.

362,214. NEWSPAPER. DAILY MIRROR, INC., New York, N. Y.
Filed April 19, 1938. Serial No. 405,438. PUBLISHED SEPTEMBER 6, 1938. Class 38.

362,215. HAIR PREPARATION. FRANCISCO TORRES, Juana Diaz, P. R.
Filed April 19, 1938. Serial No. 405,467. PUBLISHED AUGUST 30, 1938. Class 6.

362,216. WOMEN'S FUR COATS MADE OF EASTERN MINK. EASTERN QUALITY CORP., New York, N. Y.
Filed April 20, 1938. Serial No. 405,490. PUBLISHED SEPTEMBER 6, 1938. Class 39.

362,217. DYES AND DYESTUFFS. CHARLES SCOTT ALTHOUSE, doing business as Althouse Chemical Company, Reading, Pa.
Filed April 21, 1938. Serial No. 405,541. PUBLISHED AUGUST 30, 1938. Class 6.

362,218. DYES AND DYESTUFFS. CHARLES SCOTT ALTHOUSE, doing business as Althouse Chemical Company, Reading, Pa.
Filed April 21, 1938. Serial No. 405,542. PUBLISHED AUGUST 30, 1938. Class 6.

362,219. DYES AND DYESTUFFS. CHARLES SCOTT ALTHOUSE, doing business as Althouse Chemical Company, Reading, Pa.
Filed April 21, 1938. Serial No. 405,544. PUBLISHED AUGUST 30, 1938. Class 6.

362,220. FILTER UNITS FOR GASES OR OILS AND SIMILAR LIQUIDS MADE OF SPIRALLY WOUND CELLULOSE SHEETS IN CLOTH BAGS AND/OR WOOL DISCS CONFINED BETWEEN PERFORATED DISCS. THE K & S MOTOR PRODUCTS, INC., Hillside, N. J.
Filed April 28, 1938. Serial No. 405,814. PUBLISHED AUGUST 30, 1938. Class 31.

362,221. DYED CONEY COATS, CAPES, AND JACKETS. FISH & KIMMEL, INC., New York, N. Y.
Filed April 28, 1938. Serial No. 405,834. PUBLISHED SEPTEMBER 6, 1938. Class 39.

362,222. MEN'S AND BOYS' TROUSERS. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed April 29, 1938. Serial No. 405,857. PUBLISHED SEPTEMBER 6, 1938. Class 39.

362,223. ELECTRIC LIGHTING FIXTURES FOR HOUSEHOLD AND COMMERCIAL INSTALLATIONS. THE EDWIN F. GUTH COMPANY, St. Louis, Mo.
Filed April 30, 1938. Serial No. 405,876. PUBLISHED SEPTEMBER 6, 1938. Class 21.

362,224. BRASSIÈRES, GIRDLES, AND CORSETS. HIRSCHBERG-SCHUTZ & CO., New York, N. Y.
Filed May 2, 1938. Serial No. 405,927. PUBLISHED AUGUST 2, 1938. Class 39.

362,225. ROOFING MATERIALS COMPRISING ASBESTOS-CEMENT ROOFING SOLD IN ROLLED FORM, ASPHALT ROLLED ROOFINGS AND COMPOSITION SHINGLES. KEASBEY & MATTISON COMPANY, Ambler, Pa.
Filed May 2, 1938. Serial No. 405,928. PUBLISHED SEPTEMBER 6, 1938. Class 12.

362,226. CLEANING PREPARATION, SPECIFICALLY A CLEANING PREPARATION FOR HOUSEHOLD, LAUNDRY, AND DAIRY USE. ALBERT C. S. RAYMOND, doing business as Champion Products Co., Orange, Mass.
Filed May 2, 1938. Serial No. 405,935. PUBLISHED SEPTEMBER 6, 1938. Class 4.

362,227. MEN'S AND WOMEN'S AND CHILDREN'S GARMENTS—NAMELY, SWIMMING SUITS, BATHING SUITS, SWEATERS, DRESSES, HOSIERY, UNDERWEAR, HATS, CAPS, SUITS, PAJAMAS, FABRIC GLOVES AND SHOES COMPOSED OF FABRIC OR OF A COMBINATION OF FABRIC AND OTHER MATERIALS. WEST COAST MANCHESTER MILLS, INC., Los Angeles, Calif.
Filed May 2, 1938. Serial No. 405,949. PUBLISHED AUGUST 2, 1938. Class 39.

362,228. PORTLAND CEMENT. UNIVERSAL ATLAS CEMENT COMPANY, Chicago, Ill.
Filed May 3, 1938. Serial No. 405,974. PUBLISHED AUGUST 30, 1938. Class 12.

362,229. SOAPS AND SOAP PREPARATIONS. THE HART PRODUCTS CORPORATION, New York, N. Y.
Filed May 4, 1938. Serial No. 405,988. PUBLISHED SEPTEMBER 6, 1938. Class 4.

362,230. FLAKED DISINTEGRATED METAL USED AS PAINT INGREDIENT PARTICULARLY AS PAINT PIGMENTS. METALS DISINTEGRATING COMPANY, INC., Union, N. J.
Filed May 5, 1938. Serial No. 406,026. PUBLISHED SEPTEMBER 6, 1938. Class 16.

362,231. ROLLED OATS. THE QUAKER OATS COMPANY, Chicago, Ill.
Filed May 5, 1938. Serial No. 406,029. PUBLISHED AUGUST 30, 1938. Class 46.

362,232. FAN-DRIVEN VENTILATORS, AIR DIFFUSERS, AND AIR ASPIRATORS. ANEMOSTAT CORPORATION OF AMERICA, New York, N. Y.
Filed May 6, 1938. Serial No. 406,041. PUBLISHED SEPTEMBER 6, 1938. Class 24.

362,233. WOMEN'S AND GIRLS' FOUNDATION GARMENTS, CORSETS, BRASSIÈRES, AND GIRDLES AND VARIOUS COMBINATIONS OF SAID GARMENTS. CLEAR WEAVE HOSIERY STORES, INC., (Jamaica Plain) Boston, Mass.
Filed May 6, 1938. Serial No. 406,048. PUBLISHED AUGUST 23, 1938. Class 39.

362,234. HOSIERY. CONTOUR HOSIERY MILLS, Rockford, Ill.
Filed May 9, 1938. Serial No. 406,122. PUBLISHED AUGUST 16, 1938. Class 39.

362,235. DANDRUFF REMOVER TONIC AND DANDRUFF REMOVER SHAMPOO. FOUR PENNY PRODUCTS CO., Chicago, Ill.
Filed May 9, 1938. Serial No. 406,126. PUBLISHED AUGUST 30, 1938. Class 6.

362,236. MEN'S, WOMEN'S, BOYS', AND GIRLS' OUTER SHORTS AND SHIRTS, BLOUSES, SWEAT-SHIRTS, JERSEYS, BATHING SUITS, SWEATERS, BEACH-ROBES, BLAZERS, AND SHOES MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS THEREOF; AND WOMEN'S AND GIRLS' OUTER SKIRTS. GLADDING'S INC., Providence, R. I.
Filed May 9, 1938. Serial No. 406,129. PUBLISHED AUGUST 2, 1938. Class 39.

362,237. SKIS AND COMPONENT PARTS THEREOF. WILLIAM J. BEER COMPANY, INC., New York, N. Y.
Filed May 10, 1938. Serial No. 406,171. PUBLISHED SEPTEMBER 6, 1938. Class 22.

362,238. PAMPHLET PUBLISHED WEEKLY. BULLETIN RECORD PUBLISHING CO., Chicago, Ill.
Filed May 10, 1938. Serial No. 406,172. PUBLISHED AUGUST 30, 1938. Class 38.

362,239. HAND AND FACE LOTIONS. VANDA STANLEY, doing business as Mme. Vanda, Chicago, Ill.
Filed May 10, 1938. Serial No. 406,199. PUBLISHED AUGUST 30, 1938. Class 6.

362,240. HOSIERY. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J.
Filed May 11, 1938. Serial No. 406,218. PUBLISHED SEPTEMBER 6, 1938. Class 39.

362,241. COAL AND WOOD RANGES. SIMMONS HARDWARE COMPANY, St. Louis, Mo.
Filed May 11, 1938. Serial No. 406,229. PUBLISHED SEPTEMBER 6, 1938. Class 34.

362,242. WRAPPING PAPER. COLUMBIA RIVER PAPER MILLS, Vancouver, Wash.
Filed May 12, 1938. Serial No. 406,241. PUBLISHED SEPTEMBER 6, 1938. Class 37.

362,243. MEN'S HATS. ADAM HAT STORES, INC., New York, N. Y.
Filed May 13, 1938. Serial No. 406,271. PUBLISHED AUGUST 2, 1938. Class 39.

362,244. SHOES OF LEATHER, OR A COMBINATION OF LEATHER, RUBBER, OR FABRIC. THE JUVENILE SHOE CORPORATION OF AMERICA, Aurora and St. Louis, Mo.
Filed May 13, 1938. Serial No. 406,294. PUBLISHED AUGUST 2, 1938. Class 39.

362,245. HOSIERY. ROMAN STRIPE MILLS, INC., Easton, Pa., and New York, N. Y.
Filed May 13, 1938. Serial No. 406,303. PUBLISHED AUGUST 16, 1938. Class 39.

362,246. OVERALLS. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill.
Filed May 16, 1938. Serial No. 406,372. PUBLISHED AUGUST 16, 1938. Class 39.

362,247. WOMEN'S AND MISSES' DRESSES, SUITS, COATS, NEGLIGEES, AND LOUNGING PAJAMAS. SMART DEB FROCKS, INC., New York, N. Y.
Filed May 16, 1938. Serial No. 406,403. PUBLISHED AUGUST 16, 1938. Class 39.

362,248. GOLF JACKETS, SKI JACKETS, AND RAINCOATS FOR MEN, WOMEN, AND CHILDREN. AXEL, LIMITED, New York, N. Y.
Filed May 17, 1938. Serial No. 406,413. PUBLISHED AUGUST 30, 1938. Class 39.

362,249. HOSIERY; LEATHER AND FABRIC GLOVES; WOMEN'S, MISSES', AND CHILDREN'S DRESSES, NEGLIGEES, UNDERWEAR, CORSETS, AND LEATHER, CANVAS, AND RUBBER SHOES. BEST & CO., INC., New York, N. Y.
Filed May 17, 1938. Serial No. 406,414. PUBLISHED AUGUST 30, 1938. Class 39.

362,250. MEN'S AND BOYS' SUITS INCLUDING COATS, VESTS, AND TROUSERS; TOPCOATS, OVERCOATS, RAINCOATS, SPORT TROUSERS, AND SPORT COATS. LAMM BROTHERS, INCORPORATED, Baltimore, Md.
Filed May 17, 1938. Serial No. 406,425. PUBLISHED SEPTEMBER 6, 1938. Class 39.

362,251. PERIODICAL. THE BLUE VALLEY FARMER CO., Oklahoma City, Okla.
Filed May 18, 1938. Serial No. 406,441. PUBLISHED AUGUST 30, 1938. Class 38.

362,252. SILVER AND SILVER MOUNTED FLATWARE (IMPLEMENTS WITH A HANDLE OR FINGER HOLD FOR CULINARY, FEEDING, SERVING, OR PERSONAL USE), ETC. TOWLE MANUFACTURING COMPANY, Newburyport, Mass.
Filed May 18, 1938. Serial No. 406,471. PUBLISHED AUGUST 16, 1938. Class 28.

362,253. SILVER AND SILVER MOUNTED FLATWARE (IMPLEMENTS WITH A HANDLE OR FINGER HOLD FOR CULINARY, FEEDING, SERVING, OR PERSONAL USE), ETC. TOWLE MANUFACTURING COMPANY, Newburyport, Mass.
Filed May 18, 1938. Serial No. 406,479. PUBLISHED AUGUST 16, 1938. Class 28.

362,254. MEN'S AND WOMEN'S SHOES AND SLIPPERS MADE OF LEATHER AND/OR FABRIC OR MIXTURES OF THESE MATERIALS. A. S. BECK SHOE CORPORATION, New York, N. Y.
Filed May 19, 1938. Serial No. 406,490. PUBLISHED AUGUST 9, 1938. Class 39.

362,255. DRESSES FOR WOMEN, MISSES, AND CHILDREN. ISAAC GINSBERG & BROS., INC., New York, N. Y.
Filed May 19, 1938. Serial No. 406,509. PUBLISHED AUGUST 16, 1938. Class 39.

362,256. WORK AND NEGLIGEE AND DRESS SHIRTS, PAJAMAS, UNDERWEAR FOR MEN—NAMELY, SHORTS AND SHIRTS. M. H. RAAB-MEYERHOF CO., INC., Philadelphia, Pa., and New York, N. Y.; assignor to James Nelson Limited, England.
Filed May 19, 1938. Serial No. 406,526. PUBLISHED SEPTEMBER 6, 1938. Class 39.

362,257. ANTIDIGESTANT PREPARATION. THE BURTON-LEVIN FOUNDATION, INC., Baltimore, Md. assignor, by mesne assignments, to Livingston Chemical Company, Kalamazoo, Mich.
Filed May 20, 1938. Serial No. 406,547. PUBLISHED AUGUST 30, 1938. Class 6.

362,258. LADIES' SILK OR RAYON SLIPS, PETTICOATS, NIGHTGOWNS, PAJAMAS, CHEMISES, BRASSIÈRES, CORSETS, UNDERSHORTS, AND PANTIES. THE PATRICIA PETTICOAT CO., INC., New York, N. Y.
Filed May 20, 1938. Serial No. 406,561. PUBLISHED AUGUST 23, 1938. Class 39.

362,259. LEATHER AND FABRIC GLOVES. HANSEN GLOVE CORPORATION, Milwaukee, Wis.
Filed May 21, 1938. Serial No. 406,585. PUBLISHED AUGUST 23, 1938. Class 39.

362,260. FLEA POWDER. POLK MILLER PRODUCTS CORP., Richmond, Va.
Filed May 21, 1938. Serial No. 406,601. PUBLISHED AUGUST 30, 1938. Class 6.

362,261. FLEA POWDER. POLK MILLER PRODUCTS CORP., Richmond, Va.
Filed May 21, 1938. Serial No. 406,602. PUBLISHED AUGUST 30, 1938. Class 6.

362,262. WOMEN'S HATS. BONWIT TELLER, INC., New York, N. Y.
Filed May 21, 1938. Serial No. 406,607. PUBLISHED AUGUST 9, 1938. Class 39.

362,263. FRESH CITRUS FRUIT. WARD DANIELS, Fillmore, Calif.
Filed May 23, 1938. Serial No. 406,624. PUBLISHED AUGUST 30, 1938. Class 46.

362,264. WRIST WATCH STRAPS AND PARTS THEREFOR. ALBERT H. SAUER, JR., doing business as A. Sauer & Company, Cincinnati, Ohio.
Filed May 23, 1938. Serial No. 406,658. PUBLISHED AUGUST 23, 1938. Class 40.

362,265. LEATHER AND FABRIC GLOVES. FOWNES BROTHERS & CO. INC., New York, N. Y.
Filed May 25, 1938. Serial No. 406,709. PUBLISHED AUGUST 9, 1938. Class 39.

362,266. TEXTILE BABY DIAPERS. COMMERCIAL SHIRT CORPORATION, New York, N. Y.
Filed May 26, 1938. Serial No. 406,750. PUBLISHED AUGUST 30, 1938. Class 39.

362,267. LADIES', WOMEN'S, AND MISSES' HATS. BEST & CO., INC., New York, N. Y.
Filed May 26, 1938. Serial No. 406,751. PUBLISHED AUGUST 23, 1938. Class 39.

362,268. NECKTIES. WILLIAM ISAAC, New York, N. Y.
Filed May 26, 1938. Serial No. 406,761. PUBLISHED AUGUST 23, 1938. Class 39.

362,269. MEN'S AND BOYS' STRAW, FELT (WOOL AND FUR), AND CLOTH HATS AND CAPS. RICHARD VAN LIER, INC., St. Louis, Mo.
Filed May 26, 1938. Serial No. 406,788. PUBLISHED AUGUST 9, 1938. Class 39.

362,270. HAND AGRICULTURAL AND GARDEN IMPLEMENTS—NAMELY, RAKES, FORKS, HOES, WEEDERS, EDGERS, CUTTERS, HARVESTERS, ETC. THE AMERICAN FORK & HOE COMPANY, Cleveland, Ohio.
Filed May 27, 1938. Serial No. 406,794. PUBLISHED SEPTEMBER 6, 1938. Class 23.

362,271. ARABIAN HORSES. J. M. DICKINSON, Nashville, Tenn.
Filed May 27, 1938. Serial No. 406,798. PUBLISHED SEPTEMBER 6, 1938. Class 1.

362,272. BOTTLES OF HAIR TONIC. PETER DE LELLIS, Nutley, N. J.
Filed May 26, 1938. Serial No. 406,848. PUBLISHED AUGUST 30, 1938. Class 6.

362,273. BEER. PH. SCHNEIDER BREWING CO., Trinidad, Colo.
Filed May 28, 1938. Serial No. 406,884. PUBLISHED AUGUST 30, 1938. Class 48.

362,274. MEN'S AND WOMEN'S LEATHER GLOVES. THE SUPERB GLOVE CO., Johnstown, N. Y.
Filed May 28, 1938. Serial No. 406,891. PUBLISHED AUGUST 9, 1938. Class 39.

362,275. LADIES' AND MISSES' BRASSIÈRES, GIRDLES, CORSETS, STEP-IN GIRDLES, COMBINATION CORSETS AND BRASSIÈRES, PANTIES, STEP-INS, DANCE SETS, CONSISTING OF BRASSIÈRES AND PANTIES, SLIPS, AND UNDERSHIRTS MADE OF KNITTED AND WOVEN FABRICS OF SILK, RAYON, COTTON, WOOL, AND/OR COMBINATIONS THEREOF. THE SIMONE COMPANY INC., New York, N. Y.
Filed May 31, 1938. Serial No. 406,947. PUBLISHED AUGUST 23, 1938. Class 39.

362,276. LEATHER. B. D. EISENDRATH TANNING CO., Chicago, Ill.
Filed June 1, 1938. Serial No. 406,967. PUBLISHED SEPTEMBER 6, 1938. Class 1.

362,277. LIQUID COATING FOR THE FINGERNAILS USED BEFORE OR AFTER APPLICATION OF REGULAR POLISH. SCHNEFEL BROS. CORPORATION, Newark, N. J.
Filed June 1, 1938. Serial No. 406,985. PUBLISHED AUGUST 30, 1938. Class 6.

362,278. MONTHLY PUBLICATION. THE BUTCHERS' ADVOCATE CO., INC., New York, N. Y.
Filed June 2, 1938. Serial No. 407,005. PUBLISHED SEPTEMBER 6, 1938. Class 38.

362,279. WOMEN'S SHOES OF LEATHER OR FABRIC AND/OR COMBINATIONS THEREOF. A. GARSIDE & SONS, Philadelphia, Pa.
Filed June 2, 1938. Serial No. 407,017. PUBLISHED AUGUST 30, 1938. Class 39.

362,280. YARN. HEIRLOOM NEEDLECRAFT GUILD, INC., New York, N. Y.
Filed June 2, 1938. Serial No. 407,022. PUBLISHED AUGUST 16, 1938. Class 43.

362,281. CHEMICAL PREPARATION FOR USE IN STIFFENING, PRESERVING, AND FULLING TEXTILE FABRICS. J. LEON KAHN, doing business as Novotex Laboratories, Washington, D. C.
Filed June 2, 1938. Serial No. 407,023. PUBLISHED AUGUST 30, 1938. Class 6.

362,282. MEN'S AND WOMEN'S SHOES AND SLIPPERS MADE OF LEATHER AND/OR FABRIC OR MIXTURES OF THESE MATERIALS. A. S. BECK SHOE CORPORATION, New York, N. Y.
Filed June 4, 1938. Serial No. 407,084. PUBLISHED AUGUST 9, 1938. Class 39.

362,283. FACIAL CREAMS. ELMO, INC., Philadelphia, Pa.
Filed June 4, 1938. Serial No. 407,093. PUBLISHED AUGUST 30, 1938. Class 6.

362,284. MEN'S HATS. FAVORITE PANAMA HAT CO., INC., New York, N. Y.
Filed June 4, 1938. Serial No. 407,094. PUBLISHED AUGUST 23, 1938. Class 39.

362,285. WOMEN'S ALL LEATHER SHOES. R. H. MACY & CO., INC., New York, N. Y.
Filed June 4, 1938. Serial No. 407,100. PUBLISHED AUGUST 9, 1938. Class 39.

362,286. WOMEN'S SHOES MADE OF LEATHER AND LEATHER AND FABRIC. R. H. MACY & CO., INC., New York, N. Y.
Filed June 4, 1938. Serial No. 407,101. PUBLISHED AUGUST 9, 1938. Class 39.

362,287. DRY AND READY-MIXED PAINTS, PAINT ENAMELS, STAINS, LACQUERS, AND VARNISHES. THE PATTERSON-SARGENT COMPANY, Cleveland, Ohio.
Filed June 4, 1938. Serial No. 407,109. PUBLISHED SEPTEMBER 6, 1938. Class 16.

362,288. CHEMOTHERAPEUTIC AGENT FOR STREPTOCOCCIC AND STAPHYLOCOCCIC INFECTIONS. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y.
Filed June 4, 1938. Serial No. 407,119. PUBLISHED AUGUST 30, 1938. Class 6.

362,289. CANDY BARS. THE EUCLID CANDY CO. OF CALIFORNIA, INC., San Francisco, Calif.
Filed June 6, 1938. Serial No. 407,137. PUBLISHED SEPTEMBER 6, 1938. Class 46.

362,290. JEWELRY FOR PERSONAL WEAR OR ADORNMENT NOT INCLUDING WATCHES. IRONS & RUSSELL COMPANY, Providence, R. I.
Filed June 6, 1938. Serial No. 407,142. PUBLISHED AUGUST 16, 1938. Class 28.

362,291. POWDERED MILK FOR CREAM FILLING, CAKES, AND BREAD. JABURG BROTHERS, INC., New York, N. Y.
Filed June 6, 1938. Serial No. 407,143. PUBLISHED SEPTEMBER 6, 1938. Class 46.

362,292. DRESS SHIELDS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed June 6, 1938. Serial No. 407,146. PUBLISHED AUGUST 9, 1938. Class 40.

362,293. DRESS SHIELDS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed June 6, 1938. Serial No. 407,147. PUBLISHED AUGUST 9, 1938. Class 40.

362,294. COSMETICS INCLUDING COMPLEXION CREAMS, LOTIONS, ASTRINGENTS, PERFUMES, TOILET WATER, AND BATH SALTS. MYRA W. LEESON, Los Angeles, Calif.
Filed June 6, 1938. Serial No. 407,149. PUBLISHED SEPTEMBER 6, 1938. Class 6.

362,295. COATED AND UNCOATED BOOK PAPER, BOND, AND LEDGER PAPERS, AND INDEX BRISTOLS. TOBEY-FINE PAPERS, INC., St. Louis, Mo.
Filed June 6, 1938. Serial No. 407,164. PUBLISHED SEPTEMBER 6, 1938. Class 37.

362,296. TRAVELOGUE BOOKS CONTAINING CARTOONS. J. J. AUGUSTIN, doing business as J. J. Augustin, Publisher, New York, N. Y.
Filed June 7, 1938. Serial No. 407,179. PUBLISHED SEPTEMBER 6, 1938. Class 38.

362,297. WOMEN'S, MISSES', AND CHILDREN'S DRESSES. IRWIN, HOPWOOD & COMPANY, New York, N. Y.
Filed June 7, 1938. Serial No. 407,187. PUBLISHED AUGUST 16, 1938. Class 39.

362,298. COAL. CLYDE E. SPEER COAL CO., INC., Pittsburgh, Pa.
Filed June 7, 1938. Serial No. 407,203. PUBLISHED SEPTEMBER 6, 1938. Class 1.

362,299. LADIES' AND MEN'S PAJAMAS AND MEN'S SHORTS. THE B. V. D. CORPORATION, Baltimore, Md.
Filed June 8, 1938. Serial No. 407,211. PUBLISHED AUGUST 30, 1938. Class 39.

362,300. LAXATIVES. CAL-PAR CORPORATION, New York, N. Y.
Filed June 8, 1938. Serial No. 407,215. PUBLISHED AUGUST 30, 1938. Class 6.

362,301. MEN'S HOSE. W. T. GRANT COMPANY, New York, N. Y.
Filed June 8, 1938. Serial No. 407,221. PUBLISHED AUGUST 16, 1938. Class 39.

362,302. MEN'S AND BOYS' SUITS. LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y.
Filed June 8, 1938. Serial No. 407,228. PUBLISHED AUGUST 16, 1938. Class 39.

362,303. MEN'S AND BOYS' SUITS. LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y.
Filed June 8, 1938. Serial No. 407,229. PUBLISHED SEPTEMBER 6, 1938. Class 39.

362,304. MEN'S AND BOYS' SUITS. LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y.
Filed June 8, 1938. Serial No. 407,230. PUBLISHED SEPTEMBER 6, 1938. Class 39.

362,305. MEN'S AND BOYS' SUITS. LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y.
Filed June 8, 1938. Serial No. 407,231. PUBLISHED SEPTEMBER 6, 1938. Class 39.

362,306. MANICURE PREPARATION IN LIQUID FORM TO BE APPLIED TO THE NAILS IN CONNECTION WITH POLISH. M. V. C. LABORATORIES, INC., Toledo, Ohio.
Filed June 8, 1938. Serial No. 407,233. PUBLISHED SEPTEMBER 6, 1938. Class 6.

362,307. PROTECTIVE OXIDIZING AGENT AND KIER-BOILING ASSISTANT FOR DYED AND PRINTED MATERIALS. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y.
Filed June 8, 1938. Serial No. 407,238. PUBLISHED SEPTEMBER 6, 1938. Class 6.

362,308. ART NEEDLEWORK PACKAGE OUTFITS. RYERSON-BUNTY, INC., New York, N. Y.
Filed June 8, 1938. Serial No. 407,250. PUBLISHED AUGUST 23, 1938. Class 40.

362,309. WRITING AND TYPEWRITING PAPER. GOLDSMITH BROS., New York, N. Y.
Filed June 9, 1938. Serial No. 407,262. PUBLISHED SEPTEMBER 6, 1938. Class 37.

362,310. KNITTED OUTERWEAR AND HEADWEAR—NAMELY, CAPS, HOODS, HOCKEY CAPS, TOQUES, TOBOGGAN CAPS, PARKA HOODS, SCARFS, GLOVES, MITTENS, DRESSES, COATS, SKIRTS, TWIN SWEATERS, CARDIGANS, AND SUITS. FRIEDMAN BLAU FARBER COMPANY, Cleveland, Ohio.
Filed June 9, 1938. Serial No. 407,264. PUBLISHED AUGUST 23, 1938. Class 39.

362,311. MEN'S, WOMEN'S, BOYS', GIRLS', AND CHILDREN'S COATS AND OVERCOATS. LORD & TAYLOR, New York, N. Y.
Filed June 9, 1938. Serial No. 407,272. PUBLISHED AUGUST 16, 1938. Class 39.

362,312. COSMETICS—NAMELY, LIQUID COATING FOR THE LIPS. JOSEPH PARDOLL, doing business as The Permanon Company, New York, N. Y.
Filed June 9, 1938. Serial No. 407,282. PUBLISHED SEPTEMBER 6, 1938. Class 6.

362,313. MATTRESSES. HERBERT C. KIMPTON, Portland, Oreg.
Filed June 10, 1938. Serial No. 407,315. PUBLISHED AUGUST 30, 1938. Class 32.

362,314. OPTICAL INSTRUMENTS SUCH AS ENLARGING AND CORRECTIVE GLASSES. ROBERT J. REICHERT, doing business as Mirakel Optical Co., Mount Vernon, N. Y.
Filed June 10, 1938. Serial No. 407,328. PUBLISHED SEPTEMBER 6, 1938. Class 26.

362,315. WOMEN'S, MISSES', AND CHILDREN'S DRESSES OF WOVEN FABRICS. KLEVER KLAD FROCKS, INC., New York, N. Y.
Filed June 11, 1938. Serial No. 407,351. PUBLISHED AUGUST 16, 1938. Class 39.

362,316. BOTTLE CAPS, CAN CAPS, CONTAINER CLOSURES AND CORKS. CARDINAL LABORATORIES, INC., Chicago, Ill.
Filed June 11, 1938. Serial No. 407,355. PUBLISHED SEPTEMBER 6, 1938. Class 50.

362,317. CHEMICAL SUBSTANCE OR MIXTURE IN LIQUID FORM (BUT WHICH MAY BE IN SOLID, CRYSTAL, OR IN ANY OTHER FORM), USED AS A LUBRICANT, ETC. CELLULOID CORPORATION, Newark, N. J.
Filed June 11, 1938. Serial No. 407,362. PUBLISHED SEPTEMBER 6, 1938. Class 6.

362,318. CORSETS, GIRDLES, AND COMBINATION CORSETS AND BRASSIÈRES. THE H. W. GOSSARD CO., Chicago, Ill.
Filed June 11, 1938. Serial No. 407,375. PUBLISHED AUGUST 30, 1938. Class 39.

362,319. COAL. THE HENNEBERGER LUMBER & COAL CO., Hamilton, Ohio.
Filed June 11, 1938. Serial No. 407,377. PUBLISHED SEPTEMBER 6, 1938. Class 1.

362,320. NECKTIES AND CRAVATS. HUT NECKWEAR CO., INC., New York, N. Y.
Filed June 11, 1938. Serial No. 407,378. PUBLISHED SEPTEMBER 6, 1938. Class 39.

362,321. NAIL POLISH, NAIL WAX, POWDER, ROUGE, LIPSTICK, DEODORANT, FACE AND HAND CREAM, AND SHAMPOO. MARATHON LABORATORIES, INC., Newark, N. J.
Filed June 11, 1938. Serial No. 407,380. PUBLISHED AUGUST 30, 1938. Class 6.

362,322. CIGARETTE CASES. H. NEGBAUR & CO. INC., New York, N. Y.
Filed June 11, 1938. Serial No. 407,384. PUBLISHED SEPTEMBER 6, 1938. Class 8.

362,323. DRESS AND NEGLIGEE SHIRTS, SHORTS, SLACKS, AND SPORTSWEAR—NAMELY, DRESSES, BLOUSES, AND JACKETS, FOR MEN, WOMEN, AND CHILDREN. WAMSUTTA MILLS, New Bedford, Mass.
Filed June 11, 1938. Serial No. 407,402. PUBLISHED AUGUST 16, 1938. Class 39.

362,324. PAJAMAS, NIGHTGOWNS, HOUSE COATS, AND NEGLIGEES. THE EASTERN ISLES IMPORTING CO., INC., New York, N. Y.
Filed June 13, 1938. Serial No. 407,428. PUBLISHED AUGUST 23, 1938. Class 39.

362,325. GUMMED PAPER TAPE. THE GUMMED PRODUCTS COMPANY, Troy, Ohio.
Filed June 13, 1938. Serial No. 407,431. PUBLISHED SEPTEMBER 6, 1938. Class 37.

362,326. STAMPED FANCYWORK COMPRISING SCARFS, CENTERPIECES, BUFFET SETS, PILLOW CASES, RUG PATTERNS, AND QUILT PATCHES. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed June 13, 1938. Serial No. 407,442. PUBLISHED AUGUST 30, 1938. Class 40.

362,327. LIME. GENERAL CHEMICAL COMPANY, New York, N. Y.
Filed June 14, 1938. Serial No. 407,462. PUBLISHED SEPTEMBER 6, 1938. Class 6.

362,328. PAPER AND MORE PARTICULARLY CORRUGATED PAPER FOR DISPLAY MATERIALS. SHERMAN PAPER PRODUCTS CORPORATION, Newton, Mass.
Filed June 14, 1938. Serial No. 407,472. PUBLISHED SEPTEMBER 6, 1938. Class 37.

362,329. POULTRY FOOD. ALBERS BROS. MILLING CO., Portland, Oreg.; San Francisco, Oakland, Los Angeles, Fresno, Riverside, Sacramento, and San Jose, Calif.; and Seattle, Tacoma, and Spokane, Wash.
Filed June 15, 1938. Serial No. 407,482. PUBLISHED AUGUST 30, 1938. Class 46.

362,330. COMBS FOR THE HAIR. AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y.
Filed June 15, 1938. Serial No. 407,485. PUBLISHED AUGUST 9, 1938. Class 40.

362,331. NON-ELECTRICAL HAIR CURLERS AND BOB PINS. ROBERT T. PLATE, doing business as Plate Manufacturing Company, Detroit, Mich.
Filed June 15, 1938. Serial No. 407,503. PUBLISHED AUGUST 30, 1938. Class 40.

362,332. NON-ELECTRICAL HAIR CURLERS AND BOB PINS. ROBERT T. PLATE, doing business as Plate Manufacturing Company, Detroit, Mich.
Filed June 15, 1938. Serial No. 407,504. PUBLISHED AUGUST 30, 1938. Class 40.

362,333. SOUND-DEADENING AND MOISTURE RESISTING COMPOSITION IN THE NATURE OF A PAINT. SURFACE-PROOFING PRODUCTS, INC., New York, N. Y.
Filed June 15, 1938. Serial No. 407,508. PUBLISHED SEPTEMBER 6, 1938. Class 16.

362,334. LAXATIVE PREPARATION FOR THE TREATMENT OF CONSTIPATION AND CONDITIONS RESULTING THEREFROM. THE SYDNEY ROSS CO., Newark, N. J.
Filed June 15, 1938. Serial No. 407,510. PUBLISHED AUGUST 30, 1938. Class 6.

362,335. PERFUMES, TOILET WATER, FACE POWDER. MAURICE BABANI, Paris, France.
Filed June 16, 1938. Serial No. 407,517. PUBLISHED SEPTEMBER 6, 1938. Class 6.

362,336. FLEXIBLE METAL ROOFS FOR STORAGE TANKS. CHICAGO BRIDGE & IRON WORKS, Chicago, Ill.
Filed June 16, 1938. Serial No. 407,535. PUBLISHED AUGUST 16, 1938. Class 12.

362,337. LADIES' UNDERWEAR, PAJAMAS, NIGHTGOWNS, AND DRESSES. DUTCHESS UNDERWEAR CORPORATION, New York, N. Y.
Filed June 17, 1938. Serial No. 407,584. PUBLISHED AUGUST 16, 1938. Class 39.

362,338. DEODORANT. FRIL LABORATORIES, Cincinnati, Ohio.
Filed June 17, 1938. Serial No. 407,590. PUBLISHED SEPTEMBER 6, 1938. Class 6.

362,339. FACE CREAM AND FACE POWDER. LADY ESTHER, LTD., Chicago, Ill.
Filed June 17, 1938. Serial No. 407,595. PUBLISHED SEPTEMBER 6, 1938. Class 6.

362,340. PACKAGE BINDER CUTTERS—VIZ., TONGUED METALLIC SHEAR-CLIPS FOR APPLICATION TO BINDERS, SUCH AS STEEL STRAP, AND OPERATING KEYS THEREFOR. SIGNODE STEEL STRAPPING COMPANY, Chicago, Ill.
Filed June 17, 1938. Serial No. 407,609. PUBLISHED SEPTEMBER 6, 1938. Class 23.

362,341. DYES. THE FRENCH RENOVATING COMPANY, Cleveland, Ohio.
Filed June 16, 1938. Serial No. 407,615. PUBLISHED SEPTEMBER 6, 1938. Class 6.

362,342. SUITCASES, TRUNKS, HAT BOXES FOR LUGGAGE PURPOSES, AND WARDROBE HAND LUGGAGE. HARTMANN TRUNK COMPANY, Racine, Wis.
Filed June 18, 1938. Serial No. 407,629. PUBLISHED SEPTEMBER 6, 1938. Class 3.

362,343. LADIES', MISSES', AND JUNIORS' COATS AND SUITS. LEFKOVE & MEYERS, Miami, Fla.
Filed June 18, 1938. Serial No. 407,634. PUBLISHED AUGUST 16, 1938. Class 39.

362,344. PRINTING PASTE, SUITABLE FOR PRINTING TEXTILE FABRICS. RÖHM & HAAS COMPANY, Philadelphia, Pa.
Filed June 18, 1938. Serial No. 407,641. PUBLISHED SEPTEMBER 6, 1938. Class 6.

362,345. LIVESTOCK FEEDS. ALLIED MILLS, INC., Chicago, Ill.
Filed June 20, 1938. Serial No. 407,653. PUBLISHED SEPTEMBER 6, 1938. Class 46.

362,346. MONTHLY PUBLICATION. FARM AND GROVE SYNDICATE, INC., Jacksonville, Fla.
Filed June 20, 1938. Serial No. 407,668. PUBLISHED SEPTEMBER 6, 1938. Class 38.

362,347. PREPARATION FOR RHEUMATIC RELIEF. POLSTRAY CO., INC., New York, N. Y.
Filed June 20, 1938. Serial No. 407,687. PUBLISHED SEPTEMBER 6, 1938. Class 6.

362,348. ELECTRIC REFRIGERATORS. ARTHUR F. CALLAHAN, New York, N. Y.
Filed June 21, 1938. Serial No. 407,713. PUBLISHED AUGUST 30, 1938. Class 31.

362,349. PHARMACEUTICAL PREPARATION FOR THE TREATMENT OF IVY POISONING AND THE LIKE. CASTEX LABORATORIES, INC., Watertown, Mass.
Filed June 21, 1938. Serial No. 407,714. PUBLISHED AUGUST 30, 1938. Class 6.

362,350. INSECTICIDE CONTAINED IN CAP-LIKE RECEPTACLES. CLIFFORD E. JONES, doing business as Peru Specialty Co., Peru, Ind.
Filed June 21, 1938. Serial No. 407,733. PUBLISHED SEPTEMBER 6, 1938. Class 6.

362,351. POWER DRIVEN GARDEN TRACTORS, INCLUDING ATTACHMENTS THEREFOR USED IN PLOUGHING, HARROWING, OR CULTIVATING. HERMAN KRAMER, doing business as Kramer Manufacturing Co., Tulsa, Okla.
Filed June 21, 1938. Serial No. 407,734. PUBLISHED SEPTEMBER 6, 1938. Class 23.

362,352. WOMEN'S AND MISSES' COATS AND SUITS. GORDON V. LYONS, INC., New York, N. Y.
Filed June 21, 1938. Serial No. 407,735. PUBLISHED SEPTEMBER 6, 1938. Class 39.

362,353. MACHINES EXCLUSIVE OF PUNCH AND DIE ELEMENTS ASSOCIATED THEREWITH FOR FORMING APERTURES IN METAL. MID-WEST PRODUCTION ENGINEERING, INC., Detroit, Mich.
Filed June 21, 1938. Serial No. 407,736. PUBLISHED SEPTEMBER 6, 1938. Class 23.

362,354. COATS, VESTS, TROUSERS, KNICKERBOCKERS, TOP COATS, AND OVERCOATS FOR MEN, YOUTHS, AND BOYS. J. SCHOENEMAN, INC., Baltimore, Md.
Filed June 21, 1938. Serial No. 407,740. PUBLISHED AUGUST 23, 1938. Class 39.

362,355. FLOOR GRATING AND OPEN STEEL FLOORING. VULCAN IRON & WIRE WORKS, Detroit, Mich.
Filed June 21, 1938. Serial No. 407,743. PUBLISHED AUGUST 16, 1938. Class 12.

362,356. FERTILIZERS FOR FLOWERS, SHRUBS, VEGETABLES, AND PLANTS. MARGARET B. MCGILL, Seattle Wash.
Filed June 22, 1938. Serial No. 407,760. PUBLISHED SEPTEMBER 6, 1938. Class 10.

362,357. LINIMENT FOR THE TREATMENT OF MUSCLE STRAINS AND SPRAINS, FROST BITE, AND MINOR ACHES AND PAINS. PROFESSOR DEAN'S KING CACTUS OIL COMPANY, Clinton, Iowa.
Filed June 22, 1938. Serial No. 407,762. PUBLISHED AUGUST 30, 1938. Class 6.

362,358. THERMOMETER CONSTRUCTED TO SOUND AN ALARM AT ANY DESIRED TEMPERATURE. SCOTCH PRODUCTS INCORPORATED, New York, N. Y.
Filed June 22, 1938. Serial No. 407,766. PUBLISHED SEPTEMBER 6, 1938. Class 26.

362,359. MARINE FINISHES—NAMELY, PRESERVATIVE PAINTS FOR BOTTOMS, AND PAINTS, ENAMELS, AND VARNISHES FOR OTHER PARTS OF MARINE CRAFT. TARR & WONSON, LIMITED, Gloucester, Mass.
Filed June 22, 1938. Serial No. 407,773. PUBLISHED SEPTEMBER 6, 1938. Class 16.

362,360. PORTFOLIOS. SAMUEL BORGER, doing business as Modes and Fabrics, New York, N. Y.
Filed June 23, 1938. Serial No. 407,789. PUBLISHED AUGUST 30, 1938. Class 3.

362,361. HOSIERY. BROWN DURRELL CO., Boston, Mass., and New York, N. Y.
Filed June 23, 1938. Serial No. 407,791. PUBLISHED SEPTEMBER 6, 1938. Class 39.

362,362. OVERCOATS AND TOPCOATS FOR MEN AND YOUNG MEN. EAGLE CLOTHES, New York, N. Y.
Filed June 23, 1938. Serial No. 407,799. PUBLISHED AUGUST 30, 1938. Class 39.

362,363. COMBINATION POLO SHIRT AND UNDERWEAR FOR MEN, BOYS, WOMEN, AND CHILDREN. GLOBE KNITTING WORKS, Grand Rapids, Mich.
Filed June 23, 1938. Serial No. 407,807. PUBLISHED AUGUST 30, 1938. Class 39.

362,364. COUGH SYRUP. C. N. MCKELVEY, doing business as McKelvey's Pharmacy, Bellaire, Ohio.
Filed June 23, 1938. Serial No. 407,812. PUBLISHED SEPTEMBER 6, 1938. Class 6.

362,365. STRAIGHT BOURBON WHISKEY. POPPER-MORSON CO., INC., Jersey City, N. J.
Filed June 23, 1938. Serial No. 407,813. PUBLISHED SEPTEMBER 6, 1938. Class 49.

362,366. PERIODICAL PUBLICATION. PRODUCTS IN PICTURES, INC., New York, N. Y.
Filed June 23, 1938. Serial No. 407,814. PUBLISHED AUGUST 30, 1938. Class 38.

362,367. POPLIN SUITS FOR MEN AND YOUNG MEN. THE H. A. SEINSHEIMER COMPANY, Cincinnati, Ohio.
Filed June 23, 1938. Serial No. 407,825. PUBLISHED AUGUST 30, 1938. Class 39.

362,368. METAL ELECTRODES AND METAL RODS FOR WELDING AND ARC WELDING. UNA WELDING, INC., Cleveland, Ohio.
Filed June 23, 1938. Serial No. 407,828. PUBLISHED SEPTEMBER 6, 1938. Class 14.

362,369. REFRACTORY BRICK. LACLEDE-CHRISTY CLAY PRODUCTS COMPANY, St. Louis, Mo.
Filed June 23, 1938. Serial No. 407,836. PUBLISHED AUGUST 16, 1938. Class 12.

362,370. LADIES' HANDBAGS. WESTERMAN-ROSENBERG INCORPORATED, New York, N. Y.
Filed June 24, 1938. Serial No. 407,838. PUBLISHED SEPTEMBER 6, 1938. Class 3.

362,371. ANGORA YARN. JULIUS A. WEINBERGER, doing business as The Jawine Company, New York, N. Y.
Filed June 24, 1938. Serial No. 407,839. PUBLISHED AUGUST 30, 1938. Class 43.

362,372. METAL WEATHERSTRIPS. ANDERSEN CORPORATION, Bayport, Minn.
Filed June 24, 1938. Serial No. 407,844. PUBLISHED AUGUST 30, 1938. Class 12.

362,373. MEN'S, WOMEN'S, AND CHILDREN'S SHOES OF LEATHER, FABRIC, COMPOSITIONS, AND COMBINATIONS THEREOF. BROWN SHOE COMPANY, INC., St. Louis, Mo.
Filed June 24, 1938. Serial No. 407,850. PUBLISHED AUGUST 30, 1938. Class 39.

362,374. MONTHLY MAGAZINE. FAWCETT PUBLICATIONS, INC., Greenwich, Conn.
Filed June 24, 1938. Serial No. 407,856. PUBLISHED AUGUST 30, 1938. Class 38.

362,375. MONTHLY MAGAZINE. FAWCETT PUBLICATIONS, INC., Greenwich, Conn.
Filed June 24, 1938. Serial No. 407,857. PUBLISHED AUGUST 30, 1938. Class 38.

362,376. WOMEN'S AND MISSES' SKIRTS, WAISTS, SUITS, COATS, DRESSES, AND PAJAMAS; CHILDREN'S ROMPERS, DRESSES, AND SUITS; MEN'S AND BOYS' SUITS, COATS, AND TROUSERS. LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I., and New York, N. Y.
Filed June 24, 1938. Serial No. 407,869. PUBLISHED AUGUST 23, 1938. Class 39.

362,377. WOMEN'S SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF. TOBER-SAIFER SHOE COMPANY, St. Louis, Mo.
Filed June 24, 1938. Serial No. 407,889. PUBLISHED SEPTEMBER 6, 1938. Class 39.

362,378. PREPARATION FOR SCALP TREATMENT. MARY AND JOSEPH MONTANDON, JR., Newburgh, N. Y.
Filed June 25, 1938. Serial No. 407,912. PUBLISHED AUGUST 30, 1938. Class 6.

362,379. CUMMERBUND OR VEST. SOL SHERMAN, New York, N. Y.
Filed June 25, 1938. Serial No. 407,920. PUBLISHED SEPTEMBER 6, 1938. Class 39.

362,380. BUTTERED AND CANDIED POP CORN. AMERICAN POP CORN COMPANY, Sioux City, Iowa.
Filed June 27, 1938. Serial No. 407,932. PUBLISHED SEPTEMBER 6, 1938. Class 46.

362,381. INK COMPOUNDS. H. D. ROOSEN COMPANY, Brooklyn, N. Y.
Filed June 28, 1938. Serial No. 407,992. PUBLISHED SEPTEMBER 6, 1938. Class 11.

362,382. LADIES' COATS AND SUITS. BECKER CLOAK CO., INC., New York, N. Y.
Filed June 29, 1938. Serial No. 408,003. PUBLISHED AUGUST 23, 1938. Class 39.

362,383. PERIODICAL. WALTER O. DERINGER, doing business as Farm Ideas, Minneapolis, Minn.
Filed June 29, 1938. Serial No. 408,011. PUBLISHED AUGUST 30, 1938. Class 38.

362,384. SOUND CONTROL INSULATION, BUILDING AND RESILIENT MATERIALS. FABRICOUSTIC CO., Los Angeles, Calif.
Filed June 29, 1938. Serial No. 408,014. PUBLISHED AUGUST 30, 1938. Class 12.

362,385. CHILDREN'S AND MISSES' POCKETBOOKS OF LEATHER, FABRIC, AND COMBINATIONS OF SAID MATERIALS. MAX KASNOWITZ & SONS, New York, N. Y.
Filed June 29, 1938. Serial No. 408,023. PUBLISHED AUGUST 30, 1938. Class 3.

362,386. WOMEN'S AND MISSES' BLOUSES, DRESSES, SHIRTS, SKIRTS, CULOTTES, AND PLAYSUITS. LIVINGSTON & LIEBERMAN, New York, N. Y.
Filed June 29, 1938. Serial No. 408,024. PUBLISHED SEPTEMBER 6, 1938. Class 39.

362,387. OVERCOATS OR TOP COATS FOR MEN AND YOUNG MEN. THE H. A. SEINSHEIMER COMPANY, Cincinnati, Ohio.
Filed June 29, 1938. Serial No. 408,031. PUBLISHED AUGUST 23, 1938. Class 39.

362,388. LADIES' AND MISSES' COATS, SUITS, AND COAT AND SUIT COMBINATIONS. TALLY-HO TAILORS, INC., New York, N. Y.
Filed June 29, 1938. Serial No. 408,033. PUBLISHED SEPTEMBER 6, 1938. Class 39.

362,389. HOSIERY. CANNON MILLS COMPANY, Kannapolis, N. C.
Filed June 30, 1938. Serial No. 408,048. PUBLISHED AUGUST 30, 1938. Class 39.

362,390. MAGAZINES ISSUED FROM TIME TO TIME. T. RAY COSTERISAN, doing business as The Police Patrol Publishing Company, Burbank, Calif.
Filed June 30, 1938. Serial No. 408,051. PUBLISHED AUGUST 30, 1938. Class 38.

362,391. NONASTRINGENT HEMATINIC PREPARATION USED FOR ANEMIC CONDITIONS PUT UP IN TABLET AND LIQUID FORMS. THE DRUG PRODUCTS COMPANY, INC., Long Island City, N. Y.
Filed June 30, 1938. Serial No. 408,053. PUBLISHED AUGUST 30, 1938. Class 6.

362,392. FRESH DECIDUOUS FRUITS. APPLES & PEARS, INC., Yakima, Wash.
Filed July 1, 1938. Serial No. 408,081. PUBLISHED SEPTEMBER 6, 1938. Class 46.

362,393. FRESH MELONS. GEORGE G. AVERILL, San Pedro, Calif.
Filed July 1, 1938. Serial No. 408,082. PUBLISHED SEPTEMBER 6, 1938. Class 46.

362,394. BULKING AGENT TO BE ADDED TO POWDERED MALTED MILK TO PRODUCE A HEAVY CREAMY CONSISTENCY WHEN MIXED FOR SODA FOUNTAIN USE. JAMES A. HARPER SUPPLY CO., Kansas City, Mo.
Filed July 1, 1938. Serial No. 408,100. PUBLISHED SEPTEMBER 6, 1938. Class 46.

362,395. KNITTED SWEATERS AND WOMEN'S, MISSES', AND CHILDREN'S KNITTED SUITS. NEW YORK KNITTING MILLS, INC., New York, N. Y.
Filed July 1, 1938. Serial No. 408,127. PUBLISHED SEPTEMBER 6, 1938. Class 39.

362,396. SALT. WORCESTER SALT COMPANY, New York, N. Y.
Filed July 1, 1938. Serial No. 408,143. PUBLISHED SEPTEMBER 6, 1938. Class 46.

362,397. MEN'S SUITS, OVERCOATS, TOPCOATS, RAINCOATS, TUXEDOS, SPORT COATS AND JACKETS, TROUSERS, VESTS, KNICKERBOCKERS, AND SLACKS. BARNEY'S CLOTHES, INC., New York, N. Y.
Filed July 2, 1938. Serial No. 408,149. PUBLISHED AUGUST 30, 1938. Class 39.

362,398. ARTICLES OF COMMERCE COMPRISING A PLURALITY OF RELATED PHOTOGRAPHS BOUND TOGETHER IN A PACKET AND ADAPTED, WHEN VIEWED CONSECUTIVELY IN RAPID SUCCESSION, TO PRESENT THE APPEARANCE OF MOVING PICTURES. GRANT PHOTO CORPORATION, New York, N. Y.
Filed July 2, 1938. Serial No. 408,150. PUBLISHED SEPTEMBER 6, 1938. Class 38.

362,399. BEER. MILLER BREWING COMPANY, Milwaukee, Wis.
Filed July 2, 1938. Serial No. 408,164. PUBLISHED SEPTEMBER 6, 1938. Class 48.

362,400. HANDKERCHIEFS. THE AMERICAN IMPORT COMPANY, San Francisco, Calif.
Filed July 5, 1938. Serial No. 408,182. PUBLISHED SEPTEMBER 6, 1938. Class 39.

362,401. CLEANING FLUID. STANDARD ALCOHOL COMPANY, Wilmington, Del.
Filed July 5, 1938. Serial No. 408,212. PUBLISHED AUGUST 23, 1938. Class 4.

362,402. DEHYDRATED VEGETABLE FOOD PRODUCT FOR HUMAN CONSUMPTION. DR. A. WANDER S. A., Bern, Switzerland.
Filed July 5, 1938. Serial No. 408,222. PUBLISHED SEPTEMBER 6, 1938. Class 46.

362,403. FOUNDATIONS, GIRDLES, AND CORSETS. BULLOCK'S, INC., Los Angeles, Calif.
Filed July 6, 1938. Serial No. 408,232. PUBLISHED SEPTEMBER 6, 1938. Class 39.

362,404. SCOTCH WHISKY. HEDGES & BUTLER, LIMITED, London, England.
Filed July 7, 1938. Serial No. 408,275. PUBLISHED SEPTEMBER 6, 1938. Class 49.

362,405. COOKIES, GINGERBREAD MIX, WAFFLE MIX, AND CHEWING GUM. HUYLER'S, New York, N. Y.
Filed July 7, 1938. Serial No. 408,277. PUBLISHED SEPTEMBER 6, 1938. Class 46.

362,406. MEDICINAL PREPARATION FOR USE IN TREATING HEAD COLDS, MUSCULAR ACHES AND PAINS. J. LEON KAHN, doing business as Tusscaps Laboratories, Washington, D. C.
Filed July 7, 1938. Serial No. 408,278. PUBLISHED SEPTEMBER 6, 1938. Class 6.

362,407. FOOD FLAVORING EXTRACTS. MCCORMICK & COMPANY, INC., Baltimore, Md.
Filed July 7, 1938. Serial No. 408,283. PUBLISHED SEPTEMBER 6, 1938. Class 46

362,408. GAME IN THE NATURE OF A MINIATURE HOCKEY RINK. SIGMUND W. ZABIENEK, Chelsea, Mass.
Filed July 7, 1938. Serial No. 408,294. PUBLISHED SEPTEMBER 6, 1938. Class 22.

362,409. DRESS SHIELDS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed July 8, 1938. Serial No. 408,317. PUBLISHED SEPTEMBER 6, 1938. Class 40.

362,410. DRESS SHIELDS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed July 8, 1938. Serial No. 408,318. PUBLISHED SEPTEMBER 6, 1938. Class 40.

362,411. SHAVING CREAMS. JAMES V. LAMORTE, New York, N. Y.
Filed July 8, 1938. Serial No. 408,319. PUBLISHED SEPTEMBER 6, 1938. Class 4.

362,412. ELECTRIC HORNS FOR USE ON AUTOMOBILES AND OTHER VEHICLES. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed July 8, 1938. Serial No. 408,327. PUBLISHED SEPTEMBER 6, 1938. Class 21.

362,413. WHISKEY. BLAIR DISTILLING COMPANY, St. Francis, Ky.
Filed July 9, 1938. Serial No. 408,339. PUBLISHED SEPTEMBER 6, 1938. Class 49.

362,414. CHILDREN'S PLAY SUITS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed July 9, 1938. Serial No. 408,344. PUBLISHED SEPTEMBER 6, 1938. Class 39.

362,415. MEN'S AND BOYS' OUTER CLOTHING—SPECIFICALLY, SUITS, COATS, AND TROUSERS, AND SPORT JACKETS. LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y.
Filed July 9, 1938. Serial No. 408,349. PUBLISHED SEPTEMBER 6, 1938. Class 39.

362,416. CANDIES. SPITZ-ARNSTEIN & CO., INC., New York, N. Y.
Filed July 9, 1938. Serial No. 408,357. PUBLISHED AUGUST 30, 1938. Class 46.

362,417. NONALCOHOLIC BEVERAGE KNOWN AS PUNCH. VIRGINIA DARE EXTRACT COMPANY, INC., Brooklyn, N. Y.
Filed July 11, 1938. Serial No. 408,376. PUBLISHED SEPTEMBER 6, 1938. Class 45.

362,418. MEN'S TROUSERS. JOSEPH M. HAGGAR, Dallas, Tex.
Filed July 11, 1938. Serial No. 408,383. PUBLISHED SEPTEMBER 6, 1938. Class 39.

362,419. FROZEN CONFECTIONS. JOE LOWE CORPORATION, New York, N. Y.
Filed July 11, 1938. Serial No. 408,391. PUBLISHED SEPTEMBER 6, 1938. Class 46.

362,420. BOURBON WHISKEY. PIONEER ATLAS LIQUOR CO., Chicago, Ill.
Filed July 11, 1938. Serial No. 408,398. PUBLISHED AUGUST 30, 1938. Class 49.

362,421. FRESH CITRUS FRUIT. SANTIAGO ORANGE GROWERS ASSOCIATION, Orange, Calif.
Filed July 11, 1938. Serial No. 408,401. PUBLISHED SEPTEMBER 6, 1938. Class 46.

362,422. RAZOR BLADES. BERG SALES CO., Chicago, Ill.
Filed July 12, 1938. Serial No. 408,414. PUBLISHED SEPTEMBER 6, 1938. Class 23.

362,423. CANDY COATED CHEWING GUM. CLARK BROTHERS CHEWING GUM COMPANY, Pittsburgh, Pa.
Filed July 12, 1938. Serial No. 408,418. PUBLISHED SEPTEMBER 6, 1938. Class 46.

362,424. INSECTICIDES, AND HAIR OIL, PURE GLYCERINE, CASTOR OIL, CONCENTRATED BLUING, AND MINERAL OIL. WILLIAM EDWIN MILLER, doing business as Zip Manufacturing Co., Oklahoma City, Okla.
Filed July 12, 1938. Serial No. 408,431. PUBLISHED SEPTEMBER 6, 1938. Class 6.

362,425. HAND OPERATED TOOLS—NAMELY, AXES, LETTUCE CUTTERS; THISTLE, DOCK, AND WEED CUTTERS, ETC. THE UNION FORK & HOE COMPANY, Columbus, Ohio.
Filed July 12, 1938. Serial No. 408,441. PUBLISHED SEPTEMBER 6, 1938. Class 23.

362,426. CREAM CHEESE. ABBOTTS DAIRIES, INCORPORATED, Philadelphia, Pa.
Filed July 13, 1938. Serial No. 408,444. PUBLISHED AUGUST 30, 1938. Class 46.

362,427. ICE CREAM CONES. MARYLAND BAKING COMPANY, INC., Baltimore, Md.
Filed July 13, 1938. Serial No. 408,467. PUBLISHED AUGUST 30, 1938. Class 46.

362,428. OAK FLOORING. NATIONAL OAK FLOORING MANUFACTURERS ASSOCIATION, Memphis, Tenn.
Filed July 13, 1938. Serial No. 408,470. PUBLISHED SEPTEMBER 6, 1938. Class 12.

362,429. STARCHES FOR LAUNDERING PURPOSES. INDEPENDENT STARCH COMPANY, INC., New York, N. Y.
Filed July 14, 1938. Serial No. 408,502. PUBLISHED SEPTEMBER 6, 1938. Class 6.

362,430. EVAPORATED MILK. ACME MARKETS, INC., Philadelphia, Pa., assignor to American Stores Company, Philadelphia, Pa., a corporation of Delaware.
Filed July 15, 1938. Serial No. 408,525. PUBLISHED AUGUST 30, 1938. Class 46.

362,431. MATTRESSES, BOX SPRINGS, BEDSPRINGS, COTS, COUCHES, GLIDERS, AND PILLOWS. BURTON-DIXIE CORPORATION, Chicago, Ill.
Filed July 15, 1938. Serial No. 408,530. PUBLISHED SEPTEMBER 6, 1938. Class 32.

362,432. READY MIXED PAINTS. GENERAL PAINT CORPORATION, San Francisco, Calif.
Filed July 15, 1938. Serial No. 408,538. PUBLISHED SEPTEMBER 6, 1938. Class 16.

362,433. FLOUR, PARTICULARLY WHEAT FLOUR. THE KANSAS FLOUR MILLS CORPORATION, Kansas City, Mo.
Filed July 15, 1938. Serial No. 408,541. PUBLISHED SEPTEMBER 6, 1938. Class 46.

362,434. METAL PISTON RINGS. THE PERFECT CIRCLE COMPANY, Hagerstown, Ind.
Filed July 15, 1938. Serial No. 408,546. PUBLISHED SEPTEMBER 6, 1938. Class 35.

362,435. METAL PISTON RINGS. THE PERFECT CIRCLE COMPANY, Hagerstown, Ind.
Filed July 15, 1938. Serial No. 408,547. PUBLISHED SEPTEMBER 6, 1938. Class 35.

362,436. LEATHER POCKETBOOKS OR BILL FOLDS. THE BEACH LEATHER COMPANY, Coshocton, Ohio.
Filed July 16, 1938. Serial No. 408,560. PUBLISHED SEPTEMBER 6, 1938. Class 3.

362,437. FILING CABINETS. THE GENERAL FIREPROOFING CO., Youngstown, Ohio.
Filed July 16, 1938. Serial No. 408,569. PUBLISHED SEPTEMBER 6, 1938. Class 32.

362,438. ORANGEWOOD STICKS, NAIL BUFFERS, EMERY BOARDS, NAIL FILES, CUTICLE PUSHERS, CUTICLE SCISSORS, AND CUTICLE KNIVES. COLUMBIA MANICURE MFG. CO., INC., New York, N. Y.
Filed July 18, 1938. Serial No. 408,595. PUBLISHED SEPTEMBER 6, 1938. Class 44.

362,439. PERFUME. LONDON HOUSE, LTD., New York, N. Y.
Filed July 18, 1938. Serial No. 408,608. PUBLISHED SEPTEMBER 6, 1938. Class 6.

362,440. PERFUME. LONDON HOUSE, LTD., New York, N. Y.
Filed July 18, 1938. Serial No. 408,609. PUBLISHED SEPTEMBER 6, 1938. Class 6.

362,441. NONEXPLOSIVE CLEANING SOLVENT FOR GENERAL HOUSEHOLD CLEANING PURPOSES AND HAVING INCIDENTAL DEODORIZING AND MOTH PREVENTATIVE PROPERTIES. GENERAL HOUSEHOLD NECESSITIES CO., Los Angeles, Calif.
Filed July 19, 1938. Serial No. 408,639. PUBLISHED SEPTEMBER 6, 1938. Class 4.

362,442. CARBON PAPERS AND TYPEWRITER RIBBONS. JOHN UNDERWOOD & CO., Brooklyn, N. Y.
Filed July 19, 1938. Serial No. 408,668. PUBLISHED SEPTEMBER 6, 1938. Class 11.

362,443. CARBON PAPERS AND TYPEWRITER RIBBONS. JOHN UNDERWOOD & CO., Brooklyn, N. Y.
Filed July 19, 1938. Serial No. 408,671. PUBLISHED SEPTEMBER 6, 1938. Class 11.

362,444. EMULSIFIED COMBINATION OF WAXES AND FATS FOR TEXTILE FINISHING. HERCULES POWDER COMPANY, Wilmington, Del.
Filed July 20, 1938. Serial No. 408,710. PUBLISHED AUGUST 30, 1938. Class 6.

362,445. SULFONATED HIGH TITRE FATS USED IN THE FINISHING OF TEXTILES. HERCULES POWDER COMPANY, Wilmington, Del.
Filed July 20, 1938. Serial No. 408,712. PUBLISHED AUGUST 30, 1938. Class 6.

362,446. TREATED VEGETABLE OIL USED IN TEXTILE FINISHING. HERCULES POWDER COMPANY, Wilmington, Del.
Filed July 20, 1938. Serial No. 408,713. PUBLISHED AUGUST 30, 1938. Class 6.

362,447. PREPARATION INDICATED FOR THE TREATMENT OF RAW, TICKLING, DRY, IRRITATING THROAT CONDITIONS, COUGHS, SORENESS, AND HOARSENESS ACCOMPANYING COLDS. THE NORWICH PHARMACAL COMPANY, Norwich, N. Y.
Filed July 21, 1938. Serial No. 408,759. PUBLISHED AUGUST 30, 1938. Class 6.

362,448. BELTING. TON-TEX CORPORATION, Grand Rapids, Mich.
Filed July 22, 1938. Serial No. 408,772. PUBLISHED AUGUST 30, 1938. Class 35.

362,449. CARBONATED BEVERAGES. AREN BEVERAGE & SPRING WATER CO., Milwaukee, Wis.
Filed July 22, 1938. Serial No. 408,778. PUBLISHED SEPTEMBER 6, 1938. Class 45.

362,450. WHISKY. JAMES BUCHANAN & COMPANY LIMITED, London, England.
Filed July 22, 1938. Serial No. 408,780. PUBLISHED SEPTEMBER 6, 1938. Class 49.

362,451. INK. ISIDORE H. GILBERT, doing business as Progressive Laboratory Specialties Company, Jamaica, N. Y.
Filed July 22, 1938. Serial No. 408,798. PUBLISHED SEPTEMBER 6, 1938. Class 11.

362,452. MACHINERY PACKINGS OF ALL KINDS, PARTICULARLY PACKINGS MADE OF GLASS YARN FOR USE WHERE ACIDS ARE PRESENT. GREENE, TWEED & CO., New York, N. Y.
Filed July 22, 1938. Serial No. 408,799. PUBLISHED AUGUST 30, 1938. Class 35.

362,453. HAND-OPERATED, KEY-OPERATED, AND ELECTRICALLY OPERATED LOCKING CAPS FOR AUTOMOBILE GASOLINE TANKS. FAITH MFG. CO., Chicago, Ill.
Filed July 25, 1938. Serial No. 408,880. PUBLISHED SEPTEMBER 6, 1938. Class 25.

362,454. REFRIGERATOR DISPLAY CASES. C. V. HILL AND COMPANY, INC., Trenton, N. J.
Filed July 25, 1938. Serial No. 408,884. PUBLISHED AUGUST 30, 1938. Class 31.

362,455. SUNTAN OIL, INSECT REPELLENT PREPARATION. MCKESSON & ROBBINS, INCORPORATED, Bridgeport and Fairfield, Conn.
Filed July 25, 1938. Serial No. 408,890. PUBLISHED SEPTEMBER 6, 1938. Class 6.

362,456. ANESTHETIC. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed July 25, 1938. Serial No. 408,897. PUBLISHED SEPTEMBER 6, 1938. Class 6.

362,457. DOLLS, STUFFED TOYS, CHILDREN'S PLAY FURNITURE, AIRPLANE TOYS, DOLLS' CLOTHING, ETC. JOY DOLL CORPORATION, New York, N. Y.
Filed July 26, 1938. Serial No. 408,921. PUBLISHED SEPTEMBER 6, 1938. Class 22.

362,458. DOLLS, STUFFED TOYS, CHILDREN'S PLAY FURNITURE, AIRPLANE TOYS, DOLLS' CLOTHING, ETC. JOY DOLL CORPORATION, New York, N. Y.
Filed July 26, 1938. Serial No. 408,922. PUBLISHED SEPTEMBER 6, 1938. Class 22.

362,459. DOLLS, STUFFED TOYS, CHILDREN'S PLAY FURNITURE, AIRPLANE TOYS, DOLLS' CLOTHING, ETC. JOY DOLL CORPORATION, New York, N. Y.
Filed July 26, 1938. Serial No. 408,923. PUBLISHED SEPTEMBER 6, 1938. Class 22.

362,460. ANT BAIT FOR USE IN KILLING ANTS. LETHELIN PRODUCTS COMPANY, INC., Wood Ridge, N. J.
Filed July 27, 1938. Serial No. 408,956. PUBLISHED SEPTEMBER 6, 1938. Class 6.

362,461. INSECTICIDE OR PLANT SPRAY FOR KILLING PLANT LICE, LEAF HOPPERS, WHITE FLIES, AND OTHER SUCKING AND CHEWING INSECTS, AND PLANT INSECTS. LETHELIN PRODUCTS COMPANY, INC., Wood Ridge, N. J.
Filed July 27, 1938. Serial No. 408,957. PUBLISHED SEPTEMBER 6, 1938. Class 6.

362,462. TOOTH CLEANING SOLUTION. HOWARD W. THOMAS, Aberdeen, S. Dak.
Filed July 27, 1938. Serial No. 408,974. PUBLISHED SEPTEMBER 6, 1938. Class 6.

362,463. PNEUMATIC TIRES. GRENADIER PRODUCTS INC., New York, N. Y.
Filed July 28, 1938. Serial No. 409,001. PUBLISHED SEPTEMBER 6, 1938. Class 35.

362,464. POWDER TO KILL HEAD, BODY, AND CRAB LICE ON HUMANS AND DOMESTIC ANIMALS AND BIRDS. HAROLD JAMES MURPHY, doing business as Murphy Products Co., Gouverneur, N. Y.
Filed July 28, 1938. Serial No. 409,006. PUBLISHED SEPTEMBER 6, 1938. Class 6.

362,465. PNEUMATIC TIRES AND RETREADED PNEUMATIC TIRES. JAMES C. HEINTZ, doing business as James C. Heintz & Company, Cleveland, Ohio.
Filed July 29, 1938. Serial No. 409,035. PUBLISHED SEPTEMBER 6, 1938. Class 35.

362,466. SHAMPOOS AND HAIR OINTMENTS. J. SCHANZENBACH & CO., INC., New York, N. Y.
Filed July 29, 1938. Serial No. 409,059. PUBLISHED SEPTEMBER 6, 1938. Class 6.

362,467. CHAIRS AND COMBINATION CABINET AND TABLE. UNIQUE FURNITURE MAKERS, a division of The J. C. Spach Wagon Works, Winston-Salem, N. C.
Filed July 29, 1938. Serial No. 409,074. PUBLISHED SEPTEMBER 6, 1938. Class 32.

362,468. MEDICINAL PREPARATION FOR THE RELIEF OF STOMACH DISORDERS DUE TO OVERINDULGENCE IN ALCOHOLIC LIQUORS. WILSON-PAGE CO., Seattle, Wash.
Filed July 29, 1938. Serial No. 409,076. PUBLISHED SEPTEMBER 6, 1938. Class 6.

362,469. NUMBER GAME PLAYED WITH COUPONS. GAM SALES COMPANY, Peoria, Ill.
Filed July 30, 1938. Serial No. 409,093. PUBLISHED SEPTEMBER 6, 1938. Class 22.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

362,470. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALGREEN CO., Chicago, Ill. Filed Oct. 26, 1935. Serial No. 370,846.

Ruffmade

For Candles.
Claims use since Oct. 4, 1915.

362,471. (CLASS 39. CLOTHING.) SPEARE GLOVE COMPANY, Gloversville, N. Y. Filed May 15, 1936. Serial No. 378,506.

SPEARE'S MAKE

For Leather Gloves.
Claims use since 1923.

362,472. (CLASS 39. CLOTHING.) SOL SHERMAN, New York, N. Y. Filed Apr. 16, 1937. Serial No. 391,437.

The

"SLIPON" BOW

The New Sherman Creation

For Ties, Principally Bow Ties for Collar Attached Shirts and Double Collars.
Claims use since January, 1936.

362,473. (CLASS 37. PAPER AND STATIONERY.) STAFFORD-LOWDON COMPANY, Fort Worth, Tex. Filed May 1, 1937. Serial No. 392,169.

TEXAS SAFETY

For Blank Forms for Bank Drafts, Checks, and Negotiable Instruments.
Claims use since Apr. 20, 1937.

362,474. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE RAPID ELECTROTYPE CO., Cincinnati, Ohio. Filed May 13, 1937. Serial No. 392,709.

Magazine

For Matrix or Flong Used in Stereotyping.
Claims use since July 1, 1935.

362,475. (CLASS 12. CONSTRUCTION MATERIALS.) W. R. WRAPE STAVE COMPANY, Little Rock, Ark. Filed June 29, 1937. Serial No. 394,688.

DIXIE BRAND

For Oak Flooring.
Claims use since June 2, 1937.

362,476. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) H & G RESEARCH LABORATORIES, INC., Denver, Colo. Filed July 12, 1937. Serial No. 395,132.

SAF-VUE

For De-icing Solutions for Windshields, Windows, and the Like.
Claims use since Dec. 1, 1936.

362,477. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) EXHAUST FAN & BLOWER CO., New York, N. Y. Filed July 20, 1937. Serial No. 395,448.

PERFECTAIRE

For Electrical Ventilating Fans, Fan and Blower Exhaust Units, Fan Window Ventilators, Blowers, and Parts Thereof, With or Without Lighting Attachments.
Claims use since July 13, 1937.

362,478. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn. Filed July 24, 1937. Serial No. 395,611.

CHASE

For Brass, Copper, and Nonferrous Alloy Sheets, Rods, and Wire, and Silver Solder.
Claims use since Aug. 18, 1928.

362,479. (CLASS 39. CLOTHING.) GEM-DANDY GARTER CO., Madison, N. C. Filed Aug. 2, 1937. Serial No. 395,914.

Lady Madison

For Brassières, Corselets, and Girdles.
Claims use since July 1, 1937.

362,480. (CLASS 39. CLOTHING.) JOHN R. LANKENAU, doing business as Pinfree Mfg. Company, Boston, Mass. Filed Aug. 10, 1937. Serial No. 396,233.

Pinfree

For Children's and Infants' Garments—Namely, Diapers, Diaper Covers, and Underpants, Shirts, and Vests.
Claims use since May 24, 1937.

362,481. (CLASS 39. CLOTHING.) SAMETTE MANUFACTURING CO., Allentown, Pa. Filed Aug. 10, 1937. Serial No. 396,240.

Satin-De-Lovely

For Ladies' Slips.
Claims use since June 15, 1937.

362,482. (CLASS 39. CLOTHING.) FLORENCE C. BARNARD, St. Paul, Minn. Filed Aug. 16, 1937. Serial No. 396,440.

KUMFORTITES

For Ladies' and Children's Slip-On Jackets and Garments for Covering the Lower Portion of the Body and Legs.
Claims use since June 15, 1937.

362,483. (CLASS 39. CLOTHING.) OPPENHEIM, COLLINS & CO. INC., Wilmington, Del.; New York, Brooklyn, and Buffalo, N. Y.; and Philadelphia, Pa. Filed Aug. 17, 1937. Serial No. 396,505.

Satin Suede

For Fabric and Leather Gloves, Shoes, and Slippers Made From Fabric and Leather and Combinations Thereof; Belts for Outer Wear; Hats, Sport Jackets, Skirts, Coats, and Suits for Women and Children.
Claims use since Aug. 10, 1937.

362,484. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PROFESSIONAL LABORATORIES, INC., New York, N. Y. Filed Aug. 18, 1937. Serial No. 396,546.

TRI-LACTIC

For Brand of Lactic Acid.
Claims use since July 27, 1937.

362,485. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) HERMANN NIER, Beierfeld, Germany. Filed Aug. 26, 1937. Serial No. 396,779.

MEDIUM

For Oil, Gas, and Vapor Burning Hurricane Lamps and Parts Thereof, and Oil Burning, Riding, Running, and Marine Lamps.
Claims use since June 4, 1937.

362,486. (CLASS 39. CLOTHING.) HENRY POLLAK, INC., New York, N. Y. Filed Aug. 26, 1937. Serial No. 396,784.

SELKIRK

For Hat Bodies and Hats for Women and Children.
Claims use since July 30, 1937.

362,487. (CLASS 48. MALT BEVERAGES AND LIQUORS.) SOUTHERN BREWING COMPANY, Tampa, Fla. Filed Sept. 21, 1937. Serial No. 397,623.

OLD TAMPA

For Beer and Ale.
Claims use since Apr. 1, 1937.

362,488. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE GLEMBY COMPANY, INC., New York, N. Y. Filed Oct. 2, 1937. Serial No. 398,042.

Lorraine

For Hair Roll Foundations—Namely, Roll and Puff Foundations for Ladies' Hair.
Claims use since Sept. 29, 1937.

362,489. (CLASS 39. CLOTHING.) GOODALL RUBBER COMPANY, INCORPORATED, Philadelphia, Pa. Filed Oct. 5, 1937. Serial No. 398,156.

TOE SAVER

For Boots Made of Rubber.
Claims use since Sept. 22, 1937.

362,490. (CLASS 27. HOROLOGICAL INSTRUMENTS.) MANRICO SUTTER, New York, N. Y. Filed Oct. 7, 1937. Serial No. 398,267.

HIALEAH

For Watches, Watchcases, Watch Parts, Watch Movements, and Watch Bracelets Sold as a Unit With the Watch.
Claims use since Sept. 8, 1937.

362,491. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA CONSUMERS CORPORATION, Los Angeles, Calif. Filed Oct. 12, 1937. Serial No. 398,387.

FROprimeZ-N

For Frozen Fruits and Frozen Vegetables.
Claims use since Sept. 9, 1937.

362,492. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA CONSUMERS CORPORATION, Los Angeles, Calif. Filed Oct. 12, 1937. Serial No. 398,388.

FROpureZ-N

For Frozen Fruit Juices.
Claims use since Sept. 9, 1937.

362,493. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA CONSUMERS CORPORATION, Los Angeles, Calif. Filed Oct. 12, 1937. Serial No. 398,389.

FROtruZ-N

For Frozen Fruit Juices, Frozen Fruits, and Frozen Vegetables.
Claims use since Sept. 9, 1937.

362,494. (CLASS 37. PAPER AND STATIONERY.) GRAHAM PAPER COMPANY, St. Louis, Mo. Filed Oct. 13, 1937. Serial No. 398,429.

COPYCOTE

For Printing and Writing Paper.
Claims use since Sept. 16, 1937.

362,495. (CLASS 39. CLOTHING.) HARRY JAY DUBNER, doing business as Stout Control Foundations, New York, N. Y. Filed Oct. 14, 1937. Serial No. 398,465.

Stout Control

For Foundation Garments—Namely, Corsets, Girdles, Corselets, and Brassières.
Claims use since Aug. 25, 1937.

362,496. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W & S PACKING COMPANY, Salinas, Calif. Filed Oct. 25, 1937. Serial No. 398,980.

UNSURPASSED
BRAND

CALIFORNIA
ICEBERG
LETTUCE

For Fresh Vegetables—Namely, Lettuce.
Claims use since Oct. 1, 1937.

362,497. (CLASS 39. CLOTHING.) KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Filed Oct. 28, 1937. Serial No. 399,046.

KAUFMANN'S
Carnegie Twist
PITTSBURGH

For Men's Clothing and Furnishings Comprising Suits, Overcoats, Hats, Caps; Shoes of Leather, Rubber, or Fabric; Hosiery, Dress Shirts, Negligee Shirts, Work Shirts, Undershirts and Drawers, Pajamas, Bathing Suits, Sweaters, Neckties, Scarfs, Gloves of Leather or Fabric, Suspenders, and Hose Supporters.
Claims use since Oct. 1, 1937.

362,498. (CLASS 39. CLOTHING.) COMMONWEALTH SHOE AND LEATHER COMPANY, Whitman, Mass. Filed Nov. 4, 1937. Serial No. 399,290.

SNUG
ANKLE

For Men's Shoes of Leather, Rubber, Fabric, or Combinations Thereof.
Claims use since Sept. 1, 1937.

362,499. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GIBSON CANNING COMPANY, Gibson City, Ill. Filed Nov. 4, 1937. Serial No. 399,298.

GIBSON
Mexican Style Beans
IN CHILI GRAVY

For Mexican Style Beans in Chili Gravy.
Claims use since Sept. 9, 1937.

362,500. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) THE ILLINOIS CLAY PRODUCTS CO., Joliet, Ill. Filed Nov. 4, 1937. Serial No. 399,301.

COALOID

For Foundry Molding Sand Ingredient.
Claims use since July 25, 1937.

362,501. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WOLVERINE PRODUCTS, INC., Detroit, Mich. Filed Nov. 26, 1937. Serial No. 400,177.

DIGESTS

For Mints for Heartburn and Gas Due to Excessive Acidity.
Claims use since Oct. 1, 1937.

362,502. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RENEE THORNTON, New York, N. Y. Filed Dec. 4, 1937. Serial No. 400,477.

Meadow Sweet

For Body Tonics for External Use, Toilet Waters, and Skin Lotions and Fresheners.
Claims use since Sept. 28, 1937.

362,503. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN F. AMBROSE, Charles Town, W. Va. Filed Dec. 10, 1937. Serial No. 400,673.

Ambrose
"AA"

For Fresh Apples.
Claims use since Oct. 14, 1937.

362,504. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THOMPSON PRODUCTS INCORPORATED, Cleveland, Ohio. Filed Jan. 27, 1938. Serial No. 402,390.

DUAL BEARING

For Tie Rods and Tie Rod Parts Used in the Construction of Automotive Vehicles.
Claims use since February, 1937.

362,505. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) WILBUR SWEETNAM, Peoria, Ill. Filed Jan. 31, 1938. Serial No. 402,543.

PERFECTION

For Tank Type Water Softeners.
Claims use since Aug. 18, 1937.

362,506. (CLASS 39. CLOTHING.) SAMUEL WEINSTAT, New York, N. Y. Filed Feb. 26, 1938. Serial No. 403,484.

MANNEQUIN
MODELS
by Weinstat

For Ladies', Misses', and Children's Shoes Made of Leather, Fabric, and Combinations Thereof.
Claims use since July, 1937.

362,507. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KOBACKER STORES, INC., TIEDTKE DIVISION, Toledo, Ohio. Filed Mar. 18. 1938. Serial No. 404,221.

Tiedtkes
Breakfast Blend

For Coffee.
Claims use since Jan. 1, 1912.

362,508. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) WEST VIRGINIA COAL & COKE CORPORATION, Cincinnati, Ohio. Filed Apr. 1, 1938. Serial No. 404,786.

CHESTERFIELD

For Coal.
Claims use since Dec. 21, 1936.

362,509. (CLASS 47. WINES.) WALL STREET LIQUOR CORP., New York, N. Y. Filed Apr. 11, 1938. Serial No. 405,144.

LAVITA

For Wines.
Claims use since August, 1934.

362,510. (CLASS 39. CLOTHING.) HATTIE CARNEGIE, INC., New York, N. Y. Filed May 10, 1938. Serial No. 406,174.

Hattie Carnegie

For Wearing Apparel for Women and Children—Namely, Gowns, Dresses, Hats, Coats, Suits, Wraps, Raincoats, Blouses; Gloves Made of Leather, Fabric, and Rubber; Scarfs, Handkerchiefs, Hosiery, Negligees, Pajamas, Slips, Underwear, Underdrawers, Panties, Undershorts, Bloomers, Chemises, Petticoats, Brassières and Girdles; Sports Wear—Namely, Hats, Caps, Suits, Beach Dresses, Beach Shorts, Bathing Suits, Beach Robes, Sweaters, Slacks, and Outer Shorts; and Fur Garments—Namely, Coats, Capes, Scarfs, Wraps and Muffs.
Claims use since Jan. 1, 1919.

362,511. (CLASS 39. CLOTHING.) MAX KLEINFELD, doing business as Kay Shoe Co., New York, N. Y. Filed May 24, 1938. Serial No. 406,684.

C. H. Martin

For Men's, Women's, and Children's Shoes Made of Leather, Rubber, or Fabric, or Combinations Thereof.
Claims use since May, 1937.

362,512. (CLASS 39. CLOTHING.) H. ROSENSTOCK & SON, Ellenville, N. Y. Filed June 11, 1938. Serial No. 407,388.

Dawdy Duds

For Infants' Creepers, Bobby Suits for Children from One to Three Years of Age, Wash Suits for Boys from Two to Ten Years of Age, Dresses for Children from Two to Fourteen Years of Age, and Children's Shirts and Underwear, All Made of Cottons, Silks, Rayons, and Woollens.
Claims use since Nov. 5, 1935.

362,513. (CLASS 39. CLOTHING.) KRESGE DEPARTMENT STORES, INC., Newark, N. J. and Washington, D. C. Filed June 17, 1938. Serial No. 407,593.

Lady Washington

For Corsets.
Claims use since Nov. 11, 1929.

362,514. (CLASS 39. CLOTHING.) NEW PROCESS COMPANY, Warren, Pa. Filed June 24, 1938. Serial No. 407,880.

LONGWEAR

For Men's Outer Garments—Namely, Topcoats.
Claims use since Mar. 18, 1937.

362,515. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE LINCOLN ELECTRIC COMPANY, Cleveland, Ohio. Filed June 27, 1938. Serial No. 407,954.

TOOLWELD

For Metallic Welding Electrodes.
Claims use since Jan. 26, 1935.

362,516. (CLASS 39. CLOTHING.) ALANSON HATS INC., New York, N. Y. Filed June 28, 1938. Serial No. 407,968.

Langella

For Men's, Women's, and Children's Hats.
Claims use since January, 1936.

362,517. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KORINEK REMEDY COMPANY, Stayton, Oreg. Filed July 23, 1938. Serial No. 408,846.

DR. KORINEK'S

For Veterinary Preparations—Namely, for the Relief of Colic in Animals; Wax Dilators for Keeping Open the Milk Tract of Cows; Medicinal Preparations for Treatment of Indigestion in Horses, Cattle, Sheep and Goats; Fly Spray; Udder Balm for Cows' Teats and Udders; Sheep and Hog Tonics; Preparations for Removing Worms in Dogs and Foxes; Preparations for Expelling Tape Worms in Poultry; Disinfectants; Insecticides; Laxatives for Animals; Vermifuges; Inhalant Sprays for Poultry; Ointments for Teats and Udders of Cows; Mineralized Tonic for Poultry; Intestinal Astringent for Calves, Pigs, Colts, Lambs, and Goats; Lice Powder; Medicated Stock Tonic for Horses, Cattle, Hogs, and Sheep; Preparations for Improving Physical Condition of Cows; Preparations for Ear Canker in Dogs, Foxes, and Rabbits; Preparations for Relief of Blackheads in Turkeys; Mineralized Tonic for Cows.
Claims use since May 1, 1913.

362,518. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LETHELIN PRODUCTS COMPANY, INC., Wood Ridge, N. J. Filed July 27, 1938. Serial No. 408,955.

BORERKIL

For Plant Spray, Fumigant for Poultry Roosts, and for Killing Borers.
Claims use since March, 1935.

362,519. (CLASS 48. MALT BEVERAGES AND LIQUORS.) HORLACHER BREWING COMPANY, Allentown, Pa. Filed Sept. 2, 1938. Serial No. 410,225.

Horlacher's

For Beer, Ale, and Porter.
Claims use since 1905.

362,520. (CLASS 39. CLOTHING.) GOLDMAN FROCK CO., INC., New York, N. Y. Filed Sept. 15, 1938. Serial No. 410,586.

Beverly Blake

For Women's and Misses' Dresses.
Claims use since May 24, 1936.

362,521. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALBERT G. WISWELL, doing business, as Medicus Laboratories Distributors, Arlington, Va. Filed Sept. 22, 1938. Serial No. 410,874.

MEDICUS

For Medicinal Tablets Used to Relieve Pain and Discomfort in Simple Headache, Head Colds, and Pain after Tooth Extraction.
Claims use since Jan. 1, 1930.

TRADE-MARK REGISTRATIONS RENEWED

122,664. CERTAIN NAMED FOODS. Registered September 10, 1918. ABRAHAM & STRAUS. Renewed September 10, 1938, to Abraham & Straus, Inc., Brooklyn, N. Y., a corporation of New York, assignee.

123,085. SASH-PUTTIES. Registered October 15, 1918. WILLIAM T. BAKER INC. Renewed October 15, 1938, to Baker Paint & Varnish Co., Jersey City, N. J., a corporation of New Jersey, successor.

123,086. SASH-PUTTIES. Registered October 15, 1918. WILLIAM T. BAKER INC. Renewed October 15, 1938, to Baker Paint & Varnish Co., Jersey City, N. J., a corporation of New Jersey, successor.

123,132. CANNED CORN AND RED BEANS, CANNED RED KIDNEY-BEANS, AND CANNED PORK AND BEANS. Registered October 15, 1918. INDERRIEDEN CANNING CO. Renewed October 15, 1938, to The J. B. Inderrieden Company, Chicago, Ill., a corporation of Illinois, assignee.

123,163. MATTRESSES. Registered October 15, 1918. SEALY MATTRESS CO., Sugar Land, Tex. Renewed October 15, 1938, to Sealy, Incorporated, North Side Pittsburgh, Pa., a corporation of Delaware, assignee by mesne assignments.

123,200. THERMOMETERS, BAROMETERS, AND RAIN-GAGES. Registered October 22, 1918. THE CHANEY MANUFACTURING COMPANY, Springfield, Ohio, a corporation of Ohio. Renewed October 22, 1938.

123,354. CERTAIN NAMED CANNED GOODS. Registered October 29, 1918. INDERRIEDEN CANNING CO. Renewed October 29, 1938, to The J. B. Inderrieden Company, Chicago, Ill., a corporation of Illinois, assignee.

124,140. STAINS FOR MORTARS AND CEMENT TO BE MIXED WITH THE GOODS BEFORE APPLICATION. Registered January 14, 1919. PECORA PAINT COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed January 14, 1939.

124,263. MEN'S UNION-SUITS. Registered January 28, 1919. SEGAL BROTHERS. Renewed January 28, 1939, to Seegull Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania, assignee.

124,729. COTTON PIECE GOODS COMPRISING SHEETINGS AND SHIRTINGS. Registered March 11, 1919. B. B. & R. KNIGHT. Renewed March 11, 1939, to Fruit of the Loom, Inc., Providence, R. I., a corporation of Rhode Island, assignee by mesne assignments.

124,730. COTTON PIECE GOODS COMPRISING SHEETINGS AND SHIRTINGS. Registered March 11, 1919. B. B. & R. KNIGHT. Renewed March 11, 1939, to Fruit of the Loom, Inc., Providence, R. I., a corporation of Rhode Island, assignee by mesne assignments.

124,731. COTTON PIECE GOODS COMPRISING SHEETINGS AND SHIRTINGS. Registered March 11, 1919. B. B. & R. KNIGHT. Renewed March 11, 1939, to Fruit of the Loom, Inc., Providence, R. I., a corporation of Rhode Island, assignee by mesne assignments.

124,732. COTTON PIECE GOODS COMPRISING SHEETINGS AND SHIRTINGS. Registered March 11, 1919. B. B. & R. KNIGHT. Renewed March 11, 1939, to Fruit of the Loom, Inc., Providence, R. I., a corporation of Rhode Island, assignee by mesne assignments.

124,733. COTTON PIECE GOODS COMPRISING SHEETINGS AND SHIRTINGS. Registered March 11, 1919. B. B. & R. KNIGHT. Renewed March 11, 1939, to Fruit of the Loom, Inc., Providence, R. I., a corporation of Rhode Island, assignee by mesne assignments.

124,874. ORANGES IN FRESH OR NATURAL CONDITION. Registered March 18, 1919. PLACENTIA MUTUAL ORANGE ASSOCIATION, Placentia, Calif., a corporation of California. Renewed March 18, 1939.

124,910. COFFEE. Registered March 18, 1919. THE WEIDMAN COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed March 18, 1939.

124,940. WHEAT-FLOUR. Registered March 25, 1919. SPERRY FLOUR COMPANY, San Francisco, Calif. Renewed March 25, 1939, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee by mesne assignments.

124,994. ICE-SKATES. Registered April 1, 1919. SHAPLEIGH HARDWARE COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed April 1, 1939.

124,995. CERTAIN NAMED MEASURING AND SCIENTIFIC APPLIANCES. Registered April 1, 1919. SHAPLEIGH HARDWARE COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed April 1, 1939.

125,047. CHEWING-GUM AND A PRODUCT THEREOF COMPRISING A CHEWING-GUM BODY COVERED WITH CANDY. Registered April 8, 1919. FRANK H. FLEER CORPORATION, Philadelphia, Pa., a corporation of Delaware. Renewed April 8, 1939.

125,110. CAKES. Registered April 8, 1919. WARD BAKING COMPANY, New York, N. Y., a corporation of New York. Renewed April 8, 1939.

LABELS

REGISTERED NOVEMBER 15, 1938

52,065.—*Title:* BEECH-NUT COCKTAILETTES WITH CHEESE. For Biscuits. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published October 6, 1938.

52,066.—*Title:* BEECH-NUT RUMMIES. For Candy Drops. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published June 11, 1937.

52,067.—*Title:* BEECH-NUT BISCUIT ASSORTMENT. For Biscuits. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published September 7, 1938.

52,068.—*Title:* RED HORSE OLD FASHIONED CRYSTALLIZED ROCK AND RYE. For Rock and Rye. D. J. BIELZOFF PRODUCTS CO., Chicago, Ill. Published October 11, 1938.

52,069.—*Title:* CALIFORNIA PRIDE. For California Muscatel Wine. CALIFORNIA WINE COMPANY, INC., Chicago, Ill. Published February 23, 1938.

52,070.—*Title:* ROUND THE WORLD MIXTURE. For Smoking Tobacco. CAVALLA TOBACCO COMPANY, Milwaukee, Wis. Published September 27, 1938.

52,071.—*Title:* FINE FOOTWEAR. For Footwear. A. C. CLAYTON PRINTING CO., St. Louis, Mo. Published October 12, 1938.

52,072.—*Title:* EXCLUSIVE FOOTWEAR. For Footwear. A. C. CLAYTON PRINTING CO., St. Louis, Mo. Published June 29, 1935.

52,073.—*Title:* WOMEN'S FULL FASHIONED HOSIERY. For Women's Full Fashioned Hosiery. BEATRICE COBB, doing business as The News-Herald, Morganton, N. C. Published August 10, 1938.

52,074.—*Title:* ALT HEIDELBERG BRAND PREMIUM PALE BEER. For Beer. COLUMBIA BREWERIES, INC., Tacoma, Wash. Published October 11, 1938.

52,075.—*Title:* COLUMBIA EXPORT BEER. For Beer. COLUMBIA BREWERIES, INC., Tacoma, Wash. Published September 15, 1938.

52,076.—*Title:* SYLVAN. For Chocolates. DAGGETT CHOCOLATE COMPANY, Cambridge, Mass. Published February 21, 1938.

52,077.—*Title:* EATA BITA. For Popcorn. EATA BITA POPCORN CO., Emporia, Kans. Published September 8, 1938.

52,078.—*Title:* CLEO-X. For a Bleaching and Cleaning Compound. ABRAHAM ELFENBEIN, doing business as Elfe Chemical Company and Blue Ribbon Packing Co., New York, N. Y. Published September 26, 1938.

52,079.—*Title:* KENTUCKY WISDOM. For Kentucky Straight Bourbon Whiskey. FAIRFIELD DISTILLERY, INCORPORATED, Bardstown, Ky. Published August 2, 1938.

52,080.—*Title:* EGSHEEN WALL FINISH (LIGHT REFLECTING). For a Wall Finish. FINNAREN AND HALEY, INCORPORATED, Philadelphia, Pa. Published September 27, 1938.

52,081.—*Title:* F '87' H QUICK LEVELING ENAMEL. For Enamel. FINNAREN AND HALEY, INCORPORATED, Philadelphia, Pa. Published September 27, 1938.

52,082.—*Title:* MRS. STEWART'S CONCENTRATED LIQUID BLUING, FOUR OUNCE. For Concentrated Liquid Bluing. LUTHER FORD & COMPANY, Minneapolis, Minn. Published July 30, 1938.

52,083.—*Title:* MRS. STEWART'S CONCENTRATED LIQUID BLUING, TEN OUNCE. For Concentrated Liquid Bluing. LUTHER FORD & COMPANY, Minneapolis, Minn. Published July 30, 1938.

52,084.—*Title:* FORT CLARK. For Straight Bourbon Whiskey. FORT CLARK CORPORATION, Peoria, Ill. Published October 1, 1938.

52,085.—*Title:* BETTER TOAST. For Bread. CHARTON C. FRANTZ, doing business as The Frantz Company, Pittsburgh, Pa. Published September 15, 1938.

52,086.—*Title:* FRANTZ BREAD, FORMULA 107. For Bread. CHARTON C. FRANTZ, doing business as The Frantz Company, Pittsburgh, Pa. Published October 17, 1938.

52,087.—*Title:* DIXIE DELIGHT SELF-RISING PANCAKE FLOUR WAFFLE FLOUR. For Pancake Flour and Waffle Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published September 26, 1938.

52,088.—*Title:* RYBALL PALE DRY. For Pale Dry Ginger Ale. GINGER LABORATORIES, INC., New York, N. Y. Published November 22, 1937.

52,089.—*Title:* GODCHAUX'S (PAPER BAG). For Sugar. GODCHAUX SUGARS, INC., New Orleans, La. Published June 17, 1938.

52,090.—*Title:* GODCHAUX'S (CLOTH BAG). For Sugar. GODCHAUX SUGARS, INC., New Orleans, La. Published April 15, 1938.

52,091.—*Title:* CHIP CHOP. For Peanut Butter with Fragments of Toasted Peanuts Added. GOOD FOODS, INCORPORATED, Minneapolis, Minn. Published October 1, 1937.

52,092.—*Title:* L'ART DILL PICKLES. For Canned Dill Pickles. GREEN BAY FOOD CO., Green Bay, Wis. Published May 7, 1938.

52,093.—*Title:* DUTCH BOY BREAD. For Bread. HOLLAND FEDERAL BAKING CO., Holland, Mich. Published October 6, 1938.

52,094.—*Title:* HOOSIER STANDARD TOMATOES. For Canned Tomatoes. INDIANA CANNERS ASSOCIATION, INC., Indianapolis, Ind. Published September 6, 1938.

52,095.—*Title:* SEAL OF QUALITY HOOSIER TOMATOES. For Canned Tomatoes. INDIANA CANNERS ASSOCIATION, INC., Indianapolis, Ind. Published September 6, 1938.

52,096.—*Title:* MARKWELL RFL STAPLES. For Staples. MARKWELL MFG. CO., INC., New York, N. Y. Published October 3, 1938.

52,097.—*Title:* GULF BRAND. For Baby Rollmops. MAXENA CO., Baltimore, Md. Published September 19, 1938.

52,098.—*Title:* MEADOLAKE OLEOMARGARINE. For Oleomargarine. MEADOLAKE FOODS, INC., Sherman, Tex. Published October 10, 1938.

52,099.—*Title:* MONARCH (SILVER & RED LABEL). For Beer. MONARCH BREWING COMPANY, Chicago, Ill. Published August 15, 1938.

52,100.—*Title:* NANNETTE TODDLER FROCKS. For Frocks. NANNETTE MANUFACTURING COMPANY, Philadelphia, Pa. Published October 5, 1938.

52,101.—*Title:* SUGAR GLEN. For Molasses and Corn Syrup. PENICK & FORD, LTD. INC., New York, N. Y. Published September 27, 1938.

52,102.—*Title:* AIR-VENT ELECTRIC MIXER SLIP COVER. For Covers for Electric Mixers. ARNO REINHOLD, doing business as Reinhold Company, Cleveland, Ohio. Published September 17, 1938.

52,103.—*Title:* AIR-VENT PROTECTO FOOD CONTAINER. For Food Container Bags. ARNO REINHOLD, doing business as Reinhold Company, Cleveland, Ohio. Published September 17, 1938.

52,104.—*Title:* ELEC-TREX. For an Insect Spray. REX RESEARCH CORPORATION, Toledo, Ohio. Published October 14, 1938.

52,105.—*Title:* COFFEE. For Coffee. THOMAS M. ROYAL & COMPANY, Philadelphia, Pa. Published September 1, 1938.

52,106.—*Title:* COFFEE. For Coffee. THOMAS M. ROYAL & COMPANY, Philadelphia, Pa. Published September 1, 1938.

52,107.—*Title:* COFFEE. For Coffee. THOMAS M. ROYAL & COMPANY, Philadelphia, Pa. Published September 1, 1938.

52,108.—*Title:* COFFEE. For Coffee. THOMAS M. ROYAL & COMPANY, Philadelphia, Pa. Published September 1, 1938.

52,109.—*Title:* COFFEE. For Coffee. THOMAS M. ROYAL & COMPANY, Philadelphia, Pa. Published September 1, 1938.

52,110.—*Title:* COFFEE. For Coffee. THOMAS M. ROYAL & COMPANY, Philadelphia, Pa. Published September 1, 1938.

52,111.—*Title:* SAMUELS FOUR DECADES BRAND. For Kentucky Straight Bourbon Whiskey. T. W. SAMUELS DISTILLERY, INC., Deatsville, Ky. Published June 25, 1938.

52,112.—*Title:* WALDORF TOWELS. For Paper Towels. SCOTT PAPER COMPANY, Chester, Pa. Published September 3, 1938.

52,113.—*Title:* SCOTTISSUE TOWELS. For Paper Towels. SCOTT PAPER COMPANY, Chester, Pa. Published September 7, 1938.

52,114.—*Title:* BUFFALO BRAND. For Peaches. GEO. F. SEIBERLING, J. THOS. SCHANTZ, AND NOLAN P. BENNER, TRUSTEES OF THE ESTATE OF HARRY C. TREXLER, DECEASED, doing business as Trexler Farms Division of the Estate of Harry C. Trexler, Allentown, Pa. Published August 31, 1938.

52,115.—*Title:* SPARK WHIPS. For Nitrous Oxide Filled Bulbs. SPARKLETS CORPORATION, New York, N. Y. Published June 14, 1938.

52,116.—*Title:* CHASE AND SANBORN. For Coffee. STANDARD BRANDS INCORPORATED, New York, N. Y. Published September 7, 1938.

52,117.—*Title:* THORO CLEEN. For a Solution for Cleaning Auto Radiators and Toilet Bowls. STANDARD INDUSTRIAL PRODUCTS, INC., Evansville, Ind. Published September 1, 1938.

52,118.—*Title:* JOHN SUNSHINE PIPE JOINT COMPOUND. For Pipe Joint Compound. JOHN SUNSHINE CHEMICAL CO., INC., Chicago, Ill. Published February 1, 1936.

52,119.—*Title:* MAGIC. For a Cleaning and Washing Compound. THE C. I. TOGSTAD COMPANY, Kokomo, Ind. Published March 20, 1938.

52,120.—*Title:* MARIET. For Toilet Preparations. THE C. I. TOGSTAD COMPANY, Kokomo, Ind. Published January 15, 1938.

52,121.—*Title:* APEX VITALIZED POPT CORN. For Canned Popped Corn. AHN DALLAGER TOWNE, La Feria, Tex. Published August 12, 1938.

PRINTS

REGISTERED NOVEMBER 15, 1938

17,115.—*Title:* EAT CANDY. For Candy and Nuts. AWFUL FRESH MACFARLANE, Oakland, San Francisco, and Berkeley, Calif. Published October 7, 1938.

17,116.—*Title:* BEECHIES. For Chewing Gum. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published January 13, 1937.

17,117.—*Title:* BURGESS FLASHLIGHTS. For Flashlights. BURGESS BATTERY COMPANY, Freeport, Ill. Published August 29, 1938.

17,118.—*Title:* GRID HERO OF 1950. For Wheat Breakfast Food. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn. Published October 1, 1938.

17,119.—*Title:* PRESENTING DREWRYS 'POP' CAP. For Ale and Beer. DREWRYS LIMITED U. S. A., INC., South Bend, Ind. Published October 10, 1938.

17,120.—*Title:* THESE SAMPLES WERE SPRINKLED WITH WATER AND LEFT TO DRY (DISPLAY). For a Glass Substitute. FLEX-O-GLASS MFG. CO., Chicago, Ill. Published October 1, 1938.

17,121.—*Title:* MOTHER HERE'S THAT NEW UNCOOKED "HEAT-ENERGY" BREAKFAST. For Cereal Food. GENERAL MILLS, INC., Minneapolis, Minn. Published October 15, 1938.

17,122.—*Title:* GIFTS FROM YOUR JEWELER ARE GIFTS AT THEIR BEST. For Jewelry. THE GRUEN WATCH COMPANY, Cincinnati and Time Hill, Cincinnati, Ohio. Published August 1, 1938.

17,123.—*Title:* A-TISKET A-TASKET. For Artificial Flowers and Baskets Therefor. KAPLAN BROS., New York, N. Y. Published September 15, 1938.

17,124.—*Title:* PARKE-DAVIS VITAMIN PRODUCTS—KNOW THE MAKER OF YOUR VITAMINS. For Vitamin Products. PARKE, DAVIS & COMPANY, Detroit, Mich. Published August 20, 1938.

17,125.—*Title:* BURTON HOLMES BRINGS BACK THE CHARM OF DISTANT LANDS WITH THE PEN THAT HAS WHAT IT TAKES. For Fountain Pens, Mechanical Pencils, and Ink. THE PARKER PEN COMPANY, Janesville, Wis. Published October 15, 1938.

17,126.—*Title:* COME IN AND GAS WITH US WE'RE JUST HOME FOLKS! For Gasoline. GEORGE F. RENKING, Evansville, Ind. Published September 21, 1938.

17,127.—*Title:* OIL'S WELL. For Gasoline and Motor Oil. HERMAN ROSENHEIM, Miami, Fla. Published June 2, 1938.

17,128.—*Title:* JOHN SUNSHINE PIPE JOINT COMPOUND. For Pipe Joint Compound. JOHN SUNSHINE CHEMICAL CO., INC., Chicago, Ill. Published February 1, 1936.

17,129.—*Title:* DR. K. VOLZ, PIPE STERILIZER. For Pipe Sterilizers. KURT VOLZ, doing business as Pipe Sterilizer Mfg. Co., Atlanta, Ga. Published September 16, 1938.

REISSUES

NOVEMBER 15, 1938

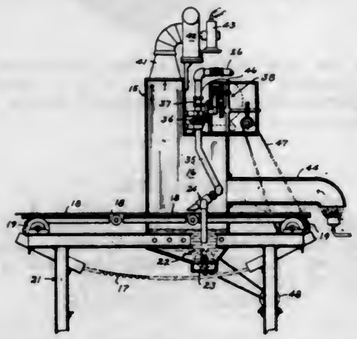
20,914

FILE SHARPENING METHOD AND APPARATUS

Earle M. Aitken, Saugus, Calif., assignor, by direct and mesne assignments, of one-third to James Catto, Oakland, Calif., one-third to John M. MacPherson, Berkeley, Calif., and one-third to J. R. Wood, Los Angeles, Calif.

Original No. 1,907,196, dated May 2, 1933, Serial No. 489,786, October 20, 1930. Application for reissue July 23, 1935, Serial No. 32,775

13 Claims. (Cl. 51—10)



2. In file sharpening apparatus, a nozzle for delivering a sand blast against a file for grinding the back surfaces of the file teeth to restore the cutting edges thereof, said nozzle formed to provide a stream of varying density in its section.

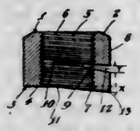
20,915

SELF-LOCKING NUT

William A. Bergstrom, Chicago, Ill., assignor to Renchtite Spring Nut Company, a corporation of California

Original No. 1,861,833, dated June 7, 1932. Serial No. 513,877, February 6, 1931. Application for reissue October 14, 1937, Serial No. 169,051

5 Claims. (Cl. 151—21)



1. A self locking nut comprising a nut body formed of a single piece of resilient material having a lateral slot extending partially therethrough and spaced a substantial distance from the lower face thereof to form a body portion and a relatively heavy leaf spring portion normally deflected downwardly, a bore extending longitudinally through said body and leaf portions, a thread in said bore extending in continuous alinement through both said body portion and said leaf portion to engage a threaded element of a work piece to which the nut is to be applied, said leaf portion having axial distortion solely by abutment against said work piece when said nut is applied to disaline the threads of said body portion and said leaf portion respectively, and movable by its spring action to substantially its initial position to realine the threads when said nut is moved out of said abutting relation.

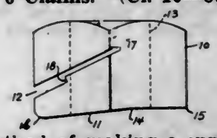
20,916

METHOD OF MAKING SPRING LOCK NUTS

William A. Bergstrom, Chicago, Ill., assignor to Renchtite Spring Nut Company, San Francisco, Calif., a corporation of California

Original No. 2,035,859, dated March 31, 1936, Serial No. 23,629, May 27, 1935. Application for reissue October 14, 1937, Serial No. 169,075

6 Claims. (Cl. 10—86)



1. The method of making a spring nut which consists in first utilizing for this purpose a bar of steel of a strong, tough, free milling nature containing about 0.4% to 0.6% carbon, then hot-forging the bar to the desired shape of the nut and forming the nut blank, then slotting the nut blank and subsequently thereto tapping the nut blank, and finally hardening the nut by a heating, drawing and quenching operation to a degree equivalent to a Brinell hardness test which lies within a range comprising the range of 255 to 302.

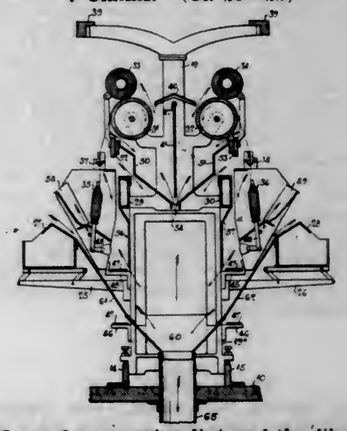
20,917

MEANS FOR CLEANING TEXTILE MACHINERY

Ernest J. Eaddy, Spartanburg, S. C.

Original No. 2,057,139, dated October 13, 1936, Serial No. 59,464, January 16, 1936. Application for reissue May 3, 1937, Serial No. 140,572

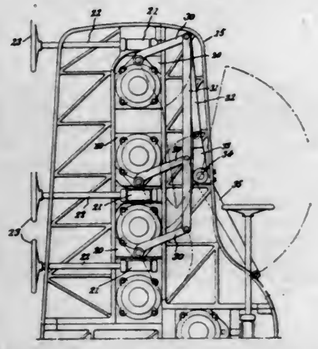
7 Claims. (Cl. 28—22)



1. Means for removing lint and the like from a spooler and like textile machines comprising a plurality of plates secured to the upper half of the spooler and being spaced from each other to provide slots therebetween at the points where lint is present in the greatest quantities, a pair of downwardly converging plates enclosing the

lower portion of the spooler, a pipe having communication at spaced intervals with the lower portions of said converging plates, a combined suction and blower fan disposed in said pipe for creating a partial vacuum within said spooler to draw lint from said slots and the adjacent portions of the spooler, a filter disposed within the same room as the spooler and having the other end of said pipe connected thereto whereby the air withdrawn from a room through the spooler is filtered and returned to the same room.

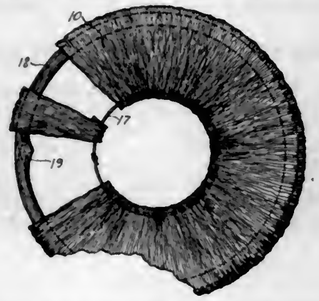
20,918
ROLLER MILL
Richard Goll, Dresden, Germany, assignor to J. M. Lehmann Company, Inc., New York, N. Y., a corporation of New York
Original No. 2,093,606, dated September 21, 1937, Serial No. 19,010, April 30, 1935. Application for reissue April 30, 1938, Serial No. 205,381
10 Claims. (Cl. 308—62)



8. In a roller mill, a frame, a stationary roll mounted in said frame, a plurality of adjustable rolls mounted in line in the frame on one side of said stationary roll and journaled in bearing blocks adjustably mounted in said frame, the axes of said adjustable rolls lying in a single plane and said rolls being adjustable substantially in said plane, individual fine adjustment means between the frame and the bearing blocks for obtaining delicate adjustment of said rolls, individual eccentric means operatively connected to said bearing blocks for quickly moving said adjustable rolls in substantially a straight line and through unequal distances toward and away from said stationary roll, and a common operating means extending along the line of said rolls and connecting said eccentric means for producing simultaneous operation of said eccentric means constructed and arranged in such manner that said rolls can be moved simultaneously and separated from each other as well as from said stationary roll without disturbing the setting of said fine adjustment means.

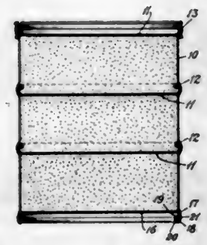
20,919
STEEL WOOL PAD
Elmer R. Martin, Springfield, Ohio, assignor to The Williams Company, London, Ohio, a corporation of Ohio
Original No. 2,123,338, dated July 12, 1938, Serial No. 56,648, December 30, 1935. Application for reissue September 1, 1938, Serial No. 228,002
7 Claims. (Cl. 15—230)

1. A steel wool pad for floor surfacing machines comprising an annulus composed of layers of steel wool ribbon with strands thereof disposed radially and having loop portions at the peripheral edge and at the inner edge, tie means extending through the loop portions at the inner edge, and means carried by the annulus and extending



within the loop portions at the peripheral edge for increasing the thickness of the peripheral edge portion thereof as compared to the inner edge portion.

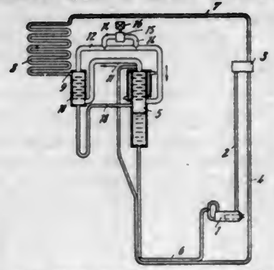
20,920
CONTAINER
Philip Nadelson, New York, N. Y.
Original No. 2,092,772, dated September 14, 1937, Serial No. 684,132, August 8, 1933. Renewed December 7, 1936. Application for reissue March 19, 1938, Serial No. 197,020
19 Claims. (Cl. 229—15)



1. A container comprising a tubing of resilient material and a plurality of strips of rigid material positioned within said tubing transversely thereof and dividing said tubing into a plurality of compartments, the cross-sectional area of said strips being greater than the normal cross-sectional area of said tube at the point of contact of said strips with said tubing, whereby the strips are self-seated by the stretching of the tube material at the points of contact of the strips with said tube material.

20,921
ABSORPTION REFRIGERATING APPARATUS
Paul Scholl, Berlin-Siemensstadt, and Carl Kühnel, Berlin-Charlottenburg, Germany, assignors to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany
Original No. 1,956,402, dated April 24, 1934, Serial No. 595,486, February 27, 1932. Application for reissue April 2, 1936, Serial No. 72,334. In Germany March 4, 1931
28 Claims. (Cl. 62—119.5)

1. In an absorption refrigerating apparatus of the continuous type comprising a generator, a

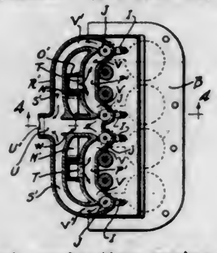


condenser, an evaporator and an absorber, and containing a refrigerating agent and an auxiliary inert gas mixed with the refrigerating agent in the evaporator and absorber, a fluid conduit connecting said evaporator and said absorber to form a circulating system for said agent and said auxiliary gas, a nozzle in said fluid conduit for emitting a gas jet to direct said gaseous agents in a predetermined direction of circulation, and an electrically operated mechanical means connected with said nozzle for forcing a portion of said gas travelling in said conduit through said nozzle to produce said jet.

PATENTS

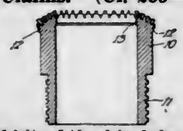
GRANTED NOVEMBER 15, 1938

2,136,358
INTERNAL COMBUSTION ENGINE
Farley E. Beckett, Inglewood, Calif., assignor of one-half to J. A. Rosenkranz, Los Angeles, Calif.
Application June 15, 1935, Serial No. 26,821
2 Claims. (Cl. 123—79)



1. An internal combustion engine comprising cylinders having ports serving for intaking air and exhausting products of combustion, air intake manifolds for supplying air to said ports, a plurality of exhaust manifolds having their intake terminals connected with said air intake manifolds and said ports and a common junctural portion for the discharge terminals of said exhaust manifolds, provided with an outlet serving each of and located adjacent to the discharge terminals of said exhaust manifolds.

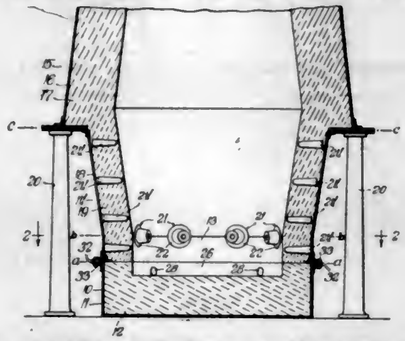
2,136,359
DIAMOND BIT
Fred Bley and Martin Hoerer, Chicago, Ill.
Application August 21, 1937, Serial No. 160,222
14 Claims. (Cl. 255—72)



1. A core drill bit of the kind described comprising a hollow cylindrical member rotatable about its longitudinal axis, one end of the member being adapted for operative engagement with an actuating hollow shaft and the other end being adapted for operative engagement with the material to be drilled, an annular enlargement on one cylindrical face of said material engaging end, the material engaging end of said member providing a plurality of relatively narrow ridges separated by grooves extending from the outside to the inside cylindrical peripheries of said member, and a plurality of diamonds embedded in and projecting from each ridge, the diamonds of each ridge being arranged in a row with the end diamonds respectively contiguous to the outer and the inner periphery of the member.

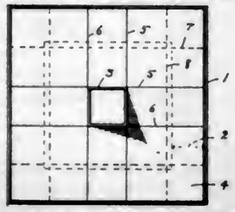
2,136,360
PROCESS FOR REDUCING IRON IN A BLAST FURNACE
Edward L. Clair, Toledo, Ohio, assignor to Interlake Iron Corporation, Chicago, Ill., a corporation of New York
Application June 10, 1935, Serial No. 25,719
5 Claims. (Cl. 75—41)

4. In the smelting of iron bearing ore in a blast furnace having tuyères for delivering a blast of air into the furnace, the improvement which comprises controlling the depth of descent of the molten iron through the furnace below the center line of the tuyères so as to control the period of contact of the molten iron with



the solid fuel in the furnace and thereby control the carbon content in the molten pig iron produced, and tapping the molten iron from the furnace at different locations one after another and in practically a continuous stream.

2,136,361
METHOD OF FORMING SERVICE PORTIONS OF FOODSTUFFS
Helen D. Eklund, Duluth, Minn.
Application February 26, 1937, Serial No. 127,960
2 Claims. (Cl. 107—54)

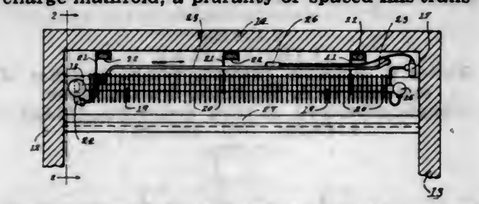


2. The method of producing uniform and substantially identically sized service pieces of cake which consists of forming a square cake having vertical sides and a square opening with vertical sides centrally therethrough of a cross sectional area equal at least to one twenty-fifth of the cross sectional area of said cake, then severing said cake in planes coincident with the planes of the sides of said central opening, then cutting each of the resulting corner pieces on planes parallel with a side thereof into pieces equal in size to that of the pieces formed intermediate of said corner pieces.

2,136,362
REFRIGERATOR
George J. Hopkins, Kendallville, Ind., assignor to McCray Refrigerator Company, Kendallville, Ind., a corporation of Indiana
Application September 24, 1936, Serial No. 102,277
4 Claims. (Cl. 62—99)

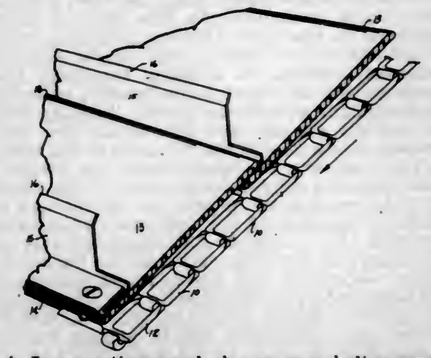
1. A refrigerator provided with an overhead intake manifold disposed at one end thereof

communicating with a valved intake conduit, an overhead discharge manifold disposed at the other end of the refrigerator, a plurality of spaced horizontally disposed overhead refrigerating conduits communicating at their respective opposite ends with the intake manifold and discharge manifold, a plurality of spaced fins trans-



versely secured to and embracing each of the plurality of refrigerating conduits, a discharge conduit provided with a standpipe disposed within the discharge manifold, said standpipe having an oil draining aperture therein intermediate its height, and a thermostatic element contacting the discharge conduit for operating the valved intake conduit.

2,136,363
CONVEYER BELT
Horace D. Hume and James E. Love, Garfield, Wash., assignors to Hume-Love Company, Garfield, Wash., a corporation
Application May 22, 1937, Serial No. 144,164
5 Claims. (Cl. 198—195)



4. In a continuous-deck conveyer-belt comprising a pair of spaced link belts, the combination with a pair of cross-bars connected to the link belts, of a pair of conveyer-elements each mounted at its leading edge on a cross bar, a cleat mounted on the leading edge of each conveyer-element, and said conveyer-elements being spaced so that the rear edge of the leading element rests upon the leading edge of the following element.

2,136,364
METERING DEVICE
Paul M. Lincoln, Ithaca, N. Y.
Application April 27, 1936, Serial No. 76,608
7 Claims. (Cl. 116—129)

1. In an indicating mechanism for meters having a standard graduated scale, a pointer cooperating with the scale and a driving member for the pointer; means for controlling the ratio of drive between said driving member and pointer including a single variable drive connection only between the said driving member and pointer, and means whereby said driving member is adjustable independent of angular adjustment of the driving member and pointer only when the pointer is at the zero scale position to control



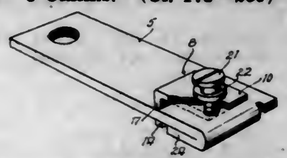
the relationship between the pointer and scale beyond the zero scale position.

2,136,365
APPARATUS FOR STARTING RACE HORSES
William F. Marresford, Niagara Falls, N. Y.
Application April 13, 1934, Serial No. 720,471
12 Claims. (Cl. 119—15.5)



1. In apparatus for starting race horses, rails one on each side of the race course, a carriage on each rail movable thereon having a rearwardly extending arm pivoted thereon, a barrier extending across the race course having its ends secured to the arms carried by the respective carriages, and means for causing said arms to swing in an upward direction to raise the barrier out of the path of movement of the horses.

2,136,366
ELECTRICAL TERMINAL
James S. Martin, Springfield, Ill., assignor to Sangamo Electric Company, Springfield, Ill., a corporation of Illinois
Application September 6, 1935, Serial No. 39,421
3 Claims. (Cl. 173—259)



1. A terminal assembly of the class described comprising a mounting plate having a slot formed therein, a right angle clip, one of the legs of said clip having a plurality of slots formed therein and defining flanges disposed adjacent the lower end of said leg and shoulders disposed adjacent the top of said leg, the other leg of said clip defining with said plate a space for receiving a conductor therebetween, said flanges being adapted to be inserted through the slot in said plate and said clip to be rotated with respect to said plate to dispose said flanges beneath said plate and said shoulders above said plate to secure said clip to the plate, said flanges and shoulders being disposed in substantially the same plane and positioned relatively closely together to limit

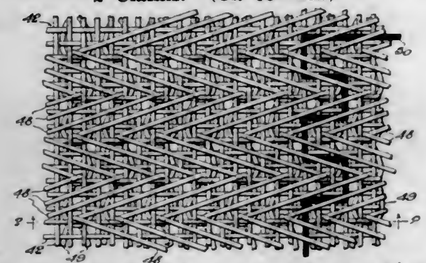
rocking movement of said clip with respect to said plate, and a locking screw bearing against the other leg of said clip and threading into said plate, said conductor being received between said clip and plate and positioned between said screw and the first named leg of said clip whereby tightening of said screw will rock said clip about said conductor to bring said flanges into engagement with the under surface of said plate, said flanges thereby resisting tightening of said screw and cooperating with said screw to clamp said conductor between said clip and plate.

2,136,367

FLAT KNIT FABRIC

Roy C. Amidon, Fort Plain, N. Y., assignor of one-third to Walter S. Becker, Little Falls, N. Y., and one-third to Lewis M. Fowler, St. Johnsville, N. Y.

Application October 4, 1937, Serial No. 167,323
2 Claims. (Cl. 66—192)



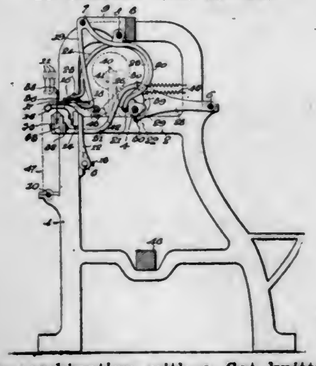
1. A composite fabric comprising a sheet of woven fabric and a knit fabric the knitting threads passing through the interstices of the woven fabric and the loops all lying on one side of the woven fabric and the cross connecting portions of the threads between the loops all lying on the other side of the woven fabric whereby the woven fabric will be completely embedded in the knitted fabric and both faces of the composite fabric will appear as a knitted fabric.

2,136,368

KNITTING MACHINE AND METHOD OF KNITTING

Roy C. Amidon, Fort Plain, N. Y., assignor of one-third to Walter S. Becker, Little Falls, N. Y., and one-third to Lewis M. Fowler, St. Johnsville, N. Y.

Application October 27, 1937, Serial No. 171,297
16 Claims. (Cl. 66—84)



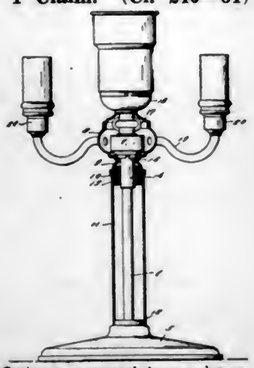
1. The combination with a flat knitting machine which includes bearded knitting needles, a knock-over-sinker, a sinker-nib, a beard-presser bar, and a thread carrying bar with thread guide and means to operate the same to effect the known knitting operation; of means to pass a previously-formed sheet of fabric in the out-going direction of the knitting between said knock-over-sinker and said sinker-nib.

2,136,369

LAMP FIXTURE

Walter E. Belcher, Tacoma, Wash., assignor of one-half to A. W. Pratt, Seattle, Wash.

Application July 9, 1937, Serial No. 152,813
1 Claim. (Cl. 240—81)



A lamp fixture comprising a base, a conductor containing conduit rising from the base, a fixture shell, lamps supported by the shell, a switch structure in the shell for controlling a source of current to the lamps, said switch structure including a contactor, a barrel extending from the contactor and having the conduit extending therethrough, a rotatable sleeve through which the conduit extends and into which the barrel depends, and a plug in the rotatable sleeve adapted to retain the rotatable sleeve and barrel to rotate together, said rotatable sleeve being adapted to be rotated to operate the barrel and the contactor by way of the said plug, said switch including two groups of stationary contacts and two groups of contacts carried by the barrel, and means associated with the contacts constructed and arranged to connect a source of current with one group of lamps when the rotatable sleeve is rotated in one direction and to connect a source of current with other of the lamps when the rotatable sleeve is rotated in the opposite direction.

2,136,370

METHOD OF MAKING METALLIC INLAID FRICTION SURFACES

Chris Bockius, Stamford, Conn., and Clyde S. Batchelor, Hasbrouck Heights, and Judson A. Cook, Haledon, N. J., assignors to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey

Original application January 23, 1937, Serial No. 121,930. Divided and this application May 17, 1937, Serial No. 143,104
5 Claims. (Cl. 154—2)



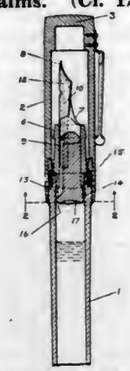
1. A process of making friction elements of the type comprising essentially a fibrous filler and a heat hardenable binder, comprising depositing a powdered relatively soft metal of low melting point, and a powdered ductile metal of relatively high melting point in predetermined portions of the element to form inlays, and subjecting said element to heat and pressure to densify the inlays and cure and bake the element.

2,136,371

FOUNTAIN PEN

Lloyd A. Brooke, Washington, D. C.

Application October 2, 1936, Serial No. 103,760
4 Claims. (Cl. 120—50)



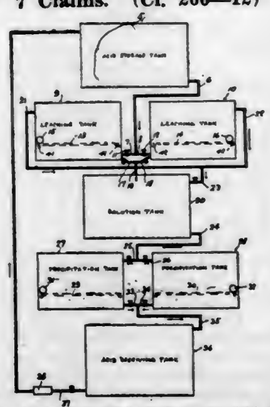
1. In a fountain pen, a barrel having an ink chamber, a feed plug immovably held in one end of said barrel, a pen nib held in place by said plug, said plug having a cylindrical head of a greater diameter than that of the body of the plug and being located within the barrel the side wall of which head is approximately parallel to the adjacent wall of the barrel and spaced slightly therefrom to leave an annular capillary space between the plug and the barrel, said plug having a duct with canals, the outer end of which duct terminates adjacent said nib and the inner end of which duct opens through the side only of said head into said capillary space below the top of said head.

2,136,372

LEACHING AND PRECIPITATING PROCESS AND APPARATUS

John L. Burnett, St. Louis, Mo.

Application March 25, 1936, Serial No. 70,901
7 Claims. (Cl. 266—12)



1. Apparatus for obtaining metal from metal bearing ore, said apparatus comprising a leaching tank, having a porous stone false bottom on which the ore charge rests, an acid storage tank gravitationally feeding the lower part of said leaching tank below said false bottom, whereby the acid is caused to rise through the ore charge, overflow means at the upper part of the leaching tank for leading off the metal bearing acid, a solution tank into which said overflow means empties, a precipitation tank having a porous stone false bottom above which said overflow means enters, an acid receiving tank, acid drain means leading from the precipitating tank below its false bottom into the upper part of said acid receiving tank, conduit means leading from the lower part of said acid receiving tank to the upper part of said acid storage tank, and force pump means interposed in said conduit means for moving the acid therein.

2,136,373

SOFTENED RUBBER

Warren F. Busse, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application October 24, 1935, Serial No. 46,564
4 Claims. (Cl. 18—50)

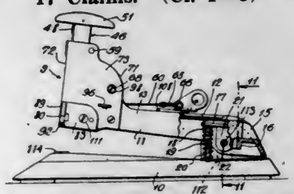
1. The process of promoting the breakdown of rubber which comprises treating crude rubber with a small proportion of hydrazine.

2,136,374

STAPLING MACHINE

Stephen A. Crosby, New York, N. Y., assignor to Parrot Speed Fastener Corporation, Long Island City, N. Y., a corporation of New York

Application August 28, 1936, Serial No. 98,278
17 Claims. (Cl. 1—3)



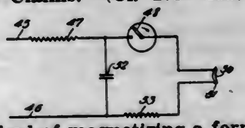
1. In a stapling machine, a frame having spaced sides, a U shaped rail interposed between said sides longitudinally of said frame, means at the rear of the frame adapted to be straddled by said rail for positioning the latter in spaced relation in respect to said sides and transversely of said frame, interlocking means for positioning said rail longitudinally of said frame, and a housing mounted aa the forward part of said frame and including means cooperating with said interlocking means for positioning said rail vertically of said frame.

2,136,375

METHOD OF AND MEANS FOR MAGNETIC INSPECTION

Alfred V. de Forest, Cambridge, Mass., assignor to Magnaflux Corporation, Chicago, Ill., a corporation of Delaware

Application August 22, 1936, Serial No. 97,415
32 Claims. (Cl. 175—183)



1. The method of magnetizing a ferro-magnetic object for the purpose of locating a supposed

defect therein, which consists in passing an impulse of electric current through the object in such direction as to induce a magnetic field disposed transversely to the supposed direction of said defect, said impulse being of high voltage and amperage but of minute duration not exceeding one one-thousandth of a second.

13. An apparatus for producing isolated electrical impulses and passing the same through an object to induce a magnetic field therein for the detection of suspected defects, said apparatus comprising a condenser, a charging circuit therefor, a source of current adapted to energize said circuit, a discharge circuit for the condenser including means for subjecting the object to the influence of the condenser discharge so as to induce a magnetic field in the object, and control means adapted to limit discharge of the condenser to isolated impulses at predetermined intervals.

2,136,376

MANUFACTURE OF ZINC SULPHIDE

Zoltan de Horvath, Western Springs, and William B. Paris, Argo, Ill., assignors to The Eagle-Picher Lead Company, Cincinnati, Ohio, a corporation of Ohio

Application December 7, 1934, Serial No. 756,474

9 Claims. (Cl. 23—135)



1. The improvement in the method of manufacturing zinc sulphide pigment by wet chemical precipitation, which consists in preparing an alkaline zincate solution, treating with sufficient sulphur and lime for the removal of the metallic impurities, separating the solution from the precipitated impurities, and precipitating the zinc from the solution by the addition of sulphur, washing the precipitate with acidulated water, treating with caustic solution to neutralize the last traces of acid, removing the zinc sulphide pigment by filtration, drying, muffling, quenching in acidulated water, drying and pulverizing the resultant product.

2,136,377

COLORED CELLULOSE AZO COMPOUNDS AND THEIR METHOD OF PRODUCTION

Ralph Dinklage, New York, N. Y.

No Drawing. Application December 16, 1935, Serial No. 54,725

16 Claims. (Cl. 260—144)

1. A new dyestuff consisting substantially essentially of a colored cellulosic material of the general formula

$$Z\text{—}[R^1\text{—}R^2]_x\text{—}[N{=}N\text{—}R^3]_m$$

in which Z represents a radical of a member of the cellulose group consisting of cellulose, cellulose esters, cellulose ethers, cellulose mixed esters, cellulose mixed ethers and cellulose esters ethers, R^3 at least one radical of an aromatic compound, R^4 a radical of a member of the group consisting of aliphatic alcohols and aliphatic acids, R^5 any aromatic system, m the number of azo groups carried by R^3, x the number of linkages of R^4 to Z, m and x being at least one in number for every glucose radical of Z, and at least one member of the group consisting of R^3, R^4 and R^5 carrying at least one auxochrome group.

2,136,378

VINYL RESIN COMPOSITION

Arthur K. Doolittle, South Charleston, W. Va., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application July 9, 1936, Serial No. 89,774

11 Claims. (Cl. 134—26)

7. A vinyl resin coating composition essentially comprising a vinyl resin substantially identical with a resin resulting from the conjoint polymerization of a vinyl halide with a vinyl ester of an aliphatic acid, dissolved in a thinner containing as the essential solvent material a mixture of dipropyl ketone and methylisobutyl ketone, and a volatile hydrocarbon diluent.

2,136,379

SULPHURIC ACID DERIVATIVES OF FATTY ACID DIESTERS OF GLYCOLS

Lawrence H. Flett, Hamburg, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application July 17, 1935, Serial No. 31,864

25 Claims. (Cl. 260—458)

1. A sulphuric acid derivative of a fatty acid diester of a glycol.

2,136,380

GARMENT

Harry E. Garrison, Dubuque, Iowa, assignor to H. B. Glover Company, Dubuque, Iowa, a corporation of Iowa

Application March 15, 1937, Serial No. 130,980

14 Claims. (Cl. 2—84)



1. In a garment, a combination hood, stand-up collar, and double back for the garment comprising a flap secured to the neck portion of the garment, fastener means on the flap's outer edge for closing the top of the hood formed by the flap when it is raised to enclose the garment wearer's head, the flap being flat when the fastener means is opened, whereby it is adapted to be folded down against the back of the garment to form a double back therefor, tie strings extending from the opposite ends of the flap at the front of the neck, and at least one pair of related eyelets in the flap of the opposite ends thereof adjacent the outermost edge thereof remote from the tie strings, said eyelets being arranged to have the strings extended therethrough when the flap is folded transversely to double thickness to form a collar, and said strings being adapted to be thereafter tied to close the collar and retain it in folded condition about the garment wearer's neck.

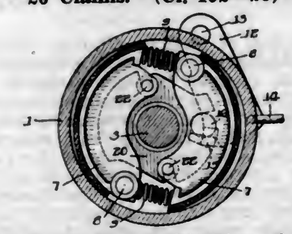
2,136,381

FRICTION CLUTCH

Leslie M. Hile, Benton Harbor, Mich.

Application April 26, 1935, Serial No. 18,282

26 Claims. (Cl. 192—26)



1. In a clutch, the combination of a shaft, a drum mounted to rotate freely on said shaft, while the latter is stationary, a support keyed to the shaft and closing one side of the interior of the drum, friction shoes each pivoted at one end upon the inner face of said support, compression coil springs each disposed between the distal end of one shoe and the adjacent proximal end of another shoe, operative by expansion to press the friction surfaces of the shoes against the inner frictional periphery of the drum, for causing the shaft to rotate with said drum, a cam plate oscillatory on said shaft a distance, having loose pivotal connection with the distal ends of said shoes, and mechanism cooperating with said springs for causing oscillation of said cam plate, to cause said shoes to engage and disengage said drum.

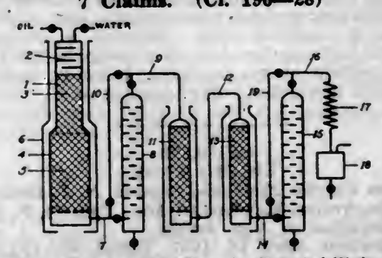
2,136,382

CATALYTIC CONVERSION OF HYDROCARBONS

Eugene J. Houdry, Rosemont, Pa., assignor to Houdry Process Corporation, Dover, Del., a corporation of Delaware

Application March 27, 1936, Serial No. 71,341

7 Claims. (Cl. 196—28)



7. In refining and chemically stabilizing fluid hydrocarbons containing gasoline and higher boiling hydrocarbons but composed predominantly of gasoline, the steps of process which comprise charging a stream of said hydrocarbons into a confined desulphurizing zone containing a contact material or mass comprising a relatively catalytically inert absorbent material impregnated with an active metalliferous material from the group nickel, cobalt and copper, said zone being maintained at such a temperature within the range of 550° to 750° F. that the hydrocarbons treated therein are in a state of superheat, continuously passing substantially all of the fluid products from said desulphurizing zone through a refining zone containing a catalyst comprising a blend of silica and alumina having admixed therewith a relatively small amount of metalliferous material from the aforesaid group nickel, cobalt and copper, to effect a chemical stabilization and further desulphurization of the hydrocarbons charged thereto, said refining zone being maintained at a temperature below the aforesaid range and above 400° F., the temperature maintained in said refining zone being substantially below that maintained in said desulphurizing zone, continuously withdrawing chemically stabilized fluid products of reaction from said refining zone, and fractionating the last-mentioned products to separate a light motor fuel or gasoline from higher boiling components of such products.

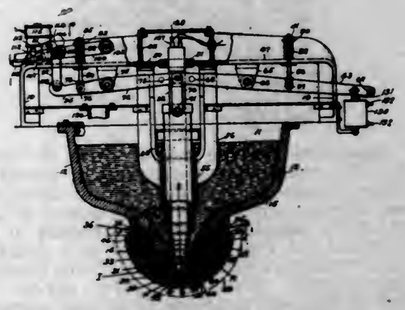
2,136,383

PRINTING PLATE CASTING MACHINE

William F. Huck, Richmond Hill, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Application December 31, 1935, Serial No. 57,053

10 Claims. (Cl. 22—2)



1. In a stereotype printing plate casting machine, a melting pot containing molten metal, a casting chamber, a port extending from the melting pot to the casting chamber, a valve constructed and arranged to accurately interfit in a portion of the port and movable to open and close the port to control the supply of molten metal from the melting pot through the port into the casting chamber and movable in the port after it is closed, and means operably connected with the valve to bias it for movement further into the port whereby the valve exerts pressure on the metal in the casting chamber after the port is closed.

2,136,384

CELLULOSE DERIVATIVE COMPOSITIONS

Nicholas L. Kalman, Cambridge, Mass.

No Drawing. Application January 28, 1936, Serial No. 61,251

11 Claims. (Cl. 134—79)

1. A composition of matter comprising a cellulose derivative and an ester of cativic acid.

2,136,385

REFRIGERATING COMPOSITION

Young Kaufman, New York, N. Y., and Victor K. La Mer, Leonia, N. J.; said La Mer assignor to said Kaufman

No Drawing. Application November 17, 1934, Serial No. 753,473
7 Claims. (Cl. 62—95)

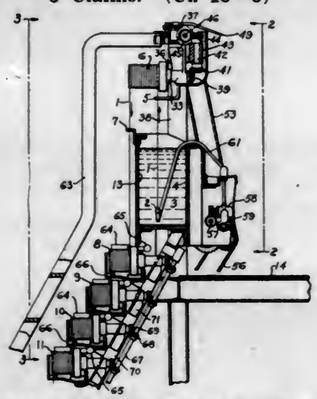
1. In a mechanically refrigerated chamber a hold-over composition which is frozen during the operation of the refrigerating apparatus and sustains a low temperature during idle periods of said refrigerating apparatus, said composition comprising water and urea, the ingredients being present in proportions to give a solution having a eutectic freezing point.

2,136,386

MANUFACTURE OF THREAD OR THE LIKE

Hayden B. Kline, Cleveland, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware

Application March 26, 1936, Serial No. 71,020
3 Claims. (Cl. 18—8)



3. Apparatus for the manufacture of thread or the like comprising a coagulating trough; a spinning nozzle in said coagulating trough; a thread-storage, thread-advancing device of cantilever form adapted to advance thread or the like toward the free end thereof in a plurality of closely spaced, generally helical turns to which thread-storage, thread-advancing device the thread or the like proceeds from said spinning nozzle, said thread-storage, thread-advancing device being so disposed with respect to said coagulating trough that between said spinning nozzle and the supported end of said thread-storage, thread-advancing device the path of the thread or the like is always within the lateral limits of said coagulating trough and upon discharge of the thread or the like from the unsupported end of said thread-storage, thread-advancing device the path of the thread or the like is always outside the lateral limits of said coagulating trough; and take-up means disposed below the level of the liquid in said coagulating trough to which the thread or the like proceeds from the unsupported end of said thread-storage, thread-advancing device.

2,136,387

PREPARATION OF DIVINYL ETHER

William A. Lott, East Orange, N. J., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York

No Drawing. Application October 14, 1936, Serial No. 105,513
11 Claims. (Cl. 260—614)

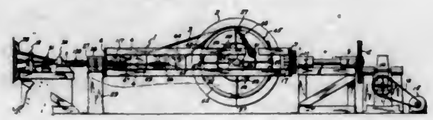
1. The method of preparing divinyl ether that comprises treating a β,β'-dihaloethyl ether with an alkali-metal alcoholate dissolved in the corresponding alcohol, the alcohol being one whose alkali-metal alcoholate has little tendency to undergo etherification when treated with an alkyl halide.

2,136,388

METHOD AND MACHINE FOR MAKING HOLLOW CONDUCTORS

William Lowe, Ansonia, Conn., assignor to Anaconda Wire and Cable Company, New York, N. Y., a corporation of Delaware

Application May 3, 1937, Serial No. 140,474
24 Claims. (Cl. 117—49)



1. A method of making a hollow flexible conductor comprising running a plurality of segmental wire strands through a die in two tubular layers to bring together means at the contiguous edges of adjacent strands to secure them against separation radially, and also to bring together means on the strands of the two layers to hold the layers against radial separation, guiding the inner layer to a circular shape to form a supporting arch for the outer layer, and guiding the outer layer into intimate contact with the inner layer.

2,136,389

REACTION PRODUCTS OF SULPHUR DIOXIDE AND OLEFINES

Carl Shipp Marvel, Urbana, Ill., and Donald Sherwood Frederick, Drexel Hill Plaza, Pa.; said Frederick assignor to said Marvel

No Drawing. Application April 30, 1936, Serial No. 77,252
6 Claims. (Cl. 260—2)

1. The process which comprises reacting sulphur dioxide, in the presence of aqueous hydrogen peroxide, with an olefinic compound having the formula:

$$X-C=C-H$$
$$\quad\;|\quad\;|$$
$$\quad Y\quad Z$$

in which X and Y represent monovalent radicals from the group consisting of hydrogen, methyl and hydroxymethyl, Z represents a monovalent radical from the group consisting of hydrogen, simple alkyl groups, and alkyl groups having at least one hydrogen atom thereof replaced by a radical from the group consisting of hydroxyl and cycloaliphatic hydrocarbon radicals, and in which Y and Z together may represent a saturated divalent hydrocarbon radical containing less than seven carbon atoms provided, however, that X, Y, and Z are not all alkyl groups.

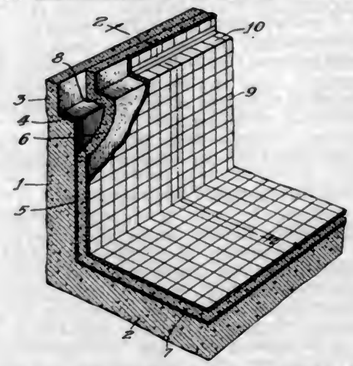
2,136,390

LIQUID TANK

Charles Patrick McHugh, Passaic, N. J., assignor to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey

Application April 16, 1937, Serial No. 137,265
3 Claims. (Cl. 72—14)

1. A liquid tank which comprises an outer concrete structure and an inner concrete structure, said structures defining said tank, a layer of waterproof resilient material capable of elongation and deformation without rupture comprising sheet rubber interposed throughout between the inner and outer concrete structures.



2,136,391

LUBRICATING COMPOSITION

Floyd L. Miller, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application May 26, 1933, Serial No. 673,026
20 Claims. (Cl. 87—9)

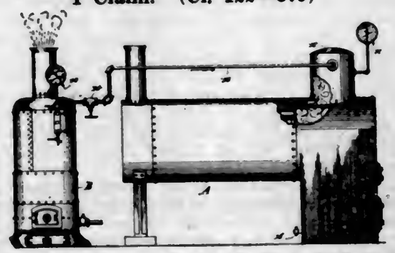
1. An improved lubricating composition of high stability, comprising as a base stock a lubricating oil of high viscosity index containing in solution both a small quantity of a leaded compound of an acid selected from the class of naphthenic and sulfonic acids and an oil soluble substance rich in sulphur.

2,136,392

METHOD FOR REMOVING SCALE FROM BOILERS

Daniel Francis Murphy, Galveston, Tex.

Application June 8, 1936, Serial No. 84,189
1 Claim. (Cl. 122—379)



A method of removing scale from boilers comprising the feeding of live steam under pressure of approximately five to eight pounds into an empty and relatively cool boiler for a period of approximately twenty-four hours, then allowing the steam to condense to cause the softening of the scale through the medium of the condensate, then drawing off the moisture, and then repeating the process.

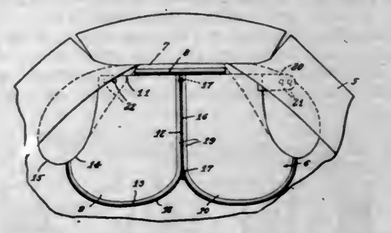
2,136,393

GARMENT

Elias W. Nelson, Belmont, Mass., assignor to H. B. Glover Company, Dubuque, Iowa, a corporation of Iowa

Application March 20, 1937, Serial No. 131,984
4 Claims. (Cl. 2—84)

1. A combination hood and muffler for a garment comprising a flap secured to the neck portion of said garment, said flap being split lengthwise in a direction away from the neck through its approximate middle substantially its full length whereby to provide two independent sections foldable lengthwise to form cooperating halves of a muffler to wrap around the garment wearer's neck, and fastener means for detachably securing the adjoining edges of said flap sections together to form a hood enclosure over the garment wearer's head.

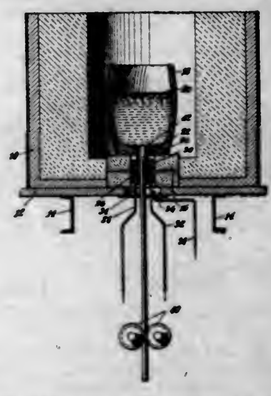


2,136,394

CASTING METAL

Frank F. Poland, New Brunswick, and Karl A. Lindner, Rahway, N. J.

Application June 29, 1935, Serial No. 29,064
8 Claims. (Cl. 22—57.2)



1. A process for continuously casting metal which comprises supplying the metal to a mold formed of refractory, heat-conducting material which is non-wettable with respect to the metal and which exhibits a maximum porosity and pore space of 20% and 40 microns respectively, circulating a cooling fluid around the metal in said mold thereby withdrawing heat from the metal through the die walls and causing the metal to solidify and withdrawing the cast metal from said mold.

2,136,395

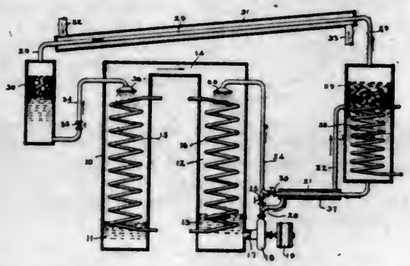
APPARATUS FOR REFRIGERATION

Bo Folke Randel, San Diego, Calif.

Application March 9, 1936, Serial No. 67,867
3 Claims. (Cl. 62—119)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A refrigerating apparatus comprising in combination: an evaporator containing a solvent; an absorber in vapor communication with said evaporator and containing a solution of a salt and a solvent, the evaporation of the solvent

in the evaporator causing the absorption of heat from the surrounding medium and causing differential vapor pressures in the evaporator and the absorber and a flow of heated vaporized solvent from the former to the latter, the solvent in said absorber being adapted to absorb said vaporized solvent and extract heat therefrom; means within said evaporator through which a refrigerating medium is adapted to be circulated; means in said absorber for cooling said solvent; a generator for separating a volume of said solvent



from said solution substantially equal to that absorbed thereby and returning it to said evaporator; and single means for withdrawing weak solution from said absorber and delivering the same to said generator and for also withdrawing concentrated solution from said generator and delivering the entire amount thereof to said absorber.

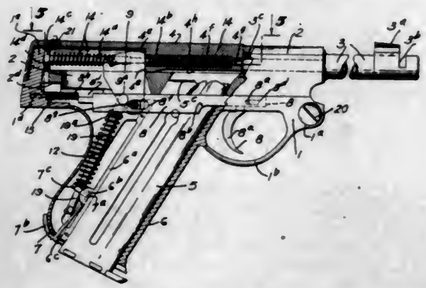
2,136,396

AUTOMATIC PISTOL

Basil H. Savage, San Diego, Calif., assignor to Savage Research Corporation, San Diego, Calif.

Application September 19, 1934, Serial No. 744,682

8 Claims. (Cl. 42—75)



1. In an automatic pistol, a frame member provided with a handle, another frame member pivotally connected thereto at the normally front end of said first mentioned frame member intermediate the ends of said second mentioned frame member, said second mentioned frame member provided with a barrel extending forwardly of the pivotal mounting, a trigger member slidably mounted in said first mentioned frame member, and a latch mounted in said first mentioned frame member adapted to engage a notch in the second mentioned frame member when shifted to a certain position and provided with an extended portion adapted to engage said trigger member to prevent its sliding when said latch member is out of engagement with said notch, whereby the trigger member cannot be operated when the two frame members are in inoperative position.

2,136,397

OESTROGENOUS PRODUCTS AND METHODS OF PRODUCING THE SAME

Walter Schoeller, Berlin, Max Dohrn, Berlin-Charlottenburg, and Walter Hohlweg, Hohen Neuendorf, near Berlin, Germany, assignors to Schering-Kahlbaum A. G., Berlin, Germany, a corporation of Germany

No Drawing. Application December 6, 1934, Serial No. 756,278. In Germany December 6, 1933

9 Claims. (Cl. 167—74)

1. A method for the production of oestrogenous compounds having biological properties similar to but chemical properties different from the follicle hormones comprising subjecting vegetable material derived from plants belonging to the species *Butea superba* to the action of an approximately neutral, aqueous extracting agent which is a solvent for the oestrogenous compounds, isolating the oestrogenous compound from said extract, dissolving the same in water, adding thereto a highly soluble metal salt capable of producing a salting-out effect, and removing the precipitated oestrogenous compound obtained thereby from the solution.

2,136,398

HYDRO-MECHANICAL BRAKE OPERATING DEVICE

Charles G. Schreyer, South Bend, Ind., assignor of one-fourth to James H. Fulton, South Bend, Ind.

Application August 29, 1935, Serial No. 38,485

15 Claims. (Cl. 188—152)



1. The combination with a vehicle having a plurality of brakes and a brake pedal, of a pedal actuated brake actuating device comprising a rock shaft having a liquid passage, a housing fixed on said shaft and including a master cylinder communicating with said passage, a piston in said cylinder, piston actuating means operable by said pedal, a plurality of arms projecting from said shaft, a piston fixedly mounted on each arm, said arms and last named pistons having communicating passages communicating with said shaft passage, a secondary cylinder slidably mounted on each of said last named pistons, and a plurality of connectors each extending between a brake and a secondary cylinder, said pedal being actuable a predetermined partial movement to fully energize said first named piston and thereby actuate said secondary cylinder to normally effect brake application, and being actuable beyond said predetermined partial movement to rock said device in brake applying direction as a unit, by engagement of said piston actuating means with said master cylinder.

2,136,399

TREATMENT OF YEAST

Alfred S. Schultz, New York, and Charles N. Frey, Scarsdale, N. Y., assignors to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware

No Drawing. Application July 23, 1935, Serial No. 32,729. Renewed January 29, 1938

14 Claims. (Cl. 99—96)

1. A process for the treatment of compressed yeast, which comprises incorporating lecithin with yeast whereby crumbliness is reduced and color is improved.

7. A process for the treatment of compressed yeast, which comprises incorporating a small amount of an emulsifying agent belonging to the group consisting of diglycol mono- and di-oleate, ammonium oleate, ammonium linoleate, glyceryl mono-stearate and diglycol mono- and di-stearate with yeast whereby color is improved.

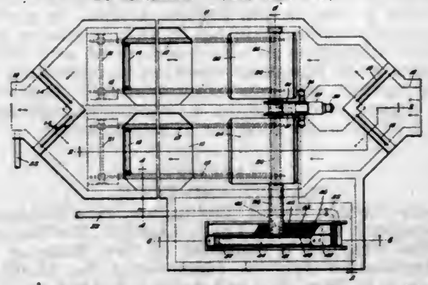
2,136,400

SEDIMENTATION APPARATUS

Robert T. Steindorf, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin

Application August 12, 1936, Serial No. 95,665

10 Claims. (Cl. 210—3)



1. In sedimentation apparatus, the combination of a settling chamber for receiving liquid carrying organic and inorganic solids; a washing and separating chamber for the solids adjacent but separated from said settling chamber; means for collecting and withdrawing the settled solids from the liquid in said settling chamber; means arranged to receive the withdrawn solids from said collecting means and to conduct them to said washing and separating chamber; means for supplying wash liquid to the solids during such transfer; and means in said washing chamber for agitating said solids to segregate the organics from the inorganics, and discharging the latter.

2,136,401

ACYL COMPOUNDS OF CYANHYDRINS OF THE ETIO-CHOLANE AND ETIO-ALLOCHOLANE SERIES AND A METHOD OF PRODUCING THE SAME

Lothar Strassberger, Berlin-Wilmersdorf, Germany, assignor to Schering-Kahlbaum A. G., Berlin, Germany, a corporation of Germany

No Drawing. Application February 27, 1937, Serial No. 128,138. In Germany March 2, 1936

9 Claims. (Cl. 260—397)

5. An acyl compound of the cyanhydrins of the etio-cholane and etio-allo-cholane series having the general formula $C_{19}H_n(OAc)(CN)X$, wherein n indicates 27 or 29, X a group that, upon hydrolysis, is reconvertible into the hydroxy group and is in the 3-position and Ac an acyl group.

2,136,402

POLISH

Joseph A. Tumbler, Baltimore, Md., assignor to J. A. Tumbler Laboratories, Baltimore, Md.

No Drawing. Application August 3, 1934, Serial No. 738,297

7 Claims. (Cl. 134—24)

7. A polish composition in the form of an oil in water emulsion comprising water as a continuous phase and a petroleum distillate as a discontinuous phase, and dispersed in the petroleum distillate blown castor oil, the blown castor oil being insoluble in the petroleum distillate and insoluble in the water, said polish emulsion being homogenized to render it stable, the homogenized oil globules being of a size on the order of 5 mu or less.

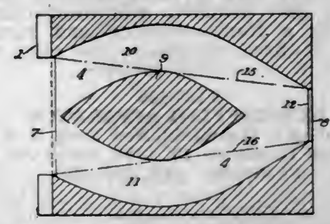
2,136,403

MEANS FOR DEVELOPING REACTIVE FORCES

Charles E. Vance and John E. Vance, Pittsburgh, Pa.

Application November 27, 1935, Serial No. 51,789

10 Claims. (Cl. 244—130)



1. In an airfoil the combination of means in said airfoil defining a chamber having an intake opening to admit air thereinto, and means defining a chamber discharge orifice the area of which is approximately one-fourth that of the intake opening, said discharge orifice being positioned relative to the intake opening to prevent a direct flow of air through said chamber.

2,136,404

COMPOSITION FOR DENTAL CASTING PATTERNS

Norton L. Wheeler, Tulsa, Okla.

No Drawing. Application November 27, 1936, Serial No. 113,084

4 Claims. (Cl. 22—164)

1. A rigid thermoplastic dental pattern material composed of a polymerized resin having the characteristics of being reducible to a gas within the mold at a temperature below 825° F. without leaving any detrimental residuum deposit, and selected from a group consisting of meta styrene, resinous polymerized derivatives of acrylic acid, and resinous polymerized derivatives of methacrylic acid.

2,136,405

VALVE MOTION MECHANISM

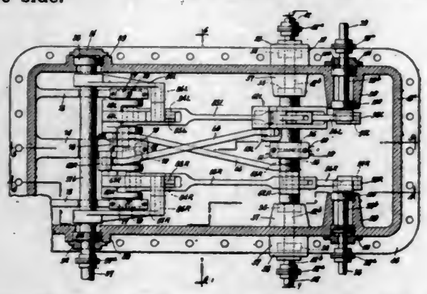
William E. Woodard, Forest Hills, N. Y.

Application January 10, 1936, Serial No. 58,504

33 Claims. (Cl. 121—116)

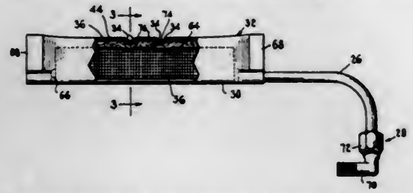
1. In a locomotive valve gear of the type in which the valve movements are derived solely from the reciprocating parts of the engine and in which swinging links or quadrants are employed, a member mounted to oscillate in unison with the piston on one side and having a cross connection for driving that link which is located on the opposite side, and a lever pivotally mount-

ed on the oscillating member for combining the motion of said member with the motion of a link actuated in unison with the piston on the opposite side.



20. For a locomotive having two cylinders with their valve chests, a valve gear for actuating the valves of both cylinders including mechanism for combining a plurality of motions and varying the combination of motions and arranged as a compact unit intermediate the axes of the two cylinders, and a casing housing most of the valve gear including said mechanism and serving as a frame therefor, and removably mounted in fixed relation to the valve chests.

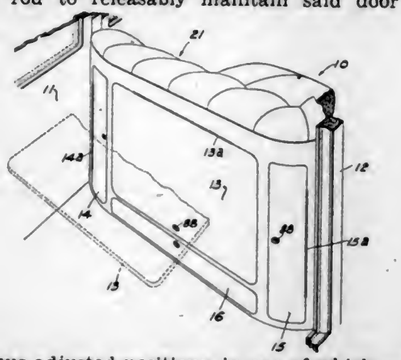
2,136,406
HUMIDIFYING APPARATUS
Charles J. Wurmfeld, New York, N. Y.
Application December 17, 1935, Serial No. 54,830
17 Claims. (Cl. 237—78)



1. Apparatus for producing a substantially uniform discharge of water vapor into the atmosphere to increase its humidity without condensation of the vapor, the apparatus including a casing, the casing being provided with means for venting water vapor upwardly into the atmosphere away from the casing, the casing being tubular, the tube being defined by a pair of vertically extending substantially parallel walls and end walls extending between the parallel walls, the distance between the parallel walls being less than the height of a parallel wall, the venting means being positioned in the upper portion of the casing, the bottom end wall being shaped to facilitate air-flow upwardly past the casing, and a conduit having an end inserted a short distance into the bore of the casing, the end resting upon the bottom end wall, the parallel walls being pressed around the conduit end to seal the casing at that end.

2,136,407
SEAT CABINET FOR AUTOMOBILES
Aileen Armour, Los Angeles, Calif.
Application October 12, 1937, Serial No. 168,602
1 Claim. (Cl. 155—123)

The combination, with a vehicle seat back having a compartment in the rear portion thereof; of a door for said compartment, hinges whereby said door is hinged to said seat back adjacent to the top thereof to swing from a pendant to a horizontal position, a yoke-shaped keeper mounted within said compartment, one limb of said yoke having an aperture, and a rod provided with a plurality of apertures, each having an annular shoulder, pivotally secured to said door, said rod sliding through said keeper as said door swings, and releasable stop means operatively related to said rod to releasably maintain said door in



various adjusted positions, in one of which positions it forms a table top, said stop means comprising a locking pin having a head, a spring yieldingly holding said pin in an inoperative position in relation to said aperture of said limb, except when manually operated in opposition to said spring, said pin being manually operable to engage said head in a locking engagement with the annular shoulder of said aperture.

2,136,408
LATCH AND LOCK
Henry George Bedell, Wellington, New Zealand, assignor to Spiral Locks Limited, Wellington, New Zealand, a company of New Zealand
Application July 30, 1936, Serial No. 93,408
In New Zealand August 9, 1935
6 Claims. (Cl. 292—198)

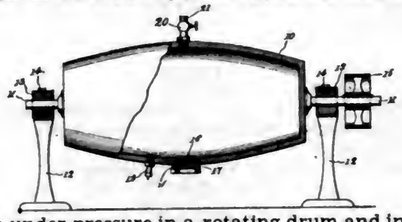


5. In a latch device for securing two relatively movable parts, a barrel having a peripheral groove rotatably mounted on one of said parts and a stud on the other part adapted to engage and traverse the groove in said barrel, the groove having first a cam portion of such pitch and shape that the relative movement of the parts when being opened or closed will effect rotation of the barrel and secondly a locking portion contiguous with the cam portion and being such that when the said stud has entered therein, the parts are locked against the normal opening movement until the barrel has been independently rotated, a latch bolt formed on said barrel, said bolt as the barrel is rotated engaging a slot in a latch plate from which said latch stud projects.

2,136,409
PROCESS FOR EXTRACTING PRECIOUS METALS
Lorin Bice, Laurel, and Fred Soular, Billings, Mont., assignors to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application September 28, 1936, Serial No. 103,018
2 Claims. (Cl. 75—105)

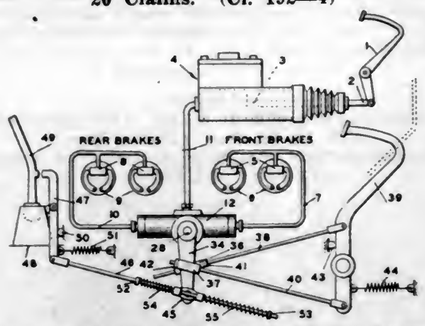
1. The process of extracting precious metals from ores by cyanidation, comprising grinding

the ore to a coarse mesh, mixing therewith a solution of an alkali cyanide, agitating said mix-



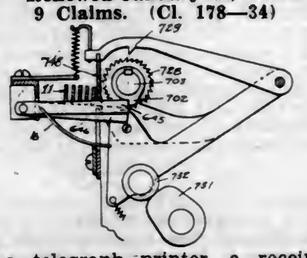
ture under pressure in a rotating drum and in the presence of aqua regia, and thereafter recovering the precious metal from the solution.

2,136,410
BRAKE CONTROL MECHANISM
Werner F. Boldt, Overland, and Walter R. Freeman, University City, Mo., assignors to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application July 26, 1937, Serial No. 155,638
20 Claims. (Cl. 192—4)



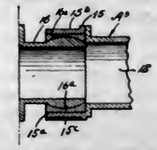
1. In a vehicle, a braking mechanism having a plurality of braking units and means for normally controlling the application and release thereof, additional means for holding a braking unit in applied position when the vehicle is facing upward on an inclined roadway and for holding another of the braking units in applied position when the vehicle is facing downward on an inclined roadway.

2,136,411
TELEGRAPH PRINTER
Leon Cammen, New York, N. Y., assignor to Carolyn C. Cammen, New York, N. Y.
Application January 31, 1935, Serial No. 4,241
Renewed January 22, 1938
9 Claims. (Cl. 178—34)



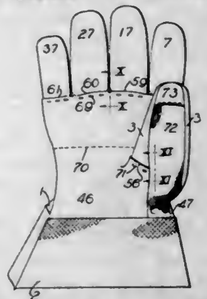
1. In a telegraph printer, a receiver comprising as many permutation bars as there are coding elements in the code used; a permit bar and means to actuate it subsequently to the periods available for the actuation of the permutation bars; selector elements and means to engage them with the selecting elements of the permutation bars; a shaft carrying the same number of abutments as there are selector elements, said abutments being so spaced with respect to the selector elements that only one selector element can engage with any of the abutments; a typewheel positioned on said shaft, together with means to lock and unlock said shaft; a cam and a source of energy to actuate it other than the signalling impulses, said cam being in a position to operate the means for locking and unlocking the typewheel shaft and being of such a shape as to unlock the typewheel shaft subsequently to the actuation of the permit bar.

2,136,412
FLEXIBLE COUPLING
Washington T. Capps, Baltimore, Md., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware
Original application June 29, 1934, Serial No. 733,142, now Patent No. 2,074,301, dated March 16, 1937. Divided and this application December 22, 1936, Serial No. 117,124
4 Claims. (Cl. 285—11)



1. A flexible coupling comprising a rigidly mounted end section, a movable end section, said rigidly mounted end section being provided with an outer spherical surface, a ring carried by said first named end section and having an inner spherical surface fitting over the outer spherical surface thereof, a sleeve formed with said movable end section and being slidable along the outer surface of said ring, said sleeve including a portion removable therefrom and being normally disposed over said ring, and means for securing said removable portion in operative position.

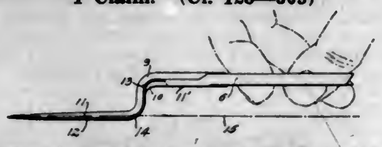
2,136,413
GLOVE
Aaron Charney, Chicago, Ill.
Application February 27, 1937, Serial No. 128,070
13 Claims. (Cl. 2—161)



1. In a glove the combination with a back, of a wrist portion connected therewith, and a glove palm unit connected with said back and said wrist portion, said glove palm unit being constructed of a plurality of thumb, finger, and palm pieces, with the thumb and finger pieces having margins stitched to one of the palm pieces to provide inner seams, which are covered on the exterior by marginal portions of another of the

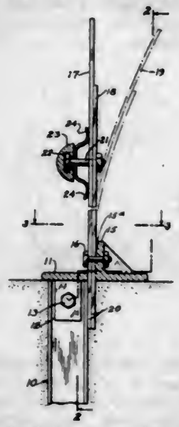
palm pieces, said last mentioned palm piece having armored seams along the margins thereof overlapping the thumb and finger pieces.

2,136,414
SHEARS
Stanley Clements, Houston, Tex., assignor of one-half to Alice R. Savage, Corpus Christi, Tex.
Application May 5, 1934, Serial No. 724,088
1 Claim. (Cl. 128—305)



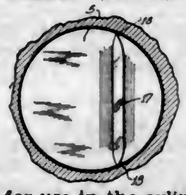
Shears for surgical use particularly adapted for operating in the abdominal cavity, consisting of substantially flat handle and blade portions, the respective handle and blade portions being connected integrally by an offset which merges into the respective handle and blade portions in smooth, reverse, right angled bends, whereby the handle and blade portions are in parallel planes, a pivot for pivotally connecting the respective handle and blade portions at or near one of said bends, each of said blade portions being widest in the general region of said bends and generally tapering toward the tip end, said handle and blade portions having smooth and unobstructed exterior surfaces from the handle portions to the tips at their other ends, so as not to interfere with other portions of the body when the shears are in use, the effect of said substantial offsetting of said handles and blades being to give the surgeon an unobstructed view of the cutting edges of said blades when deep in the abdominal cavity, and the parallelism of said handles and blades enabling the surgeon to know the plane of said blades by an inspection of the plane of said handles.

2,136,415
SAFETY SYSTEM AND DEVICE FOR USE THEREWITH
Walter V. Cornett, Brooklyn, N. Y.
Application May 19, 1937, Serial No. 143,452
7 Claims. (Cl. 256—13.1)



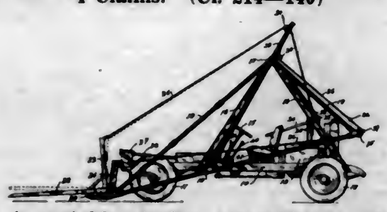
1. A safety device comprising a support having a portion extending below the level of the guard, a leaf spring member secured thereto and extending upwardly therefrom and having a portion extending downwardly below its point of attachment to said support and below said ground level and overlying the side of the support, and a horizontal guard member resiliently supported on said spring member.

2,136,416
PISTON
William C. Dehn, Three Rivers, Mich., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application March 17, 1937, Serial No. 131,295
3 Claims. (Cl. 123—193)



1. A piston for use in the cylinder of an internal combustion engine, having head and skirt portions, an integral baffle member extending across said head portion, said baffle member having relatively thin prolongations of ductile metal adapted to contact the wall of the cylinder during engine operation.

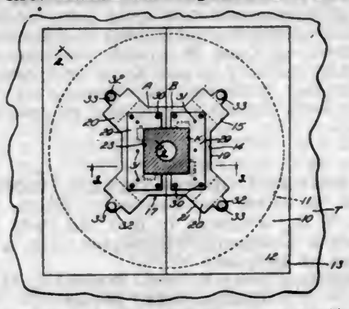
2,136,417
COMBINATION BULL RAKE AND STACKER
Alan M. Downey, Glendo, Wyo.
Application November 2, 1937, Serial No. 172,332
4 Claims. (Cl. 214—140)



1. A portable stacker comprising a wheeled chassis; a vertical frame member rising from each side of said wheeled chassis; a horizontal shaft journalled between said vertical frame members and extending across said chassis; a triangular frame secured on and depending from each extremity of said shaft, said shaft being positioned at the apex of said triangular frames so that the latter will project forwardly and rearwardly below said shaft; a rake shaft connecting the forward extremities ahead of said chassis; a rake journalled upon said rake shaft and projecting forwardly thereof; an upstanding back frame on said rake; a cable drum positioned forwardly on said chassis; a first pair of cable sheaves at the rearward extremities of said triangular frames; a second pair of cable sheaves positioned adjacent said horizontal shaft; and a pair of cables extending from said cable drum rearwardly over said first pair of sheaves, thence upwardly to said second pair of sheaves; thence forwardly to the back frame of said rake.

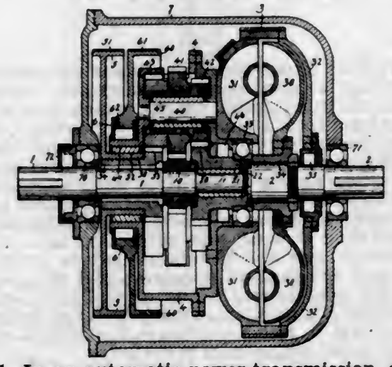
2,136,418
DRIVE BUSHING
Dennis L. Driscoll, Los Angeles, Calif., assignor to Lawrence F. Baash, Los Angeles, Calif.
Application February 15, 1936, Serial No. 64,082
8 Claims. (Cl. 255—23)

1. In combination, a rotary table bushing having a vertically extending polygonal opening with slots in its corners, and a polygonal drive bushing in the first named bushing having a projecting



wing at each corner, said wings cooperating with said slots, the drive bushing having a polygonal opening for receiving a drill stem.

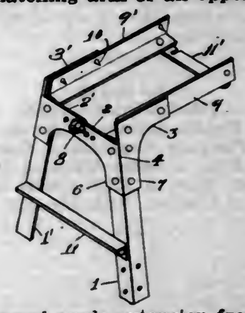
2,136,419
AUTOMATIC POWER TRANSMISSION
William A. Duffield, Montreal, Quebec, Canada, assignor to Juno Corporation Limited, Montreal, Quebec, Canada, a corporation
Application July 24, 1935, Serial No. 32,939
10 Claims. (Cl. 74—189.5)



1. In an automatic power transmission, a fluid coupling of the Fottinger type having driver and runner members, a power driven shaft, a tail shaft journalled axially therewith, pinions on each shaft, a carrier journalled about the shafts, integral gears journalled in the carrier parallel to the shafts and meshing with the pinions, the driver member of the coupling secured to the tail shaft and the runner member secured to the carrier, a third gear integral with the other gears, a sleeve journalled on the driven shaft having a pinion meshing with the third gear and means to hold the sleeve from rotation.

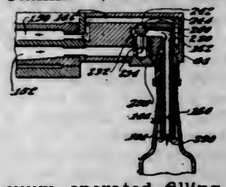
2,136,420
COLLAPSIBLE TRESTLE
Charles L. Edwards, St. Louis, Mo.
Application November 27, 1936, Serial No. 112,908
Renewed April 7, 1938
4 Claims. (Cl. 304—5)

1. A collapsible trestle having in combination, a vertically disposed angle iron leg, a horizontal angle iron support for a plank, and a connecting corner bracket consisting of a flat rolled plate having arms bent at right angles to each other, one arm being above the other arm and riveted to the vertical flange of said angle support so that the horizontal flange of said support is even with the lower arm of the said bracket, and said lower arm having spaced holes for variably pivoting to a matching arm of an opposite bracket,



and a downward angle extension from said arms riveted to said angle leg whereby said leg and horizontal angle support are rigidly connected substantially as described.

2,136,421
CONTAINER FILLING MACHINE
Arthur Clarence Everett, Boston, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application November 15, 1933, Serial No. 698,090
6 Claims. (Cl. 226—116)



1. In a vacuum operated filling machine, in combination, a filling nozzle adapted to be sealed by a bottle, a liquid conduit connected with the filling nozzle, a valve in the liquid conduit located above the discharge end of the filling nozzle for controlling the flow of liquid therethrough, said nozzle having a liquid tube and a suction tube, a suction conduit connected to the suction tube and filling nozzle, and means rendered operative when the bottle is removed from the filling nozzle for automatically establishing communication between the suction conduit and a portion of the liquid conduit between said valve and the end of the nozzle when the valve is closed for removing liquid therefrom to prevent dripping from the end of the nozzle.

5. In a vacuum operated filling machine, in combination, a filling nozzle provided with a liquid passage and a suction passage, means for evacuating the container when in operative filling condition, a liquid supply tank operatively connected with the liquid passage of the filling nozzle and from which the liquid may be drawn by the vacuum within the container to fill the bottle, overflow means including two overflow tanks, a suction line connected with the suction passage of the filling nozzle, a valve member provided with two outer chambers and an inner chamber, the outer chambers being respectively connected to the overflow tanks and the inner chamber being connected to a source of suction, and a positively driven rotary member for establishing communication between the inner chamber and first one and then the other of the outer chambers, said rotary means having provision for connecting the outer chambers successively to permit the entrance of air therein, said means operating

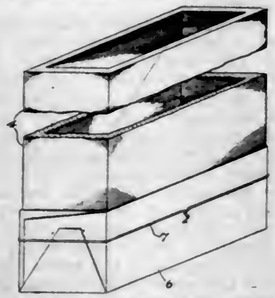
to admit air to one outer chamber when the second outer chamber is being connected with the inner chamber, said valve having provision whereby the admission of air to said chambers takes place gradually.

2,136,422
POLYMERIZATION
Reuben T. Fields, Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 2, 1937, Serial No. 145,933
8 Claims. (Cl. 18—55)



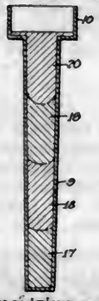
1. Process of polymerizing a liquid composition in elongated shapes which comprises introducing into a substantially vertically positioned elongated mold closed at the lower end a plurality of portions of the said liquid composition containing successively diminishing proportions of a polymerization catalyst, the viscosity of said liquid composition being sufficient to prevent any substantial commingling of successive portions thereof, and subjecting said composition to heat and simultaneously to pressure until said composition is polymerized to a solid body, the heat to which any of said portions of said liquid composition is subjected, not exceeding the heat to which any lower disposed portion of said liquid composition is subjected.

2,136,423
POLYMERIZATION PROCESS
Charles M. Fields and Reuben T. Fields, Arlington, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 2, 1937, Serial No. 145,934
5 Claims. (Cl. 18—55)



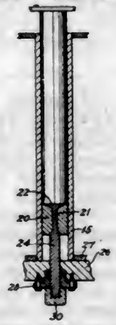
1. Process of polymerizing a liquid composition comprising a monomeric polymerizable organic compound, in elongated shapes, which comprises introducing into a substantially vertically positioned elongated mold closed at the lower end, a substantial quantity of said liquid composition and applying heat from an external source to the bottom of the mold only until said liquid composition is polymerized to a solid body, and simultaneously subjecting said liquid composition to a pressure of at least 50 pounds per square inch, the initial viscosity of said liquid composition being sufficient to prevent development of convection currents therein during said polymerization.

2,136,424
PROCESS OF POLYMERIZATION
Charles M. Fields and Reuben T. Fields, Arlington, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 2, 1937, Serial No. 145,935
9 Claims. (Cl. 18—58)



1. Process of polymerizing a liquid composition comprising a monomeric polymerizable organic compound, in elongated shapes, which comprises introducing into a substantially vertically positioned elongated mold closed at the lower end a plurality of successive portions of the said liquid composition having successively lower viscosities, the difference in viscosity between successive portions being sufficient to prevent any substantial commingling thereof, and subjecting said composition to heat and simultaneously to pressure until said composition is polymerized to a solid body, the heat to which any of said portions of said liquid composition is subjected, not exceeding the heat to which any lower disposed portion of said liquid composition is subjected.

2,136,425
APPARATUS FOR POLYMERIZATION OF ORGANIC COMPOUNDS
Charles M. Fields, Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application January 13, 1938, Serial No. 184,728
7 Claims. (Cl. 18—39)



1. An apparatus for polymerization of organic compounds at elevated temperatures which comprises the combination of an elongated, untapered, open-ended metal mold and a removable plug in one end of said mold, said plug comprising a mass of polymerized organic compound of such cross section that at the temperature of polymerization said plug seals said mold liquid-tight while at room temperature said plug is slidable in said mold, and comprising also a metal member anchored within said mass and forming a metal face on the inner end of said plug of slightly less than the full cross section of said plug.

2,136,426
STOCKING
Robert A. Folkman, Charlotte, N. C., assignor to Nebel Knitting Company, Charlotte, N. C., a corporation of North Carolina
Application June 7, 1937, Serial No. 146,883
1 Claim. (Cl. 66—182)



A full-fashioned stocking having a seam extending longitudinally of the same and comprising a doubled or welt portion interknitted at its lower edge, a top leg portion interknitted with the lower edge of the welt portion and being single ply and of substantially the same yarn as that from which the welt portion is knitted, a main leg portion of the sheer type interknitted with the lower edge of the top leg portion and having a plurality of courses of leg yarn knitted in the lower courses of the top leg portion, and a re-enforcing area disposed on each side of the seam of the stocking and extending from the lower edge of the top leg portion into the sheer main leg portion, and interknitted with the top leg portion and the main leg portion.

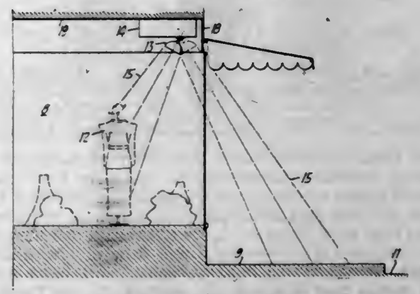
2,136,427
INDIGOID DYE REDUCTION PRODUCTS AND PROCESSES FOR MAKING THE SAME
Arthur L. Fox, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 28, 1932, Serial No. 635,198
1 Claim. (Cl. 260—331)

The process of preparing a reduction product of a thioindigo dye which comprises reducing the dye in a reaction medium consisting of an alkali metal hydrosulphite and water, and heating in the reaction medium until a stable leuco of the dye is formed.

2,136,428
UNSYMMETRICAL MODIFIED LEUCO DERIVATIVES OF INDIGOID DYES
Arthur Lawrence Fox, Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 21, 1935, Serial No. 46,055
3 Claims. (Cl. 260—322)

1. The process of preparing reduction products of thionaphthene indolindigoid dyes which comprises reducing a thionaphthene indolindigoid dye which is mono-substituted in the aromatic portion of the thionaphthene nucleus by a substituent selected from the group consisting of halogen, lower alkyl and lower alkoxy radicals, with an alkali metal hydrosulfite reducing agent in an aqueous medium in the absence of added alkalies and which is acidic during the reduction.

2,136,429
ADVERTISING DEVICE
George H. Forsyth, Oak Park, Ill.
Application June 22, 1936, Serial No. 86,491
3 Claims. (Cl. 240—6)

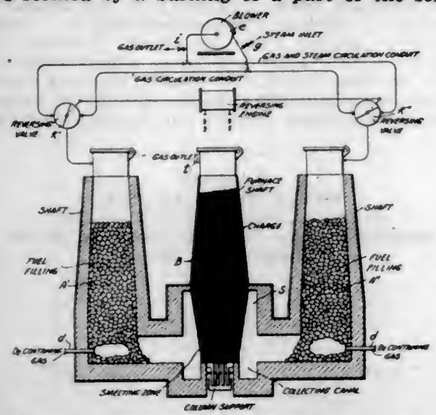


3. In a sidewalk display window having an opaque area above a windowed portion thereof, an illuminating device comprising, a housing installed within the display window adjacent the opaque area above the windowed portion whereby the housing is substantially concealed from the exterior of the display window, a light supporting rod extending both inside and outside said housing and mounted upon a wall of said housing for movement in a plurality of different directions, a source of light at the outer end of said rod projecting a beam of light in a generally downwardly direction, a motor in said housing, and means operatively connecting the inner end of said light supporting rod to the motor to cyclically move said beam of light to follow a predetermined path located partly exteriorly and partly interiorly of the display window whereby to alternately illuminate a substantial portion of the sidewalk and articles disposed within the display window.

2,136,430
PROCESS FOR THE SMELTING AND REDUCTION OF MINERALS
Mathias Frankl, Augsburg, Germany, assignor to American Oxythermic Corporation, New York, N. Y., a corporation of Delaware
Application March 27, 1936, Serial No. 71,119
In Germany August 26, 1931
11 Claims. (Cl. 23—208)

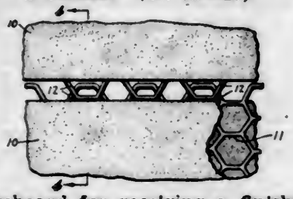
1. In a smelting process wherein a charge is introduced into a furnace communicating with separate solid fuel filled heat yielding and heat storing zones, said charge being heated by gases raised to smelting temperature by contact with

highly heated solid fuel in the heat yielding zone and by a combustion of a part of such fuel by introduction thereinto of an oxygen containing gas, and the thus highly heated gas mixture passing around the charge undergoing treatment and being withdrawn through the body of solid fuel in the heat storing zone, the improvement which comprises introducing steam into the body of highly heated fuel in the heat yielding zone whereby a combustible gas is produced, intermixing the thus produced gas with a combustion gas formed by a burning of a part of the solid



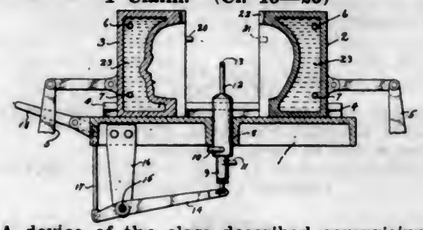
fuel thus diluting such gas with attainment of proper smelting temperature, causing the intermixed gases to circulate through the furnace and heat storing and heat yielding zones in sequence, whereby said charge is heated, and alternately and periodically reversing the flow of the heated gases through the heat yielding and heat storing zones and around the charge in the furnace so that the zone previously functioning as the heat yielding zone becomes the heat storing zone and the previously acting heat storing zone becomes the heat yielding zone.

2,136,431
BASEBOARD FOR PLASTER AND THE LIKE
Charles S. Gardaile, Long Island City, N. Y.
Application December 13, 1937, Serial No. 179,412
2 Claims. (Cl. 72—40)



1. A baseboard for receiving a finishing coat of plaster used in the construction of walls, partitions and the like comprising a substantially rectangular slab of plastic material, a sheet of expanded metal lath embedded into said slab, said metal lath forming a continuous unbroken mesh of interfitting polygons, the edges of said lath projecting beyond the edges of said slab and with the edges of the rectangular slab cutting across the polygons to leave portions of the polygons at the edge of the lath and beyond the slab uncovered and thereby forming a series of closed loops extending around said slab and adapted to register with the loops of the adjacent slabs in aligned superimposed relationship to form a perforated keyway for the reception of the plaster which forms a key penetrating into said superimposed loops interlocking said slabs.

2,136,432
APPARATUS FOR MOLDING
Salvatore Gattuso, Ozone Park, N. Y., assignor to Toyers of Summit, Inc., Summit, N. J.
Application March 4, 1935, Serial No. 9,239
1 Claim. (Cl. 18—26)

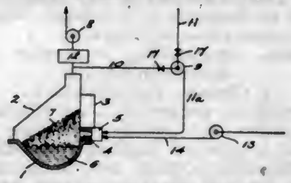


A device of the class described comprising in combination a table, guideways on said table, two sections of a mold movable in said guideways toward and away from each other, chambers in each of said sections for the circulation of a cooling medium, a chamber supported by said table for the circulation of additional cooling medium, said last mentioned chamber extending vertically between the said mold sections, said mold sections being provided with an opening for the admission of a molding material into said mold, the surface of said molding material being chilled throughout by the cooling medium in the sections of the mold and in the additional cooling chamber, means for circulating the cooling medium in said chambers, a rod extending through said additional cooling chamber to temporarily support a wire transversely in said mold to be embedded in the molding material and means for withdrawing said rod.

2,136,433
PREPARING CHAMOIS LEATHER
Georges Robert Gasnier, La Suze, France, assignor to Jacques Wolf & Company, Passaic, N. J., a corporation of New Jersey
No Drawing. Application December 12, 1936, Serial No. 115,586
4 Claims. (Cl. 149—5)

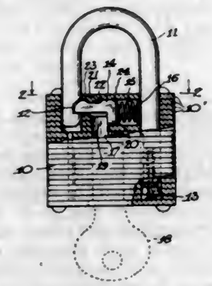
1. The method of treating skins to impart thereto a chamois leather character and render them resistant to boiling water which consists in incorporating in the skins and in the presence of each other an acidified dichromate solution and a tanning oil.

2,136,434
PROCESS FOR TREATING LEAD ORES
Kurt Rudolf Göhre, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y., a corporation of New York
Application May 13, 1937, Serial No. 142,426
In Germany May 18, 1936
11 Claims. (Cl. 75—77)



1. The process for treating lead ores by the roasting reaction process which comprises establishing a charge containing lead ore on a furnace hearth, and forcing gases therethrough capable of supporting roasting and containing less free oxygen than air whereby molten lead is produced with less vaporization of lead.

2,136,435
PADLOCK
Charles E. Habram, Milwaukee, and Daniel J. Foote, West Allis, Wis., assignors to Master Lock Company, Milwaukee, Wis., a corporation of Wisconsin
Application September 9, 1937, Serial No. 162,960
11 Claims. (Cl. 70—38)



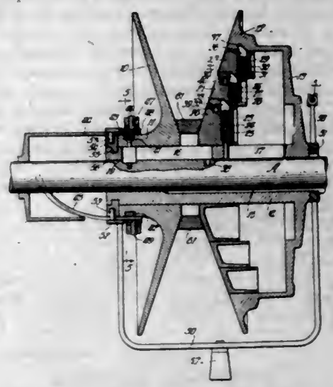
1. In a padlock, the combination of a lock case, a shiftably mounted shackle, and a spring-pressed bolt in said case engageable with said shackle to lock said shackle, said case and bolt having shoulders releasably engageable with each other to resist jarring of said bolt from locking position, and said shackle when moved inwardly from normal locking position permitting release of said shoulders and retraction of said bolt.

2,136,436
LAMINATED ARTICLE
John W. Haught, Arlington, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 13, 1936, Serial No. 63,732
3 Claims. (Cl. 49—81)

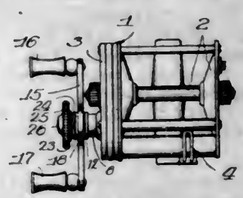
1. Laminated glass comprising a sheet of glass and bonded thereto an interlayer sheet comprising 100 parts of cellulose nitrate and 60–150 parts of a plasticizer composition therefor composed of 83–17% of diamyl phthalate and 17–83% of octadecanediol-1,12 diacetate.

2,136,437
VARIABLE SPEED TRANSMISSION
Jan H. Hollestelle, Evanston, Ill., assignor, by mesne assignments, to U. S. Electrical Motors, Inc., a corporation of California
Application March 14, 1931, Serial No. 522,591
Renewed September 29, 1937
12 Claims. (Cl. 74—230.17)

9. In an adjustable diameter pulley structure, a pair of sections having opposed inclined belt engaging faces, forming by relative axial adjustment, variable effective diameters, a shaft upon which said pulley sections are supported, one of said pulley sections having a plurality of concentric parts, means for moving the outermost part, a radial pin carried by the innermost part and adapted to be received in a recess in the shaft, and means operated by relative axial movement of the next concentric part for causing said pin to be moved out of the recess.



2,136,438
ADJUSTABLE TENSION CLUTCH FOR FISHING REELS
Ole Horsrud, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application January 15, 1936, Serial No. 59,273
1 Claim. (Cl. 242—84.7)

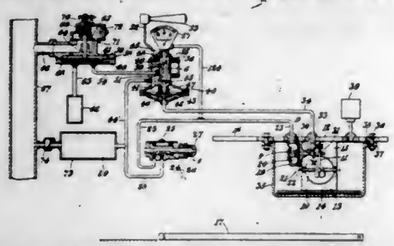


In a fishing reel having a driving shaft and a manually operatable handle directly mounted thereon by means of an opening therein through which said shaft extends, a slip clutch device operatively connected to said shaft and said handle and comprising friction elements each having a face adjacent the opposite sides of said handle and being so constructed and arranged as to rotate with said shaft but to move axially with respect to said shaft, said handle having a hub provided with recesses in its opposite side faces and around said shaft for receiving said friction elements, bottoms of said recesses forming friction surfaces for cooperation with the adjacent faces of said friction elements, tension means for varying the friction between said friction surfaces and said friction elements, and spaced abutments on said shaft with one of said abutments fixed to said shaft and another of said abutments axially adjustable with respect to said shaft, said adjustable abutment operating against said tension means.

2,136,439
TRAIN CONTROL SYSTEM
Alfred Ernest Hudd, Worth, Crawley, England
Application February 2, 1937, Serial No. 123,706
In Great Britain February 8, 1936
19 Claims. (Cl. 246—63)

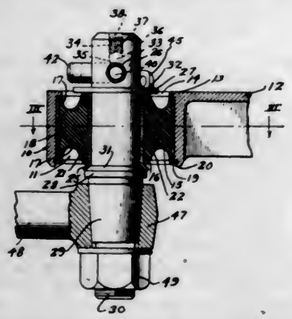
1. A train control system comprising track magnets at various signal locations, a receiver

on the train having a permanently polarized member mounted to move between fixed limits, a pneumatic brake system having a train-pipe valve, a governor-type relay-device controlling said drain pipe valve, a conduit extending from the receiver to said relay-device, a valve in said conduit operatively connected to said polarized member, means in the receiver which tend to retain the polarized member at either of said limits, each of which track magnets is so dis-



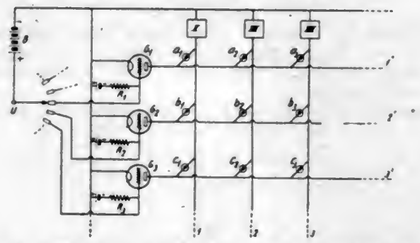
posed in relation to the polarized member that when the magnets are traversed in the direction to which the signal applies, movement of the polarized member will take place only in one direction during said traverse to apply the brakes, means associated with the signal system on the track for at times countering the effect of the track magnets on the receiver and means under the control of the driver for resetting the polarized member to a position to release the brakes.

2,136,440
TRAILER HITCH
George H. Hufferd, Detroit, Mich., assignor to Thompson Products, Incorporated, Cleveland, Ohio, a corporation of Ohio
Application March 19, 1937, Serial No. 131,796
3 Claims. (Cl. 280—33.15)



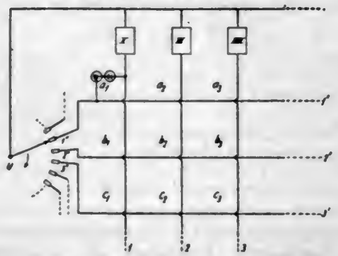
1. A trailer hitch comprising a housing having a cylindrical bore therethrough, an inturned flange on one end of said bore defining a restricted annular opening thereto, a cylindrical rubber block having a cover secured to the outer periphery thereof seated in said bore in abutting relation to the flange of the housing, a ring secured in the housing for abutting the other face of the block to hold the block in the housing, annular grooves in the faces of the black adjacent the outer periphery thereof, said cover secured to the rubber block rigidifying the ends of the outer wall of the block against collapse, said block having a cylindrical bore therethrough, a bearing sleeve seated in said bore, a stud extending through said bearing sleeve and a retaining pin to hold the stud in the sleeve.

2,136,441
TELEVISION SYSTEM
August Karolus, Leipzig, Germany, assignor to Radio Corporation of America, a corporation of Delaware
Application April 8, 1935, Serial No. 15,155
In Germany April 21, 1934
4 Claims. (Cl. 178—7.3)



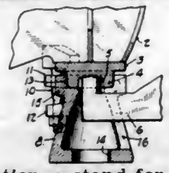
1. A television viewing panel comprising a series of abscissa conductors and a series of ordinate conductors, arranged in mesh-like formation, the said ordinate and abscissa conductors being electrically separated one from the other, a uni-directional conducting element connecting each of the intersection points of the mesh-like formation for conveying electrical energy between intersecting ordinate and abscissa conductors in one direction only, said uni-directional conducting elements each being adapted to produce light during current flow therethrough, means to energize the several conductors of one series, and an electrical discharge tube normally biased to cut-off connected with each abscissa conductor and commutator means to overcome the normal bias of said discharge tubes to render said discharged tubes conducting and to energize associated conductors sequentially.

2,136,442
TELEVISION SYSTEM
August Karolus, Leipzig, Germany, assignor to Radio Corporation of America, a corporation of Delaware
Application April 8, 1935, Serial No. 15,156
In Germany April 19, 1934
3 Claims. (Cl. 178—7.6)



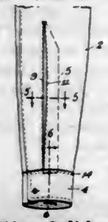
1. In image reproducing apparatus wherein there are provided a plurality of light sources arranged in mesh-like manner, a series of ordinate and abscissa conductors connecting said light sources in said mesh-like manner, a plurality of signal controlled energizing means connected individually with one series of said conductors and a distributor connected so as to energize sequentially upon rotation the other series of conductors and thereby cause the illumination of the light source at the intersection point of the energized conductors of each set and means for limiting the flow of signal energy to a single point only in said mesh instantaneously.

2,136,443
STAND FOR TANKS
William R. Kepler, Wauwatosa, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application September 15, 1937, Serial No. 163,877
4 Claims. (Cl. 214—113)



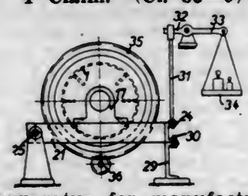
1. In combination, a stand for an object to be hoisted interposed between said object and a supporting base, said stand having a slot therein, and a hoisting hook to enter said slot and engage the underside of said object.

2,136,444
SLEEVE AND EXPANSION INSERT THEREFOR
Louis Kohn, New York, N. Y.
Application April 23, 1937, Serial No. 138,540
1 Claim. (Cl. 2—125)



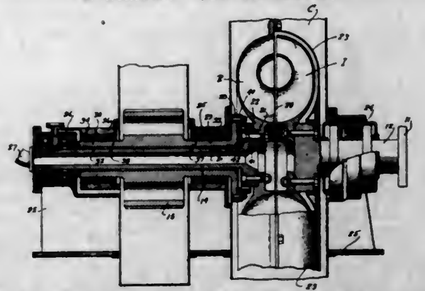
A shirt provided with a full length sleeve having a cuff with an opening and means for disengageably holding the cuff closed, said sleeve being formed with a fullness from adjacent the elbow to the cuff end, said fullness being formed as a single triangular expansible panel normally lying flat and extending from adjacent the elbow to the cuff with the point adjacent the elbow of the sleeve and the wide end at the cuff, said panel being part of the outside part of the sleeve so that as the arm of a person using the shirt bends at the elbow the panel will expand approximately from the elbow to the cuff and then move back to a flat position when the arm is straightened, said wide end of said panel being positioned parallel with the edge of said cuff and a seam connecting the cuff to the sleeve and said wide end to the cuff in permanent folded position.

2,136,445
APPARATUS FOR THE MANUFACTURE OF METAL POWDER
Erwin Kramer, Berlin, Germany, assignor to the firm Metallpulver A. G., Gerlafingen, Switzerland
Application March 29, 1935, Serial No. 13,685
In Germany March 5, 1934
1 Claim. (Cl. 83—9)



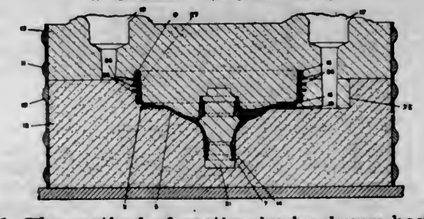
In an apparatus for manufacturing bronze powder, in combination with a drum containing a large number of small steel balls adapted to be raised and dropped in said drum, means for rotating said drum, means for continually feeding the metal to be comminuted to said drum, an inlet conduit intermediate said feeding means and said drum being airtightly connected to said drum, an outlet conduit on said drum being airtightly connected thereto, a sifting means, a conduit leading thereto from said outlet conduit, a blower causing a current of air to pass through said drum for continually carrying away from said drum the beaten powder particles through said outlet conduit, a support, a frame rotatably supporting said drum and releasably connected to said support, a scale comprising a scale-beam and a weighing pan suspended from one arm of said scale-beam, and a link connecting the other arm of said scale-beam with said frame.

2,136,446
DRIVING ASSEMBLY
Austin Kuhns, Buffalo, N. Y., assignor to Farrel-Birmingham Company, Incorporated, Buffalo, N. Y., a corporation of Connecticut
Application June 4, 1937, Serial No. 146,447
4 Claims. (Cl. 74—189.5)



1. In a driving assembly, a hydraulic clutch comprising an impeller element and a runner element, a shaft supporting the impeller element and adapted for connection with a power source, a shaft supporting the runner element, thrust bearings preventing axial displacement of said shafts, a driving pinion of the herringbone type journalled concentric with and on said runner element supporting shaft and having spline connection with said runner element, and a driven gear of the herringbone type meshed by said pinion, said spline connection permitting axial movement of said pinion relative to said runner element to follow any axial displacement of said driven gear.

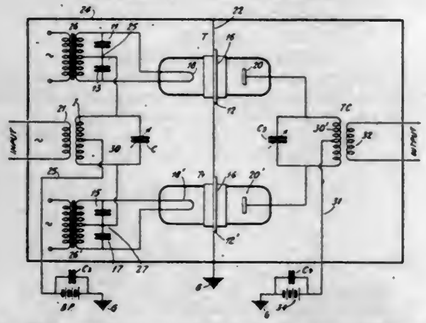
2,136,447
MANUFACTURE OF BRAKE DRUMS
Frank H. Le Jeune, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application May 25, 1936, Serial No. 81,754
2 Claims. (Cl. 22—203)



1. The method of casting brake drums having separated web and braking surface portions

which consist in forming spaced web and braking surface cavities in a mold, preventing the flow of metal from one cavity to the other by positioning a connecting ring in the mold with the inner and outer portions of the ring extending into the cavities, and casting the web and braking surface portions on the connector with the said inner and outer portions embedded respectively in the web and braking surface.

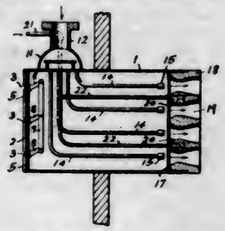
2,136,448
RADIO FREQUENCY RELAY
Nils E. Lindenblad, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 14, 1932, Serial No. 605,274
16 Claims. (Cl. 179—171)



2. The method of translating ultra high frequency oscillations by means of a pair of thermionic tubes, each having a control electrode and a symmetrically tapped cathode heating circuit which includes the steps of setting up oscillations at ultra high freuqency between the electrical centers of said cathode heating circuits, and maintaining said control electrode at substantially ground alternating current potential.

12. In combination with an electrostatic shield for separating a pair of tuned circuits, a thermionic tube comprising an envelope containing an anode, a cathode, and a control electrode positioned between said anode and cathode, said control electrode forming a continuing portion of said shield, one of said tuned circuits being connected to said anode and the other to said cathode.

2,136,449
GAS BURNER
John E. Loeffler, Houston, Tex., assignor to Lena Belle F. Loeffler, Houston, Tex.
Application March 18, 1935, Serial No. 11,611
2 Claims. (Cl. 158—104)

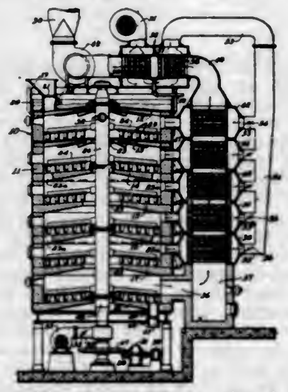


1. In a burner, a casing enclosing a chamber, the forward wall of the casing being composed of refractory material, said forward wall having a forwardly directed passageway therethrough, a nozzle in the chamber aligned with the passageway and having a flared nozzle opening directed to discharge the fuel against the walls at the inner ends of the passageway, gas supply means for supplying gas, under pressure, to the nozzle, a shutter unit bodily attachable to and removable from the casing for controlling the flow of air through the casing.

2,136,450
PREPARATION OF PIGMENTED PLASTICS
Barnard M. Marks, Arlington, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 2, 1936, Serial No. 72,445
3 Claims. (Cl. 106—22)

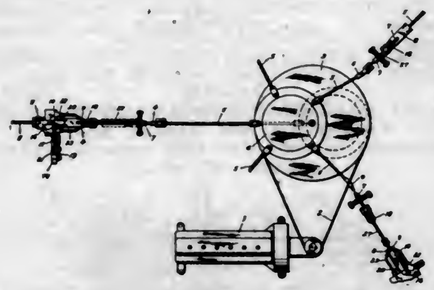
1. In the preparation of pigmented polymerized methyl methacrylate, the steps comprising dissolving paraffin wax in pigment proportions but not in substantial excess of 2% by weight of the total composition in monomeric methyl methacrylate, and then polymerizing said monomeric methyl methacrylate.

2,136,451
INCINERATION
Warren S. Martin, Bayside, N. Y., assignor, by mesne assignments, to Underpinning & Foundation Company, Inc., New York, N. Y., a corporation of New York
Application December 1, 1936, Serial No. 113,588
9 Claims. (Cl. 110—8)



3. In combination with a tiered multiple-hearth furnace comprising a plurality of vertically-spaced hearths dividing the furnace into a plurality of compartments and having outlets, rabbling means for keeping the material in layers on successive hearths and working it to the outlets to feed material downwardly from hearth to hearth to the bottom where the solid residue is discharged, means for supplying air to one compartment of said furnace and means for withdrawing hot combustion gases from another compartment of the furnace, a plurality of heat exchange sections through which the hot combustion gases pass in series with a temperature drop for each section and through which separate streams of air are passed for preheating, and means for leading preheated air from the first heat exchange section to a high-temperature compartment of the furnace, from the second section to a lower temperature compartment and from other lower temperature heat exchange sections to corresponding compartments.

2,136,452
SAFETY PULL-ROD CONNECT AND DISCONNECT MACHINE
Lawrence Jefferson McKinney and Christian Winther Jensen, Detroit, Mich.
Application June 25, 1935, Serial No. 28,342
9 Claims. (Cl. 74—593)



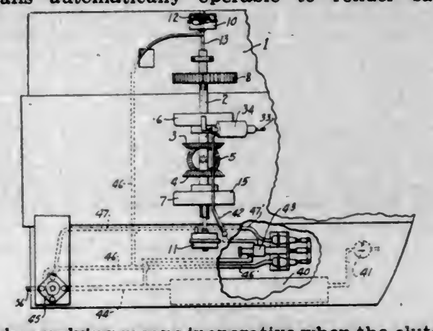
9. In a mechanism of the class described, a reciprocating power pull-rod line joined at one portion by connect-disconnect device comprising a hook, a latch holder and semi-automatic latch for engaging said hook, a stationary frame, a sliding safety lock on said frame for engaging said latch holder, and manually operable means adapted to successively slide said safety lock into engagement with said latch holder and to release said latch from said hook.

2,136,453
PROCESS FOR OBTAINING A VITAMIN PREPARATION
Harvey M. Merker, Detroit, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application May 22, 1933, Serial No. 672,356
3 Claims. (Cl. 87—6)

1. The process of obtaining a therapeutic product of high vitamin value comprising cooking halibut livers at a temperature up to 85° C., removing excess water, extracting the cooked liver residue with ether, adding anhydrous sodium sulphate to said extract to remove moisture therefrom, percolating said extract through permutit and removing the ether thereby leaving a golden yellow to amber oil having a vitamin A potency not less than 32,000 U. S. P. X. units per gram of oil and having not less than 2,000 A. D. M. A. vitamin D units per gram of oil, said oil having a free fatty acid content of less than 1%, a nitrogen content of less than $\frac{1}{10}$ of 1% and containing substantial amounts of saponifiable oil.

2,136,454
REVERSE DRIVE CONTROL MECHANISM
George E. Miller, Findlay, Ohio, assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio, a corporation of Ohio
Application August 7, 1937, Serial No. 157,940
9 Claims. (Cl. 192—4)

1. In combination, a driven member capable of movements in opposite directions, means including a clutch for driving said member in one direction, a brake for preventing member driving action of said means, controlled differential fluid pressure means operable to apply said clutch, differential fluid pressure means normally acting to apply said brake, and fluid pressure controlled means automatically operable to render said



brake applying means inoperative when the clutch applying means is rendered operative.

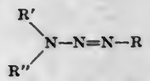
2,136,455
DIESEL FUEL
Robert C. Moran, Wenonah, and Everett W. Fuller and George S. Crandall, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application August 11, 1936, Serial No. 95,422. Renewed June 2, 1938
2 Claims. (Cl. 44—9)

1. An improved Diesel fuel comprising a mineral hydrocarbon fuel and in admixture therewith a minor proportion of diazo-amino-benzene, sufficient to decrease the ignition delay period of the fuel.

2,136,456
DIESEL FUEL
Robert C. Moran, Wenonah, and Everett W. Fuller and George S. Crandall, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application September 15, 1937, Serial No. 163,912
12 Claims. (Cl. 44—9)

1. An improved Diesel fuel composition comprising: a hydrocarbon fuel oil and in admixture therewith a minor proportion of a triazene which is characterized by the presence of at least one aryl nucleus, said triazene comprising a sufficient proportion of the composition as a whole to decrease the ignition delay period of the fuel.

5. An improved Diesel fuel comprising: a hydrocarbon fuel oil and in admixture therewith a minor proportion of a compound having the probable formula:

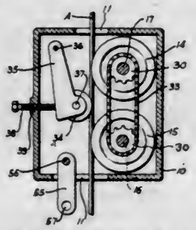


in which R represents an aryl radical or a substituted aryl radical and R′ and R″ represent hydrocarbon radicals or the hydrocarbon portion of a heterocyclic radical containing a nitrogen atom, said compound being present in an amount sufficient to decrease the ignition delay period of the fuel.

2,136,457
MEASURING DEVICE
Jeddy D. Nixon, Houston, Tex., assignor of one-half to Wilson Supply Company, Houston, Tex., a corporation of Texas
Application November 22, 1937, Serial No. 175,905
2 Claims. (Cl. 33—134)

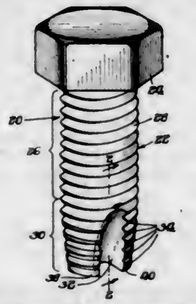
1. A measuring device including, a casing hav-

ing aligned openings in its top and bottom for accommodating an element extending through the casing and into a well, a pair of pulleys mounted in vertical alignment within said casing and journaled in the walls of said casing, each of said pulleys having a circumferential groove which is adapted to be frictionally engaged by the element extending through said casing, whereby movement of the element imparts rotation to said pulleys, an arm pivotally mounted within said casing, a single roller on the swinging end of said arm within said casing and located in a hori-



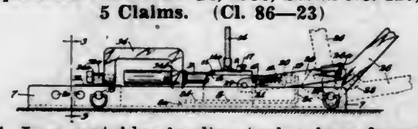
zontal plane substantially mid-way between the centers of said pulleys, said roller engaging the element to hold the same in engagement with the circumferential grooves on said pulleys, a screw extending through one wall of said casing for engaging the swinging end thereof for varying the position of said roller to vary the tension on the element confined between said roller and said pulleys, and a registering mechanism connected with one of said pulleys for registering the rotations thereof, whereby the location of the lower end of the element extending through the casing and into a well may be determined.

2,136,458
TAPPING SCREW
Carl G. Olson, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application April 16, 1935, Serial No. 16,633
16 Claims. (Cl. 85—47)



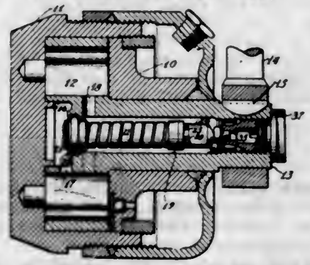
1. A tapping screw including a body having a threaded holding portion and a hardened threaded tapping portion at one extremity thereof, the thread on the tapping portion being circumferentially unrelieved and decreasing in external diameter toward the entering end to facilitate its initial application to an unthreaded aperture in a work piece, thread convolutions on said tapping portion presenting peripheral V-shaped ridges, a recess traversing said thread convolutions on said tapping portion to present a serrated cutting edge, said recess being of sufficient cross section to accommodate material removed by said cutting edge when the screw is continuously turned in a work piece, thread sections on said tapping portion receding from said cutting edge being sufficiently rigid to exert a compressive force when turned within the work piece, whereby to cause material of the work piece to be more aggressively presented to said cutting edge, and said recess including means for deflecting cut-away material entering said recess to a point externally of the recess, whereby to enable the continuous rotation of the screw during the tapping operation.

2,136,459
CARTRIDGE LOADING TOOL
Charles M. O'Neil, Hopkins, Minn.
Application November 14, 1936, Serial No. 110,878
5 Claims. (Cl. 86—23)



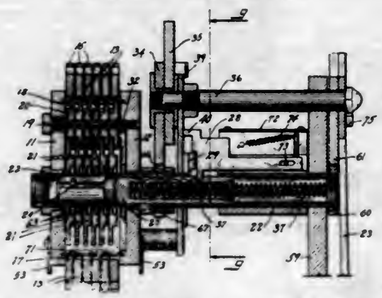
1. In a cartridge loading tool, a base frame, a cartridge case carriage mounted for longitudinal sliding movement on said base frame, said carriage having its forward end provided with means for retaining a cartridge shell and automatically fed, repriming mechanism comprising, a primer carrying sleeve mounted in the upper portion of said carriage for limited sliding movement longitudinally of said carriage and being axially aligned with said cartridge case retaining means and having a primer receiving opening in the top portion thereof adjacent its forward end, a primer magazine secured to the top of said carriage and extending upwardly therefrom in communication with the interior of said carrying sleeve in a predetermined position of said sleeve relative to said carriage, a re-priming pin slidably mounted within said carrying sleeve and axially aligned therewith and means for abutting the outer end of said re-priming pin when the same has been moved by said carriage a predetermined distance rearwardly, whereafter further movement of said carriage rearwardly will cause said carrying sleeve and said re-priming pin to be projected forwardly relative to said carriage.

2,136,460
SHOCK ABSORBER VALVE
Adolph Peteler, Freeport, N. Y.
Application December 22, 1937, Serial No. 181,102
7 Claims. (Cl. 188—100)



1. In a hydraulic device, a member having a bore, the member being laterally ported for fluid passage, a helically formed bimetallic thermostat in said bore, one end of the thermostat being fixed to the member at an end of said bore, a ported sleeve fixed to the other end of said thermostat for rotation therewith in response to temperature changes, a tube within said thermostat having a port registering with the sleeve port and rotationally adjustably mounted in said member, for temperature calibration of sleeve and tube port opening overlap, and means at the other end of said member, bearing upon said sleeve, for adjusting the axial position of the port thereof relative to said tube port.

2,136,461
MARKING MACHINE
William S. Petty, Denver, Colo., assignor to Russell Young and William Young, both of Denver, Colo.
Application February 4, 1937, Serial No. 124,052
13 Claims. (Cl. 101—97)



1. In a marking machine, a series of annular type wheels having internal gear teeth; a hollow sleeve serving as a bearing for said type wheels; an independent driven gear for each of said type wheels meshing with the internal teeth thereof; an independent drive gear meshing with each of said driven gears, all of said gears being located within said sleeve; and means for selectively rotating said drive gears.

2,136,462
METHOD OF MAKING TUBULAR ARTIFICIAL TEXTILE THREADS
René Picard, Lyon, and René Fays, Villeurbanne, France, assignors to Societe Alsa in Basle, a corporation of Switzerland
Application May 21, 1935, Serial No. 22,517
In France May 24, 1934
8 Claims. (Cl. 18—54)



1. In a process of making artificial thread formed of unitary fibers, each of said fibers being substantially tubular throughout substantially the entire length thereof, the steps which comprise spinning a viscose solution capable of producing hollow filaments in a spinning bath, causing the thread to travel for a distance of not over 25 centimeters in the spinning bath to incompletely fix the thread, and then causing the thread to travel in the air for a distance of at least 150 centimeters to substantially completely fix the thread.

2,136,463
METHOD OF PREPARING TUBULAR ARTIFICIAL TEXTILE THREADS
René Picard, Lyon, and René Fays, Villeurbanne, France, assignors to Societe Alsa in Basle, a corporation of Switzerland
No Drawing. Application May 21, 1935, Serial No. 22,518. In France May 25, 1934
7 Claims. (Cl. 18—54)

4. In a process of producing threads composed of filaments, each of which is tubular throughout its length and has a denier less than 2, the steps which comprise spinning a viscose solution capable of producing hollow filaments into a bath containing sulphuric acid and sodium sulphate in the ratio of approximately 1 part of sulphuric acid to 1.5 parts of sodium sulphate, the total quantity of both the said sulphuric acid and the said sodium sulphate being in excess of approximately 373 grams per liter, causing the thread to travel in said bath for a distance not in excess of 25 centimeters, withdrawing the thread from said bath and causing it to travel in the air for a distance of not less than 150 centimeters.

2,136,464
METHOD OF PREPARING TUBULAR ARTIFICIAL TEXTILE THREADS
René Picard, Lyon, and René Fays, Villeurbanne, France, assignors to Societe Alsa in Basle, a corporation of Switzerland
No Drawing. Application July 24, 1936, Serial No. 92,392. In France August 1, 1935
2 Claims. (Cl. 18—54)

1. In a method of producing artificial threads formed of a plurality of unitary fibers, each of said fibers being of a titer less than 2 deniers and substantially tubular throughout substantially its entire length, the step of spinning a viscose solution capable of producing hollow filaments in a coagulating and regenerating bath, the temperature of which varies inversely to the desired elementary titer and the minimum temperature being according to the formula:

$$T=a-bd,$$

wherein:

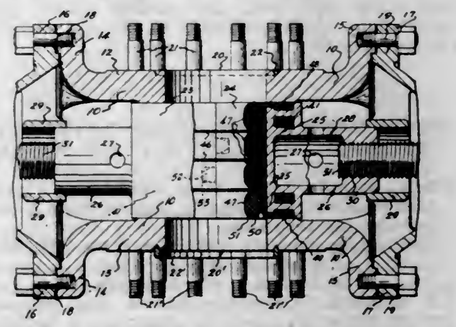
T represents the temperature in degrees centigrade and is not less than 55° C.

a=70 to 75

b= 9 to 11

d=the elementary titer (in denier) of the fibers to be produced.

2,136,465
OIL SAVER
Albert Pranger and Homer F. Carrington, Dallas, Tex., assignors to The Guiberson Corporation, Dallas, Tex., a corporation of Delaware
Application September 28, 1936, Serial No. 102,963
3 Claims. (Cl. 251—51)



1. In an oil saver, a body housing having top and bottom openings for the passage of an element therethrough to be packed off, and a pair of opposed packing blocks slidably fitted in said body housing, each packing block comprising a cage-like body frame having a shank extension

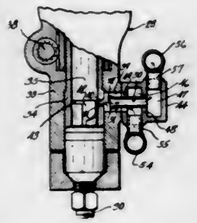
provided with operating screw actuating means whereby said blocks may be moved towards and from each other to engage and disengage the interposed element within the body housing, and a body of resilient compressible material molded into and covering said cage-like body frame, the top, bottom and side faces of said body of resilient compressible material being shaped to slidably fit corresponding interior face portions of said body housing and the meeting portions of said pair of packing blocks being provided with interfitting ribs and grooves and formed with central semi-circularly recessed portions having a series of annular grooves providing separate annular collar portions to surroundingly engage the interposed element within the body housing with sealing effect, the top and bottom faces of said resilient compressible body being annularly grooved and the lowermost of said annular tube engaging collars being also annularly grooved on its underside.

2,136,466

FUEL SUPPLY SYSTEM

Frederick Ritz, Hamilton, Ohio, assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois

Application March 9, 1936, Serial No. 67,879
8 Claims. (Cl. 123—139)



1. In a liquid-fuel injection system for internal combustion engines, an injection pump provided with a fuel inlet port, means forming a supply chamber communicating with said pump inlet port, a supply connection to the chamber, an outlet connection from the chamber, a tubular conduit element in said chamber, provided for conducting fuel from the supply connection to the outlet connection through said chamber independently of the pump said tubular conduit having its inlet end spaced from and in line with said pump inlet port, and conduit means connecting the supply and outlet in a continuous circulating system.

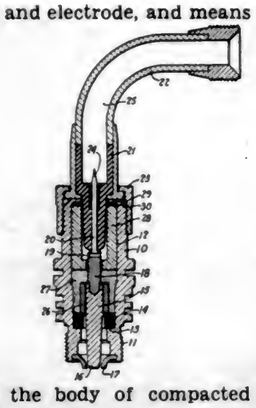
2,136,467

SPARK PLUG, INSULATING MATERIAL THEREFOR, AND METHOD OF MAKING THE SAME

Otto C. Rohde, Toledo, Ohio, assignor to Champion Spark Plug Company, Toledo, Ohio, a corporation of Delaware

Application April 22, 1937, Serial No. 138,397
In Canada May 16, 1936
19 Claims. (Cl. 123—169)

1. A spark plug comprising a shell of conducting material, a central electrode, a body of compacted and conglomerated powder between the shell and electrode, having interlocking particles forming a gas-tight joint, holding the shell and electrode in their desired relative positions, and constituting, for at least a portion of the length of the shell, the sole insulation between the shell and electrode, and means protecting the



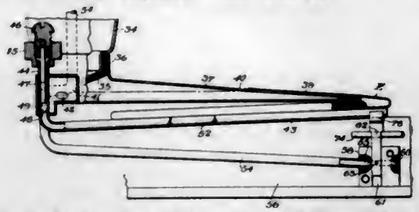
ends of the body of compacted powder from moisture.

2,136,468

MOISTENER

Waldo E. Rosebush, Millwood, Wash.

Application December 30, 1936, Serial No. 118,214
3 Claims. (Cl. 91—43)



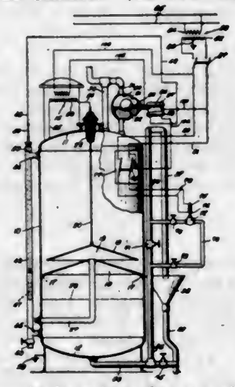
1. A device for applying suitable liquid to suitable material fed in a definite path, comprising a liquid font having a flexible liquid distributing tube projecting therefrom, means to flex said tube to apply liquid to said material at regular intervals, and means to introduce air into said tube above the liquid therein as the tube is applying liquid to said material.

2,136,469

CONTROL SYSTEM FOR ELECTRIC DEHYDRATORS

Arthur G. Sauer, Long Beach, Calif., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif., a corporation of California

Application December 17, 1934, Serial No. 757,909
18 Claims. (Cl. 204—24)



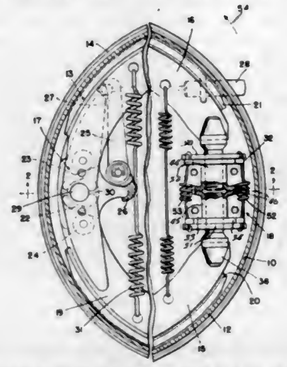
1. In a control system for an electric treater including a tank providing a liquid-containing chamber, the combination of: means for establishing an electric field in said tank; means responsive to the total quantity of liquid in said chamber and associated with said means for establishing said electric field to control the same in response to the quantity of liquid in said chamber; draw-off means through which liquid may be withdrawn from said chamber; control means associated with said draw-off means and including a valve means for controlling the flow therethrough; and means operatively connecting said valve means and said means responsive to the quantity of liquid in said tank whereby the flow through said valve means is controlled by said means responsive to the quantity of said liquid in said chamber, said responsive means controlling said establishing means and said control means to discontinue said field when said quantity of liquid becomes less than a predetermined amount and to close said valve means before said field is discontinued.

2,136,470

BRAKE MECHANISM

Charles A. Sawtelle, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware

Application July 26, 1937, Serial No. 155,801
13 Claims. (Cl. 188—79.5)



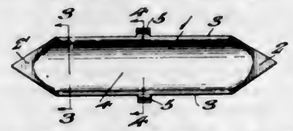
1. In brake mechanism, a brake drum, brake friction means supported within said drum and having spaced ends, a pair of links located between the ends of the friction means with the outer ends non-rotatably engaging said ends of the friction means and having the inner ends threaded with the threads on one link extending in one direction and with the threads on the other link extending in the opposite direction, and a pair of sleeves respectively threaded on the adjacent ends of the links for rotation relative to each other and adapted to be separately or simultaneously rotated to spread the ends of the friction means.

2,136,471

BONE PIN

Rudolph H. Schneider, Chestnut Hill, Mass.

Application June 30, 1937, Serial No. 151,068
4 Claims. (Cl. 128—92)



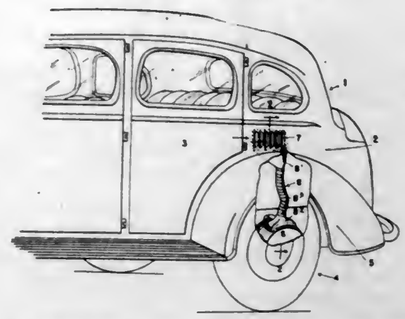
3. A fracture pin of non-living, absorbable material comprising a shaft, said shaft terminating in pointed ends; and longitudinal ridges running along said shaft.

2,136,472

BRAKE DRUM COOLING CONSTRUCTION

Charles W. Sinclair, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware

Application September 14, 1936, Serial No. 100,783
8 Claims. (Cl. 188—264)



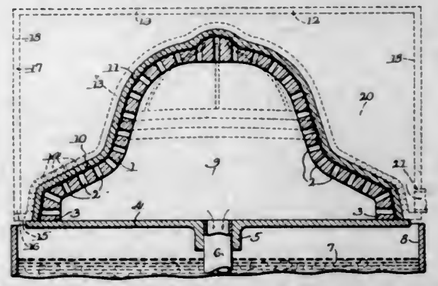
1. In a construction for cooling a brake drum of a motor vehicle, the combination with a motor vehicle body, means including a wheel for carrying said body and a brake drum for said wheel, of means dependent upon movement of the motor vehicle for creating movement of air past said brake drum, said means comprising a louvre upon said body and a conduit extending from said louvre to adjacent said brake drum.

2,136,473

HAT

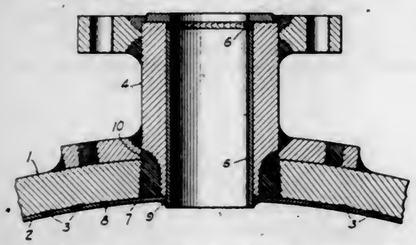
Edward C. Sloan, Geneva, and Gustave A. Sporre, St. Charles, Ill., assignors to Jesse B. Hawley, Geneva, Ill.

Application February 4, 1935, Serial No. 4,862
4 Claims. (Cl. 2—3)



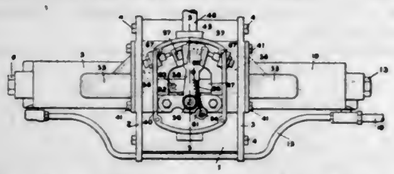
1. A hat comprising a body composed of compressed pulp material the fibers of which have been initially so accreted and compressed as to form a relatively thin substantially rigid integral unit of the desired form, a pre-formed covering complemental to the contour of said body and adhered to at least one surface thereof, said covering consisting of a single piece of woven fabric whose strands are uncut from edge to edge and conforming in size and shape with said body and free of tension and stress in all directions so as to maintain its contour independently of said body.

2,136,474
ALLOY LINING FOR TUBULAR PARTS
Stephen Straty, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application May 15, 1936, Serial No. 79,935
3 Claims. (Cl. 220—63)



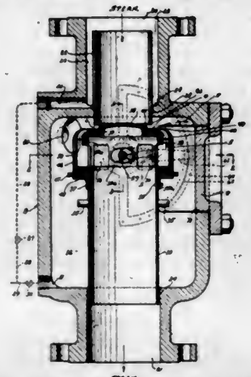
2. An alloy lining for a tubular connection and pressure vessel, comprising a cylindrical lining welded at its outer end to the connection and extending inwardly through the opening in the vessel wall, a corrosion-resistant lining for said vessel having an opening concentric with and larger than the opening in said tubular connection, an expansion disk substantially concentric with said openings and welded at its outer circumference to the edge of said corrosion-resistant lining for said vessel and to the vessel wall, and a corrosion-resistant fillet weld joining the inner edge of said expansion disk with the inner end of the cylindrical lining for said connection.

2,136,475
AIR COMPRESSOR
Fred H. Stroup, Kirkwood, and Burns Dick and Cyril B. Fites, Ferguson, Mo., assignors to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application June 30, 1937, Serial No. 151,162
7 Claims. (Cl. 230—53)



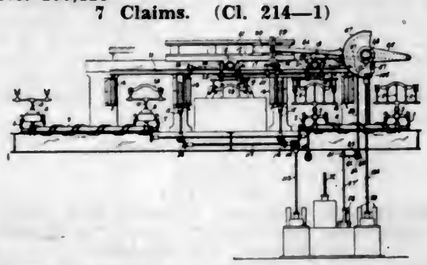
1. In an air compressor, a relatively large power cylinder, a smaller compressor cylinder in axial alignment with the large cylinder and opening directly into said large cylinder, a piston in the large cylinder, an imperforate piston rod carried by the large piston and extending into the compressor cylinder, said piston rod being of a diameter substantially the same as the compressor cylinder but of such smaller diameter as to permit the free passage of air between the surfaces of the rod and the cylinder, a compressor cylinder piston carried by the piston rod and capable of slight relative axial movement with respect to the rod, check valve means for permitting air to flow from the power cylinder and by way of the space between the piston rod and the compressor cylinder to the compressor cylinder ahead of the piston during the retractile stroke thereof, said check valve comprising a valve seat on the end of the piston rod and a valve element carried by the compressor piston and other valve means for alternately connecting the power cylinder with a source of partial vacuum and with the atmosphere.

2,136,476
SEPARATOR
Carl C. Thomas, Pasadena, Calif.
Application April 12, 1937, Serial No. 136,401
15 Claims. (Cl. 183—107)



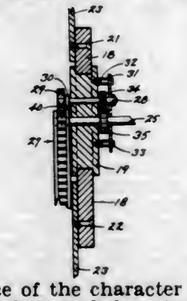
1. A separator of the type described, comprising an outer casing having a fluid inlet passage at one end, a fluid outlet pipe projecting into the casing from the other end and forming the inner wall of an annular separation chamber within the casing, said separation chamber having an outlet, means forming between the fluid inlet passage and the fluid outlet pipe a restricted annular fluid passage in open and direct communication with the annular separation chamber and in which the fluid is directed in a high velocity stream transversely outwardly of the inlet passage and the outlet pipe into the annular separation chamber, and passage forming means enclosing an annular passage communicating with the interior of the outlet pipe and having an annular intake opening surrounding and immediately adjacent the restricted annular fluid passage.

2,136,477
FRAME TRANSFERRING MECHANISM AND DRIVE THEREFOR
Julius B. Tiedemann, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Original application December 11, 1933, Serial No. 701,842, now Patent No. 2,057,351. Divided and this application September 12, 1936, Serial No. 100,416
7 Claims. (Cl. 214—1)



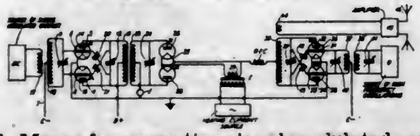
1. In combination, a conveyor truck disposed for horizontal reciprocation and for vertical reciprocation through a cycle of lowering and rising at each end of the path of horizontal reciprocation, article clamping means carried by the truck and disposed to grip an article when the truck is in its lowered position at one end of its horizontal reciprocation and to release the article when the truck is in its lowered position at the other end of its horizontal reciprocation, a constantly rotating crank connected to reciprocate said truck horizontally, a second constantly rotating crank operating in synchronism with said first crank and connected to reciprocate said truck vertically, means interposed between each of said cranks and the truck for effecting a predetermined length of dwell of the truck between successive horizontal reciprocative movements and between successive cycles of vertical reciprocative movements, and means operating in synchronism with said cranks for effecting operation of said clamping means in timed relation to said reciprocative movements.

2,136,478
STRAIGHT LIFT PUMP JACK
Alvin J. Travis, Hardesty, Okla., assignor to Frank E. Evans, Darrouzett, Tex.
Application November 4, 1937, Serial No. 172,701
7 Claims. (Cl. 74—31)



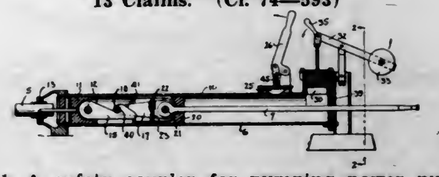
1. In a device of the character described, the combination with a rack bar, toothed on sides and ends, a supported guide member for the rack bar, and a driven shiftable pinion for reciprocatably driving the rack bar, of: an eccentric guide cam on each end of the rack bar; and a guide roller rotatably and concentrically mounted on the shaft which carries the shiftable pinion, whereby as the pinion shifts around the ends of the rack bar, the roller contacts the said cams respectively and partially forces the teeth of the pinion away from the end teeth of the rack bar preventing binding and excessive wear of the teeth.

2,136,479
MODULATION SYSTEM
Bertram Trevor, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application February 1, 1933, Serial No. 654,605
Renewed January 8, 1937
21 Claims. (Cl. 179—171)



7. Means for converting signal modulated oscillations of one frequency into signal modulated oscillations of another frequency and for maintaining the percent of modulation constant during said conversion comprising an electrode discharge tube amplifier having its input electrodes coupled to a source of signal modulated oscillations, a diode rectifier, means for coupling the input electrodes of said diode rectifier to the output electrodes of said amplifier, a source of high frequency oscillations, a second electron discharge tube amplifier having its input electrodes coupled to said source of high frequency oscillations, a resonant circuit connected between the output electrodes of said last named tube amplifier, said resonant circuit being tuned to the frequency of the oscillations from said source of high frequency oscillations, means for connecting the anode to cathode impedance of said diode rectifier in series with the output electrodes of said second named tube amplifier, and a translating device coupled to said resonant circuit.

2,136,480
SAFETY COUPLER CONNECTION FOR OIL WELL PUMPING POWERS
Walter C. Trout, Lufkin, Tex., assignor to Lufkin Foundry & Machine Company, Lufkin, Tex., a corporation
Application May 26, 1933, Serial No. 672,985
Renewed February 1, 1937
13 Claims. (Cl. 74—593)

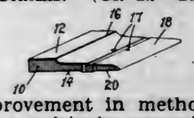


1. A safety coupler for pumping power pull lines including a housing, a pull line hook slidably mounted therein, a pull line link slidably mounted in said housing, means to normally hold said link in raised position, and means adapted to enter said housing to depress said link to hook engaging position.

2,136,481
PROCESS OF OBTAINING VITAMIN-CONTAINING OILS
Ferdinand H. Young, Lake Bluff, and Hugh D. Robinson, North Chicago, Ill., assignors to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
No Drawing. Application May 22, 1933, Serial No. 672,344
7 Claims. (Cl. 87—6)

1. The process of extracting livers containing oils rich in vitamins A and/or D comprising treating said livers with a water solution, adding caustic alkali in amount sufficient to liberate the oil from the solid but insufficient to cause a substantial amount of saponification, causing an emulsion to separate from an aqueous solution and treating said emulsion to remove therefrom an oil high in vitamins A and/or D and containing substantial amounts of saponifiable oil.

2,136,482
ART OF SHOEMAKING
Oscar C. Adams, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application January 31, 1936, Serial No. 61,784
5 Claims. (Cl. 12—142)



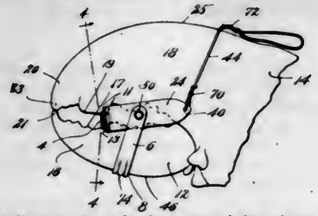
1. That improvement in methods of making welting which consists in separating the inner portion of the welting into two layers of substantially equal thickness connected at their inner edges, and turning the grain layer upside

down to increase the width of the welting and provide welting having a grain face along its outer edge and having a split face of wider extent along its other edge at the same side of the welting.

2,136,483
METHOD AND MATERIAL FOR PREVENTING THE TARNISHING OF SILVERWARE
Kenneth H. Barnard and Arthur F. McLean, Andover, Mass., assignors to Pacific Mills, Lawrence, Mass., a corporation of Massachusetts
No Drawing. Application November 13, 1937, Serial No. 174,486
4 Claims. (Cl. 23—241)

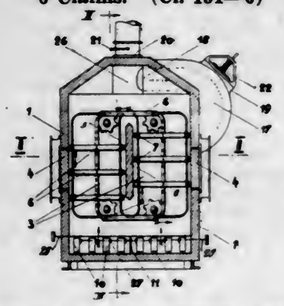
1. A fabric for protecting silverware from tarnish comprising a material suitable for wrapping, impregnated with a phosphate of silver so associated with the fabric as not to give forth a dust in material quantities by ordinary handling.

2,136,484
LOBSTER-CLAW LOCK
Leon Joachim Barwood, Cambridge, Mass.
Application November 19, 1935, Serial No. 50,582
9 Claims. (Cl. 17—1)



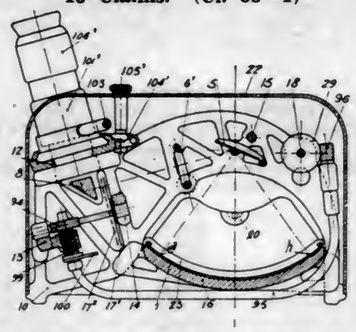
6. A lobster-claw lock comprising two members freely adjustable with respect to each other in order that they may be readily adjusted by hand to provide between them an adjustable opening for receiving a claw of a lobster leg, one of the members having an extension, and means connected with the extension for securing the lock to the leg.

2,136,485
METHOD OF DENICOTINIZING TOBACCO
Fritz Berka and Alexander Giller, Vienna, Austria
Application March 17, 1936, Serial No. 69,320
In Austria February 18, 1936
6 Claims. (Cl. 131—6)



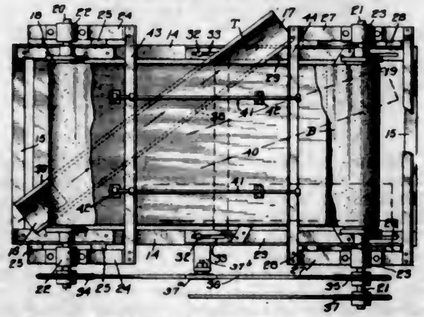
2. A method of denicotinizing tobacco which consists in conducting tobacco on a conveyor on the counter-current principle in a tunnel through a reaction mixture consisting of an excess of air at a temperature under 100° C., ammonia in a proportion amounting to approximately two to three times the quantity theoretically necessary to effect conversion of the nicotine salts contained in the tobacco treated, and sufficient steam to saturate the air with moisture.

2,136,486
AUTOMATIC APPARATUS FOR DIRECT OBSERVATION OF PICTURE STRIPS AND THE LIKE
Michel Charles Biondin, Meudon, France
Application February 14, 1935, Serial No. 6,578
In France February 14, 1934
13 Claims. (Cl. 88—1)



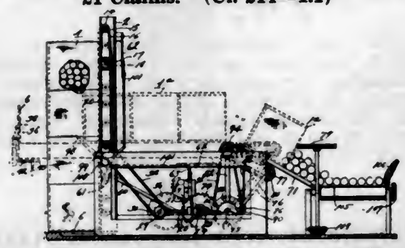
1. An apparatus for direct observation of picture strips the pictures of which are arranged in parallel series perpendicular to the direction of verticality in the pictures, said apparatus comprising a slide adapted to carry the picture strip and to allow its progression therein parallel to the axes of the picture series, means for intermittently progressing the picture strip, reflecting means arranged in front of the slide and adapted to rock round an axis lying in its own plane and parallel to the direction of progress of the strip, means for making the reflecting means advance intermittently through predetermined angles round its rocking axis between predetermined limits and return periodically to a given angular position, means controlling simultaneously said last-mentioned means and the means providing the progression of the strip and means for observing through the reflecting means the pictures reflected thereby.

2,136,487
BREAD LOAF FORMING MACHINE
Charles S. Brykczynski and John Kosman, Brooklyn, N. Y., assignors to Geo. F. Stuhmer & Company, New York, N. Y., a corporation of New York
Application August 14, 1935, Serial No. 36,221
5 Claims. (Cl. 107—9)



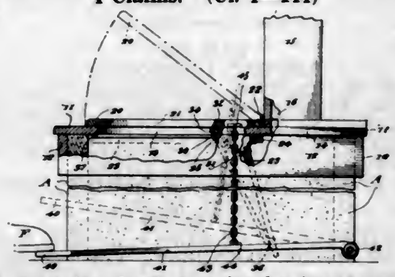
1. In a bread-loaf kneading and forming machine and conveyer, the combination of an endless belt, a dough working and loaf shaping trough disposed diagonally of the belt and co-operable therewith, means for adjusting the lateral angular position of the trough with respect to the belt, and means for tilting the trough on its axial longitudinal axis to vary its angular relation with the belt, substantially as set forth.

2,136,488
RECEPTACLE EMPTYING MACHINE
James Augustus Byington, Orlando, Fla.
Application July 22, 1935, Serial No. 32,641
21 Claims. (Cl. 214—1.1)



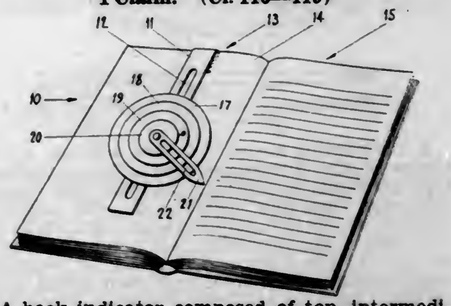
3. The combination with a receptacle dumping machine comprising a frame, a tiltable receptacle receiving frame carried thereby and adapted to receive full and empty receptacles, of means whereby said tiltable frame will be moved to a horizontal position and the full receptacles emptied and laterally transferred to positions to the sides of the full receptacles on the frame and means controlled by the removal of the empty receptacles from the tiltable frame whereby said tiltable frame will be again returned to its normal position for a following operation.

2,136,489
COMBINED SEAT AND AUTOMATIC CLOSURE FOR DRY CLOSETS
William A. Campbell and Robert Givens, Carbondale, Ill.
Application December 6, 1937, Serial No. 178,300
4 Claims. (Cl. 4—144)



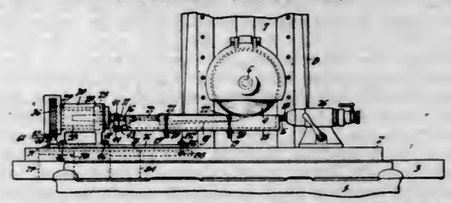
1. In a dry closet, a casing having an opening in its top, a seat member pivotally mounted on said top and disposed in normally raised inoperative relation thereto, a closure for the opening in said top, said closure being pivotally mounted for swinging movement in the interior of said casing and disposed in normally closed relation overlying said opening, a spring for urging said closure member to normal closed relation, and a crank connected to said seat and closure whereby upon movement of the seat member to operative position in the use of the closet said closure is swung under force of said crank to open position, said spring with said crank effecting a substantial toggle action between said seat and closure from operative position for automatically moving said seat to its normally raised relation and said closure to its normally closed position overlying the opening in the top of the casing.

2,136,490
BOOK INDICATOR
Rebecca Cohen, Brooklyn, N. Y.
Application April 4, 1938, Serial No. 199,864
1 Claim. (Cl. 116—119)



A book indicator composed of top, intermediate and bottom members, said intermediate member comprising a plurality of concentric disks each having indicia concentrically positioned at the outer circumference thereof, said bottom member forming a carrier for said disks and comprising an elongated strip having means at one end for engaging the opposite faces of a page of the book and being slotted substantially throughout its length, said top member forming a pointer having a slot lengthwise thereof for viewing indicia on said disks and having a sharp angular outer end, said disks and said top and bottom members being centrally secured by pivot means, said top and intermediate members being jointly slidable as a unit relative to said carrier member due to engagement of said pivot means with said slot in said carrier member, said carrier having an intact and unslotted bottom layer for shielding said book from contact with said pivot.

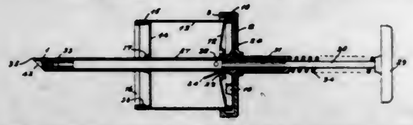
2,136,491
METALWORKING MACHINE
Elton S. Cornell, East Providence, R. I., assignor to Abrasive Machine Tool Co., East Providence, R. I., a corporation of Rhode Island
Application January 11, 1937, Serial No. 120,124
16 Claims. (Cl. 51—94)



2. In a metal-working machine, a tool, a table, means for relatively reciprocating said tool and table, a work-holder, means for rockably mounting the work-holder for pendulous oscillation on the table, and automatically-operated means for rocking said work-holder during the relative reciprocation of the tool and table to oscillate the surface of the work about an axis located above the working face of the tool, said last-named means being operative in timed relation to the relative reciprocation of the tool and table to rock the work-holder in one direction as the tool trav-

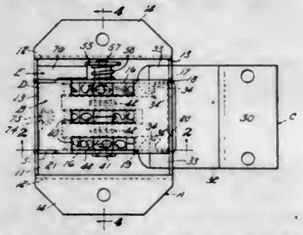
erses the work during one stroke and to rock the work-holder in the opposite direction as the tool traverses the work during a reverse stroke.

2,136,492
LUBRICATING MEANS
John L. Creveling, near Tucson, Ariz.
Application July 17, 1933, Serial No. 680,891
4 Claims. (Cl. 221—47.4)



2. Lubricating means including a pump, a cartridge of the interchangeable original package type providing a reservoir therefor and having relatively movable perforated end closures through which said pump extends, and cartridge engaging means carried by said pump and adapted to hold the cartridge in place by lockingly engaging one end thereof only, said pump being provided with an inlet port communicating with said cartridge at the end nearest said engaging means, and means forming a fluid-tight joint with the closure at said end when the cartridge is engaged, said cartridge being applied as a unit and removable as such.

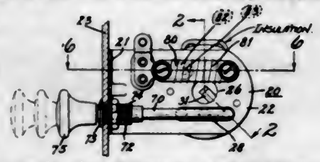
2,136,493
PERMUTATION LOCK
Anthony J. Denerich, Hartford, Conn., assignor, by mesne assignments, to Bemis & Call Company, Springfield, Mass., a corporation of Massachusetts
Application December 9, 1936, Serial No. 114,941
10 Claims. (Cl. 70—80)



1. In a permutation lock, permutation members each provided with a lock controlling element, a catch movable into and out of locked position, a locking bolt controlled by said lock controlling elements and adapted, when the prevailing combination is set up, to assume a non-effective position and, when the prevailing combination is disturbed, to assume an effective position in which said catch is secured in locked position, said bolt being mounted for movement to a third position beyond said effective position, and interengaging means between said catch and bolt for moving said bolt from effective position to said third position during movement of the catch towards its locked position.

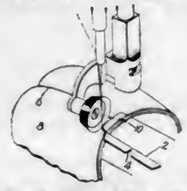
2,136,494
ELECTRIC SWITCH
William Correll Edwards, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 23, 1935, Serial No. 7,915
12 Claims. (Cl. 201—48)

1. An electric switch comprising, in combination; a bracket; a housing secured to the bracket; a closure member secured to the housing and providing a plurality of contact terminals; a circuit closing means rotatably supported within the housing for cooperation with the terminals to close a plurality of circuits; a ground plate rotatable with the circuit closing means; a re-



sistance unit insulatingly supported on the bracket, said unit having a contact normally disengaging the ground plate to maintain the resistance in a circuit; and a controller operable upon the circuit closing means to move the ground plate in engagement with the contact to short circuit the resistance unit.

2,136,495
METHOD OF ATTACHING SEAM STAYS
Karl Engel, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application January 14, 1937, Serial No. 120,600
4 Claims. (Cl. 12—146)



1. That method of making shoes which comprises providing a series of connected but readily separable seam stays, securing one stay in the series to a shoe, and thereafter separating said stay from the remaining stays of the series without the aid of cutting means.

2,136,496
TINNING COMPOUND
Newell M. Epperson, Chattanooga, Tenn., assignor, by mesne assignments, to Taywal Ltd., Chattanooga, Tenn., a limited partnership composed of Carl Neidhardt as general partner and Blanche Neidhardt, limited partner
No Drawing. Application March 29, 1937, Serial No. 133,663
8 Claims. (Cl. 148—24)

1. A cold tinning compound made from a mixture of metallic mercury, a salt containing murcury and chlorine, another salt selected from the group consisting of copper sulphate and copper nitrate and a stabilizer for the first mentioned salt selected from the group consisting of mercurous or mercuric chloride and ammonium chloride.

2,136,497
SPARK PLUG
Martin J. Finnegan, New York, N. Y., and Howard Baer, Jersey City, N. J., assignors to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application January 6, 1936, Serial No. 57,816
7 Claims. (Cl. 123—169)

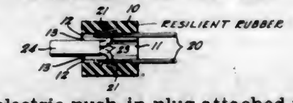
1. An ignition shielding structure including a

body assembled in a manner to provide a socket for the insertion of an insulated high-tension cable, a metal conduit surrounding the cable and having a metal fitting at its end for detachable engagement with the body, a spacer tube of in-



sulating material freely movable within the socket portion of the body, and mechanically free of the insulated cable so that the latter may be withdrawn without disturbing the spacer tube, and means attached to said cable to hold said spacer tube in position pending withdrawal of the cable.

2,136,498
ELECTRIC PUSH-IN PLUG
Harvey D. Geyer, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 13, 1935, Serial No. 54,165
4 Claims. (Cl. 173—361)

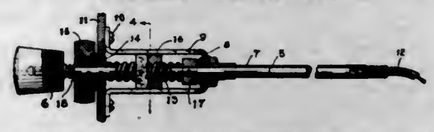


3. An electric push-in plug attached to the end of a flexible electric cord, said plug comprising: a resilient rubber main body having a substantially centrally disposed through aperture snugly receiving the electric cord and two laterally adjacent through apertures snugly receiving the contact prongs, two elongated contact prongs having portions embedded in the resilient walls of said apertures, said cord-receiving aperture interconnecting with said two prong-receiving apertures by two open-ended wire-receiving narrow slots, whereby the individual wires of said cord may be individually connected to the inner ends of said two prongs prior to slipping said prongs with the wires connected thereto to their final position in said rubber body.

2,136,499
COMPOSITION OF MATTER
Walter E. Gloor, South River, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 4, 1936, Serial No. 114,232
11 Claims. (Cl. 106—37)

4. A composition of matter comprising a film-forming material soluble in organic solvents selected from the group consisting of cellulose derivatives and chlorine containing compounds of rubber, and a plasticizer selected from the group consisting of a mixed acetate-butyrate ester of triethylene glycol and a mixed acetate-butyrate ester of tetraethylene glycol.

2,136,500
CONTROL DEVICE FOR INTERNAL COMBUSTION ENGINES
Eugene E. Griese, Shaker Heights, and Frank B. Davis, Cleveland Heights, Ohio
Application March 12, 1937, Serial No. 130,548
4 Claims. (Cl. 74—502)



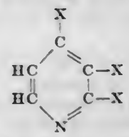
1. Apparatus of the character described, comprising a pull rod extending through the dash of a motor vehicle and adapted for connection to a part to be operated, an abutment on the dash, a stop device adjustable along said rod and adapted to cooperate with said abutment, an operator for said stop device also extending through the dash, said stop device and operator having a threaded connection with each other, and means for preventing rotation of the stop device.

2,136,501
(MERCURIC N-PROPYL) PYRIDYL CARBOXYLAMIDES
Max Hartmann and Leandro Panizzon, Riehen, near Basel, Switzerland, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application December 31, 1934, Serial No. 760,052. In Switzerland January 6, 1934
5 Claims. (Cl. 260—270)

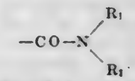
1. A pyridyl carboxyl amide with not more than one carboxylic acid group; the amide-nitrogen of which is substituted by at least one propyl group which contains mercury in the β-position.

2,136,502
PYRIDINE - ORTHO - DICARBOXYLIC ACID DIAMIDES
Max Hartmann, Riehen, and Hellmut Ensslin, Basel, Switzerland, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application November 27, 1935, Serial No. 51,970. In Switzerland December 5, 1934
9 Claims. (Cl. 260—295)

1. The therapeutic compounds which are pyridine-ortho-dicarboxylic acid amides of the formula



wherein two x's in ortho position stand for the group

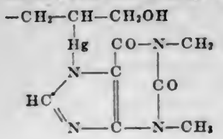


in which R_1 represents an alkyl radical containing a maximum of four carbon atoms and R_2 rep-

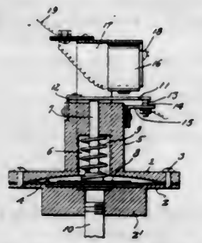
resents a member of the group consisting of hydrogen and an alkyl radical containing a maximum of four carbon atoms and in which R_1 and R_2 may also be linked to form an alkylene chain, and wherein the third x represents hydrogen.

2,136,503
N-SUBSTITUTED PYRIDINE CARBOXYL AMIDE MERCURIC COMPOUND
Max Hartmann and Leandro Panizzon, Riehen, near Basel, Switzerland, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Original application December 31, 1934, Serial No. 760,052. Divided and this application September 9, 1937, Serial No. 163,154. In Switzerland December 13, 1934
3 Claims. (Cl. 260—242)

1. A pyridine carboxyl acid amide with not more than one carboxylic acid group, the amide nitrogen of which is substituted by the group



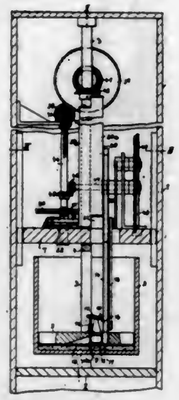
2,136,504
SAFETY DEVICE FOR MOTORS
George L. Hilbert, Arthur E. West, and Jay H. West, Ladysmith, Wis.
Application May 25, 1937, Serial No. 144,724
1 Claim. (Cl. 200—83)



A switch for use in conjunction with the ignition circuit, starter switch, and pressure oiling system of an internal combustion engine and comprising a pair of fixed and movable contacts, respectively, for interrupting the ignition circuit and one movable relative to the other in opposite directions into and from closing positions, respectively, and both pressure operative and electromagnetic means for moving said movable member in one direction, the pressure operative means for connection in said pressure system, and the electro-magnetic means for control by the starter switch.

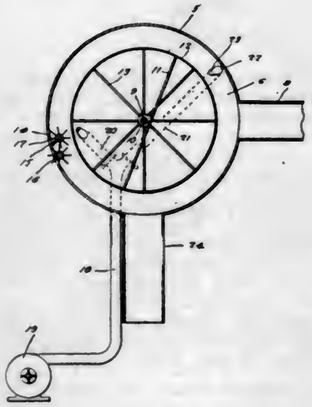
2,136,505
MACHINE FOR AUTOMATIC FORMING AND DELIVERY OF ICE CREAM
Richard Hirschson, Berlin-Pankow, Germany
Application May 20, 1936, Serial No. 80,880
In Germany May 22, 1935
11 Claims. (Cl. 107—1)

1. A machine for automatically moulding and delivering ice cream, comprising a container, means for rotating said container, a non-rotating plate adapted to rest on ice cream within said container and cover substantially the whole of said ice cream, means pressing said plate upon the ice cream, a knife mounted on said plate and inclined with respect to the bottom surface thereof, a collecting chamber within said plate between



the center and periphery thereof, said plate having a passage leading from the bottom surface to said collecting chamber and said knife forming part of the lower wall of said passage.

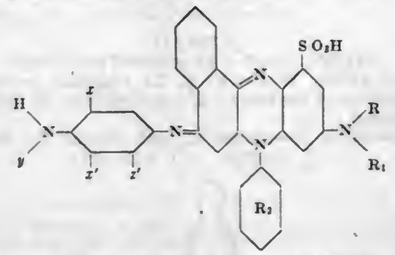
2,136,506
COTTON-GIN CONDENSER
Albright Horn, Helena, Ark.
Application October 6, 1937, Serial No. 167,663
1 Claim. (Cl. 19—72)



A cotton cleaning device of the character described comprising a shell, a cotton inlet, a cotton outlet, a rotary sieve in the shell, a compressed air supply line extending into the shell, said supply line having a plurality of air outlets at the inside of the shell, said outlets being opposed to the said sieve, said compressed air supply line having a branch pipe directed toward the outlet opening for forcing cotton away from the surface of the sieve and toward the outlet opening.

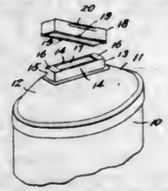
2,136,507
DYESTUFFS OF THE SAFRANINE SERIES
Eugen Huber and Wolfram Vogt, Leverkusen-I. G. Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application January 5, 1934, Serial No. 705,456. In Germany January 14, 1933
5 Claims. (Cl. 260—266)

2. Acid safranine dyestuffs of the group consisting of dyestuffs of the general formula:



wherein x and x' are selected from the group consisting of hydrocarbon alkyl and halogen, y is selected from the group consisting of hydrogen and benzyl, z is selected from the group consisting of hydrogen and sulfonic acid group, R and R_1 are selected from the group consisting of hydrocarbon alkyl radicals, benzyl radicals and phenyl radicals and such dyestuffs substituted in the benzene nucleus R_2 by a substituent selected from the group consisting of halogen, hydrocarbon alkyl, acetylamino, alkoxy and the sulfonic acid group, the substituents being so chosen that the compound contains at least two sulfonic acid groups in the dyestuff molecule, being in the form of their alkali metal salts generally dark water-soluble compounds, dyeing the fibre, especially the animal fibre, generally clear blue to greenish blue shades of good fastness properties.

2,136,508
DISPENSING TOP FOR CONTAINERS
Clen S. Humphrey, Brooklyn, N. Y.
Application May 20, 1936, Serial No. 80,661
2 Claims. (Cl. 221—61)



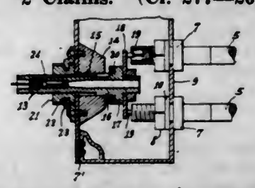
1. A dispensing top for tooth powder containers including a hollow hopper-shaped breast element, an integral upstanding oblong neck at the restricted upper end of said breast element, said neck including parallel elongated side walls and parallel opposite end walls and inwardly directed flanges on two opposite walls defining together with the remaining walls a single oblong outlet opening, and a closure cap removably fitted over said neck conforming generally to the shape thereof and including resilient side walls corresponding to the side walls of the said neck, said side walls being bowed longitudinally inward towards each other to provide a tension for frictionally impinging the side walls of the closure cap against the side walls of the neck to retain the cap in place against unintentional displacement.

2,136,509
CATALYST PELLET AND PROCESS OF MAKING
Leslie G. Jenness, Brooklyn, N. Y.
Application November 14, 1935, Serial No. 49,793
4 Claims. (Cl. 23—233)



1. The method of making catalyst pellets which comprises, mixing a finely divided reducible oxide of a catalytic metal with another metal in finely divided form, said oxide being reducible at a temperature lower than the sintering temperature of said other metal, said other metal being employed in an amount between approximately 40 and 60% by weight of the resultant mixture, compressing the resultant mixture into pellets, heating said pellets in a reducing atmosphere to a temperature sufficient to reduce said oxide and cause catalytic metal to diffuse into the particles of said other metal so as to form an alloy therewith, maintaining said temperature for sufficient time to reduce at least a portion of said oxide and to form an integral, porous, metallic skeleton bonded by said alloy, the temperature and time of said heating being insufficient to cause all of the catalytic metal of said oxide to alloy with said other metal and said temperature being insufficient to cause sintering of said other metal in the absence of said catalytic metal.

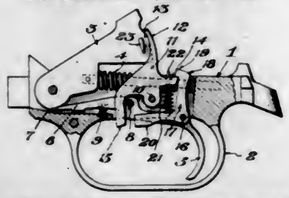
2,136,510
AUTOMOBILE SEAT INFLATION DEVICE
Gustav B. Jensen, West Palm Beach, Fla.
Application September 23, 1936, Serial No. 102,209
2 Claims. (Cl. 277—26)



1. An inflating device comprising an air tight casing, a plurality of self-closing valves secured to and in communication with the interior of said casing and adapted for connection with tubes from compartments to be inflated, a block secured to the casing and having a rectangular shaped opening, a main inflation valve having a rectangular shaped body portion fitting in the opening of the block for reciprocation therein and extending exteriorly of the casing, a gasketed flange on the body of the main valve to abut the block and establish an air tight connection between the main valve body and the block, a nut threaded to the main valve body and journaled to the casing for the purpose of imparting endwise movement to the main valve body for engaging and disengaging the flange with the block, said main valve body having a bleed groove

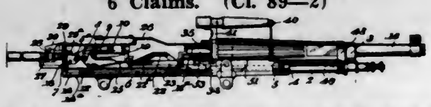
providing communication between the interior of the casing and the atmosphere, and closed by the flange abutting the block and means carried by the main valve body for unseating the first named valves upon reciprocation of said main valve body.

2,136,511
COMBINED PULL AND RELEASE TRIGGER
Poyner J. Jones, Cristobal, Panama Canal Zone
Application October 20, 1937, Serial No. 170,091
14 Claims. (Cl. 42—69)



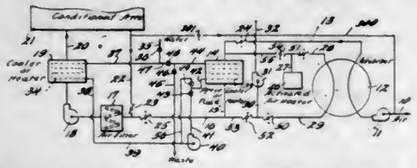
1. In a release and pull trigger mechanism, a hammer, a spring for actuating the same, a trigger, a main sear operated by the trigger, a stud on said hammer, a second sear pivoted to the frame and capable of cooperating with said stud, a third sear pivoted to the trigger and cooperating with said second-mentioned sear, said third-mentioned sear adapted to be manually set to cause the second sear to hold the hammer through said stud until the trigger is released.

2,136,512
AUTOMATIC RAPID FIRE GUN
René Laloux, Brussels, Belgium
Application August 17, 1935, Serial No. 36,740
In Belgium August 21, 1934
6 Claims. (Cl. 89—2)



1. A machine gun comprising motor means actuated by the explosion gases, a movable breech bolt actuated thereby, a cartridge band feeding mechanism, and an extractor for extracting cartridges from a band of cartridges in said mechanism, said extractor being pivoted to the rear end of the breech bolt and arranged in the median plane of the gun.

2,136,513
YEAR-ROUND AIR CONDITIONING SYSTEM
James M. Lednum, Baltimore, Md., assignor, by mesne assignments, to The Davison Chemical Corporation, Baltimore, Md., a corporation of Maryland
Application May 4, 1935, Serial No. 19,871
2 Claims. (Cl. 183—4)



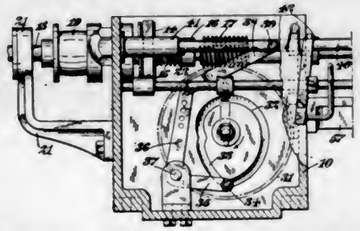
2. The combination with a space to be conditioned, a conduit for supplying air thereto, a water vapor adsorber in said conduit, a heat exchanger in said conduit to cool the air discharged from said adsorber, a recirculating duct connected to said conduit between said exchanger and space, a second heat interchanger in said conduit between the junction thereof with the duct and said space, a source of heated gas, piping and valves to selectively deliver said gas to activate said adsorber or to heat said first interchanger, a source of cooling fluid, piping to deliver said cooling fluid to both said interchangers when the adsorber is in operation and further piping to conduct fluid in a closed circuit between said interchangers when one is being heated.

2,136,514
NIPPLE AND CAP CONSTRUCTION
Jesse Little, Warwick, R. I., assignor to Davol Rubber Company, a corporation of Rhode Island
Application November 9, 1935, Serial No. 49,060
2 Claims. (Cl. 215—41)



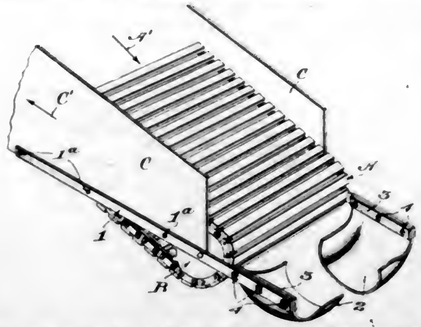
1. In a device of the character described, a body having a base engageable with the rim of a bottle neck, said base being generally cylindrical in form and having an annular bead with substantially diametrically opposite recesses.

2,136,515
MACHINE FOR WINDING YARN AND THE LIKE
Charles Marsden, Ahmedabad, Bombay Presidency, India
Application May 25, 1936, Serial No. 81,741
In Great Britain June 18, 1935
2 Claims. (Cl. 242—31)



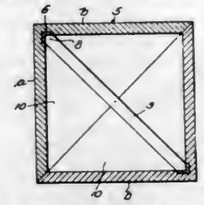
1. In a machine for winding strand material in conical chases having means for rotatably supporting a package, means for rotating the package, traverse-mechanism for traversing the strand material longitudinally of the package, gearing positively coupling said traverse-mechanism to the package-rotating means, and a progression device for progressing the traverse-stroke along the length of the package, the combination comprising a rotatable traverse cam, and a track on said cam having feed and return portions of different lengths and having each of said portions of the track so formed that the radial cam-throws of a series of divisions of the cam-track subtending equal angles at the axis of the cam are so correlated that the differences in radial cam-throw between each successive adjacent pair of cam-track divisions increase in accordance with a geometrical progression towards that point on the cam-track which corresponds to the feed of the strand material to the nose of the chase.

2,136,516
ATTACHMENT FOR VEGETABLE DIGGERS
Stanley S. Martin, Dexter, Maine
Application October 8, 1937, Serial No. 168,063
11 Claims. (Cl. 55—51)



1. An attachment for vegetable diggers or the like comprising a pair of supports; and scoop-shaped members of flexible material each carried by a support.

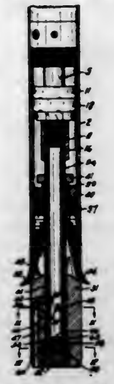
2,136,517
COLLAPSIBLE PRESS MOLD
Joseph L. Milani, Seattle, Wash.
Application April 11, 1936, Serial No. 73,958
Renewed June 13, 1938
2 Claims. (Cl. 100—57)



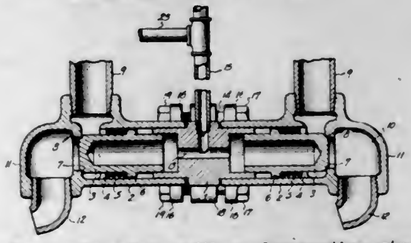
2. A press of the character described comprising a container, said container being divided into a pair of vertically extending complementary sections, means for separably connecting the sections together, a follower vertically operable in the container, means for operating the follower, and vertically slidable corner members in the sections of the container against which material is pressed and protecting the corners of the pressed bulk while it is being removed from the container, and a movable bridge piece crossing the bottom of the container and being engaged at its ends with the lower ends of the slidable corner members.

2,136,518
PIPE CUTTER
Joe Nixon, Oklahoma City, Okla.
Application September 19, 1936, Serial No. 101,545
8 Claims. (Cl. 164—0.7)

8. A pipe cutter adapted to cut by rotation within the work to be cut comprising: a hollow barrel plugged at its lower end and having circumferentially spaced bit apertures through its walls intermediate its ends; a stuffing box dividing the barrel into two chambers; a hollow bit actuator extending from one chamber through the stuffing box into the other chamber and reciprocatable in the barrel; pistons carried by the actuator, one in each of said chambers; valve controlled fluid passages in the stuffing box for controlling flow of a fluid from one chamber to the other; and a plurality of bits operably connected to said actuator and aligned with said bit apertures; the cutting edges of said bits adapted to be moved from an inactive position within the barrel toward an active cutting position outside the barrel by said actuator, and at a speed in direct proportion to the speed of movement of said actuator; said actuator adapted to be moved downward in the barrel by fluid pressure exerted on the top of the uppermost one of said pistons; the speed of movement of said actuator adapted to be controlled by the speed at which a fluid may pass from one of said chambers to the other.

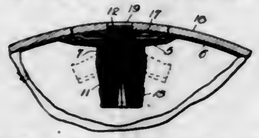


2,136,519
STEAM OPERATED CYLINDER RELIEF AND DRAIN VALVE
Edward P. O'Connor, Pittsburg, Kans.
Application June 26, 1936, Serial No. 87,395
3 Claims. (Cl. 121—134)



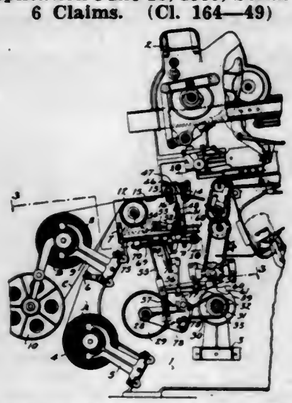
1. In combination with a locomotive steam cylinder, a valve cylinder, a piston of smaller diameter than said cylinder disposed therein, a valve surface formed on said piston, a valve seat for said valve surface, a flange on said piston at an intermediate point thereof, said flange being of slightly smaller diameter than said valve cylinder in order to provide for a loose fit, means providing communication between the interior of said cylinder and the atmosphere, said valve when in seated position closing said communicating means, a spring positioned within said valve cylinder and acting against said flange to move said piston from valve seating position, means communicating with the boiler of the locomotive whereby steam pressure is adapted to hold the valve on its seat against the action of said spring, and means operable from the cab of the locomotive for venting said boiler communicating means to the atmosphere, the construction being such that the loose fit of said flange is adapted to permit a limited quantity of steam to flow from said means communicating with the boiler past said flange into the steam cylinder.

2,136,520
RESILIENT VALVE FOR BLADDERS AND THE LIKE
Ira D. Perry, Chicago, Ill., assignor to Everett G. Clements, Washington, D. C.
Application August 11, 1933, Serial No. 684,717
13 Claims. (Cl. 273—65)



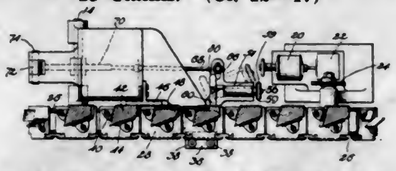
1. In an inflatable article having an outer casing and a removable bladder, said bladder having a relatively thickened wall portion of resilient and flexible material which is transversely slitted to provide a self-closing passageway therethrough, and a rigid fitting carried by said portion and surrounding and supportingly embracing the resilient and flexible material adjacent said passageway, said fitting having means for detachable engagement with said outer casing.

2,136,521
WRAPPER FEED MECHANISM FOR WRAPPING MACHINES
Charles H. Petskeyes, Davenport, Iowa, assignor to Micro-Westco, Inc., Bettendorf, Iowa, a corporation of Delaware
Original application May 18, 1934, Serial No. 726,346, now Patent No. 2,088,157. Divided and this application June 18, 1935, Serial No. 27,144
6 Claims. (Cl. 164—49)



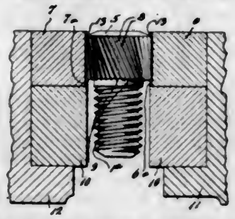
1. The method of feeding an individual sheet of wrapping material to a wrapping mechanism from an endless web of wrapping material, which comprises withdrawing a length of the wrapping material, tensioning a portion only of the withdrawn wrapping material in the direction of withdrawal, the tensioned portion being the last part of the length withdrawn, the first part of the withdrawn length being substantially without tension, and moving a cutter through the tensioned portion in a direction substantially normal to the plane of said portion, the wrapping material being held at end parts of the tensioned portion substantially removed from the path of the cutter during cutting and the cutting operation being completed without supporting said portion of the wrapping material against deflection in the direction of cutter movement other than at said end part, said tension being independently sufficient to hold the wrapping material without objectionable deflection during the cutting.

2,136,522
METHOD OF AND MACHINE FOR CUTTING WOOD HEELS
Carl I. Pollard, Himrod, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application May 4, 1936, Serial No. 77,727
15 Claims. (Cl. 12—47)



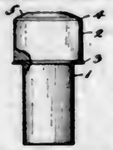
1. In a heel cutting machine, a heel blank carrier and a rotary cutter arranged for relative traversing movement in a certain direction, the plane determined by the axis of the cutter and the line of the said certain direction being substantially perpendicular to the heel blank surface being operated upon, said cutter axis being arranged to swing about an axis located between the center of the cutter and the work, said axis being substantially parallel to a line perpendicular to the cutter axis and also parallel to the said heel blank surface, and mechanism for so swinging the cutter axis during the said relative movement to alter progressively the shape of the cut in the heel blank.

2,136,523
SOCKET HEAD CAP SCREW OR LIKE FASTENER
Heyman Rosenberg, New York, N. Y.
Application January 26, 1937, Serial No. 122,456
2 Claims. (Cl. 85—9)



1. A headed cap screw having the periphery of its head formed with diagonal knurls and penetrating points extending therefrom in a longitudinal direction from the seating face of the head.

2,136,524
METHOD OF FORMING CAP SCREWS OR THE LIKE FASTENERS
Heyman Rosenberg, New York, N. Y.
Application July 28, 1937, Serial No. 156,217
9 Claims. (Cl. 10—10)

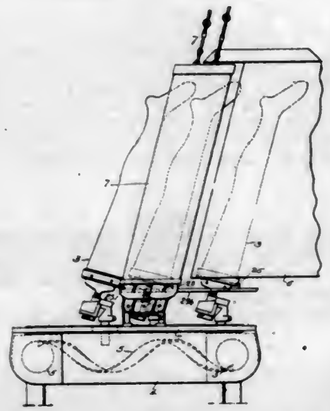


4. The method of forming fastening devices of the class described, which comprises the steps of forming a headed blank with a chamfer at the top of the head and a sharp-edged annular flange at the bottom of the head, and rolling the head between dies having knurl forming faces to effect knurling of the head and the formation of the said flange into sharp projections extending from the seating face of the head.

2,136,525
METHOD FOR THE POLYMERIZATION OF ROSIN
Alfred L. Rummelsburg, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 24, 1936, Serial No. 92,389
16 Claims. (Cl. 260—97)

1. A method for the polymerization of rosin which includes bringing a solution of rosin in a volatile liquid halogenated organic compound stable to sulfuric acid into intimate contact with strong sulfuric acid under conditions of reaction adapted to effect polymerization of the rosin, separating the polymerized rosin solution from the sulfuric acid and recovering the polymerized rosin by evaporating the halogenated organic compound.

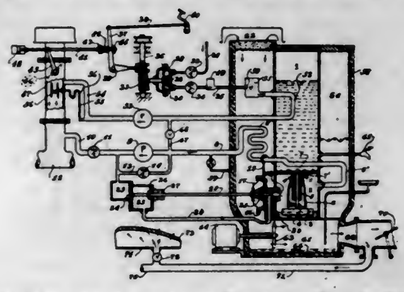
2,136,526
DRAIN FOR HOSIERY FORM
Walter M. Schwartz, Philadelphia, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application March 3, 1936, Serial No. 66,944
14 Claims. (Cl. 223—76)



1. The combination of a hosiery form adapted to support a moist stocking vertically, and a drain structure comprising a plate bent around the lower edge of the form and extending upward along and parallel to the opposite faces respectively of the form with the upper edges of the upwardly extending portions of the plate spaced from said opposite faces of the form to catch moisture passing down said form.

2,136,527
REFRIGERATING AND AIR-CONDITIONING SYSTEM IN CONJUNCTION WITH INTERNAL COMBUSTION ENGINES
Berteli Stelzer, South Bend, Ind.
Application December 21, 1935, Serial No. 55,625
13 Claims. (Cl. 62—169)

1. In combination with an internal combustion engine, a vacuum pump to vaporize water for cooling and to discharge the vapors formed to the intake manifold of said engine, a second vacuum pump to vaporize fuel for cooling, and to discharge the fuel vapor to the carburetor to be consumed by the engine, and means for metering said fuel.



2,136,528
VACUUM PUMP
Berteli Stelzer, German Township, St. Joseph County, Ind.
Application March 8, 1937, Serial No. 129,633
7 Claims. (Cl. 230—79)

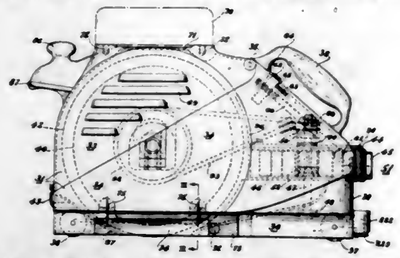


1. In a vacuum pump for evaporating water, an impeller having vanes to form pockets therebetween, a stationary housing digressing from the periphery of the vanes, said impeller being adapted to turn within said housing, a fluid with a high evaporation point in said housing to be circulated by said impeller so as to perform a reciprocatory motion relative to said pockets to create a pumping action, a reservoir within said impeller, a revolving fluid therein, and a restricted passage from said reservoir to each of said pockets to allow the escape of residual vapors, said restricted passage being so shaped that it offers a greater resistance to the flow of fluid from said reservoir to the pocket to which it leads than it does from said pocket to said reservoir, and an outlet from said reservoir to permit the exhaust of the vapors and gases.

2,136,529
SURFACING MACHINE
Homer L. Trimble, Cleveland, Ohio, assignor to Harry C. Trimble, Boston, Mass.
Application January 12, 1934, Serial No. 706,370
38 Claims. (Cl. 51—170)

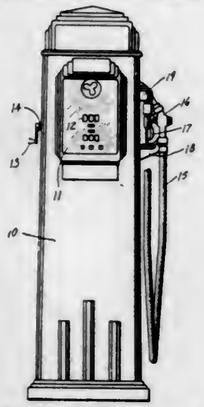
14. A surfacing device comprising, in combination, a frame having relatively movable parts pivotally connected together which move up and down relative to the surface to be worked as they are moved relative to each other, each of said parts having means adapted to bear upon the surface to be worked for supporting the frame upon the said surface, a surface engaging device, means for mounting the surface engaging device on one of the said parts and off to one side of the place where the two parts are connected to-

gether, and means for moving the relatively movable parts of the frame to adjust the surface



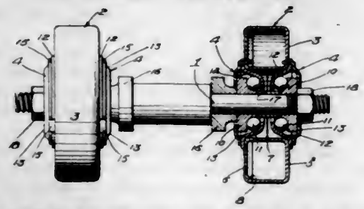
engaging device relative to the surface to be worked.

2,136,530
OPERATING CONTROL FOR FLUID DISPENSING APPARATUS
Maximillian O. Trudeau, Fort Wayne, Ind., assignor to Tokheim Oil Tank and Pump Company, Fort Wayne, Ind., a corporation
Application April 19, 1937, Serial No. 137,645
14 Claims. (Cl. 221—95)



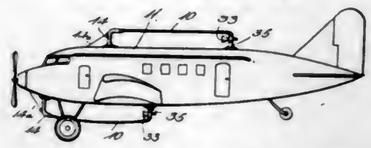
1. In a switch-controlled motor-driven fluid-dispensing apparatus having a meter operable resettable computer and a delivery means, an actuating member, a cam operated by the resetting of said computer for moving said member to one position, means operated by said delivery means for causing said member to move to another position, and means connected with said member for controlling said dispensing apparatus.

2,136,531
WHEEL FOR ROLLER SKATES
Clarence Vogt, Wenonah, N. J.
Application July 5, 1934, Serial No. 733,876
7 Claims. (Cl. 301—5.7)



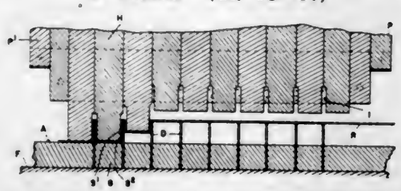
1. A ball bearing unit comprising a race plate, a race block, said plate and said block being constructed and arranged so as to cooperatively provide an annular race or runway for bearing balls, and a cover plate adjacent said race block and serving to hold the same in position, said race plate and said cover plate having interlocking notches and detents respectively spaced about their peripheral edges.

2,136,532
RADIO ANTENNA
Samuel K. West, Washington, D. C., assignor of three-eighths to Ben J. Chromy, Washington, D. C.
Application February 15, 1937, Serial No. 125,873
13 Claims. (Cl. 250—33)



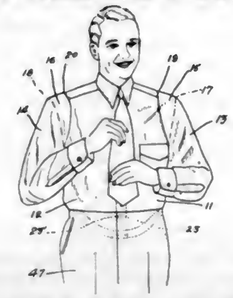
1. A radio antenna adapted for use on aircraft, comprising: a tubular antenna member of electrically conducting material, insulation supporting means for supporting said antenna member, means for fastening said insulation supporting means to the aircraft, a heating device including an auxiliary pipe and insulation means for connecting said auxiliary pipe to said tubular antenna, said heating device adapted to have a gaseous medium to be heated drawn therethrough, and means other than the said heating device for drawing said gaseous medium after it is heated by said heating device through said tubular antenna member substantially to prevent the formation of ice, frost or condensation on said antenna member detrimental to the operation thereof while said antenna is connected to said signaling apparatus in condition for use.

2,136,533
MACHINE FOR FORMING RIBBED STRIPS
Ralph E. Woodburn, Detroit, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
Application December 27, 1937, Serial No. 181,914
6 Claims. (Cl. 93—37)



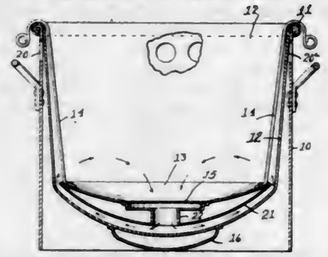
1. A machine for forming ribbed strips comprising, a mold having a series of spaced cross bars, a series of plunger dies respectively registering with the spaces between cross bars and normally separated therefrom for the insertion of a blank to be formed therebetween, said plunger dies and cross bars having registering slots therein extending longitudinally of the series, means for successively actuating said plunger dies to press portions of the blank successively into the spaces between cross bars thereby drawing the blank longitudinally and folding portions thereof over said cross bars, and means for moving a severing blade through the registering slots in said plunger dies and cross bars to slit the folded portions of the blank.

2,136,534
SHIRT
Ralph Yacovino, New York, N. Y.
Application November 10, 1936, Serial No. 110,136
6 Claims. (Cl. 2—115)



1. In a body garment bearing side seams and adapted to have a nether garment attached thereto, a belt member affixed to said body garment, means for detachably attaching the nether garment to said belt member, and downwardly diverging ends on said belt member free of connection with the front wall of said body garment extending forwardly towards the center thereof, from points adjacent the said side seams, and adapted to support the abdomen of the wearer.

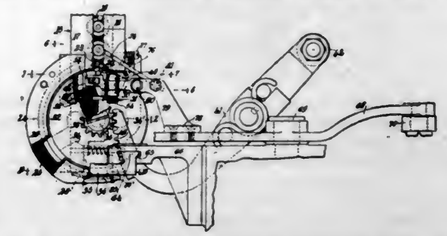
2,136,535
COOKING UTENSIL
Frank A. Anetsberger, Chicago, Ill.
Application November 16, 1936, Serial No. 111,008
3 Claims. (Cl. 53—7)



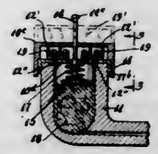
1. A cooking utensil for use above a source of heat comprising a liquid holding receptacle, a tray provided with a false bottom united adjacent the edges thereof and centrally spaced apart to provide a heat insulating space therebetween, means for supporting said tray in said receptacle with said false bottom spaced from the bottom of the receptacle to provide a circulation passage therebetween, a tubular screened passage through said tray and false bottom for accommodating the flow of a column of liquid descending therethrough to said circulation passage, and an insulating member aligned with said screened passage for reducing the application of heat from said source to said descending column.

2,136,536
BUTTON POSITIONING MEANS AND MECHANISM
Bohumil Bares, Oakville, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of New York
Application September 9, 1937, Serial No. 163,096
19 Claims. (Cl. 218—6)

1. In a button-positioning mechanism for buttons or the like having means thereon capable of registering the button, in combination, a track along which the buttons are fed, a receiver mounted to move in an arc adapted to periodically receive a button from the track, an arcuate frame relative to which the receiver is movable, means on the frame for frictionally engaging a part of the button to rotate it about its axis in the receiver as the receiver moves relatively to the frame, resilient means normally acting to urge a button in the receiver into frictional engagement with the arcuate portion of the frame, and means carried by the receiver for engaging the registering means on the button during rotation thereof to restrain the button against further rotation.

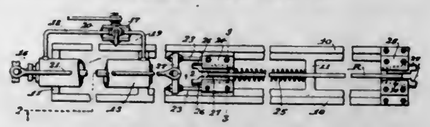


2,136,537
SMOKING PIPE ATTACHMENT
Carl Bergman, Hopatcong, N. J.
Application March 22, 1937, Serial No. 132,286
3 Claims. (Cl. 131—176)



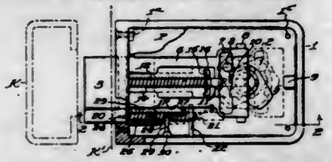
1. A smoking pipe attachment comprising perforated inter-engaging cap sections, one an inner section and the other an outer section, flexible tubes connecting the perforations of said sections, means for holding said sections relatively axially adjusted to slacken the flexible tubes or to extend them, and said cap sections having skirt portions by which the attachment may be frictionally mounted on a pipe bowl.

2,136,538
METHOD OF STRETCHING METAL RODS
Arthur H. Borwick, Huntington Park, Calif.
Application September 11, 1935, Serial No. 40,066
4 Claims. (Cl. 205—8)



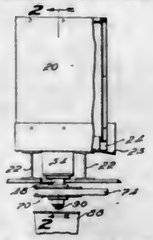
1. The herein described method of stretching hot run metal rods to produce drapery supporting rods, which consists in clamping and rigidly holding one end of a rod and then gripping the other end of said rod and pulling same away from the rigidly held end so as to subject said rod to tensional strains and stretch same to a sufficient degree to break and remove all scale and rust from the external surfaces of the rod.

2,136,539
NIGHT LATCH
Joseph Hill Brinton, Media, Pa.
Application June 15, 1937, Serial No. 148,344
14 Claims. (Cl. 292—163)



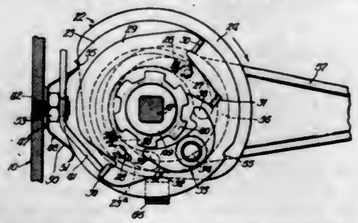
3. A night latch comprising a spring-pressed latch bolt adapted to enter an apertured keeper, means for retracting the bolt from the keeper and holding means including an auxiliary bolt adapted for engagement with the keeper operative upon retraction of the latch bolt by said retracting means when the auxiliary bolt is engaged by the keeper to releaseably hold the latch bolt retracted.

2,136,540
SEPARATING MACHINE
Clarence A. Brock, Detroit, Mich.
Application August 23, 1935, Serial No. 37,418
11 Claims. (Cl. 233—3)



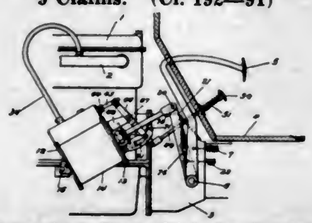
2. In a centrifugal separator for separating material into relatively light and heavy components, the combination of a longitudinally extending cylinder having a rigid base and a radially unconfined self-supporting but flexible wall secured to and extending from said base, means adapting said cylinder to be driven in rotation, and means for flexing the wall of said cylinder during the rotation thereof comprising one or more members arranged to apply a direct flexing force to said wall from a point near one end of said cylinder to a point near the other end thereof.

2,136,541
CLUTCH
Edward B. Carson, Fort Myers, Fla.
Application July 6, 1936, Serial No. 89,139
5 Claims. (Cl. 192—28)



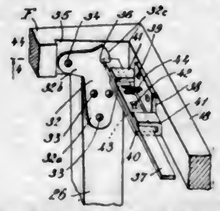
3. In ironing machine clutch means of the character described, a continuously rotating drive shaft, a ratchet wheel mounted on said shaft for rotation therewith, an outer clutch member turnable about the axis of said shaft normally free therefrom and releasably held in predetermined angular relation thereto, a pawl pivoted on said outer member for movement into and out of engagement with said ratchet wheel, a yoke member, yielding means connecting said yoke member to said outer clutch member for turning therewith and relative thereto, and means for releasably holding said yoke member against turning with said outer clutch member and in predetermined angular position thereto in opposition to said yielding means, for moving said pawl into and out of engagement with said ratchet wheel in accordance witth the turning of said yoke member relative to said outer clutch member and the turning of the latter relative to said yoke member.

2,136,542
POWER ACTUATED CLUTCH MECHANISM FOR AUTOMOTIVE VEHICLES
Hobart N. Durham, Munsey Park, N. Y., assignor to Vaco Products, Inc., a corporation of Delaware
Application November 1, 1935, Serial No. 47,736
9 Claims. (Cl. 192—91)



1. In an automotive vehicle having an internal combustion motor and a clutch, a power operated clutch actuating means comprising a cylinder, a piston in the cylinder and connections therefrom to the clutch, a valve having a plurality of ports at one end of said cylinder, connection from one of said ports to the intake manifold of the motor to create sub-atmospheric pressure within the cylinder, and said connections including said valve means for connecting and cutting off said last named port from the motor, and for concurrently controlling all of said ports at one end of the cylinder and means controlled by the piston for moving the valve means to port closing position and for moving the valve means to port opening position in certain positions of the piston.

2,136,543
FOLDING CHAIR
Benjamin W. Gammon, St. Albans, N. Y.
Application February 9, 1938, Serial No. 189,511
1 Claim. (Cl. 155—141)



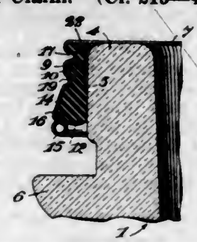
In a folding chair, in combination, a seat having a front edge, a pair of rigidly connected legs, angular plates having substantially vertical portions rigidly connected to the upper ends of the respective legs and substantially horizontal portions pivotally connected respectively to said seat adjacent the opposite ends of its front edge, said

plates having rounded upper front edges with locking notches therein, a pair of brackets connected to said seat adjacent its front edge and having slots therein extending substantially parallel to said seat, a flat bar extending transversely of said seat in a plane substantially parallel thereto and slidably supported in the slots of said brackets, and spring means engaging said bar and urging the same away from the front edge of said seat, whereby the rearward edge of said bar adjacent the ends thereof engages and slides along said rounded edges of said angular plates and enters the locking notches of said plates when said connected legs are swung away from said seat.

2,136,544
TRANSPARENT COATED SHEET MATERIAL
Erich Gebauer-Fuelnegg, deceased, late of Evanston, Ill., by Marie Gebauer-Fuelnegg, Evanston, Ill., administratrix, and Eugene W. Moffett, Pittsburgh, Pa., and Edouard M. Kratz, Chicago, Ill., assignors to Marbon Corporation, Gary, Ind., a corporation of Delaware
No Drawing. Original application April 26, 1934, Serial No. 722,510. Divided and this application January 14, 1938, Serial No. 184,956
4 Claims. (Cl. 91—68)

1. Transparent composite sheet material comprising a flexible casein sheet enveloped in a thin coating of rubber hydrochloride.

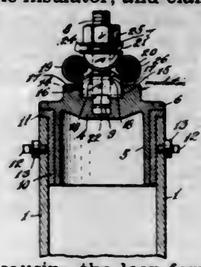
2,136,545
CAP AND PACKAGE
John C. Gibbs, Brooklyn, N. Y., assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y., a corporation of New York
Application January 19, 1935, Serial No. 2,486
1 Claim. (Cl. 215—40)



A sealed package comprising in combination, a container having a sealing surface provided with an outwardly extending bead, a closure cap, a gasket in said cap, an inwardly extending rib in the skirt of said cap adapted to press said gasket against the sealing surface above said bead, and a second rib in the skirt of said cap adapted to press said gasket against the sealing zone below said bead.

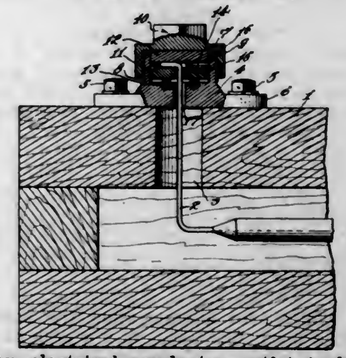
2,136,546
CABLE OUTLET
Godfrey Gort, Chicago, Ill., assignor to Western Railroad Supply Company, Chicago, Ill.
Application October 12, 1937, Serial No. 168,584
1 Claim. (Cl. 247—1)

A parkway cable outlet including a standard, an insulator fitting over the end of the standard with means for fastening it thereto, and having a hole therein to permit the passage of the parkway cable therethrough, a stud permanently carried by the insulator, a spring member positioned on the insulator around the stud, said spring member having loop formations on opposite sides of the stud and having its ends forming seats carried directly by the insulator, and clamping means on



the stud for causing the loop formations to contract and grip conductors inserted within said loops.

2,136,547
ELECTRICAL CONDUCTOR OUTLET
Godfrey Gort, Chicago, Ill., assignor to Western Railroad Supply Company, Chicago, Ill.
Application May 3, 1938, Serial No. 205,669
7 Claims. (Cl. 247—1)



1. An electrical conductor outlet including a member through which the conductor is brought, a fitting having a base portion mounted on said member, said fitting having an integral circularly formed threaded portion extending upwardly from the base portion with a centrally disposed space therein, the fitting having a hole through the base portion to permit the passage of said conductor from said member into said space, said base portion having transverse passageways therein at the bottom of said space and intersecting said space, to receive outgoing cables, clamping means positioned within said space for engaging said conductor and the outgoing conductors or cables and a threaded member engaging said threaded portion on the fitting for forcing said clamping means to securely grip the conductors or cables.

2,136,548
COPPER-THORIUM ALLOYS
Franz R. Hensel and Earl ... Larsen, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Application September 15, 1937, Serial No. 164,034
4 Claims. (Cl. 219—4)

1. An alloy consisting of copper and from 0.005% to 10% thorium, to which an element has been added, taken from the second group of the periodic system, the latter elements being present in quantities from the least useful amount up to 30%.

2,136,549
COPPER-URANIUM ALLOYS
Franz R. Hensel and Earl I. Larsen, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Application September 15, 1937, Serial No. 164,035
4 Claims. (Cl. 219—4)

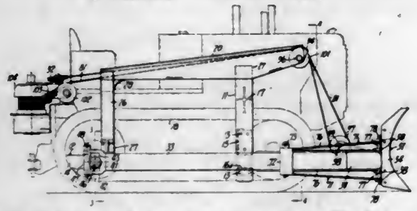
1. An alloy consisting of copper and from 0.005% to 10% uranium, to which an element has been added, taken from the second group of the periodic system, the latter elements being present in quantities from more than traces up to 30%.

2,136,550
GANG PLOW
Michael Howard, Endicott, Wash.
Application August 9, 1937, Serial No. 158,091
7 Claims. (Cl. 97—77)



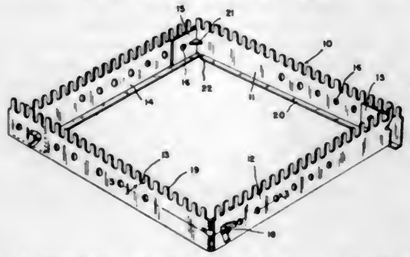
1. In a hitch for a gang-plow, the combination with a main hitch-bar, and a pair of plow-units each having a hitch-bar one of which is flexibly connected to the main hitch bar, of a draw bar detachably connected to the main hitch bar and to the hitch bar of the trailing unit, and a coupling bar forming a brace between the front plow-unit and the draw bar, whereby the draw bar and the trailing plow-unit are maintained in longitudinal alinement.

2,136,551
EARTH MOVING DEVICE
John F. Knapp, Oakland, Calif., assignor to American Tractor Equipment Corporation, a corporation of California
Application September 26, 1936, Serial No. 102,744
6 Claims. (Cl. 37—144)



4. A device of the character described for attachment to a tractor having opposite parallel track frames, two inverted U members, each of said U members being positioned over and extending along a track, an inverted U frame engaging each U member and supported at the front end of each of said track frames in inverted position, a member supported upon each track frame adjacent the rear end thereof and supporting said U member, an earth working tool, a tool support frame hinged on said track frames for supporting said tool in advance of said tractor, and means extending between the confines of each of said U members and mounted thereon for raising and lowering said tool support frame.

2,136,552
HAND LOOM
Joseph A. Le Page, Detroit, Mich., assignor to Straits Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application October 11, 1937, Serial No. 168,502
4 Claims. (Cl. 139—34)

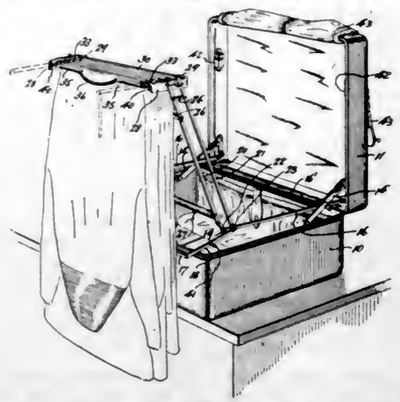


3. A weaving device comprising a frame having sheet metal stampings cooperating with each other to form adjacent sides of the frame, one longitudinal edge portion of one stamping being bent laterally to form a foot flange extending from one end of said stamping and terminating short of the opposite end of the latter, the opposite longitudinal edge of the aforesaid stamping and the corresponding longitudinal edge of the other stamping having a series of relatively closely spaced vertically extending projections stamped out therefrom, said first stamping also having a portion extending beyond the end of the foot flange bent laterally to form an attaching flange adapted to abut the adjacent stamping, and means detachably securing the attaching flange to the adjacent stamping at different points along the length of the latter.

2,136,553
HAND LUGGAGE CASE
Alvin I. Levien, South Orange, N. J., assignor to K. Kaufmann & Co., Inc., a corporation of New Jersey
Application February 10, 1936, Serial No. 63,103
3 Claims. (Cl. 190—41)

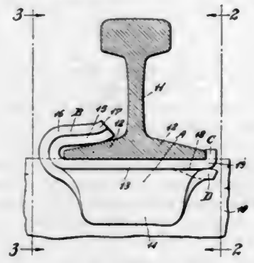
1. A garment supporting and folding frame structure for a luggage case having a body and cover hinged thereto comprising, a main frame pivotally connected to the cover adjacent to the hinge connection between said body and cover, a foldable footing frame extensible from the free end of said main frame when the latter is outswung from said cover, said footing frame being adapted when extended to rest on the front wall of said body to thereby support said main frame in extension over the open top of said body, a secondary frame having side members each comprising parallel side bars pivoted in laterally spaced relation to the free end portions of said main frame sides, a transverse folder bar affixed to and between said secondary frame side members adjacent the pivotal connection thereof with said main frame, stop means for holding said secondary frame in unfolded upstanding relation

to said main frame when the latter is outswung in extension over the open top of said body, and a garment suspension rack pivotally connected between the free end portions of said parallel side bars of said secondary frame, said rack being,



by the action of said parallel side bars, automatically disposed in a horizontal plane when said secondary frame is erected and automatically moved into a plane substantially parallel to said secondary frame when it is folded relative to said main frame.

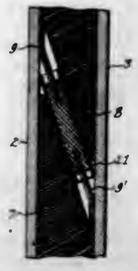
2,136,554
RAIL ANCHOR
James E. Lindeman, Evanston, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application December 24, 1936, Serial No. 117,551
15 Claims. (Cl. 238—330)



4. A one-piece rail anchor comprising a horizontally disposed barlike section having a depending vertical flange along one edge, said anchor having a gripping jaw at one end thereof formed by overlying portions of said bar and flange, and having means at the other end for holding said anchor on the rail.

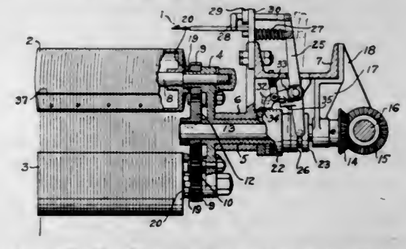
2,136,555
ELECTRICAL EQUIPMENT MOUNTING
Homer J. Loftis, Ironton, Ohio, assignor to Henrite Products Corporation, Ironton, Ohio, a corporation of Ohio
Application December 18, 1936, Serial No. 116,471
2 Claims. (Cl. 175—264)

1. As an article of manufacture, a compressible body of electrical insulating material and an elongated solid and rigid electrical resistor incorporated in said body and provided with flexible terminals extending endwise therefrom respectively to adjacent opposite surfaces of said body, said resistor being disposed with its longitudinal axis inclined at an acute angle to said surfaces whereby said resistor is capable of at least a relatively slight rotational movement



bodily to accommodate itself to relatively slight changes in the shape of said body occurring due to the application of varying forces normal to the opposite surfaces of said body where said resistor is located.

2,136,556
THREAD STORE DEVICE
Louis E. Lovett, Cleveland Heights, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application June 15, 1936, Serial No. 85,240
15 Claims. (Cl. 242—53)

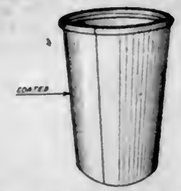


1. A method of initially winding thread on a thread store device of the type comprised of a plurality of spaced longitudinally extending thread-advancing members, at least two of which are in inclined relation, adapted by rotation of at least one thereof about its own axis to advance longitudinally thereof thread wound about said thread-advancing members comprising the steps of rotating said thread-advancing members about an axis extending longitudinally thereof, meanwhile causing the thread to wind for one or more complete turns about said thread-advancing members at a point remote from the point at which the thread is to be discharged from said thread-advancing members; discontinuing such rotation; and causing the turns of thread so wound about the thread-advancing members to advance to the discharge point by rotating about their own axes such thread-advancing members as are rotatable.

2,136,557
COATING
Angus MacLachlan, deceased, late of Metuchen, N. J., by Walter H. Griffin, executor, New York, N. Y.
Application December 3, 1937, Serial No. 177,971
5 Claims. (Cl. 91—68)

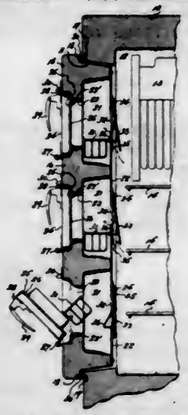
1. A waterproof and greaseproof container comprising a fibrous base made greaseproof and

waterproof by being treated with a fatty material that is solid at around 40° C. and contains no ap-



preciable amount of material that is not solid at such temperatures.

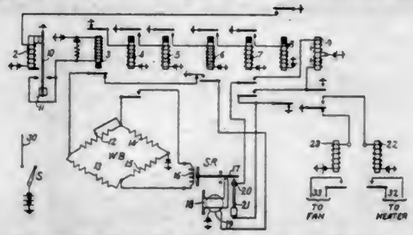
2,136,558
REFRIGERATOR
Charles Manshel, East Orange, N. J.
Application September 20, 1935, Serial No. 41,367
2 Claims. (Cl. 62—89)



1. In a refrigerator comprising a housing providing an interior chamber having a door opening leading thereinto, a primary door member movable to open and close said door opening, said primary door member having a recessed portion at its inner side, means to partition said recessed portion from the interior chamber of said refrigerator housing, said partitioning means having an opening to establish cool air communication between the interior chamber of said refrigerator housing and said recessed portion, said primary door member having an exterior access opening leading into said recessed portion, a secondary door movable to open and close said access opening, means affixed to the inner side of said secondary door to support material within said recessed portion, a spring-actuated closure plate to close said communication opening when said secondary door is opened, said closure plate having a projecting push-piece engageable by said supporting means when the latter is positioned by the closed secondary door within said recessed portion whereby said closure plate is opened when said secondary door is closed.

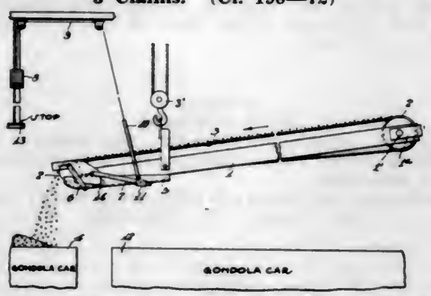
2,136,559
TEMPERATURE CONTROL SYSTEM
Merton R. Miller, Evanston, Ill., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application May 9, 1934, Serial No. 724,740
19 Claims. (Cl. 236—70)

10. The method of controlling temperature in a given space to maintain the temperature therein at a substantially constant predetermined value which comprises, continuously varying the temperature of said space within narrow limits



by adding heat while the temperature is at said predetermined value, periodically testing the temperature to detect a rise, shutting off the heat as soon as a rise is detected, and starting a cooling operation after the heat is shut off.

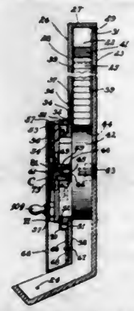
2,136,560
CONVEYER DISCHARGE APPARATUS
Fay I. Nichols, Pittsburgh, Pa., assignor to Koppers-Rheolaveur Company, a corporation of Delaware
Application August 3, 1935, Serial No. 34,573
3 Claims. (Cl. 198—72)



1. The combination of a conveyer boom shiftable about a horizontal axis to raise and lower the delivery end thereof, a transfer chute mounted beneath the delivery end of said boom to turn on a horizontal axis, said chute being deeper at its receiving end than at its delivery end for receiving material from the delivery end of the boom and delivering said material in a direction the reverse of that of said boom, and means shifting the axis of the chute longitudinally of the boom and turning said chute into and out of receiving relation with the delivery end of the boom when said delivery end is raised and lowered, said means comprising long swinging links fulcrumed on the boom and connected with the chute in proximity to its rear delivery end and short swinging links fulcrumed on the boom and connected with the chute at its aforesaid pivotal axis in proximity to the forward receiving end of the chute.

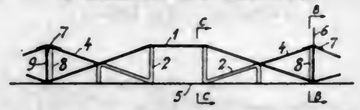
2,136,561
COIN-HANDLING MECHANISM FOR VENDING MACHINES AND THE LIKE
Albert F. Parks, deceased, late of Fairfield County, Conn., by Donald E. Robinson, executor, Burlington, N. C.
Application October 4, 1935, Serial No. 43,622
14 Claims. (Cl. 194—22)

1. A unit-type coin-actuated controlling mechanism including a stationary control plate having an upper coin-receiving aperture, an axial bore and a detent notch adjacent to the aperture; a rotatable actuating disc coaxial with the plate; a drive shaft in the bore and having a hub portion connected to the disc, said hub portion



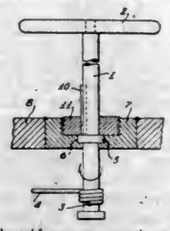
having an axial coin pocket; and a latch element on the disc normally engageable in the detent notch for locking the disc against rotation in the plate.

2,136,562
SHIP'S HULL
Reginald Paulsen, Oslo, Norway
Application January 7, 1937, Serial No. 119,372
In Norway July 29, 1936
2 Claims. (Cl. 114—79)



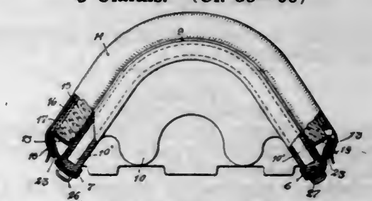
1. A reinforcing wall structure for use in ship hulls comprising continuous longitudinal main struts extending lengthwise to the walls of the hull, said struts being fastened to the walls at certain intervals and having their intermediate portions formed to extend at a distance from the face of said walls, diagonal struts inserted between said main strut and the wall of the hull and connected to the main strut and the wall of the hull to firmly maintain the respective relationship between said walls and struts, a plate at each extremity of the individual main struts fastened to the wall of the hull and extending at right angles therefrom, openings in said plate, and additional struts passing through said openings and connected at their free ends to the main strut.

2,136,563
SLACK LIMITING DEVICE
Emil H. Piron, New York, N. Y., assignor to Transit Research Corporation, New York, N. Y., a corporation of New York
Application February 27, 1937, Serial No. 128,119
2 Claims. (Cl. 188—197)



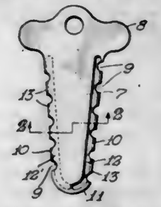
1. In combination, a rotary force applying means, said means being rotatable in one direction to apply a force and in reverse direction to relieve the application of force, means independent of said force applying means for limiting the rotation in reverse direction comprising a stationary member having a first threaded portion, a member having a second threaded portion carried by and slidably keyed to a rotary part of said force applying means and disengageable with said first threaded portion upon each rotation in one direction, and means for limiting the number of possible turns of said first portion in said second portion upon rotation in reverse direction.

2,136,564
DEMOUNTABLE TOP FOR PRESSING MACHINES
George C. Ricketson, New York, N. Y.
Application December 31, 1936, Serial No. 118,475
5 Claims. (Cl. 38—66)



1. A metallic top for pressing machines comprising an arc-shaped body, an abutment secured to each end of said body and upstanding therefrom for preventing a padding moving off the ends of the body, a plate having facing grooves mounted on each of said end abutments, and a covering cloth holder carried by said plates.

2,136,565
PIPE BOWL REAMER
Edmund W. Roberts, Jr., Cincinnati, Ohio
Application June 26, 1934, Serial No. 732,498
1 Claim. (Cl. 131—13)

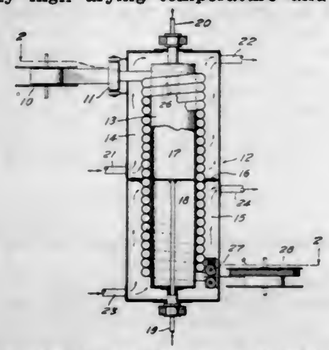


A pipe cleaner comprising a metal plate having the edges thereof formed with teeth, the outer free edges of the teeth being in a line defining substantially a parabolic curve, each tooth having one face thereof flat, and the opposite face thereof formed with a recess, the teeth on opposite edges of the plate having their respective recesses facing in opposite directions.

2,136,566
METHOD FOR MAKING SAUSAGE CASINGS
Otto Schnecko and Bruno Parth, Wiesbaden-Biebrich, Germany, assignors to The Visking Corporation, Chicago, Ill., a corporation of Virginia
Application June 12, 1936, Serial No. 84,889
In Germany June 29, 1935
12 Claims. (Cl. 18—57)

1. The method of manufacturing casings for edible products from moist, regenerated cellulose tubing which comprises arranging said tubing in inflated form with a desired curvature drying the side thereof on the inside of the curve while

it is in inflated condition by application of a relatively high drying temperature and drying

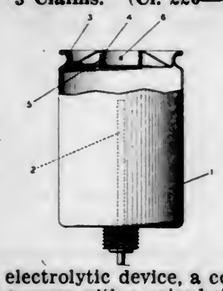


the remainder by application of a substantially lower drying temperature.

2,136,567
RUBBER TIRE
Cornelius W. Smith, Detroit, Mich., assignor to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application September 27, 1935, Serial No. 42,459
4 Claims. (Cl. 152—330)

1. A rubber tire having a protective coating for an exposed surface comprising a relatively flexible neutral water soluble paint in a dried condition.

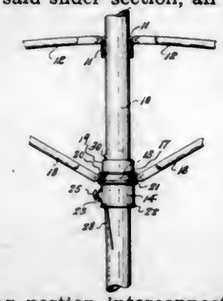
2,136,568
VENT FOR ELECTROLYTIC DEVICES
George K. Sziklai, New York, N. Y., assignor to Electro-Mechanical Research, Inc., Brooklyn, N. Y., a corporation of New York
Application April 17, 1936, Serial No. 74,892
3 Claims. (Cl. 220—44)



3. In an electrolytic device, a container for an electrolyte, a cover with a raised rim hermetically united to said container, a cylindrical re-entrant recess in said cover the cylindrical wall of said recess having a series of spaced perforations, a flat rubber band tightly fitted over said cylindrical wall on the interior of the container, said rubber band having a series of fine normally closed openings in alignment with the said perforations, said perforations being disposed below the upper edge of said rim and facing said rim for the purpose described.

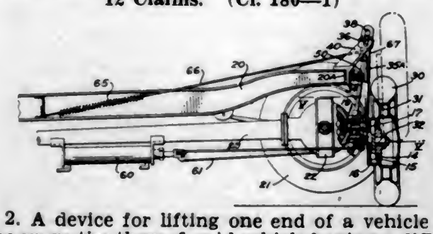
2,136,569
UMBRELLA RUNNER AND CATCH THEREFOR
Russell W. Trimpi, South Orange, N. J., assignor to Newark Rivet Works, Newark, N. J., a corporation of New Jersey
Application June 28, 1938, Serial No. 216,211
4 Claims. (Cl. 135—41)

1. In an umbrella or the like, a staff having a depressible detent means normally outwardly projected from the side thereof, a rib structure controlling runner slidable on said staff, said runner comprising a slider section to slidingly fit the staff, a diametrically enlarged skirt section below said slider section, an annular shoul-



der forming portion interconnecting said slider and skirt sections, the internal underside of which is engageable by said detent means, and a push-button device carried by said skirt section, the same being manipulatable to releasingly depress said detent means.

2,136,570
MOTOR VEHICLE
Brooks Walker, Piedmont, Calif.
Application February 8, 1935, Serial No. 5,643
12 Claims. (Cl. 180—1)

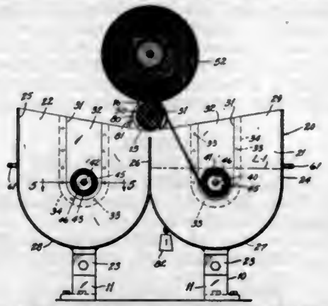


2. A device for lifting one end of a vehicle on the spare tire thereof, said vehicle having a differential at the lifting end for driving the wheels at that end of the vehicle, a driving means extending outwardly from said differential housing away from the center of said vehicle, a gear attached to said spare tire to rotate directly therewith, means for directly connecting said driving means and said gear when said spare tire is lowered into ground engagement, said gear being of the internal type and supported in such a manner than when lowered the lower edge thereof misses said driving means, the upper teeth of said internal gear engaging said driving means when said spare tire is completely lowered, said driving means remaining in relatively the same fore and aft position during the lowering operation of said spare tire.

2,136,571
JIG DYEING MACHINE AND METHOD
Frederick C. Wedler, Aiken, S. C.
Application December 16, 1935, Serial No. 54,532
16 Claims. (Cl. 8—151)

1. In the method of liquor treating material, the steps of successively collecting the material into a liquor containing vat beneath the liquid level therein, the liquid level being initially below the potential maximum height of the material, maintaining said level above the mass of collected material by the displacement caused by the increasing mass of material in the vat, passing the material successively into another vat, the liquid level of which is initially

below the potential maximum height of the material, and maintaining the latter level above the increasing height of the collecting material by the displacement caused by said material.

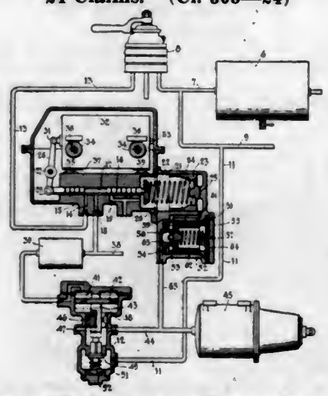


5. In an apparatus of the kind described, a vat adapted to contain liquor, and to have a quantity of material successively collected therein, said vat being adapted to contain liquor at a level initially below the potential height of the entire final mass of collected material, said vat being so shaped and dimensioned that the liquor level will be elevated by the displacement caused by the increasing mass of the material and will be maintained above said mass, and discharge means permitting outflow of the liquor from the vat when the level reaches approximately a maximum height equal to the top elevation of the material when the total mass thereof is disposed in the vat.

2,136,572
OZONIZER
Herbert A. Winkelmann and Albert Baird Fridaker, Chicago, Ill., assignors to Marbon Corporation, a corporation of Delaware
No Drawing. Application March 20, 1936, Serial No. 69,880
5 Claims. (Cl. 204—32)

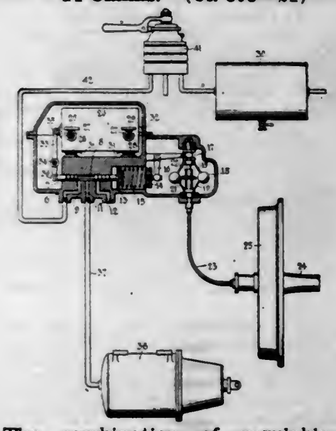
1. In an ozonizer, an electrical assembly comprising at least two electrodes having a dielectric therebetween composed essentially of a rubber hydrochloride.

2,136,573
AIR BRAKE
Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application December 27, 1933, Serial No. 704,186
24 Claims. (Cl. 303—24)



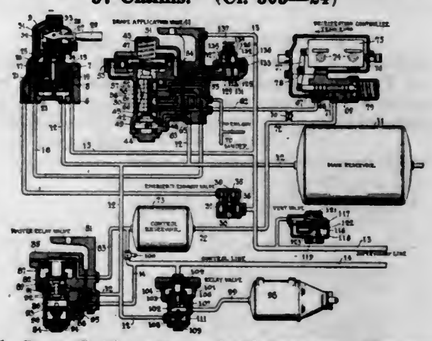
1. The method of controlling vehicle brakes, which comprises regulating the intensity of brake application in response to the deceleration produced by such application, to produce a substantially uniform deceleration rate; and changing such deceleration rate to a different uniform rate in response to change of the intensity of brake application.

2,136,574
AIR BRAKE
Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application December 27, 1933, Serial No. 704,187
14 Claims. (Cl. 303—21)



1. The combination of regulable braking means for a vehicle, and controlling means therefor comprising an inertia device responsive to vehicle deceleration connected to regulate said braking means, and a device responsive to vehicle speed connected to modify the action of said inertia device.

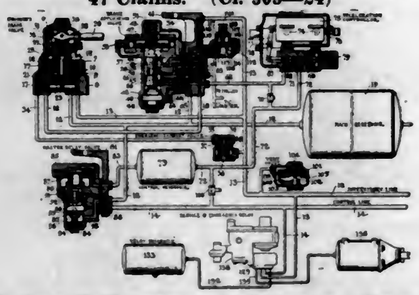
2,136,575
FLUID PRESSURE BRAKE
Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application May 19, 1934, Serial No. 724,987
37 Claims. (Cl. 303—24)



1. In a fluid pressure brake system, the combination of a source of pressure fluid; a normally charged supervisory line which supplies pressure fluid for brake applications; a movable abutment interposed between said source and said line; biasing means acting on said abutment to assist

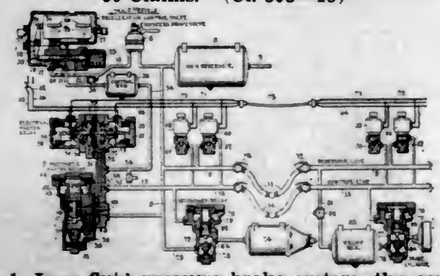
supervisory line pressure; means controlling charging of said line from said source, and responsive to motion of said abutment to interrupt such charging when supervisory line pressure is reduced below pressure of said source; and a normally closed bypass valve independently operable to establish a connection of larger capacity than said charge-controlling means between said source and said line.

2,136,576
FLUID PRESSURE BRAKE
Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application May 10, 1934, Serial No. 724,988
47 Claims. (Cl. 303—24)



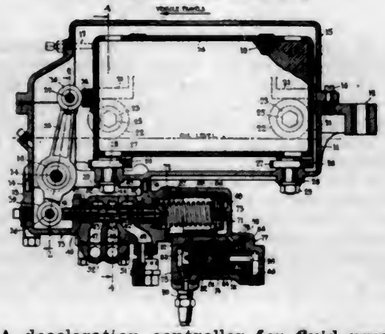
1. In a fluid pressure brake system, the combination of a normally charged supervisory line; a local reservoir charged therefrom; means preventing back flow from the reservoir to the supervisory line; a normally vented control line; means for supplying pressure fluid to the control line to develop pressure therein; a brake cylinder; a relay valve comprising an actuating abutment normally subject to control line pressure and valve means operable thereby to admit pressure fluid from said reservoir to the brake cylinder and to exhaust said brake cylinder to control the application of the brakes; means responsive to the depletion of supervisory line pressure for interrupting the communication between said control line and the abutment of said relay valve and for subjecting said abutment to pressure fluid; and means responsive to the rate of deceleration produced by a brake application for cutting off the supply of pressure fluid to the control line and for thereafter venting pressure fluid therefrom to limit the deceleration rate.

2,136,577
FLUID PRESSURE BRAKE
Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application May 10, 1934, Serial No. 724,989
60 Claims. (Cl. 303—15)



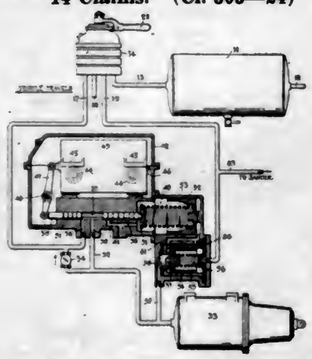
1. In a fluid pressure brake system, the combination of a source of pressure fluid; means for establishing a regulatory pressure; a control line; two relay motors each responsive to differentials between said regulatory pressure and pressure in said control line; valve means mechanically actuated by one of said motors and serving to regulate control line pressure; electrically actuated valve means operable to regulate control line pressure; and switching means operable by the other relay motor and controlling said electrically actuated valve means.

2,136,578
FLUID PRESSURE BRAKE
Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application May 10, 1934, Serial No. 724,990
23 Claims. (Cl. 303—24)



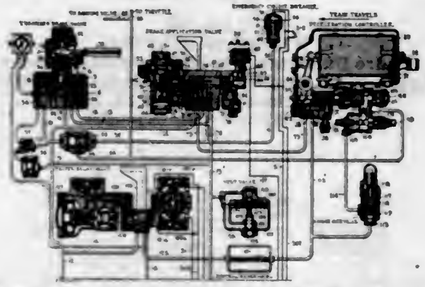
1. A deceleration controller for fluid pressure brakes, comprising in combination, a modulating valve including a ported seat and a valve element of the balanced piston type coacting with said seat to perform alternative admission and exhaust functions; an inertia mass guided to move substantially in a right line; a driving connection from said mass to said valve; and yielding means characterized by a resistance to displacement which increases with displacement, opposing movement of said valve by said mass, said yielding means, together with said mass, determining the functional position of said valve element relatively to said seat.

2,136,579
FLUID PRESSURE BRAKE
Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application July 19, 1934, Serial No. 736,068
14 Claims. (Cl. 303—24)



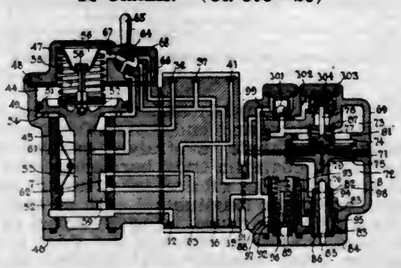
1. In a braking system, the combination of power actuated braking means; a controller operable to produce service and emergency applications and release of said braking means; a modulating device responsive to the deceleration produced by a brake application and serving to modulate such application; adjusting means for said modulating device responsive to change of braking force past a critical value; and a connection between said adjusting means and said controller, whereby the controller when in a given position modifies the action of said adjusting means.

2,136,580
FLUID PRESSURE BRAKE
Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application June 21, 1935, Serial No. 27,758
77 Claims. (Cl. 303—15)



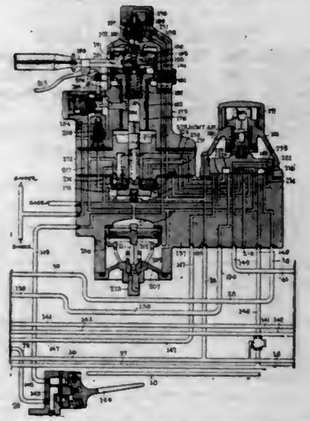
1. In a fluid pressure brake system, the combination of a normally charged supervisory line; a control line; brake applying units connected with said lines and each including a local reservoir arranged to be fed from the supervisory line, a brake cylinder, a relay mechanism for supplying the brake cylinders with air from said reservoirs and for releasing air from the cylinders in response to variable pressure in the control line, and electrically actuated valves for supplying air from said reservoir to the control line and for venting the control line; relay means adapted to function in response to a variable regulatory pressure to vary the pressure in the control line, said relay means including switching means for selectively operating said electrically actuated valves; and two means for controlling said regulatory pressure, one of said means being manually operable and the other operating in response to depletion of supervisory line pressure.

2,136,581
AIR BRAKE
Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application September 9, 1935, Serial No. 39,871
16 Claims. (Cl. 303—26)



14. In an air brake system, the combination of a normally charged brake pipe; a normally and independently charged controlling connection; independent means for venting each; and a vent valve adapted to respond to sudden venting of either to connect the controlling connection with the brake pipe and vent the brake pipe.

2,136,582
AIR BRAKE
Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application April 17, 1936, Serial No. 75,004
Renewed March 2, 1938
42 Claims. (Cl. 303—26)



1. In a pneumatic brake system, the combination of a normally charged brake pipe; a normally vented straight air pipe; an air supply; an engineer's brake valve connected to said pipes and supply; and changeover means associated with said brake valve and adjustable at will selectively to two settings, in one of which it establishes a charging path to the brake pipe and establishes connections to certain ports in the engineer's brake valve whereby it conditions the engineer's brake valve to control the brakes by varying the pressure in the straight air pipe, and in the other of which it establishes different connections to the same ports in the engineer's brake valve whereby it conditions the engineer's brake valve to control the brakes by varying the pressure in the brake pipe.

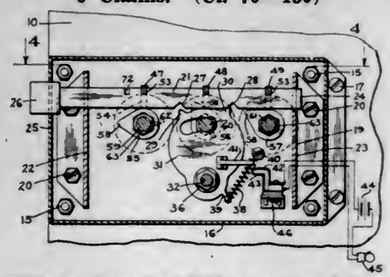
2,136,583
UTILITY CONDUIT
Alfred Corbett, Irwin, Pa., assignor to National Electric Products Corporation, a corporation of Delaware
Application May 22, 1936, Serial No. 81,202
Renewed April 16, 1938
4 Claims. (Cl. 247—3)



1. A utility conduit comprising a conduit shell adapted for direct mounting on an underlying surface and having a longitudinally extended opening in its upper region spaced from the lateral boundaries of the conduit, lengths of

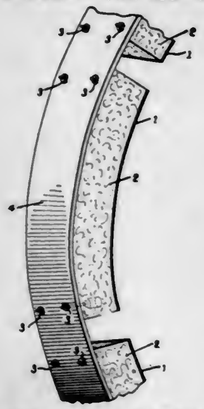
elongate multiple outlet duct each comprising a channel element lying within the conduit, the lengths of multiple outlet duct and the conduit shell in assembly cooperatively defining at least one auxiliary duct within the conduit shell and lying laterally of the multiple outlet duct; and at least one junction box defined by an interval within the conduit which interval is formed by the physical end spacing of adjacent channel elements of the multiple outlet duct lengths, the lengths of multiple outlet duct being electrically interconnected at the junction boxes, said junction boxes accommodating for the making of feed connection to the multiple outlet duct and to the electrical connection of auxiliary duct conductors.

2,136,584
COMBINATION LOCK
Ralph Benjamin, Waterbury, Conn., assignor of twenty-five per cent to Leonardo Mancini and twenty-five per cent to Nicholas Mancini, both of Waterbury, Conn.
Application December 31, 1937, Serial No. 182,758
6 Claims. (Cl. 70—150)



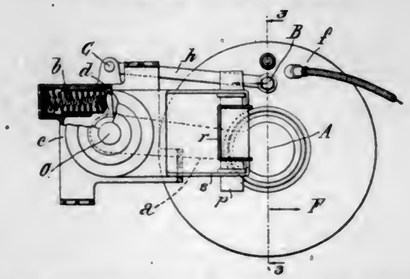
1. In a combination lock, a casing, a normally protracted latch bolt having a cross-slot in the top thereof, means to retract said latch bolt, a vertically movable bar adapted to drop into said slot whenever said bolt is in protracted position, manually rotatable means on one side of the lock to raise said bar out of the slot to permit retraction of said bolt, and a pivoted lever on the other side of the lock to also raise said bar.

2,136,585
COMPOSITE BRAKE BLOCK
Donald S. Bruce, Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application August 14, 1937, Serial No. 159,062
1 Claim. (Cl. 188—251)



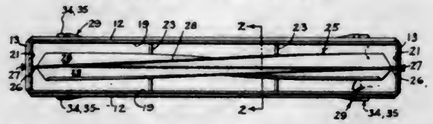
A brake block having a wearing face portion comprising two integrally united laminations of friction material, the inner lamination being composed of a molded rigid friction composition including a binder such as rubber and short pieces of asbestos yarn, said composition being of high wear-resistance relative to the wear-resistance of the friction material of the outer lamination and of a thickness sufficient to constitute it the major wear-resistant element during the working life of the block, the outer lamination being composed of layer accreted friction material also including a binder such as rubber and asbestos fibre but in such proportions and so distributed that said material is of substantially less wear-resistance and thickness than the material of the inner lamination and adapted to constitute the wear-resistant element only during a relatively short initial period of the total working life of the block.

2,136,586
WHEEL MOUNTING
André Dubonnet, Neuilly-sur-Seine, France
Application January 5, 1933, Serial No. 650,355
In Belgium November 14, 1932
27 Claims. (Cl. 267—20)



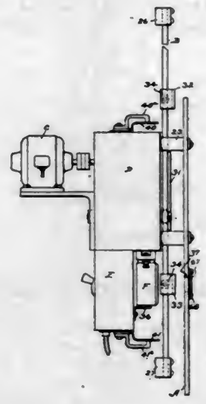
1. A wheel mounting for a vehicle having a chassis, comprising a wheel spindle, a member around said spindle capable of angular turning movement with respect thereto, an arm pivoted on said chassis to turn about a substantially horizontal axis, spring means resisting turning of said arm in at least one direction, and means including said arm to support said wheel spindle rigidly perpendicular to said arm and to limit turning movement of said member, said last means further including a rigid element pivoted to said chassis and member.

2,136,587
FEEDING AND WATERING DEVICE
Donald S. Gaskill, Lyndonville, N. Y.
Application October 23, 1936, Serial No. 107,207
6 Claims. (Cl. 119—61)



1. A feeder for fowl including a container having vertical sides and ends, the sides and ends forming a rectangle, a straight central shaft extending through the ends, bars secured to said shaft and extending substantially the full length thereof, the outer longitudinal edge of each bar having a spiral configuration with respect to said shaft, and the upper edges of the sides of said container being straight and parallel to said shaft.

2,136,588
MEANS FOR CONTROLLING PHOTOGRAPHIC EXPOSURES
William C. Huebner, New York, N. Y.
Application November 28, 1936, Serial No. 113,174
11 Claims. (Cl. 95—10)

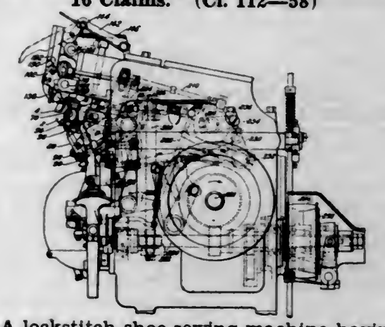


1. In a repeating photographic exposure controller, the combination with electric circuits having included therein a light source and an electric motor; of light-sensitive means also included in said circuits and which light sensitive means govern the stopping of said motor and shutting off of said light source, said light-sensitive means being so located as to be actuable by light emanating from said light source; movable shutter means including light-intercepting elements the light intercepting elements of said means being movable in a path located between said light source and said light-sensitive means and into and out of position to intercept light to said light sensitive means; and means operatively interposed between said motor and movable shutter means for actuating the latter from the motor, whereby when said shutter means has been actuated by the motor to a position to intercept the light to said light sensitive means, the latter then is so actuated as to cause the motor to stop and the light source to be shut off.

2,136,589
PROCESS FOR THE MAKING OF SILK KNITTING
Hisashi Kakizaki, Okaya City, Japan, assignor of one-half to Goshi Kaisha Masuzawa Shoten, Okaya City, Japan, a corporation of Japan
No Drawing. Application July 21, 1937, Serial No. 154,916
2 Claims. (Cl. 66—125)

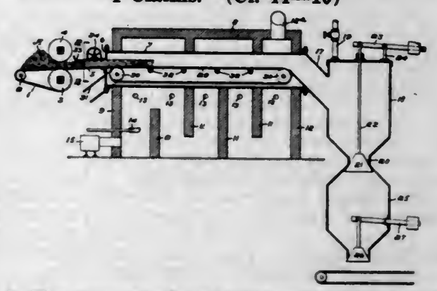
1. Process for making silk knitted work comprising the steps of deriving silk filaments at a comparatively low speed from cocoons softened in heated water in a filament unravelling apparatus, collecting and causing the filaments to cohere into a thread having any desired fineness, and feeding the raw silk thread, while still containing a proper amount of water as well as sericin and being in a pliable state, to a knitting machine, the sericin being removed after knitting, whereby one is able to carry out knitting operations while deriving silk filaments direct from cocoons.

2,136,590
SHOE SEWING MACHINE
Bernard T. Leveque, Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Original application March 12, 1935, Serial No. 10,621. Divided and this application May 12, 1936, Serial No. 79,285
16 Claims. (Cl. 112—58)



1. A lockstitch shoe sewing machine having, in combination with the other stitch forming and work feeding devices, a hook needle, a locking thread case, a loop taker for passing a loop of needle thread over the locking thread case, means for pulling the needle loop from the thread case and into the work to set the stitch, a locking thread measuring device comprising thread gripping jaws, and means for opening and closing the jaws and for reciprocating the jaws along the lead of the thread timed to draw thread from the thread case prior to the pulling of the needle loop from the loop taker and to be in gripping engagement with the thread while the stitch is being set.

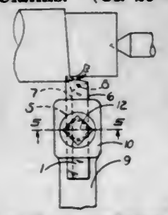
2,136,591
METHOD FOR MANUFACTURE OF COMPOUND AGGLOMERATE CONTAINING FUEL
Roy G. MacPherson, Framingham, Mass.
Application March 9, 1936, Serial No. 67,774
4 Claims. (Cl. 44—10)



1. The process of making compounded smokeless fuel comprising mixing about ten to thirty parts of comminuted coking coal with about ninety to seventy parts of comminuted non-coking coal and enough volatile liquid lubricating medium to serve as a temporary binder without substantially changing its character as a dry mixture, compressing the mixture essentially cold to form a self-sustaining continuous strip of approximately the density of an anthracite coal product, freely supporting the compacted strip while passing it through a heating zone containing substantially no oxygen in the surrounding atmosphere at a coking temperature for a period

sufficient to volatilize and coke the binder and part of the coal thereby causing the coking and non-coking coal to agglomerate in a hard dense coke-like mass having a specific gravity approximating that of the non-coking coal used, said mass containing sufficient volatile matter to be free burning in domestic heaters, and separating said mass into convenient size pieces for transportation and use.

2,136,592
TOOL HOLDER
John Mayer, Cleveland, Ohio
Application October 3, 1936, Serial No. 103,937
3 Claims. (Cl. 29—96)



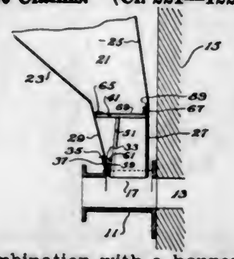
1. A cutting tool comprising a holder having an equilateral triangular passage therethrough parallel with the shank thereof and having one wall at approximately 12 degree angle from perpendicular and a cutting tool of an equilateral triangular form in cross section clamped in said passage and having its working end beveled from one flat face towards the oppositely arranged apex forming one cutting edge and two reserve parallel and equally spaced sharp cutting edges.

2,136,593
CAP FOR FUEL-OIL BOTTLES
John J. McLaughlin, Gloucester, Mass.
Application October 11, 1937, Serial No. 168,331
1 Claim. (Cl. 215—78)



An oil bottle cap comprising a shell adapted to fit tightly over the mouth and the adjacent end portion of the bottle neck, said shell having an opening through its bottom, a valve mounted in said shell and including a plunger having a valve disk on its upper end adapted to close said opening, a spring encircling said plunger and tending to hold the disk in its closed position, said shell having a supplemental cap member on the bottom thereof bulged outwardly to provide a chamber between the supplemental cap and said bottom and provided with a hole in vertical alinement with said opening to guide said plunger and with an external shoulder around said opening to center said spring, said bulged portion also having laterally disposed and restricted apertures controlling both the entrance of air into said chamber and also the escape of oil laterally therefrom, the apertures in said bulged cap member cooperating to provide a controlled and restricted escape of oil from said bottle and cap, whereby an approximately uniform level of oil is maintained in the reservoir, thus reducing to a minimum fluctuations in the burner flame due to changes in the oil level, and a collar supported in centered relationship to said bottom opening in the shell and dividing the space between said supplemental cap and said shell into inner and outer chambers and restricting the lateral inflow of air from said apertures into the bottle and also retarding the outflow of oil from the bottle through the apertures in said supplemental cap.

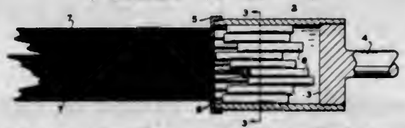
2,136,594
STOKER
Frank T. Nicholson, Braintree, Mass.
Application April 3, 1937, Serial No. 134,805
10 Claims. (Cl. 221—122)



1. The combination with a hopper for supplying coal to a stoker or the like, connections between the hopper and the stoker having converging, downwardly extending passages, and supplementary devices positioned in said passages, said devices each having a downwardly expanding coal conveying passage to facilitate the movement of coal from the hopper to the stoker.

7. A hopper for supplying coal to a plurality of stoker units or the like, said hopper having a substantially flat bottom with a plurality of spaced openings therethrough, connections from the openings having downwardly expanding passages for the delivery of coal from the hopper to the stoker units, an agitator in the hopper comprising a plurality of longitudinal members, coal agitating cross-members adjacent the flat bottom of the hopper and spaced from one another between the openings, and means adapted to be driven from the stoker for actuating the agitator to cause the cross-members to reciprocate between the openings, leaving said openings free and unobstructed at all times.

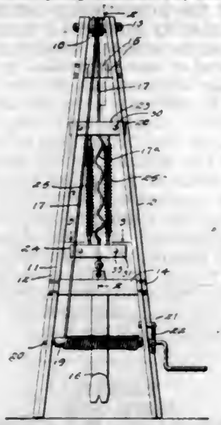
2,136,595
CLEANING TOOL
Hugh L. Rogers, Albion, Pa.
Application September 25, 1937, Serial No. 165,717
9 Claims. (Cl. 29—81)



1. A device for the purposes described comprising a body member, a plurality of flexible resilient needles mounted in the body for reciprocatory movement relative to each other longitudinally, said needles having working ends, a vibratory anvil positioned in the path of reciprocation of the needles and arranged for imparting blows endwise to the needles in spaced relation to their working ends and in a direction toward the working ends.

2,136,596
WELL DRILLING MACHINE
Daniel H. Smith, Shirley, Ark., assignor of one-fourth to Archie Tipton, Clinton, Ark.
Application December 16, 1937, Serial No. 180,189
4 Claims. (Cl. 255—5)

1. A well drilling machine comprising a rig, a flexible bit supporting cable, a pair of spaced apart cable clamping members, and springs connecting said members together to yieldably support the bit.



2,136,597
PACKER
Ferdinand J. Spang, Butler, Pa.
Application August 27, 1936, Serial No. 98,158
14 Claims. (Cl. 166—10)



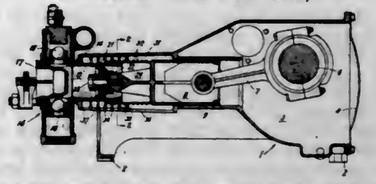
1. A well packer comprising a body, a cylindrical expansible element carried by said body, a member secured to said element and slidable over said body, an area restricting member of larger diameter than said expansible element secured to said body, and means on said area restricting member for expanding said element.

2,136,598
LOCK SEAL BAG
Arthur C. Strayer, Beaver, Pa.
Application July 8, 1937, Serial No. 152,640
8 Claims. (Cl. 150—7)



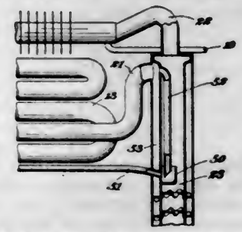
1. A bag having a front wall, a rear wall and inwardly foldable gussets constituting end walls, the rear wall having at its mouth a closing flap foldable longitudinally upon the front wall, the front wall having a closing flap foldable longitudinally upon the front wall, the inwardly foldable end walls extending up to the junction of said flaps with the front and rear walls and the flaps being entirely disconnected from each other, both flaps having a plurality of openings registrable when the rear flap is folded over upon the folded flap of the front wall, the flap of the front wall having outwardly projecting posts disposed laterally outward of said openings and adjacent the ends of the flaps and the opposed rear flap having openings through which the posts are adapted to extend when the flaps are folded upon each other, the rear flap having lateral extensions or tabs, one of said tabs having a plurality of openings adapted to register with the registering openings of the front and rear flaps and the other of said tabs having a plurality of posts adapted to extend through said registering openings when the tab is folded back over the other tab and against the rear wall, certain of said posts having means for engagement by locking or sealing devices.

2,136,599
SPRAY PUMP
Albert R. Thompson, Los Gatos, and Roy M. Magnuson, San Jose, Calif., assignors to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application June 15, 1936, Serial No. 85,220
13 Claims. (Cl. 103—202)



1. In a horizontal spray pump; a casing having a crankcase, a cylinder, and a guideway therein; a piston in said cylinder; a crosshead carrying said piston and mounted for reciprocation in said guideway; a series of annular baffles in said casing around said cylinder and spaced therefrom; a baffle skirt on said crosshead and telescoping over said cylinder and within said series of baffles; and a series of annular baffles on said skirt in wiping relation with said first-named series of baffles.

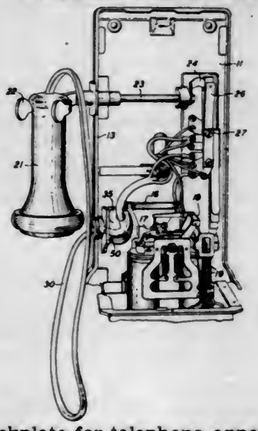
2,136,600
REFRIGERATION
Hugo M. Ulistrand, Evansville, Ind., assignor, by mesne assignments, to Servel, Inc., Dover, Del., a corporation of Delaware
Application July 11, 1935, Serial No. 30,795
17 Claims. (Cl. 62—119.5)



1. In a refrigerating system, an evaporator, an absorber, conduits connecting the evaporator and

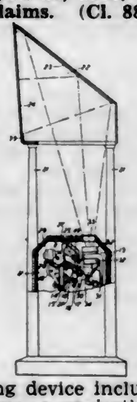
absorber for circulation of gaseous fluid, a by-pass communication between said conduits, and means to open and close said by-pass with respect to flow of gas therethrough.

2,136,601
TELEPHONE PAY STATION APPARATUS
David G. Anderson, Hinsdale, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 11, 1936, Serial No. 90,102
4 Claims. (Cl. 179—179)



1. A backplate for telephone apparatus having a receiver cord entrance housing adjacent an edge portion thereof, said edge portion having a cord entrance opening leading into a portion of the cord housing and said housing having a cord exit opening in another portion thereof leading to the front face of the backplate, and a baffle between said portions of the housing providing a tortuous passage interconnecting said openings.

2,136,602
TELETYPEWRITER PROJECTOR
George E. Atkins, Glen Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 22, 1936, Serial No. 97,369
12 Claims. (Cl. 88—28)



1. An exhibiting device including in combination a display area, a projection point, projecting means including a mirror for projecting onto the display area an image of display material located at the projection point, illuminating means interposed between the mirror and the projection point for illuminating display material located at the projection point and for conditioning said display material for projection onto the display area, primary display material continuously located at the projection point for illumination by the illuminating means and for projection onto the display area by the projecting means, secondary display material normally located away from the projection point, and conveying means for intermittently and alternately carrying the secondary display material toward and from the projection point for momentary illumination by the illuminating means and for momentary projection onto the display area by the projecting means, said conveying means including an arm for actually conveying the secondary display material, an eccentric cam for imparting a reciprocating motion to the arm, and a motor for rotating the cam.

2,136,603
HAIR NET
Harry Aull, Philadelphia, Pa., assignor to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 6, 1936, Serial No. 94,649
3 Claims. (Cl. 132—49)

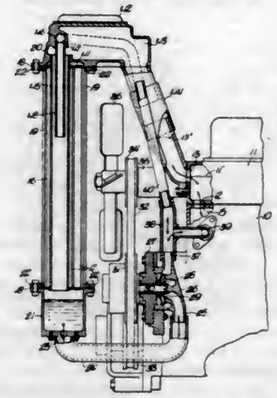


1. A hair net comprising an approximately semi-spherical network body and attached thereto a circumferential border, the latter comprising two halves, one of which comprises a flexible tape of fabric and a flexible and elastic core slidably associated therewith and the other of which comprises a flexible fabric and a drawing string slidably associated therewith, whereby when the net is applied to the head the drawing string may be manipulated to adjust the net to fit the head while the elastic core will retain the net in position with an elastic pressure that does not substantially vary with the size and shape of the head.

2,136,604
SEPARATION AND PURIFICATION OF AROMATIC AND NONAROMATIC NITROGEN BASES
James R. Bailey, Austin, Tex., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Original application October 17, 1932, Serial No. 638,195. Divided and this application December 14, 1936, Serial No. 115,783
11 Claims. (Cl. 260—269)

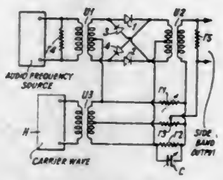
1. A process for resolving a mixture of organic nitrogen bases, as derived from petroleum, shale and pyrolytic distillate of cottonseed oil, and containing aromatic and hydroaromatic nitrogen bases which comprises forming the acid sulphates of said aromatic and hydroaromatic nitrogen bases and separating said acid sulphates by treating the same with acetone in which the aromatic acid sulphates are substantially insoluble but in which the hydroaromatic acid sulphates are soluble and separating the solution of the hydroaromatic acid sulphates from the insoluble aromatic acid sulphates.

2,136,605
COOLING SYSTEM FOR ENGINES
David B. Baker and Lloyd F. Overholt, Riverside, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application March 5, 1937, Serial No. 129,166
15 Claims. (Cl. 123—174)



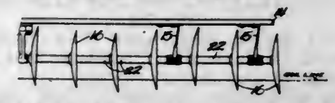
1. A cooling system for an internal combustion engine comprising, in combination with an engine having a water jacket, a radiator having a bottom header, a water circulating pump, an inlet conduit connecting the bottom header and the pump, a discharge conduit leading from said pump to the water jacket, a steam and vapor conduit connecting said bottom header with the upper part of the water jacket and extending thereabove, and an overflow water conduit connected between the discharge side of the pump and the jacket, said conduit extending above the top of the jacket and terminating in the steam and vapor conduit to form a siphon, the end of said overflow conduit determining the water level in the jacket side of the system.

2,136,606
MODULATOR
Hermann Bendel, Berlin, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany
Application November 19, 1936, Serial No. 111,579
In Germany December 23, 1935
7 Claims. (Cl. 179—171)



1. In a modulation system, a pair of rectifiers, an output circuit connected between corresponding electrodes of said rectifiers, means for impressing wave energy to be modulated in phase on like electrodes of said rectifiers, means for impressing modulating energy in phase opposition on like electrodes of said rectifiers, and additional means for additionally impressing wave energy in phase displaced relation on like electrodes of said rectifiers to control the operating characteristics of said rectifiers in a sense such that their characteristics are made similar.

2,136,607
DISK PLOW
Bert R. Benjamin, Oak Park, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application December 24, 1936, Serial No. 117,442
19 Claims. (Cl. 97—53)

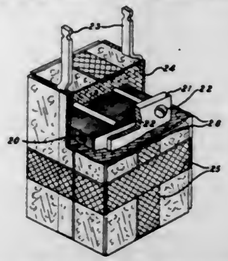


1. A rotatable tilling element adapted to rotate with a shaft, said element consisting of a substantially circular disk formed with an eccentric opening therein for mounting the disk on the shaft.

2,136,608
PROCESS FOR THE RECOVERY OF NAPHTHENIC ACIDS
Arthur L. Blount, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application October 5, 1936, Serial No. 104,094
13 Claims. (Cl. 260—514)

1. In a process for recovering the organic acids contained in petroleum oils and its fractions, the step of contacting said oils with an aqueous alkali solution containing soaps of organic acids of a lower average molecular weight than that of the acids present in the oils being treated.

2,136,609
ELECTRICAL DEVICE AND A METHOD OF MAKING THE SAME
Louis B. Butterfield, Short Hills, Robert F. Garrett, Cranford, and Robert E. Park, Jr., Allwood, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 10, 1936, Serial No. 73,716
5 Claims. (Cl. 175—41)



1. The combination in an electrical condenser of an unimpregnated stack of metal and dielectric laminae with means to protect the same comprising a protective sheath of substantially moistureless mineral fibres substantially completely surrounding the stack, a cast sheath of moisture proof asphaltic material thereover substantially completely and seamlessly enclosing the sheath of mineral fibres on all sides and prevented from entering the stack by the sheath of mineral fibres, and a preformed casing thereover having the cast sheath molded therein.

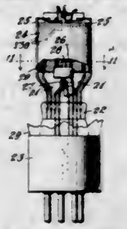
5. A method of making protected unimpregnated electrical condensers which comprises the steps of dehydrating a supply of fibrous electrically non-conductive material, wrapping the dried fibrous material about an unimpregnated stack of metal and dielectric laminae, and casting

a substantially seamless sheath of moisture proof asphaltic material as a cover completely enclosing the wrapped device on all sides, the wrapping of fibrous material preventing the molten asphaltic material from entering the stack.

2,136,610
PERTUSED ELECTRODE FOR ELECTRONIC TUBES

Edward A. Colby, Maplewood, N. J., assignor to Baker & Company, Inc., Newark, N. J., a corporation of New Jersey

Original application August 7, 1930, Serial No. 473,730. Divided and this application February 11, 1933, Serial No. 656,355
7 Claims. (Cl. 250—27.5)

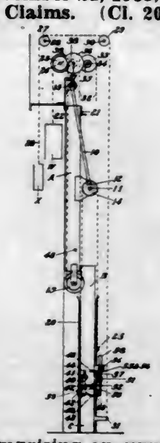


1. An electrode for electronic tubes formed of a sheet of suitable ductile metal having a plurality of polygonal pertusions therein each comprising an opening having at all sides approximately triangular walls of substantially equal size integral with the sheet formed by the material displaced by the pertusing operation and projecting substantially perpendicularly from one side of the sheet.

2,136,611
DOOR CLOSURE

Frank P. Cooper, Elizabeth, N. J., assignor, by mesne assignments, to Ralph E. Ogden, Mountainville, N. Y.

Application November 21, 1933, Serial No. 698,957
18 Claims. (Cl. 20—19)

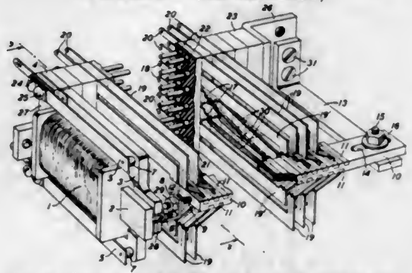


1. A door comprising an upper section, an intermediate section movable to a position overlying said upper section, said overlying section and upper section being movable laterally and inwardly to open position, a barrier section below and detachably connected to the intermediate section and movable therewith, means for moving said door sections vertically and laterally to open position, and means controlled by the barrier section for determining the overlying position of the intermediate section on the upper sections.

2,136,612
ELECTROMAGNETIC MULTISWITCHING APPARATUS

Arthur S. Dubuar, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 11, 1936, Serial No. 100,298
4 Claims. (Cl. 200—104)

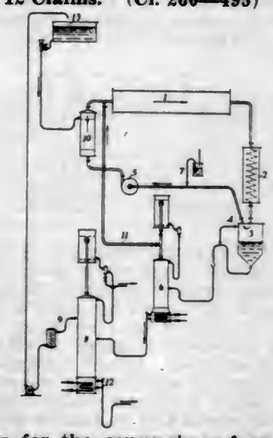


1. In a multicontact switching apparatus, the combination with two end supports, of an electromagnet secured to one of said supports, a drawbar secured to the armature of said electromagnet and slidably secured to the other of said supports, said draw-bar having insulating and conducting segments transverse to the longitudinal axis thereof, a plurality of sets of contact springs for sliding engagement with said segments, a terminal lug for each conducting segment, said sets of contact springs and terminal lugs being assembled into a plurality of units, a plurality of insulating blocks for separating said assembled units, means for clamping said units and blocks between said end supports and flexible conductors extending from said conducting segments to said terminal lugs whereby upon the operation of said electromagnet said draw-bar will be actuated to control a plurality of electrical paths between said springs and said lugs.

2,136,613
PROCESS FOR THE MANUFACTURE OF ESTERS, ESPECIALLY OF ETHYL ACETATE

Henri Martin Guinot, Niort, Deux-Sevres, France, assignor to Usines de Melle, Melle, France, a corporation of France

Application February 19, 1936, Serial No. 64,786
In France February 27, 1935
12 Claims. (Cl. 260—495)



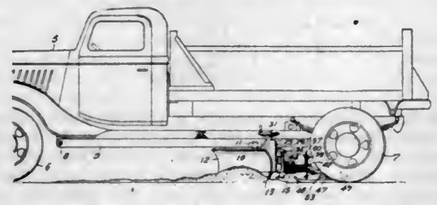
1. Process for the conversion of an aliphatic primary alcohol into an ester containing double

the number of carbon atoms, comprising essentially passing the alcohol to be converted, in a practically anhydrous condition, over a dehydrogenation catalyst maintained at a temperature between 200° and 260° C., removing substantially all the ester formed and a part of the aldehyde and the unconverted alcohol by condensation from the gas-vapour product resulting from the reaction, and returning the gaseous remainder rich in hydrogen continuously to the catalyzing zone to join with further fresh alcohol while continuously bleeding off the excess of hydrogen formed in the reaction, and regulating the rate of admission of the returned gases so as to be great relatively to the fresh alcohol.

2,136,614
LEVELIZER

Bertron G. Harley, Saco, Maine, assignor to St. Paul Hydraulic Hoist Company, Minneapolis, Minn., a corporation of Minnesota

Application March 10, 1938, Serial No. 195,029
13 Claims. (Cl. 37—143)

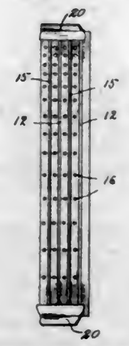


1. A levelizer for road dressing machines comprising a bracket adapted to be attached to a road dressing implement, a block slidably mounted in said bracket for vertical movement therein, means for imparting vertical sliding movement to said block, a contact shoe supporting structure pivoted to said block, and a road contact shoe carried by said supporting structure.

2,136,615
ICE RACK

Martin Hokanson, Duluth, Minn., assignor to Eidco, Inc., Duluth, Minn., a corporation of Minnesota

Application March 5, 1936, Serial No. 68,327
10 Claims. (Cl. 62—46)

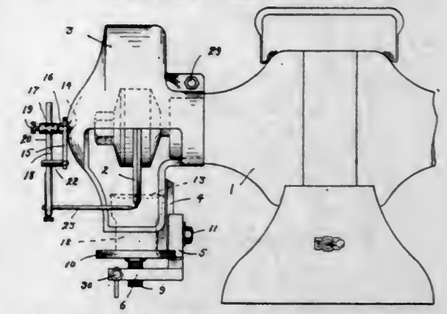


4. A perforated ice rack for refrigerators characterized by the area of said perforations per unit area of rack increasing progressively towards the back of the rack whereby to accomplish uniform meltage throughout the entire rack engaging area of the refrigerant.

2,136,616
GRINDER WORKSTAND

Martin Hokanson, Duluth, Minn., assignor to Eidco, Inc., Duluth, Minn., a corporation of Minnesota

Application October 26, 1936, Serial No. 107,564
3 Claims. (Cl. 51—239)

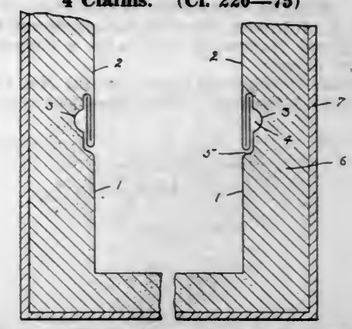


1. The combination with a grinding wheel having a guard housing partially surrounding the same, of a vertically adjustable work supporting table adjustably mounted upon said housing, and a gauge for predetermining the angle at which work supported upon said table and moved horizontally thereupon toward said wheel will be ground.

2,136,617
JOINT

Martin Hokanson, Duluth, Minn., assignor to Eidco, Inc., Duluth, Minn., a corporation of Minnesota

Application January 13, 1937, Serial No. 120,349
4 Claims. (Cl. 220—75)



1. In metallic refrigerator wall construction comprising spaced inner and outer walls having insulating material therebetween, and wherein the inner wall is subject to moisture, a horizontal folded joint in said inner walls wherein a relatively large longitudinal chamber is formed to break otherwise possible capillary action of moisture through said joint to said insulating material.

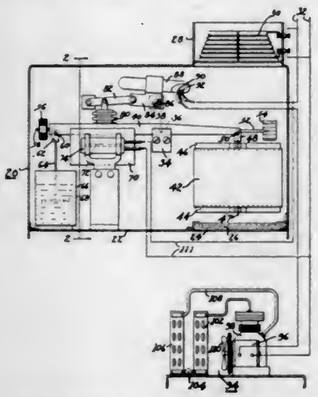
2,136,618
REFRIGERATING APPARATUS

Harry B. Hull, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application February 25, 1935, Serial No. 7,975
5 Claims. (Cl. 236—44)

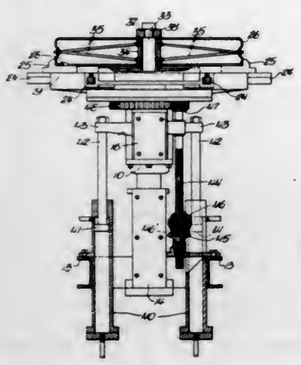
4. A control means including a temperature responsive mechanical power means providing mechanical power solely by changes in temperature, switch means having circuit opening and

circuit closing positions, said switch means being moved from one of said positions to another directly by said temperature responsive power means, means for supplying radiant heat to said temperature responsive mechanical power means, a rockable member, a shield carried by said rockable member for intercepting at a predetermined



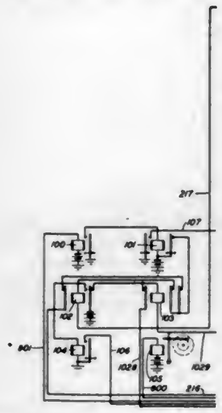
position the passage of radiant heat from said radiant heat supply means to said temperature responsive switch means, and humidity responsive means for changing the center of gravity of said rockable member at a predetermined condition to move the shield into and out of the path of the radiant heat for controlling the switch means.

2,136,619
WHEEL-MAKING MACHINE
Gustave A. Johnson, Berwyn, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application October 28, 1936, Serial No. 107,999
5 Claims. (Cl. 219—3)



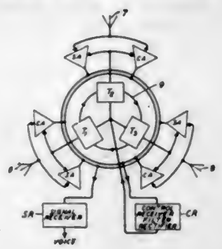
1. In a wheel making machine and in combination therewith, a wheel supporting and indexing unit comprising a supporting structure, a hub centering shaft mounted on said structure, means for exerting downward pressure on the hub, means forming an abutment whereby the hub may be rigidly held in position, means for clamping a rim to the supporting structure concentric with respect to the hub, means for lifting and lowering the supporting structure, and means for rotating the supporting structure to bring successive spokes into operating position.

2,136,620
TELEPHONE SYSTEM
Gerald V. King, Chatham, N. J., assignor to Bell Telephone Laboratories Incorporated, New York, N. Y., a corporation of New York
Application June 21, 1935, Serial No. 27,675
9 Claims. (Cl. 179—18)



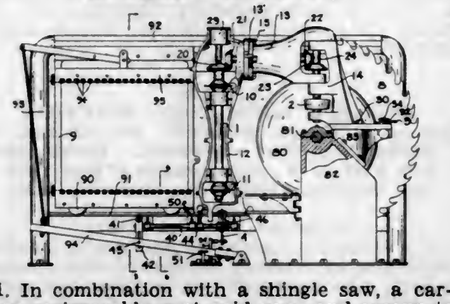
1. In a telephone system, a plurality of groups of local subscribers' lines arranged to be interconnected, link circuits for extending connections between said lines and a single cross-bar switch for each of said groups of lines for effecting all of said connections, each of said switches having a plurality of bars temporarily operable to prepare a connection and other bars operable to maintain the connection after the release of the first mentioned bars.

2,136,621
ANTENNA SELECTOR SYSTEM
Archie P. King, Red Bank, and Russell S. Ohl, Little Silver, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 20, 1936, Serial No. 86,226
6 Claims. (Cl. 250—20)



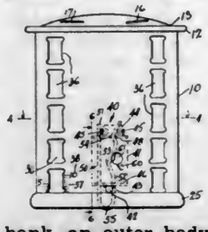
1. A radio receiving system comprising in combination, a plurality of geographically spaced antennas, a pair of amplifiers connected to each antenna for receiving signals therefrom, switching means for automatically rendering each pair of amplifiers operative and inoperative seriatim, means connected to one amplifier for impressing a potential on the switching means to hold operative both amplifiers in response to an antenna supplying signals of a predetermined strength, and a receiver connected to the other amplifier to utilize the signals incoming on the antenna serving to hold the pair of amplifiers operative.

2,136,622
SHINGLE BUTT TRIMMING MECHANISM
Matt William Koski, Raymond, Wash.
Application August 5, 1935, Serial No. 34,703
Renewed September 12, 1938
32 Claims. (Cl. 143—12)



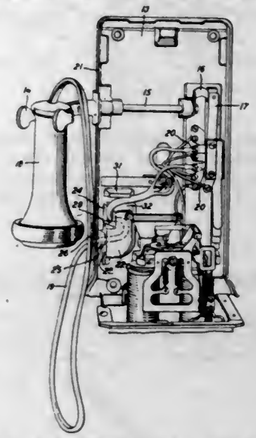
1. In combination with a shingle saw, a carriage reciprocable past said saw, and means to hold a block upon said carriage for severance therefrom of a shingle by the saw, two means normally disposed to engage the shingle to be sawed, prior to its engagement with the saw, at different points spaced longitudinally of the shingle, a common support for said two means, means operable at will to retract the support to remove the two means from shingle-engaging position, means automatically operable to hold the support in such retracted position, and means automatically operable in accordance with the movement of the carriage to release the holding means, and thus to permit return of the support and the two first means to shingle-engaging position.

2,136,623
COIN BANK
Louis Kriegsfeld, Jersey City, N. J., assignor to Jerome B. Behrend and Claude C. Coller, composing the firm Behrend & Rothschild, New York, N. Y.
Application March 12, 1938, Serial No. 195,595
1 Claim. (Cl. 232—4)



In a coin bank, an outer body forming shell, a top wall on the said shell, the said wall having a plurality of elongated radially spaced apart coin admitting slots, an inner bottom wall secured to the said shell, the said bottom wall having radially spaced apart circular openings in line with the coin admitting slots, a tubular coin chamber-forming segmental shell supported between each coin slot and bottom wall opening, an outer bottom wall rotatably mounted on the body forming shell, the said outer bottom wall having a slot and a circular opening the said opening being adapted to be successively brought into alinement with each of the inner bottom wall openings, and a key operated lock secured to the body forming shell and located on the interior thereof, including a longitudinally movable bolt extending through the outer bottom wall slot when in locked position to prevent rotation of the said outer bottom wall.

2,136,624
COIN COLLECTOR BASE
John J. Kuhn, Elizabeth, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 11, 1936, Serial No. 90,075
4 Claims. (Cl. 179—179)



1. A back plate for a coin collector housing having an inner face within said housing and an outer face exterior to said housing, a flange on one edge of said plate, said plate having a raised section forming a cavity in the outer face of the plate adjacent said flange, said flange having a cord entrance hole leading through said flange into said cavity, said raised section having a cord exit hole leading from said cavity to the inner face of said plate, said exit hole as viewed from said cavity being directed substantially towards the plane of said flange.

2,136,625
CONTAINER FOR WATCHES AND THE LIKE
Joseph Lasko, Bronx, N. Y.
Application March 12, 1937, Serial No. 130,451
3 Claims. (Cl. 206—37)

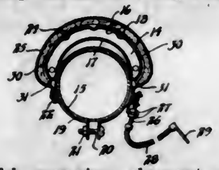


1. A container for watches, jewelry and other objects, comprising a case, a holder for objects and a pair of links, one end of each of said links being pivoted to said case near one end of said case and the other ends of said links being pivoted at the central line of said holder, the pivot points on the respective links being far enough apart to permit said holder to be turned 180° on its pivots.

2,136,626
AUTOMOBILE HEATER BOOSTER
Harry R. E. Lind, Minneapolis, Minn.
Application July 23, 1937, Serial No. 155,245
2 Claims. (Cl. 257—241)

1. In a hot water heater adapted for use in connection with a muffler of an automobile and the like, an arcuate water heating chamber shaped to lie flush around a portion of said muffler or similar heated object, said heating chamber having relatively closely spaced inner and outer

walls, a rigidly positioned muffler engaging element, one longitudinal edge of said heating chamber being yieldably secured to said muffler engaging element and the other longitudinal edge of said heating chamber being adjustably con-



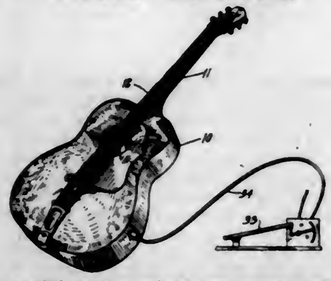
nected to said engaging element, whereby said heating chamber can be swung toward or away from said muffler to vary the amount of heat transferred from the muffler to the heating chamber.

2,136,627

TREMULANT FOR STRINGED MUSICAL INSTRUMENTS

Melvin L. Lohman, Greeley, Colo.

Application June 28, 1937, Serial No. 150,702
5 Claims. (Cl. 84—313)



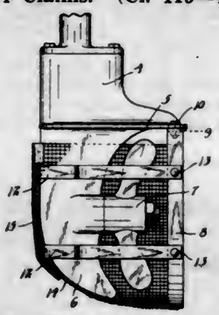
1. In a stringed musical instrument of the type having strings stretched over a bridge member, means for producing a tremolo effect in the tones of said strings comprising: means for supporting said bridge so that it may move transversely; and means for imparting a reciprocatory movement to said bridge in a plane parallel to the plane of said strings and in a direction transverse to the normal axis of said strings.

2,136,628

PROPELLER AND RUDDER GUARD FOR OUTBOARD MOTORS

Alvin C. Lundell, Minneapolis, Minn.

Application August 2, 1937, Serial No. 156,972
4 Claims. (Cl. 115—42)



1. In a propeller guard for outboard motors and the like, a frame, an open work cover over the forward and side portions of said frame, and lying around the front and sides of the propeller of said motor, the rear portion of said frame and cover being entirely unobstructed rearwardly from said propeller, the sides of said guard converging forwardly relatively abruptly to a point near the forward edge of said guard, and then converging forwardly more gradually to provide a relatively sharp pocket for receiving and engaging the lower forward portion of said motor assembly.

2,136,629

ZINC ELECTROPLATING SOLUTION

Sumner R. Mason, Wilmette, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application June 27, 1936, Serial No. 87,692
5 Claims. (Cl. 204—18)

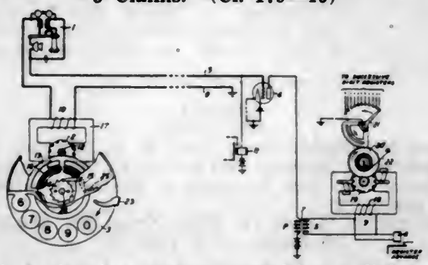
1. A standard electrolytic zinc plating solution comprising an aqueous solution of zinc cyanide, sodium cyanide, sodium hydroxide, and small quantities of gum arabic, sodium fluoride and a quantity of lead salt sufficient to provide approximately .05 gram of lead per gallon of solution.

2,136,630

TELEPHONE SYSTEM

Robert F. Massonneau, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 13, 1935, Serial No. 35,909
5 Claims. (Cl. 179—16)



1. A signaling system comprising a dial movable from its normal position in accordance with different digital values, means for returning said dial to normal, an alternator and means responsive to the movement of said dial for controlling said alternator to produce a number of alternating current sine waves proportional to the movement of said dial.

2,136,631

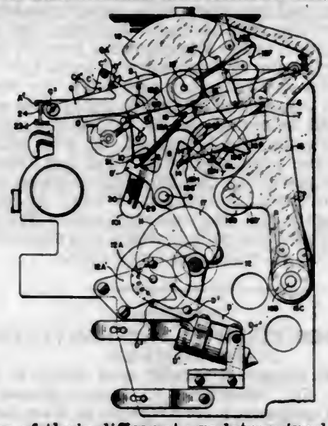
CONTROL APPARATUS

Coleman B. Moore, Carroll Park, and Anker E. Krogh, Erdenheim, Pa., assignors to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania

Application October 2, 1935, Serial No. 43,150
25 Claims. (Cl. 236—70)

1. The combination with a potentiometric control instrument comprising a galvanometer deflecting in accordance with the variations in a controlled quantity, a member adjusted into one or another of a definite plurality of different predetermined positions in selective accordance with the galvanometer deflection into predetermined portions of its deflection range, an element adjusted into one or another of a definite plurality of different predetermined positions in selective accordance with predetermined different magnitudes of said quantity, of control instrumentalities adjustable to five different predetermined

positions, and means actuated by the adjustments of said member and element into particu-



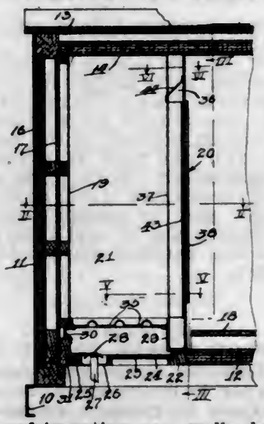
lar ones of their different predetermined positions for adjusting said control instrumentalities to a particular one or another of said five positions.

2,136,632

ICE COMPARTMENT FOR REFRIGERATOR CARS

Charles L. Moorman, Chicago, Ill.

Application October 21, 1935, Serial No. 45,847
5 Claims. (Cl. 62—19)



1. In a refrigerating car, walls defining a refrigerant compartment, one of said walls being of material of high heat conductivity relatively to the other walls, and said wall having a tortuous configuration to present added surface contact to circulating air, a bulkhead disposed adjacent said wall to define an air passage therebetween, said bulkhead being shorter than said wall, and a sloping baffle disposed above said bulkhead to direct circulating air into said air passage.

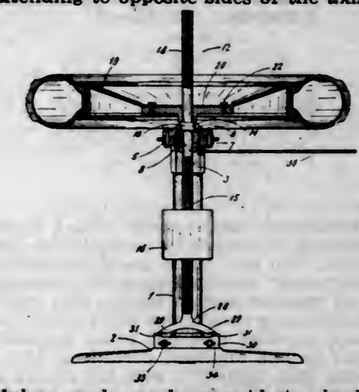
2,136,633

BALANCE TESTER

James W. Morse, Lansing, Mich., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware

Application May 14, 1934, Serial No. 725,422
3 Claims. (Cl. 73—51)

1. In a balance testing device, a standard, a pendulum, means journalling said pendulum on said standard for titling movement about a horizontal axis, a forked pointer at the lower end of said pendulum with the respective forks thereof extending to opposite sides of the axis of said



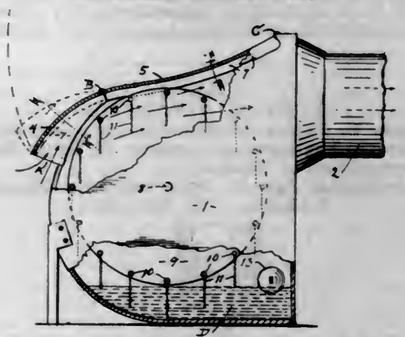
pendulum, and a scale on said standard for cooperation with each of said forks, said scales being spaced apart whereby at least one scale is visible from any position about said device.

2,136,634

AIR CONDITIONER

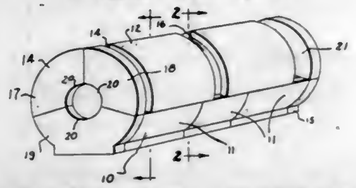
James E. Peoples, Alva, Okla.

Application June 21, 1937, Serial No. 149,397
1 Claim. (Cl. 261—92)



In an air conditioner, a housing adapted to contain liquid therein, a lid engaging the upper extremity of the housing, a damper hingedly carried by the lid and adapted to move to and from an opening in the housing as controlling means for a current of air drawn through the housing, a fan to create a current by suction through the housing and outward therefrom, a rotor trunnioned in the housing, the rotor comprising a shaft, a disc secured a spaced distance from each end of the shaft, each being in close proximity to its respective side wall of the housing, a plurality of rods connecting the discs, and being spaced therearound in close proximity to the periphery of the discs, a woven wire flap for each rod pendently carried thereby, the flaps being rectangular in form and of length to extend from disc to disc and free to turn on the rods maintaining a vertical position while the rotor turns said rotor being so positioned in said housing that the upper flaps are situated in and transverse to said air current drawn through said damper, while the lower flaps are submerged in the liquid, whereby the rotor is turned by said air current and the flaps successively moistened and presented to said air current.

2,136,635
COMBUSTION CHAMBER
Bernard A. Peterson, Detroit, Mich.
Application January 22, 1937, Serial No. 121,797
4 Claims. (Cl. 158—1)



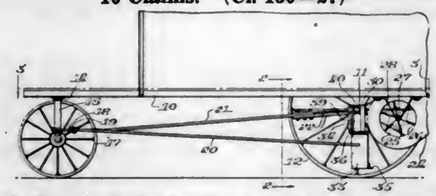
1. A chambered hearth comprising a horizontally disposed substantially cylindrical hollow shell divided into and made up of a plurality of arcuate vertically arranged segments disposed in end to end relation and in side to side relation, the segments being contiguous and resting loosely against one another and not being fastened or interlocked to one another, certain of the segments being base segments with the others resting thereon, and discs separate from and independent of the shell and disposed in side to side relation to end ones of the segments and closing the shell at its ends, the discs comprising a plurality of sectors vertically disposed and contiguous and resting loosely against one another and not fastened or interlocked to one another, one of the discs having an aperture therein to receive a jet or gun type burner, and the other being solid to form a target for the flame from said burner, certain of said segments being spaced from each other to provide outlet openings for the chamber and longitudinally movable to vary such openings.

2,136,636
PUMPING APPARATUS
Lutwin C. Rotter, Maplewood, Mo., assignor to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri
Application July 19, 1937, Serial No. 154,408
7 Claims. (Cl. 103—195)



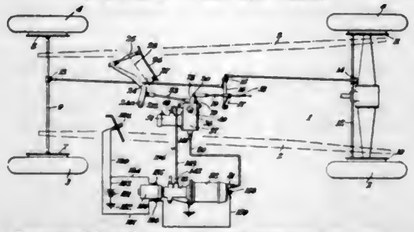
1. A pump comprising a pump cylinder, pumping means therein, a priming cylinder, a check valve between said cylinders opening from the latter to the former, an inlet valve opening into said priming cylinder, a piston in the priming cylinder and located between said check and said inlet valves, valve means associated with said piston whereby upon movement in one direction a charge is transferred from one side of the piston to the other, said charge being forced through said check valve upon movement in the other direction, the volumetric displacement between the piston and the inlet valve being greater than the volumetric displacement between the piston and said check valve, the chamber formed by said priming cylinder and piston and inlet valve having a relatively restricting and fixed-size opening therefrom permitting return to the supply of such excess fluid as cannot enter said pump cylinder, the volumetric displacement of the pumping means in the pump cylinder being less than that above the piston in the priming cylinder during piston movement toward said inlet valve, said opening being of a size to permit ready flow to the source of relatively mobile fluids but substantially to resist flow of relatively thick fluids.

2,136,637
BORDER SCRAPER FOR HARVESTER-THRESHERS
Clemma R. Raney, Riverside, and Albert B. Welty, Moline, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application November 13, 1936, Serial No. 110,702
10 Claims. (Cl. 130—27)



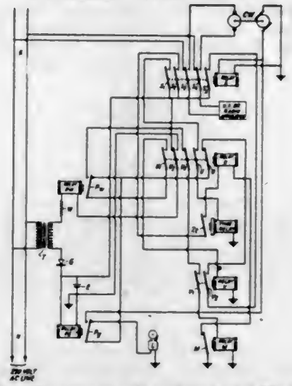
8. In a vehicle having a body suported on a transverse axle and a pair of wheels, said body rearwardly of the axle carrying a comparatively fragile depending part, having its bottom disposed a substantial distance below the axle and spaced above the ground to be susceptible of damage by uneven portions of the ground, the combination with said body of a substantially vertical, comparatively sturdy blade suspended below the body in advance of said depending part to protect said part by engaging said uneven ground, the bottom edge of said blade being disposed at a height between the ground and the depending part.

2,136,638
ELECTROFLOW POWER SUPPLY SYSTEM
Edward A. Rockwell, Forest Hills, Long Island, N. Y., assignor, by mesne assignments, to General Auto Parts Corporation, a corporation of Delaware
Application June 27, 1935, Serial No. 28,699
6 Claims. (Cl. 188—152)



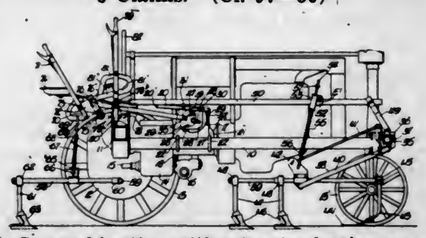
1. In combination, a liquid power booster comprising a reciprocable power applying element, a hydraulic cylinder for applying power in alignment with the reciprocation thereof, having a piston adapted to be controlled by the movement of the reciprocable power applying element, and a leverage controlling mechanism located between the booster and the hydraulic cylinder, resting freely against the power applying element and the hydraulic piston.

2,136,639
CIRCUIT ARRANGEMENT FOR CARRIER CURRENT TELEPHONE SUPPLY SOURCES
Klaus Peter Schweimer, Berlin-Grunewald, Germany, assignor to Allgemeine Elektricitats Gesellschaft, Berlin, Germany, a corporation of Germany
Application November 9, 1936, Serial No. 109,872
In Germany November 25, 1935
7 Claims. (Cl. 171—97)



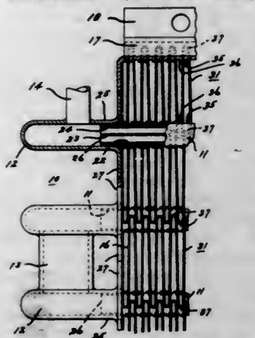
1. A circuit arrangement of auxiliary supply sources for wired radio apparatus normally connected to a main supply line, comprising an auxiliary source of voltage, a main line relay which serves to supervise and test the line voltage, means for causing said main line relay to respond when the line voltage has dropped below, or has exceeded, a certain level, said means comprising a time delay mechanism cooperating with a plurality of contacts to repeat the test at definite time intervals, and provides re-connection to the supply-line voltage which will be effected only when the voltage-supervisory relay has stayed a certain length of time in a state corresponding to the normal main line voltage.

2,136,640
ADJUSTING MECHANISM FOR TRACTOR IMPLEMENTS
Hiram P. Smith, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application April 3, 1936, Serial No. 72,624
6 Claims. (Cl. 97—50)



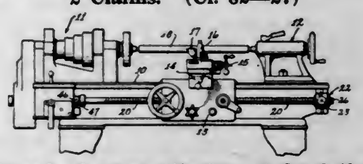
1. In combination with a tractor having a power lift pivot arm, front and rear implements mounted for movement on the tractor, quadrant and lever means for regulating the working depth of the front implement, quadrant and lever means for regulating the working depth of the rear implement, both of said quadrant and lever means being pivotally connected to the power lift arm at points removed thereon from its point of pivot on the tractor, and means for further supporting each of the quadrant and lever means and for connecting same to their respective implements; whereby substantially an equal and parallel motion horizontally of the tractor will be given to both quadrants and lever means during the operation of the power lift to move the implements.

2,136,641
REFRIGERATING APPARATUS
Harry F. Smith, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application December 21, 1936, Serial No. 116,944
2 Claims. (Cl. 257—263)



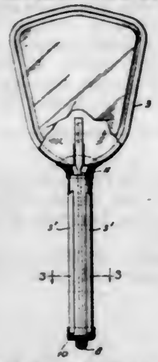
2. A heat exchanger including a closed fluid conveying conduit having a pair of elements associated therewith, each of said elements comprising a strip of metal folded back and forth to provide a plurality of fins extending laterally from said conduit and disposed in intimate thermal contact therewith, each of said elements being apertured inwardly of an edge portion thereof at the point of said folds to position an end portion of said fins in straddling relation to said conduit, and the straddling end portions of said fins of one element being telescoped a substantial distance into the straddling end portions of the other of said elements to provide an extended contacting surface between the fins along a side of said conduit.

2,136,642
LEAD SCREW ADJUSTING DEVICE
Asa H. Starkweather, Los Angeles, Calif.
Application July 27, 1937, Serial No. 155,932
2 Claims. (Cl. 82—27)



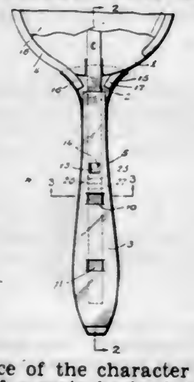
1. In a lead screw attachment for lathes and the like, an interiorly threaded bracket; a threaded sleeve in said bracket; an inwardly extending circular flange on said sleeve; a nut on the lead screw on each side of the flange in engagement therewith; means for securing said nuts to the lead screw; and means for rotating said sleeve, said sleeve rotating means comprising a post on said sleeve extending through an opening in said bracket.

2,136,643
FRAME AND HANDLE ASSEMBLY
William Steinen, South Orange, N. J.
Application November 14, 1936, Serial No. 110,831
7 Claims. (Cl. 88—102)



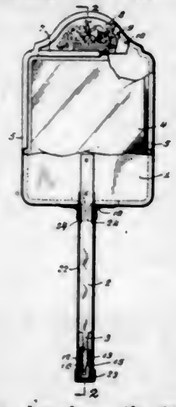
1. In a device of the character described, the combination of a main back, a rod extending therefrom, a channel rim circumscribing the periphery of the main back and terminating in parallel portions adjacent the rod, a throat member surrounding the channel rim at the base of the main back, reinforcing means positioned between the parallel portions of the channel rim and extended into the throat member so as to form a handle, and tightening means associated with the rod and the channel rim, said throat member taking the form of an encircling ferrule and having a top flaring portion closely conforming to the converging portions of said channel rim adjacent said throat and having a lower restricted portion closely contacting with and laterally contracting the upper adjacent sections of said channel portions, serving as additional tightening means to draw said channel rim tightly upon said back and to draw said adjacent sections tightly together at said throat upon the outside edges of said reinforcing means.

2,136,644
DRESSER SET UTENSIL
William Steinen, South Orange, N. J.
Application December 2, 1936, Serial No. 113,807
11 Claims. (Cl. 88—102)



1. In a device of the character described, the combination of a main back plate to support a mirror, an extension for said back plate, a rim circumscribing said back plate for holding said back plate and mirror together, said rim having terminal portions at the junction of said back plate and extension, a hollow handle member having a reinforcing plate therein extending along the longitudinal length of the handle and having an upwardly flaring throat portion to receive the terminal portions of the rim, and snap locking means between said reinforcing plate and the extension for effectively holding the handle relative to the main plate of the mirror construction after the extension is received by the guide means, said terminal portions and said flaring throat portion having downwardly and inwardly inclined closely conforming channel sections of considerable length to form inclined sliding wedges enabling said rim to be tightened around the peripheries of said mirror and back plate.

2,136,645
HANDLE FOR DRESSER SET UTENSILS
William Steinen, South Orange, N. J.
Application December 5, 1936, Serial No. 114,303
5 Claims. (Cl. 88—102)



1. In a mirror, brush or the like, a front element, a back plate, a channel rim embracing the peripheries of said element and said plate, having parallel end extensions at the base thereof, an extension rod fixed at one end to said back plate, locking teeth provided at the other end of said extension rod, a tubular handle member positioned over said extension rod, a flaring throat element embracing the upper end of the handle member, the base of said rim and said end extensions, and a locking member which engages the bottom of the handle member and the locking teeth to positively hold the handle against displacement on the rod, said rod extending substantially the full length and width of said handle member and said end extensions fitting into the upper end of said handle member.

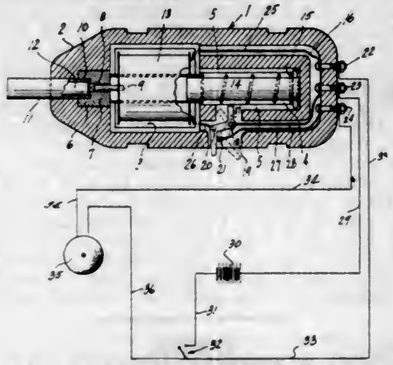
2,136,646
FRAME AND HANDLE CONSTRUCTION FOR MIRRORS, BRUSHES, AND SIMILAR UTENSILS
William Steinen, South Orange, N. J.
Application December 14, 1937, Serial No. 179,643
4 Claims. (Cl. 88—102)

1. A frame and handle assembly comprising two integral side channel members, with the open channels facing each other, said channels being spaced to provide a widened frame receiving a face element and a back plate of the same contour as the face element, the peripheries of which are received in, and held by the sides of said channel members and said channels converging together to form a throat and then continuing side by side to form a handle, said handle including an extension of said back plate, said channel members being connected at the top of the frame and at the end of the handle, and means independent of said back plate extension to draw said side channel members tightly together upon said face element and said back plate, consisting of teeth upon channel members



engaging said back plate extension, said teeth being integral and extending inwardly from the edges of said channel members at spaced intervals along the handle and said teeth being bent so as to extend transversely into said back plate extension.

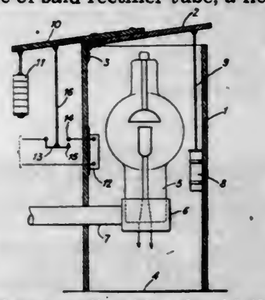
2,136,647
TEAR GAS DEVICE
Henry I. Stevenson, Portland, Oreg.
Application February 17, 1936, Serial No. 64,222
2 Claims. (Cl. 42—1)



1. A burglar alarm comprising a body member, a single tear-gas cartridge removably secured in one end of the body member, electrically actuated means for firing the cartridge, a double-throw switch disposed within the body member and within an electrical circuit embracing said cartridge firing means, an alarm circuit connected with said switch, an alarm embraced within said alarm circuit and adapted to be actuated by said double-throw switch simultaneously with the firing of the cartridge.

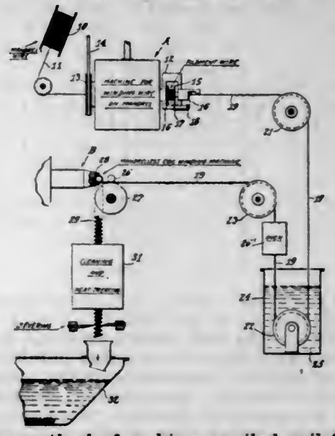
2,136,648
CONTAINER FOR RECTIFIER TUBES
George Lindley Usselman, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 29, 1935, Serial No. 29,021
6 Claims. (Cl. 236—1)

1. A heat controlled container for enclosing a rectifier tube comprising a box-like heat insulating container, a hinged lid for said container, a rectifier tube within said container, a mounting member for said rectifier located within said container and secured to the side of said container, a thermostat located on the side of said container near the base of said rectifier tube, a heating unit



located on the opposite side of said thermostat, means for regulating the heat within said container by moving an external control switch and said lid, and a link member connecting said lid, switch and thermostat together, said link being actuated by said thermostat to control the temperature of said heating unit.

2,136,649
COILED COIL AND THE METHOD AND APPARATUS FOR MAKING
Sten Wadsten, Bloomfield, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 17, 1936, Serial No. 69,360
16 Claims. (Cl. 153—64)



1. The method of making a coiled-coil filament from a wire, which comprises first winding the wire about a mandrel to produce a mandrel-wound primary coil, depositing solid material between the turns of said wire, and moving said primary coil into a cavity die to produce a secondary coil.

2,136,650
METALLIZED ACID POLYAZO DYES
Moses Leverock Crossley, Plainfield, and Lincoln Maurice Shafer, Highland Park, N. J., assignors to Calco Chemical Company, Inc., Bound Brook, N. J., a corporation of Delaware
No Drawing. Application June 17, 1933, Serial No. 676,318
6 Claims. (Cl. 260—145)

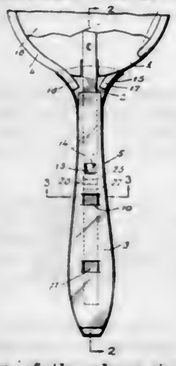
6. As new products, water-soluble complex

2,136,643
FRAME AND HANDLE ASSEMBLY
William Steinen, South Orange, N. J.
Application November 14, 1936, Serial No. 110,831
7 Claims. (Cl. 88—102)



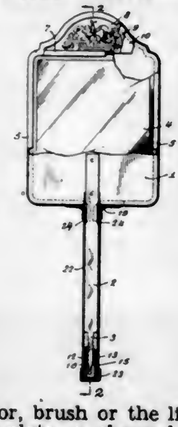
1. In a device of the character described, the combination of a main back, a rod extending therefrom, a channel rim circumscribing the periphery of the main back and terminating in parallel portions adjacent the rod, a throat member surrounding the channel rim at the base of the main back, reinforcing means positioned between the parallel portions of the channel rim and extended into the throat member so as to form a handle, and tightening means associated with the rod and the channel rim, said throat member taking the form of an encircling ferrule and having a top flaring portion closely conforming to the converging portions of said channel rim adjacent said throat and having a lower restricted portion closely contacting with and laterally contracting the upper adjacent sections of said channel portions, serving as additional tightening means to draw said channel rim tightly upon said back and to draw said adjacent sections tightly together at said throat upon the outside edges of said reinforcing means.

2,136,644
DRESSER SET UTENSIL
William Steinen, South Orange, N. J.
Application December 2, 1936, Serial No. 113,807
11 Claims. (Cl. 88—102)



1. In a device of the character described, the combination of a main back plate to support a mirror, an extension for said back plate, a rim circumscribing said back plate for holding said back plate and mirror together, said rim having terminal portions at the junction of said back plate and extension, a hollow handle member having a reinforcing plate therein extending along the longitudinal length of the handle and having an upwardly flaring throat portion to receive the terminal portions of the rim, and snap locking means between said reinforcing plate and the extension for effectively holding the handle relative to the main plate of the mirror construction after the extension is received by the guide means, said terminal portions and said flaring throat portion having downwardly and inwardly inclined closely conforming channel sections of considerable length to form inclined sliding wedges enabling said rim to be tightened around the peripheries of said mirror and back plate.

2,136,645
HANDLE FOR DRESSER SET UTENSILS
William Steinen, South Orange, N. J.
Application December 5, 1936, Serial No. 114,303
5 Claims. (Cl. 88—102)



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2,136,646
FRAME AND HANDLE CONSTRUCTION FOR MIRRORS, BRUSHES, AND SIMILAR UTENSILS
William Steinen, South Orange, N. J.
Application December 14, 1937, Serial No. 179,643
4 Claims. (Cl. 88—102)

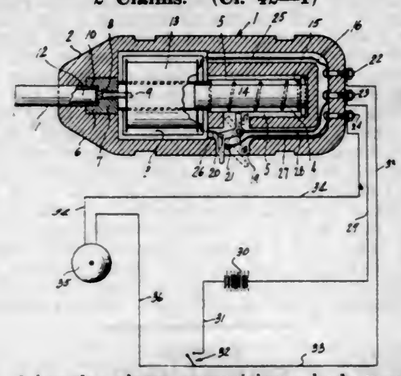
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the frame and at the end of the handle, and means independent of said back plate extension to draw said side channel members tightly together upon said face element and said back plate, consisting of teeth upon channel members



engaging said back plate extension, said teeth being integral and extending inwardly from the edges of said channel members at spaced intervals along the handle and said teeth being bent so as to extend transversely into said back plate extension.

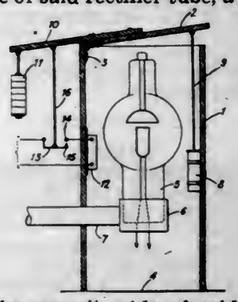
2,136,647
TEAR GAS DEVICE
Henry I. Stevenson, Portland, Oreg.
Application February 17, 1936, Serial No. 64,222
2 Claims. (Cl. 42—1)



1. A burglar alarm comprising a body member, a single tear-gas cartridge removably secured in one end of the body member, electrically actuated means for firing the cartridge, a double-throw switch disposed within the body member and within an electrical circuit embracing said cartridge firing means, an alarm circuit connected with said switch, an alarm embraced within said alarm circuit and adapted to be actuated by said double-throw switch simultaneously with the firing of the cartridge.

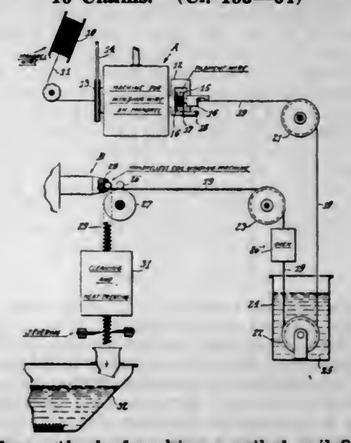
2,136,648
CONTAINER FOR RECTIFIER TUBES
George Lindley Usselman, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 29, 1935, Serial No. 29,021
6 Claims. (Cl. 236—1)

1. A heat controlled container for enclosing a rectifier tube comprising a box-like heat insulating container, a hinged lid for said container, a rectifier tube within said container, a mounting member for said rectifier located within said container and secured to the side of said container, a thermostat located on the side of said container near the base of said rectifier tube, a heating unit



located on the opposite side of said thermostat, means for regulating the heat within said container by moving an external control switch and said lid, and a link member connecting said lid, switch and thermostat together, said link being actuated by said thermostat to control the temperature of said heating unit.

2,136,649
COILED COIL AND THE METHOD AND APPARATUS FOR MAKING
Sten Wadsten, Bloomfield, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 17, 1936, Serial No. 69,360
16 Claims. (Cl. 153—64)



1. The method of making a coiled-coil filament from a wire, which comprises first winding the wire about a mandrel to produce a mandrel-wound primary coil, depositing solid material between the turns of said wire, and moving said primary coil into a cavity die to produce a secondary coil.

2,136,650
METALLIZED ACID POLYAZO DYES
Moses Leverock Crossley, Plainfield, and Lincoln Maurice Shafer, Highland Park, N. J., assignors to Calco Chemical Company, Inc., Bound Brook, N. J., a corporation of Delaware
No Drawing. Application June 17, 1933, Serial No. 676,318
6 Claims. (Cl. 260—145)

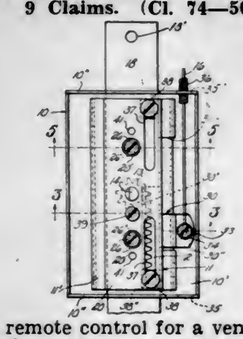
6. As new products, water-soluble complex

metallized compounds of poly azo dyes containing an aryl middle component included in the group consisting of single ring phenols having two phenolic hydroxyls and two ring phenols having two phenolic hydroxyls said component being linked to aryl end components by azo groups, at least one of the end components having an hydroxy group ortho to the azo group linking the said end component to the middle component, and at least one end component containing at least one nitro group.

2,136,651
CHOCOLATE MILK POWDER
Ernest D. Fear, Kansas City, Mo., assignor to DeRaef Corporation, Kansas City, Mo., a corporation of Missouri
No Drawing. Application April 2, 1937, Serial No. 134,572
4 Claims. (Cl. 99—24)

1. A composition of matter including in combination an intimate mixture of finely divided milk powder, sugar, cocoa, and a small percentage of an added alkaline deflocculating agent selected from the group consisting of calcium oxide and magnesium oxide.

2,136,652
REMOTE CONTROL FOR VENTILATING DEVICES
Stanley Hart, Kensington, Conn., assignor to Tuttle & Bailey, Inc., New Britain, Conn., a corporation of Connecticut
Application May 11, 1937, Serial No. 141,954
9 Claims. (Cl. 74—501)

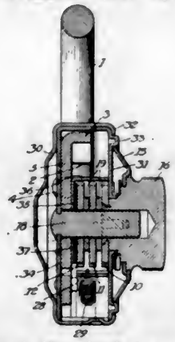


1. In a remote control for a ventilating device, a casing adapted to be secured to a wall, a frame within the casing and having an elongated aperture in one wall thereof, a member slidably mounted for longitudinal movement in the frame aperture and extending through said aperture and having a connection thereon for receiving and operating a control wire, means rotatably journalled in the frame and operatively connected to transmit longitudinal sliding movement to said member, and means to limit the extent of said sliding movement.

2,136,653
HYDROGENATION OF SOYA BEAN OIL
Harold E. Moore and Ralph B. Vogel, Columbus, Ohio, assignors to The Capital City Products Company, Columbus, Ohio, a corporation of Delaware
No Drawing. Application October 7, 1936, Serial No. 104,502
2 Claims. (Cl. 99—118)

1. The method of producing an oil for use in margarine or other butter substitutes which comprises hydrogenating a soya bean oil at temperatures ranging from 177° to 225° C. for a period of 3 hours or more in the presence of a relatively inactive catalyst so as to substantially eliminate the linolenic acid glycerides, to reduce the linoleic acid glycerides to less than 10 per cent and to develop an iso-oleic acid glyceride content of between 20 and 50 per cent with a saturated acid glyceride content not exceeding 20 per cent.

2,136,654
LOCK
Edwin W. North, Rockford, Ill., assignor to National Lock Co., Rockford, Ill., a corporation of Delaware
Application January 23, 1933, Serial No. 653,031
5 Claims. (Cl. 70—25)



1. In a permutation lock having disk tumblers and dialing means including a rotatable operating knob, a lock housing comprising a cup-shaped rear housing member and flanged front member fitted therein, a flanged liner fitted in said rear housing member, the flanges of said liner and front member abutting and the rim of the rear housing member being spun over the front member, the dialing means being arranged on the front member, an axle projecting from said liner on which said knob is rotatably mounted, one of said tumblers being attached to said knob, and the other tumblers being loosely mounted on said axle, said lock bolt being movably mounted on said liner, and a spacing element comprising a plate keyed to said axle between the liner and adjacent disk tumbler, said spacing element having flanges abutting said front housing member.

2,136,655
BEARING ALLOY
Julian G. Ryan, Wood River, Ill., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Original application October 18, 1937, Serial No. 169,645. Divided and this application March 26, 1938, Serial No. 198,271
3 Claims. (Cl. 75—151)

1. A bearing metal consisting of silver 0.5% to 1%, copper 0.25% to 0.75%, antimony 0.1% to 1% and the remainder cadmium.

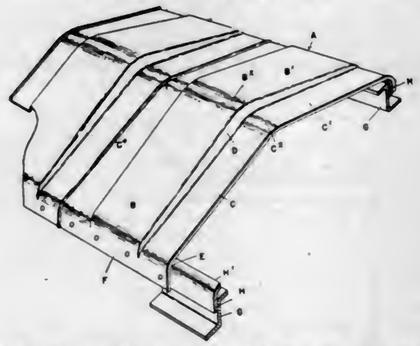
2,136,656
ADJUSTABLE TYPE CASE
Ralph I. Scheuer, Two Rivers, Wis., assignor to Hamilton Manufacturing Company, Two Rivers, Wis., a corporation of Wisconsin
Application March 2, 1936, Serial No. 66,574
12 Claims. (Cl. 276—44)

1. As an article of manufacture, a division member for an adjustable type case of the class described, embodying a folded metal sheet, and tongues at the ends thereof, the metal being



folded to provide an over-all thickness for the member of nine points.

2,136,657
CAR ROOF
William D. Thompson and David W. Hawksworth, Birmingham, Mich., assignors to Chicago-Hutchins Corporation, a corporation of Delaware
Application July 8, 1935, Serial No. 30,381
6 Claims. (Cl. 108—5.4)

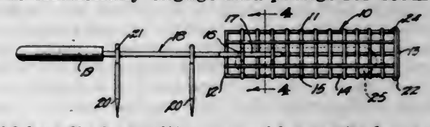


3. A car roof comprising a series of pressed sheet metal units, each comprising upper and lower plane portions extending from eaves to eaves and connected by substantially vertical portions, said upper and lower plane portions at the eaves merging into downturned portions in a single plane, the adjacent edges of said units being lap-welded to each other and reinforcing strips extending longitudinally throughout a series of units, being arranged adjacent to the inner face of said downturned portions and welded thereto to form of said series an independently transportable assembly.

4. In a car roof, comprising alternate upper and lower plane portions extending from eaves to eaves and connected by substantially vertical portions, a load supporting bracket having a portion fitting against one of said substantially vertical portions and welded thereto, and a flange extending laterally from said welded portion beneath said upper plane portion and below the plane of said lower plane portion.

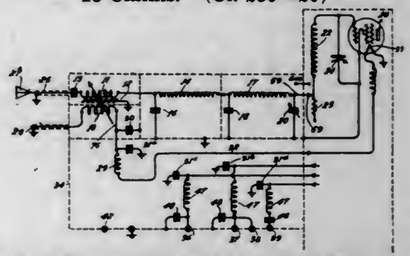
2,136,658
WIENER ROASTER AND THE LIKE
Harry Westberg, Los Angeles, and Richard F. Olson, Glendale, Calif.
Application April 15, 1937, Serial No. 137,050
4 Claims. (Cl. 53—5)

1. A roasting device comprising a receptacle formed of a plurality of circumferentially extending and longitudinally extending strands of wire connected together in spaced relation, a handle member associated with said receptacle and having a pair of prongs formed on one end thereof, certain of said strands being outwardly bowed so as to frictionally engage said prongs for securing



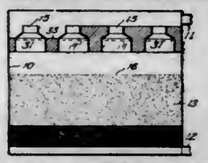
said handle in position on said receptacle, and a closure secured to the outer end of said receptacle.

2,136,659
INTERFERENCE ELIMINATING APPARATUS FOR RADIO RECEIVERS
Raymond E. Wood, Chicago, Ill., assignor to Galvin Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application November 18, 1935, Serial No. 50,344
18 Claims. (Cl. 250—20)



1. A radio receiving system including an antenna circuit, a translating portion for translating the signal energy in said antenna circuit, a power supply lead for said translating portion, means for preventing interference effects in said translating portion from sources to which said power supply lead is connected, said means including a primary inductance coil connected to said power supply lead in a circuit including said lead, said coil, and a condenser in series, said lead also being connected through a filter inductance to said translating portion, a secondary coil inductively coupled to said primary coil and connected in series in the antenna circuit in such a manner that interference entering the system through said power supply lead opposes the interference energy in said antenna circuit.

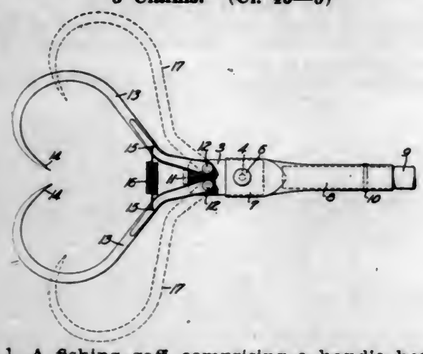
2,136,660
FILTER
Michael James Martin, Armadale, Australia
Application August 2, 1934, Serial No. 738,077
In Australia August 18, 1933
13 Claims. (Cl. 210—144)



5. In a filter having a filter chamber provided with a filter bed, a diaphragm adapted to be arranged transversely within the filter chamber above the filter bed therein, said diaphragm having one or more substantially vertical passages therein which together form a predetermined zone, of which the cross-sectional area is substantially less than the area of the filter bed and in which substantially the entire body of wash water will be automatically subjected to increased velocity, each of said passages being open at its

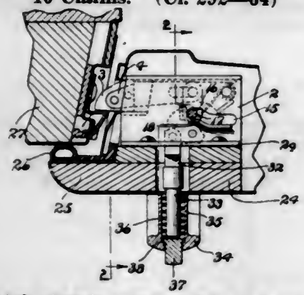
lower end to permit a portion of the filter bed to freely enter same, each of said passages being of substantially uniform cross sectional area and of sufficient length to permit of a secondary expansion of the filter bed occurring therein, and constricting means disposed at the upper end of each of said passages to cause a still further increase in the velocity of the wash water.

2,136,661
GAFF
Branson Abel, Oakland, Calif.
Application March 11, 1936, Serial No. 68,189
5 Claims. (Cl. 43—5)



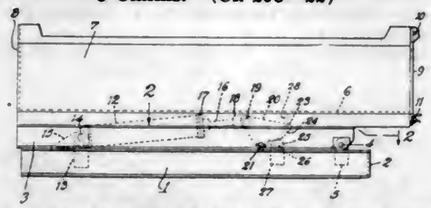
1. A fishing gaff comprising a handle having mounted for pivotal movement at one end thereof a pair of hooks, said hooks being capable of limited movement of different distances relative to each other, resilient means connecting said hooks, and means contacting each of said hooks for holding said hooks in slightly spaced relationship.

2,136,662
REFRIGERATOR LATCH
Lloyd L. Anderson, Grand Rapids, Mich., assignor to Winters & Crampton Corporation, Grandville, Mich., a corporation of Michigan
Application October 18, 1937, Serial No. 169,632
10 Claims. (Cl. 292—64)



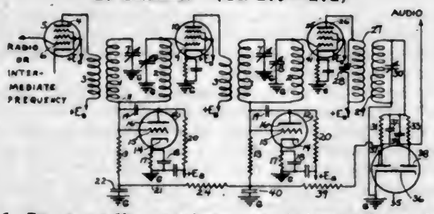
1. A latch structure comprising, a support having spaced apart connected sides, a latch bolt guide between said sides of the support and located at one end thereof, a member pivotally connected at one end to and lying between the sides of the support, said pivotal connection being adjacent the opposite end of the support, a latch bolt pivotally connected to the inner end of said member and guided in said guide, said bolt and member normally lying in substantial alinement, a second member pivotally connected to the same pivot which connects the first member and bolt and normally extending at right angles to the bolt and connected first member, the sides of said support having slots therein, a pin extending through the free end portion of said second member and seated at its ends in and adapted to traverse the slots, the material defining said slots furnishing an abutment against which the pin bears when the latch bolt and first member are in alinement with each other, thereby preventing movement of the latch bolt and connected member, and said slots being formed with angular portions adapted to be traversed by said pin whereby said latch bolt and first member may be moved, as specified.

2,136,663
TIPPING MECHANISM
William C. Anthony, Streator, Ill., assignor to Anthony Company, Streator, Ill., a corporation of Illinois
Application June 25, 1937, Serial No. 150,281
8 Claims. (Cl. 298—22)



1. In combination, a load carrying and dumping assembly including a support and a member mounted on said support to be tilted and means for tilting said member, said means comprising a generally triangular cam lever, movably mounted adjacent one corner upon said member, a power source movably mounted upon said support and means for connecting it to a free corner of said lever to tilt the lever, and a fulcrum member supported on said support, said lever having a cam face adapted during an early portion of the tilting cycle to contact said fulcrum member and during a later portion of the tilting cycle being moved out of contact with said fulcrum member.

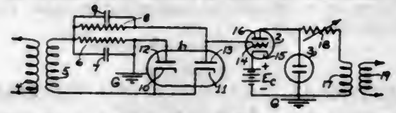
2,136,664
COUPLED CIRCUIT SYSTEM
Alfred W. Barber, Flushing, N. Y.
Application January 30, 1936, Serial No. 61,458
17 Claims. (Cl. 179—171)



1. In a radio receiver, an intermediate frequency vacuum tube amplifier including the combination of two resonant circuits between each pair of amplifier tubes and means for coupling said two resonant circuits comprising an impedance common to said two resonant circuits, said impedance comprising the input impedance of a thermionic vacuum tube.

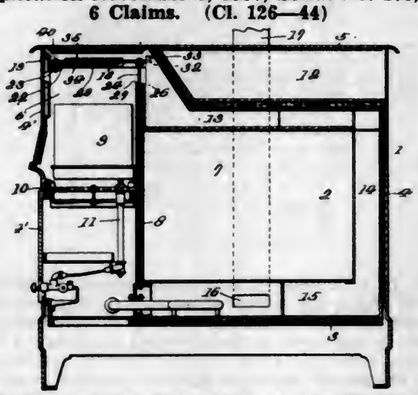
2,136,665
RADIO TUNING INDICATION
Alfred W. Barber, Flushing, N. Y.
Application February 18, 1936, Serial No. 64,517
4 Claims. (Cl. 250—40)

4. In a carrier wave receiver, the combination of a gaseous glow lamp tuning indicator, an amplifier tube including at least a grid, a plate and a cathode and two diode rectifiers, a load circuit having a time constant greater than one second in series with one of said diodes and a load circuit having a time constant of a small fraction of a second in series with the other of said diodes, a connection between one end of each of said load circuits and a common in-



put circuit, a connection between the remaining end of one of said load circuits and ground and a connection between the remaining end of the other of said load circuits and the grid of said amplifier, a connection between said plate and said lamp whereby said lamp glows when said receiver is adjusted to maximum response with a carrier wave.

2,136,666
HEAT DIFFUSER OR BAFFLE DEVICE
Jesse W. Barker, Geneva, N. Y.
Application November 8, 1937, Serial No. 173,453
6 Claims. (Cl. 126—44)

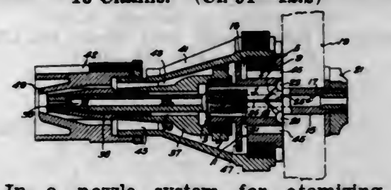


3. A range comprising a burner fire box having a burner therein, an oven having one end adjacent said fire box, communicating top, bottom and side flue passages extending around the top, bottom and one side of said oven, said top flue passage being in open communication with said fire box, and a diffusing plate pivotally and adjustably mounted above and spaced from said fire box burner, downwardly flared side portions on three sides of said plate, the remaining side thereof being open and extending into the upper end of said top flue passage, whereby the products of combustion are deflected into said top flue passage and circulated through said flue passages and around said oven.

2,136,667
BITUMINOUS EMULSIONS
Ernest Julius Bert, Melbourne, Victoria, Australia, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application September 22, 1934, Serial No. 745,107
6 Claims. (Cl. 134—1)

1. A stable oil-in-water emulsion comprising an asphaltic bitumen dispersed in the water phase, an emulsifying agent, and a non-thickening amount of molasses, said amount being less than about 1.0% by weight of the emulsion.

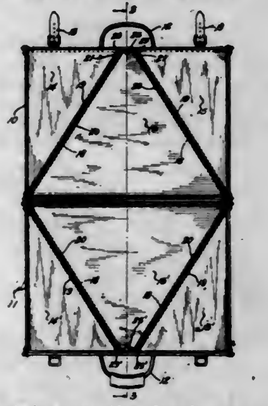
2,136,668
METAL SPRAYING APPARATUS
Richard L. Binder, Philadelphia, Pa.; Gertrude Schemm Binder, administratrix of said Richard L. Binder, deceased, assignor to Metals Coating Company of America, Philadelphia, Pa., a corporation of Delaware
Application January 17, 1936, Serial No. 59,589
13 Claims. (Cl. 91—12.2)



1. In a nozzle system for atomizing and spraying a normally solid material, a nozzle head having front and rear faces and a central bore for the reception of said material, said rear face being provided with a pair of spaced cavities of finite length spaced from each other at their ends, and said head having a pair of longitudinally extending channels therein spaced radially from said central bore and located at diametrically opposite points between the ends of said cavities, said head also having a plurality of ducts therein extending from the ends of said cavities to said channels at an angle thereto.

11. In a nozzle system for atomizing and spraying a normally solid material, a nozzle head having a bore therein for the passage of said material, at least one channel therein for the passage of a combustible gas, and at least one passage therein for the passage of an atomizing gas, said head also having means for directing a cooling medium through said bore.

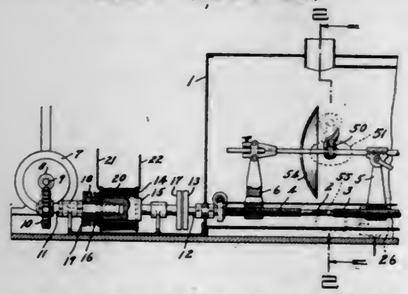
2,136,669
CONTAINER CLOSURE FLAP
Wallace H. Bracken, Rye, N. Y., assignor to Hartmann Trunk Company, Racine, Wis., a corporation of Wisconsin
Application July 8, 1936, Serial No. 89,509
2 Claims. (Cl. 190—41)



1. In a container section having an open face, the edges of the container surrounding said open face being rectilinear, three flexible, complementary flaps for closing the same, each being foldably secured along an edge to a side of the section, free edges of one of the flaps meeting a free edge of each of the other flaps, "hookless" fastener means along both pairs of meeting edges, said flaps when joined forming a quadrilateral figure with a pair of converging lines of

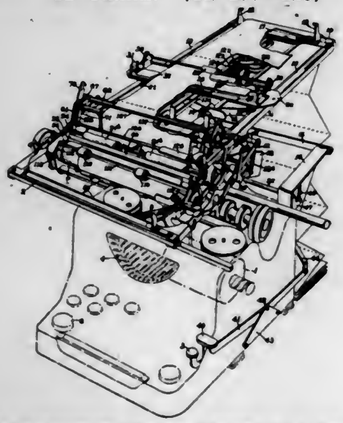
severance, slide fastener elements movable along said fastener means and lines of severance, and a lock for joining the slide fastener elements at the converged ends of said lines adjacent one side of the container section.

2,136,670
PHOTOELECTRIC CELL ARC CONTROL
Karl Brenkert, Detroit, Mich.
Application February 23, 1937, Serial No. 127,017
4 Claims. (Cl. 176—102)



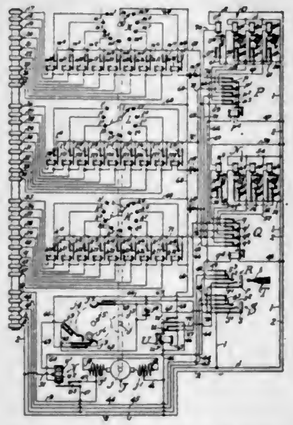
1. In an arc lamp having electrodes for forming an arc having its maximum intensity in a substantially enveloped gas ball, an optical focusing system for the arc, mechanism controlled directly by the light of the arc for feeding said electrodes, the combination of a photo-electric cell controlling the actuation of said mechanism, means for projecting the image of the arc upon said cell, and a fixed shielding screen placed adjacent to said cell in a position to intercept said image, said screen having a slot positioned to admit to the cell an intermediate vertical portion of the image of said gas ball having substantially less than the entire vertical extent of the gas ball image, whereby the operation of the cell is determined by the presence or absence of said portion of the image with respect to said slot and is unaffected by normal vertical shifting of said image.

2,136,671
BUSINESS MACHINE
Thomas M. Butler, Detroit, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan
Application June 14, 1937, Serial No. 148,084
51 Claims. (Cl. 197—126)



7. A continuous multiple billing machine of the class described having a traveling paper carriage, a platen having a printing line, feeding means for feeding a plurality of continuous webs interleaved with carbons across the printing line of said platen in one direction, means for supporting said webs and carbons to the rear of said platen, and power means governed by said carriage for automatically retracting said webs and carbons in a direction opposite to said feeding movement.

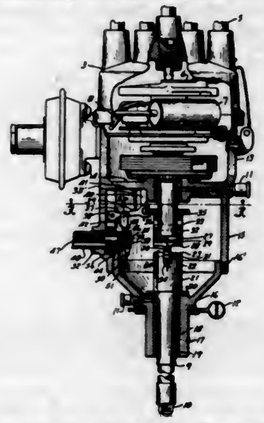
2,136,672
ELECTRICAL TRANSMITTING MECHANISM AND CIRCUIT
Chauncey L. Calkins, Chicago, Ill., assignor to Lothar A. Ederer, Chicago, Ill.
Application March 16, 1934, Serial No. 715,908
6 Claims. (Cl. 177—353)



1. In a message transmitting system, a plurality of character selectors, an electric impulse generator for each character selector adapted to generate a selective predetermined number of impulses, normally open electric circuits connecting the character selectors and the impulse generators respectively, and effective when energized to condition the impulse generators to transmit the selected characters by a number of electric impulses dependent upon the setting of the character selector, a character indicator for each character selector, each character indicator having means for causing it to indicate a different character responsive to the different numbers of impulses transmitted by its corresponding impulse generator normally open circuit connections between the respective impulse generators and character indicators, an electric motor for operating all the impulse generators in unison, means for energizing the motor and closing the circuit connections between the impulse generators and character indicators, and means responsive to operation of the motor for closing the circuit between the character selectors and impulse generators respectively.

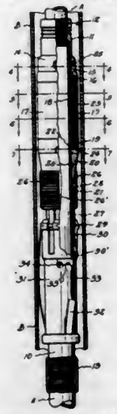
2,136,673
ANTITHEFT DEVICE
Kenneth L. Carter, Kansas City, Mo.
Application February 15, 1937, Serial No. 125,788
12 Claims. (Cl. 200—44)

1. In a device of the character described, a timing mechanism, means for actuating said timing mechanism including a rotatable driving member, means for selectively separating portions of said driving member, and cooperative members on said driving member portions engageable with each other for limiting rotation of said driving mem-



ber portions relative to each other when the portions are in separated condition.

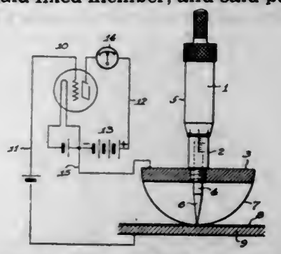
2,136,674
WELL PACKER
Charles S. Crickmer, Dallas, Tex., assignor to Merla Tool Company, Dallas, Tex., a firm
Application July 7, 1938, Serial No. 217,960
10 Claims. (Cl. 166—12)



1. A well packer including, a support, an annular packing element having vertical channels in its inner wall for by-passing fluid through the element, and means for distorting the packing element into packing position and to close the by-pass channels.

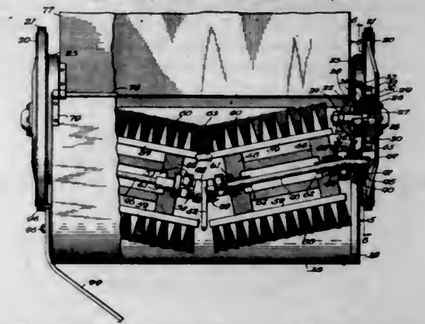
2,136,675
COATING MEASURING DEVICE
Launcelot A. Danse, Detroit, Mich.
Application February 17, 1937, Serial No. 126,122
3 Claims. (Cl. 33—170)

1. A gauge for measuring the thickness of a coating on a body comprising, a longitudinally movable member having a pointed end, a fixed end member on said movable member and adapted for resting upon the surface of the body coating to be measured, the surface of said fixed member in contact with said body coating being curved to permit rocking of said fixed member surface in point contact with said body coating surface, said curvature extending in the direction of rockability of said fixed member, and said pointed end



of said longitudinally movable member being adjusted to protect beyond said curved surface and pierce said body coating.

2,136,676
SWEEPER
Frank S. Davis, Flossmoor, Ill.
Application May 23, 1935, Serial No. 23,065
18 Claims. (Cl. 15—82)

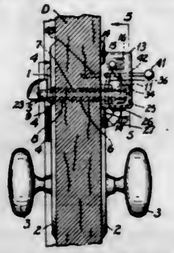


3. A sweeper embodying a wheel supported housing having an open front and an open bottom, brushes rotatable within said housing, the lower edges of said housing being disposed in close proximity to the surface to be cleaned, aprons secured to and depending from the lower edges of the sides and back of the housing, a dirt receptacle the top of which is connected to said housing adjacent the top of the latter, said receptacle having an open end adjacent to the said open front of the housing, and an apron depending from the lower edge of the open end of the dirt receptacle and of a length to be deflected by contact with the surface being cleaned, for directing the air currents into said receptacle, said housing and dirt receptacle being shaped to provide an unrestricted passage to relieve the air currents from compression, the air currents created by the rotation of said brushes being confined and circulated within said housing and dirt receptacle.

2,136,677
DOOR LOCK SAFETY DEVICE
Carl Doeppel, St. Louis, Mo.
Application June 7, 1937, Serial No. 146,762
4 Claims. (Cl. 240—2.13)

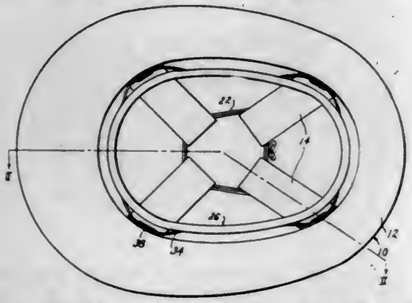
1. In combination with a door lock provided with a keyhole, a safety device therefor comprising a rotatable member extending through the door and a lever arm at one end thereof, said rotatable member and lever arm being formed integral and L-shaped with a continuous socket therein, a switch element at the opposite end of the rotatable member, a second switch element adapted to be contacted by the first switch ele-

ment when the lever arm is moved, a lamp in said lever arm, a source of electrical energy, and suitable electrical conductors between the source



of energy, lamp, and the switch elements, said conductors being housed within the socket aforesaid.

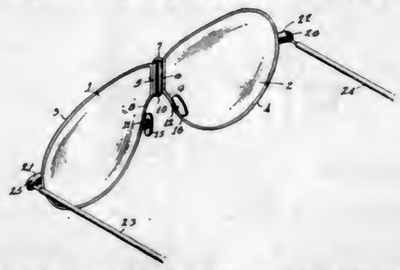
2,136,678
PROTECTIVE HEADGEAR
Joseph B. Dym, Pittsburgh, Pa., assignor to Mine Safety Appliances Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 7, 1936, Serial No. 109,730
9 Claims. (Cl. 2—181)



1. A protective head-gear comprising a rigid blow resistant crown of a standard size, a brim formed integral with the crown, a head cradle in the crown and adapted to engage the head of the wearer of the head-gear, means comprising socket halves of snap fasteners securing the ends of the cradle to the crown, means for adjusting the size of the cradle, a head-band of a particular head size, means removably securing the head-band to the crown, said last-named means including tapes secured adjacent their ends to the band, a pin half of a snap fastener secured to each tape adjacent its center and vertically below the points at which the tapes are secured to the band, said pin half of a snap fastener being removably received in a socket snap fastener.

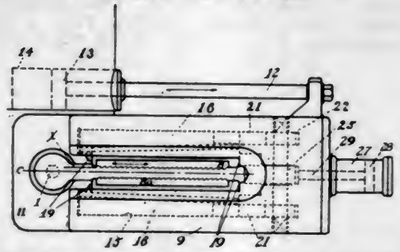
2,136,679
SPECTACLE AND EYEGLASS FRAME OR MOUNTING
Arthur E. Euler, Oakland, Calif.
Application March 25, 1936, Serial No. 70,839
1 Claim. (Cl. 88—43)

An eyeglass and spectacle frame comprising two generally oval lens rims which have temples at their remote ends and hinge knuckles at their near ends, said frame embodying a bridge construction which consists of a closed loop that connects the hinge knuckles and a double curvature in the bottoms of the rims the adjacent curvature components converging toward the hinge knuckles, the resulting configuration following the contour of the nose but being amply spaced therefrom, guard arms integral with the rims at points substantially where the double curvatures branch in opposite directions, said guard arms extending toward each other so as to



locate their terminals close to the sides of the nose, and a pair of nose pads, each having means for movably connecting them to the arm terminals.

2,136,680
BROACHING MACHINE
Frederick S. Floeter, Saginaw, Mich., assignor to Wickes Bros., Saginaw, Mich., a corporation of Michigan
Application December 17, 1936, Serial No. 116,303
7 Claims. (Cl. 90—33)



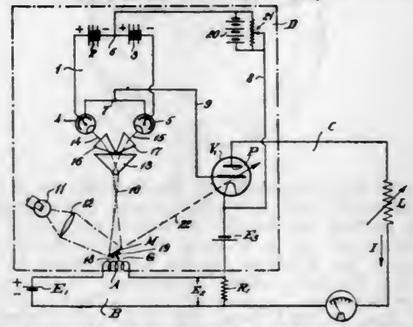
1. In a broaching machine including means for supporting a work piece and having a platen mounted for lengthwise reciprocatory movement past the work piece, power means for reciprocating said platen, a toothed broach mounted on said platen and having the cutting edges of its teeth alined in a plane substantially parallel to the plane of said reciprocatory movement of the platen, power actuated mechanism operatively connected to the broach and mounted to travel with said platen, being arranged and adapted to move the broach coincidently with the reciprocatory movement of the platen transversely to a plane defined by the cutting edges of the teeth, toward and away from the work piece.

2,136,681
FILM DEPOSITION
Karl H. Fulton and John L. Illig, Pittsburgh, Pa., assignors to Ball Chemical Company, a corporation of Pennsylvania
No Drawing. Application January 12, 1937, Serial No. 120,223
3 Claims. (Cl. 91—70)

1. The herein described method performable as a step in the manufacture of metallic pipes, and the like, of applying upon pieces of metallic pipe and like elongate metallic pieces such as bars and rods a temporary corrosion-protective coating in the form of a uniformly thin coherent film fixed to the surfaces of the pipe, rods, or bars and capable of receiving and retaining an outer coating of paint or varnish, which comprises wetting

the entire exposed surface area of the elongate metallic pieces of pipe or the like by immersing them in bundles in a bath emulsion of the oil-in-water type containing drying oil as its chief ingredient and maintained at a temperature substantially above normal atmospheric temperature and below the boiling point of water, and by withdrawing the bundle from the bath into the atmosphere at approximately bath temperature quickly spreading and setting on each of the pieces composing the bundle a complete enveloping film of the character above described in rapid evaporation of the water content of the emulsion wetting the elongate metallic pieces composing the bundle at the moderately elevated temperature of the said metallic pieces.

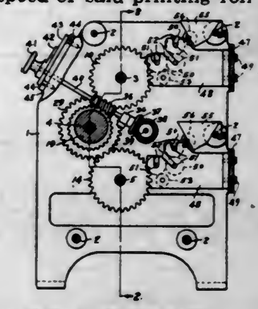
2,136,682
AUTOMATIC CONTROL SYSTEM
Roswell Ward Gilbert, East Orange, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application January 8, 1936, Serial No. 58,134
19 Claims. (Cl. 236—69)



12. Automatic regulating apparatus, comprising: an electrically interpretable variable quantity to be regulated; a grid controlled space discharge device having an output circuit traversed by space current thereof; continuously variable means responsive to and in accordance with the magnitude of said space current for varying said quantity by continuous gradations; means including a galvanometer having a freely supported movable element for applying to the grid of said space discharge device, a biasing potential which is continuously variable in accordance with movement of, and the magnitude of which is determined by the position of, said movable element; a balancing circuit containing a fixed electrical component determinative of a chosen value of regulation, and a similar component electrically interpretive of said quantity, said galvanometer being included in said balancing circuit and thereby responding to unbalanced current flow therein due to deviation of said quantity from said chosen value for automatically and compensatively altering said biasing potential to adjust said quantity to said chosen value and concurrently to adjust said balancing circuit to a condition of balance in continuously variable and mutually controlling gradations.

2,136,683
PRINTING MACHINE
Urban F. Gochoel, Dayton, Ohio, assignor to The Egry Register Company, Dayton, Ohio, a corporation of Ohio
Application March 21, 1936, Serial No. 70,081
11 Claims. (Cl. 101—219)

1. In a printing machine, a printing roll, a paper supporting roll having a resilient cover fixed thereto, said paper supporting roll being adapted to support paper against said printing roll, and means selectively operable to drivingly connect said paper supporting roll to said printing roll to be driven therefrom at a speed less than the speed of said printing roll whereby the



impressions of the printing roll occur, during operation, progressively at different places on the surfaces of the paper supporting roll, or to disconnect said supporting roll from said printing roll for driving said supporting roll from said printing roll through paper supported therebetween.

2,136,684
TOILET SEAT
Tanase Greavu, Dearborn, Mich.
Application June 27, 1938, Serial No. 215,990
7 Claims. (Cl. 4—251)

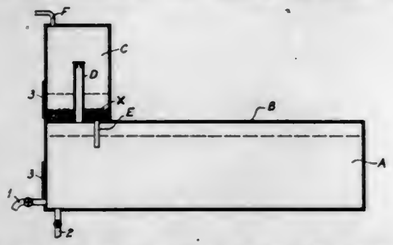


1. In combination with a toilet bowl having a member pivotally supported above the bowl rim, a bracket fixedly secured to said member and extending laterally therefrom, said laterally extending portion having forwardly and rearwardly extending portions, a pair of links one pivotally attached to said forwardly extending portion of said bracket and the other pivotally attached to said reafwardly extending portion of said bracket, said links being in spaced relation to each other, and a pair of means attached to the free ends of said links and operable by the user of said bowl for pivotally moving said member about its support relatively to said rim.

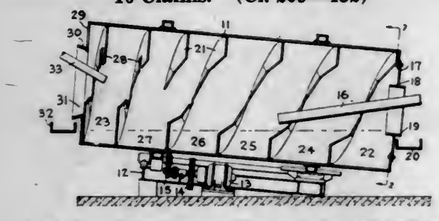
2,136,685
METHOD FOR MANUFACTURING BEER
Rudolf Gull, Affton, Mo., assignor to Anheuser-Busch, Inc., St. Louis, Mo., a corporation of Missouri
Application June 4, 1937, Serial No. 146,357
8 Claims. (Cl. 99—44)

4. A method for making beer, characterized by fermenting beer wort in a closed fermenting chamber provided with a substantially horizontally disposed ceiling, maintaining the wort in said chamber at such a level that the total amount of foam produced during fermentation will be enough greater than the volume of the space between the liquid wort and the ceiling of the fermenting chamber to insure that the foam will press upwardly against said ceiling, permitting a portion of the foam together with the carbonic acid gases evolved during fermentation to

escape from said fermenting chamber, and retaining the major portion of the foam in the fermenting chamber and causing the bitter sediment in said major portion to be left suspended on the underside of said ceiling at a point above the level of the liquid wort when the said foam collapses.



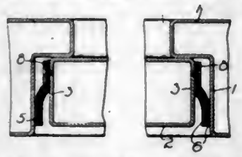
2,136,686
CLASSIFIER
Harlowe Hardinge, York, Pa., assignor to Hardinge Company, Incorporated, York, Pa., a corporation of New York
Application January 11, 1936, Serial No. 58,735
10 Claims. (Cl. 209—452)



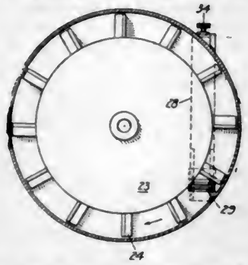
1. A classifier comprising a rotatable classifying chamber having end walls, a fines discharge opening in one end wall of said chamber, an oversize material discharge opening in the opposite end wall of said chamber, and a helical band disposed around the interior of said chamber for moving material towards said oversize discharge opening, said band decreasing in pitch and increasing in depth from the fines discharge end toward the oversize discharge end of said chamber, the decrease in pitch of said band being at a greater rate than the increase in depth with respect to the volume, whereby the net volume of material carried by the band constantly decreases and is zero where the band terminates at the oversize discharge end wall of the chamber.

2,136,687
WEATHER STRIP AND METHOD OF MAKING THE SAME
David H. Harnly, Chicago, Ill.; Willard R. Matheny administrator of said David H. Harnly, deceased
Application August 30, 1937, Serial No. 161,593
4 Claims. (Cl. 20—69)

1. In a weather proofing structure, a resilient and flat weather strip having its lower rear margin beveled for forming a beveled surface thereon, a base member, said weather strip being supported with its beveled surface against said base member and the free portion extending at an angle to the base member, a top clamping member extending longitudinally along the rear top margin of said strip and over said beveled portion, and means for clamping said top clamping member against said beveled portion and bringing said top clamping member into substantial parallel relation with said base member for compressing said bevelled portion and causing the free sealing portion to assume a greater angle than the first mentioned angle.



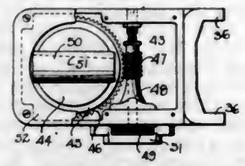
2,136,688
FUEL FEEDING MEANS
George E. Houghton, Cedar Rapids, Iowa
Application April 2, 1936, Serial No. 72,323
2 Claims. (Cl. 110—104)



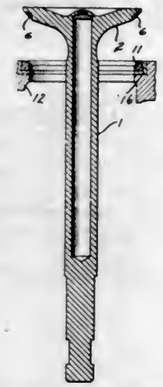
2. In a pulverizing fuel feeding device, a fuel distributing and metering means comprising a disk having paddle-like members about the periphery thereof, a housing in which the disk is housed, the housing having an opening in the bottom thereof, below the paddles in an arc of their movement, a gate-like means for controlling the flow of fuel from the disk and including a plate having an upwardly curved ear at the inner extremity thereof and with the ear extending into the opening and immediately adjacent thereof, a second plate adapted to work co-operatively with the first named plate to permit increasing and decreasing at the extent of the discharge opening, the second plate being slidably secured beneath the opening and a hanger for supporting the second named plate, the inner end of the second named plate having an upwardly curved ear disposed in opposed relation to the ear on the first named plate, and the ears being arranged with one higher than the other to positively scrape fuel from beneath the paddles and discharge it through the opening, and a blower for discharging fuel from the fuel distributing means into the fire box of the furnace and means for actuating the fuel distributing means and the blower means.

2,136,689
MEANS AND METHOD OF ORIENTING PIPE
James D. Hughes and Ray F. Bolton, Dallas, Tex., assignors of one-half to Eastman Oil Well Survey Company, Dallas, Tex., a corporation of Delaware, and one-half to Eastman Oil Well Survey Corporation, Los Angeles, Calif., a corporation of California
Application August 7, 1937, Serial No. 157,847
7 Claims. (Cl. 33—72)

1. An orienting clamp for use on a string of pipe being oriented into or out of a well bore comprising a body to partially encircle the pipe, means to affix the clamp to a pipe, an extension at one side of said body, a tapered socket in said extension, means to adjust said socket about a vertical axis, a tapered stem to fit in said socket, a yoke on said stem, and a sighting device pivoted in said yoke.

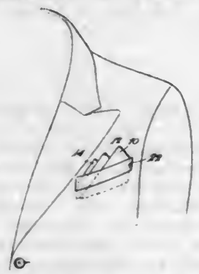


2,136,690
INTERNAL COMBUSTION ENGINE VALVE AND SEAT
Robert Jardine, Detroit, Mich., assignor, by mesne assignments, to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application August 12, 1930, Serial No. 474,742
4 Claims. (Cl. 123—188)



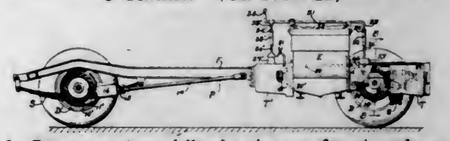
1. In a valve seat unit for the poppet valves of internal combustion engines, a bi-metallic annulus having a downwardly and inwardly beveled surface forming a seat for the poppet valve of an internal combustion engine, said annulus embodying a metallic attaching base ring and an initially separate and harder metallic impact right embedded in the base ring and having a beveled upper surface constituting said seat, a portion of said base ring being in overhanging confining relation to said impact ring.

2,136,691
POCKET ORNAMENT
Fred F. Jasperson, Topeka, Kans.
Application May 24, 1938, Serial No. 209,807
7 Claims. (Cl. 35—56)



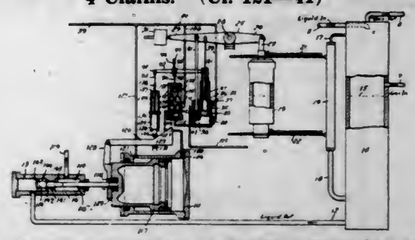
1. A pocket ornament comprising a plurality of wings movably related, means for holding the wings in assembled relation, and tensioning means for urging the wings into holding relation with the walls of a pocket.

2,136,692
FOUR-WHEEL DRIVE
Bror G. Johnson, Chicago, Ill.
Application August 31, 1936, Serial No. 98,682
3 Claims. (Cl. 180—44)



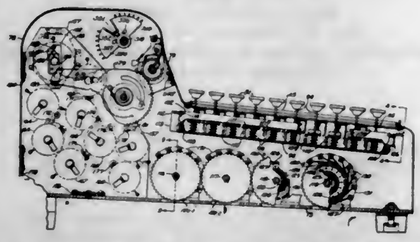
1. In an automobile having a front axle assembly, a differential in said axle assembly including a ring gear and a pinion engaging said gear at the upper forward part and having an integral forwardly extending sleeve, said gear and pinion being hypoid gears, a transmission shaft extending rotatively thru said pinion and sleeve, an engine on the shaft rearward of the ring gear, transmission means forward of said differential, including gears on said sleeve and sub-shaft means having gears shiftable to be engaged with said sleeve gears, a gear on the forward part of said subshaft means and a combination member slidable on the forward part of said transmission shaft having peripheral teeth engageable with said forward gear and also having a free-wheeling unit therein, clutch means on said combination member and on the forward end of said sleeve to couple them for direct driving of the pinion by the drive shaft, and a shift lever with means to shift said combination member and said gears on the subshaft means into operative engagement with the other gears.

2,136,693
CONTROL MECHANISM
Walter H. Kniskern, Petersburg, Va., assignor, by mesne assignments, to The Solvay Process Company, New York, N. Y., a corporation of New York
Original application October 10, 1930, Serial No. 487,887, now Patent 2,062,095. Divided and this application November 1, 1934, Serial No. 750 955
4 Claims. (Cl. 121—41)



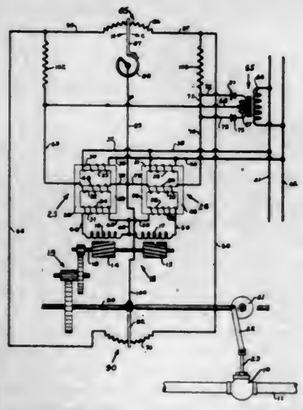
1. A relay comprising a housing provided with an inlet orifice for admission of pressure fluid to said housing and a discharge orifice for the discharge of pressure fluid from said housing, a passageway for flow therethrough of pressure fluid from said discharge orifice and a relay needle for controlling the discharge of pressure fluid through said discharge orifice, said relay needle extending through said passageway and having longitudinal wings on the portion thereof extending through said passageway to prevent vibration thereof, said wings being spaced from the walls of the passage way to prevent contact therewith.

2,136,694
CALCULATING MACHINE
Jalmer M. Laiho, Chicago, Ill.
Application September 27, 1933, Serial No. 691,136
15 Claims. (Cl. 235—61)



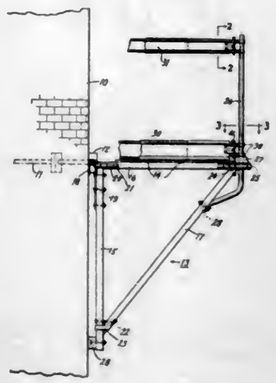
1. In a calculating machine, a set of digit keys arranged in denominational columns, individual electric switches controlled by each key, partial electric circuits including said key switches, a multi-denominational register for displaying values, a multi-denominational register actuator, electric means for setting stops representing the digits of a number and which stops determine the possible motion of the elements of the register actuator, individual electric circuits for each stop-setting means associated with each denominational order of the register actuator, selective means for connecting the partial electric circuits including the key switches of each ordinal column of keys to the electric circuits of the actuator stop-setting means so that the values set up on the keys can be set successively into any denominational orders of the actuator stop-setting means when the said partial circuits are completely closed, calculation control keys operative in performing an arithmetical calculation, contact switches for said control keys whereby the said partial circuits may be completely closed, and means for automatically driving the register actuator whereby to set up the results of calculations in said register.

2,136,695
MOTOR CONTROL SYSTEM
Gordon F. Laing, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application December 20, 1937, Serial No. 180,768
16 Claims. (Cl. 172—239)



1. In a motor control system, an electrical motor, a variable control impedance, a variable follow-up impedance, means connecting said variable follow-up impedance to said motor and operative to vary the value of said impedance in accordance with the position of said motor, a saturable core amplifier having a magnetic core structure and output and saturating windings on said core structure, means connecting said saturating winding with said control and follow-up impedances to a source of power and operative to energize said saturating winding in accordance with the values of both said control impedance and said follow-up impedance, and means controlled by said output winding for controlling the energization of said motor.

2,136,696
SCAFFOLD
Clyde K. Lamb, Cleveland, Ohio, assignor to The Safety Scaffold Corporation, Cleveland, Ohio, a corporation of Ohio
Application April 17, 1937, Serial No. 137,447
4 Claims. (Cl. 304—14)

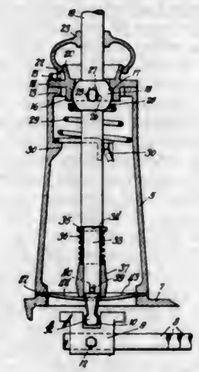


1. In a scaffold of the character described, a plurality of floor board supporting brackets adapted to be mounted on a structure to be worked upon, vertically extending posts secured to each of said brackets, a pair of spaced loop elements adjustably secured to each post adjacent the top thereof, guard rail sections connecting adjacent posts, each guard rail section comprising a pair of rigid members having their inner ends telescoped, the outer ends of an associated pair of members each having a loop secured thereto to receive a vertically extending pin, and a pin projected vertically through the loop and loop elements to pivotally secure the guard rail section to a post.

2,136,697
SHIFTING MEANS FOR TRANSMISSIONS
Robert Lapsley, Berrien Springs, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application April 17, 1936, Serial No. 74,949
9 Claims. (Cl. 74—473)

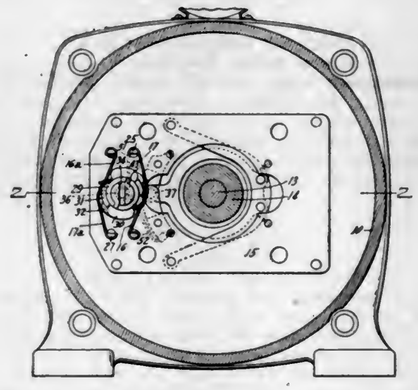
1. In combination, a gear shift lever, a supporting housing, a ball and socket connection between said lever and housing, a dished closure plate across one end of said housing, one portion of said lever extending through said plate, and means slidably mounted on said lever within said

housing and biased between said extending por-



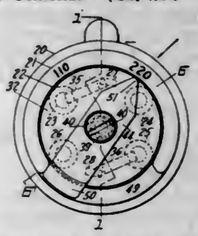
tion of said lever and said plate for preventing substantial vibration of said extending portion.

2,136,698
CIRCUIT CONTROLLING DEVICE
George H. Leland, Dayton, Ohio, assignor to The Leland Electric Company, Dayton, Ohio, a corporation of Ohio
Application February 13, 1936, Serial No. 63,695
23 Claims. (Cl. 200—142)



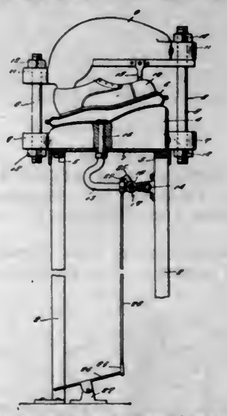
1. In a circuit controlling device, a movable contactor biased in one direction, a rod extending transversely to the path of movement of said contactor and held against rotation, a controlling member rotatably mounted on said rod and so connected with said contactor that the rotation of said controlling member in one direction will move said contactor in opposition to its bias and the movement of said contactor in the direction of its bias will rotate said controlling member in the other direction, said contactor constituting the sole means for moving said controlling means in the last mentioned direction, a connecting member rotatably mounted on said rod adjacent to said controlling member, means including a thermal element to hold said connecting member normally against rotation and to release the same for rotation by said contactor when said thermal element is subjected to an abnormal temperature, and a one way clutch interposed between said controlling member and said connecting member.

2,136,699
CIRCUIT CONTROLLING DEVICE
George H. Leland, Dayton, Ohio, assignor to The Leland Electric Company, Dayton, Ohio, a corporation of Ohio
Application August 4, 1937, Serial No. 157,365
22 Claims. (Cl. 200—11)



1. In a circuit controlling device, two rigid members at least one of which is biased toward the other and one of which is tiltable with relation to the other, a plurality of contacts carried by one of said members in opposed relation to the other member and adapted to be connected in pairs, and a plurality of contacts carried by the other member and provided with not less than two or more than three pairs of contact surfaces arranged to engage a corresponding number of pairs of the first mentioned contacts, said contacts being shaped and arranged to cause the contacts on said tiltable member to be wedged into lateral engagement with the cooperating contacts on the other member and to permit said tiltable member to have pivotal movement about two axes with relation to said cooperating contacts.

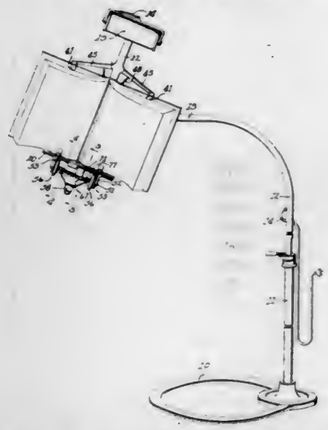
2,136,700
SHOE SOLE PRESS
Elzear J. Le Gault, Haverhill, Mass., assignor, by direct and mesne assignments, to Bestco Shoe Machinery Inc., Ipswich, Mass., a corporation of Massachusetts
Application December 4, 1936, Serial No. 114,241
2 Claims. (Cl. 12—36)



1. A shoe sole press of the character described comprising a substantially arcuate supporting structure, a plurality of spaced jacks mounted on the supporting structure in an annular series leaving both ends of each jack freely accessible, each of said jacks including an inflatable pad, an air line mounted on the supporting structure for connection with a source of air supply, branches connecting each of the inflatable pads with the air line, multiway valves interposed between the air

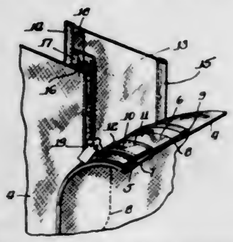
line and the pads for selectively establishing communication between said air line and the pads or between said pads and the atmosphere, and means for manually actuating each of the valves.

2,136,701
BOOK HOLDER FOR READING STANDS
George Manierre, Milwaukee, Wis.
Application August 9, 1937, Serial No. 158,012
4 Claims. (Cl. 45—61)



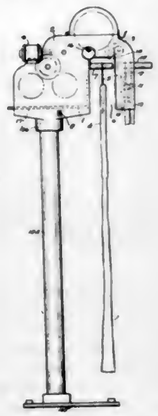
1. In a book holder designed to support an open book in various reading positions, including a position above a recumbent reader, with exposed pages facing downwardly, the combination of a book support having a ledge with which end margins of open book covers may be engaged without interfering with page turning operations, a back bar projecting upwardly from the central portion of the ledge, a set of cover clamping arms having adjacent ends pivoted to the back bar and having their extremities engageable with the upper end margins of the covers of an open book to clamp the covers between said arms and the ledge, and springs secured to the back bar below the arms and connected with intermediate portions of the arms for applying yielding pressure to said arms to hold them in book cover clamping position.

2,136,702
GARMENT FLY CLOSURE
Louis Markin, Chicago, Ill., assignor to Alfred Decker & Cohn, Inc., Chicago, Ill., a corporation of Illinois
Application December 28, 1936, Serial No. 117,801
1 Claim. (Cl. 2—234)



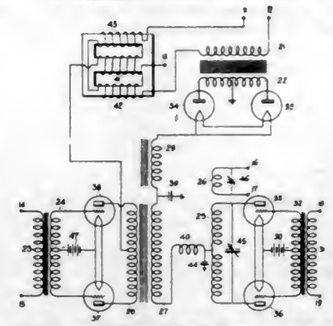
As an article of manufacture, a zipper fly closure for garments, comprising an outer fly strip 6 of single thickness, in-turned at its outer edge and stitched inside the garment to the inner surface of the outer overlapping portion of the closure, a zipper tape 10 stitched to the inner surface of said strip, adjacent the outer edge of the latter, so that this outer edge is held against any outward displacement that might expose to view the zipper, when the latter is closed, by stitching extending only through the tape and the strip close to the in-turned outer edge of the latter, whereby the engaging elements of said tape are close to the outer edge of said outer portion, thus holding the latter against said outward displacement, and leaving the greater portion of said inner surface exposed between the inner edges of the tape and strip, with a line of stitching through the garment in said exposed surface, an inner fly strip 13 of single thickness and greater width than said outer fly strip, so that full coverage and backing is provided for the latter inside the garment, and a zipper tape 17 stitched to said inner strip between the latter and the inturned edge portion of the inner overlapping portion of the closure, with the engaging elements of this second tape in position to interlock with the first mentioned elements, between the two fly strips, so that none of the stitching, of the two tapes, appears on the outer surface of the garment cloth, when the zipper is adjusted to close the garment closure, and said inner fly strip covering all other inside edges of the closure structure, so that the edges of the inner strip are the only ones that show inside the garment, and that are subject to wear, when the closure is in closed condition.

2,136,703
GARMENT COVER MACHINE
Morris Miller, Boonton, N. J.
Application June 15, 1936, Serial No. 85,309
14 Claims. (Cl. 93—2)



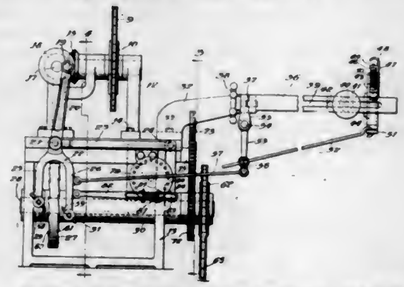
1. A machine for forming covers on garments, having an aperture extending transversely therethrough with a garment receiving recess in the far side of said aperture, a support extending substantially across said aperture upon which garments may be suspended, means feeding paper to a position between the end of the support and the far side of the aperture, means for moving a garment against the paper, and the paper and garment into the recess in the far side of said aperture, the periphery of said recess bending the edges of said paper over the edges of said garment, and means folding the bent-over edges of the paper across the garment.

2,136,704
RADIO CIRCUIT
Isaac A. Mitchell, Brooklyn, N. Y.
Application March 14, 1935, Serial No. 10,992
1 Claim. (Cl. 179—171)



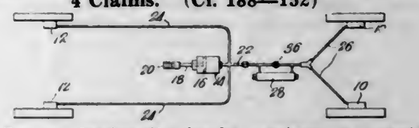
In a radio circuit a low frequency source, a high frequency source, a vacuum tube amplifier including an anode connected to the low frequency source, an output circuit including a power supply source for said amplifier connected to said anode, means for coupling the high frequency source to a high frequency amplifier, said amplifier having an output circuit and a separate power supply source therefor, means for modulating the high frequency source by the low frequency amplifier output, a reactor having direct current and alternating current windings such that the impedance of the alternating current winding varies as the current in the connecting the direct current winding into the anode circuit of the audio frequency amplifier, means for coupling a commercial alternating current supply source to said alternating current winding and means for coupling said alternating current winding to the power supply means for said high frequency amplifier whereby the power supply means for said high frequency amplifier varies with the variation in the direct current flowing through the reactor.

2,136,705
WEB GUIDE MECHANISM
William C. Nash, Neenah, Wis., assignor of one-fifth to Mary Jones and one-fifth to Marie Duvall Nash, both of Neenah, Wis., and one-fifth to William M. Nash, Chicago, Ill., and one-fifth to Roy A. Nash, New Rochelle, N. Y.
Application February 27, 1936, Serial No. 66,079
2 Claims. (Cl. 74—241)



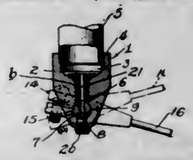
1. A device for guiding a moving web which comprises in combination, a guide roll having its surface in contact with said web, a bearing for supporting one end of said guide roll, means for moving said bearing, means for driving said bearing moving means, a contact member movable in response to lateral movement of said web and an engaging member for connecting said driving means to a source of mechanical power, a connection between said contact member and said engaging member for connecting said driving means to said source of mechanical power in response to movement of said contact member, means synchronized with said driving means, and means connecting said synchronized means and said engaging member for limiting movement of said engaging member.

2,136,706
PRESSURE CONTROL FOR HYDRAULIC BRAKES
Robert F. Ostrander, New Haven, Conn.
Application August 20, 1937, Serial No. 160,103
4 Claims. (Cl. 188—152)



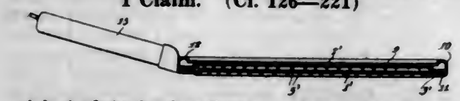
1. In an hydraulic brake system, a master cylinder having an operable piston thereon, means for transmitting hydraulic pressure from said master cylinder to the rear brakes, means for transmitting hydraulic pressure from the master cylinder to the front brakes, said last named means including a control cylinder in a common hydraulic line to said front brakes, a movable piston therein and spring means for resisting movement of said piston in the direction for transmitting hydraulic pressure to the front brakes, whereby the front brake hydraulic pressure only is reduced by the resistance produced by said spring means, and a by-pass connecting the ends of the control cylinder, said by-pass having a self-acting one-way valve which causes the brake fluid to equalize on opposite sides of its piston while the brake system is inoperative.

2,136,707
VALVE
Bengeman Beason Owens, Van Nuys, Calif., assignor to Bank of America National Trust and Savings Association, Los Angeles, Calif., a National Banking Association
Application May 31, 1935, Serial No. 24,329
2 Claims. (Cl. 251—113)



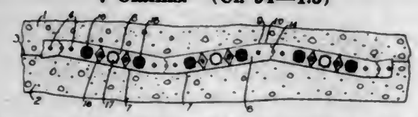
1. A valve comprising a valve body provided with a bore for communication with a source of liquid supply and having a tapered shoulder within said bore; a relatively long non-metallic plug inserted in said bore and having one end enlarged to form a head adapted to rest on said shoulder, said plug being provided with an aperture therethrough; and a closure member having a port for registry with said aperture the face on said plug head nearest said closure member being tapered to engage the tapered shoulder in said bore, said closure member being contacted by said plug and said plug being so constructed and arranged that pressure of liquid in said bore will normally urge said plug against said closure member to form an effective liquid tight seal when said port is moved out of registry with said aperture.

2,136,708
HOT PLATE
Harry H. Patrick, Los Angeles, Calif.
Application January 10, 1936, Serial No. 58,542
1 Claim. (Cl. 126—221)



A hot plate for heating a cooking utensil over a gas flame, consisting of an upper perforated plate having an unobstructed upper face so that the utensil may rest upon the same, a lower perforated plate, and an imperforate plate above, and in contact with, the upper perforated plate, said plates being attached together at their edges, said perforated plates having a multiplicity of minute closely placed unobstructed perforations therethrough extending throughout substantially the entire area of the perforated plates, the lower perforations operating to permit passage of a substantial portion of the gases of combustion from the flame into the space between said perforated plates so that said space operates as a gas chamber filled with the hot gases of combustion, the perforations in the upper plate operating to expose a considerable portion of the area of the imperforate plate to direct contact with the hot gases in the said gas chamber, so that the said imperforate plate acquires a considerable portion of its heat from its direct contact with the said gases.

2,136,709
TRAFFIC LANE DIVIDER
Robert R. Robertson, Chicago, Ill.
Application December 11, 1936, Serial No. 115,281
7 Claims. (Cl. 94—1.5)



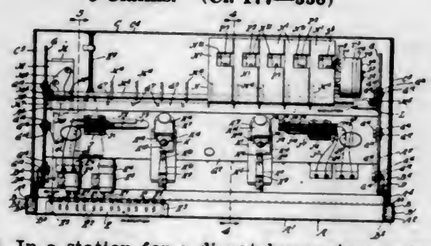
1. The combination with a concrete road, of a traffic lane divider rigidly mounted upon the road to form a definite barrier between the lanes, said divider constructed of a plurality of interlocked sections disposed at an angle with respect to one another, traffic obstacles of different heights alternately arranged on the divider sections for obstructing the movement of vehicles from one lane into an adjacent lane over the divider, and tread units on the divider sections between the traffic obstacles and of less height than the traffic obstacles.

2,136,710
HIGHWAY GUARD FENCE
Edward A. Robertson, Western Springs, Ill., assignor to Clark J. Robertson, Brookfield, Ill.
Application June 7, 1937, Serial No. 146,725
12 Claims. (Cl. 256—13.1)



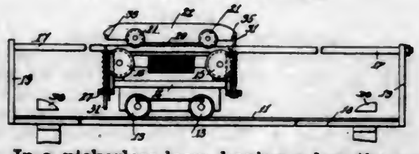
1. A highway guard fence comprising a plurality of spaced posts, a continuous fence rail, and hinge coil units connecting the rail with said posts.

2,136,711
DISPATCHER
Arch D. Rollins, Chicago, Ill., assignor, by mesne assignments, to Temporator Company, Chicago, Ill., a corporation of Illinois
Original application October 11, 1926, Serial No. 140,721. Divided and this application October 5, 1934, Serial No. 747,107
6 Claims. (Cl. 177—338)



3. In a station for a dispatcher system, a supporting structure, a plurality of indicator units, means for removably mounting said units on said structure, each of said units including an indicating wheel biased to a non-indicating normal position, means for separately advancing said wheels, means for locking the wheels in advanced positions, and means for resetting the wheels to a normal position including a shaft carried by the supporting structure and common to all the units, separate wheel release means for each wheel carried by the shaft, an actuating arm including an armature, a magnet carried by said supporting structure and operably positioned with respect to the armature, means for defining the position of the armature when the magnet is deenergized to thereby position all of said arms with respect to the respective units, and means for energizing the magnet to simultaneously clear all the wheels.

2,136,712
SHUTTLE OPERATING DEVICE
James F. Rourke, Worcester, Mass.
Application June 23, 1936, Serial No. 86,811
6 Claims. (Cl. 139—133)

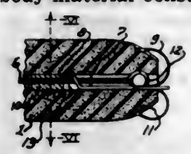


1. In a pickerless loom having a lay, the combination of a track extending across the lay, a carriage movable along the track, grooved wheels mounted on the carriage near the top, two parallel rods in fixed position located in the grooves and guiding the wheels, an upper carriage carrying a bobbin, the upper carriage having grooved wheels movable along said rods, and vertically movable means extending up from the lower carriage to propel the upper carriage.

2,136,713
WEED-RESISTING FISH LURE
Theodore E. Schnabel, Detroit, Mich.
Application April 28, 1938, Serial No. 204,724
1 Claim. (Cl. 43—35)

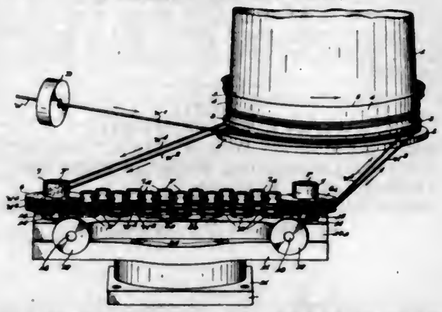
In a fish lure a body composed of a resilient, yieldable, floating material, said body having in combination a series of fishing hooks, a rod extending longitudinally through the center of said body, means upon one end of said rod for securing a towing line thereto, counterbalancing means

secured to said rod and within said body; an additional rod, an eyelet upon one end of the last-named rod, said eyelet slidably engaging the first-named rod, a passage extending through the rear portion of said body and horizontally within the same, said eyelet moveable within said passage, aforesaid body material constituting means



whereby a braking pressure is continually exerted upon said eyelet for retaining aforesaid hooks in contact with said body and also in an extended position with respect to same, and means upon the rear portion of said body for guarding said hooks when they are in contact with said body from engagement with weeds and undergrowth.

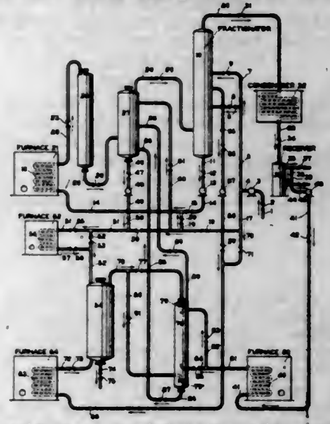
2,136,714
MECHANISM FOR STRAIGHTENING WIRE
Abraham Simons, New York, N. Y., assignor to Washburn Wire Company, Inc., New York, N. Y., a corporation of New York
Application May 16, 1936, Serial No. 80,026
7 Claims. (Cl. 140—136)



1. Mechanism for straightening wire, said mechanism including two longitudinal series of rollers, said rollers being arranged in staggered relation, each of said rollers having a plurality of spaced grooves, said grooves being arranged in a plurality of corresponding series each of which is adapted and operative to straighten a run of the wire, mechanism adapted to feed and guide a continuous length of wire under tension in a plurality of consecutive runs, each said run passing partially around the peripheries of one of said series of grooves.

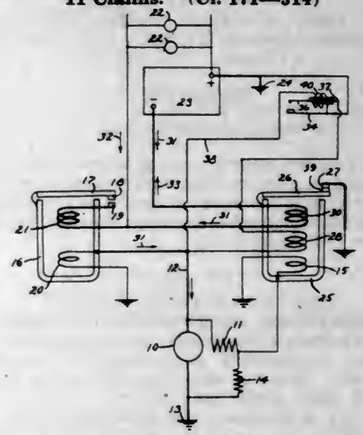
2,136,715
CONVERSION OF HYDROCARBON OILS
Kenneth Swartwood, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application May 27, 1937, Serial No. 145,021
6 Claims. (Cl. 196—9)

1. In a process wherein hydrocarbon oils are cracked at cracking temperature and superatmospheric pressure to produce primarily gasoline, liquid residue and normally gaseous materials, which are separated, and wherein said liquid residue is reduced to coke in a zone separate from that wherein it is separated from the vaporous and gaseous products of the cracking operation, the improvement which comprises introducing vaporous products of the coking operation into a reaction zone separate from that of the aforementioned cracking operation, heating regulated quantities of said normally gaseous materials, following their separation from said gasoline, to a high oil-cracking temperature, introducing the highly heated gases into said reaction zone wherein they commingle with said vaporous products of the coking operation, raising said vaporous products to cracking temperature by the



heat of said gases, maintaining said commingled vaporous and gaseous materials at an active cracking temperature in said reaction zone for a sufficient length of time to effect the production therefrom of additional yields of good antiknock gasoline, and recovering the latter.

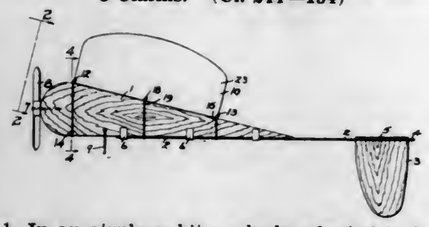
2,136,716
REGULATOR FOR BATTERY CHARGING SYSTEMS
August Toelle, Detroit, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application October 29, 1934, Serial No. 750,530
11 Claims. (Cl. 171—314)



9. The combination of a storage battery, a generator supplying current of two different current rates to said battery, a regulator adapted to operably short circuit a resistance in the field circuit of the generator so as to cause said generator to operate upon the higher of its rates, and an ambient temperature controller disposed adjacent to said battery adapted to actuate said regulator, said controller comprising a pair of bi-metal members having co-operating contact points thereon for completing a circuit through said regulator, one of said members being responsive

to the ambient temperature and the other of said members being responsive to the voltage of the battery.

2,136,717
AIRPLANE KITE
Dominic L. Waldock, Highland Park, Mich.
Application August 12, 1937, Serial No. 158,700
5 Claims. (Cl. 244—154)



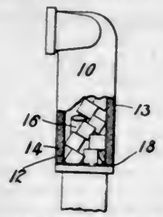
1. In an airplane kite, a body adapted to have a string secured thereto, a member projecting rearwardly therefrom, a tail carried by said member, and a wing structure comprising an annular frame secured substantially horizontally to said body and projecting laterally on both sides thereof, a vertically disposed annular reinforcement supported by both lateral extremities of said frame and having its lower side projecting beneath the latter, annular bows each secured to the front and rear of said frame, the upper portion of each bow lying in horizontal alignment with the frame to brace the latter and the lower portion of each bow extending downwardly and inwardly and being connected to the lower side of said reinforcement, and a covering the periphery of which is secured to the annular frame and bearing intermediately against the underside of said bows and said reinforcement.

2,136,718
ROOF CONSTRUCTION
David A. Wallace, Detroit, Mich.
Application January 27, 1936, Serial No. 60,969
9 Claims. (Cl. 108—10)



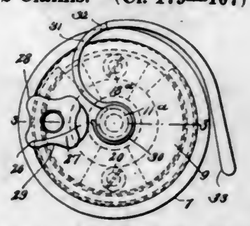
1. A roofing element comprising a sheet metal body and a composition body, said metal body having a pair of spaced apart arms extending through said composition body, said arms having retainer receiving means.

2,136,719
INTERNAL COMBUSTION ENGINE
Frederick Weinberg, Detroit, Mich.
Original application June 7, 1928, Serial No. 283,566. Divided and this application December 7, 1933, Serial No. 701,296
4 Claims. (Cl. 123—141)



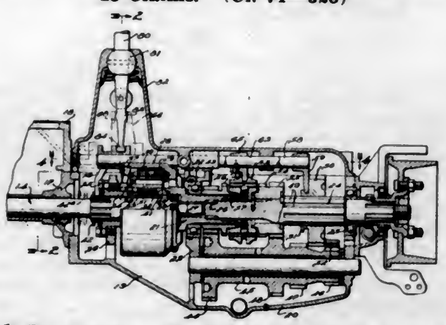
1. A fuel mixture intake for an internal combustion engine, having a portion provided with a heat insulated wall and filled with a multiplicity of small tubes arranged irregularly therein.

2,136,720
TELEPHONIC APPARATUS
Joseph C. White, Boston, Mass.; Alice G. White, Boston, Mass., executrix of said Joseph C. White, deceased
Application March 20, 1936, Serial No. 69,769
2 Claims. (Cl. 179—107)



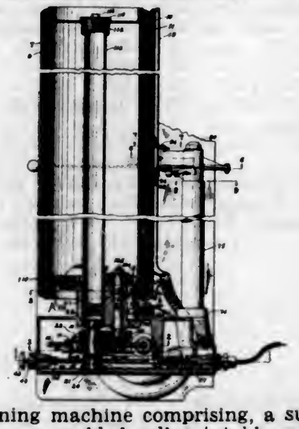
2. In an auricular telephone the combination of a motor element; a vibratory element cooperating with the motor element; a case body; a perforated fixed plate above said vibratory element; a grooved stud riveted to said fixed plate; a perforated ring cap to clamp said fixed plate to said case body; a rotatable front plate mounted frictionally on said fixed plate; a sound tube on said rotatable front plate; and a detachable rubber tipped earwire frictionally mounted on said stud.

2,136,721
POWER TRANSMISSION
Edwin R. Maurer, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application July 15, 1935, Serial No. 31,343
15 Claims. (Cl. 74—328)



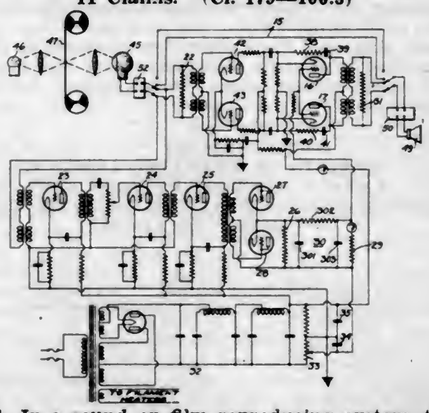
1. In a motor vehicle drive, a driving shaft, a second shaft axially aligned with said driving shaft and adapted to be driven therefrom, a third shaft axially aligned with said second shaft and adapted to be driven therefrom for driving the vehicle, means for selectively driving said third shaft from said second shaft in a plurality of speed ratios, and means for selectively driving said second shaft from said driving shaft in a direct drive or in a speed ratio differing therefrom, said second shaft having an enlarged extension surrounding an end portion of said driving shaft, said driving means for said second shaft including a gear train adapted to drivingly connect said driving shaft with said shaft extension, said driving means for said second shaft further including clutching means selectively operable to connect said driving shaft with said second shaft either directly or indirectly through said gear train.

2,136,722
IRONING MACHINE
John J. McCabe, Cleveland, Ohio, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application March 21, 1934, Serial No. 716,632
29 Claims. (Cl. 38—59)



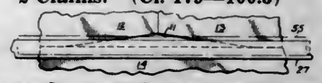
1. An ironing machine comprising, a supporting structure, a padded roll rotatably mounted thereon with one end only of said roll arranged for radial movement, a cooperating heated ironing member also carried by said supporting structure, power means for rotating said roll including an internal gear fixed inside the roll at the radially movable end thereof and a driving pinion normally out of mesh therewith, and means for effecting relative movement between said roll and member for bringing them into pressing contact with each other and for radially moving the end of the roll to bring said gear and pinion into meshing engagement with each other.

2,136,723
SOUND RECORDING AND REPRODUCTION
Burton F. Miller, Hollywood, Calif., assignor to United Research Corporation, Long Island City, N. Y., a corporation of Delaware
Application September 25, 1935, Serial No. 42,116
11 Claims. (Cl. 179—100.3)



1. In a sound on film reproducing system, the combination of a carrier for a sound track having noise reduction, means for translating the modulations of said track into electrical currents corresponding thereto, an amplifier circuit, and a series-parallel impedance circuit connected in series intermediate said translator and said amplifier circuit for varying the amplitude transmission therebetween in a ratio different from that existing upon said carrier, said impedance circuit including the cathode-anode circuits of a pair of thermionic devices having a common grid circuit.

2,136,724
SOUND RECORDING
Burton F. Miller, Hollywood, Calif., assignor to United Research Corporation, Burbank, Calif., a corporation of Delaware
Original application June 24, 1935, Serial No. 28,109. Divided and this application April 4, 1936, Serial No. 72,730
2 Claims. (Cl. 179—100.3)



1. Means for recording an anti-ground noise type of variable area sound record comprising a single electrical conductor, means forming a triangle aperture and cooperating with said conductor, means for directing a beam of light through the opening between said aperture and said conductor, means for vibrating said conductor across said aperture in accordance with sound modulated current and means for varying said opening in accordance with the average volume of said current.

2,136,725
TREATING METAL STOCK AND/OR ROLLS DURING COLD ROLLING
Gilbert H. Orozco, East Cleveland, Ohio
No Drawing. Application June 3, 1937, Serial No. 146,308
10 Claims. (Cl. 153—10)

1. The method of treating the complementary contact surfaces of metal stock to be formed and/or forming rolls during the cold rolling of metal as driven by the rolls, comprising maintaining on said surfaces an aqueous solution which is mildly acid, the solute of which has a specific heat above .20.

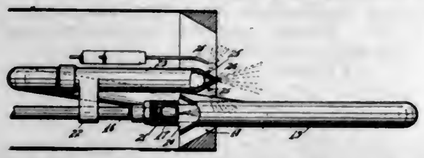
2. The method of treating the complementary contact surfaces of metal strip stock to be formed and/or forming rolls for forming such stock by cold rolling, comprising maintaining on the contacting surfaces in liquid condition a solution containing an alkali and an acid which solution has a pH not above 7 and not materially below 7.

2,136,726
CONCENTRATION METHOD
Raymond G. Osborne, Los Angeles, Calif.
No Drawing. Application May 12, 1936, Serial No. 79,298
1 Claim. (Cl. 209—6)

The method for treating sand-stone containing uranium-vanadium material in the interstices thereof together with vanadium partly in the form of large granules, the method consisting in first breaking down the ore to normal sand grain size, subjecting the ore to dry attrition limited to provide a dust from a part of the uranium-vanadium material without appreciable disintegration of sand grains, collecting the resultant dust as a concentrate of relatively high uranium value, forming a pulp of the remaining ore, separating the suspend of the pulp and dropping out heavier particles to provide a second concentrate high in uranium value, reducing the resultant tailings to a thick pulp, subjecting the

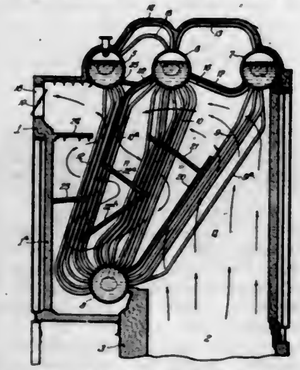
thick pulp to attrition limited to prevent appreciable size reduction of said granules, tabling off said granules from the pulp to provide a concentrate high in vanadium value, and hydraulically treating the suspend material resulting from such tabling to provide another vanadium concentrate.

2,136,727
GAS-GENERATING OIL BURNER
George Pirich, Minneapolis, Minn.
Application September 26, 1936, Serial No. 102,740
4 Claims. (Cl. 158—53)



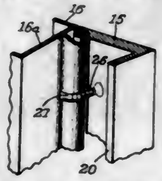
1. In a hydro-carbon burner, an air blower having a discharge barrel terminating in an open end, and a generating tube of smaller internal diameter than the discharge barrel and having its receiving end positioned to receive air from the delivery end portion of the discharge barrel, the intermediate portion of said generating tube extending outward of the open end of the discharge barrel and the discharge end of said generating tube opening outwardly in the vicinity of and approximately concentrically with respect to the discharge end of the discharge barrel so that air from the discharge barrel will pass both through the generating tube and about the discharge end thereof and so that the heat of combustion will heat the intermediate portion of the generating tube, a liquid fuel atomizing nozzle arranged to discharge a spray of hydrocarbon fuel into the receiving end portion of the generating tube.

2,136,728
BOILER
Joseph W. Putnam, Jr., Evanston, Ill., assignor to Plibrico Jointless Firebrick Company, Chicago, Ill., a corporation of Illinois
Application February 3, 1937, Serial No. 123,837
5 Claims. (Cl. 122—302)



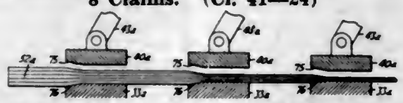
1. In combination in a water tube boiler of the character described, a setting defining a furnace and provided with a rear outlet for products of combustion, three upper drums and a lower mud drum, banks of tubes connecting said upper drums to said mud drum, the forward bank of tubes extending over said furnace, a baffle extending from said mud drum along said forward bank of tubes for the major portion of the length thereof and thence rearward across the middle bank of tubes, a second baffle extending from an upper drum downward adjacent the front of the rear bank of tubes beyond the rearward extension of said first baffle and then downward and forward and downward and rearward across said middle bank, defining a substantially V-shaped rearwardly opening baffle element, and a third baffle extending from the rear wall of said setting across the rear bank of tubes between the arms of said substantially V-shaped element.

2,136,729
SHOWER STALL DOOR HINGE
William Stahl, Los Angeles, Calif.
Application December 7, 1936, Serial No. 114,571
7 Claims. (Cl. 189—46)



1. In combination; a vertical jamb strip having a flange on one vertical edge the other vertical edge being formed with a groove, and a tongue both of which are coextensive in length with the jamb strip and curved transversely inward, with the curve of the groove and the inner curve of the tongue combining to form an involute curve while the curvature of the tongue's outer sides is struck from a single radius and tangent to the adjacent vertical edge of said strip; a tongue on one vertical edge of the door coextensive in length therewith disposed between the sides thereof, and curved transversely outward from a single radius to form on its concave side a groove tangent to the vertical door edge, said tongues extending into the grooves of each other so that the door is mounted on the jamb to swing from a closed position in which the door abuts the flange, and the free vertical edges of the tongues contact with the walls of the respective tongue grooves for forming a liquid tight joint between the tongues, to an open position in which the confronting walls of the tongues contact with each other and the confronting walls of the door and the jamb strip abut each other; and means for securing the tongues against endwise relative movement.

2,136,730
METHOD OF TREATING LUMBER
Ernest J. Sweetland, Piedmont, Calif.
Application November 13, 1935, Serial No. 49,517
8 Claims. (Cl. 41—24)



7. A method of filling, hardening and producing an irregular surface on boards having hard and relatively soft portions which comprises, applying sealing material to at least one surface of a plurality of boards to fill the pores thereof, placing said boards together so that two filled surfaces are adjacent and in contact, subjecting said boards to a compressive pressure sufficient to enclose in the pores of said boards the sealing material which has penetrated below the surface of said boards and to permanently reduce the thickness of said boards, said thickness varying moderately in different portions of said boards in accordance with the compressibility of said hard and relatively soft portions and the extent to which the hard portions of one board have been impressed into the relatively soft portions of the adjacent board, and then separating said boards to expose said adjacent surfaces.

2,136,731
ELECTRICAL APPARATUS
Howard J. Benner, Springfield, Mass., assignor to F. W. Sickles Company, Springfield, Mass., a corporation of Massachusetts
Application April 1, 1937, Serial No. 134,236
3 Claims. (Cl. 74—89)



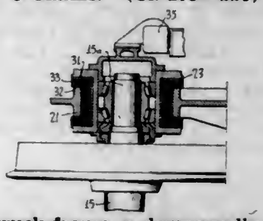
1. In an apparatus of the class described comprising in combination, a support, a lower tube having an end wall on said support, the said support and end wall having openings therethrough, an internally threaded member extending through said openings and securing the end wall to said support, an upper tube slidable in the lower tube having its lower end spaced from the end wall of the lower tube and provided with an end wall having an opening therein, a member rotatable in said opening, a screw member fixed to said last-named member extending through and threadedly engaging the internally threaded member adapted to move the upper tube relative to the lower tube when it is rotated.

2,136,732
BALING WIRE
Raymond D. Buckwalter, Lancaster, Pa.
Application March 12, 1937, Serial No. 130,601
7 Claims. (Cl. 24—27)



3. A baling wire comprising a strand of wire, and a loop formed at one end of said strand and having longitudinally extending side bars disposed substantially parallel to each other for substantially the full length of said loop, in combination with securing means carried by the other end portion of said strand to be threaded through said loop, said securing means having a lower face extending radially outwardly at all points from said strand to engage the upper faces of the bars of said loop in the common plane thereof, said means being formed with two opposed radially inwardly tapering portions, the lower tapering portion extending upward and radially inward from approximately the lower face of the means and including the portion of said means of greatest diameter, the greatest diameter of said means exceeding the greatest width of said loop and the greatest diameter of said securing means and the length of said loop and the degree of resiliency of the material of said loop all being so proportioned and related that the bars of said loop will be sprung apart within the limits of their resiliency by the passage of said securing means between said bars without permanently deforming the same in a spread condition.

2,136,733
RAIL CAR TRUCK
Walter B. Dean, Narberth, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 18, 1936, Serial No. 69,453
6 Claims. (Cl. 105—225)



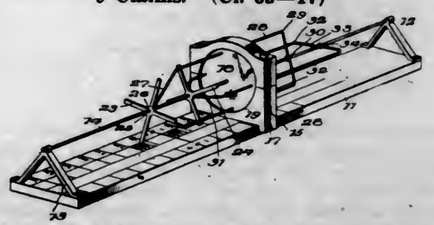
1. In a truck frame, a downwardly opening U-section pedestal, a liner for the opposite side walls of said pedestal, said liner embodying a wear plate of U-section, a mounting plate also of U-section but of smaller dimensions than the wear plate and a rubber cushion also of substantially U-shape filling the space between the wear plate and the mounting plate, and a journal member between the depending legs of the pedestal, said journal member having thrust means contacting with the side walls of the wear plate.

2,136,734
LAMINATED GASKET
Harry B. Denman, Birmingham, Mich., assignor to Detroit Gasket & Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application November 30, 1934, Serial No. 755,483
2 Claims. (Cl. 288—1)



1. A gasket comprising a layer of rubber composition having on one exposed surface, a layer formed of a metal insert and cushion material layers on each side thereof, said insert having projections embedded in said cushion material layers, the rubber composition layer and the metal insert-cushion material layer being secured together.

2,136,735
VISUALIZING DIOPTERMETER
John S. Dunn, New Orleans, La.
Application December 8, 1937, Serial No. 178,812
9 Claims. (Cl. 35—17)

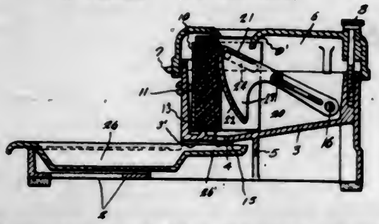


1. A device for computing and demonstrating refractive values and effects, comprising a body having a base line and a diopter scale extending perpendicular to said base line, a support guided for movement along said scale, and a pair of indicators carried by said support and movable independently relative to said support along said scale to cooperate with said scale to indicate various diopter values.

2,136,736
CORROSION RESISTING STEEL
Flint C. Elder, Cleveland Heights, Ohio
No Drawing. Application March 23, 1936, Serial No. 70,549
1 Claim. (Cl. 75—1.25)

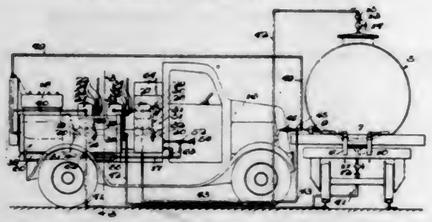
A corrosion resisting steel possessing good physical properties of ductility, malleability, and toughness, containing copper in amounts ranging from 0.10% to 0.20%, inclusive, nickel from 0.15% to 0.35% inclusive, phosphorus from 0.20% to 0.40% inclusive, carbon not over 0.30%, manganese not over 0.30%, sulphur not over 0.05%, silicon not over 0.25%, and the balance by difference being substantially pure iron.

2,136,737
HAIR WAVING PAD WRINGER
Glenn Fisher, Bowling Green, Ky.
Application August 2, 1937, Serial No. 157,056
5 Claims. (Cl. 68—241)



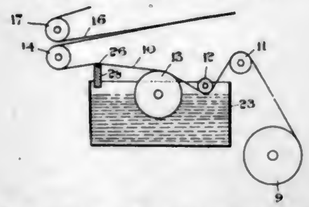
1. A wringer of the class described comprising a casing, a vertically arranged block of resilient material located in the casing, a shaft journaled in the casing, a lever connected with the shaft, a presser member pivotally connected with the lever and including a forwardly extending part terminating in an arcuate-shaped vertically arranged member, the convex face of which is arranged to press material against the resilient block, diagonal guide means in the casing and the member having projections at its ends engaging the guide means and means for rocking the shaft.

2,136,738
RAILWAY TANK CAR HEATING APPARATUS
Joseph Giordano, Nanuet, N. Y.
Application September 4, 1937, Serial No. 162,528
3 Claims. (Cl. 126—343.5)



1. Apparatus for heating material within a railway car tank having a heating coil therein, comprising a support, a heating liquid tank mounted upon the support, conduits connecting the heating liquid tank with the heating coil, a pump connected in one conduit to circulate the heating liquid between the heating liquid tank and coil, a burner arranged near the heating liquid tank, a carbureter leading to the burner, a material heating tank mounted upon the support, conduits connecting the material heating tank and the car tank, a pump connected in one of the last named conduits and serving to circulate the material between the car tank and the material receiving tank, a burner arranged near the material receiving tank, a carbureter leading to the last named burner, a liquid fuel supply tank mounted upon the support, conduits connecting the liquid fuel supply tank and the carbureters, a compressed air storage tank mounted upon the support, conduits connecting the compressed air storage tank and the carbureters, an air compressor connected with the compressed air storage tank, a prime mover mounted upon the support, a drive shaft driven by the prime mover, separate driving connecting means between the drive shaft and the first named pump, separate driving connecting means between the drive shaft and the second named pump, and separate driving connecting means between the drive shaft and air compressor, the arrangement being such that each pump and the air compressor may be driven independently.

2,136,739
APPARATUS FOR MAKING LAMINATED WRAPPING PAPERS
Dallas Grant, Windsor Mills, Quebec, Canada, assignor to Canada Paper Company, Montreal, Quebec, Canada, a corporation of Canada
Application August 11, 1937, Serial No. 158,549
In Canada June 24, 1937
4 Claims. (Cl. 154—37)

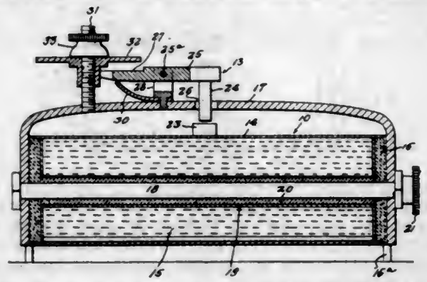


1. Apparatus for use in the manufacture of laminated paper products comprising means for applying a coating of asphalt to one side of a travelling web of paper, a cylindrical rod over which the coated side of the web travels as it leaves the coating means, means for continuously rotating said rod in a direction opposite to the travel of said web, means for raising and lowering the rod to regulate the thickness of the coating left on the web as it passes beyond said rod, means for removing asphalt from the coating-engaging surface of said rod and means for pressing a second travelling web of paper against the coated side of the first web after the latter has passed over said rod.

2,136,740
FIRE ALARM
Adolf K. Helmersen, Astoria, Oreg.
Refiled for abandoned application Serial No. 23,491, May 25, 1935. This application December 7, 1937, Serial No. 178 603
4 Claims. (Cl. 200—140)

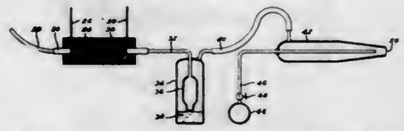
1. In a device of the character described, an elongated expansible container of conductive material and of oval shape in cross section and having a peripheral wall and end walls spaced inwardly from the respective opposite ends of the peripheral wall together with an insulated tube extending between said end walls centrally of the container, supporting plates of insulating material for said container and having portions fitting within the ends of the peripheral wall of said container, a substantially U-shaped member having legs bearing against and spaced from the ends

of the container by said plates, said legs and plates being provided with openings alining with one another and with said tube, a bolt extending through the openings and said tube for securing said U-shaped member to the container, said bolt adapted to serve as a binding post, a contact



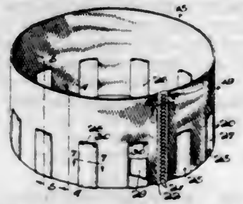
member mounted on the peripheral wall of said casing, and a contact member mounted on said U-shaped member and adapted to be engaged by the first named contact upon an expansion of said casing, and a volatile liquid confined within said casing for expanding the latter when subjected to excessive heat.

2,136,741
HALIDE DETECTOR
Albert L. Henne, Columbus, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application February 9, 1935, Serial No. 5,794
7 Claims. (Cl. 23—232)



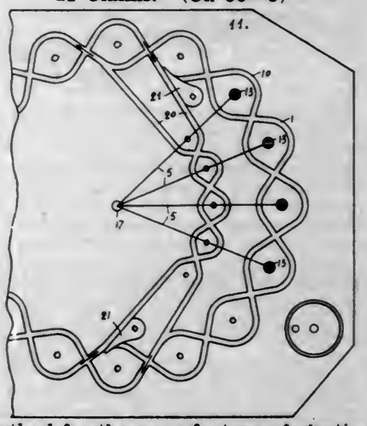
1. The process of detecting volatile organic fluoro derivatives in a gaseous medium which comprises passing the gaseous medium to be tested into contact with incandescent silica and thereafter passing the resulting product into contact with ammonia.

2,136,742
GARTER, GIRDLE, BRASSIÈRE, OR LIKE GARMENT
Henry M. Herbener, Thomasville, Ga.
Application October 8, 1937, Serial No. 168,059
18 Claims. (Cl. 241—5)



1. A section of woven elastic fabric having transverse pockets woven therewith, said pockets being elastic in a direction longitudinally of the section of fabric, each pocket having an opening which is shorter than the width of the pocket, and a stiffening rib for insertion in the pocket through the opening when the pocket is stretched in a direction longitudinally of the section.

2,136,743
METHOD AND MACHINE FOR MANUFACTURING ELASTIC HELICAL CONDUCTING CORDS
Hans Heinrich Hollenweger, Zurich, Switzerland, assignor to Condelex, S. A., Zug, Switzerland, a joint-stock company of Switzerland
Application March 25, 1937, Serial No. 133,093
In France March 28, 1936
11 Claims. (Cl. 96—3)



1. Method for the manufacture of elastic helical conductive cord lengths having a core, a braid about same, longitudinal resilient threads enclosed in the thickness of said braid at one side thereof and nonelastic ends, said method comprising stretching resilient threads, causing a core member and the stretched resilient threads to run in parallel relation, so braiding yarns about relatively long spaced sections of the running core member as to guide some of the yarns outside said threads and other yarns between said threads and said core member, so braiding the yarns about relatively short intervenient sections of said core member as to guide all of said yarns between said threads and said core member, and severing the braided cord at the last named sections.

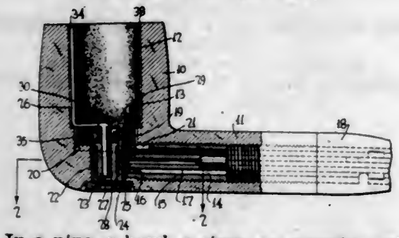
2,136,744
HAT PACKING STAY AND COMBINATION PACKAGE
Joseph G. Huye, New Orleans, La.
Application August 24, 1936, Serial No. 97,703
8 Claims. (Cl. 206—8)



1. A storing and shipping package comprising a box comprising a tubular body, a bottom closing the lower end of said body, and a top closing the upper end of said body, in combination with a plurality of hat centering and spacing means disposed in said body in stack relation and a plurality of hats disposed in said body in superposed loosely nested relation, said centering and spacing means and said hats being arranged in alternation in stack form vertically of said body, each of said centering and spacing means having a body of sheet form with portions closely adjacent the inner face of said box body at both ends and at both sides of each said centering and spac-

ing means and having a vertically extending supporting rim, the lowest of said centering and spacing means resting on the upper face of said box bottom and having anchoring centering means extending upward into the crown of the lowest hat and engaging the inner face of said crown adjacent both ends and on opposite sides thereof and receiving and supporting the brim of said lowest hat on the upper face of its body between said anchoring centering means and said rim, the remaining spacing and centering means each having a similar bracing and supporting rim and being formed with a centering supporting opening, a pair of stops disposed in a vertical direction, and finger holes adjacent said stops, each said spacing and centering means resting on the supporting rim of the spacing and centering means immediately next below, each said centering and supporting opening being of such size and shape as to receive the crown of the hat immediately below and so that the wall of said opening will be very closely adjacent to said crown but slightly spaced therefrom substantially at all points in the normal upright position of the package, said stops depending closely adjacent to the brim of the hat immediately next beneath their respective centering and spacing means without touching said brim when the package is in normal upright position, said finger holes permitting the packer to hold said stops back during the packing operation and to remove the spacing means in unpacking without damaging the hats, and the rim of the extreme upper spacing and centering means being higher than the rims of any of the other said means to extend above the top of the crown of the top hat to protect the latter and substantially to the top of the box body to supplement the latter in supporting any load that may be placed on the top of the package, each body of each said spacing and centering means, excepting the extreme top said means, supporting by its upper face the individual weight of the hat resting thereon.

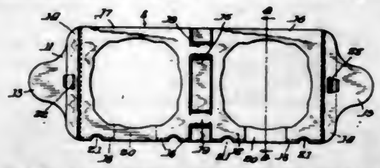
2,136,745
SMOKING PIPE
Norman K. Jellinghaus, Philadelphia, Pa.
Application July 12, 1934, Serial No. 734,729
Renewed June 16, 1937
4 Claims. (Cl. 131—184)



2. In a pipe, a bowl, a stem, an annular orifice in the bottom of the bowl in open communication with the stem, a movable bowl cleaner and orifice cleaning means carried by the bowl cleaner to thoroughly clean opposed walls of the orifice.

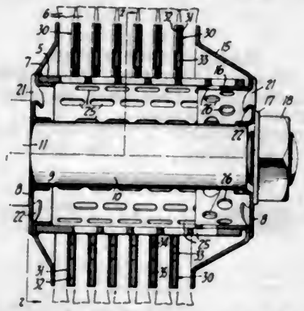
2,136,746
SLIDE CARRIER
Bertel J. Kleerup, Chicago, Ill., assignor to Society for Visual Education, Inc., Chicago, Ill., a corporation of Delaware
Application August 16, 1937, Serial No. 159,248
3 Claims. (Cl. 88—28)

1. A slide carrier comprising a pair of plates, each having co-planar end and intermediate portions and light apertured offset portions and flanges at the lower end thereof, said plates being secured, together with the co-planar portions thereof, in face to face contact whereby the offset portions define a plurality of slide receiving cham-



bers, the flanges of each chamber having a pair of raised portions adapted to support slides, and slots in one side and the bottom of each flange in register for permitting insertion of members to partially elevate a slide when said carrier is in slide removing position.

2,136,747
BUFFING WHEEL
Joseph Levoy, Berkeley, Calif.
Application October 25, 1937, Serial No. 170,886
2 Claims. (Cl. 51—193)



1. A ventilated buff for mounting on a rotatable spindle having a stop thereon spaced from a spindle end carrying securing means, said buff comprising an apertured sleeve, a first buff compression disc adapted to fit on said spindle and against said stop and to support one end of said sleeve in a spaced relation to said spindle, a second buff compression disc having a spindle engaging portion for sliding support by said spindle upon operation of said securing means to compress buff sections positioned on said sleeve between said compression discs, said discs including air induction means effective upon rotation of said spindle, said second disc including a tubular portion adapted to fit in said sleeve to support the other end of said sleeve in said spaced relation to said spindle, and a plurality of spacer units positioned on said apertured sleeve in a spaced relation and including air passages for effecting radial air induction into buff sections positioned between said spacers.

2,136,748
MEANS FOR SETTING WHIPSTOCKS IN WELLS
Morris A. Lottinger, Houma, La.
Application December 13, 1937, Serial No. 179,585
2 Claims. (Cl. 255—1)

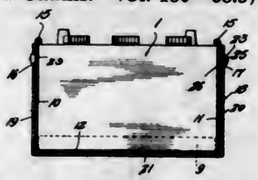
1. Means for positioning a whipstock in a well comprising a drill line, a bit at the lower end of the line, means for detachably connecting the bit with the upper end of the whipstock, said line

including a tubular section having a longitudinally extending key therein provided with a pointed upper end, said section being located above the whipstock, an elongated aligning pin of tubular construction for fitting in the tubular section, said pin having a longitudinally extending keyway therein having its lower end open, for receiving the key, means in the aligning pin for automatically directing the key into the keyway as



the aligning pin is lowered into the key carrying section, said key being in alignment with the operative face of the whipstock, a photographic surveying instrument connected to the upper end of the aligning pin and including a compass and a marker positioned in alignment with the keyway and to photograph on the compass, and means for lowering the instrument with the aligning pin thereon into the drill line and for removing said parts from the drill line.

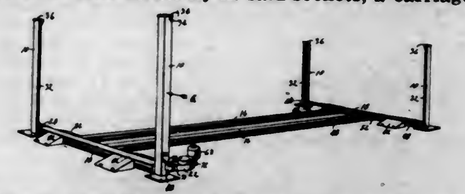
2,136,749
BATTERY CONTAINER
Franklin M. Martino, Vineland, N. J.
Application March 8, 1937, Serial No. 129,725
8 Claims. (Cl. 180—68.5)



1. In a battery container, a frame formed from a single blank of sheet metal bent to form end walls and a bottom, said frame being adapted to receive a storage battery and said end walls being engageable with the battery for retaining said battery in place in the frame, and a housing adapted to receive the frame and battery and having end walls engageable with said first mentioned end walls for retaining the frame in position about the battery whereby said battery will be mounted in operative position.

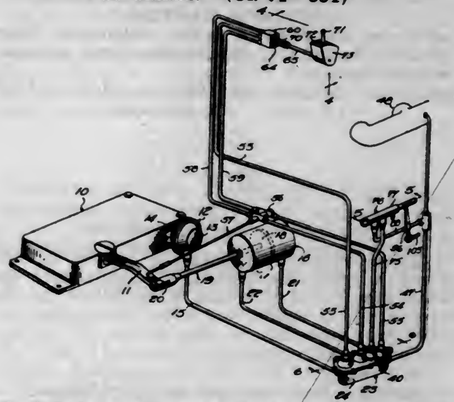
2,136,750
AUTOMOBILE LIFT
Don D. Myers, Toledo, Ohio, assignor to Modern Equipment Corporation, Defiance, Ohio, a corporation of Ohio
Application September 10, 1935, Serial No. 39,939
8 Claims. (Cl. 254—92)

1. In a lift structure, a plurality of upright posts independently mounted and each having a socket in its upper end, a screw threaded shaft carried by each post, a head on the upper end of each screw threaded shaft, said heads being received non-rotatably in said sockets, a carriage



frame vertically movable relative to said posts, nuts supporting said carriage frame and rotatable relative thereto and relative to said screw threaded shafts, and means carried by said carriage frame for rotating said nuts.

2,136,751
GEAR SHIFTING MECHANISM FOR MOTOR VEHICLES
Sulo Michael Nampa, Detroit, Mich., assignor to Automatic Shifters, Inc., Richmond, Va., a corporation of Virginia
Application December 16, 1936, Serial No. 116,195
20 Claims. (Cl. 74—334)

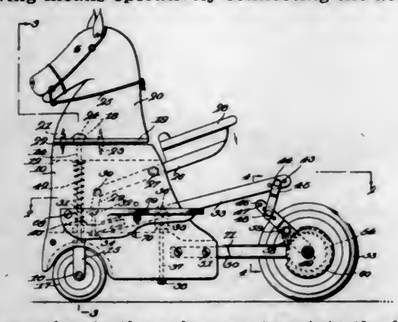


1. A gear shifting mechanism for a motor vehicle having a clutch and a transmission, comprising a power operated gear shifting mechanism, control mechanism for said shifting mechanism, and means operable upon actuation of the clutch for rendering said control mechanism inoperative when the clutch is engaged and operative when the clutch is disengaged, said means having lost motion connection with the clutch.

2,136,752
TOY VEHICLE
Don M. Neilson, Beaver, Utah, assignor of one-third to Abe Murdock and one-third to E. A. Griffiths, both of Beaver, Utah
Application June 28, 1937, Serial No. 150,816
10 Claims. (Cl. 280—226)

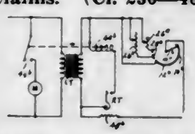
8. A vehicle of the class described including a body, a steering wheel connected to the body, a lever fulcrumed intermediate its ends to the body and having a seat mounted thereon, an actuating member fulcrumed intermediate its ends to the body, said lever and actuating member extending lengthwise of the body, means interconnecting the forward end portions of the actuating member and said lever, yieldable means

between the body and the forward end of the actuating member for normally maintaining the seat in its raised position, an axle connected to the body and having wheels fastened thereto, and driving means operatively connecting the actuat-



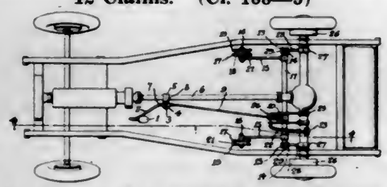
ing member to the axle so as to rotate the latter upon the depression of the seat, said yieldable means acting to return the seat to its raised position upon the downward pressure being released from said seat.

2,136,753
VARIABLE TEMPERATURE BURNER CONTROL SYSTEM
Carl Penn, Des Moines, Iowa, assignor to Penn Electric Switch Co., Des Moines, Iowa, a corporation of Iowa
Application January 28, 1936, Serial No. 61,166
3 Claims. (Cl. 236—46)



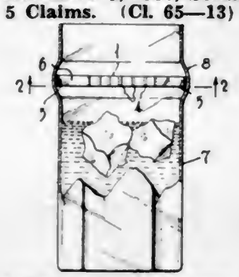
1. In a variable temperature burner control system, a room thermostat, an electrically operated heater for effecting a reduction in the temperature at which said room thermostat operates in proportion to the degree of current supplied to said electrically operated heater and a controller for the current supplied thereto comprising a time operated rheostat operable to energize said heater for a predetermined period of time, then gradually reduce energization thereof by steps for a further predetermined period of time and finally deenergize said heater.

2,136,754
REAR CONTROL
Duane L. Potter, Dalton, Pa.
Application April 7, 1938, Serial No. 200,794
12 Claims. (Cl. 188—5)



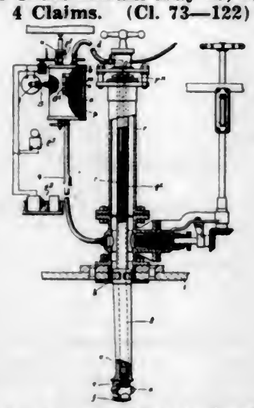
1. In an anti-skid apparatus, the combination of a control shaft disposed forward of the rear wheels of the car, adjustable depending posts carrying said control shaft, a plurality of L-shaped arms mounted on the control shaft, a pair of spur wheels mounted on each of said arms, said spur wheels having their teeth offset from each other, an intermediate spacing disc between each pair of spur wheels, an upstanding bar affixed to the control shaft for operating same, foot operated means operatively connected to said bar to rotate the control shaft and lower the spur wheels to the roadway, and resilient means for returning the mechanism to its original inoperative position when pressure on the foot lever is released.

2,136,755
GUARD FOR DRINKING GLASSES
Charles Stanley Prince, Washington, D. C.
Application November 9, 1937, Serial No. 173,707
5 Claims. (Cl. 65—13)



1. As an article of manufacture, a guard for drinking glasses comprising a split ring formed of a strip of resilient sheet material and having corrugated portions extending radially inward a substantial distance, said guard adapted to be held within the glass by friction.

2,136,756
LOG FOR MEASURING THE DISTANCE TRAVELED BY WATER-BORNE VESSELS
George Alfred Rockall and William Albert Edward Rockall, London, England, assignors to Wsevolod Pavlovitch Ampenoff, London, England
Application May 17, 1935, Serial No. 22,100
In Great Britain May 29, 1934
4 Claims. (Cl. 73—122)

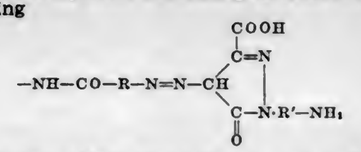


1. A ship's log comprising a closed submerged chamber; means for rigidly supporting same outside the ship; a make-and-break device within said chamber; a shaft to drive said make-and-break device, extending through one of the walls of said chamber; a bearing in said wall in which said shaft is journalled and a rotator mounted on said shaft outside said chamber, to drive said shaft when the rotator is moved relatively to the water in combination with a resilient collapsible

oil reservoir inside said ship, fixed at one end; a conduit connecting said reservoir and said submerged chamber to keep the latter filled with oil; a resiliently-collapsible pressure chamber of greater cross-sectional area than said oil reservoir fixed at one end; a connection between the free end of said resiliently-collapsible pressure chamber and the free end of said reservoir; a conduit connecting the interior of said resiliently-collapsible pressure chamber with the water outside the ship so as to apply to the oil in said reservoir a pressure greater than that of the water in said resiliently-collapsible pressure chamber and leads to connect the make-and-break device in the submerged chamber to an indicating device inside the ship substantially as set forth.

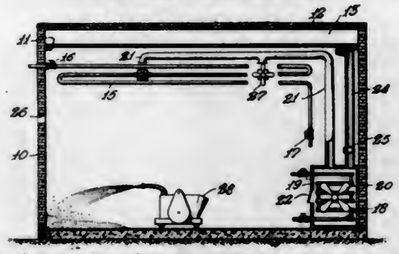
2,136,757
AFTER-TREATMENT OF DYEINGS ON CELLULOSIC FIBERS
Hans Roos, Leverkusen-I. G.-Werk, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application June 5, 1935, Serial No. 25,182. In Germany June 29, 1934
16 Claims. (Cl. 8—46)

1. The process which comprises aftertreating cellulosic fibers which have been dyed with a substantive dyestuff containing at least once the grouping



wherein R and R′ stand for aromatic radicals, with a diazo compound of an aromatic amine free from a group inducing solubility in water.

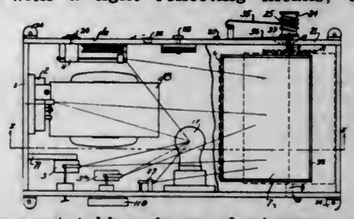
2,136,758
REFRIGERATED MOTION PICTURE STAGE
Nels H. Rosberg, Los Angeles, Calif.
Application May 20, 1936, Serial No. 80,711
4 Claims. (Cl. 272—15)



1. Apparatus for preparing snow scenes for photographic purposes comprising in combination: a building insulated against heat loss and a motion picture stage arranged therein; means for maintaining the atmosphere within said building at a desired temperature not exceeding 32 degrees Fahrenheit; means for producing a supply of pulverized ice particles and for collecting them into a stream, and means for directing said stream of ice particles onto delimited portions of said stage and articles placed thereon.

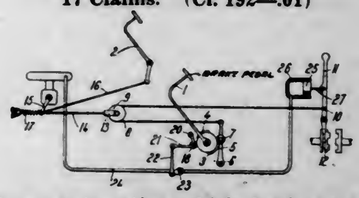
2,136,759
VIBRATION INSTRUMENT
James Jay Ryan, Minneapolis, Minn.
Application April 20, 1934, Serial No. 721,576
10 Claims. (Cl. 73—51)

1. A vibration indicating and analyzing instrument adapted to simultaneously measure a plurality of different vibrations of a single machine for purposes of comparison, comprising a case adapted to be rigidly secured to a portion of a machine, the vibration characteristics of which are to be studied, a seismic mechanism movably mounted in said case and responsive to transverse vibrations thereof, a directly connected follow mechanism adapted to be connected to another portion of said machine and movable relative to said case to be responsive to relative movements between said portions, a vibrating timing mechanism, each of said three mechanisms being provided with a light reflecting means; a light



source, a rotatable polygon of mirrors, a viewing screen, means provided on said case whereby the same may be anchored directly on a machine, the vibrations of which are to be studied, the vibrations imparted to said various mechanisms causing said light reflecting means carried by each to oscillate, whereby light from said light source is reflected therefrom onto said rotatable polygon of mirrors and thence to said viewing screen whereby the plurality of light curves thus formed may be directly compared in their true relationship to each other as they exist in said single machine being studied.

2,136,760
LOCKING DEVICE FOR VEHICLE WHEELS
Léon Saives, Billancourt, France, assignor to Louis Renault, Billancourt, France
Application September 12, 1932, Serial No. 632,867
In France October 29, 1931
17 Claims. (Cl. 192—.01)

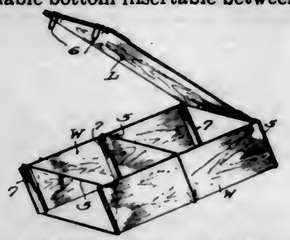


1. In an automotive vehicle having a variable speed internal combustion engine for driving it and a free wheeling device permitting the vehicle to travel at speeds relatively exceeding the engine speed, a lever for locking the vehicle free wheeling device, a carbureter having an accelerator for controlling the speed of the internal combustion engine, a brake pedal lever for applying the vehicle brakes, means actuated by said brake lever for operating the carbureter accelerator for bringing the engine speed up to the relative speed of the vehicle as the brake lever is being actuated in applying the brakes, and means actuated through the movement of said lever for closing the carbureter.

2,136,761
COLLAPSIBLE PACKAGE
Jack W. Simmons, Tallahassee, Fla.
Application April 9, 1936, Serial No. 73,523
6 Claims. (Cl. 217—8)

1. A sectional collapsible package comprising

side walls, continuous band flexible binding elements secured thereto and extending transversely across and between their top and bottom edges, a detachable bottom insertable between said walls

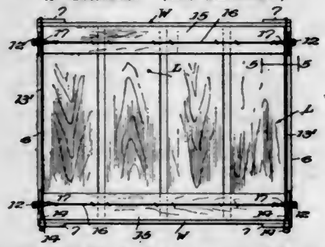


to seat on said binding elements in perpendicular relationship to the walls, and a lid having at one end a loose hinge connection with one of said binding elements.

2,136,762

COLLAPSIBLE PACKAGE

Jack W. Simmons, Tallahassee, Fla.
Application May 4, 1936, Serial No. 77,846
2 Claims. (Cl. 217—47)

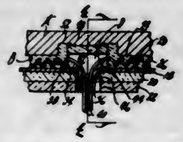


1. A collapsible package comprising a bottom section, end sections connected thereto in hinged relation, opposed side wall sections, flexible binding elements secured to the outer faces of said bottom and wall sections and connecting same in loose hinged relation, a cleat at each end of said wall sections and engageable over the outer face of the end sections, a lid detachably seated between said walls on the upper edges of said end sections, cooperative lid securing means on said lid and end sections, and said flexible binding elements having portions arranged to underlie said lid securing means.

2,136,763

HEATING PLATE STRUCTURE

Howard A. Smith, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application September 18, 1935, Serial No. 41,085
7 Claims. (Cl. 219—37)

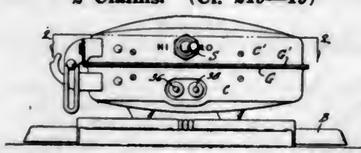


6. In a heating plate structure, a plate element having a groove in the bottom thereof, a heating element in said groove, means to retain said heating element therein, terminals for said heating element and circuit connections between said heating element and said terminals, said circuit connections including at the connection thereof to the heating element an insulating bushing having a slot therethrough, one end of said slot extending toward said groove and the other extending at substantially right angles to said groove, and an insulating cover piece for the portion of said slot in said groove, said plate element having a socket receiving said cover piece and positioning it against lateral movement.

2,136,764

MULTIHEAT ELECTRIC APPLIANCE

Howard A. Smith, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application May 24, 1937, Serial No. 144,420
2 Claims. (Cl. 219—19)

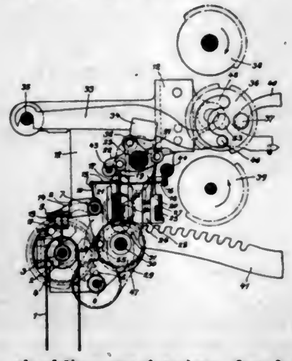


1. In a multi-heat electric appliance, a pair of appliance casings, a pair of heating elements, one in each of said casings, terminals for one end of each of said heating elements, the other ends of said heating elements being connected together, and a single switch operable when closed to establish a path for current flow between said heating elements which shunts a part of each of them out of the circuit.

2,136,765

SHEDDING MECHANISM FOR LOOMS

Othmar Stäubli, Horgen, Switzerland, assignor to Gebr. Staubli & Co., Horgen, Zurich, Switzerland
Application December 20, 1937, Serial No. 180,901
10 Claims. (Cl. 139—77)



1. In a shedding-mechanism for looms, the combination of a pattern-card, with pick-reading needles hanging above said pattern-card and adapted to be lowered on to this pattern-card to read the picks therefrom, levers, on which said pick-reading needles are suspended, a harness-controlling mechanism comprising a vibrator lever the position of which depends on the position of the associated pick-reading needle relatively to the pattern-card, movable members inserted between each of the first mentioned levers and a vibrator lever for actuating this lever, said members being constructed and arranged in such a manner that said vibrator lever retains its position unaltered during a plurality of pick-reading actions giving the same position of the associated pick-reading needle relatively to the pattern-card.

2,136,766

THIRD RAIL

Albert R. Tegge, Bridgeport, Conn., assignor to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut
Application June 12, 1936, Serial No. 84,848
11 Claims. (Cl. 191—29)



1. A third rail, the individual sections of which comprise a contact rail which is channel-shaped in cross section and which is used with its open portion downward so that the top of the inverted channel is the contact surface for traverse by the collector shoes, a flexible conductor of high conductivity metal extending the length of the unit within said channel for carrying the power current for the rail, means for securing said conductor at intervals along its length to the channel, means for supporting said rails at intervals intermediate and at their ends comprising saddles supported on insulators, the sides of the rail channels resting on the saddles between the saddle-ends, adjacent rail ends at the joint therebetween being supported on the same saddle, covers for closing the open bottoms of the rail channels extending between adjacent saddles and having their ends supported thereby.

2,136,767

METHOD OF REFINING MINERAL OILS BY MEANS OF AROMATIC FLUORINE COMPOUNDS

Ernst Terres, Berlin, Germany, and Josef Moos, New York, and Hans Ramser, Long Island City, N. Y., assignors to Edeleanu Gesellschaft m. b. H., a corporation of Germany
No Drawing. Application October 25, 1937, Serial No. 170,973
16 Claims. (Cl. 196—13)

1. A method of refining a mineral oil comprising extracting the oil with a predominantly fluorine containing liquefied aromatic hydrocarbon compound at such temperature as to produce a separation into two phases respectively containing relatively paraffinic and non-paraffinic constituents, separating the phases from each other, and recovering the selective solvent therefrom.

2,136,768

COMBINATION BRASSIÈRE AND GIRDLE

Willie Lurline Willis and Pearl N. Young, Winston-Salem, N. C.
Application June 22, 1937, Serial No. 149,728
1 Claim. (Cl. 2—30)

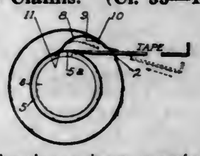
The combination of a brassière having bust-supporting pockets, shoulder straps, and end straps extending downwardly and rearwardly from the ends of the bust pockets; and a hip-encircling garment separate from the brassière, the brassière pockets being spaced above said garment and unconnected thereto at the front, the end straps being crossed at the back and being free from connection to each other to permit independent movement thereof, each end strap extending diagonally in substantially a straight line across the wearer's back, the lower ends of the end straps being connected to the upper part of the rear portion of the hip-encircling garment at spaced points located on opposite sides of the vertical center line of said garment and serving to elevate the bust-supporting pockets of the brassière.



2,136,769

TAPE MEASURE

Eugene J. Witchger, Saginaw, Mich., assignor to The Lufkin Rule Company, Saginaw, Mich., a corporation of Michigan
Application December 11, 1933, Serial No. 701,815
10 Claims. (Cl. 33—138)

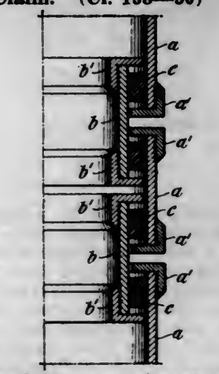


6. A casing having a tape opening in its peripheral wall, a flexible circular band of spring material within the casing, a portion of said band being bent outwardly from the circle of said band to the peripheral wall of the casing, and presenting at the bend an outwardly yieldable tape-deflecting shoulder, the end of said outwardly bent portion being fastened to the wall of the casing and adjacent the tape opening.

2,136,770

FLEXIBLE CONDUIT

Emil Witzenmann, Pforzheim, Germany
Application March 2, 1936, Serial No. 66,757
In Germany February 26, 1935
1 Claim. (Cl. 138—50)



A flexible conduit comprising a plurality of

tubular members jointed together, each joint consisting of a larger end portion of one member overlapping a smaller end portion of an adjacent member, radially overlapping flange members on said end portions, the flange member on each end member being spaced from the opposite end member to accommodate limited relative movement of the tubular members, a circumferential packing interposed between said end portions and confined between said flange members, the flange member on the larger end portion being detachable to facilitate renewal of the packing and said packing being freely movable bodily between said end portions and between said flange members.

2,136,771

RUBBER COMPOSITION AND METHOD OF COMPOUNDING RUBBER

Charles H. Campbell, Kent, Ohio

No Drawing. Application May 31, 1938, Serial No. 211,044

3 Claims. (Cl. 106—23)

1. A rubber composition comprising rubber having compounded with it soluble and diffusible cleavage products obtained by the hydrolytic decomposition of a mixture comprising the epidermis of hogs and such foreign matter as may be present after removal and separation of the hair or bristles from said epidermis, and which cleavage products are substantially short of amino-acids.

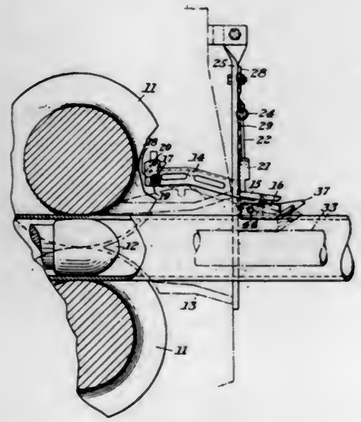
2,136,772

APPARATUS FOR WELDING

John W. Free, Aliquippa, Pa., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

Application December 9, 1936, Serial No. 114,969

6 Claims. (Cl. 78—83)



1. The combination with a pipe welding mill including spaced housings and rolls journaled therein, of a yoke extending between said housings and inwardly toward said rolls, said yoke being pivoted to said housings, and a shoe pivoted to said yoke substantially centrally thereof and adapted to ride on formed skelp advancing toward said rolls, said shoe having ports for discharging jets of gas in a direction generally circumferentially of said skelp.

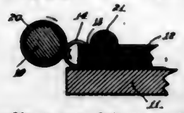
2,136,773

BOOKBINDING MACHINE

Atto N. Hanna, Newark, N. J., assignor to Parallex Corporation, Newark, N. J., a corporation of New Jersey

Application March 4, 1937, Serial No. 128,921

12 Claims. (Cl. 11—1)



3. A book binding machine embodying therein a shelf adapted to receive the collated leaves of a book, said leaves having a sequence of spaced openings adjacent one edge thereof, and a spirally wound wire engaged with some of the openings at one end of said leaves, a roller having a substantially continuous surface circumferentially and longitudinally thereof spaced above and from one edge of said shelf in clutching relation with the coils of said wire about their horizontal diameter, means for rotating said roller, whereby said wire will be rotated with said roller and succeeding portions thereof will be progressively brought within the influence of said roller, a presser bar movable toward and from said shelf and engageable with collated leaves adjacent the openings therethrough, whereby lifting of said leaves except adjacent said coil is prevented, and means for actuating said presser bar during the feeding of leaves in relation to said roller.

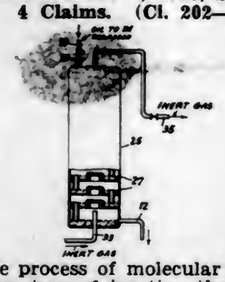
2,136,774

TREATMENT OF OILS

Kenneth C. D. Hickman, Rochester, N. Y., assignor, by mesne assignments, to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware

Application November 7, 1935, Serial No. 48,691

4 Claims. (Cl. 202—56)



1. In the process of molecular distillation the preliminary steps of treating the material prior to distillation which comprise introducing an inert gas or inert vapor of an easily volatilizable material into a natural glyceride oil at a temperature sufficiently low that the inert gas or vapor does not react with the oil in order to displace absorbed air and volatile materials and then subjecting said treated oil while in the form of a thin film to a vacuum of less than .1 mm. to remove the residual gases and odoriferous materials contained therein.

2,136,775

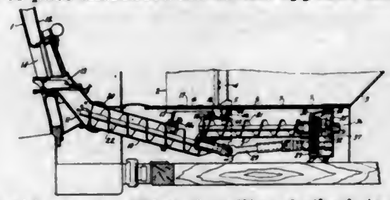
FUEL CONVEYING AND CRUSHING MECHANISM

John W. Myers, Roanoke, Va., assignor, by mesne assignments, to The Standard Stoker Company, Inc., a corporation of Delaware

Original application April 25, 1930, Serial No. 447,365. Divided and this application April 1, 1935, Serial No. 14,063

5 Claims. (Cl. 83—52)

5. In a stoking apparatus, the combination with a conduit and a conveyor for advancing coal therethrough, of crushing means disposed within said conduit having a plurality of arcuate shaped members extending transversely of the conduit above the conveyor, said members being in fixed relation with respect to each other and radially spaced one over and above the other to permit coal to pass therebetween to the opposite sides of



the said means, and a plurality of ribs integrally connecting said members, the upper of said members extending rearwardly into said conduit at least as far as the lower of said members and the distance between the upper and lower members being such that coal will pass therebetween of a size approximating the the maximum size of the coal passing beneath the lower member.

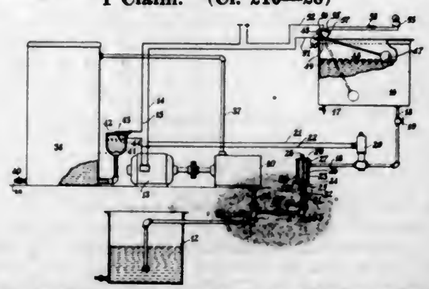
2,136,776

AUTOMATIC CHLORINATOR

Samuel J. Pugatz, Hurleyville, N. Y.

Application March 18, 1937, Serial No. 131,603

1 Claim. (Cl. 210—28)



In a chlorinating system, a chlorine solution tank, a source of raw water supply, a mixing chamber, an electric control valve controlling the amount of solution entering said mixing chamber, a reservoir, an electric pump for drawing chlorinated water from the mixing chamber into the reservoir, a level finding means in said tank and arranged to operate a switch, a switch mechanism operated by the pressure in said reservoir, and electric lines running through said reservoir switch, though said tank level finding switch, through said electric pump and through said electric control valve and so arranged that should either switch become disengaged the current in the line stops and the electric control valve stops the supply of chlorine solution to the mixing chamber and the pump becomes inoperative.

2,136,777

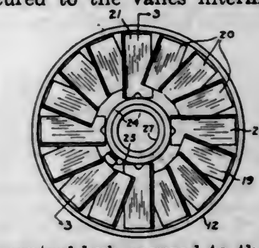
BURNER FOR PULVERIZED FUEL

L. V. Andrews, Worcester, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts

Application February 27, 1936, Serial No. 66,075

4 Claims. (Cl. 110—104)

4. A pulverized fuel burner comprising a cylindrical nozzle arranged to discharge a stream of pulverized fuel and air, a series of deflecting vanes mounted in substantially radial positions in the path of the fuel at the discharge end of the nozzle and shaped to whirl the fuel, the outer ends of the vanes being arranged in a circle and some of the vanes being longer than the others, a ring secured to the vanes intermediate their



lengths, a central hub secured to the inner ends of the longer vanes, and a support for said hub, the inner ends of the shorter vanes being spaced outwardly from the hub to provide a plurality of openings through which a substantial flow of fuel may take place during the burner operation.

2,136,778

UNDERCARRIAGE CONSTRUCTION FOR AIRCRAFT

Walfred Anttila, Oak Creek, Colo.

Application July 31, 1937, Serial No. 156,807

4 Claims. (Cl. 305—4)



1. In an under carriage for aircraft, a tractor element comprising a body member provided with an endless groove extending thereabout, a plurality of track sections arranged within said groove, each track section including a pair of opposed plates connected with the side walls of the groove and provided on their confronting sides with inwardly extending flanges spaced from the outer edges of the plates and forming rails, and an endless traction belt in the form of articulated traction plates, each having rollers mounted thereon and in riding contact with said rails, some of the rollers engaging the inner faces of the flanges, other of the rollers engaging the outer faces of the flanges and some of the rollers engaging the free edges of the flanges.

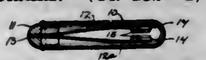
2,136,779

EYELASH DARKENER

Henry J. Bednar, Denver, Colo.

Application November 4, 1937, Serial No. 172,757

5 Claims. (Cl. 132—1)



1. A cosmetic appliance comprising in combination, two elongated resilient members, attached together at one end and normally divergent, an elongated box-like socket attached to the free end of each resilient member, the open sides facing each other, the sockets being arranged in opposed parallel relation.

2,136,780

DECORATIVE LIGHT ORNAMENT

Bernard Berwick, New York, N. Y.

Application April 29, 1936, Serial No. 76,895

2 Claims. (Cl. 240—103)

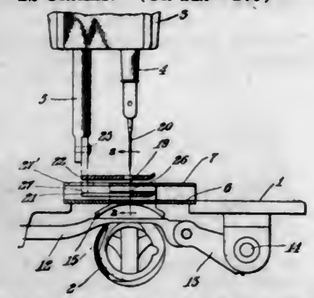
1. A decorative ornament for association with a light source comprising a hub portion having

an opening for the base of the light source and having a dull surface, and a reflector portion of selected outline defining a specific configuration, said reflector portion being of a size and



disposed at an angle relative to the light source whereby it is adapted to reflect less than a complete image of the light source to thereby provide the illusion of a luminous figure of said specific configuration.

2,136,781
OPEN STITCH SEWING MACHINE
Jacob Brussell, New York, N. Y., assignor to Isadore Friedman, Roselle, N. J.
Application August 13, 1937, Serial No. 158,869
12 Claims. (Cl. 112—179)



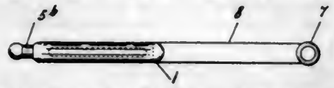
1. In a sewing machine, stitch forming mechanism, a plurality of needle plates in superposed relation having needle openings therein, a corresponding number of superposed feed dogs, openings in said plates for the reception of said dogs and means for simultaneously operating the same, a corresponding number of superposed presser feet having needle openings therein and means for simultaneously operating the same.

2,136,782
NONYELLOWING COMPOSITION
Edmond H. Bucy, Stamford, Conn., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 22, 1936, Serial No. 97,344
5 Claims. (Cl. 134—58)

1. A non-yellowing article of manufacture comprising a normally colorless or white pigmented material which develops a yellow color upon aging and intimately and homogeneously incorporated therewith substantially colorless molybdenum trioxide in an amount that is sufficient but not in excess of that required to counteract the yellow color developed by said material upon aging of the article, by the blue color developed by the molybdenum trioxide upon aging thereof.

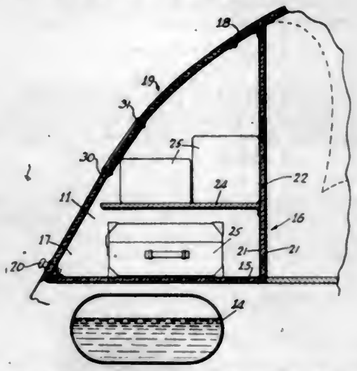
2,136,783
HAIR CURLER
Joseph Coggans and Robert Kelso, Glasgow, Scotland
Application May 25, 1938, Serial No. 210,033
In Great Britain July 2, 1937
2 Claims. (Cl. 132—44)

1. A hair curler comprising a relatively rigid rubber portion including a pair of normally parallel-extending limbs integrally joined at one end and defining between them an open-ended, hair-receiving slit, a two-part stud comprising halves each connected with the free end of one of said limbs by an integral neck of smaller cross-



sectional area, and a flexible rubber arm or strap integral with and extending from the end of the relatively rigid portion at which the pair of limbs is joined, the free end portion of said arm or strap having an opening engageable with said stud.

2,136,784
FIREPROOF STORAGE COMPARTMENT FOR VEHICLES
George Crommey, New York, N. Y.
Application January 8, 1938, Serial No. 184,073
1 Claim. (Cl. 296—37)

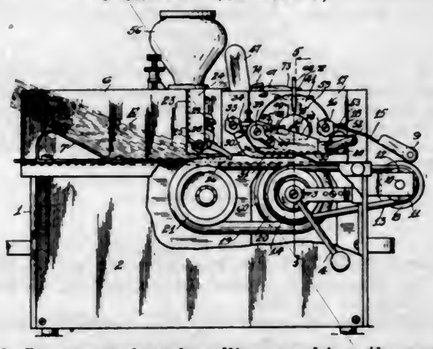


In a vehicle, a storage compartment at the rear end thereof characterized by bottom, rear and side walls and an inclined front wall, the latter having a hinged door, each of said walls and said door formed of inner and outer sheets of metal with a layer of fire resisting material intermediate said sheets, said door having an opening, a ring within said opening having an inwardly directed flange and an outwardly directed flange, the latter contracting the exposed surface of the outer sheet of metal of said door, a transparent panel of low fire resisting material resting on and coextensive with the inner surface of said ring and coplanar with said door and positioned in abutting relationship with respect to said inwardly directed flange, and means removably attached to said ring for holding said panel in place and permitting renewal thereof.

2,136,785
PROCESS FOR POLYMERIZING HYDROCARBONS
William N. Davis, Berkeley, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 9, 1936, Serial No. 67,920
4 Claims. (Cl. 196—10)

1. In a process for the catalytic polymerization of normally gaseous olefine hydrocarbons by means of a phosphoric acid-film catalyst the method of controlling the rate of polymerization at constant temperature and pressure without altering its nature or extent to maintain a constant product during changes in the time of reaction which comprises the step of regulating the humidity of the gas passing the catalyst in a ratio inverse to the rate of passage.

2,136,786
ENVELOPE HANDLING MACHINE
Edward J. Dummer, Rochester, and Ernest L. Pinder, Irondequoit, N. Y., assignors to Multipost Company, Rochester, N. Y., a corporation of New York
Application May 21, 1938, Serial No. 209,394
8 Claims. (Cl. 120—6)

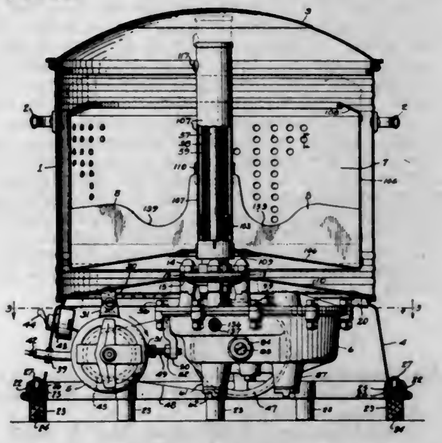


1. In an envelope handling machine, the combination with a runway adapted to conduct envelopes in a certain definite path of travel, of a flap sealing device operatively arranged in such path of travel but adapted to be raised to an inoperative position permitting the envelopes to pass between it and the runway, a shearing means for opening an envelope at its folded edge also operatively arranged in said same path of travel, and means connected with both the sealing device and the shearing means for rendering the latter inoperative when the sealing device is in its lowered operative position.

2,136,787
WASHING MACHINE
George W. Dunham, New Haven, Conn., assignor, by mesne assignments, to Winchester Repeating Arms Company, New Haven, Conn., a corporation of Maryland
Application September 25, 1928, Serial No. 308,316
12 Claims. (Cl. 68—23)

1. In a laundry machine, a support, a laundry receptacle thereon, agitator members disposed in said receptacle, means for imparting to said members an oscillatory motion in which the rates of acceleration and deceleration are equal and the stroke the same in both directions for washing, and means for imparting to said receptacle a rotary motion for centrifugal extraction, said oscillatory motion serving to assist materially in the the even distribution of clothes in said receptacle so that vibration during centrifugal extraction is minimized.

4. In a clothes washing machine, a tank, a clothes receptacle positioned in said tank, said clothes receptacle having an upstanding hub, a hollow pedestal rising from the bottom of said tank, said hub surrounding said pedestal, a plurality of shafts within said hollow pedestal, a gear box suspended from the bottom of said tank, gearing in said gear box for imparting to one of said shafts a continuous motion for centrifugal extraction, and to another of said shafts an oscillatory, rotary motion in which the rates of acceleration and deceleration are equal and the stroke the same in both directions, clutch means at the top of said hub for selectively connecting the receptacle to said shafts, and agitating blades fixedly mounted in said receptacle for aiding in agitating the clothes.



5. In a laundry machine, a tank having an opening in its bottom, a sleeve secured in said opening, a hollow pedestal rising from said sleeve, a gear box comprising a hollow body and a cover, said cover being suspended from said sleeve, a tubular shaft disposed in said gear box and in said pedestal, said shaft having a radial bearing at the upper end of said pedestal and a radial bearing in said cover, an inner shaft in said tubular shaft having a radial bearing at the upper end of said tubular shaft and a radial bearing in the lower part of said body, whereby each shaft has but two radial bearings, a clothes receptacle in said tank and means for imparting washing and drying motions to said receptacle through said shafts respectively.

7. In a washing machine, a tank, a laundry receptacle journalled in said tank, means for operating said receptacle including concentric shafts, both of said shafts extending above the highest possible liquid level in said tank, a gear box secured to said tank, both of said concentric shafts extending into said gear box to such an extent that, when the machine is inverted, oil in the gear box cannot run down between said concentric shafts, whereby the gear box is protected against water and the washing space is protected against oil.

9. In a machine of the class described, a tank having an opening in its bottom, a fitting secured in said opening, said fitting having spaced depending lugs, a gear box having spaced upstanding lugs disposed opposite said depending lugs, said lugs having interfitting recesses and projections whereby said upstanding lugs are centered with respect to said depending lugs, and means for securing said depending and upstanding lugs together.

10. In a portable washing machine of the type which may be lifted from place to place, a tank having an open top for the introduction and removal of clothes, an open top receptacle foraminous at least in its lower portion, agitator members in said receptacle and projecting partially into the clothes space thereof to assist in tumbling the clothes, a gear box containing gearing under said tank for driving said receptacle and agitator members, means for mounting said receptacle and

agitator members in said tank for rotation about a vertical axis, selective means connecting said gearing to said receptacle and agitator elements for imparting an oscillatory rotary motion to said agitator members for washing and for imparting a continuous rotary motion to said receptacle for drying, said receptacle being in close proximity to the tank bottom for washing and drying, said receptacle and its contents being immersed in liquid contained in said tank for washing and said tank being drained empty for drying, said tank being just deep enough to hold liquid for the washing operation and to catch liquid discharged from the clothes during the drying operation, said tank having a drain opening in its lower portion and having controllable means for draining the machine, supporting devices located under the tank for supporting the machine on a supporting surface with said gear box in close proximity to the tank bottom and to said supporting surface, whereby the weight of the machine and the head room required is minimized.

2,136,788

ART OF REFINING

Matthew Fairlie, Hammond, Ind., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

No Drawing. Application May 5, 1936, Serial No. 77,923

2 Claims. (Cl. 87—9)

1. A petroleum lubricating oil having a Saybolt Universal viscosity upwards of 50 seconds at 110° F. containing about 0.5% by weight of quinaldine to inhibit oxidation of the oil up to temperatures to which the oil will be raised during lubrication of an internal combustion engine.

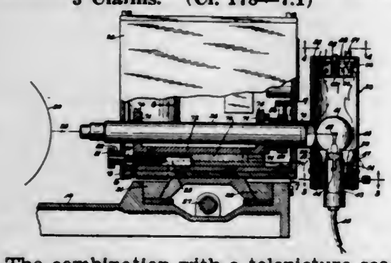
2,136,789

TELEPICTURE ELECTRO-OPTICAL SYSTEM

William G. H. Finch, New York, N. Y.

Application June 16, 1936, Serial No. 85,482

3 Claims. (Cl. 178—7.1)



1. The combination with a telepicture scanner housing a tubular lens system for focusing light rays upon a picture, and a photoelectric cell for receiving light refracted from the picture, of a separable, heatable source of light unit adapted to be adjustably attached to an end of said tubular lens system and external of said scanner whereby heat transfer between said heatable light unit and photoelectric cell is minimized.

2,136,790

ABSORPTION REFRIGERATION

Joseph Fleischer, East Alton, Ill., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application October 18, 1937, Serial No. 169,643

7 Claims. (Cl. 252—5)

1. A working fluid for absorption refrigerating machines, comprising as a refrigerant a member of the group consisting of ethers and esters, said compounds having a boiling point below 65° C., and as an absorbent a halogenated aliphatic hydrocarbon containing carbon, hydrogen and halogen and a $—CHX_2$ group (X representing a halogen atom), and having a boiling point above 100° C.

2,136,791

WORKING FLUID FOR ABSORPTION REFRIGERATING MACHINES

Joseph Fleischer, East Alton, Ill., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application October 18, 1937, Serial No. 169,644

8 Claims. (Cl. 252—5)

1. A working fluid for absorption refrigerating machines comprising as a refrigerant a member of the group consisting of ethers and esters, said compounds having a boiling point below 65° C., and as an absorbent a mixture of simple phenols having a freezing point below 25° C.

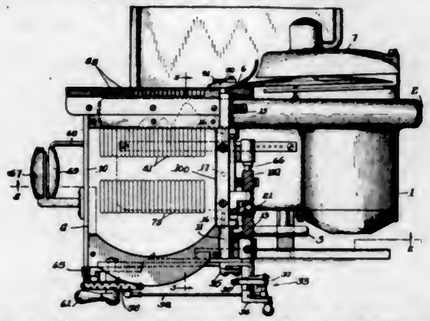
2,136,792

SLICING MACHINE

Joseph Folk, La Porte, Ind., assignor to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana

Application February 15, 1936, Serial No. 64,145

10 Claims. (Cl. 146—102)



1. A slicing machine comprising a stationary but rotatably mounted knife, a manually reciprocal carriage, a food table above the carriage, means for feeding substance on the food table toward the cutting plane of the knife and comprising a feed screw, means controlled by the position of the carriage to cause rotation of the feed screw, locking means for locking the carriage against forward movement but permitting free movement in a reverse direction, releasing means carried by the carriage for releasing said locking means, a manually controlled handle carried by the carriage for operating the releasing means, and a motor operatively connected to drive the knife.

2,136,793

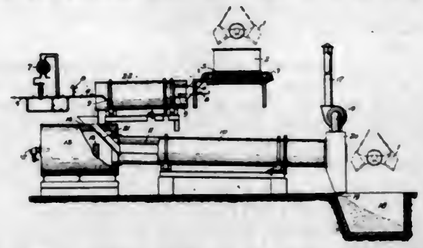
TREATMENT OF SUPERPHOSPHATE

William Harold Gabeler, Alvin Chesley Wilson, Thomas Orkney Tongue, and Mark Shoeld, Baltimore, Md., assignors, by mesne assignments, to The Davison Chemical Corporation, a corporation of Maryland

Application December 11, 1935, Serial No. 53,990

8 Claims. (Cl. 71—40)

1. A continuous process of manufacturing superphosphate to produce accelerated curing which comprises first preliminary conditioning a mass of superphosphate by tumbling the same in the presence of an aqueous medium in amount sufficient to cause nodulization and in a substantially non-drying atmosphere while moving in a continuous stream through a rotary container at atmospheric pressure until the mass is agglomerated to firm nodules and contains the aqueous medium distributed throughout the same to at least a stage at which there is a tendency to some coalescence of the agglomerated solid nodules as they issue from the conditioning step, so that the nodular mass passing thence directly into the drying step may retain a moisture content sufficient to inhibit reversion and promote accelerated curing in the drying step, and then directly thereafter heating the preliminarily conditioned material, while still in at least such wetted condition of tending to cause coalescence, in a drying atmosphere while tumbling the same at atmospheric pressure in a stream moving continuously through a rotary container until the product becomes dried and indurated nodules.



8. The process of granulating superphosphate which comprises adding water thereto in amount sufficient to produce approximately 11%–17% moisture in the resulting mixture, agitating the mixture to produce agglomeration, and then tumbling the resulting material in a heated rotary drum until dry hard granules are formed.

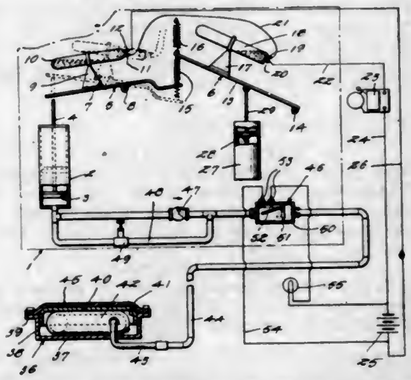
2,136,794

SIGNALING MECHANISM

William John Dick Harjes, Woodside, Long Island, N. Y.

Application March 11, 1937, Serial No. 130,365

7 Claims. (Cl. 200—34)



1. An electric circuit controlling mechanism, comprising a fluid pressure operated element, a pair of mercury switches adapted to be coupled in series relation in a circuit, a pivotal support for each switch, said supports being relatively arranged whereby one switch will be in circuit closing position while the other is in circuit open position, said fluid pressure operated means being disposed relative to the support for the switch which is normally in circuit open position whereby actuation of said means will rock the support and the switch to circuit closed position, and means coupling said pivoted supports whereby the support engaged by the fluid pressure operated means will effect the movement of the adjacent support to move the latter to circuit open position.

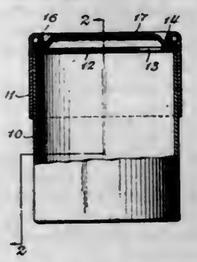
2,136,795

CONTAINER

Joseph C. Hoffman, Yonkers, N. Y., assignor to J. C. Hoffman, Inc., New York, N. Y., a corporation of New York

Application November 6, 1937, Serial No. 173,107

7 Claims. (Cl. 221—64)



1. A container comprising a cylindrical body having one end open, a cylindrical sleeve fitted over said body and fixed thereon against relative movement, said sleeve projecting axially beyond said open end of the body, an apertured disk fitted against relative movement interiorly of said sleeve and resting upon the open end of said body, an apertured closure in surface engagement with said disk and rotatable thereon, an internal annular bead at the outer end of said sleeve whereby said closure is maintained in place without interference with its rotation, and means on said closure for rotating the same to adjust its apertured portion into and out of registry with the apertured portion of said disk.

2,136,796

APPAREL BELT

Louis Krantz, New York, N. Y.

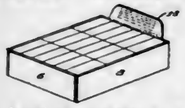
Application January 6, 1937, Serial No. 119,205

2 Claims. (Cl. 241—8)



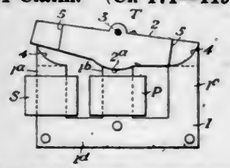
1. An apparel belt, comprising non-stretchable strap end portions and an intermediate longitudinally stretchable body section, means to affix said strap end portions in connected end to end relation to said body section, said body section being composed solely of a plurality of elastic rubber cords, each cord being enclosed in a tubular braided fabric sheath, said sheathed cords being arranged in strands composed of a plurality of contiguous cords and said strands being interwoven into a braided formation with the mutually engaged cross bights of said strands disposed in frictional contact and adapted to crowd together with increasing resistance to stretch as the body section elongates toward the limit of its elasticity, and means to releasably couple the free extremities of said strap end portions in joined relation.

2,136,797
DISPLAY BOX
Edwin A. Lee, Philadelphia, Pa., assignor to Lee Paper Box Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 3, 1938, Serial No. 193,633
8 Claims. (Cl. 206—44)



1. A display box comprising a bottom, front, side and rear walls, the latter having inner and outer flaps, a display pannel defined from the outer flap by a series of cuts extending therethrough, by weakened zones interposed between the cuts and by the fold between said flaps, the inner flap having an opening inwardly of the panel for the application of outwardly directed force to the latter to detach it from the outer flap at said weakened zones and bend it upwardly around said fold.

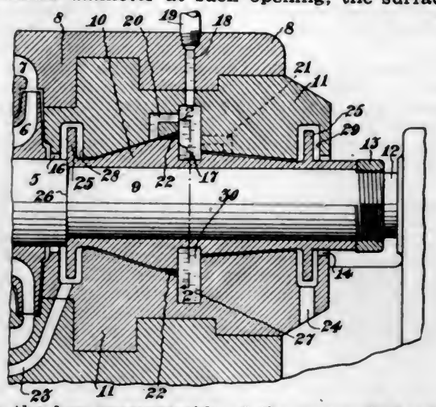
2,136,798
TRANSFORMER
Samuel M. Lucas, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 8, 1937, Serial No. 119,647
1 Claim. (Cl. 171—119)



A reactive transformer comprising a stationary core member provided with a middle and two outer vertically extending parallel legs connected together at their lower ends by a backstrap, said middle leg being provided at its upper end with a curved surface and said two outer legs each being provided at its upper end with a plurality of vertically extending spaced parallel tongues the upper surfaces of which slope downwardly and inwardly, a movable core member pivotally supported intermediate its ends directly above said middle leg for swinging movement toward one or the other of said outer legs, said movable core member being provided with a rounded depending portion which cooperates with the rounded upper end of said middle leg to provide a low reluctance connection between said middle leg and said movable core member in all positions of said movable core member, and said movable core member being further provided at each end with slots which cooperate with the tongues on the outer legs of said stationary core member, a primary winding on said middle leg, and a secondary winding on one of said outer legs.

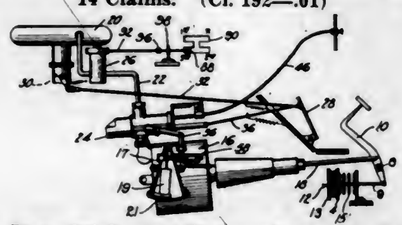
2,136,799
PUMP SEAL
John A. MacLean, Hampton, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application March 25, 1936, Serial No. 70,834
5 Claims. (Cl. 286—9)

1. In a sealing device for sealing between zones of high and low pressure along the shaft of a rotary pump or the like, a sleeve affixed to the shaft, a housing for the sleeve, a reservoir formed in the housing intermediate the ends thereof, conforming inclined surfaces on the sleeve and housing providing annular sealing spaces therebetween on both sides of the reservoir, each of said spaces opening into the reservoir and having greatest diameter at such opening, the surfaces



on the low pressure side of the reservoir having ing greater slope and mean diameter than the surfaces on the high pressure side, and means to convey sealing fluid to the reservoir for delivery to said spaces.

2,136,800
CLUTCH CONTROL MECHANISM
Henry J. De N. McCollum, Evanston, Ill.
Application October 11, 1935, Serial No. 44,522
14 Claims. (Cl. 192—.01)



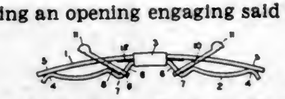
1. In a clutch operating mechanism including an accelerator controlled pressure differential operated motor operably connected with the clutch, a cut-out valve for said mechanism, and power means for operating said valve, said power means including vacuum operated means controlled in part by the transmission operating mechanism of the vehicle.

2,136,801
PRIMING MIXTURE
Joseph D. McNutt, New Haven, Conn., assignor to Winchester Repeating Arms Company, New Haven, Conn., a corporation of Maryland
No Drawing. Application December 7, 1936, Serial No. 114,641
11 Claims. (Cl. 52—3)

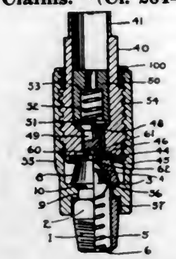
1. A priming mixture adapted to ignite a propellent charge comprising an initiator, a fuel, an oxidizing agent and lead hypophosphite.

2,136,802
COLLAR CLASP
Aurelius B. Moser, San Francisco, Calif.
Application April 14, 1937, Serial No. 136,827
3 Claims. (Cl. 24—81)

1. A clasp comprising a pair of spring closed jaws, one of which has an offset therein; a cam lever having an opening engaging said offset portion and a slot with an edge engaging said other jaw, whereby said jaws may be pried apart.

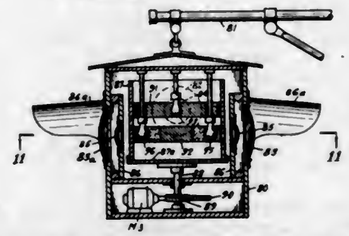


2,136,803
LUBRICATION APPARATUS AND THE LIKE
Morris Newmark and Elias Moss, New York, N. Y.
Application August 6, 1935, Serial No. 34,882
7 Claims. (Cl. 284—19)



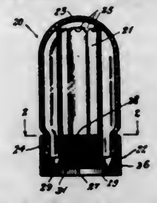
5. In apparatus of the character described, a nozzle and a receptacle, said nozzle comprising a part with a bore therethrough, an outwardly-closing valve in said bore, a sealing washer, means for coupling said part with said receptacle and for moving said part responsive to screw threads toward said receptacle with said washer interposed between said receptacle and said part, means for supporting said washer so that at least the center of said washer is movable relatively to said part, means interposed between said sealing washer and said valve for opening said valve responsive to pressure of said receptacle against said washer, and a stop rigid with respect to said part and arranged so that when said receptacle is moved toward said part in coupling said part with said receptacle said sealing washer is initially moved at least in the center thereof to open said valve and then is rigidly maintained with respect to said part on the surface thereof opposite to the surface thereof in contact with said receptacle.

2,136,804
TRAFFIC SIGNALING DEVICE
Henry Paul, Philadelphia, Pa.
Application November 13, 1935, Serial No. 49,445
5 Claims. (Cl. 116—63)



1. A traffic signal consisting of a casing provided with a number of pairs of opposite vertical sides, each side provided with an aperture and adapted to be directed toward a line of traffic to be controlled or regulated, a source of light disposed within said casing; a cylinder rotatably mounted within said casing and housing said source of light, said cylinder being provided with spaced circumferential bands, equal in number to the pairs of opposite vertical sides, each band being divided into a number of differently colored zones, each pair of opposite apertures being disposed at the level of one of said bands, and means to rotate said cylinder.

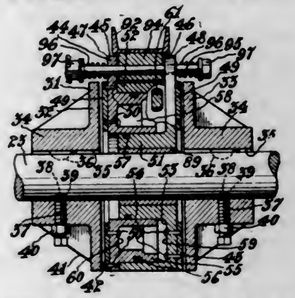
2,136,805
CONDIMENT DISPENSER
Rudolf Scharinger, Bridgeport, Conn.
Application October 27, 1936, Serial No. 107,767
18 Claims. (Cl. 65—45)



12. A condiment dispenser comprising a substantially spherical outer casing open at the bottom; a tubular receptacle in said casing having at its top end a continuous serrated edge engaging the inner surface of the casing; and means engaging the open bottom of the casing for supporting the receptacle in the casing in spaced relation with the inner side walls thereof, said means having a transversely extending wall provided with passages directly connecting the space between the casing and receptacle with the outer space surrounding the dispenser.

17. A condiment dispenser comprising a substantially bulbous outer casing closed at the top and open at the bottom; a tubular receptacle in said casing, open at the top adjacent the top of the casing, and having a closed bottom provided with a securing ring spaced therefrom and adapted to receive at one end the open bottom of the casing and support same to enclose the receptacle, and said bottom having a plurality of radial supporting ribs extending therefrom to said ring, each rib having a sharp upper dividing edge.

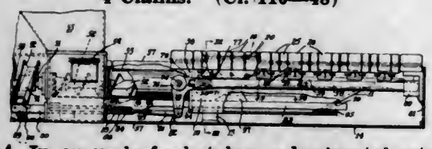
2,136,806
BRAKE MECHANISM
De Forest H. Seeley, Painted Post, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application November 17, 1937, Serial No. 175,025
2 Claims. (Cl. 188—152)



1. Brake mechanism, comprising a rotary member having a pair of braking surfaces, a pair of carriers between the braking surfaces, extensions on the carriers in telescopic engagement with each other to define a pressure chamber, friction members on the carriers to engage the braking surfaces, means for controlling the flow of

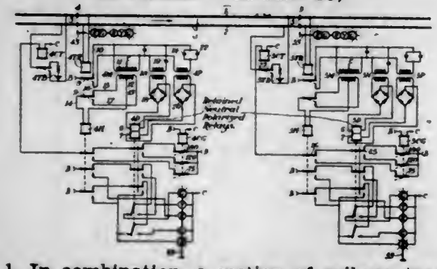
pressure fluid into and from the pressure chamber, stop means for the carriers, means extending through the carriers and the stop means to hold the carriers against rotary movement, and springs on the last mentioned means acting against the carriers to normally maintain the friction members out of engagement with the braking surfaces.

2,136,807
SIDE RETORT STOKER
John S. Skelly, Monongahela, Pa.
Application December 17, 1934, Serial No. 757,777
4 Claims. (Cl. 110—48)



4. In an underfeed stoker, a horizontal retort, tuyère blocks on at least one side of the retort with certain of the same mounted for reciprocation toward and from the retort, a screw conveyor for feeding fuel into the retort, a rotatable power shaft to which said conveyor is coupled, an agitator and fuel feeder mounted for reciprocation within and longitudinally of the retort adjacent its bottom, a cam wheel carried by said power shaft, a connecting rod reciprocated by said cam wheel and coupled to said agitator and fuel feeder and means also coupled to said connecting rod for oscillating said rock shaft.

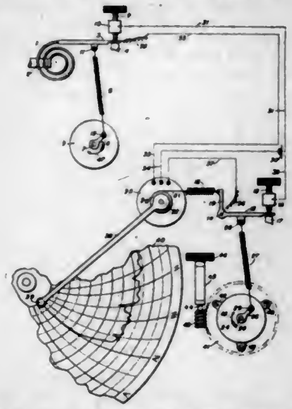
2,136,808
RAILWAY TRAFFIC CONTROLLING APPARATUS
Crawford E. Staples, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application April 3, 1937, Serial No. 134,796
15 Claims. (Cl. 246—38)



1. In combination, a section of railway track, a polarized relay having two windings, means for selectively energizing said two windings in accordance with traffic conditions in advance of said section, a polar armature of said polarized relay which is caused to assume one condition or another condition depending upon which winding is energized, a neutral armature of said polarized relay which becomes picked up when either winding is energized and which remains picked up during periods of change in the condition of said polar armature, and a signal controlled by said neutral and polar armatures.

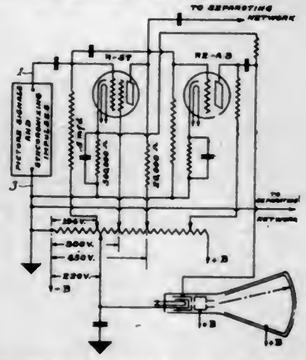
2,136,809
PRESSURE MEASURING MEANS
Fritz Frederick Uehling, Passaic, N. J.
Application October 29, 1935, Serial No. 47,290
9 Claims. (Cl. 177—351)

1. In receiver apparatus for electrical impulses of variable duration transmitted through an electric circuit connected with said apparatus: the combination with a movably mounted member, a fixed contact member adapted to be engaged by said movable contact member, together with means to apply to the latter a force, and a second electric circuit including said contact members and a source of electricity, together with electrical means included in the said second electric circuit and controlled by the action of said contact mem-



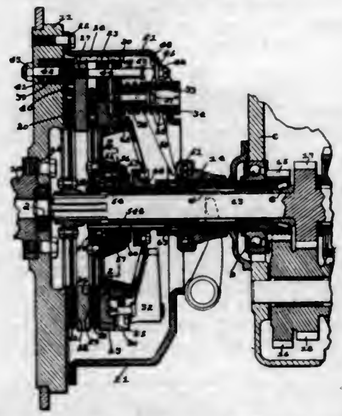
bers to vary in one sense the force applied to the movable contact member thereof; of electrical means energized by the impulses of variable duration to vary in the opposite sense the force applied to said movable contact member, additional means to apply to the latter member a force, and electrically operated means acting on said additional means for cyclically varying the magnitude of the force applied thereby.

2,136,810
TELEVISION SYSTEM
Arthur W. Vance, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application June 28, 1934, Serial No. 732,747
2 Claims. (Cl. 178—7.5)



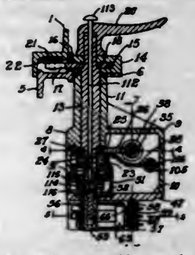
1. In a television system of the type wherein an area is scanned to develop picture signals and wherein synchronizing impulses are developed periodically, said impulses having a predetermined fixed amplitude with respect to a picture signal representing black, a receiver comprising an electric discharge tube having a cathode, a control element, and an anode, a potential source, a connection including a self-bias resistor between said cathode and said source, said resistor having a magnitude at least of the order of 50,000 ohms, a connection between said control element and a point on said source which is positive with respect to the point to which said cathode is connected, a condenser connected in shunt to said self-bias resistor, a connection between said anode and a point on said source also positive with respect to the point thereon to which said cathode is connected, means for impressing said picture signals and said synchronizing impulses upon said control element with said impulses of positive polarity whereby there appears across said resistor a voltage having a magnitude which varies in accordance with the amplitude of said synchronizing impulses, said self-bias resistor and shunting condenser having a time constant such that the condenser loses only a small percentage of its charge between synchronizing impulses, a cathode ray tube having a cathode and a control element, and a direct-current connection from said cathode ray tube control element to said cathode ray tube cathode, said direct-current connection including at least a portion of said self-bias resistor whereby the bias on the control element of said cathode ray tube varies in accordance with variations in the amplitude of said synchronizing impulses.

2,136,811
MULTICLUTCH MECHANISM
Everett R. Burtnett, Los Angeles, Calif., assignor to Automotive Improvement Patents Corporation, Los Angeles, Calif.
Application August 11, 1936, Serial No. 95,358
13 Claims. (Cl. 192—48)



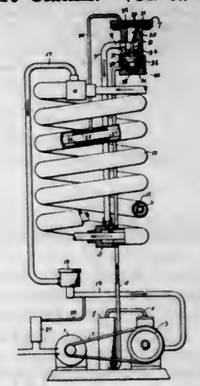
1. In combination, a plurality of concentric and relatively rotatable power transmitting members one for low speed ratio and another for high speed ratio of drive, a common drive member in axial alignment with said plurality of concentric members, and speed responsive automatic clutch mechanism responsive to the speed of said drive member for accumulatively coupling first one and then the other of said plurality of concentric members to be directly driven from said drive member, the low speed clutch unit of said clutch mechanism provided with an overrunning clutch whereby the high speed clutch unit of said clutch mechanism may be accumulatively engaged while the low speed connection remains mobilized to take the load, and means under control of the operator for optionally preventing engagement of the high speed unit of said clutch mechanism or for retracting same from engagement once engaged and for subsequently effecting a positive two-way drive between the low speed concentric member and said drive member, said optional two-way drive means including a pair of frictionally-engaging elements normally disengaged but engageable to circumvent the said overrunning clutch with a positive drive.

2,136,812
AUTOMATIC MEANS FOR OPERATING CASEMENT WINDOWS AND THE LIKE
Ralph W. Carnahan, near Dayton, Ohio, assignor to The S. H. Thomson Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application June 26, 1935, Serial No. 28,548
6 Claims. (Cl. 268—117)



1. The combination with a stationary window frame, a casement hingedly mounted therein for an outswinging movement, a housing connected to said frame, a vertical shaft rotatable in said housing, a connection between said shaft and the casement to swing the latter outwardly and inwardly when the shaft is rotated, a sleeve fixedly connected to said shaft, teeth on said sleeve, a second sleeve loosely fitted on said shaft, teeth on the second sleeve adapted to engage the teeth on the first sleeve to rotate the shaft to swing said casement outwardly, a motor connected to the second sleeve to rotate it in either direction, and a coil spring surrounding both sleeves and connected at one end to the first sleeve and at its other end to the second sleeve to provide a flexible driving connection between said sleeves when the motor is operated to rotate the second sleeve in a reverse direction to swing the casement inwardly to a closed position.

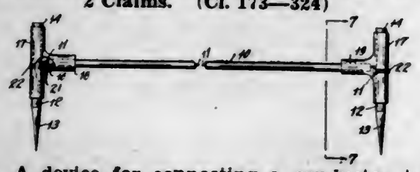
2,136,813
LIQUID COOLER CONTROL
Dewey H. Dolison, Mount Vernon, Ohio
Application September 12, 1935, Serial No. 40,238
10 Claims. (Cl. 62—7)



1. A liquid cooler comprising an outer conduit

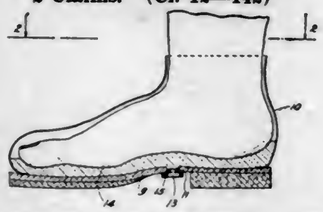
having an inlet end and an outlet end, pipe means arranged within said conduit and extending through the same substantially from end to end and having outlet means at the inlet end of said conduit, and a thermostatic control device arranged within said conduit; said device comprising a sleeve substantially enveloping a portion of said pipe means and cooperating therewith to form a fluidtight chamber having one wall subjected to the temperature of fluid passing through said conduit, and a capillary tube communicating with the interior of said chamber and passing through said conduit to the exterior thereof.

2,136,814
BATTERY CONNECTER
Alfred A. Flynn, Cleveland Heights, Ohio, assignor to Mueller Electric Company, Cleveland, Ohio, a partnership composed of Ralph S. Mueller, Maude K. Mueller, Virginia de Coningh, and Scott Mueller
Application October 15, 1937, Serial No. 169,159
2 Claims. (Cl. 173—324)



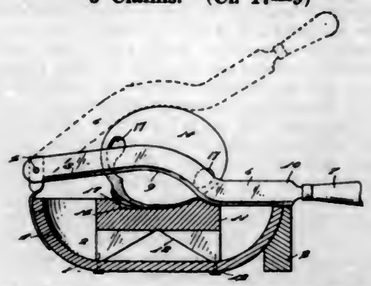
1. A device for connecting a conductor to a lead terminal comprising a pin provided with a sharpened end adapted to be driven into the terminal and a housing for said pin and for an end of the conductor and comprising a sheet metal stamping having a trough-shaped portion receiving said pin with the sharpened end thereof projecting therefrom, and trough-like arms projecting angularly from said portion intermediate the ends thereof, said portion being provided with an integral punched out strip extending transversely of the portion adjacent to the junction of said arms therewith and forming an eyelet through which said pin extends and adapted to have the bared end of said conductor pass through it between said strip and said pin, said portion in use being clamped around said pin and said arms being adapted to be clamped around the end of said conductor.

2,136,815
ORTHOPEDIC BOOT OR SHOE
August Förster and Ludwig Ruckert, Wurzburg, Germany
Application March 14, 1936, Serial No. 68,913
In Germany April 15, 1935
2 Claims. (Cl. 12—142)



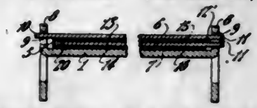
1. The method of manufacturing orthopedic boots or shoes which includes the steps of covering the inner sole of a shoe with a plastic mass capable of ready solidification, shaping the plastic mass to the contour of the sole of a human foot and impressing said contour therein by subjecting the plastic mass to said foot, walking upon the mass thus extruding excess portions thereof through vents extending through the soles of said shoes, then permitting the mass to harden in the form impressed thereon while in contact with said foot.

2,136,816
CLAM OPENER
William G. Frazier, Philadelphia, Pa.
Application September 4, 1937, Serial No. 162,412
3 Claims. (Cl. 17—9)



1. A clam opener, comprising a base, a clam support carried by the base, and a knife movably mounted and having an outwardly deflected blade portion to clear the body portion and heart of the clam as the knife cuts the adductor muscles of the clam.

2,136,817
TRANSFER SHEET HOLDER
Edward Hano, Holyoke, Mass.
Application January 30, 1937, Serial No. 123,251
8 Claims. (Cl. 282—3)



5. In combination, in an autographic register device for use with zig-zag folded forms, a writing plate provided with upwardly extending oppositely disposed apertured ears, a transfer sheet holder comprising a blade of spring metal, a second blade superposed on the first-named blade and longer than the first-named blade, said first and second blades being spaced from each other and fixedly secured together at one end, said second blade being removably secured in said ears.

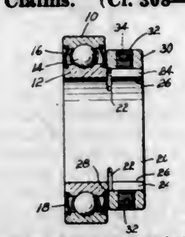
2,136,818
CHAIN OR LINKAGE
Charles H. Kestenman, Providence, R. I., assignor to Kestenman Bros. Mfg. Co., Providence, R. I., a corporation of Rhode Island
Application April 6, 1938, Serial No. 200,397
10 Claims. (Cl. 59—80)



10. A hollow link for bracelets, chains and the like comprising a body-member having a top wall with sides depending therefrom and extensions of its top wall inclined downwardly therefrom at a relatively sharp angle to provide shoulders, said extensions being bent around to form loops at the end of the body-member; and an inner member having a bottom and upwardly-projecting side and end walls, said inner member

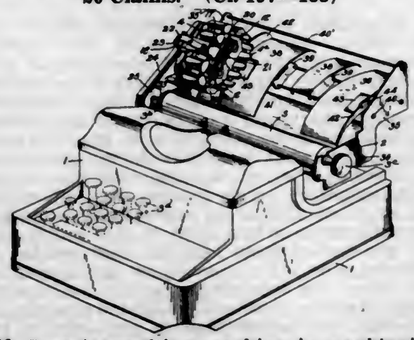
being retained in position within the body-member by portions of the side walls thereof folded across its under side and by the shoulders between the top wall and its inclined extensions abutting the edges of the end walls of the inner member to hold it against longitudinal movement in the body-member.

2,136,819
ANTIFRICTION BEARING
Samuel R. Large, Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 29, 1936, Serial No. 77,000
10 Claims. (Cl. 308—236)



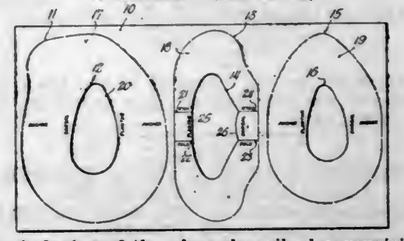
1. In a unit-handling antifriction bearing and securing means, a race ring adapted for connection to a supporting member, the race ring having a displaceable end portion separated axially from the body of the ring by an arcuate slot extending angularly of the ring and through its radial thickness at a location between its ends, and means engaging the displaceable portion for forcing it against the supporting member; substantially as described.

2,136,820
TYPEWRITING MACHINE
Carl R. Mabon, Niagara Falls, N. Y., assignor to Gilman Fanfold Corporation, Niagara Falls, N. Y., a corporation of Delaware
Application September 12, 1936, Serial No. 100,521
20 Claims. (Cl. 197—133)



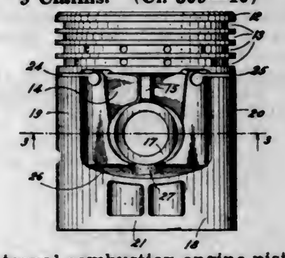
20. In a typewriting machine in combination, strip feeding mechanism including a traveling flexible feed element and strip engaging feed pins mounted thereon for feeding the strip, rotary supporting and driving members for said flexible feed element, short supporting shafts for said supporting members positioned adjacent to one longitudinal edge of the strip path and terminating at their inner ends short of the opposite longitudinal edge of the strip path, bearings for said shafts at spaced parts thereof, and a supporting bracket for said feeding mechanism connected to the machine and positioned intermediate said bearings.

2,136,821
IMPRESSION TRAY
Edward C. Meldman, Milwaukee, Wis.
Application January 27, 1937, Serial No. 122,553
3 Claims. (Cl. 18—5)



1. A device of the class described comprising a tray having a central elongated egg-shaped opening, one side of the formation surrounding said opening having a relatively greater curvature adapted for application against the dorsal surface of the foot with the opposite side of said opening having an edge adapted for placement against the plantar surface of the foot.

2,136,822
PISTON
George L. Moore, Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 8, 1936, Serial No. 78,609
9 Claims. (Cl. 309—10)



1. An internal combustion engine piston adapted to reciprocate within an engine cylinder including a head and skirt integrally formed of light metal alloy, said skirt including opposed thrust faces separated at their upper edges from the head and supported at their sides from the head, aligned wrist pin bosses disposed on opposite sides of the piston between said thrust faces, said thrust faces having an oval cross sectional contour with the major axis perpendicular to the axis of said wrist pin bosses, said skirt being of the single walled type through the thrust face area and free interiorly of restraining ties and having such a degree of flexibility as to be flexed into conformity with the engine cylinder wall under lateral thrust and to transmit the major portion of such lateral thrust to the cylinder wall solely by circumferential compression of said thrust faces against the cylinder wall.

2,136,823
PROTECTED BLADE
Melbourne H. Pierce, Watertown, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application October 1, 1936, Serial No. 103,537
3 Claims. (Cl. 206—46)

1. A safety razor blade having shoulders and unsharpened end portions projecting beyond the shoulders, in combination with a protecting cover

having end tabs folded over the ends of the blade, and tongues bounded by slits separated by



the width of the end portions of the blade and folded over the shoulders on lines within the fold lines of the tabs.

2,136,824

SMOKER'S PIPE AND CIGAR HOLDER

Samuel Rabkin, Cincinnati, Ohio

Application December 3, 1936, Serial No. 114,033

1 Claim. (Cl. 131—229)



A stem for a smoker's pipe or cigar holder, comprising a hollow tube, a member projecting upwardly from the upper surface of said tube, a hood projecting outwardly from the top and sides of said upwardly projecting member, and one or more downwardly projecting spurs at the same end of the tube as the hood.

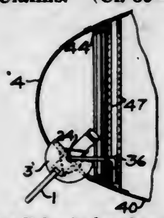
2,136,825

AIRCRAFT GUN MOUNT SUPPORTED INDEPENDENTLY OF ENCLOSURES THEREFOR

John C. Sanders, Seattle, Wash., assignor to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington

Original application October 7, 1934, Serial No. 749,040. Divided and this application December 21, 1936, Serial No. 116,917

14 Claims. (Cl. 89—37.5)



1. In an aircraft body having an opening therein, a substantially hemispherical shell closing such opening and having a great circle slot bisecting such shell and extending substantially to the shell base at each end, means supporting said shell directly from the aircraft body and guiding it for rotation through a complete circle with respect thereto about an axis through the center of its base, a bracket supported from the aircraft structure independently of said shell and shell supporting means, and a gun mount supported by said bracket for movement of a gun supported thereby along said slot and with respect to said bracket in every rotative position of said shell.

2,136,826

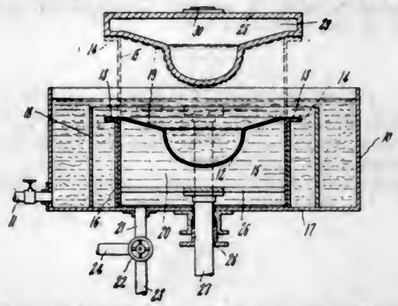
MANUFACTURE OF MOLDED BINDER-REINFORCED FIBER ARTICLES OF PLIANT CHARACTER

Milton O. Schur, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine

Application September 4, 1935, Serial No. 39,107

3 Claims. (Cl. 2—192)

1. A method of making a seamless, molded, binder-reinforced, waterlaid fiber article which comprises depositing fiber and an elastic binder from aqueous suspension into approximate article shape on a porous mold, compacting the article to remove free water therefrom and dewater-



ing it to self-sustaining condition on said mold, removing the dried article from said mold, rewetting and stretching the article in rewetted condition to its final shape on another mold, and redrying the article on said other mold, thereby causing it to shrink against said other mold.

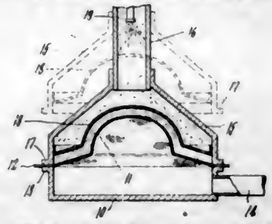
2,136,827

MANUFACTURE OF MOLDED, BINDER-REINFORCED, AIRLAID FIBER ARTICLES

Milton O. Schur, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine

Application October 8, 1935, Serial No. 44,015

3 Claims. (Cl. 2—192)



1. A method of making a molded fibrous article, which comprises depositing short-fibered raw material of the nature of wood pulp as substantially individualized fiber units from suspension in air onto a hollow foraminous mold under internal suction to form on said mold said article as a molded fibrous structure of much greater thickness than that desired in the finished structure; placing the hollow mold and the molded fibrous structure carried thereby on a supporting form whose configuration corresponds essentially to the internal configuration of said mold; and, while the hollow mold carrying said molded fibrous structure is thus placed on said supporting form, bringing a compressive form of appropriate configuration to bear with sufficient pressure on said structure to compress it markedly to the thickness desired in the finished structure and thereby to impart thereto sufficient tenacity to enable it to be removed from said mold and handled without injury.

2,136,828

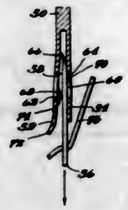
PILE FABRIC MANUFACTURE

Albert John Signoret, New York, N. Y., assignor to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia

Application August 14, 1935, Serial No. 36,109

15 Claims. (Cl. 139—4)

1. A knotting device for applying tuft threads to a pile fabric comprising a forked body member and a separate guide member having thread engaging means at its outer free end and a thread guiding portion at its inner end positioned within said forked body member and carried thereby, and complementary means on said guide member and said body member adapted when



interengaged to maintain said guide member in place within said body member and yet when separated to permit the passage of a thread between said two members, and said complementary means constituting the sole means of support of said guide member.

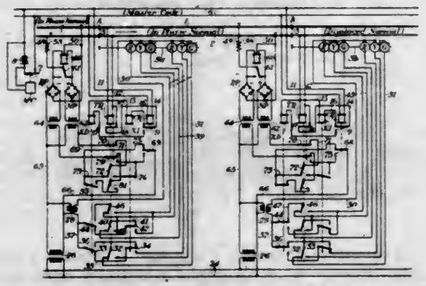
2,136,829

RAILWAY TRAFFIC CONTROLLING APPARATUS

Howard A. Thompson, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application September 24, 1937, Serial No. 165,458

21 Claims. (Cl. 246—38)



3. In combination, a forward and a rear section of railway track, a master circuit separate from the track rails and supplied with continuously recurring pulses of energization spaced to constitute a master code, a code-following relay located at the entrance end of said forward track section and connected with said circuit to receive operating energy therefrom, means for selectively supplying the rails of said forward section with coded energizing pulses which are in phase with those of said master code and of either normal or reversed polarity or which are displaced from those of said master code and of either normal or reversed polarity, a track relay connected with said rails at the entrance end of said forward section and adapted to respond to coded energy received therefrom and to distinguish the polarity of said energy, a pair of auxiliary relays also at the entrance end of the forward section energized from said forward section rails over circuits controlled by said code-following relay and arranged selectively to respond to rail energy of the said in-phase codes and of the said displaced codes, and means including a coding contact of said code-following relay and code-selecting contacts of said track and auxiliary relays for supplying the rails of said rear section of track with energy of one or another of the four trackway codes above named.

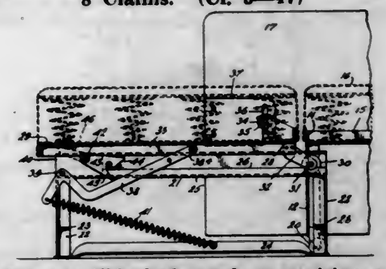
2,136,830

CONVERTIBLE BED COUCH

Joseph M. Vallone, Buffalo, N. Y., assignor to Barcalo Manufacturing Company, Buffalo, N. Y.

Application May 25, 1937, Serial No. 144,661

8 Claims. (Cl. 5—47)



7. A convertible bed couch comprising a stationary back-supporting frame having horizontal end guide rails, a seat, a frame movable forwardly and rearwardly of said stationary frame and supporting said seat over the stationary frame, a back having supporting rollers arranged to travel on said guide rails and having vertically movable pivot connections with said movable frame, and a lever fulcrumed on said stationary frame and connected to said back, whereby rearward and downward movement of the upper portion of the back moves said movable frame forwardly and lowers the back to a horizontal position in rear of the couch seat.

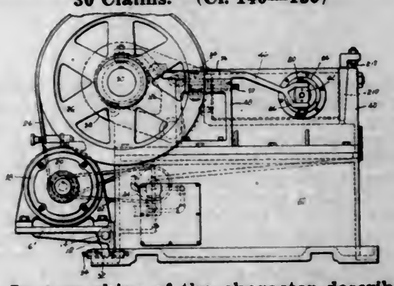
2,136,831

SHEARING MECHANISM AND METHOD

Albert Vuilleumier, Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application September 15, 1936, Serial No. 100,906

30 Claims. (Cl. 140—130)



1. In a machine of the character described, a pair of gripping dies adapted to grip a length of wire or the like, a pair of shearing dies alongside of the gripping dies, means for closing the shearing dies to grip another length of the wire, and means for shifting the closed shearing dies transversely of the wire for only a portion of the transverse dimension thereof to cut off said other length of wire by combined shear and fracture while the first length remains fixed in its gripped position; substantially as described.

2,136 832

FOOT INSPECTION AND RECORDING DEVICE

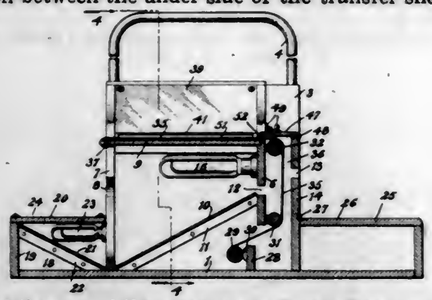
Dave Weisberger, New York, N. Y.

Application December 14, 1937, Serial No. 179,721

2 Claims. (Cl. 128—22)

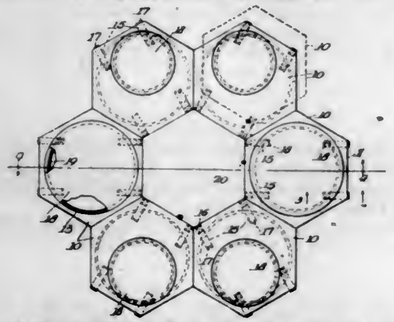
2. A device of the character described comprising, a cabinet having a glass top upon which a

person stands to make a foot impression, a transfer sheet adapted to be drawn across the top of the glass top, a paper sheet adapted for disposition between the under side of the transfer sheet



and the top of the glass, an inclined glass mirror within the cabinet below the glass top, and another mirror forward of the first mirror and inclining upward from the lower end of the same.

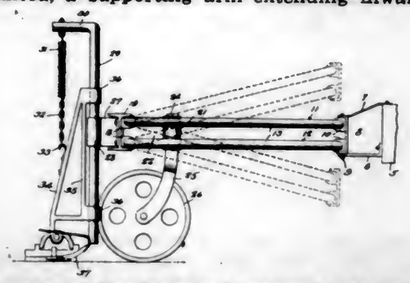
2,136,833
STAGE CONSTRUCTION FOR THEATERS AND THE LIKE
Graeme E. Young, Deerfield, Ill.
Application May 22, 1937, Serial No. 144,245
6 Claims. (Cl. 20—1.123)



1. A stage of the character described embodying a stationary platform, a plurality of sections angular in cross-section encompassing said platform and arranged in side by side relation, extended portions of the peripheries of each of said sections abutting the periphery of said platform, other extended portions of the peripheries of the sections abutting the peripheries of the next adjacent sections, said sections when in assembled relation forming a substantially uninterrupted supporting surface about said platform, means mounting said sections for bodily adjustment with respect to each other and radially towards and away from said stationary platform, and out of and back again into side by side contacting relation with each other, means for limiting such radial adjustment and for maintaining said sections in fixed relation with respect to each other, and means also mounting said sections for rotation about vertical axes when the sections are out of contacting side by side relation, whereby to position the moved section in a different side by side relation to an adjoining section.

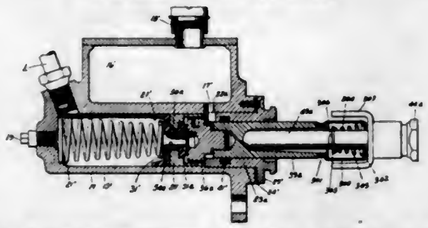
2,136,834
TRACTOR HITCH
Paul R. Baird, Blythe, Calif.
Application May 3, 1938, Serial No. 205,843
4 Claims. (Cl. 56—25)

1. A tractor hitch comprising a frame including spaced upper and lower side rods having inwardly extended ends, a bar adapted to be secured to the tractor, a bar adapted to be secured to the machine pulled by the tractor, pairs of spaced upper and lower bearings in which the inwardly extended ends of the side rods are pivotally mounted, a supporting arm extending inwardly



from one of the bars and having a bearing, a supporting wheel having a shaft fitted within the latter bearing, and a frame supported by one of the bars and providing a connecting means to connect the tractor hitch with the machine being pulled.

2,136,835
HYDRAULIC BRAKE SYSTEM
Russell S. Begg, Cleveland Heights, Ohio, assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Application March 21, 1935, Serial No. 12,123
6 Claims. (Cl. 60—54.6)

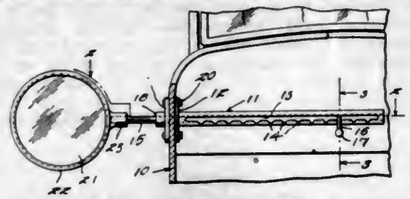


1. A master pressure cylinder, a piston reciprocable therein and having a normally open fluid passage extending axially through its forward and rear faces, a cup packing for the forward face of the piston having a skirt engaging the cylinder wall and a tubular extension extending through said passage and terminating in a flange engaging the rear face of the piston to form a valve seat, a valve head by which the piston is moved forwardly and which engages said valve seat to close said passage through the piston during its forward movement, and reservoir means connected to deliver liquid at all times to the cylinder behind the piston.

2,136,836
REAR VIEW MIRROR
Harley L. Bernard, Quincy, Mo.
Application August 28, 1937, Serial No. 161,517
1 Claim. (Cl. 248—298)

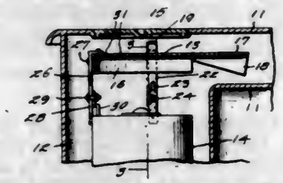
A rear vision mirror supporting structure, comprising a tubular housing formed with an elongated slot in one wall in which are a plurality of notches, said housing being formed at one end with a flange, a tubular flanged bushing adapted to register with the bore of said housing, bolts passing thru the flanges of the bushing and the housing and adapted to fasten the bushing and housing to the side wall of a motor vehicle on opposite faces thereof, a mirror supporting rod

passing thru said bushing and into the housing for rotative and longitudinal movement therein, and an operating lever receivable in said slot and



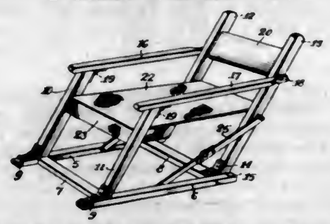
adapted to rest in a selected notch thereof, said operating lever being threadably engaged at one end with the inner end of said rod.

2,136,837
HEAT DEFLECTOR
Julien Bissonnette, Manchester, N. H.
Application April 29, 1938, Serial No. 205,077
1 Claim. (Cl. 126—44)



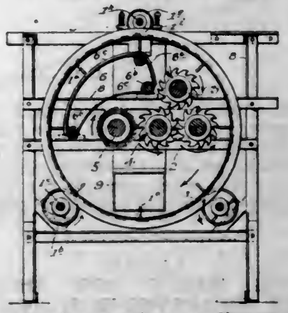
In a cooking stove, a burner, a lid above the burner, an oven disposed laterally of the lid and laterally of the burner, a flanged disc forming a heat deflector disposed below the lid of substantially the same diameter as the lid, adjustable bracket arms connected to the deflector and to the burner for adjusting the vertical height of the deflector from the burner, and a hood projecting from one side of the deflector and extending beyond the lid to overlap the top of the oven and direct heated air from the burner to the top of the oven.

2,136,838
COLLAPSIBLE CHAIR
Leonard Bosschieter, Prospect Park, N. J.
Application January 7, 1936, Serial No. 58,002
1 Claim. (Cl. 155—141)



A collapsible chair comprising a supporting base consisting of interconnected members presenting flat bottom surfaces, front and rear upright members having their lower extremities hingedly connected with said base, arm rest members hingedly connected with the upper extremities of said front upright members respectively and pivotally connected with said rear upright members on the outside thereof, and a seat supported by said front and rear upright members, the upper and lower ends of said front upright members being beveled so as to cooperate with said base and arm rest members whereby to set up the chair for use.

2,136,839
METHOD AND APPARATUS FOR OPENING, CARDING, AND CLEANING FIBROUS MATERIAL
Russell Lee Brown, Lowell, Mass., assignor to California Process Company, Los Angeles, Calif., a corporation of Nevada
Application September 29, 1936, Serial No. 103,164
17 Claims. (Cl. 19—90)



1. Apparatus for opening, carding and cleaning fibrous material; comprising a rotatable screen, and fibre carding means in the screen including rotating elements with different peripheral speeds and adapted to repeatedly operate upon the fibres elevated by the screen.

2,136,840
ELECTROTYPE PLATE AND METHOD FOR MAKING THE SAME
Rowland Buckler, Chicago, Ill.
Application October 5, 1935, Serial No. 43,792
Renewed April 11, 1938
12 Claims. (Cl. 22—209)

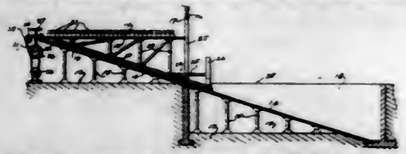


2. A mold for casting molten metal, said mold being closed at the top and sides and open at both ends, one end being normally positioned on a lower plane than the other end, said molds being adapted to be tilted gradually to position both ends on the same horizontal plane, means for continuously supplying molten metal to said lower end during the entire tilting operation to cause said metal to rise progressively in said mold to fill the same, and an open extension on said second named end of said mold, said extension being positioned above the plane of said mold.

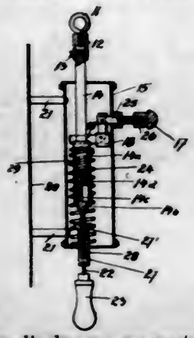
2,136,841
ANTIPANIC THEATER AND THE LIKE
August B. Christensen, Hellertown, Pa.
Application November 23, 1937, Serial No. 176,115
2 Claims. (Cl. 20—1.12)

1. A structure of the character described comprising a building structure having a space therewithin to accommodate a floor deck and including a wall having an opening therethrough extending above and below the deck, a pit exteriorly of the building, an inclined trackway mounted within the building below the deck space inclined downwardly from the side of said space opposite

the said opening and extending through the opening into the pit, said pit being of a width equal at least to the width of the deck space, a carriage on the trackway, said carriage including support means decreasing in height progressively in the direction of the pit, a floor deck carried by the support means at a level to register with the upper edge of the pit when the carriage is moved thereinto, means to control movement of the carriage on the trackway, and means to move the carriage from without the building on said trackway to normal operative position.



2,136,842
ACTUATING MEANS FOR SIPHON-DISCHARGE APPARATUS IN WATER FLUSHING INSTALLATIONS
Georg Denner, Vienna, Germany
Application March 17, 1937, Serial No. 131,517. Renewed October 8, 1938. In Austria March 20, 1936
7 Claims. (Cl. 4—50)



1. In a siphon-discharge apparatus a tank with an outlet, a siphon bell movable in said tank above the outlet, a draw rod for moving said siphon bell, the draw rod comprising two slidably interengaging parts coupled together for allowing limited relative axial movement of said parts, an actuating means attached to one of said parts, a further actuating means adapted to cooperate with the other of said parts, one of said actuating means being adapted for pulling down the draw rod to a greater extent than the other and thus to effect delivery of a larger quantity of water than the other actuating means, and a stationary housing for positively guiding the draw rod and for movably supporting said further actuating means.

2,136,843
CABINET
Andrew J. Dinkel, Clyde, N. Y.
Application April 26, 1937, Serial No. 138,976
1 Claim. (Cl. 312—152)

A cabinet comprising a base elongated forwardly and rearwardly, three posts rising from said base in triangular series in which one of said posts is at the rear and the remaining two posts are approximately midway of the length of the base and at opposite sides thereof and equidistant from said rear post, a top rigidly attached to the upper ends of said posts, two receptacles, arms integral with said receptacles respectively and pivoted to said respective front posts for supporting said receptacles during swinging movements thereof, other arms integral with said receptacles for engaging opposite sides of said



rear post when said receptacles are moved to position one above the other and below said top, and handles integral with said first named arms for swinging said receptacles to and from position in which said second named arms engage said rear post and in which one of said receptacles is closed by said top and closes the other receptacle.

2,136,844
ODOR OBSERVER AND ODOR METER
Gordon M. Fair and William Firth Wells, Cambridge, Mass.; said Wells assignor to said Fair
Application March 19, 1935, Serial No. 11,894
33 Claims. (Cl. 73—51)



1. An odor meter comprising a screened chamber into which odor from a solid may enter, a second chamber provided with means for admitting the odor into the chamber, and means for diluting the odor in substantially geometric ratio.

2,136,845
MEANS FOR LATERALLY CONTROLLING AIRCRAFT
George Burrell Fenton, Brough, near Hull, England, assignor to Blackburn Aircraft Limited, Brough, near Hull, England
Application February 7, 1938, Serial No. 189,253
In Great Britain November 11, 1936
4 Claims. (Cl. 244—90)

1. In aircraft, the combination of trailing edge flaps on the supporting surfaces at each side of the aircraft, and ailerons on said flaps, each comprising upper and lower sections, means operatively connecting the said sections so that only one of them on each side of the aircraft is operated at a time, the upper section on one wing

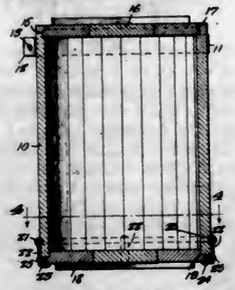


being connected with the lower section on the other wing so that the said upper section is raised whenever the said lower section is lowered.

2,136,846
LUBRICATING OIL
Amato Furiotti, Milan, Italy
No Drawing. Application April 13, 1937, Serial No. 136,605. In Italy February 27, 1937
2 Claims. (Cl. 87—9)

1. A lubricant being a solution of about 10 to 25 per cent mineral oil in castor oil with an addition of triethanolamine as stabilizer.

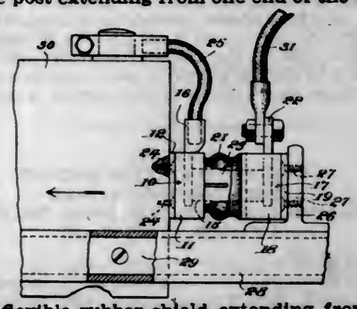
2,136,847
KNOCKDOWN CONTAINER
Oscar Grimwood, Lexington, Ky., assignor of one-half to J. H. Graves, Lexington, Ky.
Application April 14, 1937, Serial No. 136,935
1 Claim. (Cl. 217—44)



A container comprising a body having a plurality of staves arranged edge to edge, a head counterseated in the body at one end thereof, said body having an annular groove in the outer surface thereof adjacent the end next to the head, a ring seated in said groove, a plurality of straps pivotally attached to said ring and each having an angularly disposed portion overlapping said head, and fastening elements passing through said angularly disposed portion of the straps and into said head.

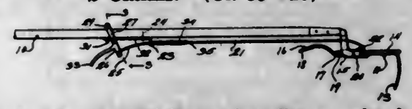
2,136,848
DETACHABLE CONNECTER
Willard O. Hassler, Kent, Ohio
Application February 23, 1938, Serial No. 192,110
2 Claims. (Cl. 173—332)

1. A detachable connecter comprising a knife section and a receptacle section comprising rectangular metal stampings each provided at one longitudinal edge with an outwardly directed attaching flange and provided at the other longitudinal edge with an inturned flange, a block of yielding insulation arranged between the stampings of each switch section, the inturned flanges engaging the block of insulation, a blade and a socket member connected together at right angles and having their connected portions imbedded in the block of insulation of the knife section, the blade extending from one side of the block and the socket member extending from one end of the block, a binding post and a receptacle connected together at right angles and having their connected portions imbedded in the block of insulation of the receptacle section, the receptacle extending from one side of the block and the post extending from one end of the block,



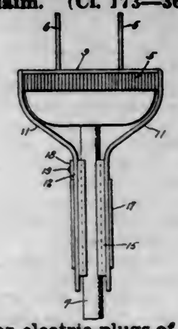
and a flexible rubber shield extending from one end of the receptacle section and adapted to surround the blade and the receptacle when connected together by moving the knife section and the receptacle section endwise into juxtaposition.

2,136,849
PICK-UP RAKE
Charles O. Hembree, Konawa, Okla.
Application August 26, 1937, Serial No. 161,128
2 Claims. (Cl. 55—10)



1. A rake comprising a handle, a rake head provided with laterally spaced angular extensions connected at one end to one end of the handle whereby the rake head assumes a position in offset relation to the handle, a lever pivotally connected intermediate of its ends between said angular extensions of the rake head and carrying a pick-up member, a pull rod extending parallel with the handle on the underside of the latter and pivotally connected at its forward end to one end of said lever and extending between the laterally spaced angular extensions of the rake head, means carried by the handle for guiding the pull rod in its movement, and a hand lever mounted on the handle and connected to the rear end of said pull rod.

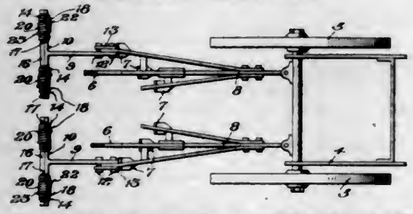
2,136,850
PROTECTOR FOR ELECTRIC PLUGS
Thomas Henry Honey, New York, N. Y.
Application March 20, 1937, Serial No. 132,138
1 Claim. (Cl. 173—361)



A protector for electric plugs of the prong type comprising a plate of insulation having openings

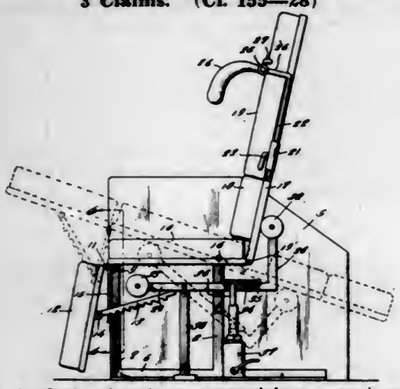
therein through which the prongs of the plug are disposable, said plate having tongue members adapted to be disposed longitudinally of the usual cord of the plug, and resilient blocks on the inner sides of the tongue members for engagement against the cord, and a spring clip pivotally secured to one of the tongue members and being adapted to embrace both of said tongue members and clamp the resilient blocks against a cord.

2,136,851
CULTIVATOR ATTACHMENT
Henry Jess, Sabula, Iowa
Application October 5, 1937, Serial No. 167,434
4 Claims. (Cl. 97—8)



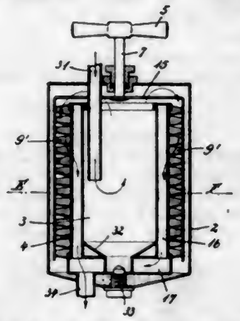
1. In combination with a cultivating plow, a T-shaped draw bar member extending rearwardly from the plow, a rake structure complemental to said member, and a compact spring and hinge assembly connecting said rake structure to said member with capacity to swing rearwardly.

2,136,852
ADJUSTABLE CHAIR
Ernest Frederic Knauth, deceased, late of Brooklyn, N. Y., by Fifine O. Knauth, executrix, Brooklyn, N. Y.
Application May 28, 1937, Serial No. 145,377
3 Claims. (Cl. 155—28)



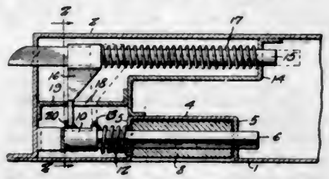
1. A chair structure comprising a seat member, means supporting said seat member including means suitably mounting the same upon a horizontal axis, a back rest pivoted to said seat for swinging movement from a normal upright position downwardly into alignment with said seat member, means for tilting said seat member and for supporting said seat member and said back rest in various tilted positions comprising a cradle member having a pair of rigidly connected divergent leg portions extending forwardly and rearwardly of said chair structure respectively beneath the seat member and rearwardly of the back rest, forward and rearward support members in engagement with a leg of said cradle, one of said support members providing a fixed axis pivotally mounting said cradle for swinging movement in a vertical plane, said other support member being adjustable in height to hold said cradle in selected adjusted positions whereby said leg portions may be brought into engagement with said pivotally mounted seat member and said back rest to adjust the same in various angular relations.

2,136,853
FILTER
Alfred Knecht, Stuttgart-Bad-Cannstatt, Germany
Application December 16, 1935, Serial No. 54,587
In Germany December 22, 1934
5 Claims. (Cl. 210—167)



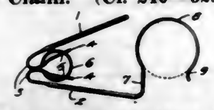
2. In a filter in combination, a casing, a carrier in said casing, a wire wound around said carrier to form a hollow cylinder adapted to act as the filter body proper, means for causing the fluid to be filtered to flow always in the same direction into said filter body, a brushing device in contact with the outer surface of said filter body and movable relative to, and substantially in the longitudinal direction of, said wire and means projecting from said casing for moving said brushing device.

2,136,854
LATCH OPERATING MECHANISM FOR AUTOMOBILES
Carl Knott, Philadelphia, Pa.
Application March 31, 1936, Serial No. 71,937
3 Claims. (Cl. 292—169)



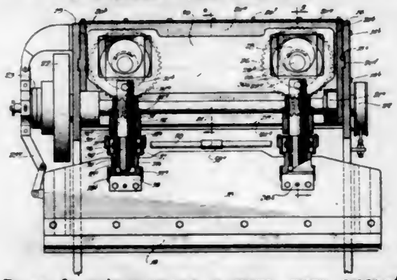
1. Latching mechanism for automobile doors, comprising, a spindle rotatably mounted in the door in horizontal position, the door having a recess therein into which the spindle projects, a handle fast on the spindle for rotating the same, a spring connected with the spindle and holding the same under tension with the handle in the recess in the door, a latch bolt slidably mounted in the door parallel with the spindle, an arm carried by said bolt, a cam carried by said spindle and slidably engaging said arm for retracting said bolt when the spindle is rotated by withdrawing the handle from the recess in the door, said cam being disengaged from said arm upon retraction of said bolt to permit projection of said bolt in advance of returning the handle within said recess, and a spring for projecting said bolt after disengagement of said cam and arm.

2,136,855
FLASHLIGHT HOLDER
Owen G. Lancaster, Cheyenne, Wyo.
Application April 5, 1938, Serial No. 200,178
1 Claim. (Cl. 240—52.5)



A flashlight holder comprising a pair of flat resilient members looped upon themselves to provide companion jaws and relatively thick handles extending from said jaws, rearwardly extending portions formed on said jaws between the handles and having slots therein, a split spring ring extending through the slots and having the ends thereof contacting said portions for urging and holding the jaws in clamping association, and a substantially U-shaped spring collar formed on one of said handles for receiving and holding a flashlight.

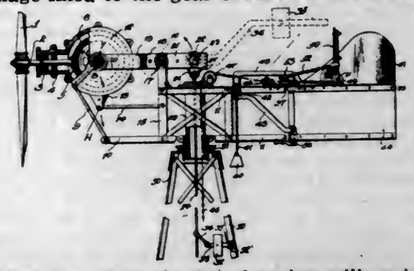
2,136,856
FORMING PRESS
Arthur H. Long, Chicago, Ill., assignor to Dreis & Krump Mfg. Company, Chicago, Ill.
Application November 9, 1936, Serial No. 110,022
4 Claims. (Cl. 153—21)



1. In a forming press, a ram, ram operating mechanism comprising a drive shaft, oppositely rotating transmission gears at points along said shaft, a tie member between said gears, said gears including means for moving said tie member vertically, said tie member comprising means for equalizing the lateral thrust of said gears, and connections from said tie member to points along said ram, said press having side walls, a lubricant containing housing removably supported between said side walls, said shaft, gears, and tie members being contained in said housing, and said connections between said tie member and said ram extending through a wall of said housing and having a fluid tight joint therewith.

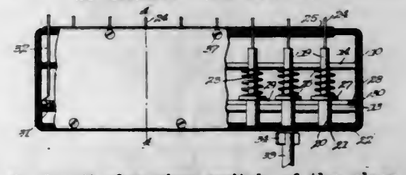
2,136,857
WINDMILL
Miguel Massoni, Cordoba, Argentina
Application September 25, 1936, Serial No. 102,625
In Argentina April 16, 1936
2 Claims. (Cl. 170—42)

1. A windmill comprising a movable frame, a lever pivoted on the frame for vertical swinging movement on the frame, at least one casing, a wind wheel having a shaft extending in the casing, a gear in the casing having a shaft connected to one end of said lever and in geared connection with the wind wheel shaft and a linkage fixed to the gear shaft and to the frame



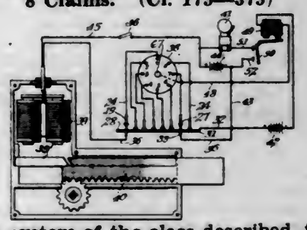
so that the wind wheel and casing will reciprocate vertically when the wind wheel is rotated, and means connected to said lever for utilizing said vertical reciprocal movement.

2,136,858
CIRCUIT CHANGING SWITCH MECHANISM
Edmond Michel, New Orleans, La., assignor to Larmloc Corporation, New Orleans, La.
Application May 7, 1936, Serial No. 78,504
23 Claims. (Cl. 200—5)



1. A circuit changing switch of the class described including a plurality of axially movable transversely disposed spaced contacts, each of said contacts being adapted to be individually connected to a single selected circuit, but not connectible in series with any other movable contacts, a fixed contact common to all of the movable contacts, said fixed contact adapted to be individually connected to a circuit independent of the movable contacts, means for normally maintaining the movable contacts in engagement with fixed contact, and a key contact arranged for selective connection with the movable contacts so as to establish an independent circuit therewith and simultaneously disconnect the circuit established between the fixed contact and the selected movable contact.

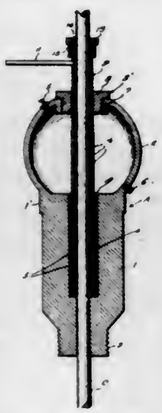
2,136,859
CIRCUIT CHANGING SYSTEM
Edmond Michel, New Orleans, La., assignor to Larmloc Corporation, New Orleans, La.
Original application May 7, 1936, Serial No. 78,504. Divided and this application June 17, 1937, Serial No. 148,807
8 Claims. (Cl. 175—375)



1. In a system of the class described, the combination of a control switch having spaced fixed

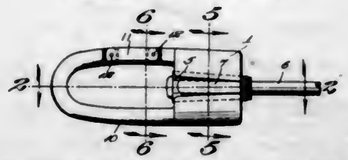
contacts, a contact having a plurality of movable contacts associated with the fixed contacts and normally spaced therefrom, means to bring the movable contacts in engagement with their associated fixed contacts, a source of electrical energy, an electrically operable member, means interconnecting the operable member to the movable contacts, a circuit closing mechanism including reciprocating contacts, each of the reciprocating contacts being permanently connected to one of the fixed contacts, and detachable contact means connected to the source of energy and arranged selectively to engage any one of the reciprocating contacts so that upon the actuation of the movable contact associated with the fixed contact connected to the reciprocating contact engaged by the detachable contact means, to establish a circuit connection between the movable contact and the detachable contact means to actuate the operable member.

2,136,860
SELF-LUBRICATING STUFFING BOX
Harley Leonard Mitchell, Olney, Tex., assignor of one-half to Ray N. Horany, Olney, Tex.
Application December 28, 1937, Serial No. 182,099
1 Claim. (Cl. 286—35)



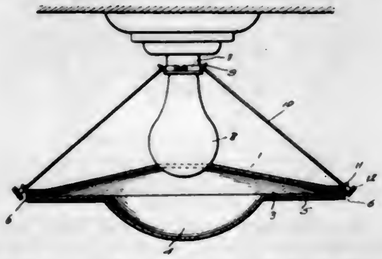
A stuffing box for a well rod comprising an elongated body formed with a lubricant reservoir at its upper end, said body having a longitudinally extending bore therein, the upper portion of which is enlarged and opens out into the reservoir, gaskets located in the enlarged part of the bore, the upper end of the reservoir having an opening therein of larger diameter than the enlarged part of the bore permitting gaskets to be placed into said enlarged part of the bore, a plug for closing the opening and said plug having a threaded opening passing therethrough, an elongated tubular member having its bore of the same diameter throughout, the well rod passing through said member and through the gaskets and through the lower part of the bore of the body, the tubular member passing through the threaded hole in the plug and having a part passing through the reservoir, said part having perforations therein, the lower end of the tubular member being enlarged and entering the top part of the enlarged part of the bore for engaging the top gasket, the upper portion of the tubular member projecting above the plug, means providing for the turning of the tubular member in the plug to raise and lower the said tubular member and a packing gland at the upper end of the tubular member and through which the rod passes.

2,136,861
CLAMP
Amos Norris, Overton, Tex., assignor of one-half to De France Russell, Overton, Tex.
Application January 19, 1937, Serial No. 121,351
1 Claim. (Cl. 287—113)



A clamp comprising a body including means for connecting the same to pump equipment and having a tapered bore, a split sleeve to receive a rod and tapering towards one end and positioned in the tapered bore to have a wedging action therewith and thereby bring about contraction of said sleeve on the rod, said sleeve having a groove in one end, a split ring mounted in said groove to engage with one end of the body, said body having a wedge-shaped slot communicating with the bore, and an elongated wedge-shaped rib formed on said sleeve and fitting in the slot.

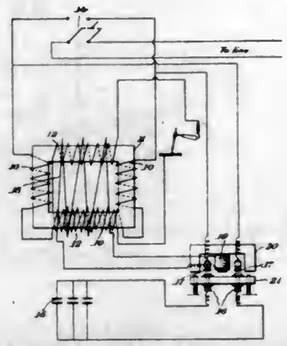
2,136,862
LIGHT REFLECTOR
Joseph Thomas Norton, Swedesboro, N. J.
Application October 14, 1937, Serial No. 169,019
3 Claims. (Cl. 240—103)



1. A reflector for an electric light bulb comprising a member having a centrally arranged opening therein for receiving the lower portion of the bulb, said member sloping downwardly and outwardly from the opening and having its upper face reflective, to reflect the rays of light from the bulb upwardly and outwardly, a second member of translucent material located below the first member and having a depending substantially semi-spherical central part, the rest of said second member being flat, means for connecting the members together with the portions adjacent the edges in contact and supporting means for the members.

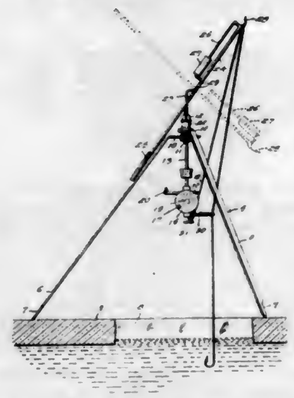
2,136,863
TRANSFORMER
Frederick C. Owen, Fayetteville, N. C.
Application October 9, 1934, Serial No. 747,607
5 Claims. (Cl. 172—246)

1. In combination with a transformer having a normally low power factor, a condensive reactance, an electrically operated switch for connecting the reactance in one of the circuits of the transformer, and a coil for generating switch actuating current but related only inductively to an element of the transformer and generating



switch operating current only when the secondary is under load.

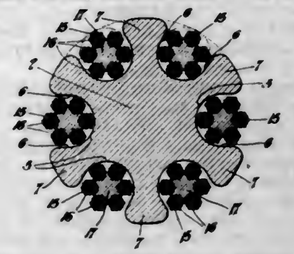
2,136,864
ICE FISHING APPARATUS
Emile Paquette, Putnam, Conn.
Application April 13, 1938, Serial No. 201,834
2 Claims. (Cl. 43—17)



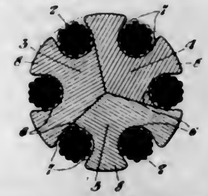
1. In an apparatus of the class described, comprising, a stand adapted to be disposed above a fishing hole formed in a section of ice, a downwardly extending rod supported by said stand, a reel rotatably mounted on said rod and equipped with a fishing line, a support arm carried by said stand and extending thereabove, a semaphore pivoted to said support arm and fashioned with a line engaging section over which said line is adapted to be trained, and a weight slidably mounted on said semaphore for accelerating operation thereof and maintaining the same in signaling position when said semaphore is operated by said line.

2,136,865
WIRE ROPE
Malcolm W. Reed, Shaker Heights, Ohio
Application October 22, 1936, Serial No. 107,064
2 Claims. (Cl. 117—59)

1. A cable comprising a plurality of separate wire ropes helically wound about a main core, said separate wire ropes including a plurality of wire strands wound about individual cores, said main core having a greater resiliency than the individual wire ropes wound thereover and provided with means adapted to prevent said wire ropes from coming into contact with each other.

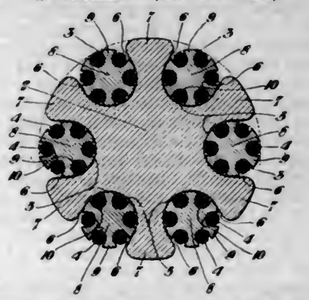


2,136,866
WIRE ROPE
Malcolm W. Reed, Shaker Heights, Ohio
Application June 10, 1938, Serial No. 213,095
4 Claims. (Cl. 117—59)



1. A wire rope composed of twisted wire strands and a core provided with means interposed between said wire strands to prevent said wire strands from coming into contact with each other, said core comprising a plurality of interfitting sections.

2,136,867
WIRE ROPE OR CABLE
Malcolm W. Reed, Shaker Heights, Ohio
Application June 23, 1938, Serial No. 215,454
2 Claims. (Cl. 117—59)

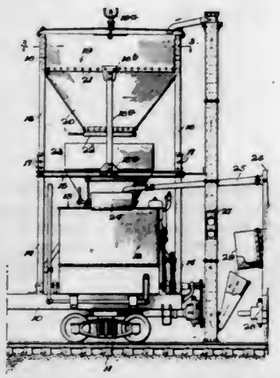


1. A cable comprising a plurality of separate wire ropes helically wound about a main core, said main core provided with a plurality of grooves extending around its periphery, said separate wire ropes including a plurality of wire strands wound about individual cores, said cores of the individual wire ropes and said main core having a greater resiliency than the wire strands wound thereover and including integral extending radial spacing members for said individual wire ropes and said strands to prevent said wire ropes from coming into contact with each other as well as preventing the strands of the individual ropes from coming into contact with each other.

2,136,868
INSECTICIDE AND METHOD OF MAKING SAME
Herbert Schotte and Karl Görnitz, Berlin, Germany, assignors to Schering-Kahlbaum A. G., Berlin, Germany
No Drawing. Application December 12, 1933, Serial No. 702,026. In Germany June 30, 1932
7 Claims. (Cl. 167—24)

1. As an insecticide, a finely divided mixture, solidified from the molten state, of an insecticidal vegetable material and a carrier substance, the said carrier substance being solid at ordinary temperatures, but melting below carbonization temperatures of said vegetable material and in its molten state being capable of extracting the active insecticide from said insecticidal vegetable material.

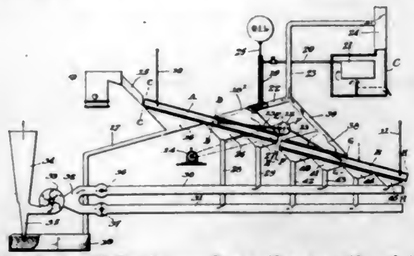
2,136,869
COLLAPSIBLE ASPHALT MACHINE
Joseph MacKay Spears, Washington, D. C.
Application October 22, 1937, Serial No. 170,497
2 Claims. (Cl. 259—164)



1. In a portable mixing apparatus for producing asphaltic mixtures, a wheel supported platform, a mixing mill mounted on said platform and having an open top, a hopper comprising upper and lower portions alined vertically above said mill and adapted to be moved into raised and lowered positions, a set of vertically disposed frame members fixed to said platform in quadrilateral form about said mill, a second set of similarly arranged frame members slidably engaging the first set, said second set being fixed to said hopper, and means to secure the second set in raised position to the first set, said hopper having its lower portion taperingly reduced to rest within the open top of the mill when the hopper is in lowered position, said hopper having its lower and tapered portion detachably bolted to the lower part of the upper portion whereby the upper and lower portions may be telescopically nested when the device is collapsed.

2,136,870
METHOD FOR DRYING AND TREATING WET GRANULAR MATERIALS
Gustave Andre Vissac, Calgary, Alberta, Canada
Application August 11, 1936, Serial No. 95,419
6 Claims. (Cl. 34—24)

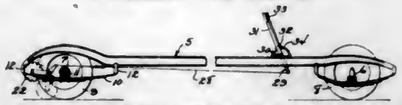
2. The method of drying wet granular material, which comprises producing a flowing agitated bed of the material and subjecting the moving bed to a series of air pulsations alternately directed to different portions of the bed and applied substantially throughout the length of the bed.



2,136,871
LUMINESCENT ZINC COMPOUNDS
Alfred Wakenhut, Seelze, near Hanover, Germany, assignor to J. D. Riedel-E de Haen A. G., Berlin-Britz, Germany
No Drawing. Application April 2, 1936, Serial No. 72,337. In Germany July 27, 1933
12 Claims. (Cl. 134—47)

1. The process of producing a phosphorescent composition comprising admixing with zinc sulfide a minute quantity of a heavy metal compound, capable of activating the composition for luminescence, and a relatively low percentage of a zinc compound containing oxygen and convertible into ZnO by heating, and subjecting the mixture to calcination within a range of temperatures extending from the neighborhood of 900° C. to about 1200° C.

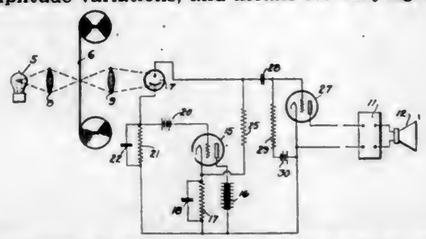
2,136,872
ANTISKID DEVICE
Frank H. Workman, Cleveland, Ohio
Application April 29, 1938, Serial No. 205,129
2 Claims. (Cl. 188—5)



1. A device of the character described, comprising, in combination with a motor vehicle chassis frame equipped with a pair of rear springs, bearing plates secured to said springs and fashioned with bearing sleeves, a shaft journaled in said sleeves, housings carried by said shaft and fashioned with extensions overlying said plates for limiting the movement of said housings relative to said plates, gripping wheels journaled in said housings and movable therewith, and an operating rod connected to said shaft for raising and lowering said gripping wheels.

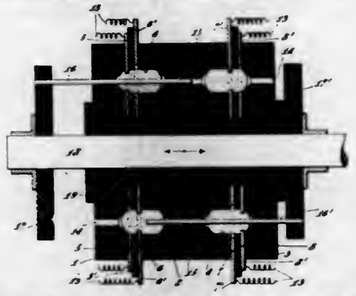
2,136,873
SOUND REPRODUCTION
James R. Balsley, La Canada, Calif., assignor to United Research Corporation, Long Island City, N. Y., a corporation of Delaware
Application October 29, 1935, Serial No. 47,287
11 Claims. (Cl. 179—100.3)

1. An electrical circuit for the reproduction of sound comprising a sound record having amplitude and frequency variations thereon in accordance with sound, a translating element for translating light varying in accordance with said frequency and amplitude variations into electrical currents, said element also producing electrical currents substantially corresponding to the amplitude variations, and means for varying the



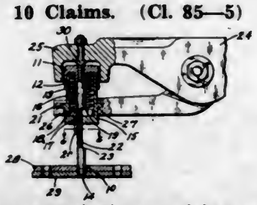
sensitivity of said translation element by said last mentioned currents.

2,136,874
MULTIPLE MERCURY CONTACT DEVICE
Walter Bärtsch, Kreuzberg Kerzers, Switzerland
Application July 24, 1937, Serial No. 155,488
In Switzerland July 8, 1937
8 Claims. (Cl. 200—16)



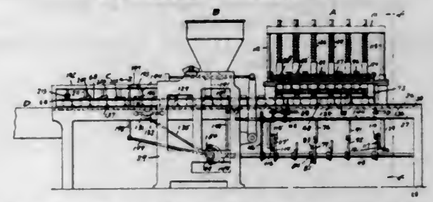
1. A mercury contact device comprising a block, having at least two spaced, axially aligned, mercury-filled cells therein, and a conductor for each cell, a movable contact member slidable in said block and permanently in contact with one of said cells, and selectively in contact with the other cell, the contact member being reciprocable in said block to make or break a circuit between said cells.

2,136,875
DEVICE FOR SECURING TOGETHER ARTICLES SUCH AS PLATES OR THE LIKE
Jean J. Blanc, Courbevoie, France
Application March 16, 1936, Serial No. 69,019. Renewed August 24, 1938. In France May 13, 1935
10 Claims. (Cl. 85—5)



9. A temporary rivet comprising a rod, a projection extending transversely from the first end of said rod, a projecting member extending transversely from said rod and slidable with respect thereto, a finger carried by said member extending therefrom along said rod toward the first end thereof, said rod being substantially non-rotatable with respect to said finger, and means for bringing said projection and said member into clamping position with sufficient force to securely hold together in the bite defined by said projection and said member at least two perforated metal plates in perforate alignment.

2,136,876
AUTOMATIC PACKAGING MACHINE
Nicholas B. Chaveas, Llanerch, and William C. Kinsley and Lewis Kinsley, Philadelphia, Pa., and Donald K. Howe, Omaha, Nebr.; said Howe assignor to The Fairmont Creamery Co., Omaha, Nebr., a corporation of Delaware
Application October 2, 1936, Serial No. 103,710
53 Claims. (Cl. 93—3)

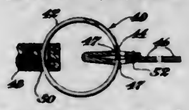


1. An apparatus for packaging semi-liquid material comprising means carrying rolls of packaging material, means for severing predetermined lengths of material therefrom, means for feeding the severed sheets of packaging material into staggered position to be simultaneously formed into receptacles, means for progressively forming the bottom and end walls of receptacles, means for sustaining said formed receptacles, means for imparting an intermittent movement to said last means, means for depositing a predetermined quantity of semi-liquid material into said receptacles, and means for folding the upper end of said receptacles to enclose the material therein.

2,136,877
INSULATORS, HEAT RESISTING AND SIMILAR ARTICLES, AND METHODS OF MANUFACTURING THE SAME
Gaston Delpech, Clamart, and Roger Lambert, Levallois-Perret, France, assignors to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France
No Drawing. Application April 6, 1934, Serial No. 719,294. In France April 11, 1933
7 Claims. (Cl. 154—2.6)

1. A method of manufacturing heat-resisting and electrically insulating articles, comprising mixing magnesia mica with a mixture containing silica, cryolite, boracic acid and lead oxide, heating the resultant mixture to the softening temperature of the first-mentioned mixture, and compressing the same.

2,136,878
BINDING CONSTRUCTION AND METHOD
Walter Grumbacher, New York, N. Y., assignor to Spiral Binding Co. Inc., New York, N. Y., a corporation of New York
Application March 1, 1935, Serial No. 8,795
15 Claims. (Cl. 281—25)



4. In combination with a stock of sheets having perforations therein, a continuous elongated binding element comprising transversely disposed

annular members serially connected by longitudinally disposed elements, and means to hold said elements in longitudinal alignment, said means comprising a relatively rigid member having perforations therein aligning with the perforations of the stack, said annular members passing through said perforations, said rigid member engaging said elements on opposed sides thereof, and fastening means for holding said elements in fixed relation to said rigid member.

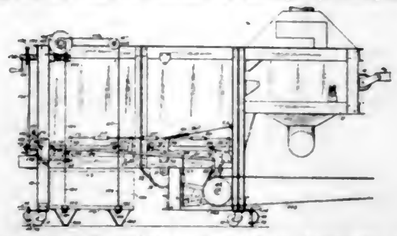
2,136,879
CHILDREN'S GARMENT CONSTRUCTION
Manuel Haber and Deborah L. Haber, Philadelphia, Pa.
Application November 17, 1937, Serial No. 175,098
10 Claims. (Cl. 2—270)



1. A children's outer-garment formed from a generally resilient material and including full length sleeves having circumferentially stretchable wrist portions, a glove permanently secured to each of said sleeves along a small portion of their respective transverse marginal sleeve-edges, a row of interlocking scoop-type fasteners circumferentially disposed about the remaining portion of each of said transverse marginal sleeve-edges, a second similar and juxtaposed row of scoop-type fasteners circumferentially disposed about the transverse marginal wrist-edge of each of said gloves, manually operable slide-members adapted to connect and to disconnect each of said juxtaposed rows of interlocking fasteners along a juncture line generally coincident with the customary marginal sleeve-edge, whereby said gloves may each be tucked into said stretchable sleeve wrist portions when not being worn, leaving each marginal sleeve-edge in a plane generally perpendicular to its respective longitudinal sleeve axis, and each of said gloves having an upturnable cuff disposed near the wrist end thereof adapted to conceal said juncture line when said gloves are being worn.

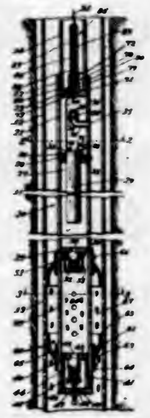
2,136,880
SHEET DRIER
Hans Honigman, East Cleveland, Ohio, assignor, by mesne assignments, to Marbon Corporation, Chicago, Ill., a corporation of Delaware
Application November 2, 1935, Serial No. 48,023
6 Claims. (Cl. 34—11)

1. In a machine of the class described, a series of trays adapted to be stacked, each of said trays comprising side bars of constant height throughout, a metallic end rail attached to said side bars and projecting laterally beyond the side bars, a series of fly sticks parallel with the side bars and supported upon said end rail, the side bars of each tray being adapted to rest upon the side bars of the tray below, laterally extending projections on the side bars spaced from the projecting ends of the end rail, and means cooperating with said projections and projecting ends



for moving the trays one after another in a vertical direction.

2,136,881
WELL WASHER
Jack Johnson, Taft, Calif., assignor, by mesne assignments, to W. J. Nimmer, Los Angeles, Calif.
Application May 27, 1936, Serial No. 82,032
30 Claims. (Cl. 166—20)

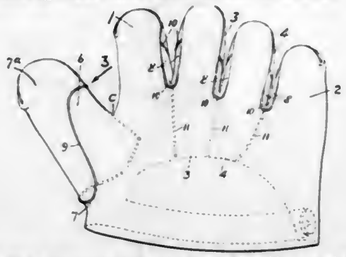


1. In a method of well washing in which a casing having perforations is installed in the well comprising providing a liquid transfer chamber in the casing communicating with a portion of the casing adjacent the perforations, confining the liquid in the casing from upward or downward flow adjacent the said perforations, creating a sudden localized pressure in the transfer chamber and forcing the liquid outwardly by such pressure through the confined space and the perforations of the casing into the well formation.

2,136,882
BASEBALL GLOVE
William A. Kahmar, Philadelphia, Pa.
Application April 7, 1937, Serial No. 135,365
3 Claims. (Cl. 2—19)

1. A baseball glove having the first and little fingers formed by marginal folds in the stock of which the palm is made, and having the other fingers formed in part integral with said stock and in part by separate back finger pieces, the fold at the first finger being provided with a slit defined at the front of the glove by an integral tab terminating in spaced relation away from the crotch of the thumb and at the side of the glove by a recession from the crotch toward the center line of the first finger, a back thumb piece having an extension conforming to the recession and

extending well across the back of the first finger, gusset pieces at the crotches between the fingers and extending out toward the ends of the fingers, a line of stitching spaced from said crotch at the front of the glove and securing the extension of the thumb piece to the margin of the slit and the thumb piece to the end part of the tab, stitching securing the back and front portions of the



fingers and thumb together at the tip parts thereof, stitching securing the gussets to the palm piece and to the adjacent margins of the back finger pieces and stitching securing the adjacent heel parts of the back finger pieces to each other, whereby all portions including the crotch portions of the glove are free from stitching disposed in line with the shock of the ball.

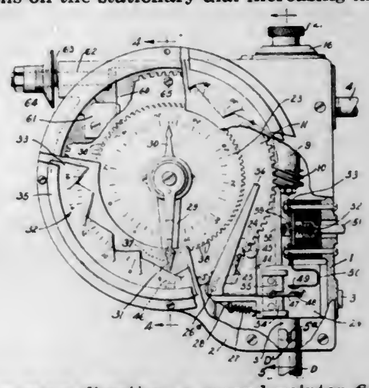
2,136,883
HAIRPIN
Edward La Pour, Milwaukee, Wis.
Application August 6, 1936, Serial No. 94,610
1 Claim. (Cl. 132—52)



A hairpin comprising, a plurality of longitudinally extending legs all connected at one end, at least one of said legs lying between the other legs, all of said legs having a series of crimps, certain of said crimps having parallel portions arranged in abutting facial contact to provide a series of clamps and a series of hair-receiving pockets.

2,136,884
WARPER CLOCK
Brooks Marcellus, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application November 2, 1935, Serial No. 47,919
27 Claims. (Cl. 235—132)

1. A warper clock having, in combination, a drive shaft, a frame pivoted on the axis of said shaft, a second shaft mounted in said frame, a gear fixed on the drive shaft, a gear splined on the second shaft and adapted to be moved into and out of mesh with the first-mentioned gear, a dial fixed to the second gear, a gear wheel having a gear connection with the second shaft which may be broken by pivotal movement of said frame, a second dial fixed coaxially to said gear wheel, a spindle arranged coaxially of said gear wheel and second dial, an arm fixed on said spindle, a driving connection between said arm and said dial which is disengageable through axial movement of said spindle to permit angular adjustment of the arm with relation to the second dial, a pointer fixed to said arm to coact with the second dial, a stationary annular dial concentric with the second dial, the graduations on the second dial increasing in value in one direction and the graduations on the stationary dial increasing in value

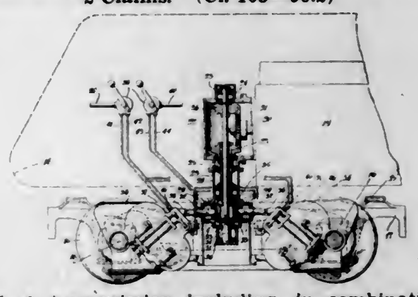


in the same direction, a second pointer fixed to said spindle to coact with the stationary dial, a pin on the gear wheel, a stop for engagement by said pin to define the starting position of the gear wheel, and a device arranged to be operated in the travel of said arm as the second pointer reaches the zero position on the stationary dial.

2,136,885
EXTREME PRESSURE LUBRICANT
Franz Rudolf Moser, Amsterdam, Netherlands, and Marinus Cornelis Tuyn, Pladjoe, Netherlands East Indies, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 16, 1936, Serial No. 69,162. In the Netherlands March 19, 1935
1 Claim. (Cl. 87—9)

An extreme pressure lubricant consisting essentially of a mineral lubricating oil containing not less than 0.1% finely divided nigraniline.

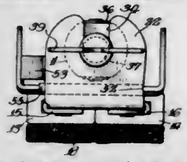
2,136,886
TRANSMISSION
Elias Orshansky, Jr., New York, N. Y., assignor to The Acrotorque Company, New Haven, Conn., a corporation of Connecticut
Application December 11, 1935, Serial No. 53,866
2 Claims. (Cl. 105—96.2)



1. A transmission including, in combination, a truck, a plurality of driving axles mounted by said truck, hydraulic transmissions associated one with each of said axles, a body movably supported upon said truck, a prime mover mounted

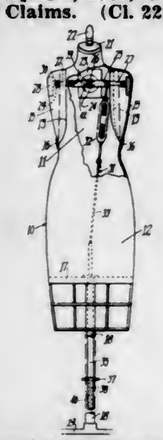
within said body, a driving gear connected to said prime mover, a shaft and sleeve concentrically disposed with respect thereto defining a pivotal connection between said truck and body, gears secured to said sleeve and shaft and engaging with the gear associated with said prime mover, aligned shafts extending from each of said transmissions for driving the latter, gears secured to each of said latter shafts and disposed adjacent the lower ends of said first named shaft and sleeve, and gears secured to said first named shaft and sleeve and adjacent their lower ends to each engage all gears associated with the transmission shafts.

2,136,887
PERMANENT WAVE PROTECTOR
Agaton J. Parker, Chicago, Ill.
Application October 14, 1937, Serial No. 168,986
12 Claims. (Cl. 132—33)



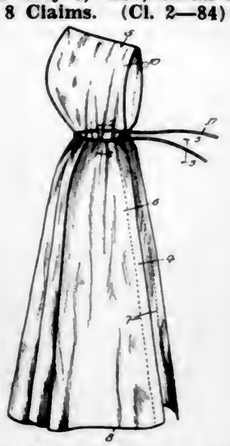
1. A permanent wave protector comprising, in combination, a protecting clamp adapted to secure a hank of hair adjacent the scalp, a winding rod upon which the hank of hair is to be wound, a shield for the reception of a chemical heat pad employed for baking the wave having a portion disposed between said clamp and said rod, and cooperating engaging means on said clamp and said shield releasably and removably securing said shield on said clamp.

2,136,888
DRESS FORM
Albert Pellegrini, Staten Island, N. Y.
Application April 1, 1938, Serial No. 199,351
10 Claims. (Cl. 223—68)



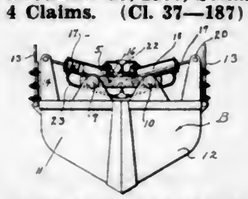
1. In a garment form, in combination, a hollow body having shoulder openings, shoulder portions hinged in said openings for retractile movement, from a normal open position, to a closed position, a lever pivoted in said body, links joining the ends of said lever and said shoulder portions and means for actuating said lever to impart hinging movement to said portions, and said lever and links resisting exterior pressure on said shoulder portions when the latter are in open position.

2,136,889
SHEET FORMED ARTICLE
Harvey B. Richards, Lake Bluff, Ill., assignor, by mesne assignments, to Richards, Boggs & King, Inc., Chicago, Ill., a corporation of Delaware
Application May 3, 1937, Serial No. 140,437
8 Claims. (Cl. 2—84)



1. An article of manufacture, comprising a pair of sheets having certain margins thereof in lapped relation, a centrally and longitudinally folded binding extending lengthwise of and around the lapped margins of the sheets, a channel type strip of comparatively thin highly flexible waterproof material extending lengthwise of and around the binding and having infolded extensions on the side portions thereof fitting between the inner faces of the side portions of the binding and the outer faces of the lapped margins of the sheets, and means for securing the strip and binding in place and in connected relation with said lapped margins.

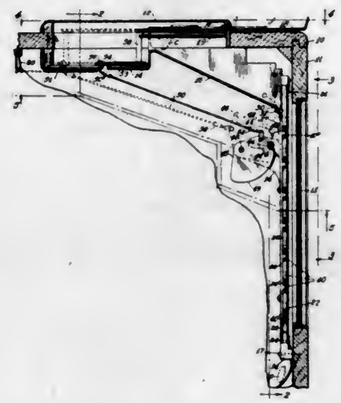
2,136,890
EXCAVATING BUCKET
Joel M. Roberts, Racine, Wis.
Application December 13, 1937, Serial No. 179,493
4 Claims. (Cl. 37—187)



1. In an excavating bucket, a supporting frame, jaws rockably mounted on the frame, lift cables for the bucket, and hydraulic rams including cylinders and pistons, means pivotally connecting the cylinders to the frame, and means pivotally connecting the pistons to the jaws.

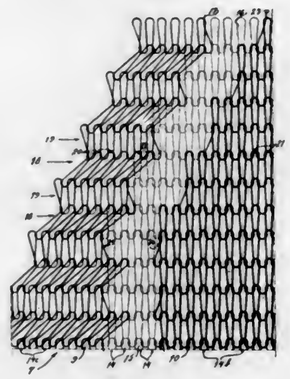
2,136,891
VISIBLE COIN CHUTE
David C. Rockola, Chicago, Ill.
Application August 3, 1936, Serial No. 93,953
12 Claims. (Cl. 194—98)

1. A visible coin chute mechanism, for use with manually operable coin slides, comprising an elongated body having a transparent side wall, a plurality of adjacent coin pockets extended longitudinally along one side of said body and a plurality of adjacent coin pockets with their openings disposed oppositely to those of said first pockets along another side of said body, a longitudinally slidable member between said pockets having a plurality of studs to retain coins in the pockets on one side of said chute when said slidable member is normally positioned, and to permit gravitating movement of such coins to the said oppositely disposed pockets when said mem-



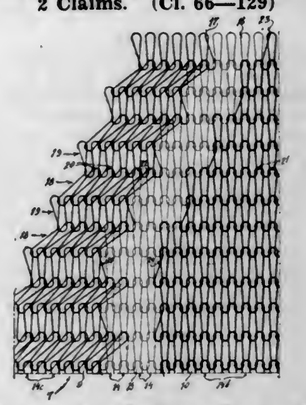
ber is moved from normal position, whereby coins may be simultaneously advanced from pocket to pocket through said chute, means for moving said longitudinally movable member including a cam plate pivotally supported on said chute for driving engagement with said longitudinally movable member, and means operatively connecting said cam plate with a said coin slide.

2,136,892
KNITTED HOSIERY TOE
Harry W. Roesener, Philadelphia, Pa., assignor to Merchantville Hosiery Company, Merchantville, N. J.
Application November 30, 1936, Serial No. 113,416
11 Claims. (Cl. 66—182)



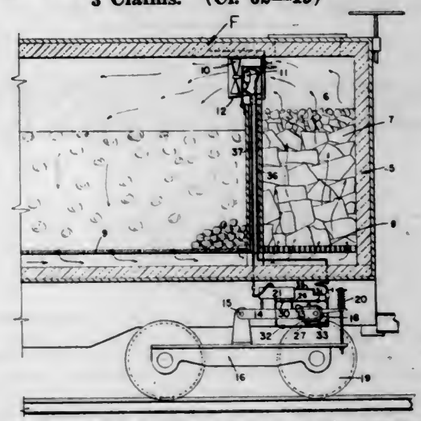
1. In a hosiery toe section, a pair of reinforced side fabrics, a reinforced intermediate fabric disposed between said side fabrics, said intermediate fabric being reinforced to a greater degree than that of the side fabrics, and an unreinforced fabric panel interposed between said intermediate fabric and each side fabric.

2,136,893
METHOD OF KNITTING FULL-FASHIONED HOSIERY TOE
Harry W. Roesener, Philadelphia, Pa., assignor to Merchantville Hosiery Company, Merchantville, N. J.
Original applications November 30, 1936, Serial No. 113,416, and September 4, 1937, Serial No. 162,436. Divided and this application June 4, 1938, Serial No. 213,601
2 Claims. (Cl. 66—129)



1. The method of knitting the toe section of a full-fashioned knitted stocking comprising: laying a body yarn to form a full course; laying reinforcing yarns over the body yarn at the opposite end portions of the full course, whereby to form reinforcing partial courses in overlapping relation with said end portions of the full course; laying a reinforcing yarn over the body yarn at the intermediate portion of the full course but at spaced intervals with respect to the reinforcing yarns at the end portions of said full course, whereby to form an intermediate reinforcing partial course in overlapping relation with the intermediate portion of the full course but in spaced relation to the reinforced end portions of said full course; and transferring the loops on the reinforced end portions of the course.

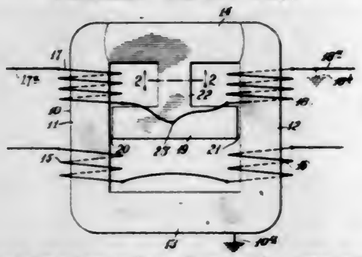
2,136,894
REFRIGERATOR FREIGHT CAR
Kent Schwebs, Hortonville, Wis.
Application September 9, 1937, Serial No. 163,065
3 Claims. (Cl. 62—19)



1. In a refrigerator car having a storage com-

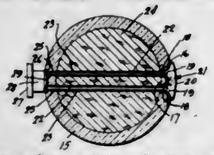
partment therein and a bunker, of an air-circulating fan arranged adjacent to the bunker for drawing air therethrough and delivering air to the storage compartment, and means for operating the fan including a turbine, a pump for delivering liquid under pressure to the turbine, means for driving the pump from a moving part of the car, and means for leading the liquid from the pump continuously in one direction to the turbine, irrespective of the direction of rotation of the pump.

2,136,895
REACTANCE TRANSFORMER
Joseph G. Sola, Oak Park, Ill.
Application August 27, 1935, Serial No. 38,073
7 Claims. (Cl. 171—119)



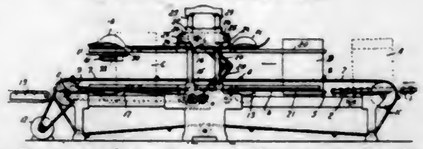
1. In a reactance transformer for use with luminous tubes, the combination of a core in the form of a loop; primary coil means on said core; two secondary coil sections on said core connected in series in cooperative relation to each other with their intermediate ends grounded; and auxiliary core means serving to connect across the loop between the primary coil means and said secondary coil sections, with an effective air gap in said connection for diverting a portion of the flux from the portions of the loop upon which said secondary coil sections are mounted and thus controlling the strength of current flowing through said secondary coil sections under normal conditions, and serving, by cooperation with portions of said core loop, as connections in shunt relation about said secondary coil sections respectively, with an effective air gap interposed in each of said shunt connections of substantially smaller size than said first mentioned air gap adapted when one of said secondary coil sections is short-circuited to divert a portion of the flux from the portion of the loop upon which said secondary coil section is mounted, for preventing the establishment of a destructive overload current through said secondary coil section.

2,136,896
BOTTLE SEAL
Aron Solomon, New York, N. Y., assignor of one-half to Belle F. Marton, New York, N. Y.
Application December 1, 1937, Serial No. 177,395
3 Claims. (Cl. 215—7)



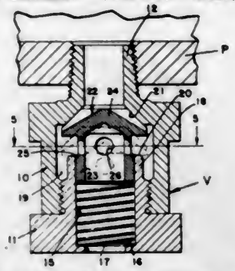
3. In combination with a bottle having diametrically opposite pairs of openings near the mouth thereof, the openings comprising each pair being spaced one from the other, a weakened area on the bottle through which one pair of openings extend, a stopper having a pair of spaced apart openings extending therethrough and in alinement with the bottle openings, a toothed plate, the teeth of which extend into the openings at the said weakened area, a wire loop secured to the said plate and extending through all of the aforementioned openings, a flattened area on the bottle on the side diametrically opposite the weakened area, through which the other pair of openings extend, a finger piece secured to the wire loop at the said flattened bottle area, and a rounded end on the said finger piece in abutment with the said flattened area.

2,136,897
CARTON PRINTING APPARATUS
Josephus J. Thayer, La Grange Park, Ill.
Application February 27, 1937, Serial No. 128,258
10 Claims. (Cl. 101—37)



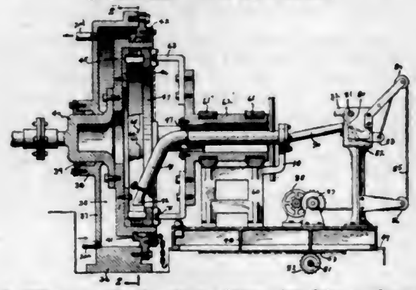
1. In a machine for printing upon the front face and an adjoining face of articles having angularly disposed faces as they advance through the machine, means for advancing the articles through the machine, a rotatable type wheel, means for pivotally supporting said wheel, yielding means for normally urging said wheel to a position in the path of articles advancing through the machine, whereby said wheel will be engaged and rotated by frictional contact with the front face of the advancing articles and moved to a position outside the path of the articles, the effective force of said yielding means on said wheel support continuing during such movement of the wheel to a position outside the path of the articles and after the wheel has been moved from the path of the articles and then forcing said wheel into frictional contact with a face adjoining the front face of each of said articles, whereby printing on the front and an adjoining face of articles passing through the machine is accomplished.

2,136,898
DRAIN VALVE
Henry H. Thomas, Clinton, Iowa
Application August 16, 1937, Serial No. 159,360
2 Claims. (Cl. 137—34.2)



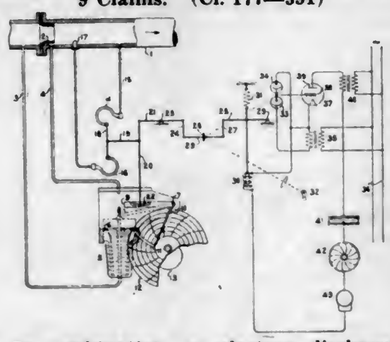
1. A drain valve for pipe lines comprising a valve casing having a nipple for connection with a pipe line at one end, a removable plug closing the opposite end of the casing, said plug having an axial bore and a port communicating with the bore and the atmosphere, a sleeve extension on the plug having a curved valve seat on its inner end, said sleeve forming in conjunction with the casing a depressed basin around the valve seat, whereby said valve seat will be raised above the outer end of the casing, the inner wall of the casing around the nipple having a beveled stop surface, a valve body having a hollow stem slidably mounted in the sleeve, and a head extending beyond the sleeve for overlapping the valve seat, said stem being provided with openings therein adjacent to the head, an expansion spring in the bore engaging the stem normally holding the valve body in raised position with the head off of the seat and the openings communicating with the interior of the valve casing, the outer surface of the valve head being provided with a flat central face and an annular beveled face for engaging the beveled surface of the casing, and said valve head being provided with radial channels whereby to connect the nipple with the interior of the casing.

2,136,899
CASTING BRAKE SHOES CENTRIFUGALLY
William B. Weaver, deceased, late of Birmingham, Ala., by Carrie J. Weaver, executrix, Birmingham, Ala.
Original application April 4, 1930, Serial No. 441,481. Divided and this application January 13, 1936, Serial No. 58,833
3 Claims. (Cl. 29—152.1)



3. The method of making braking elements which comprises placing a one-piece annular backing member of sufficient size to make a plurality of brake elements in a centrifugal mold, rotating the mold, pouring molten wearing material into said mold to cause it to adhere to the inner surface of said backing member, removing the molded product from said mold after said wearing material has set, and thereafter cutting said molded product into individual braking elements.

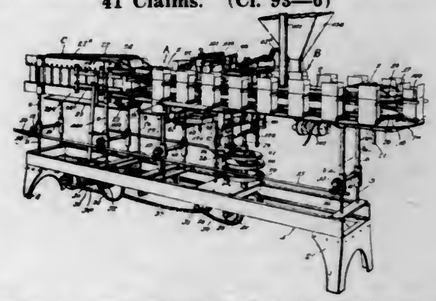
2,136,900
MEASURING APPARATUS
Rew E. Woolley, Shaker Heights, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application May 31, 1934, Serial No. 728,352
9 Claims. (Cl. 177—351)



1. In combination, an electron discharge de-

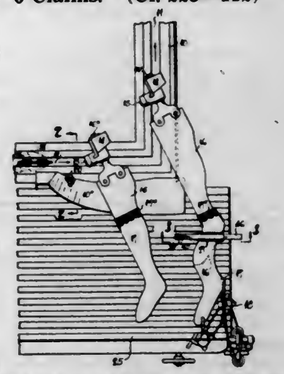
vice having an input and an output circuit, a movable member, means for positioning one end of said member solely in accordance with the magnitude of a variable, means for positioning the other end of said member solely in accordance with the current in the output circuit of said device, a photo-electric device for electrically controlling said input circuit, means carried by said member for controlling light on said photo-electric device in accordance with the position of said member, and exhibiting means of the current in said output circuit.

2,136,901
CARTON SEALING MACHINE
John L. Ferguson, Joliet, Ill., assignor to J. L. Ferguson Company, Joliet, Ill., a corporation of Illinois
Application January 20, 1936, Serial No. 59,850
41 Claims. (Cl. 93—6)



1. In a carton sealer, means for moving open cartons step by step to a sealing step position wherein the end flaps are in closed position and the side flaps extended laterally, means for closing the end flaps and gluing the extended side flaps during said step by step movement, and transversely reciprocating means for closing said side laterally extending flaps.

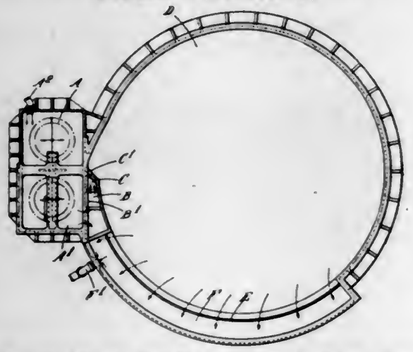
2,136,902
HOSE STRIPPER
William L. Griffin, Sr., Charlotte, N. C., assignor to Nebel Knitting Company, Charlotte, N. C., a corporation of North Carolina
Application May 11, 1937, Serial No. 142,010
6 Claims. (Cl. 223—112)



1. In a hosiery drying machine having moving forms on which the hosiery is disposed and having grippers for engaging the foot of each hose and holding the same while the moving form leaves the hose, a roller for engaging the leg por-

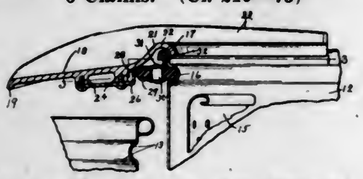
tion of the hose and exerting pressure on the leg and form while the form is being withdrawn from the hose, and means for moving the roller towards and away from the hose in timed relation to the travel of the forms in the machine.

2,136,903
SEDIMENTATION APPARATUS OR THICKENER
Edwin William Arnold Humphreys and Percy Harry Illingworth Humphreys, London, England, and Thomas Dow Key, Alexandria, Egypt, assignors of one-half to said Key and one-half to Robert Walton, Alexandria, Egypt
Application September 1, 1936, Serial No. 98,872
In Great Britain February 3, 1934
1 Claim. (Cl. 210—3)



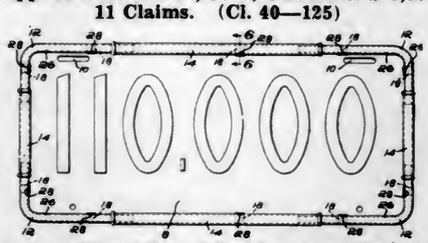
Sedimentation apparatus for flowing liquids, comprising a sedimentation basin having a peripheral wall, said wall having an inlet port therein in the form of a vertically elongated slotted opening with the lower end of the slotted opening substantially registering with the bottom wall of the basin, said inlet port being directed into the basin to one side of the vertical axis thereof and outlet means at the uppermost portion of the periphery of said basin including a submerged weir at the periphery of the basin consisting of a downwardly extending inclined wall portion merging into a perpendicular wall portion with the inclined wall portion set at an angle of approximately 30° at least along a part of its depth toward the center of the basin.

2,136,904
DRAIN BOARD
Thomas J. Litle, Jr., Syracuse, N. Y., assignor to Easy Washing Machine Corporation, Syracuse, N. Y., a corporation of Delaware
Application June 18, 1937, Serial No. 148,975
6 Claims. (Cl. 210—75)



1. In a machine of the class described, a vat, a drainboard, means extending from the lower side of said drainboard and engaging the vat just below the upper edge thereof for supporting the drainboard in drainboard position with respect to the vat, said means enabling the drainboard to be rotated around the circumference of the vat, said drainboard having an upper drainboard surface terminating in an annular lip extending over the upper edge of said vat, said drainboard being held by said supporting means so that said annular lip is spaced from the upper edge of the vat.

2,136,905
FRAME
James F. McAdams, West Somerville, Mass., assignor to A. S. Campbell Co., Inc., East Boston, Mass., a corporation of Massachusetts
Application June 24, 1938, Serial No. 215,575
11 Claims. (Cl. 40—125)



1. A sectional frame for license plates or the like comprising a circuit of hollow sections having inwardly opening slots of restricted width to receive the edge of the plate, and devices received within the sections adapted to be assembled therewith through the ends thereof but not to be withdrawn through the slots, said devices having opposed jaws resiliently pressed toward each other along lines parallel to the slots, between which jaws the edge of the plate may enter and by which it is held.

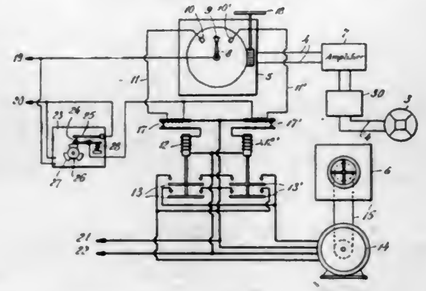
2,136,906
FRAME
James F. McAdams, West Somerville, Mass., assignor to A. S. Campbell Co., Inc., East Boston, Mass., a corporation of Massachusetts
Application July 14, 1938, Serial No. 219,177
7 Claims. (Cl. 40—125)



1. A frame for license plates or the like comprising a circuit of mutually telescoping hollow sections having inturned flanges forming inwardly facing slots to receive the edge of a plate, relatively short members housed in the inner sections having opposed resilient gripping portions presented at the slot adapted to be forced apart by and close in gripping relation on the edge of the plate, the inner sections having openings and the members having inwardly yielding fingers projecting through the openings and engaging the outer sections.

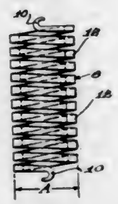
2,136,907
MILL CONTROL
Carl Frederik Løve Røder, Copenhagen, Denmark, assignor to F. L. Smidth & Company, New York, N. Y., a corporation of New Jersey
Application May 17, 1937, Serial No. 143,111
In Great Britain May 18, 1936
1 Claim. (Cl. 83—44)

A crushing or grinding mill in which the level of noise emitted by the mill in operation is a function of the quantity of material therein, a device for automatically controlling the operation of said mill comprising a microphone located near the mill to pick up said noise and translate it into audiofrequency current, an amplifier connected to said microphone for increasing the level of said audio frequency current, a filter connected to the output of said amplifier, said filter being adjustable to select those frequencies indicative of the quantity of material in the mill, contact means adjustably operative in response to current of said selected frequencies to close one of two time-lag relays when said



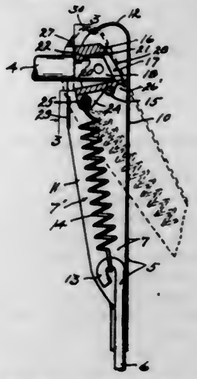
current reaches a preselected minimum or maximum value, respectively, means for adjusting said contact means to close at preselected minimum and maximum values of current, two power relays each controlled by one of said time-lag relays, a reversible motor-actuated controlling device for said mill, an electric power source, contacts connecting said power source to said motor upon operation of either of said power relays, the direction of rotation of said motor being dependent upon which of said power relays is operated, and an off-and-on relay device adjustably controlling the periods of operation of said motor independently of the other relays.

2,136,908
SNUBBER SPRING
Raymond C. Pierce and William C. Hedgcock, Chicago, Ill., assignors, by mesne assignments, to Raymond C. Pierce
Application September 8, 1936, Serial No. 99,773
12 Claims. (Cl. 267—9)



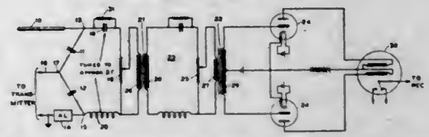
1. In a friction absorbing device the combination of inner and outer coils having a plurality of turns wound in reverse directions, said inner coil having an outside diameter normally greater than the inside diameter of said outer coil and having means for torsionally winding same for insertion into said outer coil, said inner coil being formed of substantially rectangular stock, and means confining said inner coil to a maximum height whereby said inner coil presents a substantially smooth cylindrical outer surface.

2,136,909
WINDSHIELD CLEANER ARM ATTACHMENT
Theodore J. Scofield and Arthur B. Winchell, Jackson, Mich., assignors to The Sparks-Withington Company, Jackson, Mich., a corporation of Ohio
Application December 17, 1935, Serial No. 54,871
11 Claims. (Cl. 15—255)



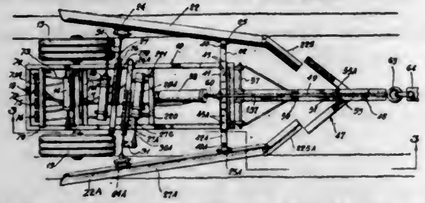
1. In a windshield cleaner, an actuating shaft, a wiper carrying arm member and means releasably securing the arm member to the shaft for swinging movement substantially parallel with the axis of said shaft comprising an attachment head member removably mounted on the actuating shaft to be rocked thereby and to have a limited swinging movement relative thereto in a direction parallel with the axis of the shaft for movement into and out of interlocking engagement therewith, means pivotally connecting the head member to the arm member, and a spring connected with the head and arm members at one and the same side of said pivotal means for rocking said head and arm members in opposite directions about the pivot to bring the head into holding engagement with the shaft and to yieldingly urge the arm member toward the windshield glass.

2,136,910
SUBMARINE CABLE RECEIVING SYSTEM
Harold F. Wilder, Radburn-Fair Lawn, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application April 17, 1937, Serial No. 137,573
5 Claims. (Cl. 178—63)



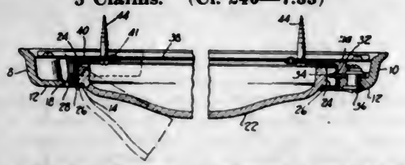
1. In a system for receiving signals from a conductor having phase and attenuation distortion, a correcting network of capacity, resistance and inductance elements arranged to form a tuned series circuit resonant at approximately twice the fundamental signalling frequency, means for impressing said signals upon the terminals of said network, an output circuit for said network including at least a portion of said resistance element and excluding any other element of the network, a translating device, and means for interconnecting said output circuit with said translating device.

2,136,911
DITCH DIGGER AND CLEANER
Ernest V. Briscoe, Kerman, Calif.
Application January 7, 1937, Serial No. 119,431
10 Claims. (Cl. 37—98)



1. In a device for cleaning ditches having a carriage consisting of an axle and wheels at either end thereof, a frame mounted on said carriage, scraper blades carried on either side of the frame means for adjusting either end of the scraper blades selective distances from said frame, a tongue pivotally connected to the frame, said pivotal connection of the tongue being adapted to permit a vertical movement of the tongue and frame relative to each other, means for anchoring the end of the tongue opposite to the pivotal connection, and means for raising the front end of the frame and the rear end of the tongue consisting of a post or brace attached to the tongue, a closed cylinder pivotally attached to the frame, a piston within the cylinder, a piston rod attached at one end to the piston, and at the other end pivotally attached to the post, and means for conducting fluid pressure at will to either end of the closed cylinder.

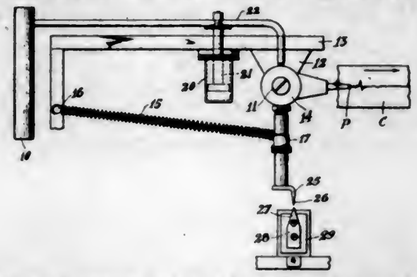
2,136,912
HINGE MECHANISM FOR LIGHTING FIXTURES
Leroy C. Doane, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut
Application May 29, 1937, Serial No. 145,427
5 Claims. (Cl. 240—7.35)



1. A lighting fixture comprising a substantially horizontal frame having end and side walls, one wall having an interior recess and the opposite wall a groove terminating in a recess, a shade, a band for the shade receivable in said frame, and a hinge connection between the band and frame comprising a pin carried by the band and supported in said recesses, said pin being positioned by diagonal movement in the groove.

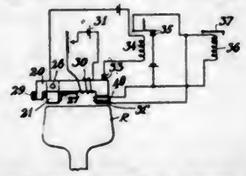
2,136,913
ROADWAY INSPECTING MEANS
James A. Drain, Jr., and Walter M. Perry, Brooklyn, N. Y., assignors to Sperry Products, Inc., Brooklyn, N. Y., a corporation of New York
Application June 26, 1934, Serial No. 732,484
3 Claims. (Cl. 73—51)

1. In a device for indicating irregularities in a surface, said device being adapted to be mounted on a vehicle which responds to said irregularities, an inertia member pivotally mounted on said vehicle, an indicator, means whereby said indicator is actuated in response to relative movements between said vehicle and said inertia member, and electromagnetic means interposed between said vehicle and said member for normally applying a predetermined force and preventing actuation of said indicator, said electro-



magnetic means being adapted to be rendered ineffective to prevent actuation of said indicator when the force tending to displace said member relative to said vehicle exceeds said predetermined force.

2,136,914
MEANS FOR DETECTING FLAWS
Harcourt C. Drake, Hempstead, N. Y., assignor to Sperry Products, Inc., Brooklyn, N. Y., a corporation of New York
Application April 21, 1933, Serial No. 667,145
14 Claims. (Cl. 175—183)



1. A device for detecting flaws in electrical conductors, comprising means for passing electric current through the conductor under test to establish an electromagnetic field surrounding the same, means positioned in said field for establishing a magnetic circuit, said circuit including the conductor, a movable member in said circuit adapted to move in response to variations in flux in said circuit, an induction coil carried by said movable member and means for indicating the induced voltages in said coil.

2,136,915
SILVER ALLOYS
Kenneth L. Emmert, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Application September 11, 1937, Serial No. 163,435
5 Claims. (Cl. 75—173)

1. An alloy composed of 0.1 to 5% nickel, 0.5 to 25% cadmium, 0.5 to 35% copper and the balance substantially all silver, said alloy being characterized by less tendency to oxidize or sulfide than a straight silver-copper alloy and greater homogeneity than an alloy of similar proportions wherein iron or cobalt is utilized instead of nickel.

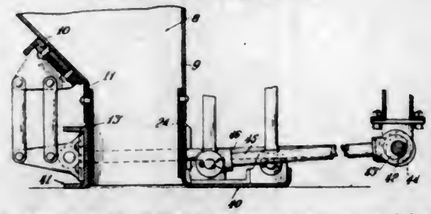
2,136,916
COMMUNION SET
Henry C. Freetag, Henry P. O'Dell, and Fred W. Smith, Kansas City, Kans.
Application April 23, 1936, Serial No. 76,084
1 Claim. (Cl. 206—19)

A communion set comprising a circular, unitary base having an annular groove formed in one side thereof; a circular unitary tray having an annular bead on one side thereof for engaging in said groove of the base when the base and tray are in superimposed relation; a circular unitary cover having an annular bead on the lower side thereof engageable in the groove of said base or the groove of said tray; and a handle and an annular rib on the upper side of said cover, said



cover being tapered from the axis thereof to the outer annular edge to permit a relatively thin marginal edge portion, said rib being integral with said cover to prevent warping thereof, said tray being provided with a plurality of sockets in the bottom thereof for receiving communion glasses, said annular bead on the tray serving as a support for the tray when the same is separate from the base.

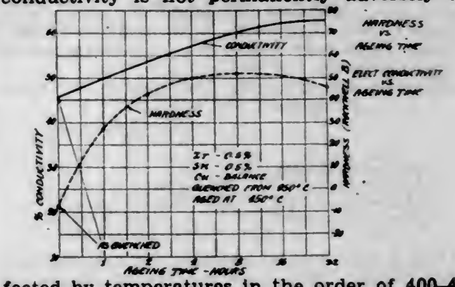
2,136,917
MACHINE FOR TREATING CONCRETE MIX AND LAYING AND SURFACING THE SAME
Alfred W. French, Chicago, Ill.
Application November 21, 1935, Serial No. 50,858
8 Claims. (Cl. 94—46)



1. Apparatus of the type specified comprising a receptacle open at its bottom, a traveling support for the same arranged to maintain the open bottom of the receptacle spaced from a surface upon which the contents of the receptacle are adapted to be deposited progressively, a pair of opposed spaced apart members disposed so that the contents of the receptacle must pass between the same in passing out of the bottom orifice of the receptacle, and mechanism for effecting relative rapid intermittent movements to said members to vary appreciably their normal spaced apart relation to each other and thereby impart compacting impacts progressively to the flowing material within a zone disposed between the top and bottom of the mass thereof said members being spaced from the said surface and determining substantially the depth of mix deposited thereupon, the mix last deposited constituting the said bottom portion of the mass.

2,136,918
COPPER ALLOYS
Franz R. Hensel and Earl I. Larsen, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application September 15, 1937, Serial No. 164,039
1 Claim. (Cl. 75—154)

An age-hardened alloy containing about 0.1 to 10% tin, about 0.05 to 5% zirconium, and the balance substantially all copper, characterized by a combination of high hardness and high electrical and heat conductivity and further characterized by the fact that its hardness and conductivity is not permanently adversely af-



fected by temperatures in the order of 400–450 degrees C.

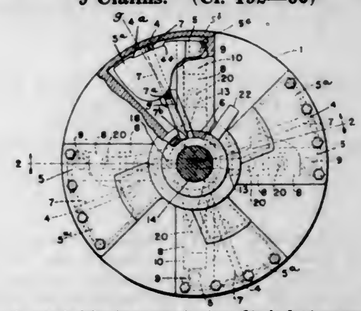
2,136,919
COPPER ALLOYS OF IMPROVED CHARACTERISTICS
Franz R. Hensel and Earl I. Larsen, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Application July 13, 1938, Serial No. 218,970
3 Claims. (Cl. 75—154)

1. An age hardened alloy composed of:

	Per cent
Beryllium	.03– 3
Silver	.05– 4
Tin	.05–12

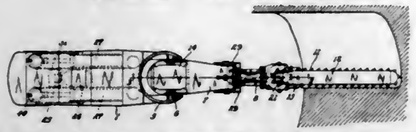
Balance substantially all copper characterized by high hardness and electrical conductivity, and further characterized by the fact that its hardness and conductivity are not permanently adversely affected by elevated temperatures.

2,136,920
FLUID CLUTCH
Marley G. Hill, Brooklyn, N. Y.
Application July 27, 1937, Serial No. 155,883
9 Claims. (Cl. 192—60)



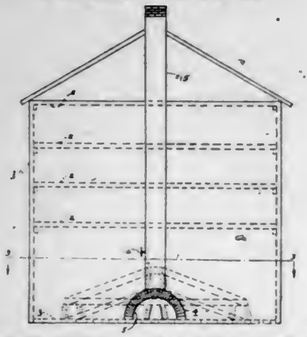
1. A variable transmission link between a driving and a driven shaft comprising a cylinder and piston type of fluid pumping system in which the pump piston elements of the system are carried by one shaft and the pump cylinder elements by the other shaft, the two sets of elements being rotatable together by the driving shaft without transmitting motion to the driven shaft, such rotation of the elements being about different centers spaced apart to cause the piston elements to reciprocate in rotation with respect to the cylinder elements, pivotally mounted valves centrifugally actuated for varying the flow of fluid to and from the cylinders to regulate the aforesaid reciprocation and establish transmission from the driving to the driven shaft and means for shifting the valve pivots to vary the centrifugal actuation of the valves.

2,136,921
MINING APPARATUS
Joseph F. Joy, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application December 30, 1935, Serial No. 56,624
6 Claims. (Cl. 262—28)



1. In a kerf-cutting machine, in combination, a kerf cutter, hydraulically operated means for feeding the kerf cutter during the cutting operation, an electric motor for driving the kerf cutter, and means governed by the power taken by said motor for automatically reducing the pressure exerted by said hydraulically operated feeding means when the difficulty of cutting increases, said automatic pressure reducing means including a device movable to regulate the hydraulic pressure and a solenoid for controlling said device, said solenoid so connected relative to the motor circuit that a variation in motor current is attended by an alteration in the force exerted by said solenoid and said controlling device, when the current taken by said motor exceeds a predetermined amount, operating to preclude overloading of said cutter driving motor.

2,136,922
TOBACCO CURING SHED AND HEATING PLANT THEREFOR
Herman W. Koester, Acme, N. C.
Application October 19, 1937, Serial No. 169,853
7 Claims. (Cl. 34—19)



4. In combination with a tobacco drying shed, a heating plant for the shed comprising, a combustion chamber, and an elongated passageway inside the shed in communication with said combustion chamber and a chimney in communication with the passageway for venting heated products of combustion from said chamber, said passageway being constructed of brick and building tile with one wall of the tile exposed to the heated products of combustion in the passageway and the open ends of the tile arranged to permit the passage of the air in the shed therethrough.

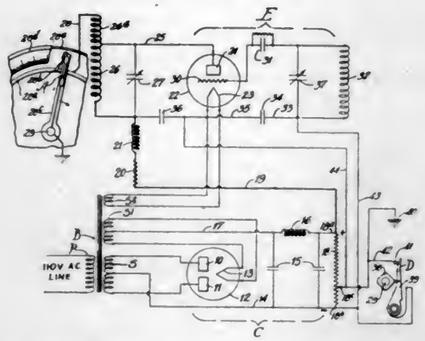
2,136,923
METHOD OF AND DEVICE FOR PRODUCING SLUBBING ON DRAWING FRAMES
Bernhard Pross, Bocholt, Germany
Application June 29, 1937, Serial No. 150,985
In Germany September 23, 1936
5 Claims. (Cl. 19—157)

1. A method for producing slubbing on drawing frames, consisting in feeding the sliver in the state it leaves the drawing frame through a funnel at the last pass of the drawing frame, in resiliently gripping the sliver on all sides as it



leaves the funnel to produce a retarding moment and bring all the fibres even the smallest in parallel, and then feeding the sliver directly between taking up rolls.

2,136,924
LIGHTING NEON TUBES
Ralph W. Reitherman, Chicago, Ill., assignor to Joseph Weidenhoff, Inc., Chicago, Ill., a corporation of Illinois
Application September 24, 1934, Serial No. 745,273
1 Claim. (Cl. 177—311)



In combination, a neon tube, a voltage divider, a distributor breaker, means for applying to the ends of the voltage divider a direct current potential below the ionization potential of the neon tube, an oscillator circuit including an audion tube, the positive end of the voltage divider being connected to one end of the neon tube, the opposite end of the neon tube being grounded, an intermediate point of the voltage divider being connected to the filament of the audion tube, to ground and to the stationary contact of the distributor breaker, and the opposite end of the voltage divider having a negative potential and connected to the grid of the audion tube, and to the movable arm of the breaker whereby closing the breaker points cancels the negative bias of the grid and permits the circuit to oscillate so that the radio frequency voltage thus generated, added to the direct current voltage applied to the tube will light the same and maintain it lighted so long as the breaker points are closed.

2,136,925
COMBINED BEACH HAT AND FAN
Nancy P. Ristell and Arthur Ristell, Chicago, Ill.
Application May 29, 1937, Serial No. 145,444
4 Claims. (Cl. 2—175)

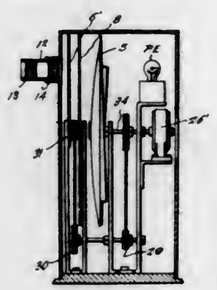
1. A costume article comprising a single sheet of flexible material transversely pleated from one end to the other, means for securing one set of ends of said pleats in gathered relation, a tie

member at said gathered set of ends, and means for detachably connecting the last pleat at one



end of the sheet to the last pleat at the other end of the sheet in juxtaposed relation.

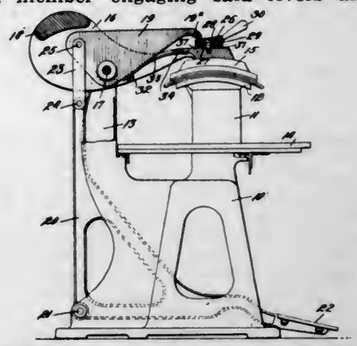
2,136,926
SCANNING DEVICE
James Michael Robinson, Evansville, Ind.
Application February 5, 1936, Serial No. 62,537
2 Claims. (Cl. 178—7.6)



1. In a television apparatus and optical system, a scanning device having a pair of rotary scanning disks in combination, one of said scanning disks having a plurality of radial slots spaced circumferentially thereabout and the other disk being of transparent material in the form of a lens of uniform optical strength, said lens having its surface rendered opaque except for three spiral paths thereon, each of said paths having a transparent coating of one of the three primary colors, said scanning disks being mounted in such a manner that the radial slots will intersect the spiral paths, and means for rotating said scanning disks in predetermined ratio to the other from a common power source.

2,136,927
MEANS FOR SUPPORTING AND ADJUSTING A GARMENT PRESS HEAD
Carl Schaum, Wyncote, Pa.; Winifred W. Schaum administratrix of said Carl Schaum, deceased
Application April 11, 1936, Serial No. 73,841
8 Claims. (Cl. 38—36)

1. A garment press comprising a frame, a head, a head supporting lever and a head operating lever pivotally mounted on the frame, a movable adjusting member disposed between the head supporting lever and said operating lever, means for exerting a thrust upon said head operating lever to force it against said member, and a spring member engaging said levers and ar-

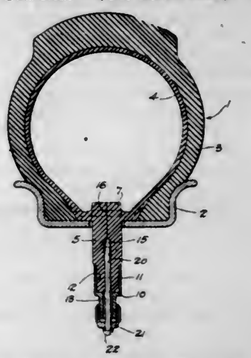


ranged to hold the operating lever in contact with the movable adjusting member.

2,136,928
MANUFACTURE OF AMINES OF HIGH MOLECULAR WEIGHT, WHICH ARE RICH IN NITROGEN
Paul Schlack, Berlin-Treptow, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany
No Drawing. Application December 9, 1935, Serial No. 53,613. In Germany December 10, 1934
9 Claims. (Cl. 260—2)

1. A process of producing a resinous amine rich in nitrogen, which comprises reacting a compound selected from the group consisting of alkylene polyoxides, alkylene polyimines and alkylene polysulfides with a compound selected from the group consisting of ammonia, mono- and polyamines and their salts containing at least two replaceable hydrogen atoms linked to nitrogen, said nitrogen being linked to saturated carbon atoms.

2,136,929
INFLATING AND CLOSURE MEANS FOR PNEUMATIC TIRES
Thomas E. Adams, Angola, N. Y.
Application March 18, 1938, Serial No. 196,672
7 Claims. (Cl. 152—415)



1. In combination, a pneumatic tire, a stem of elastic material carried thereby, said stem having a bore throughout a substantial portion of its length opening through its outer end and a capillary duct extending from the bore through the inner end of the stem, a fitting secured to

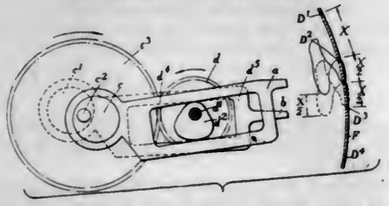
and surrounding the outer end portion of the stem, a plug insertable into the bore of the stem and of a length to occupy the latter for a substantial portion of its depth and being of a diameter to tightly fit the bore, and a cap secured to the outer end of the plug for application to the fitting.

2,136,930

CLAW FEED MECHANISM FOR MOTION PICTURE APPARATUS

Hermann Friedrich Albrecht, Berlin-Friedrichshagen, Germany, and Leslie Ernest Thomas Branch, London, England, assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Application September 10, 1935, Serial No. 39,956
In Great Britain August 2, 1935
6 Claims. (Cl. 88—18.4)



1. In a film advancing mechanism for feeding a film which is provided with perforations longitudinally spaced at a definite pitch, the combination with a pair of link members each including a claw for entering said film perforations and engaging said film, of a pair of actuating members operatively connected to respective link members and for alternatively reciprocating said link members into and out of said film perforations, and a second pair of actuating members also operatively connected to respective link members, each for advancing the associated claw a distance of one-half the film pitch, and each located with respect to each other and to the corresponding one of the first mentioned pair of actuating members so that one claw is advanced to move the film for a distance of one-half the film pitch during its engagement with the film and the other claw is advanced to move the film for a distance of the other half of the film pitch during its engagement with the film.

2,136,931

METHOD OF MAKING ABRASIVE ARTICLES

Raymond C. Benner and George J. Easter, Niagara Falls, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

No Drawing. Application September 11, 1937, Serial No. 163,436
3 Claims. (Cl. 51—280)

1. The process of manufacturing metal-bonded abrasive articles which comprises coating nonmetallic abrasive particles with an amalgam, thereafter mixing the amalgam-coated particles with a metal powder free from mercury to form an abrasive mixture, and forming and sintering said mixture.

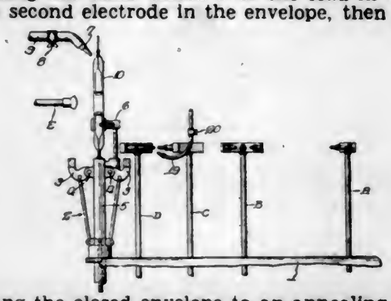
2,136,932

METHOD OF MAKING AN ELECTRODE ASSEMBLY

Frank O. Budnick, Chicago, Ill.

Application July 13, 1936, Serial No. 90,437
5 Claims. (Cl. 49—81)

1. The herein described method of producing an electrode assembly which consists of first heating one open end portion of the assembly envelope to a plastic state and pressing it closed over the lead-in wires of an electrode in the envelope, then heating the remaining open end portion of the envelope to a plastic state and pressing the same closed over the lead-in wires of a second electrode in the envelope, then subjecting the closed envelope to an annealing heat and simultaneously controlling the internal temperature of the envelope for preventing the expansion or contraction of air trapped therein while the heated portions of the envelope harden.

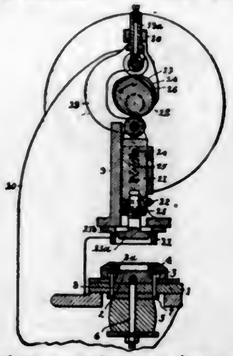


2,136,933

MANUFACTURE OF SHEET METAL CAPS

Edgar A. Calleson, Merrick, N. Y.

Application July 25, 1935, Serial No. 33,043
3 Claims. (Cl. 113—42)



1. Mechanism to reform a sheet metal cap including an anvil adapted to be capped by and formed snugly to fit within the cap and having a concentric upstanding top flange substantially at its periphery defining a top recess in the anvil, a plunger above and adapted to be received in and formed approximately to fit said recess, a die instrumentality embracing the anvil and formed with a die-surface which in cross-section is beveled upwardly approximately to the side of the die, and means to move the plunger to a prescribed limit down into the recess and, while it is so moving, move said instrumentality up and thereupon continue the upward movement of said instrumentality, whereby a cap made to cap the anvil and having its skirt above the die-surface will be first formed by said plunger and anvil-flange with an upstanding peripheral bead and then have the lower edge of its skirt enlarged in diameter by said die-surface.

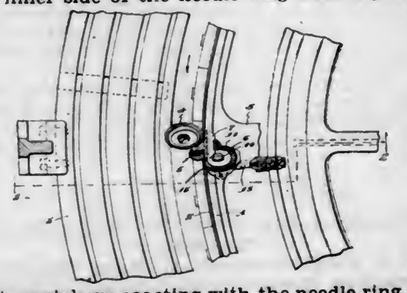
2,136,934

TUBULAR KNITTING MACHINE

Raymond H. Carhart, East Syracuse, N. Y., assignor to W. C. Lipe, Inc., Syracuse, N. Y., a corporation of New York

Application January 24, 1938, Serial No. 186,592
7 Claims. (Cl. 66—79)

1. In a tubular fabric knitting machine including a suitable bed, a rotating needle ring, and sets of knitting mechanism carried by the bed and stationary with respect to rotation of the needle ring, each set including a burr wheel located on the inner side of the needle ring with a portion of its periphery coacting with the needle ring and cloth adjacent the ring; of means adjacent said burr wheel for coacting with the cloth to relieve the burr wheel of abnormal strains being transmitted from the cloth to the burr wheel due to roughness and imperfections in the cloth.

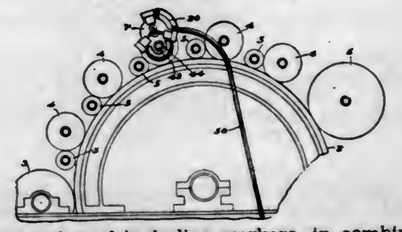


2,136,935

APPARATUS FOR USE IN STRIPPING WOOL CARDS

Ernest Clark, Brockton, Mass.

Application December 10, 1936, Serial No. 115,143
7 Claims. (Cl. 19—108)



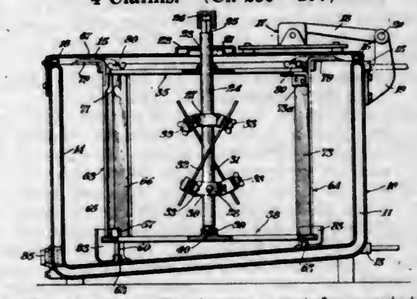
1. A wool card including workers, in combination with a motor removably mounted on the end of one of said workers and operative to revolve said worker independently of the others, the connection between said motor and said shaft including coupling means axially slidable on the shaft of any of said workers, whereby the motor may be instantly connected with, or disconnected from, any selected worker.

2,136,936

BUTTERMILK CHURN

Julius Cohen, New York, N. Y.

Application March 22, 1938, Serial No. 197,363
4 Claims. (Cl. 259—107)



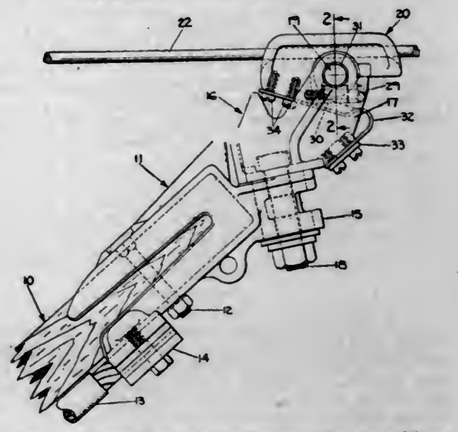
1. In a buttermilk churn, a vat for containing a fluid, a fluid heating jacket surrounding the lateral wall of the vat, an agitator shaft extending into the vat and adapted for attachment to suitable exteriorly disposed motor means, agitator blades secured to the shaft for imparting a rotary movement to the fluid, an upper and a lower support each containing bearing means in operative engagement with said shaft, supporting means holding said supports in fixed spaced relation, and baffle means associated with certain of said supporting means for intercepting the rotating fluid to produce a mechanical agitation thereof, said baffle means including a vertical plate provided with a flat baffle element extending longitudinally of the plate and radially inwardly, said lower support containing a pair of spaced upstanding pins flanking said baffle element to prevent lateral movement thereof.

2,136,937

TROLLEY GLIDER

Benjamin G. Cooper, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio

Application December 8, 1937, Serial No. 178,773
10 Claims. (Cl. 191—59.1)



1. In a trolley current collector, the combination with a trolley harp having spaced walls with bearing surfaces, a one-piece collector shoe positioned between the spaced walls of said harp, said shoe having a transversely extending groove therein, a supporting pin extending through said shoe groove and having ends journaled in said bearing surfaces and having a transversely extending groove into which said shoe extends, and means cooperating with the grooved structure of said pin and shoe to maintain said shoe attached to said pin.

2,136,938

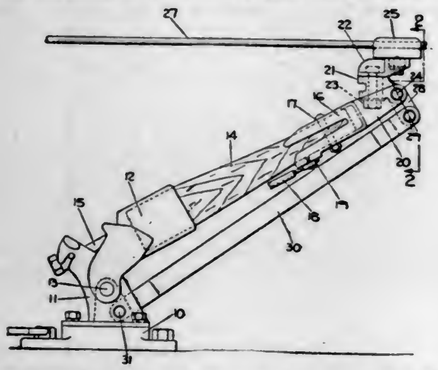
TROLLEY CURRENT COLLECTOR

Benjamin G. Cooper, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio

Application December 11, 1937, Serial No. 179,350
2 Claims. (Cl. 191—59.1)

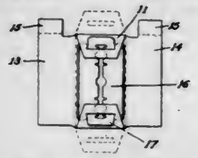
1. In a current collector, the combination with a base, of a trolley pole pivoted thereto on a horizontal axis, a non-rotary current collecting shoe having a substantially horizontally extending concave trolley wire contacting area in the top thereof, means rigidly attached to said shoe and pivotally connecting said shoe to the upper end of said trolley pole, a link pivotally connected at one end to said base and at the other

end to said means, said pivotally connected members forming a positive parallel motion mecha-



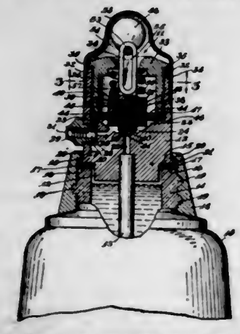
nism constructed and arranged to maintain said shoe horizontal during upward and downward movement thereof.

2,136,939
PROTECTED BLADE AND PACKET
Joseph Stanley Currie, Winthrop, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application October 16, 1936, Serial No. 105,960
3 Claims. (Cl. 206—46)



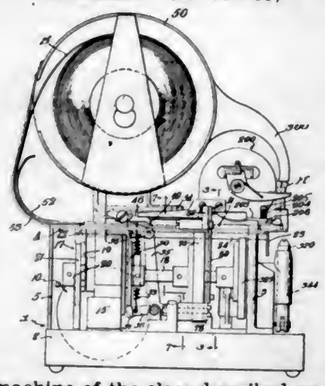
1. A protected blade enclosed in a wrapper which has tabs folded over the ends of the blades, and side flaps each defined by a longitudinal fold line and each having a flat tongue in one edge set off by a recess located outside the fold line of the flap.

2,136,940
ATOMIZER
Adolf Ehbrecht, New York, N. Y., assignor to The Aromel Corporation, New York, N. Y., a corporation of New York
Application July 2, 1936, Serial No. 88,502
1 Claim. (Cl. 299—95)



In an atomizer, a container for liquids to be sprayed, a conduit in the head of the container leading from the interior to an outlet thereof, a valve for sealing said conduit between the interior and the outlet, a coil spring acting axially, and a diaphragm acting peripherally of said valve to maintain the same in sealing position, and a lever attachable to one end of the said valve and adapted to be fulcrumed on the head of said container for displacing said valve against the action of said spring and diaphragm, said valve having a chamber in which said lever rests when not in use, the said lever having a slot and said valve a pin, whereby said lever may be displaced from the valve chamber for fulcruming action on the head of said container at right angles to said valve.

2,136,941
ATTACHING AND PRINTING MACHINE AND METHOD
Carl A. Flood, Framingham, Mass., assignor to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts
Application August 20, 1935, Serial No. 36,989
23 Claims. (Cl. 93—88)

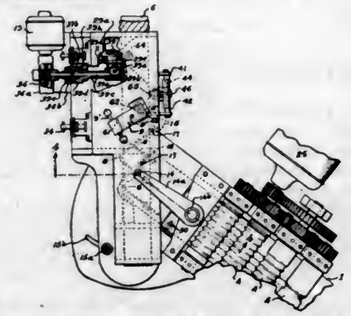


1. A machine of the class described comprising ticket feeding means and including a platen, printing means including two sets of adjustable printing wheels arranged so that the wheels of one set are parallel to but out of the planes of the wheels of the other set, and operating mechanism for said feeding means arranged to cause the latter to direct a ticket into engagement with one of said sets of wheels and then move the ticket along a generally transverse path and into engagement with the other set of wheels so that the two sets of wheels print adjoining portions of the ticket.

2,136,942
METHOD AND APPARATUS FOR MAKING HELICAL LOCK SEAM CULVERTS
Jonathan Roy Freeze, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Application October 23, 1934, Serial No. 749,579
18 Claims. (Cl. 113—35)

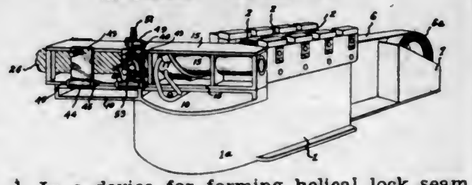
1. In a machine for forming helical lock seam pipe, means for feeding stripsheets, means for forming a U shaped bead along one edge of the sheet, and an L shaped flange along the other, a stationary mandrel angularly disposed with respect to the path of the sheet, means to guide the sheet around the said mandrel, means to guide the said flange into the said bead, whereby a seam is formed running helically around the formed pipe, means to compress the seam, and progressive means to incline the seam, and means to press the seam solidly home against the formed pipe, said

seam forming means being movable axially of said mandrel to compensate for variability in the location of said seam.



18. A process of forming helical pipe which comprises forming cooperative seam elements on said strip, thrusting it forward under power into external forming means set at an angle to the direction of movement of said strip so as to give said strip a helical form by contact of said strip with said external forming means, causing said seam elements to interengage, locking said seam elements, and while locking said seam elements imparting to said pipe a rotating movement beyond said forming means so as to slightly contract said pipe and to relieve strain on said forming means.

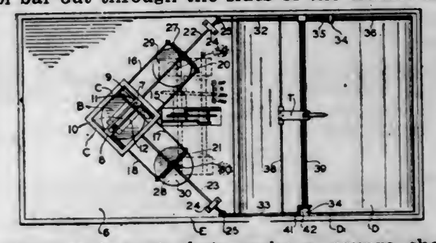
2,136,943
MANUFACTURE OF HELICAL LOCK SEAM PIPE
Jonathan Roy Freeze, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Application January 2, 1936, Serial No. 57,163
12 Claims. (Cl. 113—35)



1. In a device for forming helical lock seam pipe, means for forming seam elements on the edges of metal strip, feeding means, a mandrel located with its axis at an angle to the direction of feed of said feeding means, a rigid forming member located about the said mandrel and fixed with respect to said mandrel and said feeding means, said feeding means serving to force said strip between said mandrel and said rigid forming member, said rigid forming member serving to form said strip into helical convolutions with said seam members interengaged and to locate the seam thus formed in a fixed position relative to said mandrel in any plane passing through the axis thereof during the progressive formation and rotation of said pipe, and means cooperating with said rigid forming member for correcting distortion of one of said seam forming elements during the formation of said helical convolutions.

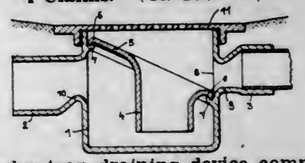
2,136,944
TRAVERSOGRAPH
Guy A. Hart, Salt Lake City, Utah
Application May 14, 1937, Serial No. 142,579
6 Claims. (Cl. 33—141.5)

1. In a device of the class described, the combination of a casing; a drum mounted for rotation in one end thereof and a gyroscope mounted in the other end; means to drive said gyroscope; a control plate mounted through a platform in said casing onto said gyroscope having a stub shaft extending above said plate, said gyroscope to control the rotative action of said plate depending upon the deviation from a true course; a framework mounted around and above said control plate; master control bars mounted in said framework each having a central longitudinal slot therein engaging on said stub shaft; rotatable friction plates mounted in said platform; rods extending from each master control bar out through the sides of the framework



to a cross bar at their ends; a square shaft mounted between each pair of said bars and having its free end connected to a universal joint; a vertical friction disc mounted on said square shafts to transmit motion from said friction plates to said square shafts to drive said universal joints; a shaft extending back from each universal joint one carrying a worm on its end to drive said drum; a set of bevel gears mounted on the end of the other rearwardly extended shaft; a screw driven by said gears said screw mounted to rotate on an axis parallel to said drum; a support bar spaced from said screw; and a stylus pen mounted to slide on said bar and be actuated by said screw.

2,136,945
ODOR-TRAP DRAINING DEVICE
Felix Klein, Brunn, Czechoslovakia
Application April 14, 1938, Serial No. 201,943
In Czechoslovakia March 30, 1937
4 Claims. (Cl. 182—20)



1. An odor-trap draining device comprising a chamber having at least one inflow aperture and one outflow aperture, an immersion pipe removably arranged in said chamber said immersion pipe having an inclinedly arranged attachment flange engaging within said chamber, an inflow pipe socket inwardly recessed at its upper wall and extended laterally in order to permit the inflow aperture to be arranged at the lowermost position, the lower edge of said inflow aperture being at least at the same level as the lower edge of the outflow aperture.

2,136,946
METHOD OF MAKING BEARING STRUCTURES
Frederick T. McCurdy, Kokomo, Ind., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application June 18, 1935, Serial No. 27,160
5 Claims. (Cl. 29—149.5)

1. The method of manufacturing bearings,

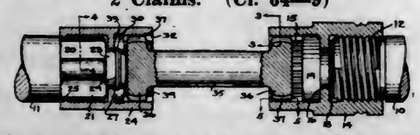
bushings and the like having a wearing or bearing surface composed of a wear-resistant alloy having substantially the hardness, limited forgeability, and limited machinability of the cobalt-chromium-tungsten alloys described herein, which method comprises depositing by fusion welding a layer of such wear-resistant alloy upon one side of a flat and relatively soft metal backing plate; forming the composite plate thus produced, by plastic deformation, to substantially the desired shape; and grinding the wearing or bearing surface to the required smoothness.

2,136,947

COUPLING

Myles Morgan, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts

Application March 26, 1936, Serial No. 70,918
2 Claims. (Cl. 64—9)



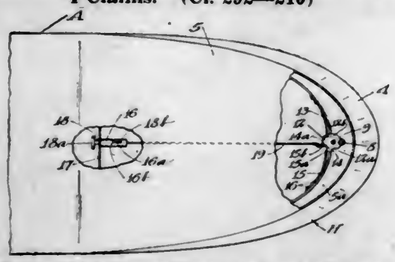
1. A coupling comprising an outer member shaped to provide an annular series of internal gear teeth having a cylindrical pitch surface, and an inner member shaped to provide an annular series of external gear teeth which interfit with the internal teeth, the pitch surface of the external gear teeth being spherical, and the external gear teeth decreasing in thickness in a radially outward direction.

2,136,948

LOCKING DEVICE FOR AUTOMOBILE HOODS

Hilbert J. Nyhus, Grand Forks, N. Dak., assignor of one-third to Earle L. Nyhus, Fargo, N. Dak., and one-third to John Tangen, Grand Forks, N. Dak.

Application April 15, 1937, Serial No. 137,016
4 Claims. (Cl. 292—210)



1. In combination with an automobile having a hood including a lid portion horizontally hinged at its rear end to a main hood portion so as to be upwardly and rearwardly swingable relative thereto and provided with a latch at the forward end of said lid portion including an element rotatable in response to manipulation of means situated on the exterior of said lid portion for setting and releasing said latch, a shoulder formed on said element facing circumferentially thereof in the direction of latch-releasing movement thereof, a stop element shiftable into and out of engagement with said shoulder when said latch s engaged, means yieldably urging said stop element toward its shoulder-engaging position, an operating element situated within said automobile and accessible to a driver thereof, and connection means between said operating element and said stop element whereby said operating element may be manipulated to effect withdrawal of said stop element from engagement with said shoulder.

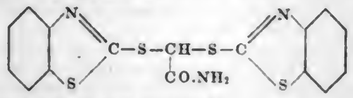
2,136,949

ACCELERATION OF VULCANIZATION OF RUBBER

Ludwig Orthner, Leverkusen-on-the-Rhine, and Ewald Zaucker, Cologne-Mulheim-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Original application June 23, 1931, Serial No. 546,418. Divided and this application July 1, 1932, Serial No. 620,526. In Germany June 30, 1930
9 Claims. (Cl. 18—53)

1. The process which comprises incorporating within rubber a vulcanizing agent and a compound of the formula:—



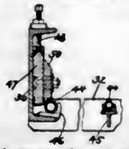
and vulcanizing the mixture.

2,136,950

STRETCHING APPARATUS FOR SCREEN CLOTHS

Gustave A. Overstrom, Big Sur, Calif.

Application December 20, 1935, Serial No. 55,350
5 Claims. (Cl. 209—403)



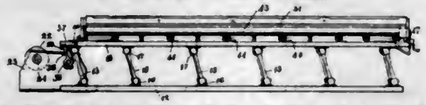
5. The combination with a screen box, including side walls and a screen cloth, of a pair of transversely curved supports positioned in the screen box parallel to and spaced from the side walls, members slidably mounted on the inner faces of the side walls, and means for moving said members parallel to said side walls to project one side of said members into and out of the spaces between the supports and side walls, said members having a uniform thickness substantially equal to the distance between each support and its adjacent side wall, the screen cloth extending between and overlying the supports having its edges lying between the side walls and said members, whereby when the members are moved into said spaces the screen cloth has no relative movement with respect to said members and is tensioned between said supports.

2,136,951

VIBRATORY STRUCTURE

Gustave A. Overstrom, Big Sur, Calif.

Application April 29, 1936, Serial No. 76,923
9 Claims. (Cl. 74—26)



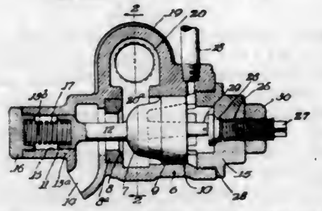
1. In an apparatus of the nature described, a deck to receive the material to be treated, a frame carrying said deck, a positive differential drive mechanism connected to said frame to impart vibratory movements thereto, in combination with spring legs for floatingly supporting said frame, said legs being constructed to yieldingly resist the action of the positive drive mechanism and so disposed angularly relatively to each other as to cause a tossing action to be imparted to the material carried by the deck, and in a direction inclined to the line of reciprocatory movements imparted to the deck.

2,136,952

CYLINDER COCK

Curtis W. Ploen, Chicago, Ill., and Augustine R. Ayers, Shaker Heights, Cleveland, Ohio, assignors to The Okadee Company, Chicago, Ill., a corporation of Illinois

Application September 28, 1936, Serial No. 102,924
1 Claim. (Cl. 121—134)



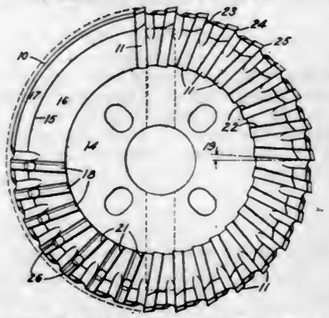
In an automatic cylinder-cock, the combination of a casing provided with a drain-port, a piston within the casing, means for communicating boiler-pressure to one side of the piston and cylinder-pressure to the other side, a valve operable by said piston to close the drain-port, a spring for opening the valve, a cap at one end of the casing, and a screw in the cap for manually closing the valve, the screw having a head at its inner end provided with an inwardly flared annular face, the cap having a correspondingly tapered annular seat against which the face on the head can be forced by the screw to prevent the leakage of steam around the screw.

2,136,953

FACE MILLING CUTTER

Ernest Reaney, Stratford, Conn., assignor to The O. K. Tool Company, Inc., New York, N. Y., a corporation of New York

Application June 11, 1937, Serial No. 147,633
2 Claims. (Cl. 29—105)



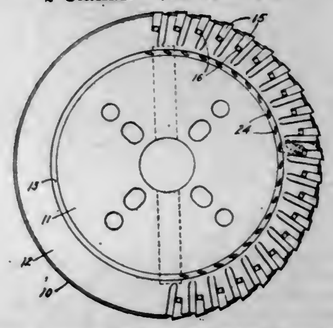
2. An insertable blade milling cutter comprising a body member provided with an integral annulus portion closed along its periphery substantially its full axial length, said annulus having its end face inwardly sloped and provided with a plurality of radial blade slots extending in a direction of said slope, the said slots having their front and rear walls parallel in a radial direction and being single tapered in a direction perpendicular to said end face; single tapered blade members in said slots, each of said blades being relatively long and narrow and the taper thereon extending in the direction of the narrow dimension; complemental interfitting serrations formed upon opposed surfaces of each blade and blade slot, said serrations likewise extending crosswise the blades whereby adjustment of the blade one or more serrations radially outwardly increases simultaneously the face cutting edge in accordance with the formula X serrations times sine of the angle of said slope, and the peripheral cutting edge in accordance with the formula X serrations times the cosine of the angle of said slope, where X equals the spacing of said serrations, said blades being held firmly in position solely by the wedging action of the single taper.

2,136,954

FINISHING CUTTER

Ernest Reaney, Stratford, Conn., assignor to The O. K. Tool Company, Inc., New York, N. Y., a corporation of New York

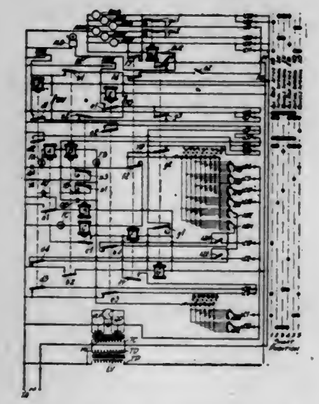
Application January 25, 1938, Serial No. 186,803
2 Claims. (Cl. 29—105)



1. In an inserted blade finishing cutter means for releasing the blades for readjustment or replacement without removing the cutter assembly from the spindle of a machine tool, combining a cutter body member having an outwardly flared cone shaped rim portion and a plurality of blade receiving slots formed in the periphery thereof, said slots extending across the rim with their bottom walls paralleling the outer cone shaped surface of the rim and being tapered in a direction substantially crosswise their length; complementally crosswise tapered blade members inserted in said slots and adapted to be clamped therein by a wedging action; a series of parallel serrations on one surface of each blade and the engaging surface of its related blade slot, said serrations extending crosswise the blade and blade slot and affording means for readjusting the blade in unit increments in the direction of the longitudinal axis of the blade and blade slot; angularly disposed cutting edges formed on each blade, one of said edges being parallel to the general plane of the cutter, and the other edge parallel to the cutter axis, said adjusting means, in cooperation with the incline of said blade, serving to advance said cutting edges simultaneously in two directions; and means operable from the face of the assembled cutter for releasing the blades from said clamped position in the body comprising a drift pin member adapted to be inserted in an opening provided in said rim intersecting the inclined bottom wall of each blade slot through which a force may be applied to the blade for releasing same, said opening having its

axis parallel to the taper on said blades and inclined forwardly and away from the general plane of the cutter as to be accessible for blade removal and adjustment purposes when the assembled cutter is mounted in position on a machine tool spindle.

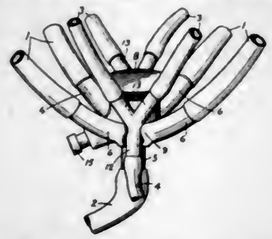
2,136,955
TRAFFIC CONTROL SIGNAL
Percy Bailey Renshaw, Liverpool, England, assignor, by mesne assignments, to Automatic Telephone & Electric Company Limited, London, England
Application July 19, 1933, Serial No. 681,051
In Great Britain July 23, 1932
17 Claims. (Cl. 177—337)



1. A traffic control system for an intersection of a plurality of traffic lanes including in combination signalling means for according and interrupting right of way in each of the lanes, traffic actuated means in each of the lanes, and a timer connected to the signalling means and to the traffic actuated means and adapted to cause the signalling means to interrupt and transfer right of way between the lanes in accordance with actuations of the traffic actuated means, means forming a part of said timer and operable to cause said signalling means to interrupt right of way in all lanes within a predetermined period after the last actuation on any lane and until further actuation, and means forming a part of said timer and operable to cause the interruption of right of way in all lanes to be maintained for a shorter predetermined period after the next actuation and before according right of way in the event that such next actuation occurs on a lane different from the lane of such last actuation.

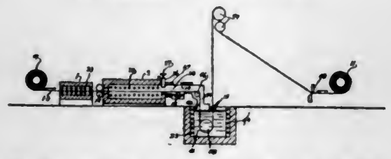
2,136,956
TEAT CUP CLAW
John A. Schmitt, Waukesha, Wis., assignor to The Universal Milking Machine Company, Waukesha, Wis., a corporation of Wisconsin
Application December 15, 1934, Serial No. 757,664
13 Claims. (Cl. 31—83)

1. A coupling device for multiple tubes, including recessed head portions, a plurality of intercommunicating radial branch conduits projecting therefrom and a central dependent conduit intercommunicating with the branch conduits through the head portion, opposed notches in the adjacent sides of certain of the branch conduits, independent tube coupling members detachably engageable in said notches, and a closure cap for the recessed head portion serving



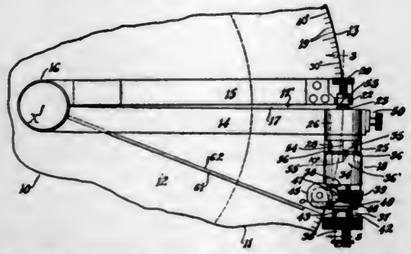
to lock the independent tube coupling members within the said notches.

2,136,957
APPARATUS FOR COATING METALLIC OBJECTS WITH LAYERS OF OTHER METALS
Tadeusz Sendzimir, Katowice, Poland, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Original application July 16, 1935, Serial No. 31,699. Divided and this application July 13, 1936, Serial No. 90,292
11 Claims. (Cl. 91—12.5)



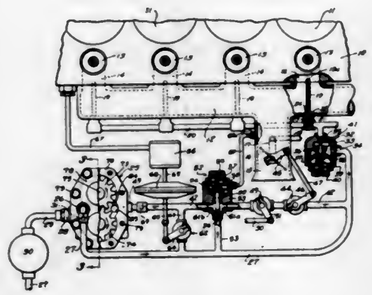
3. In means for coating a metal body with molten metal, means for forming upon the surface of said metal body a thin, uniform, reducible layer comprising metal from said metal body chemically bound, means for reducing said layer to a thin film of the parent metal tightly adherent to said metal body and a coating bath, said elements being in the order named, and means for conducting said metal body from said reducing means to said coating bath while maintaining about said metal body a non-oxidizing atmosphere, said conducting means being so related to the surface of said bath of molten coating metal as to protect with said non-oxidizing atmosphere at least the entrance portion thereof.

2,136,958
MICROMETER APPARATUS FOR ANGLE MEASUREMENTS AND OTHER PURPOSES
Frank Tyson, Canton, Ohio
Application January 23, 1937, Serial No. 122,035
15 Claims. (Cl. 33—75)



10. Micrometer apparatus including two angle bars mounted for selective pivotal movement about the same axis, and micrometer means operatively associated with the angle bars, the micrometer means including a longitudinally movable spacing member operatively mounted on one angle bar, the spacing member having its longitudinal axis of movement tangent to a single circle whose center is on the pivotal axis of the angle bars.

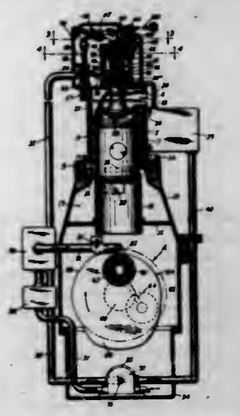
2,136,959
FUEL SUPPLY SYSTEM
Edward A. Winfield, La Canada, Calif.
Application October 26, 1934, Serial No. 750,070
7 Claims. (Cl. 123—139)



3. In apparatus for feeding fuel to internal combustion engines in which air is supplied to an engine cylinder through a throttle controlled suction passage; a positive displacement pump operated in timed relation with the engine, a discharge line leading from the pump, a nozzle fed from said line and continuously discharging fuel into the air stream flowing through said suction passage to the engine, through an orifice located in the suction passage at a point between said throttle and the cylinder, said orifice being exposed to the variable subatmospheric pressure existing in said suction passage, means in said line controlled independently of the pump for maintaining a predetermined back pressure on the fuel stream flowing to the nozzle, said means comprising a valve that continuously passes fuel to said orifice at an increasing rate as the fuel pressure increases, a diaphragm associated with the valve and causing it to open in response to pressure increase in said discharge line to pass fuel at an increasing rate, yielding means resisting opening movement of the valve, a by-pass line leading from said line at a point between said pump and valve to the suction side of the pump, and means controlled independently of the pump for regulating the flow of fuel through said by-pass line to modify said back pressure in accordance with changing conditions of engine operation.

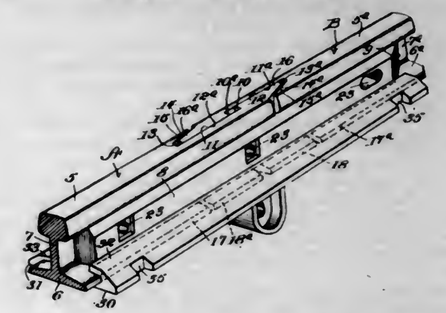
2,136,960
INTERNAL COMBUSTION ENGINE
Allan R. Wurtele, New Roads, La.
Application September 26, 1935, Serial No. 42,195
5 Claims. (Cl. 123—32)

1. In an internal combustion engine, a power cylinder having a port, a valve for said port, pump means for injecting fuel into said cylinder, means for actuating said valve and pump means including a crankshaft having disc-like cheeks connecting the crankpins and main bearing journals thereof, one of said cheeks having an irregular peripheral surface, and force transmitting means interposed between said last named cheek and said valve and pump means



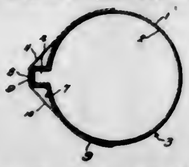
whereby the latter are actuated in timed relation to one another.

2,136,961
RAIL JOINT
John T. Baldwin, Chattanooga, Tenn.
Application November 1, 1937, Serial No. 172,271
1 Claim. (Cl. 238—242)



A rail joint of the class described, comprising, a pair of identical abutting rail sections formed with head, web and flange sections respectively, each of said head sections fashioned with an inner and outer cuneiform section, said inner cuneiform section spaced inwardly from the rail end face, each of said cuneiform sections having a vertical longitudinally inclined abutting surface, said abutting surfaces being parallel, said outer cuneiform section terminating in an end face flush with the rail end face and the inner and outer cuneiform sections of one rail section laterally engaging the outer and inner cuneiform sections respectively of the abutting rail section, each of said web sections being partially cut away and fashioned with a horizontal shoulder abutting the lower face of the cuneiform section of the abutting rail section, each of said flange sections being cut away adjacent the end thereof to accommodate the end of the flange section of the abutting rail section, said cuneiform sections coacting with each other, said shoulders and said cut away flange sections to prevent relative vertical movement and permit longitudinal movement of said rail sections relative to each other.

2,136,962
TUBE CONTAINER FOR MILK BOTTLE CAPS
Charles R. Belk, Sr., Bessemer, Ala.
Application February 5, 1937, Serial No. 124,329
1 Claim. (Cl. 206—46)

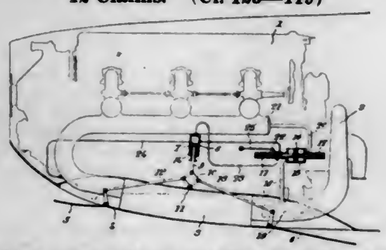


A self-sustaining tube, the major portion of which is cylindrical, the minor portion being in the form of a longitudinally extending crimp providing a groove on the interior of the tube and a ridge on the exterior thereof, a strip of reinforcing material secured to and extending around the said ridge and from the corners formed by said ridge along the outer surface adjacent said corners, and a second strip of reinforcing material secured to the apex of the reinforced ridge and extending from opposite sides of the ridge tangentially to the cylindrical outer surface of the tube to form therewith a truss construction to prevent distortion of the tube, said second strip being extended substantially beyond the lines of contact with said outer surfaces nearest to said ridge and having the parts so extended secured to said outer surface.

2,136,963
FIRE EXTINGUISHING METHOD AND MEDIUM
Heinrich Bertsch, Chemnitz, Germany, assignor, by mesne assignments, to Böhme Fettchemie-Gesellschaft mit beschrankter Haftung, Chemnitz, Germany
No Drawing. Application November 16, 1934, Serial No. 753,406. In Germany November 16, 1933
12 Claims. (Cl. 23—11)

1. A method of extinguishing fire in alcoholic material which comprises covering the burning material with foam produced by a mixture of liquid and a compound selected from the group consisting of high molecular quaternary ammonium, phosphonium and sulphonium compounds.

2,136,964
SUPERCHARGED ENGINE FED THROUGH A RADIATOR SYSTEM
Louis Birkigt, Versoix, near Geneva, Switzerland
Application October 8, 1937, Serial No. 168,053
In Luxemburg June 19, 1937
12 Claims. (Cl. 123—119)



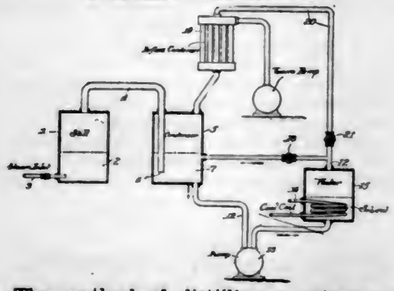
1. In a power plant including an internal combustion engine, a compressor for the feed of said engine, means for conducting air from the compressor to the engine, and a radiator interposed in said conducting means between said compressor and said engine, a device for opposing the formation of frost inside said radiator which comprises, in combination, means for controlling the cooling action of said radiator, and means operative by the pressure drop in said conducting means across said radiator for operating said control means so as to reduce the cooling action of said radiator when said pressure drop increases.

2,136,965
SKI FORM PROTECTOR
Josef Harald Emanuel Carlstedt, Stockholm, Sweden
Application August 31, 1937, Serial No. 161,853
In Sweden March 14, 1936
7 Claims. (Cl. 280—11.37)



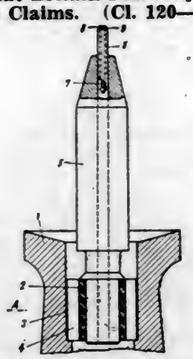
1. A ski-form protector comprising a clamping member adapted to be secured to the front curve of the ski, a movable guide member adapted to be placed transversely at or in proximity to the root of said front curve, a cord between said clamping member and said guide member, an end support adapted to bear against the rear end of the ski, a cord between the said guide member and the said end support, and power amplifying means for stretching said cords.

2,136,966
MANUFACTURE OF QUINONE
Alwin C. Carus, La Salle, Ill., assignor to Carus Chemical Company, Inc., a corporation of Illinois
Application September 25, 1936, Serial No. 102,609
3 Claims. (Cl. 202—46)



1. The method of distilling a quinone which comprises volatilizing the quinone with steam, condensing the vapors in a body of water in the substantial absence of an organic solvent for the quinone, and continuously extracting the quinone from the water by circulation of the water through a body of solvent to maintain the concentration of the quinone therein at a point so low that it will not form a cake in the condenser.

2,136,967
STYLOGRAPH
Julius Donner and Ferenc Jancsó, Budapest, Hungary
Application February 24, 1937, Serial No. 127,543
In Great Britain February 28, 1936
5 Claims. (Cl. 120—44)

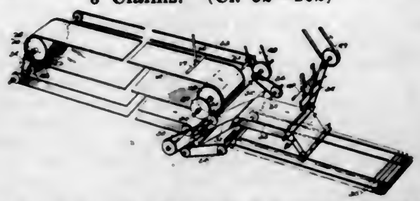


1. A stylograph with a small nozzle on the writing end conveying ink from the ink chamber to the surface to be written upon, having inside the nozzle a wire stem provided with a small knob on its outer end, the said small knob being seated in front of the orifice of the nozzle and overlapping it, and having an ink conduit pipe, and a removable plug of elastic material fitting closely in the mouth piece of the holder inside which the ink conduit pipe is mounted, whereby said nozzle is yieldingly supported for oscillatory movement while writing.

2,136,968
PHOTOGRAPHIC DEVELOPER
Albert B. Doran, Hollywood, Calif., assignor to Carus Chemical Company, Inc., a corporation of Illinois
No Drawing. Application October 26, 1936, Serial No. 107,736
5 Claims. (Cl. 95—88)

4. A rapidly acting photographic developer comprising a salt of a primary aryl amine developer, a halogenated hydroquinone and a thiocyanate, the thiocyanate being present in amount from approximately .02% to 1%, based on the organic developers present.

2,136,969
APPARATUS FOR COOLING LIQUEFIED SOLIDS
Thomas Briley Downey, Haddonfield, N. J., assignor to Kind & Knox Gelatine Co., Camden, N. J., a corporation of New Jersey
Application August 14, 1937, Serial No. 159,183
6 Claims. (Cl. 62—102)



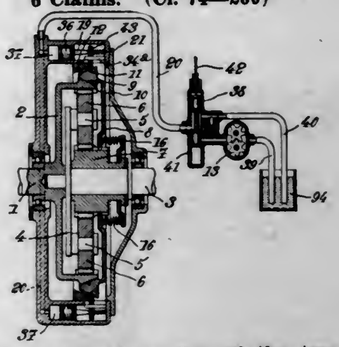
1. An apparatus for cooling liquefied solids and congealing the same into a continuous film having similarly tough skin surfaces, comprising a refrigerating casing, means for circulating and refrigerating air within the casing, a belt conveyor on the receiving end of which liquefied solids settle in the form of a film, said conveyor traversing the casing for gradually moving therewith the film of liquefied solids through the refrigerated area whereby the upper exposed surface of the film becomes chilled and a tough skin is thus formed on said surface, a second conveyor traversing the casing, and means for guiding the film from the discharge end of the first conveyor onto the receiving end of the second conveyor with the chilled skin surface of the film against the second conveyor belt and its opposite surface and edges exposed for the chilling thereof and the formation of a tough skin surface thereon.

2,136,970
FLUID COMPASS
Henning Rudolf Ekeberg, Stockholm, Sweden, assignor to Aktiebolaget Svenska Elektro-Industri Companiet, Stockholm, Sweden, a limited company of Sweden
Application March 29, 1937, Serial No. 133,667
In Sweden April 8, 1936
1 Claim. (Cl. 33—223)



Fluid compass comprising a cover of transparent material, a resilient bottom secured to said cover, a closed chamber between said cover and said bottom, said chamber being wholly filled with a damping fluid, an intermediate partition secured between the bottom and the cover and dividing the chamber into an upper and a lower space, means of communication between said spaces provided in said partition, a compass needle in said upper space, means secured to said partition for journalling the compass needle, an upwardly directed annular flange provided on said partition, an upwardly directed annular flange provided on said resilient bottom, the last named flange being concentric with, and tightly surrounding the first named flange, the upper edge of said flange of the resilient bottom being curved inwardly and then downwardly about the upper edge of said flange of the intermediate partition, a downwardly directed annular flange provided on said transparent cover and concentric with and tightly surrounding said flange of said resilient bottom, and pasting means between said flanges of the bottom and the cover.

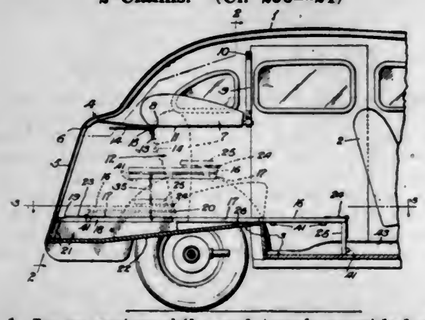
2,136,971
VARIABLE SPEED MECHANISM
Gaston Fleischel, Bleneau, France
Application February 4, 1936, Serial No. 62,382
In France December 9, 1935
6 Claims. (Cl. 74—260)



1. A change speed gearing of the two-stage planetary type between driving and driven shafts, comprising a cycloidal train having three groups of elements, one connected to the driving shaft and one connected to the driven shaft, a non-

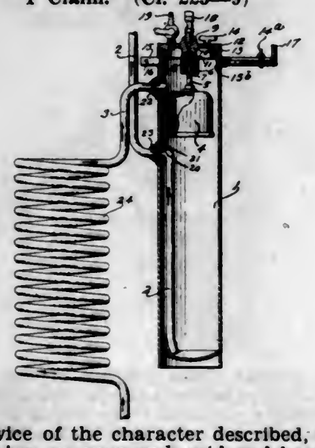
rotatable axially movable control member, means controlled by axial displacement of said control member in one direction to establish a frictional connection between one of said shafts and one of the groups of the planetary system not connected to said shaft for direct drive, and means controlled by axial displacement of said control member in the other direction for frictionally engaging one of said groups to immobilize the same so that the drive takes place at a reduced speed, one of said means engaging before the other means releases and vice versa, and a servomotor connected to said control member to displace the same.

2,136,972
AUXILIARY AUTOMOBILE FLOOR
Harry William Graunke, Cedar Falls, Iowa
Application June 19, 1937, Serial No. 149,279
2 Claims. (Cl. 296—24)



1. In an automobile and trunk provided with an opening therebetween, an auxiliary floor comprising a fixed section rigidly mounted in said trunk and a plurality of movable sections housed in retracted position within said trunk and movable through said opening into extended position in said automobile, and means connecting all of said sections for superposing said movable sections in substantially parallel relation to said fixed section in said trunk.

2,136,973
FOAM CONTROL COOLER FOR BEVERAGES
Albert Hergott, Waterloo, Ontario, Canada
Application March 10, 1937, Serial No. 130,166
In Canada March 24, 1936
1 Claim. (Cl. 225—9)



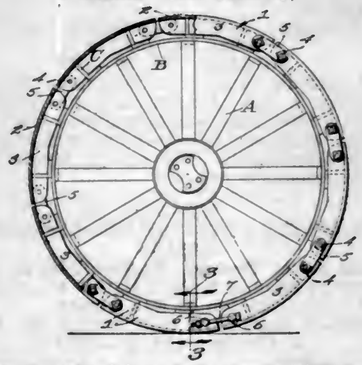
In a device of the character described, a container having an open end, said end having an exterior annular groove, a clamp ring engaged within the groove, a mounting bracket adjustably associated with the ring for mounting of the container within a cooling chamber, a closure head for the container, the clamp ring and head having registered apertures for reception of clamping screws, float controlled air-vent means carried by the head, and liquid inlet and outlet pipes connected with the container.

2,136,974
GARMENT
Meyer J. Kanovitz, Fall River, Mass.
Application April 2, 1938, Serial No. 199,697
5 Claims. (Cl. 2—93)



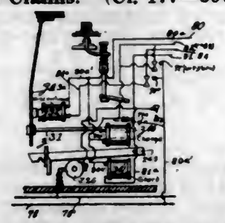
1. A reversible garment comprising two layers of fabrics, the lower edges of said fabrics normally lying in substantially the same plane, one of said layers being of shrinkable material and having a folded portion at its lower edge, said folded portion extending upwardly a substantial distance, and being unattached to said layer, said folded portion adapted to be extended to compensate for shrinkage in said fabric so that the lower edge of the shrinkable material may again be positioned in substantially the same plane as the lower edge of the other fabric.

2,136,975
TRACTOR WHEEL LUG CHAIN
Thomas W. Keeten, Glade, Kans.
Application June 14, 1937, Serial No. 148,238
1 Claim. (Cl. 301—40)



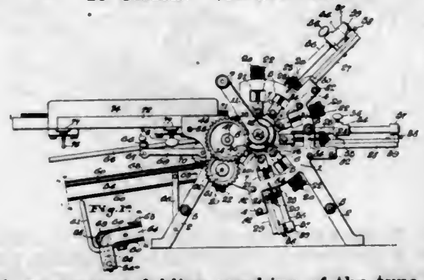
A tractor wheel lug chain comprising lug enclosing sections, each including an outer wall providing a smooth tread surface, flanges formed on the outer wall and extending inwardly therefrom in parallel relation with respect to each other, links pivotally connected to the flanges for connecting the sections together for relative movement in chain formation, said flanges having inwardly inclined outer ends and rounded outer corners, means for detachably securing the chain to the wheel, and said detachable securing means including a pair of pins for disposal through the confronting end portions of the flanges of two sections and having openings in the ends thereof, and headed bolt and nut connections having the bolts extending through the openings of the pins and cooperating with the nuts for drawing the chain taut about the wheel.

2,136,976
TRAFFIC SIGNAL
Alexander J. Massey, Los Angeles, Calif.
Original application June 25, 1923, Serial No. 647,666. Divided and this application October 9, 1930, Serial No. 487,521
8 Claims. (Cl. 177—337)



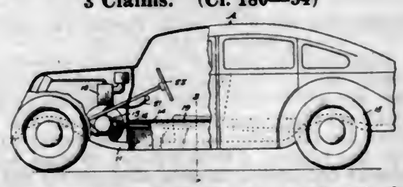
1. A timing device comprising a frame, a plurality of pairs of spring contact fingers mounted on said frame, electric circuits connected to said fingers, a shaft rotatably mounted in said frame adjacent said fingers, pairs of adjustable sectors mounted on said shaft adapted to be adjusted on said shaft relative to each other, and insulated switch blades carried by each of said sectors and adjustable relative to each other thereon adapted to be rotated and contact pairs of said fingers to connect said circuits at different contact positions in their rotation.

2,136,977
PAPER FOLDING MACHINE
John Mentges, Sidney, Ohio
Application January 24, 1938, Serial No. 186,727
18 Claims. (Cl. 270—68)



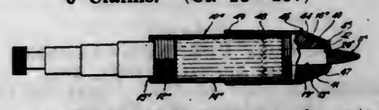
1. In a paper folding machine of the type described, the combination with a group of three feeding and folding rollers and a grid, of a grid roller adjacent the mouth of the grid to guide the sheet into the grid.

2,136,978
MOTOR VEHICLE
Omar M. Mikesell, New Paris, Ohio
Application July 23, 1937, Serial No. 155,299
3 Claims. (Cl. 180—54)



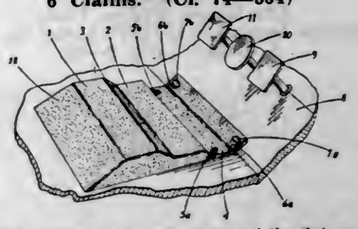
1. In a motor vehicle having a chassis frame and rear driving wheels, of a power plant disposed crosswise of the chassis frame forwardly of the drive wheels, and driving connections including a differential between the power plant and said driving wheels and being laterally disposed to one side of and located wholly outside of the chassis frame.

2,136,979
LIP ROUGE APPLICATOR
Charles A. Mureau and Muriel Stratford, Los Angeles, Calif.
Application June 1, 1936, Serial No. 82,748
6 Claims. (Cl. 15—137)



1. An applicator including, an elongate body forming a container, a head threaded into the forward end of the body and having a discharge opening counter-bored from its inner end, a tubular brush shank carried in the counter-bored portion of said opening, a brush tuft on the shank projecting through the opening axially beyond the outer end of the head, a tubular extension on the shank projecting through the opening and beyond said end of the head and enclosed in the brush tuft to deliver material thereto and to maintain the shape of the tuft, and means for forcing material from the body through the shank and its extension to the brush tuft.

2,136,980
HEEL SUPPORT
Joane Pim, Johannesburg, Union of South Africa
Application March 30, 1938, Serial No. 199,028
In Great Britain March 8, 1937
6 Claims. (Cl. 74—564)



1. Heel support for an automobile driver comprising a block of resilient rubber material, a detachable cover therefor of washable material, a flap on said covering, means in said flap to secure the block to the automobile floor.

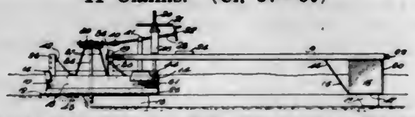
2,136,981
FASTENER
Bion C. Place, Detroit, Mich., assignor of one-half to George E. Gagnier, Detroit, Mich.
Application March 21, 1936, Serial No. 70,118
1 Claim. (Cl. 24—215)



A spring stud fastener constructed from a piece of spring wire comprising a head in the form of a hook including two approximately parallel arms and a connecting portion, said arms being separated to grip the material to be secured by the fastener, the outer arm being U-shaped, the connecting portion consisting of two sections of the wire that are spaced apart and carried by the straight portions of the U of the outer arm, and

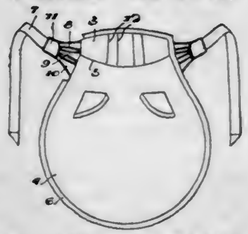
an inner arm consisting of two parts of the wire carried respectively by said sections, said parts being each provided with a corrugation, said corrugations extending toward each other with their crests in close proximity, and a pair of outwardly-bowed legs constituting the shank of the fastener carrier respectively by said parts, said legs including the ends of said piece of wire and being offset at the end of the shank remote from the head so as to freely pass each other.

2,136,982
DRAINAGE CHANNEL CLEANER
Charles A. Pratt, Ysleta, Tex.
Application October 19, 1937, Serial No. 169,887
11 Claims. (Cl. 37—80)



1. A drainage channel cleaning machine comprising a horizontally elongated frame to travel longitudinally of the channel, a cutter head connected with the front end of said frame and having means for cutting vegetation in the channel and deflecting it laterally, means to slide upon the channel bottom to support the front end of the machine, additional means to slide upon the channel bottom to support the rear end of the machine, and steering means for the machine including a vertical rudder to cut into the channel bottom.

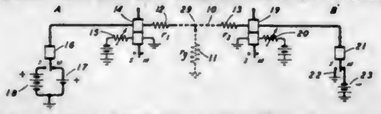
2,136,983
APRON
Ada Quinn, Ogden, Utah
Application December 16, 1937, Serial No. 180,207
9 Claims. (Cl. 2—48)



1. An apron consisting of a body portion comprising bib and skirt sections, a pair of tie members adapted to be secured together at the back of the wearer of the apron, and elements attached at their inner edges to the side edges of the body portion of the apron at points both above and below the waist line and operatively connected at their outer edges to said tie members, said elements being adapted to pass beneath the arms of the wearer and being so constructed and arranged as to hold the body portion of the apron in proper position upon the body of the wearer without the use of neck or shoulder yokes or straps when said tie members are secured together.

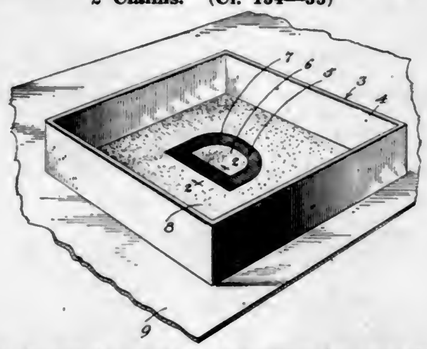
2,136,984
IMPULSE TRANSMITTING SYSTEM
Chauncey Webb Smith, Montclair, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application April 14, 1937, Serial No. 136,928
9 Claims. (Cl. 178—58)

1. In a communication system, a first station, a second station, a direct current impulse signaling channel connected between said stations subjected to a variable leakage resistance, impulse receiving apparatus at each of said stations connected to said channel and impulse transmitting means connected to each of said stations each comprising means for so transmitting two signaling conditions over said channel that impulses of increased current are sent in one direction over



said channel and impulses of reduced current are transmitted in the other direction over said channel and potential means connected to said impulse transmitting means so related to the distribution of resistance of said channel that the receiving apparatus at the opposite end responds equally well to both signaling conditions transmitted from the other end substantially independent of changes of the leakage resistance of the line.

2,136,985
SCREEN STENCILING COMPOSITION
Glee R. Stocker, St. Louis, Mo.
Application May 21, 1936, Serial No. 81,095
2 Claims. (Cl. 134—35)

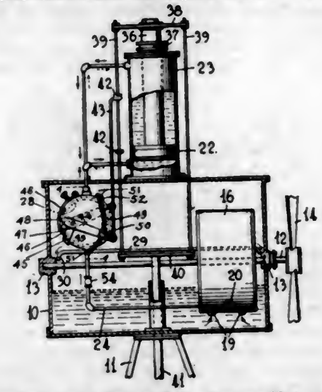


1. In the art of screen stenciling for reproduction, a composition possessing non-clogging, non-cracking, non-chipping, slow-drying and flexible characteristics, consisting of glue, glycerine, and a water color paint in the proportion of five parts of glue, one part of glycerine and from one to four parts of the water color paint.

2,136,986
HYDRAULIC TRANSMISSION FOR CONVERTING ROTARY INTO RECIPROCATING MOTION
General G. Vernon and Andy J. Greenfield, Happy, Tex.
Application April 25, 1935, Serial No. 18,273
6 Claims. (Cl. 60—52)

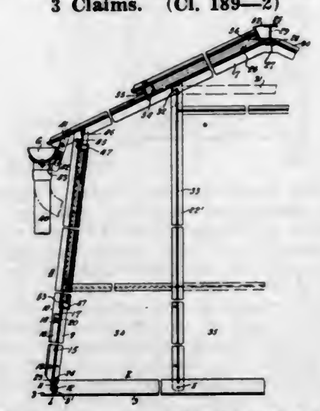
1. Hydraulic apparatus comprising a hydraulic cylinder with a reciprocating piston, a liquid holder on which said cylinder is mounted in a vertical position, said holder forming the sole support for said cylinder, the latter being wholly out of the holder, a rotary pump in said holder having an impeller, a horizontal shaft for the impeller supported by bearings at opposite sides of the holder, liquid circulating pipes between pump, holder and hydraulic cylinder, the pipe connections with the latter being above and below the piston thereof, a control valve with which

such pipes connect, fluid exhaust passages leading from said valve and discharging adjacent said bearings, and operative connections between piston and valve to shift the valve to change the direction of liquid flow to and from



the cylinder, to alternately move the piston in opposite directions and to permit forcible ejection of the fluid through said exhaust passages alternately against said opposite bearings to lubricate the latter.

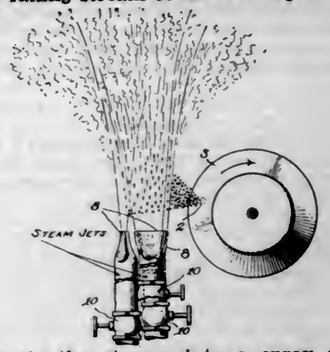
2,136,987
GREENHOUSE AND OTHER PORTABLE BUILDINGS
Frederick Pickering Walker, London, England, assignor to Crittall Greenhouses Limited, London, England
Application July 23, 1936, Serial No. 92,243
In Great Britain July 31, 1935
3 Claims. (Cl. 189—2)



1. A building construction having a base comprising upstanding legs, said upstanding legs having notches, arch units comprising members of cruciform cross-section having inner flanges received in said notches, and panels spacing said members apart, said panels being secured to said members and disposed between the outer flanges thereof.

2,136,988
METHOD OF AND APPARATUS FOR PRODUCING MINERAL WOOL
Clarence B. White, Philadelphia, Pa.
Application December 12, 1936, Serial No. 115,623
3 Claims. (Cl. 83—91)

1. The method of producing mineral wool from molten slag, which consists in interposing an annular upwardly inclined rotating surface into a freely falling stream of molten slag to thereby



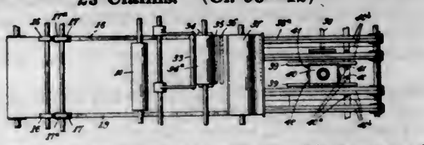
disintegrate the stream into a spray of comminuted particles and projecting the spray into a gaseous stream traveling at high velocity transverse to the path of the projected spray.

2,136,989
MATCH DISPLAY AND HOLDER
Morris A. Bell, Oshkosh, Wis., assignor to The Bell Machine Company, Oshkosh, Wis.
Application June 27, 1935, Serial No. 28,754
1 Claim. (Cl. 206—29)



A match package comprising a holder having a substantially rectangular slot formed therethrough from top to bottom, opposite side walls of which converge in a downward direction, a match brush comprising a plurality of match combs having unslitted portions arranged in parallel contiguity forming a solid base adapted to be inserted into the upper end of said slot and to seat frictionally against the convergent sides thereof, and a removable bottom closing the lower end of said slot, giving access to the base of said match brush when removed permitting the latter to be unseated, for purpose of replenishment of said match brush.

2,136,990
METHOD AND APPARATUS FOR THE FORMATION OF BAGS AND THE LIKE
Adrian O. Daller, Upper Darby, Pa., assignor to Utility Packages, Inc., New York, N. Y., a corporation of New York
Application October 28, 1936, Serial No. 107,956
23 Claims. (Cl. 93—12)



1. Bag-forming apparatus comprising means to apply transverse stripes of adhesive to a web, means to dry said adhesive, means to separate the web into sheets along lines with said transverse

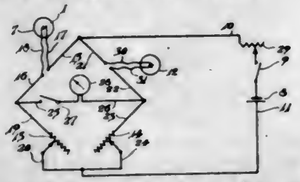
stripes of adhesive on either side thereof, means to wrap said sheet into contact with a form with said transverse stripes juxtaposed to other edge portions of said sheet to form a seam leading toward the open end of the bag to be formed, and means to press the portions carrying said transverse stripes against said other portions to provide a seal.

2,136,991

MOTION INDICATOR AND VELOCITY METER

Lewis Amory De Blois, New York, N. Y.

Application December 14, 1936, Serial No. 115,678
1 Claim. (Cl. 73—2)



In a device for registering, for purposes of observation, measurement, analysis, or record, the motion and characteristics of motion, including velocity, of air or other gases, vapors, or other fluid media, or of bodies moving therein, the combination of a motion detector employing as its responsive element a metallic wire heated by the passage of an electric current through it and dependent for its functioning upon changes in the electrical conductivity of the said wire caused by changes in its temperature resulting from alteration of the rate of heat-transfer to the circumfluent medium, which motion detector is provided with a separable, partially-enclosing shield having facilities for the entrance and escape of the circumfluent medium supplied in such way as to render the motion detector directionally selective in respect to its response to motion, a control element which is essentially a duplicate of the said motion detector in its composition and electrical characteristics and is provided with a shield, two adjustable electrical resistances to balance the resistances of motion detector and control element, an electric circuit of conducting wire connecting the said motion detector, control element and resistances, which circuit is duplex in character and adapted to securing a balance of the resistances included within its two branches, a source of electrical energy with controlling rheostat and switch connected to the said circuit, and an electrical registering instrument of such type and so connected to each of the branches of the said circuit as to facilitate securing the said balance and, when this balance is secured and the aforesaid motion detector and control element are subjected in the proper manner to the action or influence of separate motions or separate states, conditions, or directions of motion of or within the same or different media, to register the responses of the said motion detector and control element as transmitted by the circuit differentially in such way that they may represent and, after calibration may be properly interpretable in terms of the directional components of motion and its directional characteristics, differentially expressed.

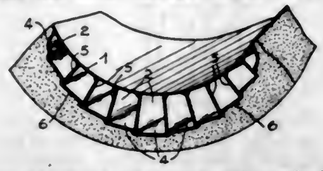
2,136,992

HEATING STRUCTURE FOR DRYING, IRONING, CALENDERING, AND SIMILAR MACHINES

Joseph Léon Heynssens, Brussels, Belgium

Application March 18, 1936, Serial No. 69,600
4 Claims. (Cl. 257—256)

2. Heating structure for machines of the kind described comprising in combination a curved metallic sheet and a plurality of adjacent longitudinal metallic hollow members secured to the outer face of said sheet and open towards said sheet, said hollow members each being formed by one of a set of rolled angle irons of the same shape and size having two flanges, one of said flanges being edgewise welded to said curved sheet and the other flange being welded to the



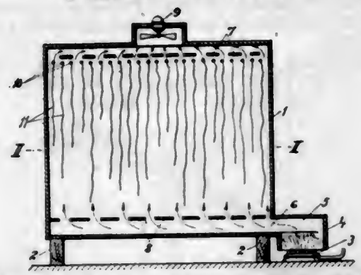
adjacent flange of the adjacent angle iron at a point spaced from the junction of the flanges of the adjacent angle iron, the spacing of said point being different for different members, so that said angle irons are secured in different angular positions with respect to said curved sheet, whereby the portion of said curved sheet in contact with steam circulating is different for different passages.

2,136,993

DRYING APPARATUS FOR WASHING AND THE LIKE

Eric Palmgren, Saltsjobaden, Sweden

Application March 16, 1937, Serial No. 131,251
In Sweden November 13, 1934
3 Claims. (Cl. 34—19)



1. Drying apparatus for drying washing and the like, comprising a drying chamber, means for heating and introducing drying air into the drying chamber at the lower part thereof, a cold air intake at the upper part of the drying chamber at the same side as the hot air intake, a discharge opening for the moist air located at the upper part of the drying chamber opposite the cold air intake, and means for discharging the moist air from the drying chamber through the said discharge opening.

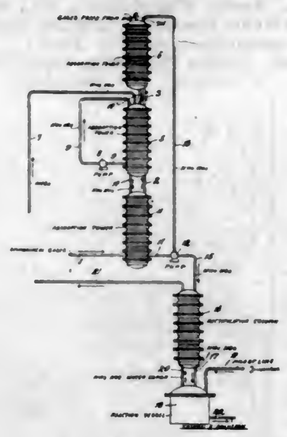
2,136,994

MANUFACTURE OF CALCIUM NITRATE FROM AMMONIACAL GASES

Harry Pauling, Berlin, Germany

Application April 28, 1937, Serial No. 139,583
In Germany May 19, 1936
10 Claims. (Cl. 23—102)

1. A process for the manufacture of calcium nitrate from the ammoniacal gases resulting from the distillation and gasification of fuels and similar ammoniacal gases comprising treating the gases freed from flue dust, tar and hydrogen sulphide with aqueous nitric acid to form ammonium nitrate, reacting the ammonium nitrate solution produced by means of burnt lime to form calcium nitrate solution and gaseous ammonia, and converting said gaseous ammonia by



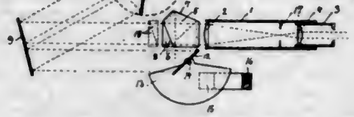
catalytic oxidation into the nitric acid necessary for the absorption of the ammonia.

2,136,995

SEXTANT

Paul Rinkel, Berlin-Charlottenburg, Germany

Application August 17, 1936, Serial No. 96,506
In Germany July 6, 1935
3 Claims. (Cl. 88—2.7)



1. In a sextant, an index mirror for reflecting light proceeding from an object to be observed, an eye-piece arranged at one end of the sextant, a fixed mirror positioned at the other end of the sextant for reflecting the light of the index mirror in a direct path into the eye-piece so that a first image of the object may be viewed at the first end of the sextant, angularly disposed transparent reflecting means interposed in the direct path of the light reflected by the fixed mirror allowing the light forming the first image to pass therethrough, reflecting means arranged intermediate the fixed mirror and the eye-piece and positioned laterally of the direct path between the fixed mirror and the eye-piece including at least two angularly arranged complete reflecting means one for intercepting light forming a second image of the observed object proceeding from the fixed mirror and the second complete reflecting means reflecting the light forming the second image transversely with respect to the direct path of the first image onto the transparent reflecting means, said transparent reflecting means being arranged to reflect said transverse light image into said eye-piece, and one of the reflecting means intermediate of the fixed mirror and the eye-piece being swingably mounted to be moved by gravity.

2,136,996

DECOMPOSITION OF COMPLEX SULPHATE SALTS CONTAINING ALKALI SULPHATES AND ALKALINE EARTH SULPHATES

Erich Wiedbrauck, Hans Schrader, and Karl Büche, Essen-Ruhr, Germany, assignors to the firm of Th. Goldschmidt A.-G., Essen-Ruhr, Germany

No Drawing. Application April 13, 1932, Serial No. 605,116. In Germany April 20, 1931
9 Claims. (Cl. 23—40)

3. In the recovery of alkali metal values from complex salts consisting substantially of alkali metal and calcium sulphates, the process which comprises digesting said complex salts with an aqueous medium under super-atmospheric autogenous pressures and at elevated temperatures not substantially below 220° C. capable of producing the pressure-heat break down of said complex salts to simple salts, separating the precipitated calcium sulphate and recovering the alkali metal values from the solution.

2,136,997

TANNING AGENTS

Werner Asch, Frankfort-on-the-Main-Hochst, Heinrich Janz, Bad Soden-on-the-Taunus, and Walter Pense and Arthur Voss, Frankfort-on-the-Main-Hochst, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application February 10, 1937, Serial No. 125,154. In Germany February 14, 1936
8 Claims. (Cl. 149—5)

1. A tanning agent consisting of the sulfonation product from a mixture of a phenolic body and a natural resin and having a content of an electrolyte not higher than 10 per cent., mixed with synthetic tanning agents of the group consisting of water soluble polynuclear aromatic condensation products.

2,136,998

PROCESS FOR PREPARING 2-BZ-1'-DIBENZANTHRONYL

Clarence F. Belcher, South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 23, 1936, Serial No. 117,342
4 Claims. (Cl. 260—363)

1. The process for the preparation of 2-Bz-1'-dibenzanthronyl which comprises heating 2-benzanthroneacrylic acid with methyleneanthrone in an organic solvent at reaction temperatures and in the presence of a mild oxidizing agent.

2,136,999

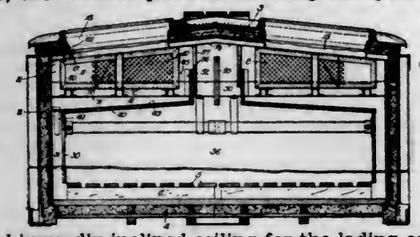
REFRIGERATOR CAR

Charles David Bonsall, Pittsburgh, Pa., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware

Application November 16, 1936, Serial No. 111,058
21 Claims. (Cl. 62—17)

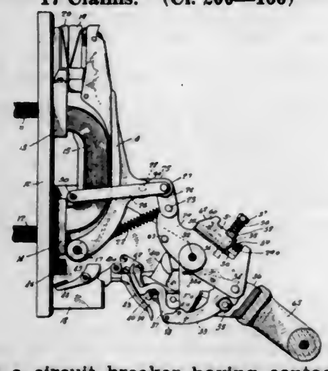
1. In a refrigerator car having spaced apart insulated car walls, an insulated roof, an insulated floor, a foraminous floor above the insulated floor and an air space between said floors, in combination with a refrigerant container near said roof and adjacent each car wall respectively, a vertical air flue in each of said car walls insulated from

the lading compartment of the car and communicating with said air space below the foraminous floor, a downwardly and outwardly inclined insulated partition below each of said containers forming the floors thereof to provide downwardly and outwardly inclined flues therebetween, said containers being spaced apart from the roof to provide substantially horizontal air flues therebetween communicating with said vertical flues, the insulated partitions adjacent the opposite car walls being spaced apart to provide an air passageway adjacent the longitudinal center of the car, the inclined partition forming an upwardly



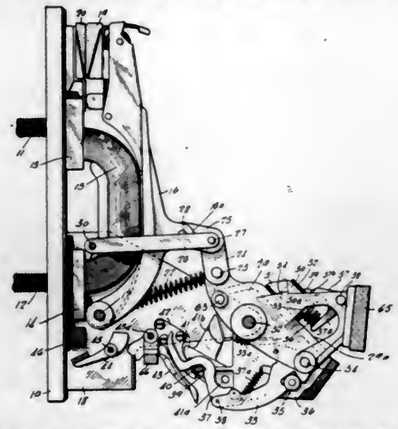
and inwardly inclined ceiling for the lading compartment of the car, said insulated vertical flues and said insulated partitions associated to provide uninterrupted insulated flues from the passageway to the space below the foraminous floor whereby the air warmed by the lading rising upwardly is guided by the inclined ceilings into the passageway and coming in contact with the refrigerant in the refrigerant container is cooled and densified and therefore moves by gravity into the vertical car wall flues through which it descends by gravity into the space below the foraminous floor from whence it rises to replace the warmed air.

2,137,000
ENERGY ABSORBER FOR CIRCUIT BREAKERS
William Deans, Ridgewood, N. J., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of New Jersey
Application August 28, 1936, Serial No. 98,276
17 Claims. (Cl. 200—166)



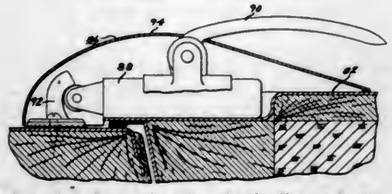
5. In a circuit breaker having contact structures, one of which is movable relative to the other from a closed circuit position to an open circuit position, the combination of a member having an inclined surface engaged by said movable structure and movable laterally thereby, friction surfaces, one of which is movable relative to the other by said member, said movable structure acting on said inclined surface to press said surfaces against each other to oppose movement of said movable structure, and resilient means for biasing said surfaces against each other.

2,137,001
CIRCUIT BREAKER AND ENERGY ABSORBER THEREFOR
George A. Healis, Philadelphia, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of New Jersey
Application August 29, 1936, Serial No. 98,562
21 Claims. (Cl. 200—166)



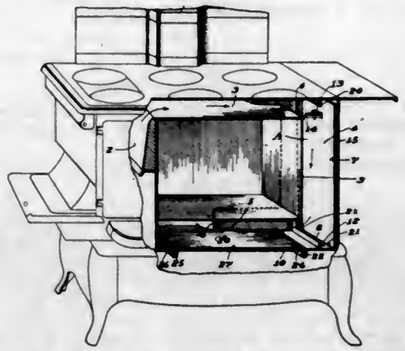
14. In a circuit breaker having contact structure movable at high speed from one position to another and an operating member for operating said contact structure to said one position, the combination of means for absorbing the energy of the movable parts of said circuit breaker during its high speed operation comprising a brake block having a pair of friction surfaces and an inclined surface at one end thereof and between said friction surfaces, said operating member having a plane surface disposed between upwardly extending arms thereof and cooperating with one of said friction surfaces, a crank arm pivoted between said arms, a compression spring interposed between one end of said crank arm and said brake block, and a pressure plate interposed between the other end of said crank arm and the other of said friction surfaces, one of said movable parts engaging said inclined surface during said high speed operation to displace said block and to compress said spring.

2,137,002
REMOVABLE COVER FOR LATCH MECHANISMS
John R. Fehr, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application June 27, 1935, Serial No. 28,694
3 Claims. (Cl. 292—337)



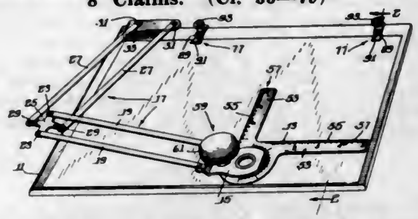
2. In a latch mechanism including a bolt mechanism and a keeper, a removable covering means for said latch mechanism extending over the bolt mechanism and the keeper, said removable covering means being fastened to the bolt mechanism.

2,137,003
RANGE
Harold T. Healy, Milton, Mass., assignor to The Waverly Heating Supply Co., Boston, Mass., a corporation of Massachusetts
Application July 25, 1936, Serial No. 92,683
5 Claims. (Cl. 126—1)



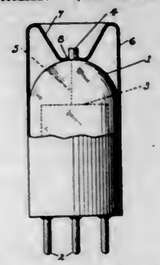
1. In a range, the combination with a fire box, an oven, and a back flue for guiding the gaseous products of combustion along the back of the oven, an approximately upright plate in said back flue, and members projecting into said back flue space and cooperating with said plate to support it in different spaced relations to the back wall of the flue, whereby the effective thickness of said back flue space can be adjusted in accordance with the requirements of different kinds of fuel, said plate being accessible through holes in the top of the range in order to effect said adjustment.

2,137,004
DRAFTING APPARATUS
Adolph Langsner, Chicago, Ill., assignor to Eugene Dietzgen Co., Chicago, Ill., a corporation of Delaware
Application January 30, 1937, Serial No. 123,255
8 Claims. (Cl. 33—79)



1. In drafting apparatus comprising a ruling guide member having a mounting portion, a holder member having a plate-like portion for supporting said rulling guide member, and means connecting said plate-like and mounting portions together for relative angular movement of said ruling guide and holder members about an axis of rotation, the combination with said plate-like and mounting portions of clamping means for securing the ruling guide and holder members in adjusted relative angular position, said clamping means comprising a stud carried by and extending through said plate-like and mounting portions, and a cooperating, manually turnable head having threaded engagement with said stud and comprising a knob of substantial size adapted for convenient grasping in shifting the holder and ruling guide members within a definite drafting area, said mounting portion being formed with a curved slot having a center of curvature coinciding with said axis of rotation, and said plate-like portion overlying and concealing said curved slot and having a stud opening in said plate-like portion spaced from said axis of rotation in position to register with said curved slot, said stud having a head underlying said mounting portion and a stem extending in said slot and said stud opening and carrying said knob upwardly of said plate-like portion.

2,137,005
ELECTRON DISCHARGE DEVICE
Carl F. Miller, Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Original application May 28, 1937, Serial No. 145,198. Divided and this application November 17, 1937, Serial No. 174,981
2 Claims. (Cl. 250—27.5)



2. In combination, a tube mount, a glass enclosing envelope for said mount, said envelope carrying contact prongs at the lower end, a metal contact cap carried by the upper end of said envelope, and a tubular metal sheath fastened at its lower end to said base and closely fitting said envelope, said sheath having a downwardly reentrant dish-shaped portion through the bottom of which said contact cap insulatingly passes, said sheath extending upwardly beyond said cap to protect it electrostatically and mechanically.

2,137,006
PROCEDURE TO RENDER ALBUMINOUS ARTIFICIAL STUFFS SOFT AND ELASTIC
Walther Schrauth, Berlin-Dahlem, Germany, assignor to Deutsche Hydrierwerke Aktiengesellschaft, Berlin-Charlottenburg, Germany, a corporation of Germany
No Drawing. Application March 30, 1935, Serial No. 13,991. In Germany March 31, 1934
3 Claims. (Cl. 106—38)

1. As a product of manufacture, an albuminous artificial product containing as a softening agent cyclohexanone glycerol.

2,137,007
DISSOLVING, SOFTENING, GELATINIZING AND SWELLING AGENTS
Walther Schrauth, Berlin-Dahlem, and Kurt Stickdorn, Rosslau, Anhalt, Germany, assignors to Deutsche Hydrierwerke Aktiengesellschaft, Berlin-Charlottenburg, Germany, a corporation of Germany
No Drawing. Application March 30, 1935, Serial No. 13,993. In Germany March 31, 1934
5 Claims. (Cl. 106—40)

4. A plastic material of the character described comprising as a base material a cellulose derivative and as a softening and gelatinizing agent an ester of an alcohol of the group consisting of ricinoleyl alcohol and the unsaturated polyhydric

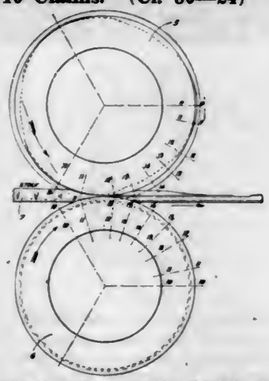
alcohols derived from the unsaturated fatty acids derived from grapeseed oil, linseed oil and squalene with an acid of the group consisting of formic, acetic, butyric, lactic, lauric, ricinoleic, abietic, naphthenic, benzoic, salicyclic, anthranilic, succinic, tartaric, adipic, sebacic, citric, cyclo-hexane-diacetic, phthalic, hydrophthalic, phosphoric, sulfuric and boric acids.

2,137,008

DIE ROLLED ARTICLE AND METHOD OF PRODUCING SAME

Thomas N. Sloan, Buffalo, N. Y., assignor to The Republic Steel Corp., Cleveland, Ohio, a corporation of New Jersey

Application August 9, 1937, Serial No. 158,124
10 Claims. (Cl. 80—24)



1. A die rolled, substantially finished rail joint bar unsymmetrical on opposite sides of all longitudinal planes therethru, substantially accurate as to size and shape within finished rail joint bar tolerances and requirements and which has on one edge a severed flow line area and on the opposite edge, and disposed in a different plane, a severed flow line area of length different from that of said area on the other edge.

4. The method of die rolling which includes the steps of passing a heated leader bar having a small ratio of thickness to width between two die rolls, said leader bar being of a width substantially equal to the greatest width of the roll grooves and of a thickness slightly greater than the greatest height of the roll pass, completely filling said grooves at all places and overfilling at least some of the smaller parts of the grooves and forming a string of substantially finished articles having oppositely disposed flash fins of different width and disposed in different planes in offset relation to each other.

2,137,009

CONCRETE STRUCTURE

John A. Stromberg, Des Plaines, Ill., assignor of one-half to Volcanic Products Corporation, Chicago, Ill., a corporation of Illinois

Application November 27, 1936, Serial No. 112,917
9 Claims. (Cl. 72—68)



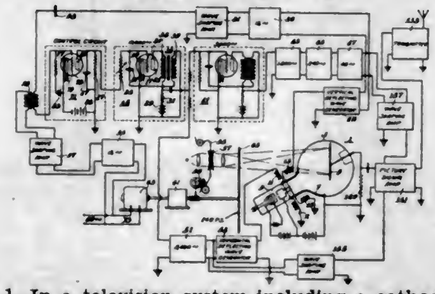
1. A reinforced precast concrete T-beam comprising a flange portion in the compression section thereof, an integral depending stem portion, reinforcing members in said flange portion and in the tension section of said stem portion, and a plurality of spaced stirrups disposed vertically through said beam, each of said stirrups having an intermediate looped portion disposed above the top of said flange portion and the ends thereof looped about the reinforcing members in the tension section of said stem.

2,137,010

TELEVISION SYSTEM

Alda V. Bedford, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application June 9, 1934, Serial No. 729,730
3 Claims. (Cl. 178—7.2)



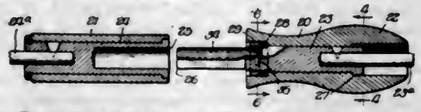
1. In a television system including a cathode-ray transmitter tube having a mosaic of electron emissive capacity elements therein, means for generating horizontal and vertical deflecting impulses for said tube, said means including an oscillator, means for obtaining a voltage wave from an alternating current source, means for moving a film having a picture thereon to be transmitted, said means including a synchronous motor connected to said source, means for projecting the pictures of said film upon said mosaic, means for obtaining control impulses having a fixed frequency relation to said vertical deflecting impulses, means for impressing said control impulses and said voltage wave upon a common circuit, means for producing a substantially steady current having a value depending upon the phase relation of said control impulses and said wave in said common circuit, and means for controlling the frequency of said oscillator in accordance with the value of said substantially steady current.

2,137,011

SEPARABLE CONNECTER MEANS

Herman Bleibtreu, Darmstadt, Germany, assignor to Freyn Engineering Company, Chicago, Ill., a corporation of Maine

Application October 19, 1935, Serial No. 45,703
11 Claims. (Cl. 173—363)



1. In connecter means, in combination, an elongated stud, said stud having a spacing slit disposed longitudinally thereof to provide bifurcations and having a longitudinal slot communicating with the outer surface of said stud and with said slit, and fulcrum means of non-changing shape in operation in said slot for causing circumferential torsional stresses in said bifurcations when said stud is inserted into a hole of less diameter than the normal diameter of said stud, said fulcrum means being secured to and forming with said stud an approximately cylindrical unit movable into and out of gripping relationship with a cooperating cylindrical socket.

2,137,012

SEPARABLE FASTENER

June Ellen Bobrow, New York, N. Y.

Application December 26, 1935, Serial No. 56,225
1 Claim. (Cl. 24—265)



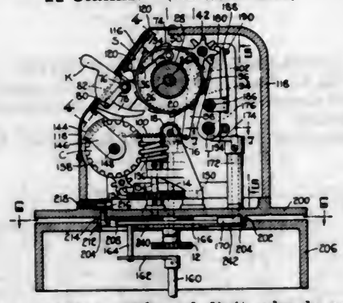
A separable fastener of the type described, comprising a stiff sheet-like member having a narrow opening in one edge thereof merging into an opening of increased size inwardly thereof forming shoulders, and a button-like member having one or more flat bendable securing-tapes attached at one of their ends to one face of said button-like member, said edge opening being only of a width sufficient to receive said tapes edgewise, said tapes being within said larger opening, said button having its said face abutting the material of said member around said larger opening to prevent said tapes from being pulled axially from said larger opening and said tapes having their edges abutting said shoulders to prevent said tapes from being pulled through said narrow opening in their crosswise position except when an excess pull is applied thereto.

2,137,013

REGISTER WITH PRESET TRIP MECHANISM

Richard C. Bradley, Brooklyn, N. Y., assignor, by direct and mesne assignments, to Reconstruction Finance Corporation, New York, N. Y., a corporation of the United States

Application June 16, 1934, Serial No. 730,864
11 Claims. (Cl. 235—132)



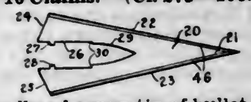
1. In a register, pairs of digit wheels arranged coaxially adjacent one another, one of said wheels in each pair being numbered forwardly and the other backwardly, means for normally effecting simultaneous movement of the backward reading wheel with the forward reading wheel, appropriate means for driving the forward reading wheel, and means to move the backward reading wheel independently of the forward reading wheel to any desired value, said means comprising a series of oscillatable keys, one for each backward reading wheel, a pawl in each key, and ratchet teeth on each backward reading wheel, said pawls normally being out of the path of movement of said ratchet teeth but being moved thereagainst on actuation of the keys.

2,137,014

ARROW

Arthur J. Brochu, Grand Rapids, Mich.

Application January 4, 1938, Serial No. 183,334
16 Claims. (Cl. 273—106.5)



1. A broadhead arrow tip of bullet shape having a plate fastened thereto and extending forwardly therefrom to form an acute angle point, said plate extending alongside of the tip to reinforce the same and said plate having means for biting into the wooden shaft which may be received within the said tip.

2,137,015

LIGHT SENSITIVE PAPER AND METHOD OF TREATING SAME

Clyde A. Crowley and George H. Goodyear, Chicago, Ill., assignors to The Huey Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application November 5, 1937, Serial No. 172,962
3 Claims. (Cl. 95—6)

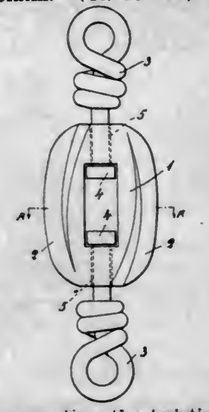
3. A coating for blue print paper comprising a light-reducible ferric complex, a ferricyanide salt and a nitrate salt of an alkali metal of the first group of the periodic table.

2,137,016

SWIVEL FOR PREVENTING THE TWISTING OF FISHING LINES OF SPINNING TACKLES AND THE LIKE

Hjalmar Franzén, Bodsjo, Sweden

Application December 18, 1937, Serial No. 180,626
In Sweden January 11, 1937
1 Claim. (Cl. 43—28)



A swivel for preventing the twisting of fishing lines of spinning tackles and the like, consisting of an intermediate part provided with means for securing the swivel to the line and the tackle respectively, said intermediate part being provided with propeller-like wings adapted to create a force tending to rotate the swivel when pulled through the water.

2,137,017

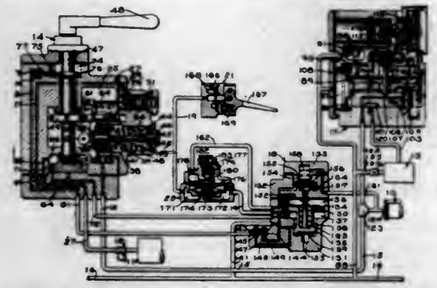
FLUID PRESSURE BRAKE

John N. Good, Wilmerding, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application August 24, 1937, Serial No. 160,560
14 Claims. (Cl. 303—19)

1. In a vehicle fluid pressure brake equipment,

a brake valve device operative to effect an application of the brakes, a safety control device, a valve device controlled by the safety control device for effecting an application of the brakes, means operative in response to the pressure of fluid supplied thereto when the application of the brakes as effected by the brake valve device exceeds a certain degree for rendering the safety control device ineffective to control the said valve



device, a valve normally in a position for establishing communication through which fluid under pressure is supplied to the fluid pressure operated means upon an application of the brakes, and means for shifting said valve to a position to close said communication when the said valve device is operated under the control of the safety control means to effect an application of the brakes.

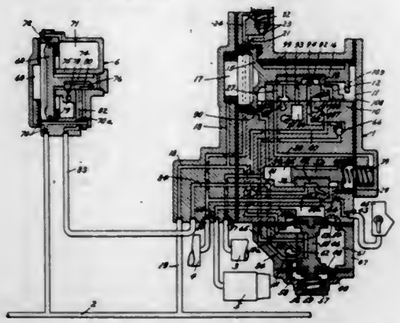
2,137,018

BRAKE CONTROL MEANS

Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application August 19, 1937, Serial No. 159,850

20 Claims. (Cl. 303—81)



1. In a fluid pressure brake apparatus, in combination, a brake pipe, a brake controlling valve device operative upon a reduction in brake pipe pressure for effecting an application of the brakes and including a main quick service means operative upon the reduction in brake pipe pressure to locally vent fluid from the brake pipe, a supplemental quick service means operative upon a reduction in brake pipe pressure for locally venting fluid from the brake pipe, and means operative upon a predetermined increase in the pressure of fluid supplied in effecting an application of the brakes for closing communication through which said main quick service means effects the venting of fluid from the brake pipe and for establishing communication through which said supplemental quick service means effects venting of fluid from the brake pipe.

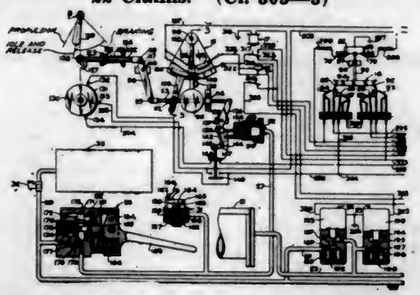
2,137,019

RAILWAY VEHICLE BRAKE CONTROL MEANS

John W. Logan, Jr., Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application January 10, 1936, Serial No. 58,452

22 Claims. (Cl. 303—3)



1. In a brake equipment for vehicles, in combination, electric regenerative braking means, fluid pressure braking means, a manually operable device for controlling the brakes to effect an application of the brakes dependent upon the amount of movement of the device from its release position, magnet valve means for controlling the application and release of the electric braking means, magnet valve means for controlling the application and release of the fluid pressure braking means, a retardation controller device, and means responsive to the movement of said manually operable means to a brake applying position for placing the magnet valve means for controlling the electric braking means under the control of said retardation controller device, and means responsive to substantially full application of said electric braking means for interrupting the control of said electric brake controlling magnet valve means by said retardation controller and establishing control of said fluid pressure brake controlling magnet valve means by said retardation controller.

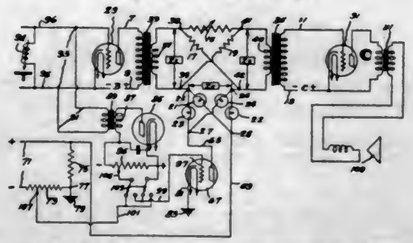
2,137,020

VOLUME CONTROL SYSTEM

David G. C. Luck, Woodbury, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application June 29, 1935, Serial No. 29,011

6 Claims. (Cl. 178—44)



4. In an electric signal transmission circuit, a volume control system comprising a bridge network having a control arm, the resistance of which varies with temperature in response to a controlling current substantially greater than the average signal current, means for balancing the bridge network when a predetermined temperature and resistance is established in said arm, and means for varying the controlling current in response to signal amplitude variations comprising an electric discharge device having an anode

connected in circuit with said variable resistance arm, a control grid, means providing a source of biasing potential for said grid, means for varying said biasing potential to adjust the anode current of said device to establish said predetermined temperature and resistance in said arm, a signal rectifier device connected with the signal transmission circuit and having an output impedance across which is established a biasing potential responsive to signal variations, and means for connecting said output impedance selectively in circuit with said grid to apply a biasing potential therefrom either in aiding or opposing relation to the first named biasing potential.

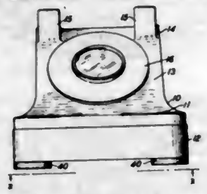
2,137,021

SUPPORT FOR BASE PLATES

George R. Lum, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 27, 1935, Serial No. 13,237

8 Claims. (Cl. 248—350)



8. A mounting for a telephone, said mounting having a base portion comprising a housing, a base-plate secured to said base portion and forming a cover for the housing, said plate having spaced, substantially triangular offset portions, and resilient members each having a lateral slot therein, conforming to the shape of said offset portions of said base-plate and each also having a projecting portion, each slot interengaging with one of said offset portions and each projecting portion engaging said base portion.

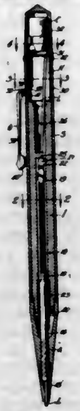
2,137,022

PENCIL

John P. Lynn, Chicago, Ill., assignor, by direct and mesne assignments, to Dur-O-Lite Pencil Company, a corporation of Delaware

Application June 1, 1936, Serial No. 82,687

2 Claims. (Cl. 120—18)



2. In a pencil having a body and a lead propelling mechanism mounted within said body for movement relative thereto, said body comprising a relatively thin walled cylindrical shell and a tubular insert of moldable composition having a polygonal cross section frictionally fitted within said shell.

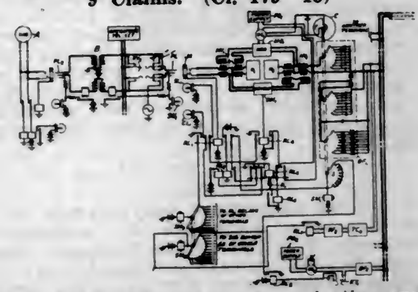
2,137,023

CARRIER COMMUNICATING SYSTEM

Newton Monk, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 20, 1935, Serial No. 55,313

9 Claims. (Cl. 179—15)



1. In a high frequency communicating system having a plurality of stations associated with a common transmission medium, the combination with a plurality of trunks at each station of means for transmitting and receiving a number of high frequencies, each of said high frequencies designating a particular station, means in each trunk for transmitting and receiving a number of other high frequencies used for communicating purposes, means responsive to the transmission of a high frequency designating a called station from one of said stations when calling for selecting an idle communicating frequency and associating it with a trunk taken into use thereat for establishing an outgoing connection to said called station, means at said called station responsive to the reception of said high frequency for selecting an idle trunk and operatively associating it with the same communicating frequency which was selected at the calling station.

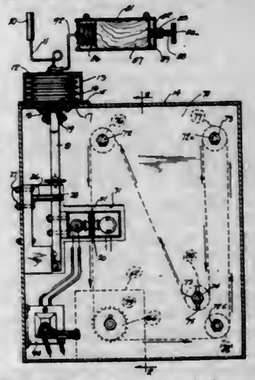
2,137,024

APPARATUS FOR CONTROLLING HEATING SYSTEMS

Ray C. Moore and Clay H. Moore, Cleveland, Ohio, assignors to Warren Webster & Company, Camden, N. J., a corporation of New Jersey

Application April 22, 1936, Serial No. 75,856

3 Claims. (Cl. 236—1)



1. Regulating apparatus for interrupting a flow

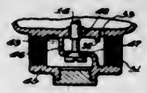
of heating medium to a heating system during short spaced intervals, comprising a light sensitive cell, means including an electric circuit controlled by said cell for effecting the interruptions of said flow, a source of light, an elongated film strip formed with a succession of spaced light obstructing areas extending transversely of the film and interspaced with light transmitting areas, said succession of areas being representative of a predetermined desired program of interruptions of said flow, means for advancing said areas past said cell through the light from said source with a predetermined time controlled motion, and thermostatic means subject to outdoor temperature variations for automatically adjusting transversely of the film, the relative positions of said film and the light which passes therethrough to the cell, the width of each of said obstructing areas varying from point to point transversely of the film.

2,137,025

FLUID PRESSURE REGULATOR

Fritz Niesemann, Pittsburgh, Pa., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application February 27, 1937, Serial No. 128,192
1 Claim. (Cl. 50—23)



A fluid pressure regulator comprising a body having a depression surrounded by a flange formed on one side thereof, aligned inlet and outlet connections formed therein and separated by a dividing wall having a horizontal portion, a valve seat in said dividing wall, a valve stem bore communicating with the outlet and said depression and in axial alignment with the valve seat, an access hole in substantially concentric alignment with the valve seat and communicating with the inlet bore, a plug closing said access hole, a diaphragm cover secured to said flange, a diaphragm clamped between said cover and body providing a control chamber with the body, a valve stem secured to said diaphragm and extending through said stem bore with a radial clearance on the order of about three to eight thousandths of an inch and having a valve member thereon seating on one side of the dividing wall, a transverse exhaust bore connecting the regulator outlet and control chamber having a minimum area from three to seven times the area of said clearance, and a projecting lip in said outlet in advance of the exhaust bore to increase the suction effect of said bore.

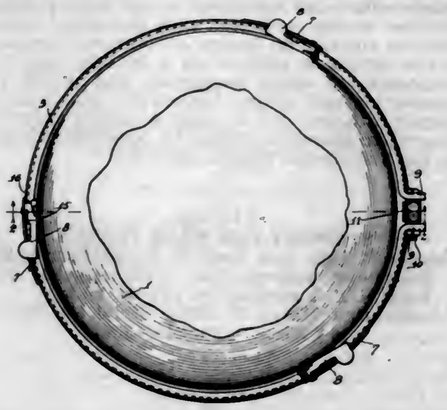
2,137,026

REFLECTOR COVER

Paul D. Phillips, Elmhurst, Ill., assignor to Benjamin Electric Mfg. Company, Des Plaines, Ill., a corporation of Illinois

Application June 5, 1937, Serial No. 146,527
11 Claims. (Cl. 240—103)

7. A lighting fixture comprising a concave reflector having a circular light-emitting opening, an annular shoulder adjacent said light-emitting opening, a glass cover extending across said opening, means for securing said cover in position with respect to the reflector comprising an annular band in which said glass cover is mounted, and means carried by said band for securing it in position with respect to said shoulder comprising a plurality of circumferentially spaced leaf spring members secured to said band and extending substantially circumferentially with respect to said band and having their free ends radially movable and a plurality of cam mem-



bers mounted on the radially movable portions of said leaf spring members and engaging said annular shoulder for drawing the cover into position.

2,137,027

METHOD OF PREPARING BREAD CONDITIONERS

Alfred Pollak, Woodmere, N. Y.

No Drawing. Application February 24, 1936, Serial No. 65,429
5 Claims. (Cl. 99—91)

1. The method of preparing a dough conditioner increasing the fermentation tolerance of the dough, which method comprises the following steps: preparing a mixture of neutralized organic acids, phytins and ammonium chloride, to form a first mixture, said organic acids being neutralized by means of nitrogen containing yeast assimilable compounds, thereafter mixing said first mixture with materials containing diastatic enzymes to form a second mixture, said second mixture being heated in the presence of water to a point slightly below the damaging point of the amylolytic enzymes, whereby an interaction takes place between the said first mixture and the said diastatic enzymes, increasing the strength of the amylolytic enzymes without producing a corresponding rise in the activity of the proteoclastic enzymes.

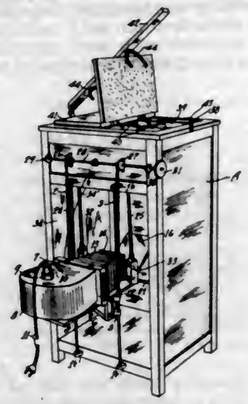
2,137,028

PHOTOGRAPHIC ENLARGING MACHINE

David W. Rau, Kirkwood, Mo.

Application August 26, 1936, Serial No. 97,892
7 Claims. (Cl. 88—24)

1. A photographic enlarger comprising a cabinet, a projector movable in the cabinet, a printing surface disposed in the cabinet in a plane angularly disposed to the path of movement of the projector, image reflecting means movable with the projector toward and away from the printing surface along a single predetermined line at right angles to the printing surface for directing a projected image upon the printing surface, longitudinally shiftable lens means operably mounted on the projector in juxtaposition to the image reflecting means, focusing means co-operable with the lens means for shifting the lens means toward and away from the image reflecting means responsive to movement of the projector means, and manually operable means



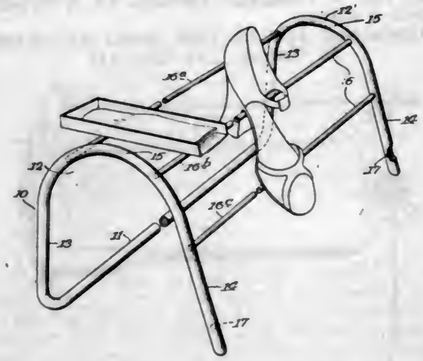
for laterally shifting the focusing means to vary the focusing position thereof.

2,137,029

SALESMAN'S SHOE-DISPLAY RACK

Charles F. Scholl, Chicago, Ill.

Application March 13, 1937, Serial No. 130,635
3 Claims. (Cl. 211—37)



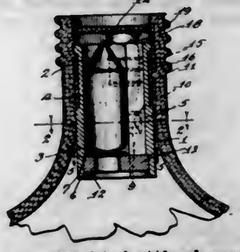
1. In a rack for shoe-salesman's display of a line of shoes for customer's selection, a single-piece frame of metal rod-stock bent to provide a longitudinal back reach and two end members lying in planes at right angles to said reach, each said end member having recesses in its inner face and being shaped to present rear leg and front leg portions merging into a wide curved rocker portion, from which said legs diverge in acute-angle relation to each other; and parallel longitudinal support bars extending between said end members with their ends normally received in the recesses thereof and so positioned with respect to said rocker portion and to the free ends of the front legs as to display shoes at different angles of presentation when, respectively, said frame is in standing position on its four legs and in "laid down" rockable position on its back legs, with the shoe heels hooked over an appropriate upper one of said bars and their soles supported by a lower said bar, the longitudinal support bars being readily removed or inserted by a flexing of the front leg portions.

2,137,030

NONREFILLABLE BOTTLE CLOSURE

Mather W. Sherwood, Chicago, Ill.

Application August 26, 1936, Serial No. 97,889
3 Claims. (Cl. 215—20)



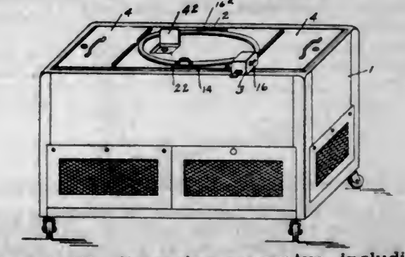
1. In a non-refillable bottle closure, a body containing a longitudinal chamber, a groove alongside said chamber and extending throughout its length, a valve seat with projecting tongue to fit within chamber and groove and close the lower end of said groove, a valve and float in said chamber for preventing the liquid from flowing into the bottle through the opening in the valve seat, and a cover plate of brittle material at opposite end of body to retain the valve and float within the longitudinal chamber and to limit their longitudinal movement.

2,137,031

DISPENSING APPARATUS

Ralph C. Smith, Bloomington, Ill., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill., a corporation of Illinois

Application September 17, 1936, Serial No. 101,254
5 Claims. (Cl. 312—36)



1. A bottle dispensing apparatus, including a cabinet to contain the bottles with a dispensing apparatus rotatably carried in a circular member non-rotatably mounted in the top of the cabinet, a mechanism mounted upon the non-rotatable member including an operating handle to rotate the dispensing apparatus, means within the cabinet to support two rows of bottles in position to be dispensed below said rotating apparatus, an opening in said apparatus for the removal of a bottle from either row therethrough, and means within said apparatus to uncover a bottle in one row to be removed while covering the next adjacent bottle actuated by the rotation of the apparatus.

2,137,032

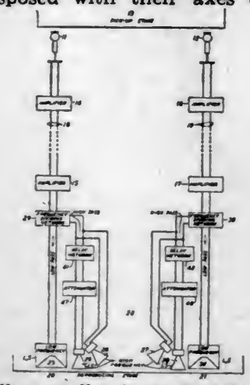
SOUND REPRODUCING SYSTEM

William B. Snow, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 30, 1936, Serial No. 103,227
7 Claims. (Cl. 179—1)

1. In a stereophonic sound reproducing system, two transmission lines carrying currents repre-

senting waves from the same sound source at different pick-up positions, and means for reproducing the sounds with spacial distribution comprising loud-speakers spaced in groups before a sound reproducing area, each group being connected to one of the lines, two loud speakers, one in each group, disposed with their axes of projection



substantially parallel to each other, two other loud-speakers, one in each group, angularly disposed with their axes of projection intersecting each other, and means for delaying the projection of sound from the parallel loud-speakers with respect to the sound projected from the angularly disposed loud-speakers.

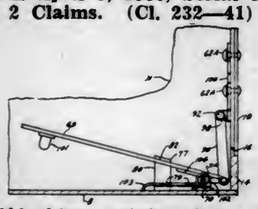
2,137,033

SELF-LOCKING CONTAINER

Albert St. Arnauld, Detroit, Mich.

Application April 3, 1936, Serial No. 72,526

2 Claims. (Cl. 232—41)



1. In a self locking container for receiving goods in a building structure and provided with an outside door, the combination of a plunger member movably mounted in said outside door, a catch plate movably mounted in said container and adapted to engage said plunger member and to lock said outside door against unauthorized opening, a pair of brackets and each provided with stop bosses, a crankshaft rotatably mounted in said pair of brackets, a treadle pivotally mounted on said crankshaft and adapted to engage said stop bosses of said pair of brackets, said treadle being adapted to be actuated by the placement of said goods thereon, a resilient member provided with coil portions surrounding said crankshaft, said resilient member being provided with arms for engaging said treadle and the floor of said container, and a rod member pivotally connected between said crankshaft and said catch plate.

2,137,034

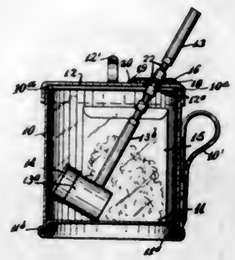
BUBBLE PIPE DEVICE

Max Sturm, Jr., Union City, N. J.

Application August 3, 1936, Serial No. 93,986

1 Claim. (Cl. 46—7)

In a bubble pipe device, a cover for a container and having an opening offset from the center thereof, a stem passing through said opening and having peripheral grooves, and means for pivotally holding said cover in position on said stem, comprising an inverted cup-shaped member fixedly mounted on said cover and having an opening aligned with said opening, a manually operable disc pivotally mounted between said



cup-shaped member and the top of said cover, said disc having a horn shaped opening consisting of a narrow portion adapted to engage said grooves to hold said cover in position and said narrow portion continuing at one end into an enlarged portion adapted to be aligned with said openings to allow said stem to be removed from said cover.

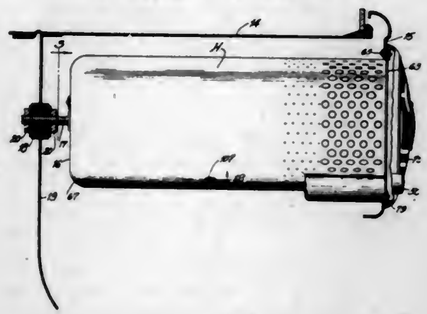
2,137,035

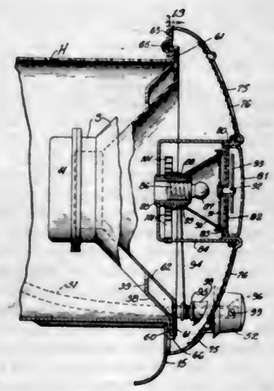
RADIO RECEIVING SET

Joseph L. Swallow, Berwyn, Ill., assignor to Wells-Gardner & Company, Chicago, Ill., a corporation of Illinois

Application July 15, 1936, Serial No. 90,709

15 Claims. (Cl. 250—14)





10. For mounting within an opening through

an automobile instrument board, a radio receiving set comprising a housing open at one end, means for securing the housing to the instrument board with the open end of the housing substantially flush with the board, and a chassis receivable within the open end of the housing for accommodation therewithin, the chassis including at its end adjacent the board a dial mechanism with an adjacent speaker therebehind.

15. In a radio receiving set, a dial mechanism comprising a dial plate, a pointer associated with the dial plate, a tune control including a knob, means for producing relative movement between the dial plate and pointer comprising a winding drum, means connecting one of these two latter parts to said knob, a tension device connecting the drum with a fixed support, a flexible cord wound by the drum to impart thereto a one-way rotation counter to the tension device whereby to produce relative movement between the dial plate and pointer, and means associated with the knob and drum for operating the tune control and dial mechanism together or the dial mechanism alone by the knob.

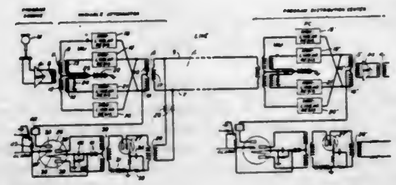
2,137,036

TRANSMISSION SYSTEM

Edmund R. Taylor, Mount Vernon, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 31, 1936, Serial No. 108,574

3 Claims. (Cl. 179—1)



1. In a signal transmission system, in combination, a source of signal frequency, a distributing center, a main line interconnecting said source and the distributing center, means between the source and the main line for limiting the energy volume of the signals transmitted over the line to a predetermined level, an amplifier at the distributing center having its input circuit connected to the main line, a load circuit, a plurality of branch lines, signal receiving means terminating each of said branch lines, means for connecting and disconnecting any of said branch lines to and from said load circuit, transformer means connecting the output of said amplifier with the load circuit, said amplifier being so constructed and arranged that the impedance of the output circuit thereof, as viewed from the primary winding of the transformer, substantially matches the impedance of the load circuit as viewed from the secondary winding of the transformer when the maximum number of branch lines are connected, a variable attenuator in said main line at the distributing center and ahead of the amplifier, and a feedback circuit connected to said load circuit for controlling said attenuator, said attenuator being so adjusted that it offers minimum attenuation to signals arriving over the main line when the maximum number of branch lines are connected.

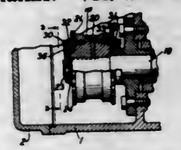
2,137,037

FILM DRIVING ELEMENT

Roy V. Terry, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 31, 1937, Serial No. 134,031

8 Claims. (Cl. 271—2.3)



1. A film driving element comprising a positively driven film supporting roller, a toothed disc, and resilient means connecting said roller and said disc.

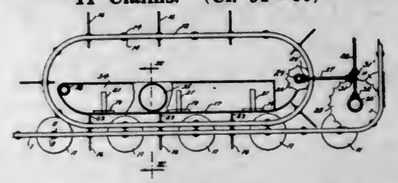
2,137,038

SPRAY BOOTH CONSTRUCTION

Clyde W. Ulrich, Peoria, Ill., assignor to Altorfer Bros. Company, Peoria, Ill., a corporation of Illinois

Application June 1, 1937, Serial No. 145,783

11 Claims. (Cl. 91—60)



4. In combination, an article conveyor adapted to carry articles in spaced array along a predetermined path, means providing a substantially vertical wall extending parallel to a portion of said path, and means for interposing a substantially vertical partition between adjacent articles on the conveyor and into proximity to said wall whereby to form a booth for each article.

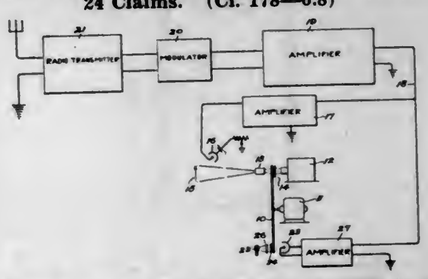
2,137,039

METHOD AND APPARATUS FOR COMMUNICATION BY TELEVISION

Arthur W. Vance, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application June 17, 1931, Serial No. 544,959

24 Claims. (Cl. 178—6.8)



5. In a system for television, a cathode ray tube, electromagnetic means for deflecting the ray, a thermionic device having a grid, means for applying to said grid a saw-tooth voltage wave, an electrical circuit connected in the plate circuit of said device, and an amplifier tube having a grid, said electromagnetic means connected in the plate circuit of said tube, said electrical cir-

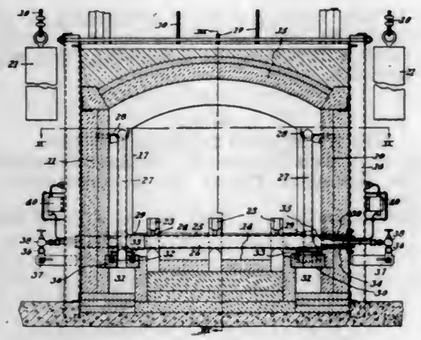
cuit having a frequency-impedance characteristic substantially opposite to such characteristic of said electromagnetic means.

2,137,040

ENAMELING FURNACE

James C. Woodson, Cleveland, Ohio, assignor to Lee Wilson Sales Corporation, Cleveland, Ohio, a corporation of Ohio

Application August 11, 1937, Serial No. 158,492
6 Claims. (Cl. 263—42)



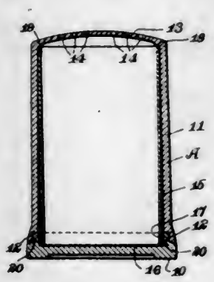
1. A furnace comprising a hearth, side and end walls and a roof, straight heat-exchange tubes extending across said hearth from opposite side walls, and hair-pin shaped heat-exchange tubes carried by said side walls, one end of each hair-pin tube communicating with one of said straight tubes, and the other communicating with an exhaust duct extending along said hearth.

2,137,041

DISPENSER

Thomas F. Barnes, Minneapolis, Minn., assignor to Cameo Corporation, Minneapolis, Minn., a corporation of Minnesota

Application June 3, 1937, Serial No. 146,226
7 Claims. (Cl. 221—61)



1. A dispenser comprising, a hollow inwardly tapered body portion, a base portion secured thereto, an inner container within said base and body portions, said base holding said inner container frictionally engaging said body portion throughout the entire upper periphery thereof to provide a seal between the upper edge of said inner container and said body portion.

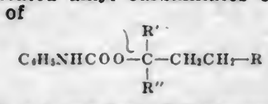
2,137,042

CARBANILIC ACID ESTERS OF SUBSTITUTED ALKYLAMINOALKANOLS

Walter G. Christiansen, Glen Ridge, N. J., and Sidney E. Harris, Coral Gables, Fla., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York

No Drawing. Application September 9, 1937, Serial No. 163,036
9 Claims. (Cl. 260—472)

1. Substituted alkyl carbanilates of the class consisting of



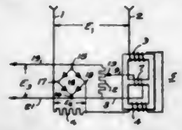
wherein R' is a member of the group consisting of hydrogen, alkyl, and alkylaminoalkyl, R is a member of the group consisting of hydrogen, alkyl, aryl and aralkyl, and R'' is alkylaminoalkyl, and their acid-addition salts.

2,137,043

CHANGE AMPLIFYING MEANS

John W. Dawson, East McKeesport, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Original application October 23, 1935, Serial No. 46,351. Divided and this application December 17, 1936, Serial No. 116,341
7 Claims. (Cl. 171—242)



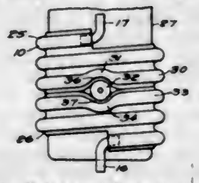
1. In combination, an output circuit, an input circuit supplied with alternating current, a regulating reactor and an impedance device connected in series in said input circuit, and means responsive to a voltage change across said impedance device initiated by a change in the voltage impressed on said input circuit for varying the reactance of said regulating reactor in a direction to cause a further change in voltage across said impedance device in same direction to thereby amplify the voltage variations of said output circuit with respect to voltage variations of said input circuit.

2,137,044

COOLING JACKET FABRICATION

John W. Dawson, East McKeesport, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 7, 1937, Serial No. 135,484
1 Claim. (Cl. 29—157.3)



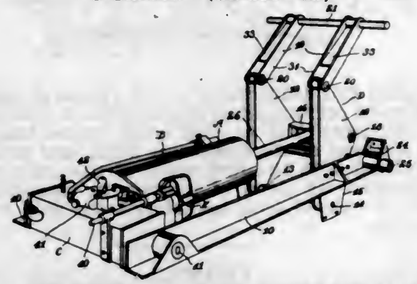
The method of assembling a cooling jacket on a device having a protuberance which comprises forming helical coils in two members, bending one of the coils along the edge of one member around part of said protuberance, bending the adjacent coil portion in the other member around the other part of said protuberance and joining the coils of the two members.

2,137,045

HYDRAULIC HOISTING APPARATUS

Herbert O. Day, St. Paul, Minn., assignor to St. Paul Hydraulic Hoist Co., Minneapolis, Minn., a corporation of Michigan

Application July 6, 1936, Serial No. 89,021
5 Claims. (Cl. 298—22)



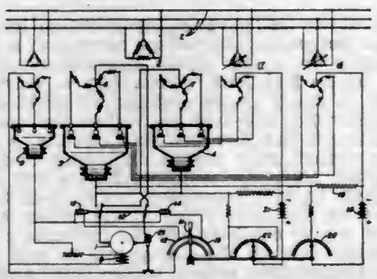
2. A hydraulic hoisting unit comprising a frame, a cylinder pivotally secured to said frame, a piston and piston rod on said cylinder, a cross-head on said piston rod, a pair of levers pivoted to said cross-head said levers being pivoted to said frame, a body to be hoisted pivotally secured to said frame, and links connecting said levers to said body, each of said links including a pair of spaced side members secured to straddle one of said levers through the greater part of its length, and intermediate members connecting said side members and supporting them in definite spaced relationship.

2,137,046

RECTIFIER SYSTEM

Walter Fouquet, Zeuthen (Mark), Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 1, 1937, Serial No. 151,480
In Germany June 20, 1936
5 Claims. (Cl. 172—179)



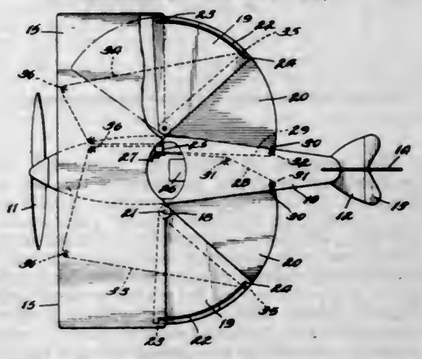
5. A motor speed control system for a reversible motor having regenerative braking, comprising a supply circuit, a reversible direct-current motor, a plurality of multi-path vapor-electric converters for transferring energy between said circuit and said motor, one of said converters being constantly operative to feed energy from said circuit to said motor, another of said converters being operative to feed energy from said motor to said circuit, control means for regulating the amount of energy passed by each of said converters, switching means for reversing the direction of rotation of said motor, a controller for determining the position of said switching means, and a load responsive relay for preventing operation of said switching means above predetermined loads on said motor.

2,137,047

EXTENSIBLE AIRPLANE WING

Michael Gliwa, Chicago, Ill.

Application July 26, 1937, Serial No. 155,592
2 Claims. (Cl. 244—43)



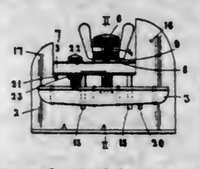
1. In an airplane, the combination, of an elongated fuselage having fixed wings extending laterally from the forward portion thereof, said wings being hollow and open along their rear edges, an extensible and collapsible auxiliary wing carried by each of said fixed wings and movable out of and into the latter through its open rear edge, each auxiliary wing comprising relatively movable superimposed sector-shaped plate-like sections pivoted at their apices upon a common vertical pivot within the associated fixed wing adjacent the juncture of the rear edge of the latter with the fuselage and adapted to extend from the fixed wing to the fuselage in contact with the adjacent side of the latter when extended, and manually operable means to simultaneously extend or simultaneously collapse said auxiliary wings.

2,137,048

SKI BINDING

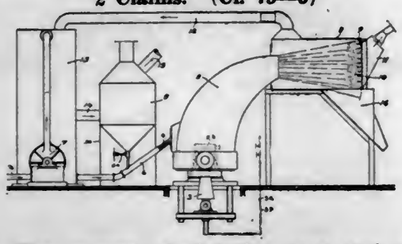
Sverre Holm, Oslo, Norway

Application October 8, 1937, Serial No. 167,890
In Norway December 10, 1935
5 Claims. (Cl. 280—11.35)



1. Ski binding adapted to engage upon the rim of the sole of a boot, comprising toe lugs having vertical side members, the middle part of each side member being outwardly curved, whereas the forward and rearward part of each side member have a plane inner surface, each side member being provided with an inwardly projecting portion having a vertical threaded bore, a screw operable in each of said bores, a jaw cooperatively associated with each side member and mounted to be movable in a vertical plane and adapted to be pressed against the upper surface of the rim of the sole by means of said screws.

2,137,049
PROCESS FOR THE SINTERING OF CONCENTRATES, ORES, OR THE LIKE
Anders Holmberg, Stockholm, Sweden
Application February 15, 1936, Serial No. 64,059
In Sweden January 25, 1935
2 Claims. (Cl. 75—5)



1. The process of sintering ores and other pulverulent or granular substances for use in a subsequent metallurgical reduction, which consists in projecting the pulverulent substances by an air blast transversely through a heating zone to heat and partially fuse each particle of the substance and thence projecting the heated particles in approximately the same general direction as they were first projected violently against an obstructing perforated impact member capable of suddenly arresting movement of said particles whereby to cement the partially fused and heated particles together into an agglomerated unitary sintered mass or cake, passing air through the perforations of said member into said mass to oxidize the same, and utilizing the exhaust gases of said sintered product for preheating the air for projecting the particles through said heating zone and against said impact member.

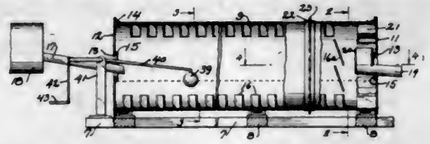
2,137,050
OIL SILK COVERING FOR MEN'S HATS
Michele A. Iannetta, New York, N. Y.
Application November 4, 1937, Serial No. 172,726
2 Claims. (Cl. 2—187)



1, In a hat protector, a hat casing of waterproof material for engaging over the crown and brim of a hat, an elastic strip extending along the inner face of said casing and having end portions extending through openings in said casing to the exterior, and means for adjustably securing said end portions to said casing.

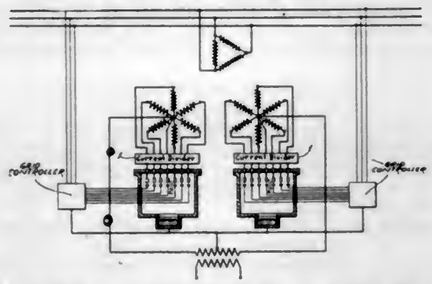
2,137,051
APPARATUS FOR THE LIXIVIATION OF MINERAL ORES
Clyde C. Jain, Denver, Colo.
Application May 28, 1937, Serial No. 145,200
4 Claims. (Cl. 23—269)

1. An apparatus for use in lixiviating mineral ores, comprising in combination, a plurality of cylindrical drums mounted for rotation about substantially horizontal axes, the several axes being on different levels, each drum having end walls provided with openings concentric with the axes of rotation, the inside of each drum having segmental fins, helically arranged and spaced in the direction of the axis of rotation, means for feeding ore pulp, including a lixiviating liquid, to one end of the drum, a discharge spout extending through the other end of the drum, the several drums being of substantially identical construction, means interconnecting the several drums for simultaneous rotation, the fins being so inclined with respect to the axis of rotation that the solid material and the liquid will be moved from the feed end to the discharge end, means comprising buckets carried by the inside of each drum, adjacent the discharge end, for elevating



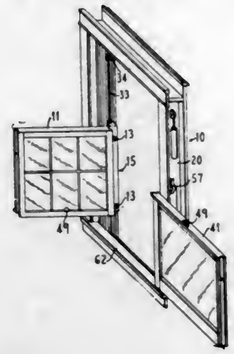
ore pulp and delivering it to the discharge spout at a speed corresponding to the speed of rotation, the discharge chute of each drum terminating in the feed end of the next lower drum, and means associated with the first drum of the series for controlling its speed of rotation in accordance with the rate of feed, to maintain the pulp level constant.

2,137,052
ARRANGEMENT FOR CONVERTING ALTERNATING CURRENTS
Erwin Janetschke, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 30, 1937, Serial No. 133,922
In Germany April 2, 1936
4 Claims. (Cl. 172—281)



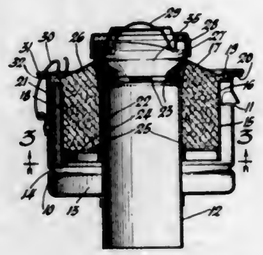
4. A static frequency changer system for converting polyphase alternating current of a given frequency to single phase alternating current of a lower frequency comprising a polyphase circuit, a single phase circuit, two multi-anode grid-controlled arc-type converters for controlling current flow between said circuits, a polyphase transformer means including two star connected polyphase windings having the phase terminals thereof connected respectively to the anodes of the converters, single phase transformer means connected to the cathodes of said converters and to the star points of said polyphase transformer means, a zero point anode in each of said converters, said zero point anodes being connected to the star points of the respective star connected windings, two parallel current divider windings in series with each phase terminal of said star connected windings, a magnetic core interlinking each of said current divider windings with a winding of an adjacent phase terminal, a third winding on each of said magnetic cores, said third windings being connected in parallel and said parallel windings being connected in series between said zero point anode and the star point of the associated star connected winding.

2,137,053
WINDOW
William C. Jones, Tappan, N. Y., and Gustav Siese, Park Ridge, N. J.
Application March 30, 1937, Serial No. 133,784
10 Claims. (Cl. 20—50)



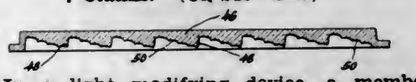
1. A double-hung sash window including a frame having a pulley stile on each side, a pulley near the upper end of each pulley stile, a weight box behind each pulley stile, and channels on the inner sides of the pulley stiles, for guiding both sides of each sash, at least a portion of each stile below the pulley being movable outwardly to permit the sash to move out of its channel on the other pulley stile, and spring means connected to a wall of the weight box and thrushing against the movable portion of the pulley stile in a direction to urge said movable portion inward.

2,137,054
CRANKCASE BREATHER AND OIL FILLER PIPE ASSEMBLY
Herbert G. Kamrath, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 12, 1936, Serial No. 100,539
6 Claims. (Cl. 121—194)



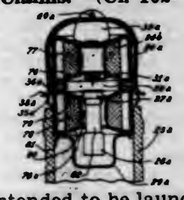
1. In an assembly of the type disclosed, a generally vertically disposed tubular member whose lower end is open, a shell which encircles and is radially spaced from a portion of the tubular member so that it defines therewith an annular receptacle which constitutes a liquid reservoir, an orifice which communicates with the interior of the shell and the atmosphere, a filter element disposed within the shell, an orifice which communicates with the filter element and the interior of the tubular member, a cover for the upper end of the filter element, and a removable cover for the upper end of the tubular member.

2,137,055
LENS FOR ASYMMETRIC HEAD LAMPS
John L. Koubek, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 3, 1936, Serial No. 83,186
7 Claims. (Cl. 240—41.4)



1. In a light modifying device, a member through which light passes, a plurality of vertical prisms on one face of the member to direct the light horizontally to one side, a plurality of vertical light spreading flutes superimposed on each prism and extending parallel to the vertically disposed prism for spreading the light horizontally, the axes of the flutes being at right angles to the face of the prisms.

2,137,056
BOMB
Pierre Liégeois, Brussels, Belgium, assignor to Manufacture d'Armements et de Munitions Armu, Societe Anonyme, Schaerbeek-Brussels, Belgium
Application February 4, 1936, Serial No. 62,313
In Belgium February 13, 1935
5 Claims. (Cl. 102—2)

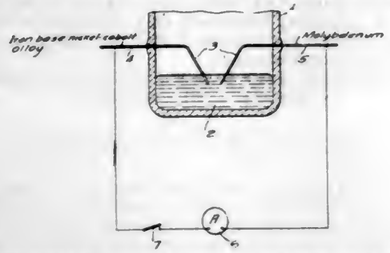


1. A bomb intended to be launched from tubular launching means, comprising a bomb barrel and a head fitted onto said barrel, a firing mechanism arranged in said head and comprising a pair of movable masses capable of longitudinal and lateral displacement relative to the axis of the head and having each at least one tapered end surface portion, two tapered counter surface portions being retained against substantial lateral displacement relative to the head in order to cooperate each with a tapered end surface portion of one of the said masses, two movable discs freely mounted one against each of the opposed faces of the movable masses and spaced apart to form a chamber therebetween, said discs being arranged with little lateral play relative to the head and having a flat rim portion forming an angle with the inner wall of the head, a percussion cap carried by one of said discs, a firing pin carried by the other of said discs and projecting freely into said chamber opposite the percussion cap and spaced from the disc carrying said cap, spring means arranged between the two said discs to normally hold apart the firing pin and the percussion cap, and removable means for locking the firing mechanism.

2,137,057
THERMOCOUPLE
Ruric C. Mason, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 20, 1937, Serial No. 126,884
8 Claims. (Cl. 136—5)

7. A thermocouple, one member of which comprises an iron-base nickle-cobalt alloy, and a

second member of which comprises one of the following metals; molybdenum, tungsten and platinum.



2,137,058

METHOD OF PRODUCING CRYSTALLINE BORIC OXIDE

Leon McCulloch, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application July 31, 1937, Serial No. 156,829
5 Claims. (Cl. 23—149)

1. The method of producing crystalline boric oxide which comprises, fusing boric acid and subjecting it to a temperature above its melting point to form a viscous liquid, continuing the heating to drive off moisture from the liquid until the content of water in solution in the liquid is sufficient to cause crystallization of the viscous liquid, continuing the heating of the liquid containing the water in solution to cause crystalline bodies of boric oxide to be formed with a liberation of water vapor, the heating temperature being maintained at a value below the temperature at which the crystals dissolve until a desired amount of the crystalline boric oxide is developed, the content of the water in solution in the uncrystallized portion of the liquid maintaining a substantially contant ratio as the crystals are formed.

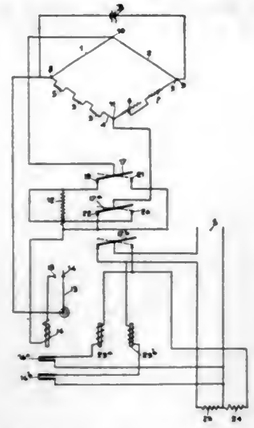
2,137,059

ELECTROMAGNETIC SYSTEM FOR THE AUTOMATIC REGULATION OF TEMPERATURES

Henri Moreau, Paris, France

Application March 20, 1936, Serial No. 69,997
In France March 25, 1935
1 Claim. (Cl. 236—69)

In an automatic hot air heating plant for railway vehicles, the combination, with a Wheatstone bridge system for automatically controlling the temperature of the heating air and including means for heating the air, of a contact galvanometer connected to the Wheatstone bridge, two mercury switches for controlling the circuit of the winding of the galvanometer, each of the middle terminals of the said switches being connected to one of the variable potential apices of said bridge, while the other terminals are connected together from one switch to the other and with the galvanometer-circuit in order to short-circuit the latter when mercury accidentally connects the three terminals of one of said switches, and a series of variable resistances responsive to temperature changes and constituting one branch of the Wheatstone bridge, the resistances in said series being respectively exposed to the temperature of the heating air when entering beneath the ceiling of the vehicle to the temperature of air flowing under the ceiling, to the predetermined ceiling temperature, to the temperature of cooled air after leaving the ceiling, to the temperature of the general atmosphere of the vehicle, to the temperature of the air exterior to



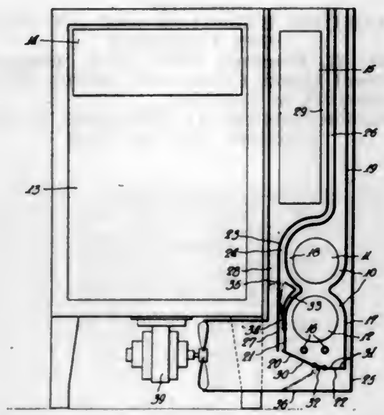
the vehicle, and to the cooling effect of the relative wind of the vehicle due to its motion during travel.

2,137,060

AUTOMATIC CONTROL OF REFRIGERATING APPARATUS

Stuart Otto, New York, and Lawrence Bruehl, Brooklyn, N. Y., assignors to Gas Refrigeration Corporation, Scranton, Pa., a corporation of Delaware

Application October 5, 1934, Serial No. 746,940
11 Claims. (Cl. 62—5)



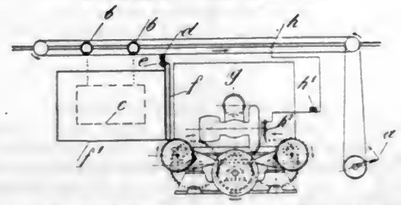
1. A refrigerating apparatus of the intermittently operating absorption type, including a boiler absorber, a casing extending around said boiler absorber, spaced therefrom to form a passageway therewith, and having an inlet opening, means for heating said boiler absorber intermittently, a damper extending across said inlet opening, and thermostatic means directly connected to said damper for automatically moving the latter into closed position while said heating means is in operation, and for moving said damper into open position when said heating means is turned off.

2,137,061

PROCESS AND DEVICE FOR TEMPERING GLASS

Alberto Quentin, Florence, Italy

Application February 23, 1937, Serial No. 127,144
In Italy May 23, 1936
4 Claims. (Cl. 49—45)



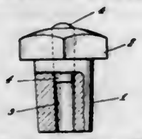
3. In an apparatus for tempering glass sheets and the like, the combination of a frame, shafts having cranks connected to the frame and terminating gear wheels at one of their ends and with pinion gears at their opposite ends, further shafts having cranks and being journalled in the frame at opposite ends thereof, gears at the same ends of said further shafts, meshing with the pinion gears of the first shafts, a series of nozzles and a nozzle supporting frame carried on the cranks of the said further shafts, whereby rotary movement of the first shafts causes the cranks thereof to impart a circular movement to the first frame and rotary movement of the further shafts imparts to the nozzle carrying frame a circular movement about the axes of the further shafts, said circular movement of the nozzle carrying frame being modified by the circular movement of the first frame to cause each of the nozzles to follow a continuous line of movement forming interlooping oval figures the major axes thereof coinciding with the radii of a circle describing the movement of the first frame.

2,137,062

NONSKID DEVICE

Hermann Räz-Ammann, Thoune, Switzerland

Application December 8, 1937, Serial No. 178,683
In Switzerland December 19, 1936
1 Claim. (Cl. 168—29)



A calkin of the type described, comprising a steel carrier provided with a conical axial bore, and a tungsten carbide pin having a correspondingly tapered stem of a length less than that of said bore and a convex face on its wider end, the whole length of said stem being sunk into said bore with said convex face projecting outwardly therefrom and the opposite end of the pin being spaced from the bottom end of said bore whereby the pin is supported exclusively by its peripheral surface.

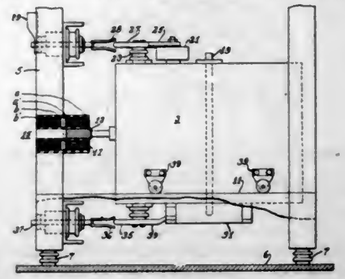
2,137,063

AUTOMATIC DISCONNECT FOR RECTIFIERS

Herbert A. Rose, Leonia, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 28, 1938, Serial No. 187,464
9 Claims. (Cl. 175—363)

1. A protective system for a sectionalized vapor-arc converter comprising a plurality of converter sections, a supporting structure for said sections, said converter sections being movably mounted in said structure, contact means for connecting electrical circuits to each of said sections, means



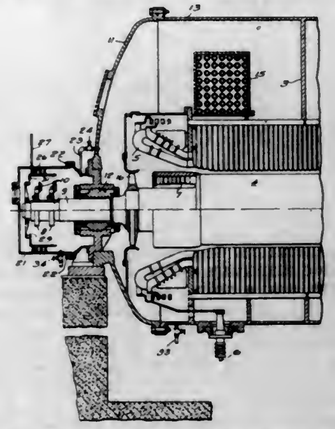
for selectively moving each of said sections to render said contact means inoperative and relay means responsive to abnormal operating conditions in any section of said converter for energizing said moving means to disconnect said faulty section.

2,137,064

HYDROGEN-COOLED DYNAMO-ELECTRIC MACHINE

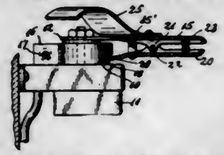
Malcolm D. Ross, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 26, 1937, Serial No. 150,451
4 Claims. (Cl. 171—252)



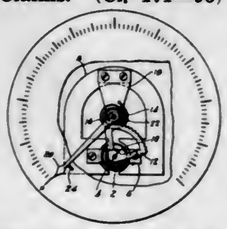
1. A dynamo-electric machine having stationary and rotatable members, a gas-filled machine-housing substantially hermetically enclosing said members, a current-collecting device associated with said rotatable member, a gas-tight casing enclosing said current-collecting device, means for so segregating said current-collector casing from said machine-housing as to substantially prevent the circulation of gas from one chamber to the other, a cooler for said machine-housing, a separate cooler element having a heat-exchanging surface associated with said current-collector casing, means for circulating a cooling medium from an external source over the heat-exchanging surface of said current-collector cooler, and means for causing an internal circulation of gas within said current-collector casing in heat-exchanging relation to its cooler.

2,137,065
SAFETY DOOR HANDLE FOR BUS AIR DOORS
Hans Schlesinger, New York, N. Y.
Application June 24, 1938, Serial No. 215,647
8 Claims. (Cl. 74—528)



1. A safety door handle for bus air doors, comprising an annular member adapted to encircle and be fixedly attached on a portion of the casing surrounding the operating stem of an air control for opening and closing bus doors and the like, a double layer strip of material engaging about said annular member and having its ends adjacent each other, a bolt engaging through the ends of said double layer strip for clamping same upon said annular member, elements fixedly clamped between the bottom edge portions of the layers of said strip forming recesses, a handle for attachment on said operating stem, and a lever mounted on said handle and engageable in said recesses for holding the handle in different fixed positions.

2,137,066
INSTRUMENT SCALE LENGTH MULTIPLIER
Benjamin H. Smith, Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 26, 1936, Serial No. 87,371
3 Claims. (Cl. 171—95)



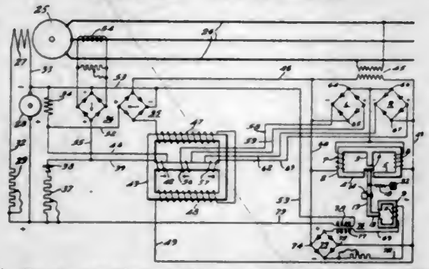
1. An electrical indicating instrument having a rotatable armature capable of rotation through 90° or less, and a spiral spring for biasing it to a zero position, an indicating pointer and a spindle for rotatably mounting it for movement over a scale substantially greater than 90°, means constituting a driving connection between said armature and spindle to move the pointer substantially completely over said scale, and a second spiral spring for biasing said pointer toward a zero position on said scale, said second spring being substantially weaker than the first mentioned spring.

2,137,067
SECTION INSULATOR FOR TROLLEY SYSTEMS
Lon C. Spencer, Indianapolis, Ind.
Application June 26, 1936, Serial No. 87,359
9 Claims. (Cl. 191—39)



1. A single-beam section insulator for overhead trolley systems, comprising, in combination, a main insulating member formed with a pair of similarly shaped relatively thin interlocked metallic reinforcing members therein, the insulating material of said insulating member being formed about and between said reinforcing members to secure them in fixed relation with each other, end means secured to the main member disposed to secure adjacent ends of a trolley wire, and a renewable wearing surface and arcing shield having outwardly flaring sides detachably secured about the under side of the insulating member.

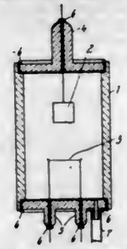
2,137,068
CONTACTLESS REGULATOR
Carroll E. Valentine, Forest Hills, and Vincent E. Thornburg, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 29, 1938, Serial No. 187,692
10 Claims. (Cl. 171—119)



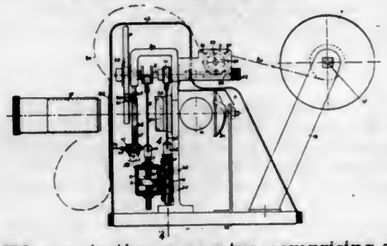
1. In a regular system, an electric circuit, a dynamo-electric machine having a field winding and connected for controlling a desired characteristic of the circuit, means for controlling the excitation of said field winding including a saturable reactor, an alternating current winding on said reactor and a rectifier having its alternating current side connected in series circuit relation with said reactor for supplying unidirectional current to control the excitation of said field winding, said reactor having two saturating windings connected in magnetic opposition, separate rectifiers for supplying current to said saturating windings, and means for oppositely varying the alternating voltage supplied to said rectifiers comprising a core having two magnetic circuits with a variable air gap in each circuit, windings provided about portions of each of said magnetic circuits and connected to a source of alternating current, and means controlled by the regulated quantity for oppositely varying said air gaps.

2,137,069
ELECTRIC DISCHARGE VESSEL
Hans Vatter, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application February 3, 1937, Serial No. 123,741
In Germany February 4, 1936
2 Claims. (Cl. 250—27.5)

1. A vacuum tube, particularly an electric discharge tube comprising a tubular ceramic body, ceramic end plates closing the ends of said body, the adjacent parts of said body and said plates being coated with a layer of base metal directly deposited on and integrated with the ceramic surface of said body and said plates, a hard solder seal bonding the base metal layers of said body and said plates, electric conductors arranged on said plates so as to pass through apertures of said plates, the wall surface of each of said apertures being coated with a layer of base metal deposited directly on the ceramic wall surface, and a hermetic seal of hard solder bonding said conductor with said base metal coating on said wall surface.



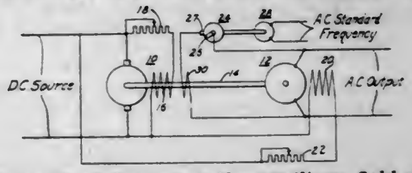
2,137,070
FILM PROJECTING APPARATUS
Wilhelm Voigt, Wiesbaden-Biebrich, Germany, assignor to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany
Application July 16, 1936, Serial No. 90,842
In Germany July 16, 1935
4 Claims. (Cl. 88—18.4)



1. Film projecting apparatus, comprising a film guiding device containing a projecting window, an objective before the said window and a lamp behind the window, a driven axle above the said window, a shutter disc on this axle, the vanes of the said shutter disc being able to cover the said projecting window, a heart-like shaped groove in the said shutter disc, a roller which slides in the said groove and a rod connected with the said roller, the groove being so adjusted that during one rotation of the disc the rod is moved once up and down, a cylinder fixed at the free end of the said rod beneath the said projecting window so that the axis of the cylinder is vertical to the said shutter disc, a piston slidably arranged in the said cylinder, two openings in the said cylinder near the ends of the cylinder, a rod on the said piston penetrating the base plate of the said cylinder which is located opposite to the said film guiding device, a fork-shaped gripper fixed to the said piston rod, a slide valve serving for regulating the gas supply to the said cylinder, which valve is driven by the said axle and so adjusted that the valve allows the gas to flow into the opening of the cylinder near the gripper side of the said piston, when the cylinder moves upward, and that the valve allows the gas to flow into the other opening of the cylinder when the cylinder moves downward.

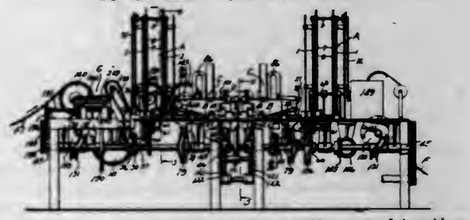
2,137,071
SPEED REGULATING SYSTEM
Douglass A. Young, East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 23, 1937, Serial No. 165,341
9 Claims. (Cl. 171—229)

8. In a speed regulating system, a motor having main and auxiliary field windings, an alternating-current generator driven by said motor and means for so controlling the speed of said motor as to maintain a predetermined frequency of generator output comprising means for connecting said generator voltage to said auxiliary field winding for limited intervals at said predetermined frequency so that when said generator voltage is at the same frequency as said



predetermined frequency the auxiliary field will always be affected the same by that portion of the generator voltage wave to which it is intermittently connected and when said generator speed increases or decreases, the part of the generator voltage wave to which said auxiliary field is intermittently connected will be such as to increase or decrease the excitation of said motor so as to regulate its speed to re-establish the desired generator frequency.

2,137,072
MATCH BOOK MACHINE
Edwin J. Bell, Oshkosh, Wis., assignor to The Bell Machine Company, Oshkosh, Wis., a corporation of Wisconsin
Application May 6, 1935, Serial No. 20,027
18 Claims. (Cl. 164—49)

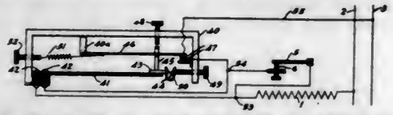


1. In a match book machine, the combination with means for severing blanks from match combs, of match comb feeding means including rolls provided with continuously operable driving connections and frictionally operable upon match combs for the longitudinal advance thereof across the path of said severing means, and a stop for limiting said advance at a point appropriate for the severing of a blank from the match comb fed by said means said feeding means being operable at a rate in excess of that required for the advance of match combs to the blank severing means whereby to assure the determination of the size of the blank by engagement of the end of the comb with said stop and to provide a dwell at said stop for the operation of said severing means.

2,137,073
THERMOSTATIC CONTROL SYSTEM
Edward Bletz, Lexington, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 12, 1936, Serial No. 68,421
3 Claims. (Cl. 219—20)

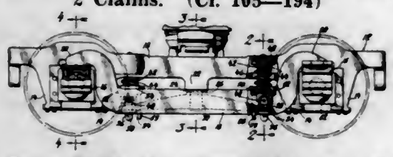
3. In a control system for a heating appliance, a thermally responsive circuit controller subject to the temperature of the appliance, and a ther-

mal relay sufficiently remote from said appliance to be substantially uninfluenced by the temperature thereof and controlled by said circuit controller, said relay comprising a contact-maker-and-breaker for opening and closing the circuit of said appliance, a spring for biasing said contact-maker-and-breaker to one of its circuit-con-



trolling positions, and a thermostatic member having an operative mechanical connection with said contact-maker-and-breaker and being electrically connected in parallel relation to said circuit controller thereby to cooperate in the mechanical actuation of said contact-maker-and-breaker in conjunction with said spring upon operation of said circuit controller.

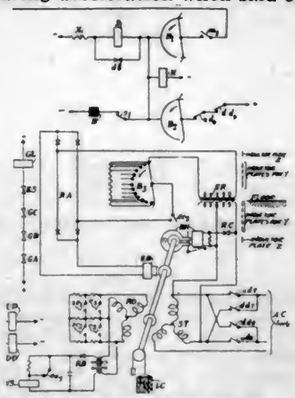
2,137,074
RAILWAY CAR TRUCK
Martin P. Blomberg, Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 6, 1937, Serial No. 152,061
2 Claims. (Cl. 105—194)



1. In a truck, the combination of a hollow side frame member having upper and lower horizontally extending walls, the lower wall having a plurality of openings formed therethrough, a supporting member, a leaf spring having its central portion connected to the lower wall of the side frame member and its ends connected to the supporting member, and a plurality of coil springs extending through the openings in the lower wall of the side frame member so that the upper ends of the coil springs bear against the under surface of the top wall of the side frame member and the lower ends of the coil springs bear upon the supporting member.

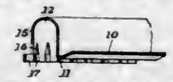
2,137,075
CONTROLLING SYSTEM FOR LIFTS
Alexander Albert Chubb, Coventry, England, assignor to The General Electric Company Limited, London, England
Application September 17, 1936, Serial No. 101,221
In Great Britain September 18, 1935
11 Claims. (Cl. 172—152)

8. In a lift control system for serving a plurality of floors, an alternating current motor for driving the lift, resistance coils in the rotor circuits of the motor, control means having an off position, relays arranged to be energized by operation of the control means for effecting operation of the motor for up and down travel of the lift, an eddy-current brake for controlling the motor during deceleration, a sequence relay arranged to be operated by the lift while travelling to a stop at a floor, and only when said control means is in its off position, for controlling operation of said brake, sequence step-by-step switching means controlled by said last named relay, relays controlled by said sequence switching means and operating contacts for short circuiting and inserting said rotor resistances, the arrangement being such that said resistances are short-circuited at normal speed of the motor and inserted during deceleration when said eddy-cur-



rent brake is operated and an inductor plate relay arranged to cooperate with a plurality of inductor plates in sequence for operating said sequence relay.

2,137,076
CONTAINER CLOSURE
Guy O. Conner, Wheeling, W. Va., assignor to Wheeling Steel Corporation, Wheeling, W. Va., a corporation of Delaware
Application August 6, 1936, Serial No. 94,630
5 Claims. (Cl. 220—59)



2. A container closure having a continuous down-turned flange adapted to be curled around the false wire of a container, holes adjacent the flange edge forming lugs therebetween capable of bending inwardly without interference with each other, the edge of the flange being continuous across said holes, but bent out of the general plane of the flange adjacent the holes.

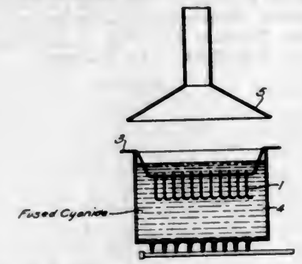
2,137,077
DISCONNECT SWITCH
Herbert J. Crabbs, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 16, 1936, Serial No. 74,708
15 Claims. (Cl. 200—48)



1. In an electric switch, a pair of spaced insulator columns, contact means mounted on each of said spaced insulator columns, a rotatable insulator disposed intermediate said spaced insulator columns, a blade means normally supported on said rotatable insulator for movement into and out of engagement with said contact means, and means responsive to the rotative movement of said rotatable insulator for causing said blade means to engage said contact means with a high

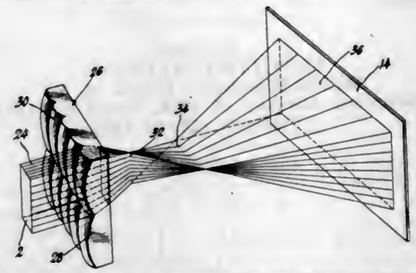
pressure contact, said blade means having contact portions adapted to interlock with said contact means in one of a plurality of predetermined positions for interconnecting said spaced insulator columns prior to movement of said blade means into high pressure engagement with said contact means.

2,137,078
METHOD OF HEAT TREATING BIMETAL
Hiller D. Dorfman, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 1, 1935, Serial No. 43,007
3 Claims. (Cl. 148—13.1)



1. The process of heat treating a bimetallic member to remove strain therein, which comprises immersing it in a bath of alkali cyanide at a temperature between 1450° F. and 1500° F. for from ten to fifteen seconds.

2,137,079
LENS
Robert N. Falge, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 22, 1935, Serial No. 51,007
3 Claims. (Cl. 240—41.4)

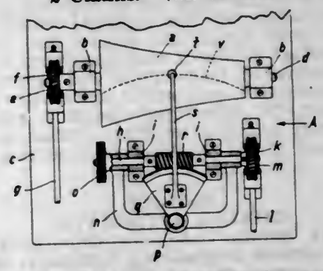


1. A lens for an automobile headlamp comprising, one plain surface, a plurality of similar adjacent horizontal parti-cylindrical parallel flutes on the opposite face, a second series of smaller vertical similar adjacent parallel flutes superimposed on the first set and having their axes at right angles to the axes of the first set and having smaller radii and larger curvature than the flutes of the first set whereby the resultant surface of the distorted lens face has a curvature in two directions at right angles to each other and the impinging light which passes through the lens will be spread or dispersed only in two directions at right angles to each other, each set having a comparatively short symmetric arcuate length whereby the irregular surface will be comparatively flat and there will be no sharp projections.

2,137,080
MOTOR FUEL
Herbert G. M. Fischer, Westfield, and Clifford E. Gustafson, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application May 28, 1935, Serial No. 23,860
6 Claims. (Cl. 44—9)

1. A motor fuel consisting essentially of gasoline containing constituents normally tending to deteriorate and form gum during storage, to which has been added about 0.01–1.0 grams per liter of a gum inhibitor consisting of an aromatic compound with a condensed hydrocarbon ring structure and a substituent selected from the class of hydroxyl and amino groups in the alpha position thereof, and about 0.5–6.0 cc. per gallon of a metallo-organic anti-knock agent having anti-detonation and other properties substantially equivalent to those of lead tetraethyl.

2,137,081
CAM FOLLOWER MECHANISM
Erich Franke, Jena, Germany, assignor to firm of Carl Zeiss, Jena, Germany
Application August 22, 1936, Serial No. 97,416
In Germany September 12, 1935
2 Claims. (Cl. 74—54)

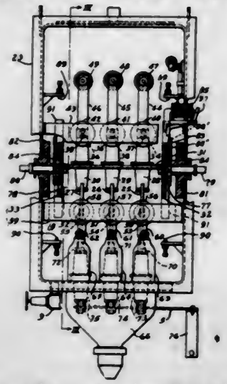


1. A cam follower mechanism for mechanical reproduction of a mathematical function of the variable angles of rotation of two rotatable shafts, said mechanism consisting of a base plate, a cam body mounted on said base plate and rotatable about an axle, means for transmitting the angles of rotation of one of said two shafts to said cam body, a contact lever rotatably mounted on another axle, said other axle being at right angles to first said axle and so mounted on said base plate as to be rotatable about a third axle, said third axle being parallel to first said axle, means for transmitting the angles of rotation of said other shaft to said contact lever, and means for pressing said contact lever against said cam body.

2,137,082
ELECTRICAL APPARATUS
Henry S. Gates, Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 6, 1936, Serial No. 62,663
6 Claims. (Cl. 200—5)

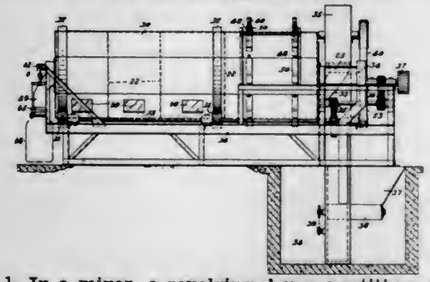
2. In a transformer grounding switch, in combination, a transformer terminal contact member, a line terminal contact member, a ground contact member, a switch disposed for movement to electrically connect the line terminal contact member to the transformer terminal contact member or the line terminal contact member to the ground contact member, the switch being also disposed for movement to open

circuit position where it is in contact with the line terminal contact member but does not bridge a plurality of contact members, means for limiting the extent of the movement of the switch member in the direction of the open circuit position, the transformer terminal contact member being disposed between the said limiting means and the ground contact member, means for so actuating the switch member that it progressive-



ly moves from the open circuit position to bridge the transformer and line terminal contact members and then bridge the ground and line terminal contact members which positions are generally designated transformer and ground positions respectively, and means cooperative to lock the switch in transformer position when the transformer and line terminal contact members are bridged if the transformer is energized.

2,137,083
MIXING APPARATUS
George H. Haines, Caledonia, Ohio, assignor to The Fairfield Engineering Company, Marion, Ohio, a corporation of Ohio
Application October 21, 1936, Serial No. 106,795
9 Claims. (Cl. 259—3)

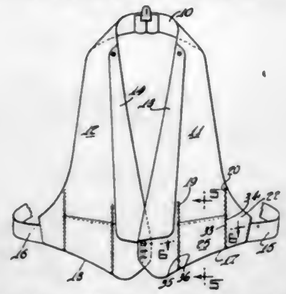


1. In a mixer, a revolving drum, partitions dividing it into a plurality of sections including a screening section at one end, a lump conveyor extending into the screening section, a chute frame extending into the drum from the other end, said conveyor and frame having inner bearings supported on the partition between the screening section and the adjacent section.

2,137,084
PROTECTIVE COATING
Clarence L. Hauthaway, Newton, Mass.
No Drawing. Application November 25, 1936, Serial No. 112,837
2 Claims. (Cl. 134—54)

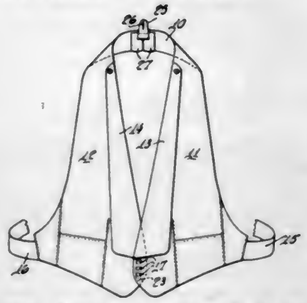
2. The method of preparing a liquid coating composition comprising the steps of forming a milled mixture of about three parts rubber and one part rubber-like solids; forming a first master batch by milling one part of sulphur with nineteen parts of the said mixture; forming a second master batch by milling one part of zinc oxide with nineteen parts of said mixture; forming a base by milling approximately 2.5% of each master batch with ninety-five per cent of the milled rubber and rubber-like solids; dissolving the mixture thus obtained in three parts of solvent, adding small quantities of gums, and plasticizers, and dissolving therein from two to sixty per cent of a copper toxic.

2,137,085
VEST POCKET CONSTRUCTION
Rudolf Hirschfeld, New York, N. Y.
Application January 15, 1938, Serial No. 185,113
4 Claims. (Cl. 2—102)



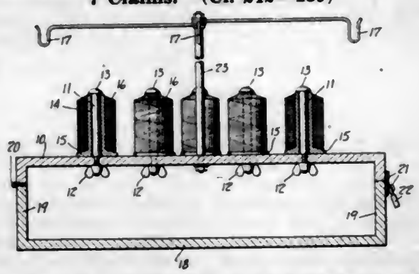
1. In a vest, a front portion provided with a pair of spaced substantially parallel darts extending upward from the lower edge of said portion, an insert element of like material overlying the tail of material between said darts and conforming to it in width, said insert element extending to said lower edge, and a lining extending between the upper edge of said insert element and the lower edge of said tail, thereby defining a pocket.

2,137,086
VEST CONSTRUCTION
Rudolf Hirschfeld, Bronx, N. Y.
Application January 15, 1938, Serial No. 185,114
4 Claims. (Cl. 2—102)



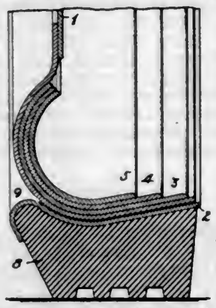
1. In a vest, front portions one of which is provided with a series of buttons, the other with corresponding buttonholes, a trouser-engaging tab secured to the button-carrying portion, and a flap carried by and behind said button-carrying portion and behind said tab, said flap having a slit below the upper end of said tab through which the free end of said trouser-engaging tab may extend.

2,137,087
SPOOL CARRIER
Rudolf Hirschfeld, New York, N. Y.
Application January 28, 1938, Serial No. 187,433
7 Claims. (Cl. 242—139)



1. In a spool carrier, a supporting panel, a spool rotatably mounted on the obverse side of the panel, an abutment spaced from the panel and aligned with the spool for preventing withdrawal of the spool from the panel, releasable means on the reverse side of the panel for securing said abutment against movement away from the panel, and a removable box-like enclosure for said releasable means, said enclosure having means for locking the same to prevent unauthorized access to the interior thereof.

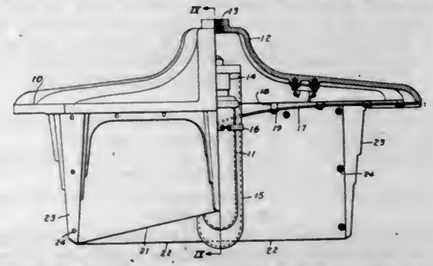
2,137,088
VEHICLE WHEEL
Henry R. Howland, Brooklyn, N. Y.
Application May 3, 1938, Serial No. 205,670
4 Claims. (Cl. 152—29)



1. In a vehicle wheel of the character described, a flexible felly comprising a plurality of deeply dished rings nested together, the outer ring forming a seat for a yielding tire tread, said rings yielding transversely of the plane of rotation of the wheel.

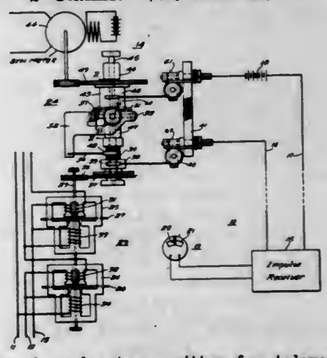
2,137,089
LIGHTING FIXTURE
Samuel B. Kraut and Harry J. Chase, Lakewood, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 8, 1935, Serial No. 9,997
6 Claims. (Cl. 240—25)

1. A lighting fixture comprising in combination, a housing having a dome-shaped central portion and oppositely disposed wing portions, a lamp, a socket mounted within the dome-shaped central portion of the housing for supporting the lamp in a vertical position beneath the housing, a plurality of reflector plates supported by the main housing in vertical relation thereto and on opposite sides of the lamp, said reflector plates extending along the edges of the wing portions, and reflector plate means disposed in a substan-



tially horizontal position underneath the wing portions of the housing above the lamp and in abutting relation to the upper edges of the said vertically disposed reflector plates.

2,137,090
TELEMETERING APPARATUS
Bernard E. Lenehan, Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 15, 1935, Serial No. 36,343
2 Claims. (Cl. 200—28)

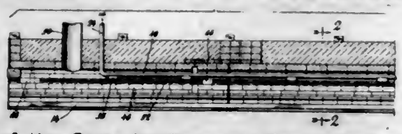


1. In an impulse transmitter for telemetering systems, in combination, a rotatable make and break element having a slip ring, a resiliently mounted stationary brush engaging said slip ring, a contact element engaging the make and break element, means for resiliently supporting and rotating the contact element around the make and break element, said means including a second slip ring, a pivotally mounted bracket to which the contact element is secured and means for biasing the pivotally mounted bracket in a direction to cause the contact element secured thereto to be urged toward the commutator, and a second resiliently mounted brush engaging the slip ring on said supporting and rotating means for the contact element.

2,137,091
TUNNEL KILN
Taine G. McDougal, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 4, 1936, Serial No. 57,499
13 Claims. (Cl. 25—142)

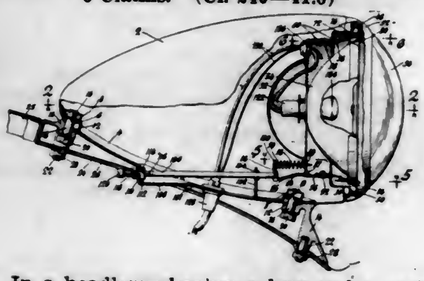
1. In a tunnel kiln a firing zone comprising a tunnel, means for continuously passing ware through the tunnel, and means for projecting

flame upon the ware, said last-named means being focused on the ware so that substantially



all of the flame impinges on the ware, producing combustion at the surface thereof.

2,137,092
HEAD LAMP
Clarence A. Michel, Howard C. Mead, and Robert Winkelmeyer, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 12, 1936, Serial No. 63,500
6 Claims. (Cl. 240—41.6)



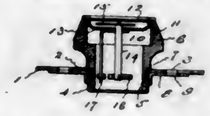
1. In a headlamp having a lens and a casing supporting said lens, an adjustable reflector enclosed by the casing for cooperation with the lens, and a pivotal support for the reflector including a forwardly projecting finger extended through an opening in the rim of the reflector, a pin carried by the reflector and loosely engaging an aperture in said finger and a hairpin spring bearing at its bight on said finger and at its leg extremities on said reflector rim.

2,137,093
OPENING AND CLEANING OF TEXTILE FIBERS
Joseph Monforts, Gladbach-Rheydt, Germany, and Jerome Coussement, Beveren (Lys), Belgium, assignors to A. Monforts, Gladbach-Rheydt, Germany, a corporation of Germany
Application September 22, 1937, Serial No. 165,028
In Germany October 2, 1936
6 Claims. (Cl. 19—30)



1. The process of opening and cleaning a band of textile fibers, consisting in feeding the band through a breaker, condensing the lap delivered by the breaker, passing the lap in a zig-zag course through a series of elastically mounted ribbed rolls and simultaneously subjecting it to the action of elastically supported beaters, attenuating the lap, passing it through another series of elastically mounted ribbed rolls and simultaneously subjecting it to the action of elastically supported beaters, again attenuating it, and then subjecting it while elastically supported to beater action.

2,137,094
TEMPERATURE INDICATING MEANS FOR CULINARY VESSEL CLOSURE
Frederick A. Nodine, Terryville, Conn., assignor to The Cooper Oven Thermometer Company, Pequabuck, Conn., a corporation of Connecticut
Application December 9, 1937, Serial No. 178,887
1 Claim. (Cl. 73—343)

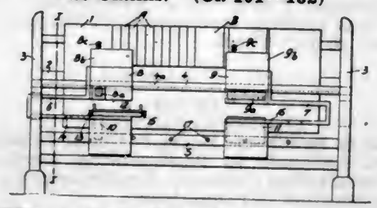


The combination with a culinary vessel cover having a central perforation, of a metallic cup rotatably fitted in and extending through said perforation, said cup having its closed end inside of the cover and its open end outside of the cover, and a knob of low heat conductivity having an axial opening therethrough with its inner open end fixed in said cup and a transparent closure fixed in its outer end, temperature indicating means disposed in said knob with its actuating means near the bottom of the cup and its indicating means visible through the transparent closure.

2,137,095
PURIFICATION OF HYDROGEN HALIDES
Edward B. Peck, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 24, 1936, Serial No. 117,538
4 Claims. (Cl. 23—152)

4. The method of removing free chlorine impurity from hydrogen chloride containing not substantially more than 20% of free chlorine which comprises contacting the mixture in gaseous form with a liquid cracked petroleum oil having a flash point above 300° F. and a viscosity of less than 45 seconds Saybolt Universal at 210° F. and containing substantial quantities of unsaturated hydrocarbons, at a temperature of 0 to 200° F.

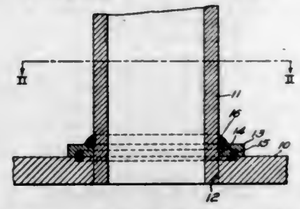
2,137,096
ROTARY REPRINTING AND COPYING MACHINE AND A METHOD OF OBTAINING PRINTED COPIES FROM A MIRROR SCRIPT ORIGINAL
Wilhelm Ritzerfeld, Berlin, Germany
Application September 28, 1937, Serial No. 166,171
In Germany September 30, 1936
20 Claims. (Cl. 101—132)



1. The method of printing onto copy sheets previously moistened with a readily volatilizing solvent a text having a constant portion to be imprinted onto each of said copy sheets and a varying portion having a plurality of lines to be selectively imprinted onto said copy sheets which comprises tensioning around the circumference of a printing drum a copyable mirror script original bearing said text with its lines in the direction of rotation of said drum, moistening

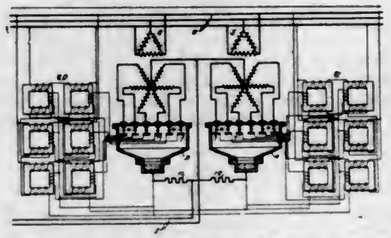
a strip of said copy sheet having a width corresponding to that of said constant portion with a readily volatilizing solvent, moistening another strip of said copy sheet having at least a single-line width with said solvent, and subsequently passing said moistened copy sheet in contact with said original to print said constant portion and at least one line of said variable portion onto said copy sheet at different portions thereof.

2,137,097
JOINT STRUCTURE AND METHOD OF MAKING THE SAME
Martin G. Sateren, West Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 27, 1936, Serial No. 66,011
9 Claims. (Cl. 113—112)



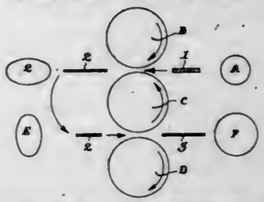
6. In the method of attaching a copper tube to a stainless steel member having an opening therein to receive the copper tube, in combination, positioning an intermediate non-ferrous metal member on the surface of the stainless steel member about the opening therein, the intermediate non-ferrous member having an opening therein of a shape and size similar to the opening in the steel member, resistance-welding the intermediate non-ferrous member to the stainless steel member, positioning the copper tube in the openings in the non-ferrous member and the stainless steel member, and soldering the copper tube to the non-ferrous member to provide a leak-proof joint between the members.

2,137,098
CONTROL OF PARALLEL WORKING SETS COMPRISING CONTROLLED GAS DISCHARGE PATHS
Walter Schilling, Berlin-Spandau, Germany, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany
Application March 5, 1936, Serial No. 67,291
In Germany March 12, 1935
3 Claims. (Cl. 175—363)



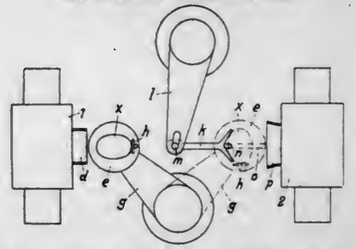
1. An electrical conversion system comprising two parallel connected arc discharge devices, each having a plurality of substantially independent arc paths, control electrodes associated with each of said arc paths, an impulsing device associated with each of said arc discharge devices for supplying control impulses to the control electrodes of said devices, a resistor in series with the load current of each of said devices and means for impressing the voltage drop across each resistor onto the impulsing device corresponding to the opposite discharge device to alter the control angle of each of said devices to equalize the voltage drops across said resistors.

2,137,099
METHOD OF MANUFACTURING CIRCULAR SHEET METAL DISKS
Hans Schuster, Immigrath-on-the-Lower-Rhine, Germany
Application February 7, 1935, Serial No. 5,346
In Germany December 15, 1934
6 Claims. (Cl. 80—16)



1. The method of manufacturing sheet metal disks by rolling out a disk between cylindrical rolls, comprising first rolling a circular disk work-piece into elliptical shape and then repeatedly turning it through an angle of which 90° is a multiple and further rolling it to reduce its thickness until a circular shape is again obtained, each successive pass of the work-piece between the rolls, after the first pass, being so determined that the reduction in thickness produced thereby will be of the same percentage as that of the first.

2,137,100
ROLLING MILL
Hans Schuster, Immigrath, Germany
Application April 3, 1936, Serial No. 72,465
In Germany April 30, 1935
13 Claims. (Cl. 80—16)



10. Apparatus for rolling discs, comprising in combination, two sets of rolls disposed adjacent each other for successively acting upon a disc in angularly changed positions to alternately roll it into circular and elliptical shapes, a support for receiving the rolled disc as it leaves the first set of rolls, means associated with said support for halting the disc accurately in predetermined position, and means cooperating with said support for feeding the disc in angularly turned position relative to an axis in the plane of the disc to the second set of rolls, said last-mentioned means being of such a nature as to present the curved-edge circular or elliptical disc accurately in a predetermined angular relationship to the second set of rolls.

2,137,101

PROCESS FOR PREPARING CATALYSTS FOR HYDROGEN PRODUCTION

William E. Spicer, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 17, 1935, Serial No. 54,854
20 Claims. (Cl. 23—233)

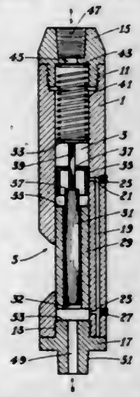
1. Process for preparing an improved catalyst suitable for hydrogen production by reaction of hydrocarbon and steam, comprising mixing a small amount of combustible lubricant with a powder containing nickel and a metal oxide not reducible with hydrogen under the conditions of said reaction, compressing the mixture into dense lumps, heating the lumps in an oxidizing atmosphere at a temperature above about 1600° F. and heating said lumps in a reducing atmosphere at about said temperature.

2,137,102

FLUID FLOW INDICATOR

Charles F. Terrell, Jr., Chicago, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

Application May 18, 1936, Serial No. 80,369
10 Claims. (Cl. 73—194)



1. A fluid flow indicator comprising a body portion having a passageway therethrough connected to an inlet and an outlet, a slidable member mounted in said passageway, said member preventing passage of fluid from said inlet to said outlet, a by-pass connecting said inlet and said outlet, and means cooperating with said by-pass to automatically permit passage of fluid therethrough only at the end of the forward stroke of said slidable member, means for effecting return of said slidable member to its initial position during flow of fluid through the indicator, and means for disclosing movement of said member.

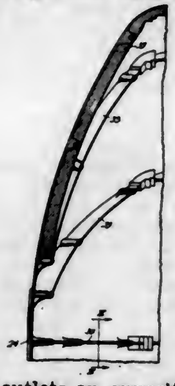
2,137,103

COOLING AND VENTILATING SYSTEM FOR SEARCHLIGHTS

Irvine A. Yost, Lakewood, Ohio, and William H. Jacobi, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 26, 1935, Serial No. 33,290
17 Claims. (Cl. 176—115)

2. In a searchlight, a drum having an outlet at the top thereof and additional outlets on opposite sides of the top outlet, a reflector in the drum spaced from the back thereof and forming a passage between its edge and the sides of the drum, means for introducing a cooling medium into the drum back of the reflector, said cooling medium flowing radially over the back of the reflector through the said passage and out



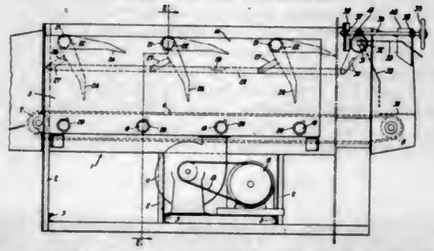
through the outlets on opposite sides of the top outlet, and a hood device communicating with said top outlet and having an inlet opening adjacent the arc for collecting and discharging the gases and combustion products from the drum.

2,137,104

SWINGING NOZZLE

Erich R. Zademach, Elizabeth, N. J., assignor to Metalwash Machinery Company, New York, N. Y., a copartnership composed of Herman O. Boehme, Erich R. Zademach, and Albert C. Nolte

Application May 19, 1936, Serial No. 80,511
5 Claims. (Cl. 34—12)



5. In a drier, the combination with a drying chamber and a conveyor running therein, of a succession of similar nozzles disposed at intervals over the conveyor, a fluid manifold, means supporting the nozzles individually from the fluid manifold and in independent communication therewith, with capacity for adjustment relative thereto to shift the nozzle tips toward and from the conveyor, an operating member disposed outside the chamber for adjusting the nozzles, and means connecting said operating member with the several nozzles to cause all the nozzles to be adjusted simultaneously and in unison to change the height of the clearance path between the conveyor and the nozzle tips uniformly throughout, at a single operation.

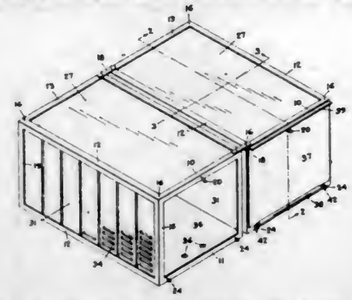
2,137,105

COLD STORAGE LOCKER

Alwin G. Amos, Earl E. McGrew, and Philip Hergenrader, Lincoln, Nebr., assignors to Nebraska Appliance Company, Lincoln, Nebr., a corporation of Nebraska

Application April 23, 1936, Serial No. 75,938
5 Claims. (Cl. 220—4)

5. A cold storage locker, comprising a rigid body frame composed of angle beam edge portions joined together at the corners of the frame providing open sides, top and bottom therein, side panels removably fitted in the sides of the frame against the adjacent angle beams thereof, a bottom panel interlocking with the lower end portions of the side panels to hold the latter spread apart against the frame, a top panel fit-



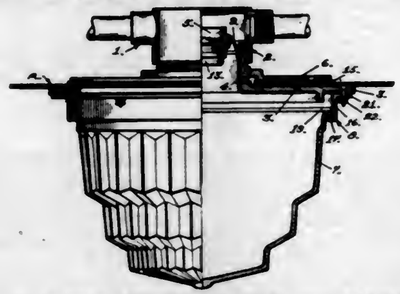
ted in the frame in the upper ends of the side panels, removable holding means carried by the frame and engaging the top and bottom panels to hold the same in place and retain the side panels from removal, and a closure panel removably secured between the holding means for locking the latter against removal.

2,137,106

LIGHT FIXTURE

Carl E. Baldauf, Los Angeles, Calif., assignor to Clarice Lienhard, Los Angeles, Calif.

Refiled for abandoned application Serial No. 93,441, July 30, 1936. This application July 22, 1938, Serial No. 220,796
3 Claims. (Cl. 240—78)



1. In a light fixture, an outlet box adapted to be placed on one side of a wall or ceiling, a threaded extension on said box, a clamping and adapter plate adapted to engage the other side of the wall or ceiling, a hub integral with said plate and threadedly engaged with said extension, a light socket held in place by and between said extension and hub and extending into the latter, a bowl and means for securing said bowl to said plate and a clamping ring threaded on said hub and adapted to clamp against the wall or ceiling.

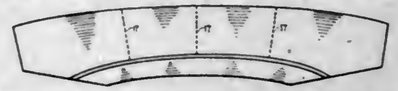
2,137,107

COLLAR FOR OVERCOATS AND TOPCOATS

Samuel A. Beebe, New York, N. Y.

Application September 24, 1937, Serial No. 165,452
2 Claims. (Cl. 2—98)

1. A collar comprising, as a basis, an undercollar cut in four pieces, said pieces being sewed together and the seams pressed open, a piece of collar canvas of a predetermined size, lengthwise cut, and disposed on top of said undercollar evenly, on a prefixed line, a second piece of collar canvas of a predetermined size, cut on the bias and secured to the undercollar along said prefixed line, said canvas being stitched on the seams through the cloth, whereby to form an open-



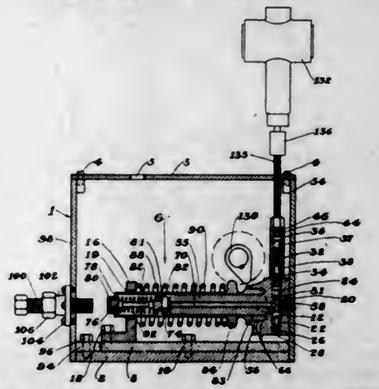
crease canvassed undercollar, a padding arranged on said undercollar at the top and bottom thereof, and a top collar secured to the undercollar, by sewing the outside edges of the top collar and the undercollar together.

2,137,108

FLUID PRESSURE PUMP

Richard H. Carr, Chicago, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

Application December 24, 1934, Serial No. 759,036
6 Claims. (Cl. 184—27)



2. A force feed lubricator comprising a cylinder, a plunger slidably mounted therein, a sleeve surrounding said cylinder, an annular cylinder in which said sleeve reciprocates, a passageway communicating with said first mentioned cylinder through which fluid can be drawn and discharged, a passageway communicating with said annular cylinder through which fluid can be drawn and discharged, cam mechanism for actuating the sleeve during its suction stroke, a spring for actuating the sleeve during the discharge stroke, an inwardly extending abutment on said sleeve and an outwardly extending abutment on said plunger immediately in front of said sleeve abutment and adapted to engage against it, a coil spring surrounding said plunger and abutting between said sleeve abutment and an abutment fastened adjacent the end of said plunger, and means for shortening the suction stroke of the plunger without affecting the stroke of the sleeve member.

2,137,109

BORON ALLOY STEEL

Anthony G. de Golyer, New York, N. Y.

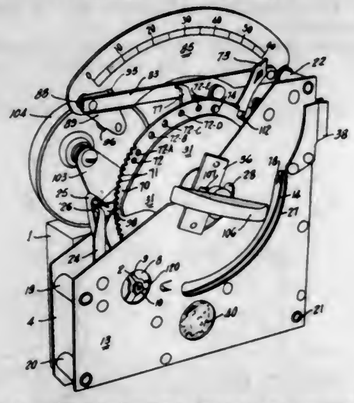
No Drawing. Application July 9, 1936, Serial No. 89,775
1 Claim. (Cl. 75—126)

An alloy consisting of molybdenum 6% to 16%, boron 0.25% to 2.50%, zirconium 0.25% to 5%, chromium 2% to 6%, vanadium 0.50% to 3%, carbon 0.10% to 0.90%, the balance substantially iron.

2,137,110
BORON ALLOY STEEL
Anthony G. de Golyer, New York, N. Y.
No Drawing. Application July 10, 1936, Serial No. 90,001
1 Claim. (Cl. 75—126)

An alloy consisting of molybdenum 6% to 16%, boron 0.25% to 2.50%, zirconium 0.25% to 5%, cobalt 2% to 15%, chromium 2% to 6%, vanadium 0.50% to 3%, carbon 0.10% to 0.90%, the balance substantially iron.

2,137,111
COIN CONTROLLED TIME MEASURING MECHANISM
Gerald A. Hale, Oklahoma City, and Holger G. Thuesen, Stillwater, Okla., assignors to Dual Parking Meter Company, a corporation of Delaware
Application March 9, 1936, Serial No. 67,997
8 Claims. (Cl. 194—83)



1. In a coin controlled device: a manually rotatable coin disc having a peripheral arcuate slot for contacting a coin edge; a coin shuttle independently rotatable about an axis common to the axis of said disc and in close proximity thereto; a coin holder rotatably mounted on said shuttle and including an integral arm projecting axially toward the slot in said coin disc; a coin holder pawl rotatably mounted on said shuttle adjacent said holder and normally adapted to limit the rotation of the coin holder in one direction about its axis; a fixed pawl release member; means for guiding a coin to a position between the coin holder arm and the slotted edge of the disc; said holder and disc being so constructed and positioned as to be locked to rotate together by a coin held therebetween; said pawl release member adapted to partially rotate said pawl after a predetermined travel of disc and shuttle, thus releasing said coin holder to partial rotation relative to the coin disc, thus releasing the coin from between the two and dissolving their locked relation; and power means for returning the shuttle and coin holder to their original positions after the release of the coin.

2,137,112
APPARATUS FOR CUTTING CURVED GLASS SHEETS
Alfred L. Harrington, Rosslyn Farms, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application February 15, 1938, Serial No. 190,621
4 Claims. (Cl. 33—21)

1. In apparatus for cutting a glass sheet bent to a given radius of curvature, a table for supporting the sheet having its face of the same radius of curvature as the sheet, a horizontal axis of rotation for the table at the center of said radius of curvature, a templet carriage mounted above the table for horizontal movement transversely of said axis of rotation, a flat horizontal templet secured to the carriage, connections between the table and carriage for oscillating the

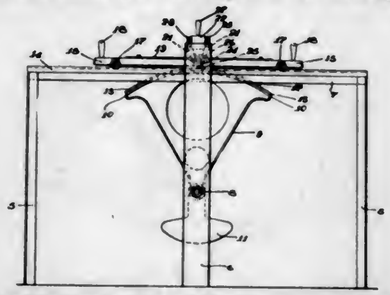
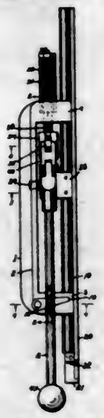


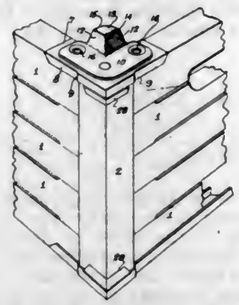
table with the back and forth movement of the carriage, a horizontal cutter bridge above the table in vertical alinement with said axis of rotation and parallel thereto, a cutter carriage mounted on the bridge for guided movement longitudinally thereof, a scoring tool on the cutter carriage for engaging the glass sheet, and means on the cutter carriage engaging the templet.

2,137,113
WORK CLAMP
John P. Hobart, Kalamazoo, and Edward C. Krueger, Otsego, Mich., assignors to Hammond Machinery Builders, Inc., Kalamazoo, Mich., a corporation of Michigan
Application February 19, 1937, Serial No. 126,562
12 Claims. (Cl. 90—60)



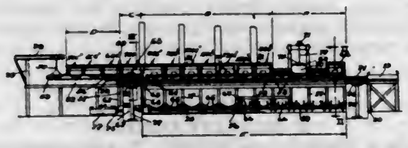
3. A clamp comprising a base, an elongated jaw bar moveably supported at the side of said base, a block fixed to said jaw bar, a hand lever pivoted to said block, means acting to elevate the free end of said hand lever, a yoke, a spring biased rod, a rod engaging wedge pivoted to said yoke to engage said rod between the ends of the yoke, a link connecting said hand lever to said wedge so that when the hand lever is swung downwardly the wedge is turned to engage said bar and lock the yoke and bar together, and spring means urging said block and yoke toward each other and acting to hold the parts in temporarily locked relation when the link and hand lever are substantially in line with one another.

2,137,114
BOTTLE CRATE
John A. Hopwood, Great Neck, N. Y.
Application March 11, 1935, Serial No. 10,362
2 Claims. (Cl. 217—65)



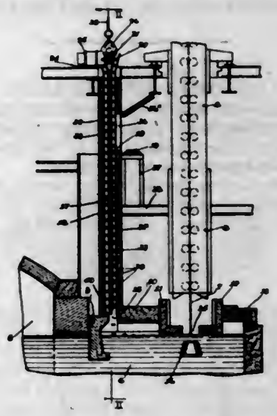
1. A bottle crate comprising four walls, each consisting of superimposed slats, corner irons at the four corners of the crate provided adjacent the upper and lower edges of the crate with external shouldered bosses, corner caps overlying the upper four corners of the crate and provided with depending flanges at their inner and outer edges to overlap the inner and outer faces of the uppermost slats and seat upon the upper shouldered bosses of the corner irons, runners extending along the lower edges of two opposite walls of the crate for the full length thereof and for a portion of the length of the other two opposite walls of the crate and having at the inner and outer edges of said runners upstanding flanges overlying the inner and outer faces of the lowermost slats of the crate and seating against the lower shouldered bosses of the corner irons, and tie rods extending vertically through the slats and through the caps and runners to secure the caps and runners together and to the interposed slats.

2,137,115
APPARATUS FOR BENDING GLASS SHEETS
Philip P. Marshall, Ford City, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application May 29, 1937, Serial No. 145,412
5 Claims. (Cl. 49—58)



4. Apparatus for bending glass sheets comprising a tunnel kiln, means for heating the kiln so that the temperature ranges progressively along the length thereof up to the bending temperature of glass and then decreases to a point below the lower limit of the critical annealing range of the glass, cars each provided with a mold of finely divided refractory material having a face of the contour to which the glass sheets are to be bent, lifting members embedded in the mold material of each mold beneath the surface thereof for lifting the glass sheets from the molds after they have been bent and cooled through the critical annealing range, means for moving the cars through the kiln, a cooling tunnel having its receiving end adjacent the point of removal of the glass sheets from the molds, means whereby said lifting means with the glass sheets thereon are transferred from the molds to the receiving end of the cooling tunnel, means for carrying the sheets through the cooling tunnel, the temperature of such cooling tunnel gradually decreasing from its receiving end to its outlet end, so that the sheets are reduced to handling temperature in their passage therethrough, means for returning the cars from the tunnel kiln and returning them to the entrance end thereof, and spreader means along the line of return movement of the cars adapted to move over the surface of the molds and smooth the material thereof to the desired contour.

2,137,116
APPARATUS FOR MAKING SHEET GLASS
Arthur D. Nash, Sewickley, and William Owen, Pittsburgh, Pa., assignors to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application October 31, 1936, Serial No. 108,600
6 Claims. (Cl. 49—17)

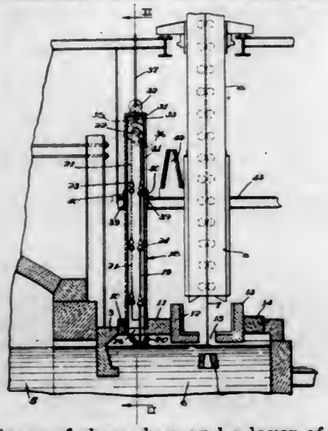


1. In combination with a glass tank adapted to carry a molten bath and means for withdrawing the surface glass therefrom continuously in the form of a sheet, a carrier for feeding a series of glass strips of a composition different from that of said bath to a delivery point adjacent the point at which said sheet is withdrawn with the strips in parallel with the line of withdrawal of the sheet, and means for operating the carrier so that the glass strips are discharged in series therefrom onto the surface of the bath.

2,137,117
PROCESS FOR MAKING SHEET GLASS
William Owen, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application October 31, 1936, Serial No. 108,651
2 Claims. (Cl. 49—83.1)

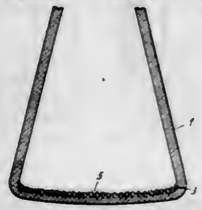
1. A method of making a glass sheet which consists in withdrawing a sheet of glass from a bath of molten clear glass in such manner that the surface layer of the bath moves forwardly relative to the body of glass therebeneath and is incorporated in the sheet, and feeding downwardly to the surface of the bath at a slow uniform speed and in a vertical position adjacent the point of formation of said sheet, a sheet of colored glass in such manner that the edge of the colored sheet is progressively melted away as it descends and forms a layer imposed on the

surface of the clear glass which is incorporated into the withdrawn sheet so that such sheet com-



prises a layer of clear glass and a layer of colored glass.

2,137,118
FLUORESCENT SCREEN
Arthur Schleede and Fritz Schroter, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application December 6, 1934, Serial No. 756,289
In Germany December 19, 1933
3 Claims. (Cl. 250—164)

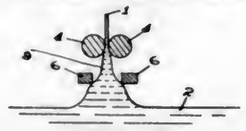


1. A tube envelope having a predetermined melting point, a sintered vitreous substratum thereon, said substratum having a higher melting point than the predetermined melting point of the tube envelope, and a layer of powdered fluorescent material on said substratum.

2,137,119
PLASTIC COMPOSITION
Earl C. Sherrard, Edward Beglinger, and John P. Hohf, Madison, Wis., and Ernest Bateman, deceased, late of Madison, Wis., by William T. Bateman, Madison, Wis., special administrator, assignors to Henry A. Wallace, Secretary of Agriculture of the United States of America
No Drawing. Application January 28, 1938, Serial No. 187,568
3 Claims. (Cl. 260—9)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

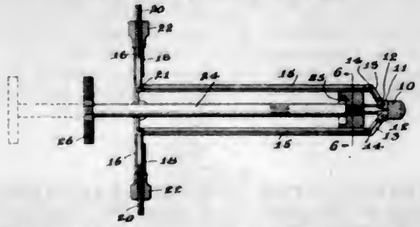
1. A method for producing a material possessing the essential properties of plastic flow under heat and pressure, which comprises treating substantially 100 parts of air-dry vegetable fibrous material with substantially 3 to 10 parts of chlorine, thence heating the mixture to the point at which the exothermic destructive distillation reaction begins, thence adding substantially 10 parts of aniline to the mixture, thence copiously washing, and thence drying to a known uniform moisture content.

2,137,120
PROCESS FOR DRAWING SHEET GLASS
James Bonar Watt, St. Helens, England, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a company of Pennsylvania
Application December 12, 1936, Serial No. 115,547
In Great Britain December 18, 1935
1 Claim. (Cl. 49—83.1)



A process of making a glass sheet which consists in drawing it vertically from a bath, thinning the edge of the sheet by dragging it without chilling through a retarding fork whose glass engaging portions are stationary and located so as to engage the edge of the tapering meniscus of the sheet, but entirely above the bath, and applying rolling traction to the sides of the sheet edge just above said fork at a level at which the edge is still plastic, so as to further thin the edge intermediate the fork and the application of the rolling traction.

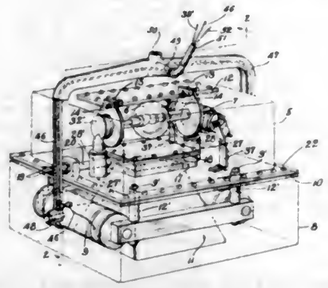
2,137,121
SURGICAL INSTRUMENT
Isidor Greenwald, Gary, Ind.; Fannie Greenwald, executrix of Isidor Greenwald, deceased, assignor to I. Greenwald Company, Inc., Gary, Ind., a corporation of Indiana
Application April 18, 1936, Serial No. 75,211
15 Claims. (Cl. 128—345)



1. A dilator including a head, dilator rods linked to said head, a ring plate surrounding the rear ends of said rods, and means carried by the ring plate and engaging the rear ends of said rods, said means being arranged to adjust the rods independently with respect to the center of said ring plate.

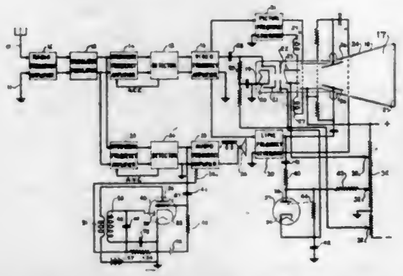
2,137,122
X-RAY APPARATUS
Edwin S. Humphreys, Aurora, Ill., assignor to Patents, Incorporated, Aurora, Ill., a corporation of Illinois
Application March 14, 1935, Serial No. 10,973
9 Claims. (Cl. 250—87)

1. An X-ray apparatus comprising, in combination, a unitary casing structure having top and bottom sections respectively providing liquid tight tube and transformer compartments with a partitioning member common to said sections and forming the bottom wall of the tube compartment and the top wall of the transformer compartment, an X-ray tube supported in the tube compartment in a position to direct its rays through the partitioning member and the transformer compartment, a transformer supported in said transformer compartment with its core positioned to define a passage for the X-rays emanating from the tube, and means operatively



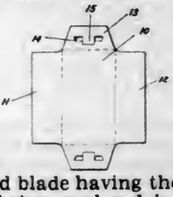
connecting the transformer with the tube to energize the tube.

2,137,123
TELEVISION SYSTEM
Harold M. Lewis, Douglaston, Long Island, and Madison Cawein, Manhasset, N. Y., assignors to Hazeltine Corporation, a corporation of Delaware
Application October 4, 1935, Serial No. 43,548
11 Claims. (Cl. 178—7.5)



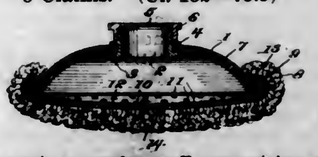
9. A television receiving system for carrier waves of a first type having modulation comprising sound frequencies and carrier waves of a second type having modulation including video-frequency and synchronizing-frequency components, comprising a common means for selecting and amplifying received waves of both of said types, an audio channel including means for detecting the amplified waves of said first type to derive therefrom audio-frequency modulation voltages, means for converting said audio-frequency voltages into sound, a video-frequency channel including means for detecting the amplified waves of said second type to derive therefrom the video-frequency modulation voltages and synchronizing-frequency modulation voltages, a screen, a source of a scanning beam for said screen, means controlled by the synchronizing-frequency components of said modulation voltages for effecting scanning of said screen by said beam, means responsive to the video-frequency components of said modulation voltages for effecting variations in the intensity of said beam to reproduce a scene, means operative in accordance with the operation of said scanning means for modifying the average intensity of said beam, and means responsive to the presence of video-frequencies in said audio channel for preventing the reproduction of sound.

2,137,124
PROTECTED BLADE
Melbourne H. Pierce, Watertown, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application May 18, 1937, Serial No. 143,341
4 Claims. (Cl. 206—46)



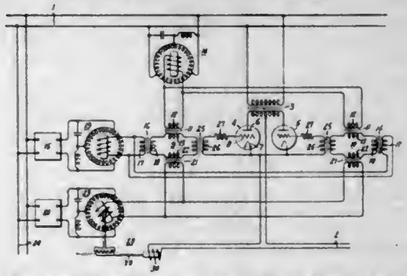
1. A protected blade having therein a flat ended aperture and being enclosed in a wrapper provided with an end portion folded over the blade on a fold line parallel to and beyond the end edge of the blade, and a tongue located within the area of said folded end portion, extending toward the fold line thereof and engaging at its root against the flat end of the aperture.

2,137,125
POWDER PUFF
George Ballon, Holland, N. Y.
Application September 7, 1937, Serial No. 162,755
8 Claims. (Cl. 132—78.5)



1. A magazine powder puff comprising a hollow compressible body having an open lower end, perforated means detachably closing the lower end and cooperating with the body to provide a powder reservoir, and powder applying means secured to the perforated means and to receive powder from the perforations.

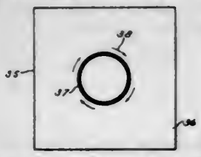
2,137,126
ELECTRIC VALVE CIRCUIT
Burnice D. Bedford, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 25, 1936, Serial No. 76,449
14 Claims. (Cl. 175—363)



1. In combination, an electric valve means including a control member, and an excitation circuit comprising a source of alternating potential, a source of potential having a component corresponding to an even multiple of the frequency of said first mentioned source and a source of a potential having a component corresponding to an odd multiple of the frequency of said first-mentioned source, said sources being connected

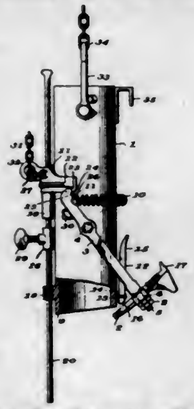
to impress on said control member a periodic potential having portions of one polarity substantially shorter in duration relative to the portions of opposite polarity.

2,137,127
ANIMATED SIGN AND METHOD OF OPERATING IT
John Gordon Best, Toronto, Ontario, Canada, assignor to General Animated Signs, Limited, Toronto, Ontario, Canada, a company of Ontario, Canada
Application December 10, 1937, Serial No. 179,196
In Canada February 12, 1937
9 Claims. (Cl. 40—130)



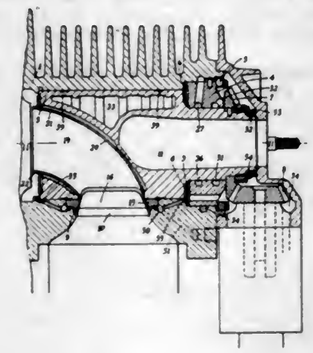
1. In an animated sign, a background of neutral color, indicia upon said background, said indicia comprising a primary part which is colored in a single animating color having a dominant hue and a secondary part which is colored in a non-animating color and means for illuminating said sign in such a manner as to produce and convey to the eyes of an observer the illusion of animation in said sign, and to render said primary part intermittently distinctly visible in contrasting relationship to said secondary part, said illuminating means effecting periodic exposures of said sign to light of substantially the same dominant hue as the animating color and said said periodic exposures being spaced by exposures of said sign to light whose dominant hue is different from that of the animating color.

2,137,128
THIEF TUBE
James F. Blake, deceased, by Anna B. Blake, Tulsa, Okla., executrix; Anna B. Blake, assignee by decree of court
Application November 4, 1936, Serial No. 109,160
3 Claims. (Cl. 137—18)



1. A device of the class described, including a tube or receptacle open at top and bottom, a pair of arms pivotally connected to the tube or receptacle at opposite sides thereof, a closure for the lower end of the tube or receptacle carried by said arms for swinging movement transversely of the bottom of tube or receptacle, means to force the closure to closed position, a latch adapted to engage one of said arms for holding the closure in open position, a pair of bearings on the tube or receptacle arranged in spaced relation in longitudinal alignment, a rod supported in said bearings to slide longitudinally and adapted to project beyond the lower end of the tube or receptacle, said rod being adapted to automatically trip the latch to release the closure when the lower end of the rod engages the bottom of a tank or the like, and a part on said rod between said pair of bearings adapted to cooperate with one of the same to limit the downward movement of the tube or receptacle relatively to the rod.

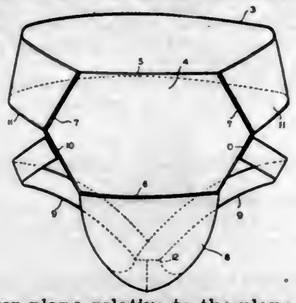
2,137,129
ROTARY VALVE FOR INTERNAL COMBUSTION ENGINES
John Brown and Edward Brown, Wednesbury, England
Application November 9, 1937, Serial No. 173,684
In Great Britain November 11, 1936
6 Claims. (Cl. 123—190)



1. A rotary valve mechanism comprising a cylinder head, a rotary cylindrical valve mounted in the cylinder head, a bearing ring or member on one side of the valve and fitted in an annular recess in the cylinder head, an annular oil duct surrounding the periphery of the bearing member, two annular ducts around the internal periphery of the bearing member, and ducts in the wall of the valve for registering with ducts leading to the respective annular ducts or the interior of the bearing member for the feed and return flow of oil to an interior chamber in the valve for cooling the valve.

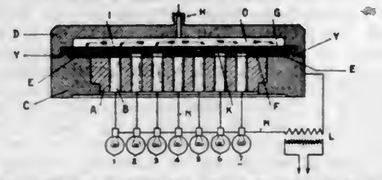
2,137,130
SUSPENSORY
John Joseph Cartledge, Guelph, Ontario, Canada
Application March 11, 1937, Serial No. 130,371
In Canada March 14, 1936
3 Claims. (Cl. 128—158)

1. A suspensory comprising a wide lengthwise elastic continuous belt of uniform width throughout, split at its front, a frontal piece arranged between the ends of and depending from the belt, said frontal piece including side edges having their upper portions inclining downwardly and outwardly for the distance of the width of said belt, means for securing the ends of the belt to said inclined upper portions of said side edges for disposing the front portions of the belt at an oblique angle with respect to the other portion of the belt to thereby maintain said frontal piece



in a lower plane relative to the plane of the said other portion of the belt, a pouch suspended from said front piece, and leg straps connecting said pouch to said frontal piece or belt.

2,137,131
SWITCHING DEVICE
Luigi Cheli, Savona, Italy
Application December 23, 1935, Serial No. 55,903
In Italy March 15, 1935
4 Claims. (Cl. 200—46)



1. A pattern switch for electric signs, including an insulating member, contacts extended through the member and exposed at the upper and lower ends, a box of conducting material in which the insulating member is positioned, angle plates secured to the box and in electrical contact therewith, said angle plates being arranged beyond the area of the insulating member, a compressible insulating strip overlying the insulating member and formed with openings in registry with the contacts in such member, said strip being positioned between the horizontal arms of the angle plates and having a thickness exceeding the thickness of such horizontal arms, a metallic stencil plate overlying and resting upon the insulating strip and positioned within and guided by the vertical arms of the angle plates, said stencil plate being formed with depending projections in line with the openings in the insulating strip, a pressure strip overlying the stencil plate, and means for creating pressure on the pressure strip to compress the insulating strip and permit the projections of the stencil plate to engage the contacts in the insulating member.

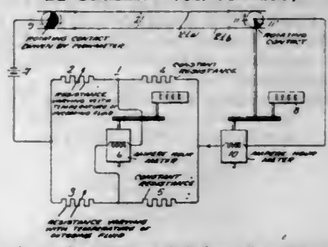
2,137,132
DUPLEX NEEDLE
Kenneth L. Cooley, Rochester, N. Y.
Application September 17, 1937, Serial No. 164,418
1 Claim. (Cl. 128—276)

A duplex needle for use in withdrawing blood from a body, said needle including an outer tube having one end bevelled to a relatively sharp point for insertion into the body, an inner tube within said outer tube and extending substantially to said bevelled end of said outer tube, said inner tube occupying less than the entire cross sectional area within the outer tube so as to leave a space for flow of liquid along said outer tube between it and the inner tube, means closing that end of said inner tube which is adjacent said bevelled end of said outer tube, means forming a lateral opening in said inner tube leading into the space between said inner tube and said outer tube at a point near said bevelled end of said outer tube, inlet connection means associated with the end of said inner tube remote from said



bevelled end, so that a blood diluting solution may be introduced into said inner tube, and outlet connection means associated with the end of said outer tube remote from said bevelled end, so that a mixture of blood and diluting solution may flow out from said outer tube through said outlet connection means.

2,137,133
APPARATUS FOR INTEGRATING VARIABLE QUANTITIES
Herbert Dallmann, Berlin-Karlshorst, Germany, assignor to General Electric Company, a corporation of New York
Application June 18, 1934, Serial No. 731,152
In Germany June 28, 1933
14 Claims. (Cl. 73—193)

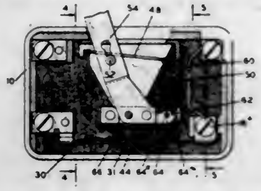


6. An impulse current telemeter comprising a pair of conductors adapted to provide alternate current paths and extending between a transmitting point and a receiving point, a return path conductor also extending between said transmitting and receiving points, a source of current connected in series with said return path conductor, an integrating meter at said receiving point also connected in series with said return path conductor, circuit-shifting means at the transmitting point for alternately connecting the conductors of said pair to the transmitter end of said return path conductor at a shifting rate proportional to the magnitude of the indication to be transmitted, and current-interrupting means connecting the receiving end of said return path conductor to one or the other of said pair of conductors and driven by said integrating meter for interrupting the circuit through whichever one of said pair of conductors is connected at the transmitter end, whenever said integrating meter has measured a predetermined quantity of current the strength of the current source and the constant of the said integrating meter and interrupting means being such as to cause circuit interruption to take place within the time required for the circuit shifting means to shift the connection from one of the pair of conductors to the other for the greatest magnitude indication to be transmitted.

2,137,134
SWITCH WITH THERMAL RELEASES
Edward E. Forstrom, Stratford, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a corporation of Connecticut
Application June 14, 1935, Serial No. 26,685
52 Claims. (Cl. 200—116)

1. In a circuit breaker, fixed and movable con-

tacts, means biasing said movable contact toward closed-circuit position, a manually operable cam adapted to be set in one position to hold said movable contact in open-circuit position and adapted to be set in another position to permit movement of said movable contact into closed-



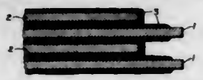
circuit position, and a cam operable automatically for moving said movable contact to open-circuit position on the occurrence of a predetermined over-load, said manually operable cam means being incapable of operation to cause said movable contact to remain in closed-circuit position during the occurrence of an overload.

2,137,135

IMPROVED DIELECTRIC MATERIAL AND METHOD FOR MAKING THE SAME

Kitsuzo Fuwa, Tokyo, and Shuyo Ito, Yokohama, Japan, assignors to General Electric Company, a corporation of New York

Application August 14, 1936, Serial No. 96,112
In Japan August 22, 1935
4 Claims. (Cl. 106—12)



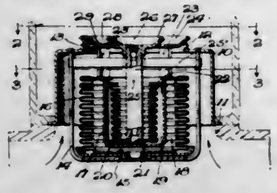
1. A dielectric material comprised of a heat treated mixture the principal part of which consists of titanium oxide and which has also small but substantial proportions of aluminium oxide, magnesium oxide, and silicic acid homogeneously admixed with said titanium oxide.

2,137,136

TEMPERATURE REGULATOR FOR INTERNAL COMBUSTION ENGINES

Jean V. Giesler, Knoxville, Tenn., assignor to The Fulton Sylphon Company, Knoxville, Tenn., a corporation of Delaware

Application March 9, 1936, Serial No. 67,955
13 Claims. (Cl. 236—34)



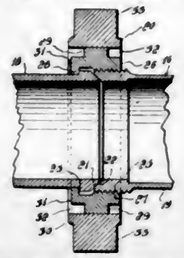
1. In a temperature regulator for the cooling system of an internal combustion engine, the combination of means providing a valve port and a thermostatically operated valve member cooperating therewith for controlling the flow of cooling medium therethrough, said valve member being provided with a valve port, and a second thermostatically operated valve member cooperating with said last named valve port and charged to open the same at a temperature below that at which the first named valve member is opened by said first named thermostat.

2,137,137

SANITARY PIPE COUPLING

Edward H. Goldacker, Jamaica, N. Y., assignor of one-fourth to Casper Cacioppo, Ridgewood, N. Y., one-fourth to Charles Cacioppo, Forest Hills, N. Y., and one-fourth to Joseph Cacioppo, West Forest Hills, N. Y.

Application October 1, 1937, Serial No. 166,874
1 Claim. (Cl. 285—128)



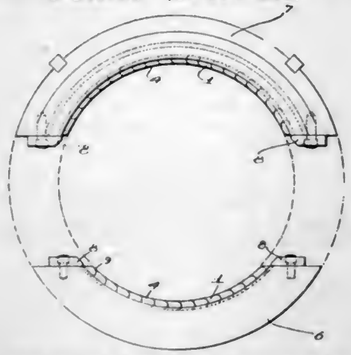
In a quick detachable sanitary pipe coupling, male and female pipe sections having abutting beveled ends, a split collar rotatable on one of the abutting ends and threadedly engaging the other and cooperatively constructed with respect to said abutting ends to effect movements of the ends towards each other upon rotation thereof after engagement with threads on one pipe end, means for holding the split collar in assembled relation on the pipe sections and interlockingly engaged with the split collar and constituting the rotating means for the split collar, said means including a clamp ring laterally slidable on the split collar and the interlocking connection including outwardly projecting lugs on the collar and recesses extending transversely of the inner wall of the clamp ring and through the opposite sides thereof for reception of the lugs, and a flange on one side of the clamp ring adapted to be moved into engagement with corresponding sides of the split collar for limiting sliding movements of the clamp on the split collar, said clamp ring being non-rotatable on the split collar.

2,137,138

SEGMENTAL BEARING

Omar K. Graef, Chicago, Ill., assignor to Continental-Diamond Fibre Company, Newark, Del., a corporation of Delaware

Application May 22, 1936, Serial No. 81,321
5 Claims. (Cl. 308—237)



1. A segmental bearing structure adapted to adjust itself to different sized shafts, said structure comprising a plurality of arcuately arranged segments extending longitudinally of the bearing, said segments being similar in shape and size and

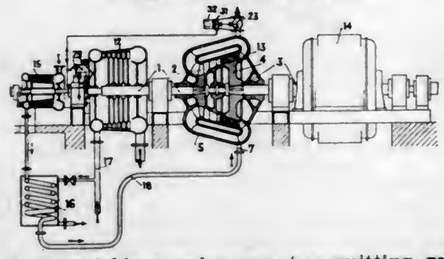
having complemental concave and convex surfaces adapted to slide upon one another, thus adapting said segments to be arranged in arcs of different radii to accommodate different sized shafts, said concave and convex surfaces extending over substantially the entire thickness of the segment whereby the inner surfaces of the segments provide a substantially continuous bearing surface.

2,137,139

VARIABLE-SPEED POWER TRANSMISSION DEVICE

Curt Keller, Zurich, Switzerland, assignor to Aktiengesellschaft fuer Technische Studien, Zurich, Switzerland, a corporation of Switzerland

Application September 21, 1936, Serial No. 101,830
In Switzerland September 27, 1935
7 Claims. (Cl. 60—62)



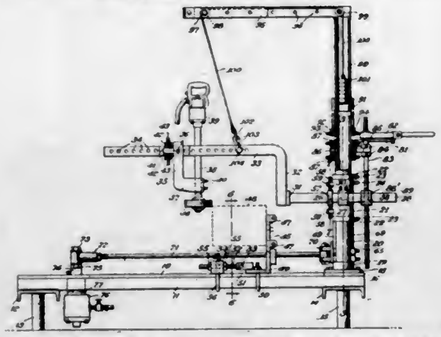
1. A variable speed power transmitting gear, comprising in combination means forming a closed circuit in which a gaseous medium at higher than atmospheric pressures may be caused to circulate; a driving unit comprising a fast running axial flow propeller wheel having blades of aerofoil profile; a driven element comprising a multistage slow moving reaction wheel, said wheels being in the path of said circulating medium; and means for varying the density and consequently the weight of the gaseous medium moving in said closed circuit in order to regulate the power transmitted, such variation being in a range above atmospheric pressure.

2,137,140

RADIAL GRINDER

John Lewis, Huntington, W. Va.

Application March 7, 1938, Serial No. 194,442
7 Claims. (Cl. 51—33)



1. A radial grinder comprising an elongated horizontal bed, a work support movably mounted on said bed and having provision for locking it in longitudinally adjusted positions, a column at one end of the bed, a support mounted rotatably on said column, a radial frame mounted on said support to rotate therewith in a horizontal plane and being pivoted in its mounting whereby to be swingable on said support in a vertical plane, said radial frame overhanging the bed longitudinally thereof, a grinding element mounted on said radial frame in cooperatively opposed relation to the work support on said bed, and means for swinging said radial frame either horizontally or vertically only or simultaneously in both directions, at will.

2,137,141

PROCESS OF MANUFACTURING MALT

Robert L. Lindsey, Terre Haute, Ind., assignor to Benjamin S. Lindsey, Terre Haute, Ind.

No Drawing. Application September 3, 1936, Serial No. 99,288
10 Claims. (Cl. 195—71)

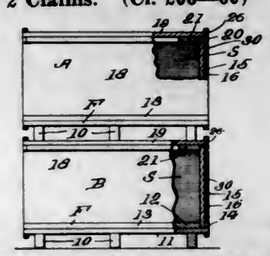
1. In the art of malting, the process which comprises the steps of steeping whole cereal grains in organic industrial waste of the class consisting of wet brewers' grains and distillery slop, and sprouting the grains therein.

2,137,142

CONTAINER FOR SHEET MATERIALS

John M. Nelson, Jr., Baltimore, and Edgar Watson, Towson, Md., assignors to The Nelson Corporation, Baltimore, Md., a corporation of Maryland

Application November 11, 1936, Serial No. 110,394
2 Claims. (Cl. 206—60)



2. A container for sheet materials, comprising a bottom member providing a floor upon which the stack of sheets may rest, vertical walls secured to said bottom member and supported against lateral movement with respect thereto, compression members engaging the stack of sheets within said vertical walls and extending above the upper edges of the said vertical walls, a cover member resting on said compression members and maintained thereby spaced above the said upper edges of the vertical walls whereby to relieve the said vertical walls from any superimposed load and to transmit the load through the stack of sheets to said bottom member, and skids depending from said bottom member and adapted to transmit a superimposed load therethrough to the cover member of another container located thereunder.

2,137,143

SULPHONATED COERULEINS AND PROCESS FOR THEIR MANUFACTURE

Eduard Peyer, Basel, Switzerland, assignor to the firm Durand & Huguenin S. A., Basel, Switzerland

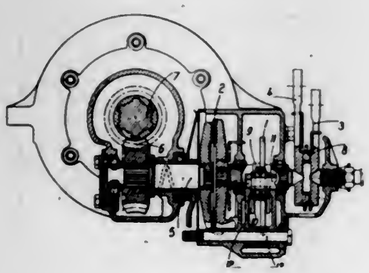
No Drawing. Application August 10, 1937, Serial No. 159,970. In Germany September 2, 1936
6 Claims. (Cl. 260—335)

1. A process for the manufacture of sulphonated coeruleins by treating a reduced gallein with an agent having dehydrating and sulphonating properties.

2,137,144
PROCESS FOR THE PRODUCTION OF METAL CARBIDES
Nicolas Sainderichin, Paris, France, assignor to Follsain Syndicate Limited, London, England
No Drawing. Application October 23, 1937, Serial No. 170,703. In Great Britain January 9, 1936
3 Claims. (Cl. 23—208)

1. The process for the production of metal carbides which consists in heating at least one metal selected from the group consisting of iron, tungsten, titanium, chromium, and molybdenum in a finely divided condition in admixture with a carburizing mixture consisting of charcoal, manganese dioxide, caustic potash and ammonium chloride.

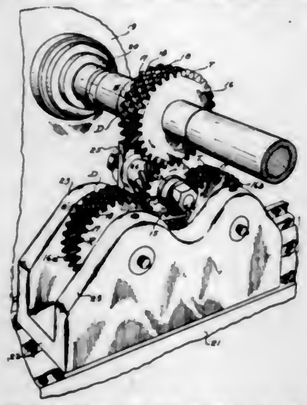
2,137,145
SERVO-BRAKE FOR MOTOR VEHICLES
Leon Salves, Billancourt, France, assignor to Louis Renault, Billancourt, France
Application August 4, 1937, Serial No. 157,431
In France February 12, 1937
2 Claims. (Cl. 188—140)



1. A servo-brake for motor vehicles, comprising a cam which is rotatable on an axis, a coupling device between a driving element and the cam, a device for throwing on the said coupling device when acting upon the brake pedal, a connecting rod moved longitudinally and actuating the brakes at one of its ends, a roller mounted at the other end of said connecting rod at the end of a guiding pivoted lever and in contact with said cam, in such a manner that, by turning the same during the braking, said cam will drive said roller in the direction corresponding to the traction upon said connecting rod, whereby the pivoted lever ensures only the guiding of said roller in this direction without transmitting the braking force.

2,137,146
METHOD OF FINISHING GEARS
Oliver G. Simmons, Lakewood, Ohio
Application March 7, 1935, Serial No. 9,824
17 Claims. (Cl. 90—2)

1. The method of simultaneously shaving and burnishing gears which comprises positioning a work gear in intermeshing relation with a plurality of cutters of gear form corresponding to the work gear and each having a multiplicity of circumferential grooves extending completely around it and through the teeth thereof and having a lead from front to rear thereof and forming a multiplicity of cutting edges and burnishing surfaces, and then rapidly rotating said intermeshed gear and cutters while simultaneously applying pressure to the gear and cutters in a radial direction to simultaneously shave and

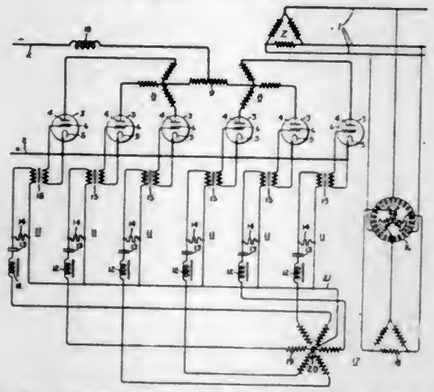


burnish the working face surfaces of the teeth of the gear.

2,137,147
RUST OR CORROSION PREVENTING MATERIAL OR LUBRICANT
Eric Rofe Styles, Minoco Wharf, West Silvertown, London, England, assignor to Silvertown Lubricants Limited, London, England
No Drawing. Application February 23, 1937, Serial No. 127,316. In Great Britain February 4, 1936
10 Claims. (Cl. 87—9)

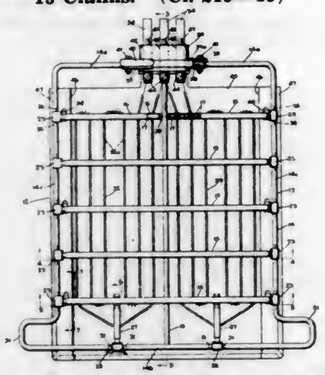
1. A material having lubricating and corrosion-resisting qualities and suitable for use in contact with rubber, consisting of castor oil and a metal soap, other than an alkali metal soap, and a basic substance capable of neutralizing the free fatty acids present in the oil.

2,137,148
ELECTRIC VALVE CIRCUITS
Chauncey G. Suits, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 2, 1936, Serial No. 57,203
11 Claims. (Cl. 175—363)



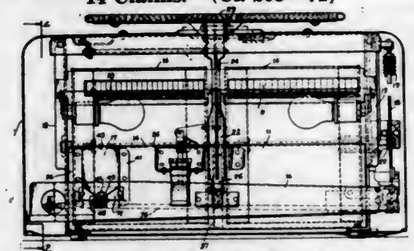
1. In combination, a supply circuit, a load circuit, electric valves for transmitting energy between said circuits, and means comprising a source of alternating current, a phase shifting device and individual non-linear resonant circuits associated with each of said valves for rendering said valves conductive in a predetermined sequence, each of said non-linear resonant circuits having a critical resonance voltage lying within the normal range of voltages applied to said resonant circuits.

2,137,149
ELECTRIC HEATING UNIT
Will R. Tuttle, Riverside, Ill., assignor to Edison General Electric Appliance Company, Chicago, Ill., a corporation of New York
Application January 16, 1937, Serial No. 120,945
13 Claims. (Cl. 219—19)



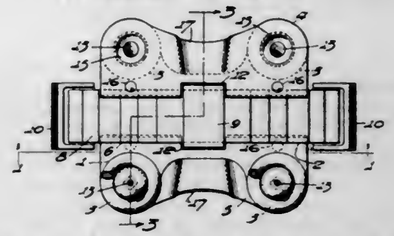
1. An electric heating unit comprising a frame having outer oppositely positioned supporting portions, resistance conductor supporting members between said portions having channel sections at the ends, clips embracing said supporting portions, and said channel sections being crimped over the legs of said clips so as to secure said clips to said supporting portions.

2,137,150
SCALE
Edward J. Von Pein, Endicott, N. Y., assignor to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio
Original application December 30, 1933, Serial No. 704,782. Divided and this application August 14, 1936, Serial No. 95,957. In Canada November 15, 1934
14 Claims. (Cl. 265—71)



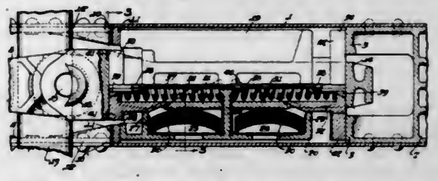
1. In a scale having a load platform, a base lever operated by the platform and having spaced, longitudinal branches, each provided with a pivot element, fulcrum supports carrying spaced bearings one for rockably engaging each pivot element at one side thereof to rockably mount the lever, round elements mounted for rotation and for bodily movement with respect to the fulcrum supports, and means yieldably urging the round elements toward the pivot elements for engaging the pivot elements at the sides thereof opposite the sides engaged by said bearings to prevent either element leaving its bearing and to thereby prevent sidewise tilting of the lever when the load is placed at one side of the platform said round elements being rotatably actuable by the pivot elements upon rocking of the latter during the weighing operation.

2,137,151
RAILWAY VEHICLE SPRING
Donald S. Barrows, Rochester, N. Y., assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland
Application August 12, 1932, Serial No. 628,609
12 Claims. (Cl. 267—3)



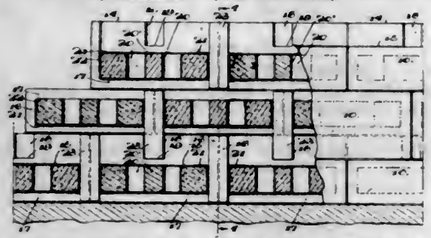
1. A spring nest, adapted for handling as a self-contained unit for insertion in the bolster opening of a railway vehicle side frame for the support of a bolster, comprising upper and lower spring plates formed to respectively interlock with an associated bolster and frame, and with both helical and elliptic springs therebetween, said plates, for that purpose, having portions extending toward one another around the bands of said elliptic spring for holding it in place.

2,137,152
DRAFT RIGGING
Emil H. Blattner, Rochester, N. Y., assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland
Application August 21, 1934, Serial No. 740,835
17 Claims. (Cl. 213—37)



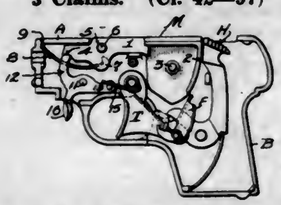
1. Railway draft rigging comprising spaced center sills, stop members connected thereto, said stop members being spaced apart so as to provide an American Association of Railways standard vertical yoke draft gear pocket, housing means positioned within said pocket, normally engaging the front stop members, and having web portions adjacent said front end but spaced rearwardly therefrom, the rear of said housing means being spaced from said rear stop members, cushioning means located within said housing means at the opposite ends thereof, said means operating independently of each other, and follower-acting means cooperating with each cushioning means, the said follower-acting means located at the forward end of said housing means normally extending forwardly of the vertical faces of said front stop members, having portions adapted to abut said web portions to limit compression of the front cushioning means, and adapted to be actuated by a coupler upon inward movement thereof.

2,137,153
VENTILATED BLOCK AND WALL CONSTRUCTION
Stanley Brozek, Dearborn, Mich.
Application February 2, 1938, Serial No. 188,375
7 Claims. (Cl. 72—102)



1. A building block having a main recess at one longitudinal corner for providing a vertical longitudinal extension, said block being provided at its ends with locking recesses extending through the top and bottom thereof, said block being provided upon one horizontal face with a longitudinal vent recess, said block being provided in its vertical extension with an intermediate locking recess and said block having a vertical vent passage in communication with the longitudinal vent passage, the vertical vent passage extending longitudinally of the block beyond the end of the intermediate locking recess for a substantial distance, the locking recesses being adapted to receive vertical keys.

2,137,154
TOY PISTOL
Jacob E. Brubaker, Lancaster, Pa., assignor to The Hubley Manufacturing Company, Lancaster, Pa., a corporation of Pennsylvania
Application October 11, 1937, Serial No. 168,491
3 Claims. (Cl. 42—57)

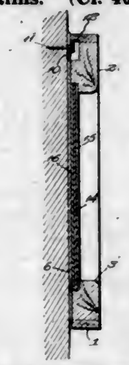


1. A toy pistol including, in combination, a hammer, a trigger for actuating the same, a pivotally mounted magazine spring biased to open position and a spring tensioned trigger-like detent pivoted beneath the front end of the magazine and having an external finger engaging portion disposed substantially in line with and forward of the trigger for actuating the hammer.

2,137,155
PRODUCTION OF FIBROUS MATERIAL COMPOUNDS
Hermann Burmeister, Berlin-Spandau, Germany, assignor to General Electric Company, a corporation of New York
No Drawing. Application November 10, 1936, Serial No. 110,181. In Germany November 15, 1935
2 Claims. (Cl. 92—21)

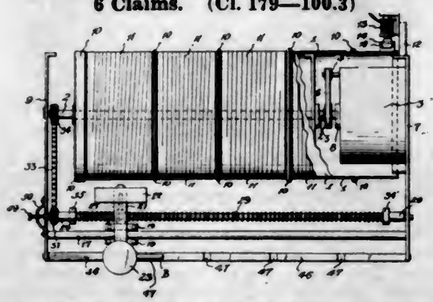
1. The method of making an impregnated and coated fibrous material which consists in forming an intimate and uniform association of moist fibrous material and a binder consisting of finely-divided, solid, heat-curable synthetic resin having a melting point of at least 50° C. and an initial hardening point at least 70° C. above its melting point, subjecting the resulting composition to a heat treatment sufficient to remove practically all the moisture therefrom but insufficient to melt said resin, subjecting the practically moisture-free composition to a heat treatment sufficient to melt said resin but insufficient to convert it to a hard infusible state, and then hardening the melted resin in place under heat and pressure.

2,137,156
PICTURE FRAME
Claude D. Clark, De Land, Fla.
Application May 19, 1937, Serial No. 143,588
6 Claims. (Cl. 40—158)



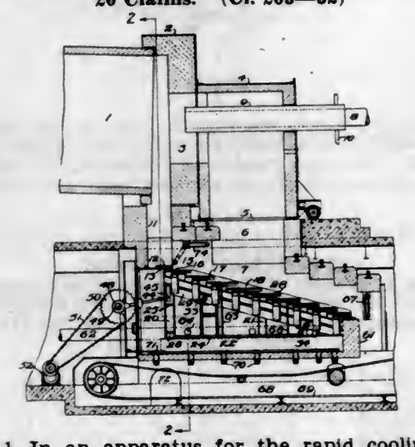
1. A picture frame comprising a ring like frame body cut from a single piece of wood across the grain thereof, and having a recess in its rear face about the inner edge of its opening, glass and filler means for a picture and mounted in the recess, a flat ring like outer frame member secured to and about the rear face of the body for reinforcing the latter, a disk cover of a diameter to frictionally fit within said frame member and detachable therefrom, and means cooperating with the disk cover for securing the glass, picture and filler means in place.

2,137,157
APPARATUS FOR REPRODUCING SOUND
Fernando Crudo and Kaj Andersen Svanholm, Buenos Aires, Argentina, assignors to Compania Fundadora Fotoliptofono, Sociedad Anonima, Buenos Aires, Argentina
Application August 30, 1935, Serial No. 38,624
In Argentina March 23, 1935
6 Claims. (Cl. 179—100.3)



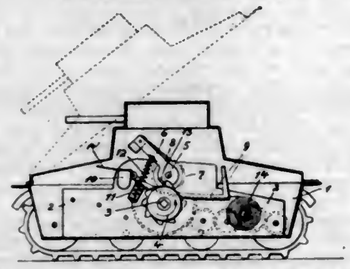
1. Apparatus for the photoelectric reproduction of sound including a rotary phonogram carrier, with sound track arranged in helicoidal form, an electric motor for driving said carrier, a carriage movable longitudinally of said carrier, an electrical pick-up movable with said carriage, a source of light on said carriage, focussing means for said light source, a supply circuit for said light source, circuit controlling means in said circuit, and means coacting with said controlling means at predetermined points in the travel of said carriage to open said circuit.

2,137,158
CLINKER COOLING
Alfred E. Douglass, Catasauqua, Pa., assignor to Fuller Company, Catasauqua, Pa., a corporation of Delaware
Application December 1, 1937, Serial No. 177,634
20 Claims. (Cl. 263—32)



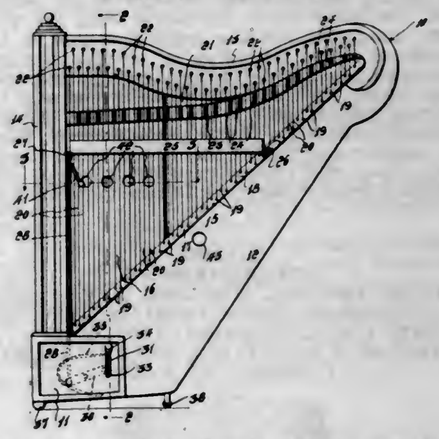
1. In an apparatus for the rapid cooling of cement clinker, the combination of a cooling chamber having an entrance for hot clinker at one end and a discharge port at the other, cooling elements in the chamber comprising a series of spaced over-lapping grates, fixed grates alternating with movable grates, the upper surfaces of the grates serving to support a bed of clinker particles, means to impart reciprocating movement to the movable grates, to agitate and advance the bed, and means to admit air under pressure to the chamber below the grates to provide air blasts flowing between the grates and into the clinker in the general direction of the movement of the bed.

2,137,159
TOY VEHICLE
Heinrich Fischer, Nuremberg, Germany, assignor to Ernst Horn, Nuremberg, Germany
Application April 2, 1937, Serial No. 134,643
In Germany January 19, 1937
3 Claims. (Cl. 46—195)



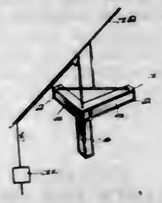
1. A toy-vehicle comprising a spring-driven clockwork to impart travelling motion to said vehicle, a detonation-device, mechanism for periodically actuating said detonation-device by said clockwork, said detonation device comprising a hammer, an anvil and a pivoted guide rail for the reception of a strip having primers thereon, a pair of feeding wheels adapted to periodically feed said strip along said guide rail to said anvil, and a spring tending to press said guide rail against said feeding wheels with said strip interposed therebetween.

2,137,160
CHROMATIC HARP
Walter Vantwiller A. Franklin, New York, N. Y.
Application December 2, 1937, Serial No. 177,813
6 Claims. (Cl. 84—264)



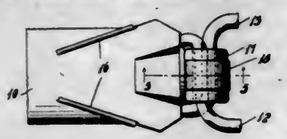
4. A harp provided with a pedestal, pillar, back and neck, said pillar, back and neck forming an opening, strings stretched vertically across said opening and secured to the back and neck, and a sounding box disposed between said back and neck, and on one side of certain of said strings, with one of its sides in engagement with said pillar, said sounding box being provided with a hollow resonant chamber and having a plurality of openings opening outwardly thereof.

2,137,161
TRAFFIC SIGNAL
Aubrey B. Grantham, Douglaston, N. Y.
Application June 12, 1936, Serial No. 84,930
2 Claims. (Cl. 177—337)



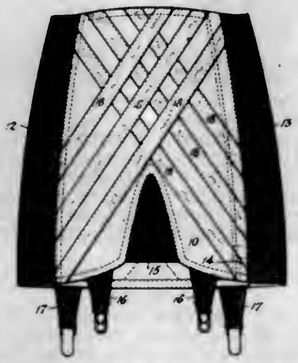
1. A traffic signal comprising a structure having a plurality of elongated signal arms rigidly connected together at one end and extending respectively approximately in horizontal directions therefrom, with a separate signal arm extending substantially in a vertical direction from said connected ends, each of said signal arms having an upright signal face for presenting different light signals respectively when illuminated alternately.

2,137,162
ELECTRIC CONTACT PLUG
Charles L. Hile, Louisville, Ky.
Application June 3, 1937, Serial No. 146,280
2 Claims. (Cl. 173—322)



1. In an electric contact plug of the character described, a plug body formed of mating sections, each section having a semi-circular groove mating with the groove of the other section to form an annular groove when the sections are assembled, conductor wires extending from the plug body, means for relieving pulling strains on the conductor wires including a tubular member extending transversely of the end of the plug body from which the conductor wires extend and externally thereof and a carrier for the tubular member including a strap surrounding the tubular member and having its ends directed toward each other and reversely curved to form ribs, said ribs being located in the annular groove.

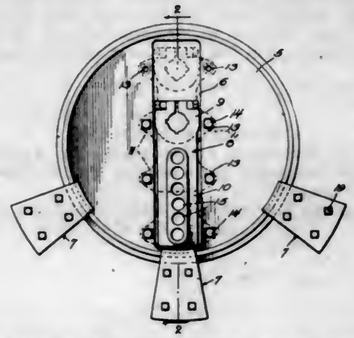
2,137,163
UNDERGARMENT
Matthias Imershein, New York, N. Y., assignor to Graceform-Camlin Corset Co., Inc., New York, N. Y., a corporation of New York
Application April 28, 1937, Serial No. 139,403
6 Claims. (Cl. 2—36)



1. A garment, including a tight fitting front portion, said portion having two series of parallel inelastic ribbons, tapes, or the like secured along their lengths to said portion, and extending substantially from one side to the other side of said portion, one series crossing the other diagonally in the region overlying the abdomen of the wearer.

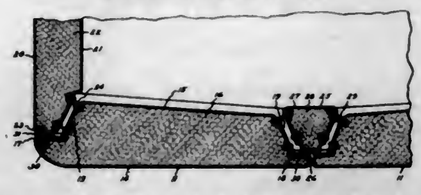
2,137,164
COUNTERBALANCE FOR CRANKSHAFTS
Roy A. Johnson, Tulsa, Okla., assignor to International Supply Company, Tulsa, Okla., a corporation of Delaware
Application December 18, 1937, Serial No. 180,647
2 Claims. (Cl. 74—591)

1. In a device of the character described, a circular crank disc having a diametrical substantially rectangular slot extending across the same from one point of its peripheral portion to a diametrically opposite point thereof, a crank arm having a substantially rectangular body portion positioned in said slot and adjustable lengthwise thereof, said crank arm being provided with a series of apertures arranged lengthwise thereof,



means detachably securing the arm to said disc, and weights detachably secured to the periphery of said discs and capable of adjustment to various positions about the peripheries of said discs.

2,137,165
REFRIGERATOR CABINET
James L. Knight, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application April 9, 1938, Serial No. 201,146
7 Claims. (Cl. 20—35)

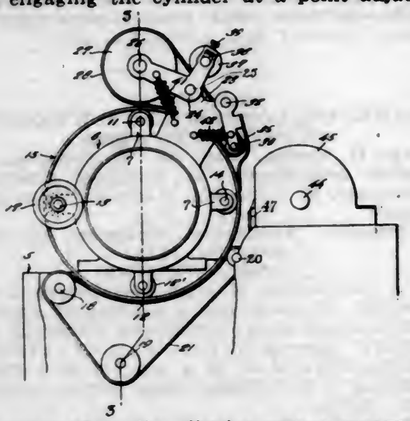


1. A cabinet having a door opening, a plurality of doors swingably supported on said cabinet and adapted to close said opening, said doors increasing in cross section from the free edges of said doors to the supported edges of said doors whereby the air cushioning effect is minimized and the front of said door is substantially flat when said door is closed.

2,137,166
FUR CLIPPING MACHINE
Freeman Knowles, Northville, N. Y., assignor of one-half to Walker La Rowe, Northville, N. Y.
Application October 5, 1936, Serial No. 104,102
1 Claim. (Cl. 149—26)

A machine for clipping the fur or hair or skins comprising a cylinder having perforations therein, means for rotating the cylinder, a suction chamber in the cylinder having an opening therein covered by a limited area of the inner circumferential part of the cylinder, means for creating a suction in the chamber, clipping means arranged adjacent that part of the cylinder which is passing over the opening, a supporting frame for the cylinder and clipping means, a pair of pivoted arms carried by the frame, a roller carried by said arms, a second pair of arms pivoted in the frame, a roller carried thereby, a belt carried by the rollers and having a portion contacting the cylinder in advance of the clipping means, spring means for holding the arms with the belt in engagement with the cylinder and

spring fingers carried by the second pair of arms and engaging the cylinder at a point adjacent



the point where the clipping means engage the fur or hair of the skins.

2,137,167
METHOD OF CONTROLLING RECOVERY FROM OIL SANDS
William E. Lang, Lexington, Ky.
Application December 15, 1936, Serial No. 115,997
12 Claims. (Cl. 166—21)



1. A method of controlling the recovery of oil from an oil sand having a plurality of associated productive stratums of different permeabilities exposed in the same horizon in a recovery well, comprising selectively restricting the flow of oil into the well from the various stratums commensurately with their respective permeabilities to minimize lack of uniformity in the oil depletion thereof during the progress of oil recovery.

2,137,168
PRODUCTION OF SELF-SUSTAINING TRANSPARENT FILMS
Harold Alvin Levey, New Orleans, La.
No Drawing. Application May 20, 1936, Serial No. 80,919
19 Claims. (Cl. 91—68)

1. A new article of manufacture consisting of a transparent flexible self-sustaining inherently adhesive starch base film, adapted as a protective covering for a book and the like, one face of said film having adhesive properties, said face being capable of being moistened, and the other face of which carries a waterproofing film.

2,137,169
MEDICINAL DRESSING MATERIAL
Harold Alvin Levey, New Orleans, La.
No Drawing. Application June 10, 1936, Serial No. 84,563
11 Claims. (Cl. 167—84)

1. A composite medicinal bandage comprising a thin flexible starch film, one face of which carries a waterproofing coating, and the other face has affixed thereto a flexible adhesive alkali cooked starch film carrying a medicinal agent adapted to act upon a predetermined area of the body to effect the desired physiological action.

2,137,170
DECORATIVE SPANGLE
Harold Alvin Levey, New Orleans, La.
No Drawing. Application June 26, 1936, Serial No. 87,590
11 Claims. (Cl. 127—29)

1. Decorative spangles comprising hard shiny flakes of a starch base having self-sustaining film-forming properties.

7. The process of producing decorative spangles comprising heating a mixture of water, granules of starch and a hardness-increasing agent to a temperature sufficient to cause the granules to swell, burst and form a gelatinous mass, continuing the heating until the latter clarifies, casting said mass, drying to a hard brittle water-white clear mass, and forming spangles therefrom.

2,137,171
COMPOSITE CARBOHYDRATE FILMS
Harold A. Levey, New Orleans, La.
No Drawing. Application September 25, 1936, Serial No. 102,600
16 Claims. (Cl. 18—57)

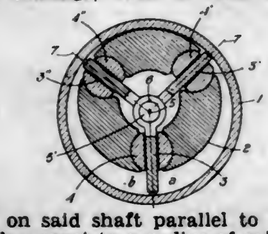
1. A transparent non-hygroscopic self-sustaining thin sheet consisting substantially of naturally occurring water-soluble chemically unchanged vegetable carbohydrate gum, said sheet being characterized by the property of being inherently sufficiently flexible to be used for the wrapping of articles, while being devoid of extraneously added plasticizer, said flexibility being independent of humidity changes.

7. The process of producing a transparent sheeting comprising digesting a material containing water soluble hexosan gums with water free from substances capable of reacting with the hexosan gums in the ratio of about 40 to 60 parts of water to one of solid material, to form a colloidal mass therefrom, agitating the mass to increase the plasticity and convert the mass into a flowable plastic, casting the plastic in sheet form upon a casting surface, allowing the sheet to solidify, and thereafter removing the self-sustaining sheet from the casting surface.

2,137,172
ROTARY ENGINE
Raoul Mabille, Brussels, Belgium
Application December 21, 1936, Serial No. 117,075
In Belgium January 3, 1936
6 Claims. (Cl. 103—144)

1. In a rotary engine, the combination of a cylindrical stator, a shaft in said stator coaxial therewith, a rotor arranged eccentrically in said

stator, cylindrical bearings arranged to oscillate in said rotor, blades in said rotor slidably engaging said bearings, each of said blades being



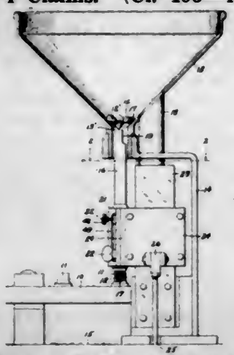
mounted on said shaft parallel to but laterally offset with respect to a radius of said cylindrical stator.

2,137,173

BASE FEEDER

John J. Malloy, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York

Application July 28, 1937, Serial No. 156,149
4 Claims. (Cl. 193—43)



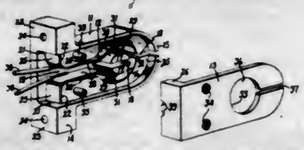
1. In a device of the class described for feeding bases comprising a cylindrical shell having one end substantially closed, a feeder tube for passage of said bases therethrough having a chamber in the wall thereof, and means located adjacent to said chamber for inverting such bases as approach said chamber with their open ends foremost, said means comprising a finger having a hook portion extending into said tube and adapted to engage the open end of a base, and means for withdrawing said finger into said chamber to cause said base to be inverted.

2,137,174

TUBULAR LAMP BASE AND SOCKET

Anthony J. Marshaus, East Cleveland, Ohio, assignor to General Electric Company, a corporation of New York

Application March 25, 1938, Serial No. 198,056
10 Claims. (Cl. 176—126)



1. A socket for electric lamps and similar devices comprising a member of insulating material, said member being provided in a face thereof with diametrically opposite arcuate slots and also with a slot extending diametrically of and intersecting both of said arcuate slots, said diametrical slot extending to an edge of said face, and spring contact members mounted in said member adjacent said arcuate slots and on opposite sides of said diametrical slot.

2,137,175

MINERAL OIL COMPOSITION AND PROCESS OF PRODUCING SAME

George D. Martin, Nitro, W. Va., assignor, by mesne assignments, to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application September 12, 1935, Serial No. 40,343
7 Claims. (Cl. 44—9)

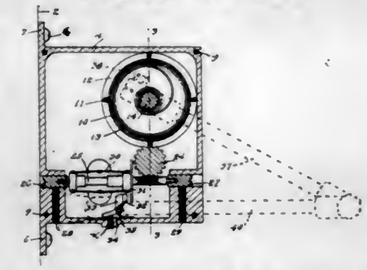
1. A composition of matter comprising a hydrocarbon oil containing a substantial quantity of unsaturates and a compound possessing the structural formula of OH—R—N=R' where R is phenylene and R' is a member of a group consisting in a cyclohexylidene and an anthronidene radical.

2,137,176

DOOR CHECK

Frederick Albert Masson, Winnipeg, Manitoba, Canada

Application May 6, 1938, Serial No. 206,449
4 Claims. (Cl. 16—49)



1. A door check comprising a spring actuated spindle rotatably mounted in the frame of said door check, said spindle adapted to tension said spring in its rotation, a mechanical governor rotatably mounted in said frame and operated by said spring through a ratchet and dog, means for disconnecting said governor from said spring during the tensioning of same, means for releasing said dog from said ratchet for a pre-determined number of teeth during the de-tensioning of said spring and then connecting said dog to said ratchet to drive said governor for the remaining de-tensioning of said spring.

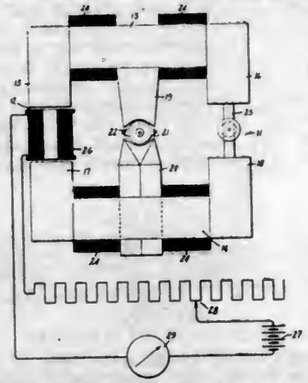
2,137,177

MAGNETIC TESTER

Paul Melchior, Berlin-Halensee, Germany, assignor to General Electric Company, a corporation of New York

Application November 20, 1936, Serial No. 111,909
In Germany November 21, 1935
4 Claims. (Cl. 175—183)

1. A device for testing specimens of magnetic material comprising in combination, a symmetrical magnetic core in the form of a loop with similar air gaps on either side thereof, one of said air gaps being adapted to receive a specimen to be tested, an auxiliary current conducting winding in the other of said air gaps having its magnetic axis parallel with lines crossing said air gap, an exciting winding symmetrically arranged on said core, means for passing an adjustable current through said auxiliary winding, and means responsive to the magnitude of said



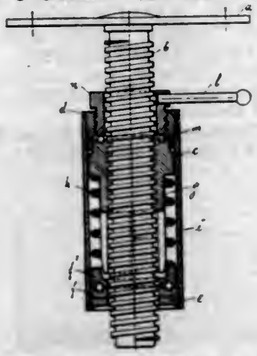
current, said core having a bridge member across the center thereof with an air gap therein and a flux detector in said latter air gap.

2,137,178

AUTOMATIC SCREW ARRANGEMENT FOR REVOLVING CHAIRS AND THE LIKE

Juho Merivaara, Helsingfors, Finland

Application November 18, 1936, Serial No. 111,544
In Finland August 26, 1935
8 Claims. (Cl. 155—93)



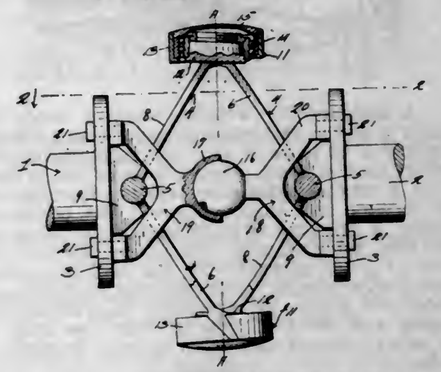
8. A height-adjusting device for a rotatable chair having a seat and a base, which device is operable when the seat is unloaded, and is inoperable when the seat is loaded; comprising a tube fast to said base, a screw spindle fast to said seat and extending through said tube, a thrust bearing fast in said tube near the bottom thereof, a ring placed on the top surface of said thrust bearing, said ring loosely encircling said spindle and being conically tapered inwardly and upwardly, and having at least one incision disposed transversely in the wall thereof, to impart outward resiliency thereto, a nut threaded on said spindle and disposed in said tube between said top end piece and said thrust bearing, the top end of said nut being tapered inwardly, and the cooperating face of the top end piece having a complementary conical recess into which the conical end of said nut is adapted to fit snugly, the bottom end of said nut being recessed with an outwardly flaring taper complementary to that of said ring, and a spring within said tube and bearing against said nut in such manner as to tend to lift the latter into firm engagement with the top end piece, as a result of the coaction between the complementary tapered portions thereof, to lock the nut against the base, so that when the unloaded seat is revolved, the spindle attached thereto rotates in said immobilized nut, while when the seat is loaded, the nut is forced down, along with said spindle, away from the top end piece, into firm contact, by virtue of the coaction between the complementary tapered ring and recess of the nut, this coaction being enhanced by the incision in the ring, with the thrust bearing, in which the nut rotates idly, along with the spindle.

2,137,179

SPRING TOGGLE UNIVERSAL JOINT

Frank E. Nelson, Belmont, Mass.

Application July 9, 1938, Serial No. 218,447
8 Claims. (Cl. 64—21)



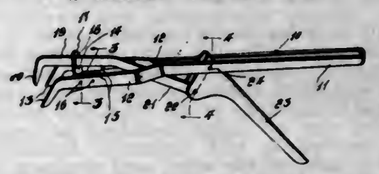
1. A universal joint coupling for a pair of adjacent rotatable bodies, comprising a pair of elongated members bent transversely midway of their ends, means pivotally coupling each of said members with a body for oscillation on an axis perpendicular to and passing through the axis of rotation of the body, the oscillation axis for each member extending along the line of bend of the member, said members having their ends in opposed relation, and pivotal coupling means between the opposed ends of the members whereby the members may oscillate relatively on an axis perpendicular to the first-mentioned axis of oscillation and passing through the rotary centers of the bodies.

2,137,180

PAN LIFTER

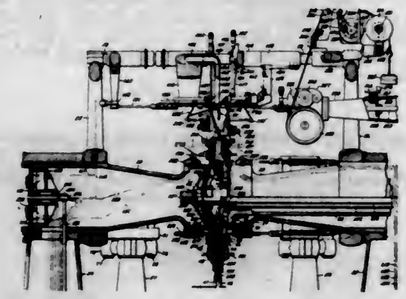
Attilio V. Porro, Calexico, Calif.

Application November 4, 1937, Serial No. 172,787
2 Claims. (Cl. 294—34)



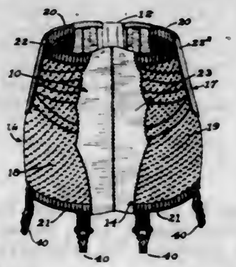
1. A device of the class described comprising a rigid section of U-shape having a handle at one end and having spaced jaws at its free ends, a guide bracket secured to the element adjacent the ends relatively close to said jaws, an arm slidably mounted through said guide bracket having a depending jaw coacting with the first mentioned jaws, and a lever pivoted to said handle and to said arm movable upwardly at its free end relatively to the said handle.

2,137,181
WELDING MACHINE
Cleveland H. Quackenbush, Glendale, Calif., assignor to General Electric Company, a corporation of New York
Application February 14, 1935, Serial No. 6,509
16 Claims. (Cl. 219—4)



1. A machine for welding pairs of wires together in end to end relation comprising a turret, a plurality of pairs of jaws mounted at the periphery thereof, each adapted to hold one of said wires, a ring adjustable by rotation mounted on one face of said turret adjacent the periphery thereof, a plurality of pairs of jaws mounted on said ring, each adapted to hold the other of the wires of a pair spaced from the said first-mentioned wire, means for connecting each of said wires to a source of electricity and means for moving said pairs of jaws to cause the ends of the wires to meet and so to become welded together.

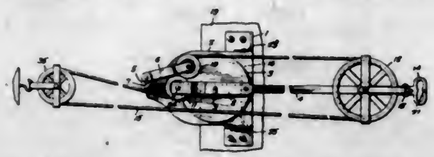
2,137,182
FOUNDATION GARMENT OR THE LIKE
Philip H. Robbins, New York, N. Y., assignor to Poirette Corsets, Inc., New York, N. Y.
Application March 29, 1938, Serial No. 198,775
11 Claims. (Cl. 2—37)



1. In a garment for women's wear a body structure of girdle-like form including a pair of oppositely disposed elastic webs, non-elastic front and back parts connecting the ends of one web to the ends of the other and oppositely disposed sets of elastic members of tape-like form secured to and extending circumferentially of each of the webs, said members being disposed between and connected to said front and back pieces.

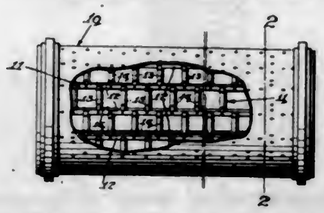
2,137,183
CLOTHESLINE SUPPORTING APPARATUS
Reuel Reynaud Robertson, Easton, Pa.
Application May 19, 1937, Serial No. 143,458
3 Claims. (Cl. 211—119.05)

1. A clothes line supporting apparatus comprising an elongated angular bracket adapted to be rigidly secured to a window frame, a base plate hinged on one end of said bracket, means to adjustably maintain said plate at any required lateral angle relative to said bracket, said base plate provided at one end with an inwardly extending slot, a metal plate rotatably mounted on said base plate, a bar slidably mounted on said rotatably mounted metal plate, a sheave adjacent the outer end of said bar, an arm and strut connecting said sheave to said bar, a U-shaped pin having a long and a short prong pivotally



attaching said strut to the outer end of said bar by means of its shorter prong and forming with its longer prong means to lock said bar in its horizontal position when the latter is extended to its maximum extent into a room by the insertion of said longer prong into said inwardly extending slot formed in said base plate, a pulley and handle mounted on the rearward end of said bar, a sheave and hook carried by said rotatably mounted metal plate, a pulley remotely supported and an endless clothes line carried by said sheave, pulleys and hook.

2,137,184
METHOD OF LINING KILNS AND LINING PRODUCED THEREBY
Gilbert E. Seil, Cynwyd, Pa., assignor to E. J. Lavino and Company, Philadelphia, Pa., a corporation of Delaware
Application February 28, 1938, Serial No. 193,204
14 Claims. (Cl. 263—33)

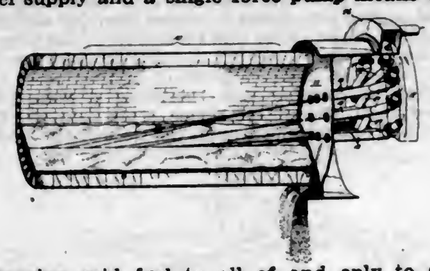


1. In a kiln, a kiln wall, a plurality of plates substantially perpendicularly related to the wall and having their outer ends secured to the wall, said plates defining a wall-covering series of pockets, and plastic refractory lining material filling said pockets and having its outer face flush with the outer edges of said plates, said plates consisting of material burned away at operating kiln temperatures whereby after a short period of operation an interiorly smooth surface of plastic material is provided.

2,137,185
MULTIPLE BURNER ARRANGEMENT
Gilbert E. Seil, Cynwyd, Pa., assignor to E. J. Lavino and Company, Philadelphia, Pa., a corporation of Delaware
Application February 28, 1938, Serial No. 193,205
24 Claims. (Cl. 263—33)

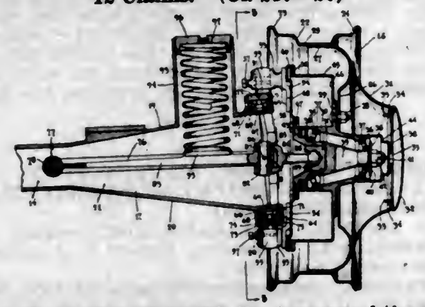
1. The combination with a heat-treating chamber of means for supplying a definite B. t. u. input per unit of time thereto comprising a plurality of

liquid fuel burners discharging thereto, a liquid fuel supply and a single force pump means dis-



charging said fuel to all of and only to said burners.

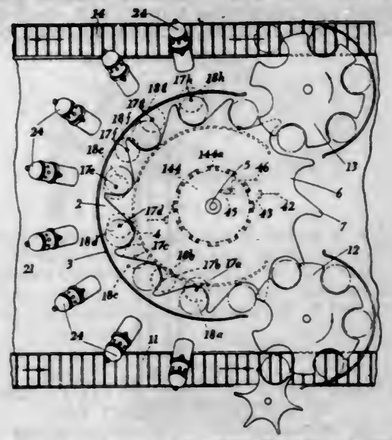
2,137,186
VEHICLE CONSTRUCTION
Sterling O. Stageberg, Red Wing, Minn., assignor to Sterling Engineers, Inc., Red Wing, Minn., a corporation of Minnesota
Application February 19, 1934, Serial No. 711,874
12 Claims. (Cl. 267—20)



1. In combination with the frame and the support for the wheel of a vehicle, said frame including a tubular frame member extending transversely of the vehicle, an arm disposed wholly within said tubular frame member, means carried by said frame member forming a horizontal pivot for said arm, and restraining said arm from swinging about a vertical axis, a vertically disposed coil spring acting between said arm and frame member and urging said arm downwardly, said arm engaging said wheel support, and means connected to said wheel support and to said frame member and supporting said wheel for up and down movement relative to the frame.

2,137,187
APPARATUS FOR DETECTING THE PRESENCE OF FOREIGN BODIES IN OR ON TRANSPARENT VESSELS
Norman Parker Stoate, London, England
Application September 14, 1934, Serial No. 744,089
In Great Britain September 25, 1933
5 Claims. (Cl. 88—14)

1. Apparatus for detecting the presence of foreign bodies on the bottom of a transparent vessel comprising in combination means for producing a beam of light, a track having a plurality of apertures therein, said apertures being so spaced laterally along the width of the track that upon movement of the vessel from the first to the last aperture the whole surface to be examined will have been scanned, means for directing the beam of light through the bottom of the vessel on to the apertures, a light-sensitive device disposed beneath each aperture, means for moving the vessel along the track, and means operable by the light-sensitive device to give a signal or indication when the light falling on the



light-sensitive device is reduced below a predetermined value.

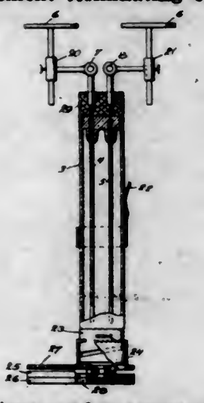
2,137,188
PIEZOELECTRIC CRYSTAL MIRROR SYSTEM FOR SOUND RECORDING
Stewart C. Whitman, New York, N. Y.
Application November 20, 1937, Serial No. 175,735
12 Claims. (Cl. 179—100.3)

1. In a system for recording sound on film, a source of light, a piezoelectric crystal element, electrodes for said crystal element, a mirror element carried by said crystal element in spaced relation thereto, said crystal element being adapted to rotatably displace said mirror element under the application of electrical voltage to said electrodes, optical means interposed between said light source and said mirror element for delivering two substantially parallel beams of light incident on said mirror element, a light-sensitive film having a sound track, optical means for delivering on to said sound track said beams reflected from said mirror element, and a source of electrical energy of sound frequency connected to said electrodes.

2,137,189
ELECTRICAL DISCHARGE TUBE HAIR WAVING DEVICE
Stewart C. Whitman, New York, N. Y.
Application January 19, 1938, Serial No. 185,738
14 Claims. (Cl. 219—24)

8. In a hair curling and waving device, a gaseous electrical discharge tube adapted for the application of hair thereto, means cooperating with said tube for retaining hair applied thereto, elec-

trodes carried on said tube for applying a voltage to the gas filling thereof, external connections for said electrodes respectively, an electrical capacity area element terminating each of said



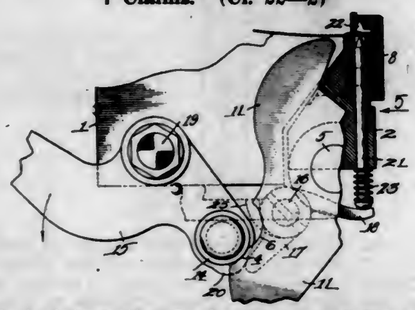
external connections, and a source of electrical energy positioned adjacent to but spaced from said capacity area elements and adapted to capacitively electrically energize said capacity area elements.

2,137,190

AUTOMATIC MATRIX REGISTERING DEVICE

Henry A. Wise Wood, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia

Application September 11, 1934, Serial No. 743,496
Renewed November 16, 1937
7 Claims. (Cl. 22—2)



7. A plate casting mechanism comprising a matrix and a cam and lever for automatically registering a matrix, withdrawing the registering means, and re-registering the matrix between the casting of each plate.

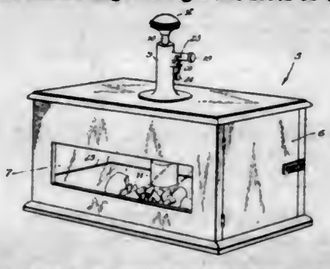
2,137,191

BOTTLE BREAKING DEVICE

William L. M. Legg, Brooklyn, N. Y.

Application May 11, 1936, Serial No. 79,141
1 Claim. (Cl. 83—93)

In a bottle breaking device, a display cabinet having a removable tray therein for receiving a bottle to be broken, and breaking means comprising a hollow cylindrical member mounted on said cabinet and rising therefrom, a plunger rod slidably mounted in said hollow cylindrical member and having an annular groove therein, said plunger rod having its lower end extending into the cabinet, a weighted member threadedly secured on the lower end of said rod, a knob providing a handle on the upper end of said rod, a spring surrounding the rod and engaged with the weighted member for urging the latter to bottle breaking position, a slotted sleeve formed on said cylindrical member and extending at right angles therefrom, a trigger member slidably mounted in the sleeve and receivable in the groove for holding the weighted member in raised position, a handle member pivotally connected to the cylindrical member and including a yoke disposed about the slotted sleeve, a pin bridging the yoke and extending through the slots of the sleeve



and the trigger member respectively for pivotal connection to the latter, a coil spring in the sleeve and engaged with the trigger member for normally holding the latter in the groove, and said trigger member handle being adapted for moving the trigger member against the action of its spring for releasing the rod to cause the weighted member to strike the bottle for breaking the latter.

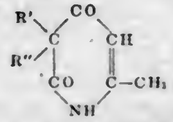
2,137,192

PROCESS FOR THE MANUFACTURE OF 2,4-DIOXO-3,3-DIALKYL-6-METHYL-TETRAHYDRO-PYRIDINE

Otto Schnider, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application November 12, 1937, Serial No. 174,257. In Switzerland December 2, 1936
8 Claims. (Cl. 260—297)

1. A process for the manufacture of a compound of the formula



wherein R' and R'' are alkyl radicals selected from the group consisting of allyl, allyl substituted in the β position, and n-propyl radicals which comprises introducing two alkyl radicals selected from the group consisting of allyl, allyl substituted in the β position and n-propyl radicals for the H atoms in the 3 position of 6-methyl-2,4-dioxo-pyrandihydride and then reacting the resulting 3,3-dialkyl derivative with ammonia.

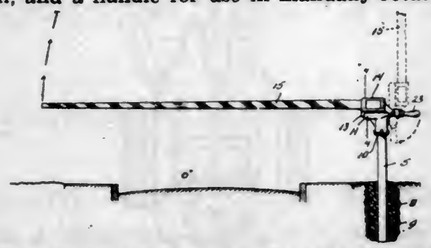
2,137,193

TRAFFIC CONTROL GATE

John Conrad Stafford, Steubenville, Ohio

Application April 3, 1936, Serial No. 72,623
4 Claims. (Cl. 39—82)

1. A gate for controlling traffic at the intersection of two streets or roadways, comprising an upright post, a carrier member journaled on the upper end of said post for rotation about a vertical axis, a barrier support pivoted on said carrier for vertical swinging movement about a horizontal axis and having spaced sockets, an elongated barrier comprising slat-like members having corresponding ends fitted in said sockets of said barrier support, means for limiting the swinging movement of said barrier support to locate the barrier either in a substantially horizontal operative or a substantially vertical inoperative position, and a handle for use in manually rotating



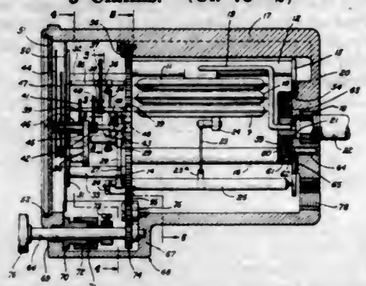
the carrier and barrier support about said vertical axis to selectively position said barrier across either desired one of the intersecting streets or roadways.

2,137,194

INDICATING INSTRUMENT

Philip F. Weber, Monmouth Beach, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application July 5, 1934, Serial No. 733,856
5 Claims. (Cl. 73—2)



2. In an aircraft air-speed indicator including a substantially cup-shaped casing, a dial and a pointer at the front end of said casing, the combination of a rotatable support journaled in said casing for rotation about an axis passing perpendicularly through the center of the dial and longitudinally of the casing and carrying the dial and pointer, a pressure responsive device mounted on and rotatable with said rotatable support, means connecting said device to said pointer for actuating the latter including a shaft to which said pointer is secured, means connecting the interior of said pressure responsive device to the exterior of the casing through substantially the center of the rear wall of the casing, and means forming an air-tight seal at the point where said connecting means passes through the rear wall of the casing whereby said pressure responsive device and its rotatable support together with the dial and pointer may be rotated about the longitudinal axis of said casing while maintaining a substantially air-tight connection between the interior of said pressure responsive device and the exterior of said casing.

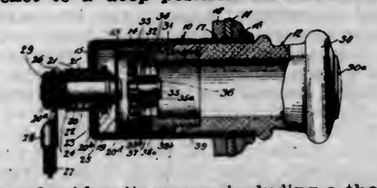
2,137,195

CIGAR LIGHTER

Joseph H. Cohen, Bridgeport, Conn., assignor to Automatic Devices Corporation, Bridgeport, Conn., a corporation of Connecticut

Application May 8, 1936, Serial No. 78,535
20 Claims. (Cl. 219—32)

1. In an electric cigar lighter, the combination of a base structure presenting a socket; an igniting unit insertable within and removable from such socket, said unit being manually movable in the socket to a deep position therein for ener-



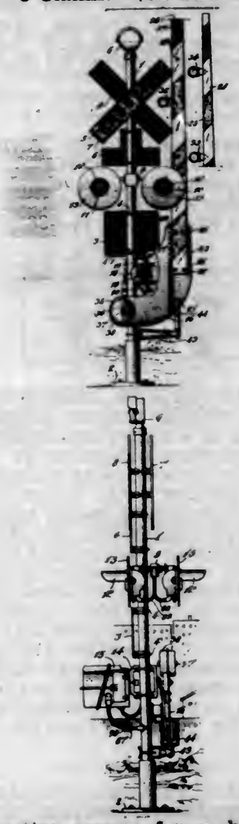
gization of said unit; means including a thermostatic means for moving the unit outwardly of the socket during energization of the unit; and non-thermostatic means for then automatically further moving the unit outwardly of the socket.

2,137,196

COMBINATION CROSSING GATE AND SIGNAL PROTECTIVE MEANS

Harry C. Sampson, Bloomington, Ill.

Application May 22, 1937, Serial No. 144,131
8 Claims. (Cl. 246—130)



5. Protective means for a highway-railroad grade crossing including in combination; stationary signal means including lights, a gate arm shaft, supporting means therefor, a gate arm mounted for movement in a vertical plane and provided with gravity-controlled means for governing the descent of the gate arm, additional warning devices on the gate arm, a motor connected through a reduction gearing to the gate arm shaft and having a control circuit therefor,

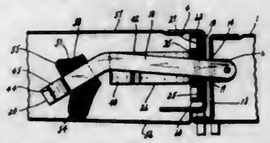
holding means for the gate arm including a holdclear magnet, slow-release means for controlling the magnet, a track section and a track relay electrically connected thereto, said relay establishing energizing circuits for the stationary warning devices and the warning devices on the gate arm and actuating the slow-release means when a train approaches the crossing, a circuit controller operatively connected to said gate arm shaft and having contacts some of which are normally open and being closed when the gate arm starts to lower, certain of said normally open contacts being in said motor circuit and certain other of said normally open contacts acting to establish circuits in multiple with certain of said circuits established by said track relay for said warning devices on the gate arm and certain of the stationary warning devices, whereby the warning devices on the gate arm and the stationary warning devices are operated before the gate arm starts to lower, the said warning devices on the gate arm and certain of the stationary warning devices continue to operate after the track relay is restored to normal position when the train passes from said track section, the motor then acting through its control circuit to restore the gate arm to clear position, the motor circuit and said multiple circuits being opened by the controller contacts just prior to the time the gate arm reaches its clear position.

2,137,197

COMBINED DOOR-HOLDING AND DOOR-CHECKING DEVICE

Rudolph I. Schonitzer, Cleveland, Ohio

Application May 28, 1934, Serial No. 727,891
13 Claims. (Cl. 16—86)



5. A device for releasably holding in open position a door member having a side thereof hinged on a side of a supporting member and for checking the opening movement of said door member, said device comprising an arm adapted to be pivotally secured to the hinged side of one of said members, retaining means adapted to be secured to and enclosed within the other of said members, a retainable head carried by said arm within said last mentioned member for releasable retention by said retaining means when said door member reaches a predetermined open position, whereby said door member may be releasably held in such open position, and a yieldable checking part on said arm between said head and a part of said retaining means and adapted to abut such part as the door member approaches open position for yieldably checking its movement.

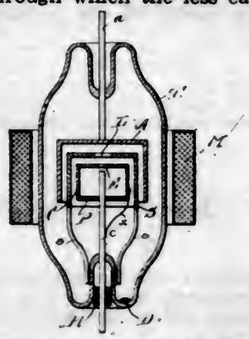
2,137,198

ELECTRIC DEVICE

Charles G. Smith, Medford, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application March 5, 1925, Serial No. 13,146, Renewed June 22, 1933
12 Claims. (Cl. 250—27.5)

1. A gaseous discharge device comprising a tube containing an easily ionizable gas and a gas less easily ionizable but more diffusible, an anode, a hollow cathode having a discharge opening therein, said cathode having an obstructed passageway through which the less easily ionizable gas may escape more rapidly than the other gas, whereby when a discharge occurs, said gases will be pumped into the hollow cathode and allow the less easily ionizable gas to escape.

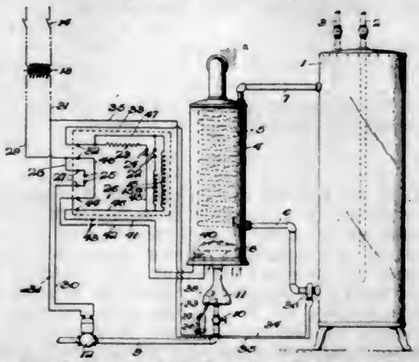


2,137,199

CONTROL SYSTEM FOR GAS HEATERS

Paul L. Betz, Baltimore, Md., assignor to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md., a corporation of Maryland

Application August 30, 1935, Serial No. 38,656
9 Claims. (Cl. 158—28)



1. An electrical control system for a gas heater comprising in combination an electrically controlled valve, a valve operating circuit including relay contacts, an electric pilot, a relay holding coil and a supplementary relay coil necessary for closing said contacts to open said valve, means for delaying the energization of said supplementary coil for a predetermined period after said holding coil is energized whereby said valve contacts have time delayed operation, said pilot being connected in series with said holding coil, and means for energizing said relay.

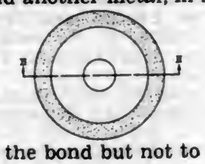
2,137,200

ABRASIVE ARTICLE AND ITS MANUFACTURE

John A. Boyer, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

Application June 28, 1937, Serial No. 150,765
6 Claims. (Cl. 51—280)

1. An abrasive article consisting of abrasive comprising diamonds and a sintered bond therefor composed principally of aluminum and containing in an aluminum base alloy, a hardening agent consisting of an intermetallic compound of aluminum and another metal, in such an amount as to harden the bond but not to destroy its ductility.



2,137,201

ABRASIVE ARTICLE AND ITS MANUFACTURE

John A. Boyer, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

Application June 28, 1937, Serial No. 150,766
3 Claims. (Cl. 51—280)



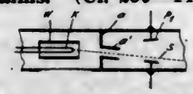
1. An abrasive article consisting of abrasive material comprising diamonds embedded and dispersed in a sintered metal matrix consisting principally of a ductile silver-base alloy which alloy contains as a hardening agent at least one metal other than silver retained in solid solution, in such an amount as to harden the matrix but not to destroy its ductility.

2,137,202

ELECTRON TUBE

Wolfgang Federmann and Johannes Richter, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application July 20, 1934, Serial No. 736,192
In Germany July 28, 1933
6 Claims. (Cl. 250—141)



1. Cathode ray tube structure comprising an envelope, means for producing a concentrated electron ray including a cathode, an anode, a Wehnelt focusing cylinder, a luminescent screen, symmetrical means for controlling the deflection of the ray in two mutually perpendicular directions, the axis of symmetry of said symmetrical means coinciding axially with the cathode, and at least one of the elements included in the means for producing the concentrated electron ray having its axis inclined with respect to the axis of the envelope for imparting to the electron ray an eccentrical position of rest both in the space enclosed by the planes of the deflection means and upon the screen.

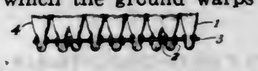
2,137,203

PILE FABRIC

Willis G. McCullough, Cummings Point, Stamford, Conn., assignor to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware

Application October 6, 1937, Serial No. 167,515
12 Claims. (Cl. 28—1)

1. In the manufacture of pile fabrics having warp-wise extending groups of a plurality of rows of pile, the steps which comprise guiding a plurality of ground warp threads and a pile-forming warp yarn through reed dents separated from one another by a wire, interweaving the ground warp threads with filling threads in flats to form a ground fabric, interlacing some of the pile yarns with the ground between two ground warps forming flats and about only those filling threads over which the ground warps lie when



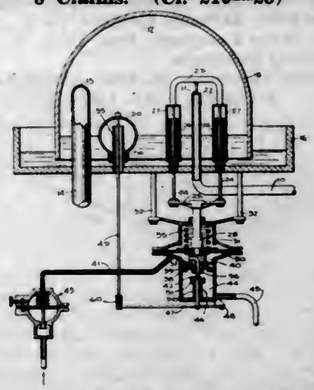
the fabric is face up, interweaving others of the pile yarns with the ground between pairs of next adjacent ground warps in next adjacent reed dents in the same manner and over the same filling threads and interweaving ground warp threads, which do not support the said pile yarns, with filling threads and over those filling threads about which the said pile yarns are not looped whereby the original reed spacing will have been lost and the warps re-aligned.

2,137,204

PRESSURE REDUCING AND REGULATING VALVE

George M. Booth, Westfield, N. J., assignor to Wallace & Tiernan Company, Inc., Belleville, N. J., a corporation of New York

Application June 2, 1936, Serial No. 83,022
8 Claims. (Cl. 210—28)



1. A power operated pressure reducing valve, comprising a closed chamber having a gas inlet and a gas outlet, means for supplying water to a lower part of said chamber under a constant head, a valve for controlling the flow of gas into the chamber, a float in the chamber, motor means for operating said valve, and means operated by said float for controlling the operation of said motor means to close the valve when the float moves downward and to open the valve when the float moves upward.

2,137,205

TREATMENT OF FOOD MATERIALS

William W. Cowgill, Fairfield, Conn., assignor to Sardik Incorporated, Jersey City, N. J., a corporation of Delaware

No Drawing. Application May 2, 1936, Serial No. 77,543. Renewed September 21, 1938
2 Claims. (Cl. 99—193)

1. The process of preserving fresh fruit and vegetable material substantially without loss of juice during the period of preservation, which consists in packing the fresh material in a container, dispersing particles of substantially pure,

non-acid pectin in non-hydrated, non-gelatinous condition throughout the fresh material and in intimate contact with the surfaces thereof, so as to be capable of readily combining with any juice exuded from the material, agitating the material during the preserving operation to facilitate intimate mixing of the fresh material and pectin, and freezing the material in the container.

2,137,206

SOLVENT REFINING HYDROCARBON OIL

Francis X. Govers, Vincennes, Ind., assignor to The Indian Refining Company, Lawrenceville, Ill., a corporation of Maine

No Drawing. Application January 28, 1937, Serial No. 122,787
4 Claims. (Cl. 196—13)

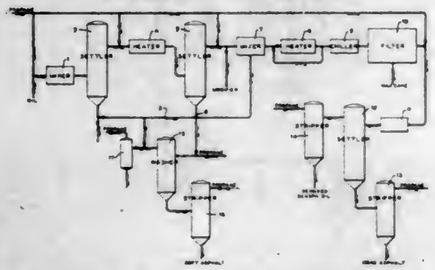
1. The method of separating hydrocarbon oil containing paraffinoid and non-paraffinoid constituents into fractions respectively rich in said constituents comprising mixing the oil with methyl furfural, forming an extract phase containing non-paraffinoid constituents dissolved in the solvent liquid, and a raffinate phase comprising paraffinoid constituents, and separating the two phases.

2,137,207

REMOVING WAX AND ASPHALTIC CONSTITUENTS FROM OIL

James H. Grahame, Mount Vernon, and William L. Douthett, Jackson Heights, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

Application November 24, 1936, Serial No. 112,470
5 Claims. (Cl. 196—18)



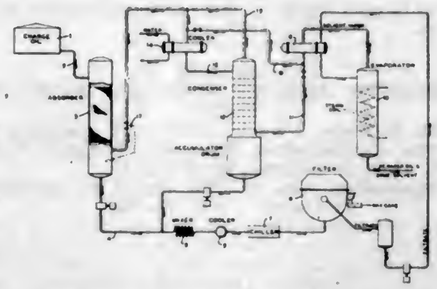
3. The method of removing asphalt and wax from residual wax-bearing lubricating oil containing a relatively large amount of both soft and hard asphalt comprising mixing the oil with a liquefied normally gaseous hydrocarbon in such proportion that at a temperature of around 80° to 100° F. a small amount of hard granular asphalt is precipitated, maintaining the mixture at such temperature to precipitate a slurry of hard granular asphalt amounting to about 2% to 5% of the asphaltic content of the residuum and mixed with some solvent, removing the slurry, adding further solvent to the remaining solution, maintaining the solution at a slightly higher temperature sufficient to precipitate remaining asphaltic constituents, removing the asphaltic constituents so precipitated thereby leaving a deasphalted solution, mixing the deasphalted solution with said slurry containing hard granular asphalt, incorporating in said mixture a small amount of a wax crystal regulator, heating the resulting mixture to a temperature in the range 150° to 190° F., chilling the mixture to a temperature of 0° F. and below to precipitate wax, and filtering the cold mixture to remove the wax in the presence of said hard granular asphalt.

2,137,208

DEWAXING WAX-BEARING OIL

Howard H. Gross, Beacon, and Wynkoop Kiersted, Jr., Scarsdale, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

Application October 28, 1936, Serial No. 107,924
2 Claims. (Cl. 196—18)



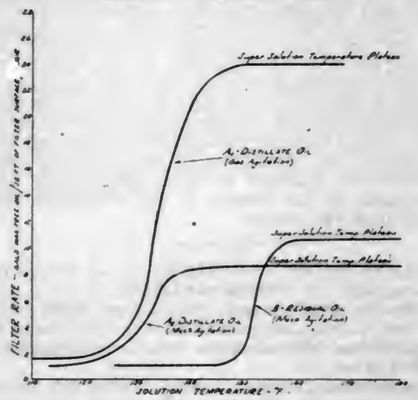
1. In the process of dewaxing wax-bearing lubricating oil wherein about one volume of oil is mixed with three to four volumes of a solvent consisting of about 40% methyl ethyl ketone and 60% benzol, the mixture heated to a temperature of around 160 to 170° F. to condition it, then chilled and filtered to remove the precipitated wax and produce a dewaxed solution of oil and solvent, the steps comprising vaporizing the solvent liquid from the dewaxed solution, condensing, without substantial reduction in temperature, a major portion of said vaporized solvent to form hot condensate at a temperature of around 165° F., absorbing the uncondensed portion of said solvent vapor in the fresh wax-bearing charge to form a mixture at about 165° F., and mixing the charge containing absorbed solvent with the aforesaid hot condensate, thereby producing a final mixture of wax-bearing oil and solvent at substantially the conditioning temperature required prior to chilling.

2,137,209

DEWAXING MINERAL OIL

Edwin C. Knowles, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application September 20, 1935, Serial No. 41,393
5 Claims. (Cl. 196—18)



5. The method of separating wax from mineral oil which comprises mixing the oil and wax con-

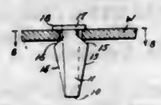
taining wax crystal modifying material with a selective solvent comprising a mixture of a low molecular weight aliphatic ketone and an aromatic hydrocarbon such that the wax and oil appear to be completely dissolved therein at a temperature not in excess of about 125° F., and such that upon chilling a mixture of the oil and solvent to precipitate wax, and removing the wax so precipitated, the resulting dewaxed oil, after removal of the solvent, will have a pour test corresponding substantially to the temperature at which the wax was removed, heating the solution to a temperature around 160 to 170° F. such that upon chilling to about 0° F. and filtering, the rate of filtration is substantially greater than that obtained, and a wax cake is secured having a bulk not more than two-thirds the bulk secured, by heating only to about 125° F., chilling the heated mixture to precipitate wax and removing the wax thus precipitated.

2,137,210

SNAP-STUD FASTENING MEANS

Herman G. Lombard, Washington, D. C., assignor to Albert H. Tinnerman, Cleveland, Ohio

Application March 17, 1937, Serial No. 131,511
6 Claims. (Cl. 85—5)



1. For use in preperforated apertured work, a sheet metal fastening device comprising a blank having a bend at either end thereof to provide a head and a bend intermediate its ends providing a shank of greater length than the thickness of the apertured work to which it is applied, said bend intermediate the ends of the blank being on a line substantially at right angles to the longitudinal axis of the device and providing a shank comprising substantially oppositely disposed leg members of equal length integrally united to provide a leading end for the device, at least one of said leg members having a projecting portion including a shoulder extending laterally beyond the outline of the oppositely disposed leg member when normally untensioned, said projecting portion being adapted to effect relative lateral movement of said oppositely disposed leg members to offset tensioned relation when advanced in the aperture in the work by substantial snap fastening engagement to applied fastening position, said shoulder engaging the adjacent underface of the work under tension in such applied fastening position and cooperating with said head engaging the opposite face of the work to lock the device in its applied fastening position.

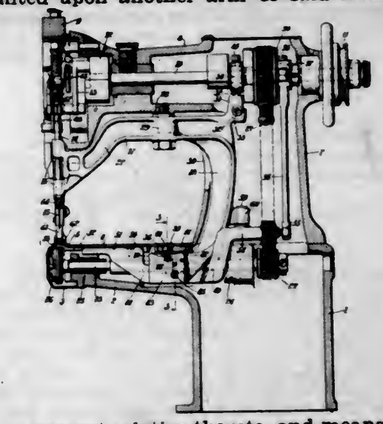
2,137,211

FEEDING MECHANISM FOR SEWING MACHINES

Max L. Waterman, Fairfield, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application May 26, 1937, Serial No. 144,765
11 Claims. (Cl. 112—207)

1. In a sewing machine, an oscillatory plural-armed, feed-frame, means for oscillating said feed-frame, a needle-bar journaled in one of the arms of said feed-frame for endwise reciprocation, a needle carried by said needle-bar, means for reciprocating said needle-bar, a feed-dog mounted upon another arm of said feed-frame



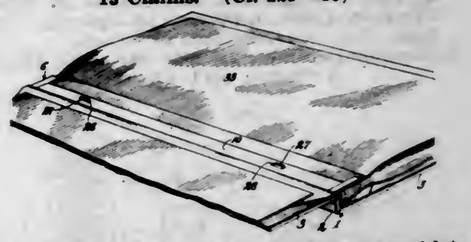
for movement relative thereto, and means for actuating said feed-dog.

2,137,212

BOOKBINDER

Arthur E. Bloomfield and William E. Smith, West Webster, N. Y.

Application June 17, 1936, Serial No. 85,786
13 Claims. (Cl. 129—40)



4. A binder for books, magazines, pamphlets, catalogues and the like, comprising a holder having a channel, a clip mounted on the holder at the channel and engageable with the books, magazines, catalogues, pamphlets and the like to secure the same to the holder, and an end closure mounted on the holder at an end thereof for retaining the clip thereon, said end closure being provided with means for detachably engaging the holder.

2,137,213

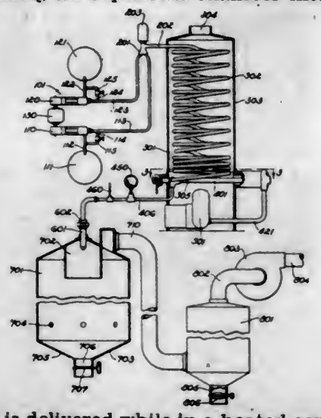
APPARATUS FOR PRODUCING SOAP OF LOW MOISTURE CONTENT

Benjamin Clayton, Sugarland, Tex., and Walter B. Kerrick, Los Angeles, and Henry M. Stadt, Glendale, Calif., assignors to Refining Inc., Reno, Nev., a corporation of Nevada

Continuation of application Serial No. 733,488, July 2, 1934, which is a division of application Serial No. 666,470, April 17, 1933. This application September 12, 1935, Serial No. 40,312
10 Claims. (Cl. 87—16)

1. An apparatus for producing soap, which comprises: a heater; means for delivering a dispersion, consisting of a saponifying material in aqueous solution carried in a saponifiable material, to said heater; means for supplying heat to said dispersion while in said heater in sufficient amounts to cause a rapid reaction in said dispersion and thus form soap and steam in said heater; means for controlling the heat supplied to

said dispersion while in said heater in response to the amount of steam present in said heater; walls forming an expansion chamber into which



said soap is delivered while in a heated condition; and means for withdrawing vapor from said chamber at a sufficient rate to maintain a partial vacuum on said chamber.

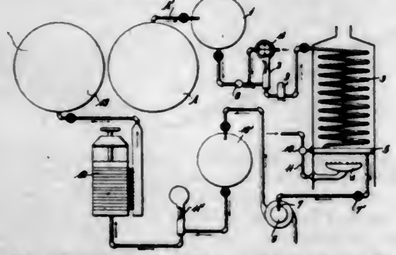
2,137,214

APPARATUS FOR REFINING OILS

Benjamin Clayton, Houston, Tex., and Walter B. Kerrick, Los Angeles, and Henry M. Stadt, Glendale, Calif., assignors to Refining, Inc., Reno, Nev., a corporation of Nevada

Application December 28, 1937, Serial No. 182,124

6 Claims. (Cl. 87—12)



1. An apparatus for the continuous and quick purification of animal and vegetable oils containing free fatty acids comprising in combination a source of supply for the oil and a source of supply for alkaline refining reagent; a mixing chamber; pumping apparatus for pumping including metering devices for feeding proportioned streams of the reagent and oil through the mixing receptacle where the same are admixed for a brief period to effect neutralization of said free fatty acids and to form soap stock; a casing enclosing the mixing chamber to exclude air therefrom whereby to prevent the formation of a difficultly separable emulsion while the mixture remains in said mixing chamber; a heating device; means for connecting the mixing chamber to the heating device, said means being also closed from the atmosphere whereby the mixture is pumped under super-atmospheric pressure through the heating device, heating means for supplying heat to the heating device to condition the mixture during its rapid flow through the heating chamber for the act of centrifugal separation of the soap stock from the refined oil; a centrifugal and conduit means for continuously introducing the conditioned mixture to the said centrifugal.

2,137,215

METHOD OF MAKING MINING MACHINE CHAIN CUTTER BITS

Frank L. Fulke, Terre Haute, Ind., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio, a corporation of Ohio

Original application May 22, 1930, Serial No. 454,561, now Patent No. 2,036,327, dated April 7, 1936. Divided and this application October 19, 1934, Serial No. 749,104

8 Claims. (Cl. 76—108)



1. The method of making mining machine cutter bits having a plurality of cutting points which comprises the formation in a sheet of metal of a plurality of recesses having a plurality of triangular opposing faces, and dividing the sheet metal at the edges of the recesses to form a plurality of cutter bit blanks of equal size and shape to afford a plurality of cutting bit points equal in number to said plurality of opposing faces and radially disposed relative to the center of each blank.

2,137,216

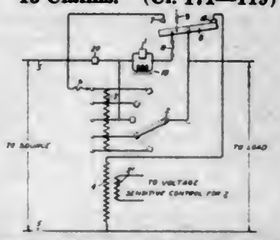
PROTECTIVE CIRCUIT

Orin P. McCarty, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application January 6, 1937, Serial No. 119,234

Renewed March 17, 1938

15 Claims. (Cl. 171—119)



15. In combination, an alternating current load circuit, a voltage regulator for said circuit comprising an autotransformer connected in said circuit and provided with means for changing taps on the series windings thereof, an impedance for carrying the circuit load current during a tap changing operation, and protective means for said impedance operative as a result of the stopping of said tap changing means in an "off" position when said circuit is carrying a substantial load current for substantially simultaneously opening the circuit through said impedance, closing a relatively low impedance by-pass connection around the normal current path through said impedance and opening the circuit of the common winding of said transformer.

2,137,217

SLUSH CASTING MACHINE

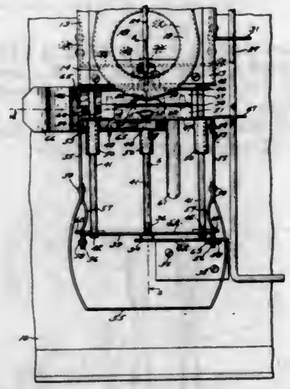
Otto Rieg, Newark, N. J., assignor to The A. C. Gilbert Company, New Haven, Conn., a corporation of Maryland

Application January 9, 1937, Serial No. 119,762

15 Claims. (Cl. 22—57)

2. In apparatus for movably supporting complementary mold sections and operating them single handedly in a manner to produce slush castings, the combination with spaced rear and

front frame abutments, of a turnable structure intermediate and pivotally supported by said abutments including a mold section holding member at the rear end of said structure and a carrier for a complementary mold section slid-



ably mounted on said structure in a location to travel away from said front frame abutment toward said holding member for closing the mold sections and to travel away from said holding member toward said front frame abutment for opening said mold sections, together with an operating lever extending past said front frame abutment connected at the rear thereof to said carrier in a manner selectively to slide said carrier and/or to swing said structure.

2,137,218

REFINING HYDROCARBON OILS

Francis X. Govers, Vincennes, Ind., assignor to Indian Refining Company, Lawrenceville, Ill., a corporation of Maine

No Drawing. Application December 27, 1932, Serial No. 648,988

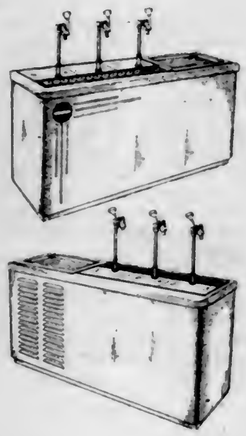
4 Claims. (Cl. 196—13)

1. The method of manufacturing low pour test high viscosity index lubricating oil from wax-bearing mineral lubricating oil stock such as derived from Mid-Continent crude comprising mixing about one part of the oil with about two parts of a mixture of sulphur dioxide and methylene chloride containing around 10% sulphur dioxide, chilling the mixture to a temperature of 0° F. and below to precipitate wax, removing the wax thus precipitated, adding to the dewaxed mixture further sulphur dioxide to produce a solvent mixture containing up to about 50% sulphur dioxide, separating the mixture while at a temperature of around 0° F. into extract and raffinate phases, removing the resulting phases and removing the solvent therefrom.

DESIGNS

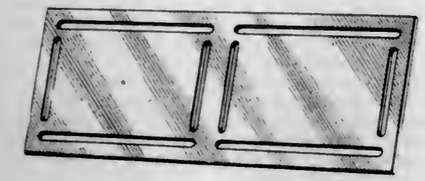
NOVEMBER 15, 1938

112,145
DESIGN FOR A BEVERAGE DISPENSING CABINET
Herman H. Harr, East Cleveland, Ohio
Application June 16, 1938, Serial No. 77,860
Term of patent 14 years



The ornamental design for a beverage dispensing cabinet, substantially as shown.

112,146
DESIGN FOR A PIANO MUSIC RACK
Henry R. Heller, New York, N. Y., assignor to Winter & Co., New York, N. Y., a corporation of New York
Application February 28, 1938, Serial No. 75,467
Term of patent 7 years



The ornamental design for a piano music rack, as shown.

112,147
DESIGN FOR A LYRE FOR A PIANO
Henry R. Heller, New York, N. Y., assignor to Winter & Co., New York, N. Y., a corporation of New York
Application March 19, 1938, Serial No. 75,952
Term of patent 7 years



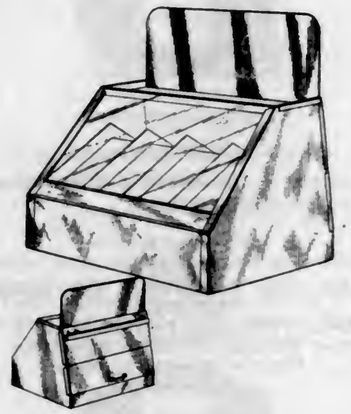
The ornamental design for a lyre for a piano, as shown.

112,148
DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y.
Application October 5, 1938, Serial No. 80,257
Term of patent 3½ years



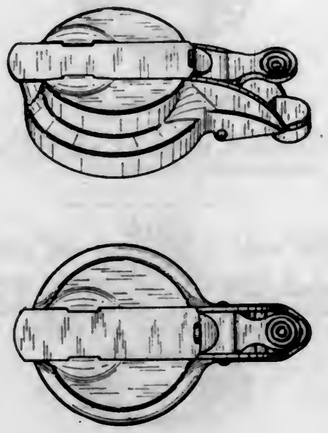
The ornamental design for a brooch pin or similar article, substantially as shown.

112,149
DESIGN FOR A DISPLAY CASE
Paul M. Kleinwachter, Chicago, Ill.
Application March 24, 1938, Serial No. 76,067
Term of patent 14 years



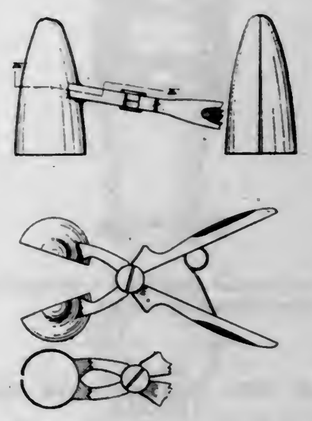
The ornamental design for a display case, substantially as shown.

112,150
DESIGN FOR A DISPENSING COVER FOR A PITCHER OR SIMILAR ARTICLE
Ralph H. Pershall, Bremerton, Wash., assignor to Sanicut Mfg. Co., Port Orchard, Wash., a corporation of Washington
Application January 29, 1938, Serial No. 74,695
Term of patent 14 years



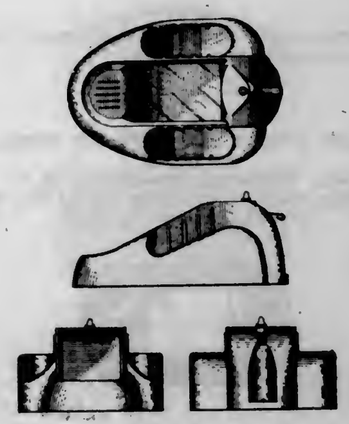
The ornamental design for a dispensing cover for a pitcher or similar article, as shown.

112,151
DESIGN FOR AN ICE CREAM DIPPER
Robert J. Price, Uniontown, Pa.
Application May 11, 1938, Serial No. 77,120
Term of patent 14 years



The ornamental design for an ice cream dipper, as shown.

112,152
DESIGN FOR AN ILLUMINATED COIN TRAY
Clifford W. Sandley, Madison, Wis., assignor to Ray-O-Vac Company, a corporation of Wisconsin
Application August 12, 1938, Serial No. 79,293
Term of patent 14 years



The ornamental design for an illuminated coin tray, as shown.

112,153
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I.
Application October 11, 1938, Serial No. 80,374
Term of patent 3½ years





The ornamental design for a brooch or similar article, substantially as shown.

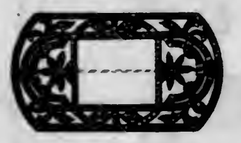
112,154
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I.
Application October 11, 1938, Serial No. 80,375
Term of patent 3½ years





The ornamental design for a brooch or similar article, substantially as shown.

112,155
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I.
Application October 11, 1938, Serial No. 80,376
Term of patent 3½ years





The ornamental design for a brooch or similar article, substantially as shown.

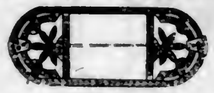
112,156
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I.
Application October 11, 1938, Serial No. 80,377
Term of patent 3½ years

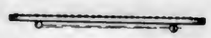




The ornamental design for a brooch or similar article, substantially as shown.

112,157
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I.
Application October 11, 1938, Serial No. 80,378
Term of patent 3½ years





The ornamental design for a brooch or similar article, substantially as shown.

112,158
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I.
Application October 11, 1938, Serial No. 80,379
Term of patent 3½ years





The ornamental design for a brooch or similar article, substantially as shown.

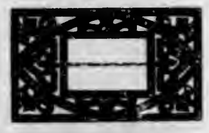
112,159
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I.
Application October 11, 1938, Serial No. 80,380
Term of patent 3½ years





The ornamental design for a brooch or similar article, substantially as shown.

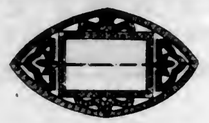
112,160
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I.
Application October 11, 1938, Serial No. 80,381
Term of patent 3½ years

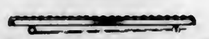




The ornamental design for a brooch or similar article, substantially as shown.

112,161
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I.
Application October 11, 1938, Serial No. 80,382
Term of patent 3½ years





The ornamental design for a brooch or similar article, substantially as shown.

112,162
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I.
Application October 11, 1938, Serial No. 80,383
Term of patent 3½ years

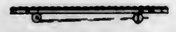




The ornamental design for a brooch or similar article, substantially as shown.

112,163
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I.
Application October 11, 1938, Serial No. 80,384
Term of patent 3½ years





The ornamental design for a brooch or similar article, substantially as shown.

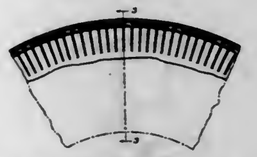
112,164
DESIGN FOR A TUMBLER
Jean Viatour, Soignies, Belgium, assignor to Libbey Glass Company, Toledo, Ohio, a corporation of Ohio
Application September 10, 1938, Serial No. 79,835
Term of patent 7 years

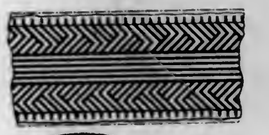




The ornamental design for a tumbler, substantially as shown.

112,165
DESIGN FOR A TIRE
George W. Anderson, Akron, Ohio
Application January 28, 1938, Serial No. 74,673
Term of patent 14 years

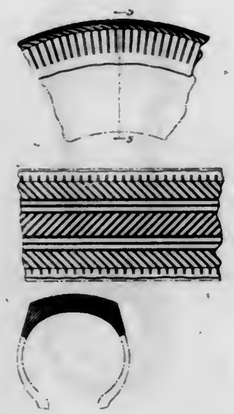






The ornamental design for a tire, substantially as shown.

112,166
DESIGN FOR A TIRE
George W. Anderson, Akron, Ohio
Application January 28, 1938, Serial No. 74,674
Term of patent 14 years



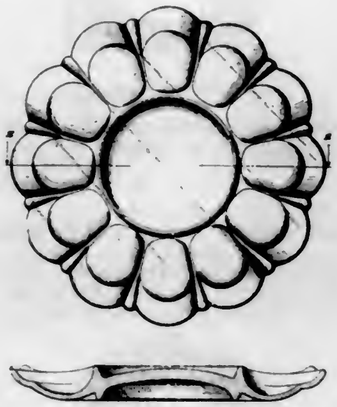
The ornamental design for a tire, substantially as shown.

112,167
DESIGN FOR A COUNTER CHAIR
Ture I. Anderson, Merced, Calif.
Application August 22, 1938, Serial No. 79,493
Term of patent 14 years



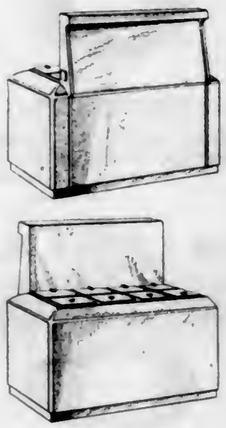
The ornamental design for a counter chair, as shown.

112,168
DESIGN FOR A DEVILED EGG PLATE OR SIMILAR ARTICLE
Arthur J. Bennett, Cambridge, Ohio
Application August 26, 1938, Serial No. 79,581
Term of patent 7 years



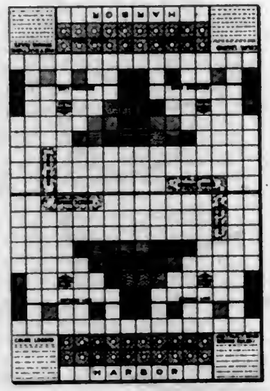
The ornamental design for a deviled egg plate or similar article. substantially as shown.

112,169
DESIGN FOR A REFRIGERATED DISPENSING CABINET
George W. Cocks, Upper Montclair, N. J.
Application October 6, 1937, Serial No. 72,031
Term of patent 7 years



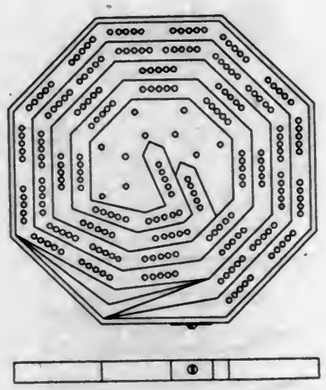
The ornamental design for a refrigerated dispensing cabinet, substantially as shown.

112,170
DESIGN FOR A NAVAL GAME BOARD
Lawrence E. Corser, Cortland, N. Y.
Application March 7, 1938, Serial No. 75,638
Term of patent 7 years



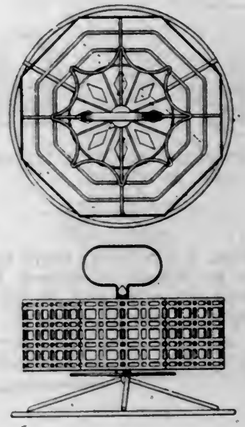
The ornamental design for a naval game board, as shown.

112,171
DESIGN FOR A CRIBBAGE BOARD
Myles A. Favreau, Battle Creek, Mich.
Application March 5, 1938, Serial No. 75,619
Term of patent 14 years



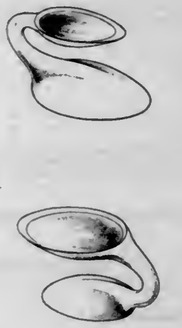
The ornamental design for a cribbage board, substantially as shown.

112,172
DESIGN FOR A REVOLVING CONTAINER FOR DRINKING GLASSES
Louis J. Gordon, Chicago, Ill.
Application July 15, 1938, Serial No. 78,515
Term of patent 7 years



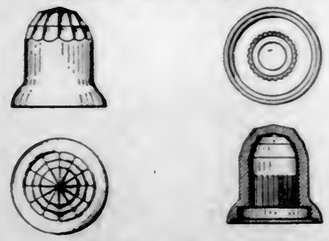
The ornamental design for a revolving container for drinking glasses, as shown.

112,173
DESIGN FOR A MEDICINAL MEASURING CUP
George P. Kingsbury, Hollis, N. Y.
Application September 15, 1938, Serial No. 79,915
Term of patent 14 years



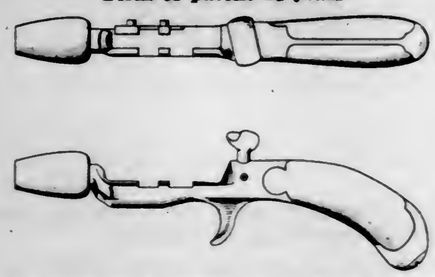
The ornamental design for a medicinal measuring cup, substantially as shown.

112,174
DESIGN FOR A FERRULE FOR UMBRELLAS OR THE LIKE
Louis Levine, Leominster, Mass.
Application August 29, 1938, Serial No. 79,624
Term of patent 3½ years



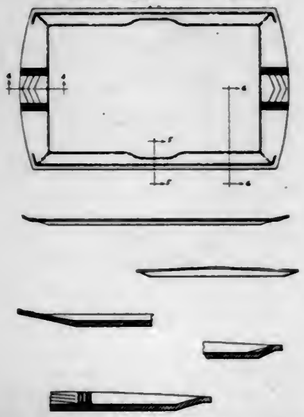
The ornamental design for a ferrule for umbrellas or the like, as shown.

112,175
DESIGN FOR A FISHING ROD HANDLE
Victor B. Nelson, Rockford, Ill.
Application September 16, 1938, Serial No. 79,944
Term of patent 14 years



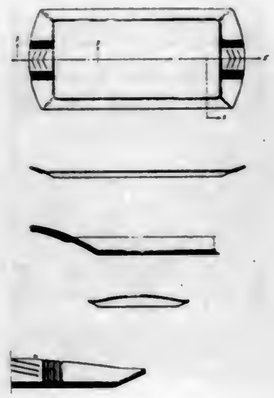
The ornamental design for a fishing rod handle, substantially as shown.

112,176
DESIGN FOR A TRAY
Jean O. Reinecke and James F. Barnes, Chicago, Ill., assignors to McGraw Electric Company, Chicago, Ill., a corporation of Delaware
Application August 15, 1938, Serial No. 79,352
Term of patent 7 years



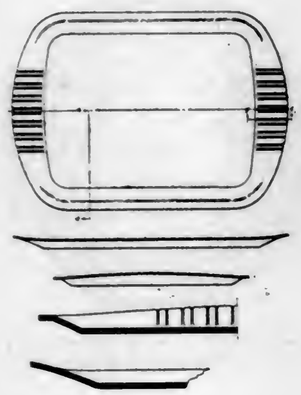
The ornamental design for a tray, as shown and described.

112,177
DESIGN FOR A TRAY
Jean O. Reinecke and James F. Barnes, Chicago, Ill., assignors to McGraw Electric Company, Chicago, Ill., a corporation of Delaware
Application August 15, 1938, Serial No. 79,353
Term of patent 7 years



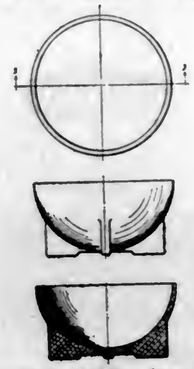
The ornamental design for a tray, as shown and described.

112,178
DESIGN FOR A TRAY
Jean O. Reinecke and James F. Barnes, Chicago, Ill., assignors to McGraw Electric Company, Chicago, Ill., a corporation of Delaware
Application August 15, 1938, Serial No. 79,354
Term of patent 7 years



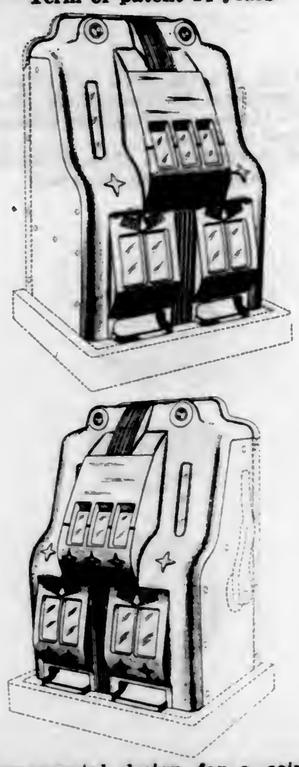
The ornamental design for a tray, as shown and described.

112,179
DESIGN FOR A JAM DISH
Jean O. Reinecke and James F. Barnes, Chicago, Ill., assignors to McGraw Electric Company, Chicago, Ill., a corporation of Delaware
Application August 15, 1938, Serial No. 79,357
Term of patent 7 years



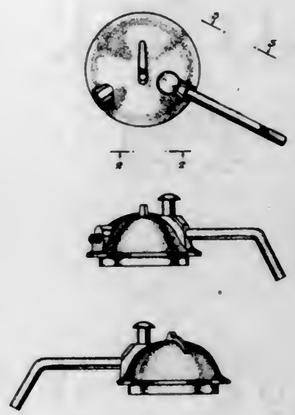
The ornamental design for a jam dish, as shown and described.

112,180
DESIGN FOR A COIN OPERATED MACHINE CASING
Jean O. Reinecke, Chicago, Ill., assignor to Lion Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application August 16, 1938, Serial No. 79,366
Term of patent 14 years



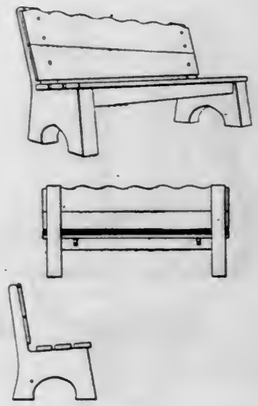
The ornamental design for a coin operated machine casing, as shown and described.

112,181
DESIGN FOR A SIPHON HEAD OR SIMILAR ARTICLE
Hugh J. Ross, Brooklyn, N. Y.
Application March 17, 1938, Serial No. 75,902
Term of patent 7 years



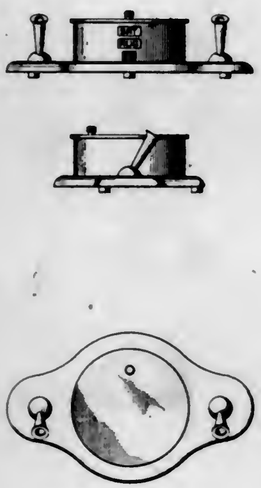
The ornamental design for a siphon head or similar article, as shown and described.

112,182
DESIGN FOR A BENCH
Frank James Schmitt, San Diego, Calif.
Application November 24, 1936, Serial No. 66,124
Term of patent 14 years



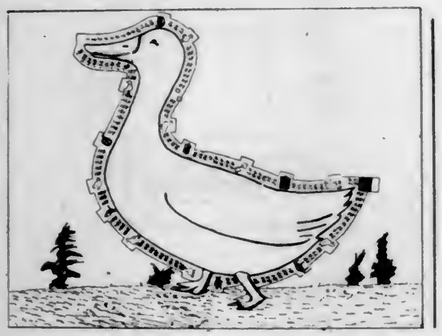
The ornamental design for a bench, as shown

112,183
DESIGN FOR A COMBINATION DESK UNIT
Jim I. Silvers, Chicago, Ill.
Application August 29, 1938, Serial No. 79,619
Term of patent 7 years



The ornamental design for a combination desk unit, as shown.

112,184
DESIGN FOR A GAME BOARD
Peter Toti, Easton, Pa.
Application March 29, 1938, Serial No. 76,160
Term of patent 14 years



The ornamental design for a game board, substantially as shown.

112,185
DESIGN FOR A TIRE
George W. Anderson, Akron, Ohio
Application January 28, 1938, Serial No. 74,675
Term of patent 14 years



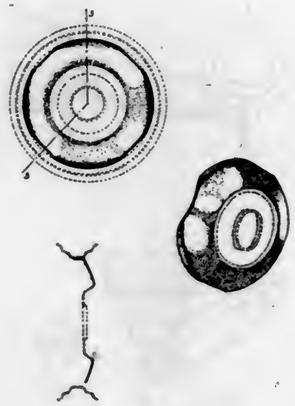
The ornamental design for a tire, substantially as shown.

112,186
DESIGN FOR A LIGHTING FIXTURE GLOBE
Albert L. Arenberg, Highland Park, Ill., assignor to Patent License Corporation, Chicago, Ill., a corporation of Illinois
Application November 16, 1936, Serial No. 65,937
Term of patent 3½ years



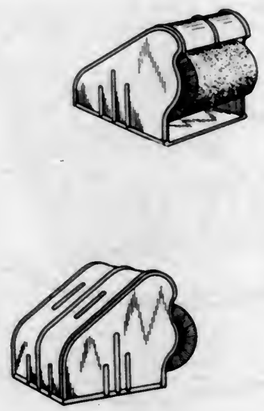
The ornamental design for a lighting fixture globe, substantially as shown and described.

112,187
DESIGN FOR A WHEEL
Charles S. Ash, Milford, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application August 18, 1937, Serial No. 71,179
Term of patent 14 years



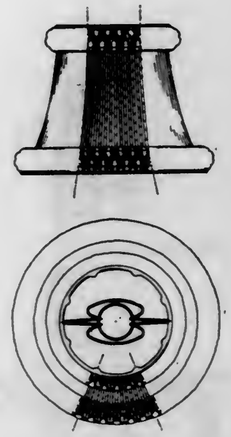
The ornamental design for a wheel, substantially as shown and described.

112,188
DESIGN FOR A SHOE POLISHER OR SIMILAR ARTICLE
Ernest E. Baldwin, Spokane, Wash.
Application June 21, 1938, Serial No. 77,966
Term of patent 3½ years



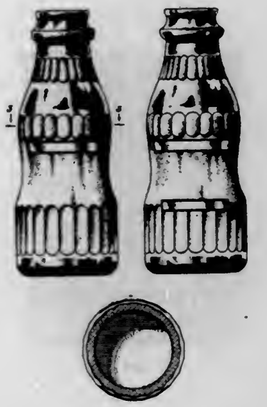
The ornamental design for a shoe polisher or similar article, as shown.

112,189
DESIGN FOR A LAMP SHADE
William H. Biever, Philadelphia, Pa.
Application July 8, 1938, Serial No. 78,344
Term of patent 7 years



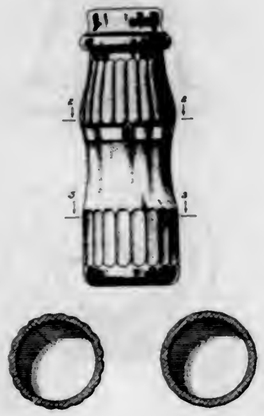
The ornamental design for a lamp shade, as shown and described.

112,190
DESIGN FOR A BOTTLE
Frank W. Bireley, Hollywood, Calif., assignor to Bireley's Incorporated, Los Angeles, Calif., a corporation of California
Application September 1, 1938, Serial No. 79,678
Term of patent 14 years



The ornamental design for a bottle, as shown.

112,191
DESIGN FOR A BOTTLE
Frank W. Bireley, Hollywood, Calif., assignor to Bireley's Incorporated, Los Angeles, Calif., a corporation of California
Application September 1, 1938, Serial No. 79,679
Term of patent 14 years



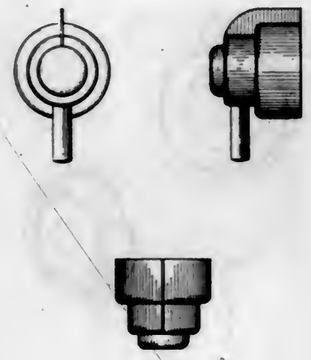
The ornamental design for a bottle, as shown.

112,192
DESIGN FOR A KNITTED FABRIC OR SIMILAR ARTICLE
William Depledge, Milwaukee, Wis.
Application June 15, 1938, Serial No. 77,849
Term of patent 7 years



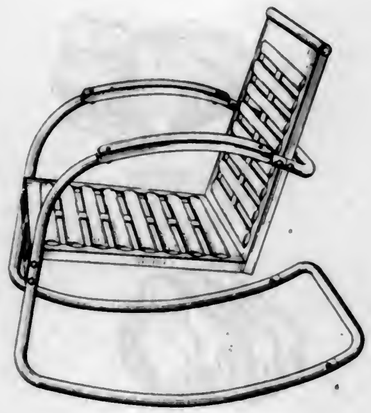
The ornamental design for a knitted fabric or similar article, as shown and described.

112,193
DESIGN FOR A KNOB
Francis C. Ellis, Chicago, Ill.
Application September 1, 1938, Serial No. 79,673
Term of patent 14 years



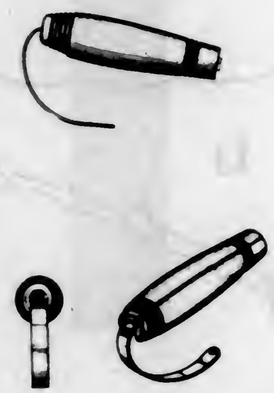
The ornamental design for a knob, as shown.

112,194
DESIGN FOR A CHAIR
Aaron S. Goldberg, Philadelphia, Pa., assignor to Bunting Glider Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 10, 1938, Serial No. 80,344
Term of patent 7 years



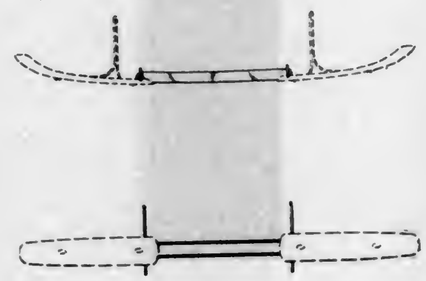
The ornamental design for a chair, as shown.

112,195
DESIGN FOR A COMBINED HANDLE AND STANDARD FOR A SADIRON OR SIMILAR ARTICLE
Russell I. Huffman, Dover, Ohio, assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application March 28, 1938, Serial No. 76,131
Term of patent 3½ years



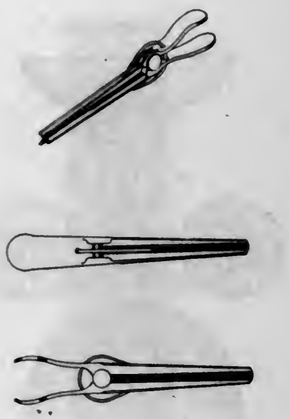
The ornamental design for a combined handle and standard for a sadiron or similar article, substantially as shown.

112,196
DESIGN FOR A VEHICLE BUMPER OR SIMILAR ARTICLE
Herbert S. Jandus, Detroit, Mich., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application January 15, 1938, Serial No. 74,317
Term of patent 7 years



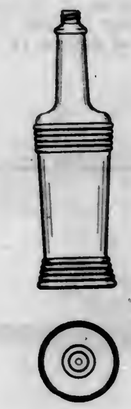
The ornamental design for a vehicle bumper or similar article, as shown and described.

112,197
DESIGN FOR A HAIR CURLER
Frances M. Jones, Burlington, Iowa
Application August 16, 1937, Serial No. 71,122
Term of patent 7 years



The ornamental design for a hair curler, as shown.

112,198
DESIGN FOR A GLASS BOTTLE
Lawrence J. Kihn, Pittsburgh, Pa., assignor to J. T. & A. Hamilton Company, a corporation of Pennsylvania
Application March 23, 1938, Serial No. 76,031
Term of patent 14 years



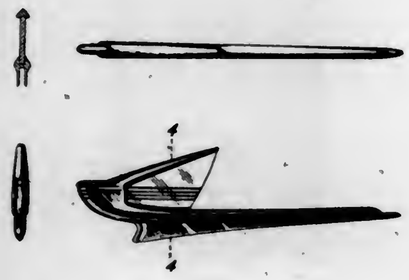
The ornamental design for a glass bottle, substantially as shown.

112,199
DESIGN FOR A COMPOTE BOWL OR SIMILAR ARTICLE
Rowena Reed Kostellow, Pittsburgh, Pa., assignor to United States Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 15, 1938, Serial No. 75,157
Term of patent 3½ years



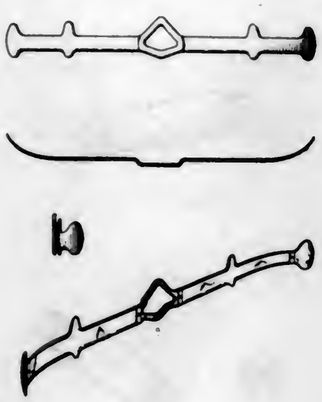
The ornamental design for a compote bowl or similar article, substantially as shown.

112,200
DESIGN FOR AN AUTOMOBILE RADIATOR ORNAMENT OR SIMILAR ARTICLE
Bonnie E. Lemm, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application October 1, 1938, Serial No. 80,166
Term of patent 14 years



The ornamental design for an automobile radiator ornament or similar article, substantially as shown.

112,201
DESIGN FOR AN AUTOMOBILE BUMPER
Peter N. Madsen, Detroit, Mich.
Application July 25, 1938, Serial No. 78,698
Term of patent 3½ years



The ornamental design for an automobile bumper, as shown.

112,202
DESIGN FOR A TEXTILE FABRIC
George Megibow, New York, N. Y.
Application October 14, 1938, Serial No. 80,437
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

112,203
DESIGN FOR A TEXTILE FABRIC
George Megibow, New York, N. Y.
Application October 14, 1938, Serial No. 80,438
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

112,204
DESIGN FOR A TEXTILE FABRIC
George Megibow, New York, N. Y.
Application October 14, 1938, Serial No. 80,439
Term of patent 3½ years



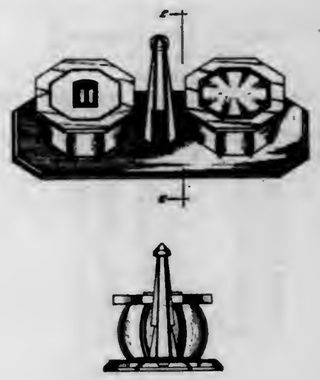
The ornamental design for a textile fabric, substantially as shown and described.

112,205
DESIGN FOR A TEXTILE FABRIC
George Megibow, New York, N. Y.
Application October 14, 1938, Serial No. 80,440
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

112,206
DESIGN FOR A COMBINED TRAY AND RECEPTACLES FOR SMOKERS
John K. Milton, Chicago, Ill.
Application June 18, 1938, Serial No. 77,918
Term of patent 3½ years



The ornamental design for a combined tray and receptacles for smokers, as shown and described.

112,207
DESIGN FOR A WASHING MACHINE
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application February 24, 1937, Serial No. 67,825
Term of patent 3½ years



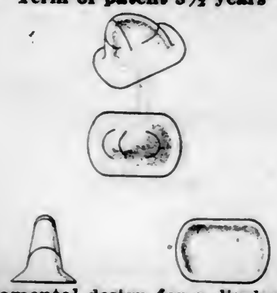
The ornamental design for a washing machine, as shown.

112,208
DESIGN FOR A VENDING MACHINE CASING
Peter Müller-Munk, Pittsburgh, Pa.
Application September 2, 1938, Serial No. 79,726
Term of patent 7 years



The ornamental design for a vending machine casing, as shown.

112,209
DESIGN FOR A DISPLAY HOLDER OR SIMILAR ARTICLE
Adam P. Nieliwocki, Irvington, N. J.
Application June 8, 1938, Serial No. 77,668
Term of patent 3½ years



The ornamental design for a display holder or similar article, as shown.

112,210
DESIGN FOR A TEXTILE FABRIC
Harry Odzer, New York, N. Y.
Application October 5, 1938, Serial No. 80,258
Term of patent 3½ years



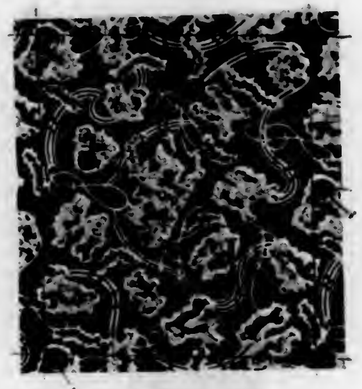
The ornamental design for a textile fabric, substantially as shown and described.

112,211
DESIGN FOR A TEXTILE FABRIC
Harry Odzer, New York, N. Y.
Application October 5, 1938, Serial No. 80,259
Term of patent 3½ years



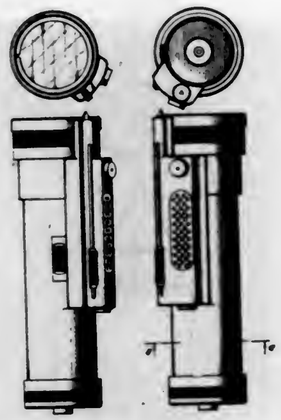
The ornamental design for a textile fabric, substantially as shown and described.

112,212
DESIGN FOR A TEXTILE FABRIC
Harry Odzer, New York, N. Y.
Application October 5, 1938, Serial No. 80,260
Term of patent 3½ years



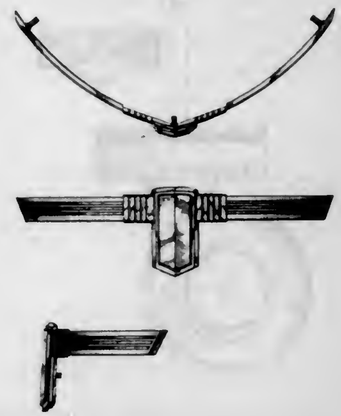
The ornamental design for a textile fabric, substantially as shown and described.

112,213
DESIGN FOR A COMBINED FLASHLIGHT AND TROUBLE FINDING DEVICE
Isadore M. Povsner, Chicago, Ill., assignor of one-half to Walter G. King, Chicago, Ill.
Application August 8, 1938, Serial No. 79,178
Term of patent 7 years



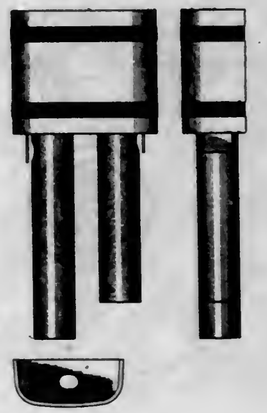
The ornamental design for a combined flashlight and trouble finding device, substantially as shown.

112,214
DESIGN FOR A DECORATIVE PLATE FOR AN AUTOMOBILE RADIATOR GRILLE OR TRUNK
Carl Reynolds, Jr., Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 25, 1937, Serial No. 71,794
Term of patent 3½ years



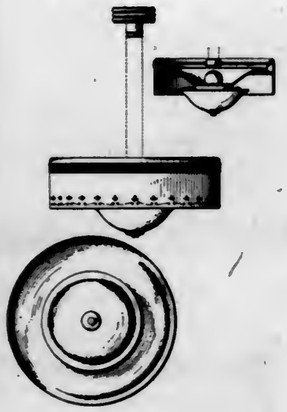
The ornamental design for a decorative plate for an automobile radiator grille or trunk, as shown.

112,215
DESIGN FOR A SIGNAL DEVICE
Lloyd Rittenhouse, Honeoye Falls, N. Y., assignor to The A. E. Rittenhouse Co., Inc., Honeoye Falls, N. Y., a corporation of New York
Application July 20, 1938, Serial No. 78,606
Term of patent 7 years



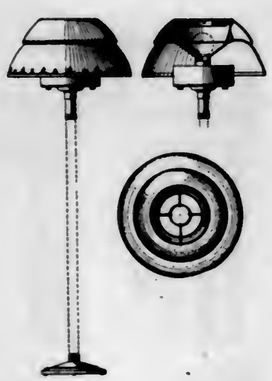
The ornamental design for a signal device, as shown.

112,216
DESIGN FOR A CEILING LAMP
Hilyard R. Robinson, Washington, D. C., and Aksel J. C. Knudstrup, Vienna, Va.
Application August 3, 1938, Serial No. 79,070
Term of patent 7 years



The ornamental design for a ceiling lamp, as shown and described.

112,217
DESIGN FOR A FLOOR LAMP
Hilyard R. Robinson, Washington, D. C., and Aksel J. C. Knudstrup, Vienna, Va.
Application August 3, 1938, Serial No. 79,071
Term of patent 7 years



The ornamental design for a floor lamp, as shown and described.

112,218
DESIGN FOR A FLOOR LAMP
Hilyard R. Robinson, Washington, D. C., and Aksel J. C. Knudstrup, Vienna, Va.
Application August 3, 1938, Serial No. 79,072
Term of patent 7 years



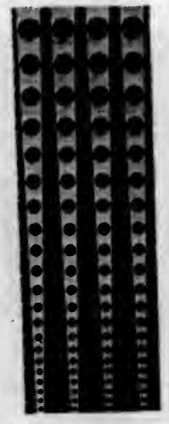
The ornamental design for a floor lamp, as shown.

112,219
DESIGN FOR A BOTTLE
Otto H. Samuelson, Indianapolis, Ind., assignor to Fairmount Glass Works, Incorporated, Indianapolis, Ind., a corporation
Application July 23, 1938, Serial No. 78,676
Term of patent 14 years



The ornamental design for a bottle, as shown.

112,220
DESIGN FOR A TEXTILE FABRIC
Samuel S. Shapiro, New York, N. Y.
Application October 3, 1938, Serial No. 80,199
Term of patent 3½ years



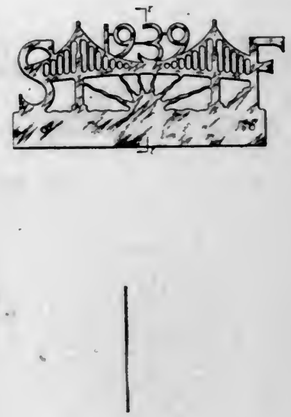
The ornamental design for a textile fabric, substantially as shown.

112,221
DESIGN FOR A TEXTILE FABRIC
Morris Sobelman, St. Louis, Mo.
Application October 5, 1938, Serial No. 80,261
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

112,222
DESIGN FOR A LICENSE PLATE ORNAMENT
Antonio Soletti, San Mateo, Calif.
Application August 11, 1938, Serial No. 79,271
Term of patent 3½ years



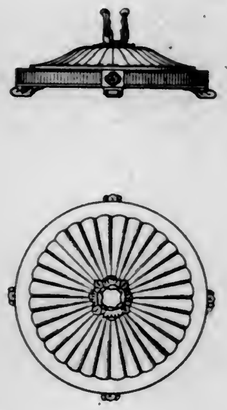
The ornamental design for a license plate ornament, as shown.

112,223
DESIGN FOR WRAPPING PAPER OR SIMILAR ARTICLE
Ludolph P. Welanetz, North Plainfield, N. J., assignor to Koh-I-Noor Pencil Factory, L. S. C. Hardtmuth, Inc., Bloomsbury, N. J., a corporation of New Jersey
Application April 26, 1938, Serial No. 76,755
Term of patent 14 years



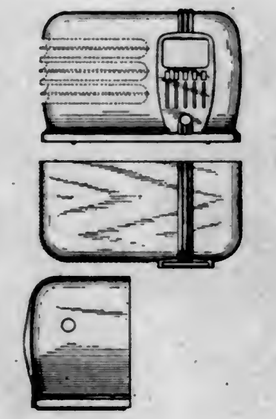
The ornamental design for wrapping paper or similar article, as shown.

112,224
DESIGN FOR A LAMP BASE
Jane Wilcox, Chicago, Ill., assignor to Electrical Testing Laboratories, New York, N. Y., a corporation of New York
Application August 27, 1938, Serial No. 79,600
Term of patent 3½ years



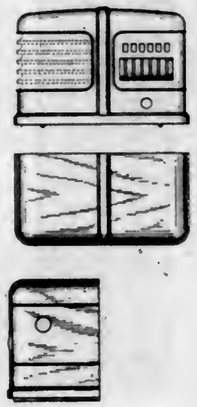
The ornamental design for a lamp base, as shown.

112,225
DESIGN FOR A RADIO RECEIVER CABINET
Louis J. Wronke, Chicago, Ill., assignor to Belmont Radio Corporation, a corporation of Illinois
Application October 5, 1938, Serial No. 80,279
Term of patent 7 years



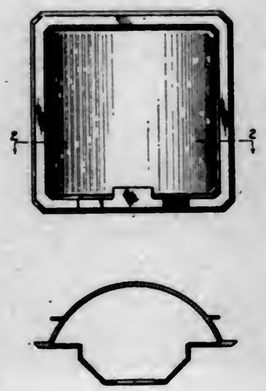
The ornamental design for a radio receiver cabinet, substantially as shown and described.

112,226
DESIGN FOR A RADIO RECEIVER CABINET
Louis J. Wronke, Chicago, Ill., assignor to Belmont Radio Corporation, a corporation of Illinois
Application October 5, 1938, Serial No. 80,280
Term of patent 7 years



The ornamental design for a radio receiver cabinet, substantially as shown and described.

112,227
DESIGN FOR A SOAP HOLDER OR SIMILAR ARTICLE
John A. Zapf, Ottawa Hills, Ohio, assignor to Gerity Adrian Manufacturing Corporation, Adrian, Mich., a corporation of Michigan
Application March 1, 1938, Serial No. 75,486
Term of patent 7 years



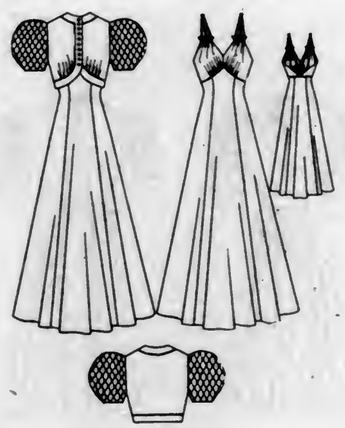
The ornamental design for a soap holder or similar article, as shown.

112,228
DESIGN FOR A PINCUSHION
Penelope Cecil, St. Louis, Mo.
Application August 24, 1938, Serial No. 79,545
Term of patent 3½ years



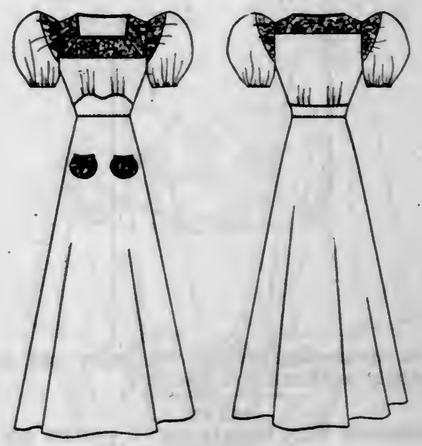
The ornamental design for a pincushion, as shown.

112,229
DESIGN FOR A DRESS ENSEMBLE
Alice Engel, New York, N. Y.
Application July 11, 1938, Serial No. 78,390
Term of patent 3½ years



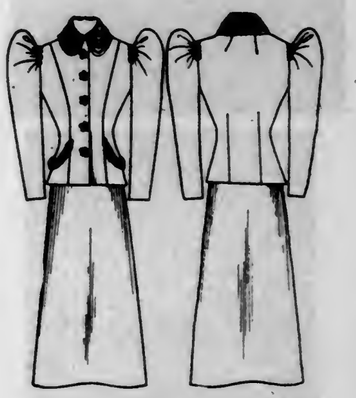
The ornamental design for a dress ensemble, substantially as shown.

112,230
DESIGN FOR A DRESS
Alice Engel, New York, N. Y.
Application September 3, 1938, Serial No. 79,739
Term of patent 3½ years



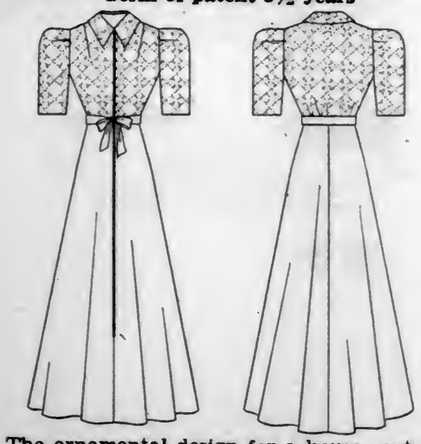
The ornamental design for a dress, substantially as shown and described.

112,231
DESIGN FOR A SUIT
Simon Etkin, New York, N. Y.
Application July 16, 1938, Serial No. 78,527
Term of patent 3½ years



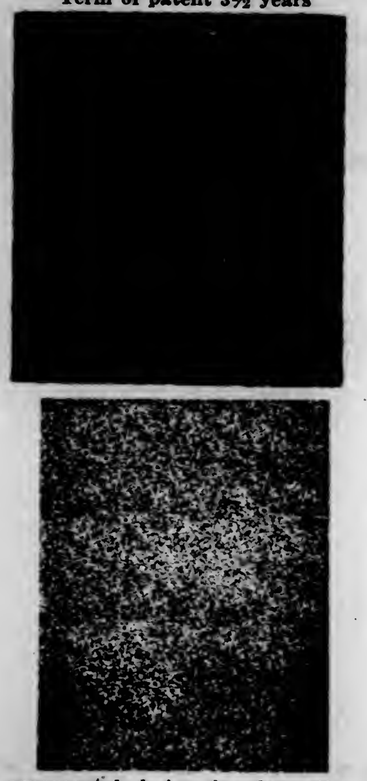
The ornamental design for a suit, substantially as shown.

112,232
DESIGN FOR A HOUSE COAT
Irving Geist, New York, N. Y.
Application September 15, 1938, Serial No. 79,911
Term of patent 3½ years



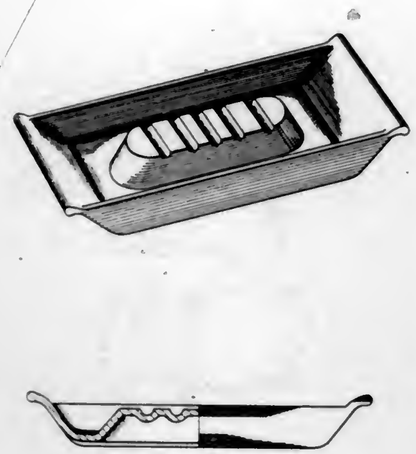
The ornamental design for a house coat, substantially as shown and described.

112,233
DESIGN FOR DECORATIVE PAPER OR SIMILAR ARTICLE
Donald C. Miller, Paterson, N. J., assignor to Frank M. Sayford Co., Inc., Brooklyn, N. Y.
Application April 29, 1937, Serial No. 69,054
Term of patent 3½ years



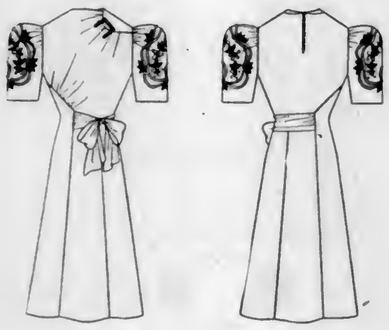
The ornamental design for decorative paper or similar article, as shown and described.

112,234
DESIGN FOR AN ASHTRAY
James A. Murphy, Detroit, Mich.
Application March 25, 1938, Serial No. 76,098
Term of patent 3½ years



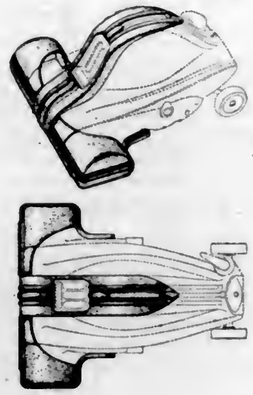
The ornamental design for an ashtray, as shown.

112,235
DESIGN FOR A DRESS
Charlotte Marie Neuhardt, New York, N. Y.
Application October 14, 1938, Serial No. 80,435
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

112,236
DESIGN FOR A PROTECTIVE COVERING FOR A VACUUM CLEANER CASING OR THE LIKE
Malcolm S. Park, Mount Kisco, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application August 17, 1938, Serial No. 79,409
Term of patent 7 years



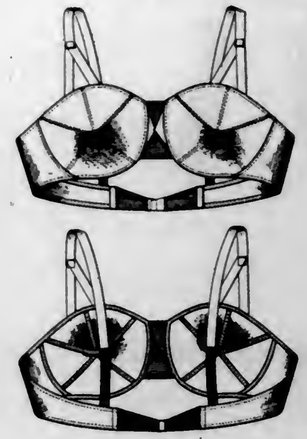
The ornamental design for a protective covering for a vacuum cleaner casing or the like, as shown and described.

112,237
DESIGN FOR A DRESS
David William Price, New York, N. Y.
Application October 14, 1938, Serial No. 80,436
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

112,238
DESIGN FOR A BRASSIÈRE
William Rosenthal, New York, N. Y., assignor to Maiden Form Brassiere Company, Inc., New York, N. Y., a corporation of New York
Application November 18, 1937, Serial No. 72,988
Term of patent 14 years



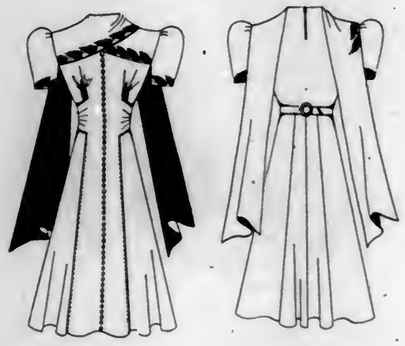
The ornamental design for a brassière, as shown and described.

112,239
DESIGN FOR A BATH MITT
Apollonia M. Schroeder, Kansas City, Mo.
Application August 17, 1938, Serial No. 79,401
Term of patent 14 years



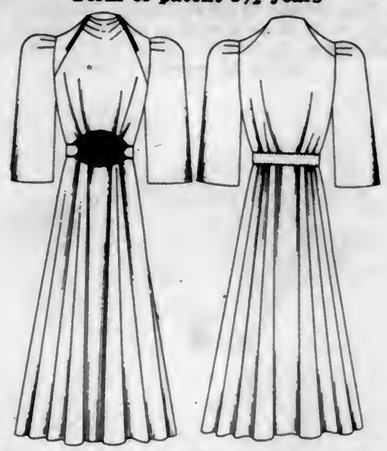
The ornamental design for a bath mitt, as shown and described.

112,240
DESIGN FOR A DRESS
Eleanor Wein, Cincinnati, Ohio
Application October 17, 1938, Serial No. 80,482
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

112,241
DESIGN FOR A DRESS
Joseph Zinn, New York, N. Y.
Application October 17, 1938, Serial No. 80,500
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

THE
OFFICIAL GAZETTE
OF THE
United States Patent Office

Vol. 496—No. 4 TUESDAY, NOVEMBER 22, 1938 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.
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Trade-Marks	143	No. 362,522 to No.	362,664, inclusive.
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Labels	33	No. 52,122 to No.	52,154, inclusive.
Prints	7	No. 17,130 to No.	17,136, inclusive.
Reissues	6	No. 20,922 to No.	20,927, inclusive.
Patents	778	No. 2,137,219 to No.	2,137,996, inclusive.
Designs	86	No. 112,242 to No.	112,327, inclusive.
Total	1,072		

Disclaimers

Re. 20,133.—*Peter H. Kuyper*, Pella, Iowa. VENETIAN BLIND CONSTRUCTION. Patent dated October 20, 1936. Disclaimer filed October 28, 1938, by the assignee, *Rolscreen Company*.

Hereby enters this disclaimer to claim 9 of said specification.

1,785,402.—*Einar M. Arentzen*, Franklin, Pa. ARTICULATED CONVEYER. Patent dated December 16, 1930. Disclaimer filed October 29, 1938, by the assignee, *Joy Manufacturing Company*.

Hereby enters this disclaimer to that part of the claims in said specification which is in the following words:

In claim 1, we disclaim

"a conveyer adapted to travel over said decks longitudinally thereof and between said flanges for the conveyance of material,"

except where said conveyer comprises a single endless chain that extends around said decks so as to lie above and below the same in a plane substantially vertical thereto.

In claim 2, we disclaim

"an endless chain connected and transmitting motion to said scrapers"

except where said chain extends around said decks so as to lie above and below the same in a plane substantially vertical thereto.

In claim 3, we disclaim

"an endless chain connected to said scrapers and transmitting movement thereto,"

except where said chain extends around said decks so as to lie above and below the same in a plane substantially vertical thereto and where said scrapers extend transversely of said decks into proximity with the vertically extending flanges on the upper side thereof.

1,993,173.—*Peter H. Kuyper*, Pella, Iowa. VENETIAN BLIND CONSTRUCTION. Patent dated March 5, 1935. Disclaimer filed October 28, 1938, by the assignee, *Rolscreen Company*.

Hereby enters this disclaimer to claims 1, 6, 12, 13, and 14 of said specification.

2,017,074.—*Frank H. Prescott*, Anderson, Ind. ENGINE STARTER. Patent dated October 15, 1935. Disclaimer filed October 27, 1938, by the patentee; the assignee, *General Motors Corporation*, consenting.

Hereby enters this disclaimer to claims 4, 5, and 6.

2,058,159.—*Peter H. Kuyper*, Pella, Iowa. VENETIAN BLIND STRUCTURE. Patent dated October 20, 1936. Disclaimer filed October 28, 1938, by the assignee, *Rolscreen Company*.

Hereby enters this disclaimer to claims 2 and 7 of said specification.

2,092,913.—*Augustus H. Fiske*, Warren, R. I. DETERGENT COMPOSITION. Patent dated September 14, 1937. Disclaimer filed October 22, 1938, by the assignee, *Rumford Chemical Works*.

Hereby enters this disclaimer to claim 4.

Classification Bulletin No. 74

Classification Bulletin No. 74 is now available and may be purchased from the Superintendent of Documents, United States Government Printing Office.

Condition of Applications Under Examination at Close of Business November 5, 1938

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 46,840; Trade-Mark Division, 1,324. Oldest new case, Feb. 12, 1938; oldest amended, Feb. 10, 1938.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application awaiting office action: New	Oldest amended application awaiting office action: Amended	No. of applications awaiting action
6624	1. TUCKER, M. (Act.), Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	May 9	May 21	832
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	May 26	June 3	911
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Aug. 25	Aug. 29	367
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	June 23	June 1	555
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Aug. 5	Aug. 8	540
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	May 2	Apr. 27	1,206
5725	7. JARBOE, C. G., Optics; Photography	July 26	July 28	925
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	June 25	June 27	932
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Aug. 8	Aug. 5	537
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	July 1	July 2	621
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	July 14	July 14	514
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	Feb. 12	Feb. 10	833
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	June 23	June 23	606
5097	14. YUNG KWAI, B., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Aug. 19	Aug. 17	456
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	June 25	June 25	1,121
5716	16. SPENCER, C. J., Telegraphy; Telephony	May 19	May 10	879
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	June 6	June 17	702
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	June 3	May 23	586
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	June 21	June 23	733
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	July 11	July 20	429
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Aug. 5	Aug. 6	440
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	July 21	July 22	638
7624	23. BUTTNER, W. J., Registers (part)	Apr. 4	Mar. 10	320
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Aug. 9	Aug. 9	544
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	July 9	July 8	586
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	July 5	July 6	564
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment	May 2	Apr. 29	1,150
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	June 18	May 31	548
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	May 28	May 28	780
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	May 14	May 12	884
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Aug. 5	Aug. 5	661
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	July 27	July 25	598
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	June 17	June 30	837
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	July 14	July 20	333
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	June 27	June 27	761
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	May 20	May 24	651
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	May 2	May 2	906
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Plastic Compositions.	Apr. 11	Apr. 12	701
4878	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	June 20	June 16	639
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	June 4	June 4	1,422
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	July 21	July 28	271
5882	42. CUTTING, H. O., Electric Signaling	Mar. 29	Mar. 21	835
4886B	43. KLINGE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	July 1	July 1	526
4087B	44. HARVEY, L. P., Refrigeration	June 9	June 8	708
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	May 24	June 16	789
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	June 11	June 22	657
6082	47. LOWE, E. R. (Act.), Clutches; Brakes	July 1	June 29	594
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	July 15	July 13	538
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Apr. 6	Apr. 11	1,084
4701	50. BLAKE, C. L., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	May 25	May 25	1,108
5628	51. BACKUS, C. D., Radiant Energy (part)	July 26	July 26	806
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Aug. 4	Aug. 3	833
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	July 20	July 22	642
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Aug. 3	Aug. 2	451
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	May 10	May 14	1,302
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	June 10	June 8	1,065
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horse-shoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	June 20	June 25	536
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Aug. 5	Aug. 4	361
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	July 12	July 15	746
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	June 20	June 22	541
6724	61. PARKS, G. E., Laminated Electrical Insulation; Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	May 25	May 18	611
5621	62. PUGH, E. C., Games; Geometrical Instruments	July 29	Aug. 1	561
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	June 21	June 24	487
4708	64. NASH, F. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	June 16	June 15	1,091
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	May 14	May 13	679
2099B	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND (Trade-Marks	Sept. 26	Oct. 12	768
	(Labels and Prints	Oct. 1	Oct. 17	1,240
2605	DESIGNS: H. H. KALUPY	Oct. 29	Oct. 29	84

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE MONSON

No. 3,991. Decided June 6, 1938

[97 F.(2d) 179]

PATENTABILITY—PROCESS FOR CLEANING DRILLED OIL WELLS.

Certain claims for a process for cleaning drilled oil wells *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. Wells L. Church and *Messrs. Mason and Mason* (*Mr. John M. Mason* of counsel) for Monson.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

BLAND, *J.*:

Claims 1, 5, 9, 13, 19, and 20 of appellant's application for a patent process for cleaning drilled oil wells were rejected by the Primary Examiner of the United States Patent Office, and upon appeal to the Board of Appeals his rejection was affirmed except as to claims 5, 13, 19, and 20 which were allowed. Appellant has appealed here from the decision of the Board as to claims 1 and 9.

Claim 1 is illustrative and reads:

1. A process for the removal of mud sheaths from wells, which consists in the application thereto of a reagent consisting of a relatively stable aqueous dispersion, in which the disperse phase is a water-insoluble organic liquid capable of acting as an oil solvent, and the continuous aqueous phase contains an organic detergent-like material.

The references relied upon by the Examiner are: Wolever, 1,476,747, December 11, 1923; Campbell, 1,513,371, October 28, 1924; Carpmael (British), 327,968 of 1930.

Appellant's invention is a process of cleaning drilled wells. In drilling wells, more particularly in drilling with a rotary drill, a clay-water suspension is circulated in the bore hole. Aside from the mud being used as a carrier of drilled particles, one of the functions of the mud is to "plaster up" the walls of the bore hole so as to form an adhering sheath on the walls and thereby support the same. When the oil is reached, the mud and oil form a sticky mass. In order to get full production, this sheath of mud and oil must be removed from the face of the producing sand.

Appellant's process is to prepare an emulsion or a dispersion of a water insoluble oil solvent, in water, and to make the emulsion stable he adds a water soluble emulsifying agent. Among such agents is any sulphonated organic material, such as soap. The emulsion is introduced into the well and agitated. It penetrates the sheath, and the solids are suspended in the detergent agent which suspension may be removed from the well.

Both appealed claims call for the use of a composition of matter which is an emulsion composed of a water insoluble liquid which is an oil solvent, in water, and which has an organic detergent material acting to stabilize the emulsion. The emulsion is introduced into a well with agitation and is taken from the well with the material to be removed.

The claims were rejected by the Examiner as failing to define any invention over Campbell in view of Wolever and Carpmael. Carpmael was cited with reference to the claims which the Board allowed and needs no consideration here.

The Board agreed with the Examiner in his rejection of claims 1 and 9, pointing out that these claims do not substantially distinguish from the Campbell patent. The Board said:

Claims 1 and 9 which are more broadly drawn, we do not consider substantially distinguish from the Campbell patent. Obviously Campbell in describing the cleaning of the clogged pores of producing sand, refers to circulation of a cleaning fluid through the well. The cleaning fluid is so broadly defined in these claims we are not satisfied they clearly and patentably distinguish over the art.

The Board pointed out that the Wolever patent is cited simply to show that agitation of a cleaning fluid has been suggested by the art.

Claim 1 of the Campbell patent reads:

1. In a process for removing deposits from pipe lines used for conveying crude oil, the step of passing through the lines a composition consisting of soda ash, sal soda, sodium bicarbonate and naphtha dissolved in water.

Referring to the composition, Campbell stated:

• • • and when run through the tubings and casings it will cleanse same as well as open the clogged pores of the producing sand, thereby increasing production.

Appellant in a request for reconsideration before the Board stressed the fact that Campbell was chiefly concerned with cleaning pipe lines. Upon reconsideration the Board said:

It is urged that Campbell's cleaner was for a different purpose and while we, in our decision, referred to the fact that Campbell only incidentally described the cleansing of the clogged pores of the producing sand, yet we rejected claims 1 and 9, the broad claims in the case which call for removal of mud sheaths from wells. These claims recite a relatively stable aqueous dispersion, in which the disperse phase is a water-insoluble organic liquid capable of acting as an oil solvent and containing an organic detergent-like material. It is apparent from appellant's brief that he intends to cover such low priced materials as common soap. He is urging, therefore, that inasmuch as common soap is not referred to in the prior art for the removal of mud sheaths from wells, he is entitled to a patent for such use.

It is our view that the cleaning fluid employed by Campbell would probably be more effective than common soap in acting on oily matter and inasmuch as soap is so commonly employed as a cleaner, we are unwilling to concede that it is more than an equivalent of the cleaner described by Campbell. Having tried materials as disclosed by Campbell, it might be suggested to try other common cleaning materials. It may be conceded that some of the constituents of the Campbell cleaner are not organic liquids water-insoluble, although that does not apply to naphtha. The claim in calling for a relatively stable aqueous dispersion is not definitely distinguishing from the cleaning compound of Campbell which might be stable for a time. • • •

We have given careful consideration to all the arguments of appellant's counsel and are not convinced that the Board was in error in rejecting said claims 1 and 9 for the reasons stated. It seems to us that the principal argument of counsel for appellant is to the effect that the Campbell patent is not properly prior art and should not be regarded as prior art in the cleaning of oil wells. We agree with the Board that appellant has suggested nothing inventive over what Campbell taught and that the patent to Campbell is analogous art. Surely it

would not be inventive, in view of Campbell's use of soda and the other materials he mentions, to try the common expedient of removing oil or an oily substance with common soap.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

FELDMEIER AND ASTLE *v.* MOJONNIER

FELDMEIER AND ASTLE *v.* CORNELL, JR.

Nos. 3,950 and 3,951. Decided May 31, 1938

[97 F.(2d) 124]

INTERFERENCE—PRIORITY.

Record reviewed and *Held* in each case that F and A, the junior party, failed to establish a successful reduction to practice prior to the filing of their involved application, that if they were the first to conceive they were not diligent in their efforts to reduce the invention to practice until after the filing dates of the senior parties, and that priority was properly awarded to the senior parties M and C, respectively.

APPEALS from the Patent Office. Affirmed.

Messrs. Parker, Prochnow and Farmer (*Mr. Charles W. Parker* and *Mr. Frank Parke Davis* of counsel) for Feldmeier and Astle.

Mr. Thomas H. Ferguson for Mojonnier.

Messrs. Kenyon and Kenyon (*Mr. L. O. Hutchinson* and *Mr. Lee B. Kemon* of counsel) for Cornell, Jr.

HATFIELD, *J.:*

These are appeals in interference proceedings from the decisions of the Board of Appeals of the United States Patent Office affirming the decisions of the Examiner of Interferences awarding priority of invention to appellee, Julius J. Mojonnier in interference No. 65,224, and appellee Fritz G. Cornell, Jr., in interference No. 67,605.

Appellants introduced considerable evidence in interference No. 65,224, which, by stipulation by counsel for the parties, was made a part of the record in interference No. 67,605. Inasmuch as that evidence is relied upon by appellants in each of the involved interferences, we shall dispose of the issues in one opinion.

For the purpose of the hearing in this court, the records in the interferences were consolidated.

Appeal No. 3,950

The interference is between appellants' application, No. 577,829, filed November 28, 1931, and appellee Mojonnier's application, No. 506,164, filed January 2, 1931.

Appellants are the junior parties and the burden was upon them to establish priority of invention by a preponderance of the evidence.

The invention relates to a heat exchanger for liquids, such as milk, as defined in counts 1 to 6, inclusive.

Of the involved counts, Nos. 2 and 3 are illustrative. They read:

2. A heat exchanger for liquids such as milk comprising a plurality of sections hinged at corresponding ends of the several sections to swing laterally relatively to one another away from operative positions in which they stand close together side by side to positions in which the sections are accessible for cleaning, means for supplying a heat exchange medium to the several sections and operable to permit said swinging movement of said sections, means for delivering the liquid separately to said several sections when in their operative positions, the said sections being movable relatively to the liquid delivering means, and means for properly alining the sections in their operative positions relatively to said liquid delivery means.

3. A heat exchanger for liquids such as milk comprising a plurality of sections, means mounting said sections for movement laterally relatively to one another to and from operative positions in which they are arranged close together side by side, means for delivering liquid to said sections when in their operative positions, said sections being arranged in vertical groups each comprising a plurality of said sections disposed one above the other, the sections in each group being independently movable laterally, means for supplying a heat exchange medium to the corresponding sections of different vertical groups, and means for supplying a different heat exchange medium to other corresponding sections of different vertical groups.

Stipulated testimony was submitted on behalf of appellee.

The Examiner of Interferences held that that testimony was sufficient to establish conception of the invention by appellee as early as November 12, 1930, but was not sufficient to establish a reduction of the invention to practice, and that appellee was, therefore, restricted to January 2, 1931, the filing date of his application, for constructive reduction to practice.

Due to the issues in the case and the views we hold with regard thereto, we deem it unnecessary to discuss the testimony submitted by appellee.

Appellants rely on an experimental apparatus, claimed to have been constructed in conformity with the appealed counts and successfully operated in November and December, 1928, for conception and reduction to practice. Appellants submitted in evidence Exhibit No. 2, which consists of so-called "test sheets." Sheets 3 to 7 of the exhibit, it is claimed, contain data indicating the successful operation of the apparatus. However, as was pointed out by the Board of Appeals, there is nothing in that exhibit to indicate the structure of the apparatus alleged to have been constructed and successfully tested by appellants in November and December 1928, except the following notation appearing at the top of sheets 3 to 7, inclusive:

Surface Cooler Test
1½'' x 4' x 16 Tube 4 Sects.,

which, obviously, is not sufficient to disclose a structure conforming to any of the counts in issue.

One of the purposes of the tests to which the experimental apparatus was subjected was, as appears from the testimony of appellants and their witnesses, to determine the "capacity and cooling efficiency" of a "hinged cabinet cooler" having a plurality of heat exchange sections, as compared with a cooler composed of a single section.

Appellants' experimental apparatus is described in the testimony of one of the joint inventors, William Astle, who stated that it was constructed in the test laboratory of the Cherry-Burrell Corporation, assignee of appellants' application, and that it—

* * * was made up of four of our standard surface cooler coils hinged together by standard pipe fittings and unions in such a way that it could be opened up for cleaning purposes, and etc. On the top of these units we had four distributor pipes one over each coil. These distributor pipes were perforated to permit the distribution and were fastened together or soldered together by a clamp which fit over the headers of the four coils. The hinges through which the circulation to the inside of the coils passed was made up of standard pipe fittings and ground joint unions, with the unions assembled in the vertical position. The circulation through these units or coils was fed by a manifold connection both on the inlet and discharge. The complete assembly was set upon a plate resting upon a couple of wooden horses with two standards connected to the feed pipes. The units were clamped together in their manifold position by an ordinary wooden clamp, which was put there for the purpose while we were making temperature and capacity tests. The water came off the coils into a galvanized trough with a bottom outlet so as to catch the multiflow over all the coils for taking the capacities. This trough was made of galvanized iron and set into the boiler plate. The boiler plate was made wide enough for this purpose so the coils could be swung open and during the run for the observation of the flow over the inside of the coils.

Appellants and their witnesses agree that water was used instead of milk in making the tests, because, as stated by one of the joint inventors, Feldmeier,

"that is our customary practice based on the fact that the heat transfer results are so close that it has not been found necessary to use milk, for test purpose, but only in cases where the matter of coating of heating or cooling surfaces due to precipitation of milk is involved."

It appears that the apparatus described by the witness Astle was dismantled shortly after the tests were made, some of the parts being returned to the stock room and others, made specially for the test, were, as stated by the witness Astle, probably thrown "in the scrap pipe," which, he stated, was the usual procedure.

No drawings of any kind were ever made disclosing that apparatus until shortly after the declaration of the involved interference (December 7, 1932) when appellants' Exhibit No. 3, a drawing made under the direction of the joint inventor Astle and in conformity with his recollection of the apparatus, was completed on December 16, 1932. That drawing was made at the request of counsel for appellants and can be considered only for the purpose of illustrating the apparatus, which, appellants and their witnesses testified, was constructed and tested in November and December, 1928.

On July 18, 1929, one of the joint inventors, Feldmeier, wrote a letter (appellants' Exhibit No. 4) to the patent attorneys of the Cherry-Burrell Corporation, "Parker & Prochnow," relative to the filing of an application for a patent for a cabinet milk cooler, in which the following statement appears:

We have considered various ways of pulling the sections apart for cleaning. They might be hinged, or they might be pulled out endwise, as in the Price, but *we believe the most practical way is as we have shown with the sections slidably hung from supporting bars near the top, so they can be pulled out sidewards.* [Italics ours.]

There is no disclosure in that exhibit of a structure conforming to any of the counts involved in this interference. It appears therefrom, however, that Mr. Feldmeier then was of opinion that, although the heat exchange sections might be hinged, the most practical way of constructing them for cleaning purposes was to have them "slidably hung from supporting bars near the top, so they can be pulled out sidewards."

It appears that a patent application was filed on October 14, 1929, by Mr. Feldmeier as the sole inventor. That application matured into Patent No. 1,840,573 on January 12, 1932.

The record is somewhat confusing, as well as is the brief of counsel for appellants, due to the fact that it is claimed by their counsel that appellants are entitled to some consideration for the fact that they gave the apparatus disclosed in their patent to the public.

It was held by each of the tribunals of the Patent Office, and it is conceded by counsel for appellants that the multiple sections disclosed in the Feldmeier patent are "arranged to slide rectilinearly apart," and not hinged to swing or move laterally relative to one another, as set forth in the involved counts.

It clearly appears that the invention defined in the appealed counts is not disclosed in appellants' patent. Nor is there any evidence of record tending to establish appellants' conception of the involved invention, unless the evidence relating to the construction and operation of the experimental apparatus in November and December, 1928, can be so considered.

It appears from the record that the Jensen Creamery & Manufacturing Co. (the assignee of Fritz G. Cornell, Jr., the appellee in interference No. 67,605, who was originally a party in this interference but, due to the fact that he failed to appeal from an adverse decision by the Examiner of Interferences, is no longer a party thereto), exhibited a cabinet cooler having a plurality of hinged heat exchange sections at a dairy show in Atlantic City in October, 1931; that that cabinet cooler was seen by the appellants and by Mr. Loomis Burrell, chairman of the Board of Directors of the Cherry-Burrell Corporation; and that as a result of seeing the Cornell cabinet cooler, appellants had their involved application prepared and filed in the Patent Office.

We deem it unnecessary to discuss all of the evidence in the case, or to state and discuss all of the arguments made by counsel for the parties.

It is clear from appellants' Exhibit No. 3, and from the testimony of appellants and their witnesses, that the apparatus constructed and operated in November and December, 1928, did not disclose a plurality of sections "arranged in vertical groups," as set forth in counts 3 and 4, nor a "plurality of vertical groups of heat exchange sections," as called for in counts 5 and 6. Accordingly, we must hold that appellants have failed to establish conception of the invention defined in counts 3 to 6, inclusive, prior to the filing of their application—November 28, 1931.

We turn, therefore, to a consideration of the question of whether the construction and testing of appellants' experimental apparatus in November and December, 1928, is sufficient to establish conception and reduction to practice of the invention defined in counts 1 and 2.

It should be borne in mind that one of the purposes of the tests performed by appellants was to determine "the capacity and cooling efficiency" of a "hinged cabinet cooler" having one group consisting of a plurality of heat exchange sections, as

compared with a cabinet cooler composed of a single section.

It is true that appellants' witnesses were all employees of appellants' assignee and that they testified approximately five and one-half years after the happening of the events concerning which they testified, nevertheless, we are of opinion that, although they had the advantage of Exhibit No. 3 (which, as hereinbefore noted, was prepared shortly after this interference was declared), their testimony was sufficient to establish that an apparatus similar to that shown in Exhibit No. 3 was constructed and operated in November and December, 1928, and that, as shown by the test sheets in Exhibit No. 2, satisfactory cooling could be produced.

The tribunals of the Patent Office concurred in holding, as we understand their decisions, that the construction and operation by appellants of their experimental apparatus in November and December, 1928, were sufficient to establish conception of the invention defined in counts 1 and 2 as early as November 5 of that year. They concluded, however, that the heat exchange sections were not swung laterally relative to one another away from their operative positions during the testing operation of that apparatus so that they were accessible for cleaning; that appellants had failed to establish a successful reduction of the invention to practice prior to their filing date, November 28, 1931; that as there was no evidence that they had made any effort to reduce the invention to practice prior to October, 1931, when they were spurred into activity by having seen the Cornell disclosure at the dairy show in Atlantic City, they were lacking in diligence from immediately prior to the filing of appellee's application, January 2, 1931, and thereafter, until October of that year; and that, therefore, appellee was entitled to an award of priority.

The Examiner of Interferences stated in his decision that, if it should be held on appeal that appellants had reduced the invention to practice during November and December, 1928, the doctrine of suppression and concealment of the invention, as applied in the case of *Mason* v. *Hepburn*, 13 App. D. C. 86, 84 O. G. 147, was applicable to the facts and circumstances in the instant case, and that, therefore, appellants were estopped as against appellee to assert claims to the involved invention.

In its decision, the Board of Appeals held that the doctrine of suppression and concealment, as applied in the *Mason* v. *Hepburn* case, supra, was not applicable to the instant case, and, in support of its holding, cited *Stresau* v. *Ipsen*, 22 C. C. P. A. (Patents) 1352, 77 F.(2d) 937, 461 O. G. 734.

If the testimony of appellants and their corroborating witnesses is entitled to any consideration, and we think it is, the experimental apparatus constructed by appellants in November and December, 1928, had four "16 tube" heat exchange sections, hinged by standard pipe fittings and unions. The real question in the case, therefore, is whether the experimental apparatus was so constructed that the heat exchange sections could swing laterally relative to one another so as to make them accessible for cleaning.

Mr. Feldmeier, one of the joint inventors, testified that, although he did not examine the apparatus in detail, as he was interested only in results of the tests, the heat exchange sections could have been moved far enough apart so as to permit inspection and cleaning, but not far enough apart for a man to get in between them.

Mr. Astle, one of the joint inventors, testified that the heat exchange sections or coils in the experimental apparatus "could be swung apart but not as far apart as what they would be for *normal operation* of cleaning," but that they could have been swung far enough apart to make them accessible for cleaning. [Italics ours.] When asked whether the heat exchange sections or coils were actually swung laterally apart during the testing of the apparatus, the witness said:

"I opened the sections apart to examine them before releasing the pipe fitters from the job. *I merely opened these up far enough to see that they would open, so that we could properly see the distribution over the coils.*" [Italics ours.]

The witness Arthur E. Dygert, employed as a mechanic by appellants' assignee, testified that during the testing of appellants' apparatus he opened the outside heat exchange sections to see "*how the water was distributing over the two inside sections.*" [Italics ours.] He then testified on direct examination as follows:

Q. 29. Was there any other advantage in opening the sections up, in connection with the contemplated use of the apparatus?
A. *Not that I know anything about.*
Q. 30. Did you discuss the advantage of cleaning in connection with the opening of the sections, with anyone?
A. It was talked about at the time, but I do not know who spoke about it. [Italics ours.]

The witness Roland J. Wightman, sales engineer for appellants' assignee, testified that he observed the testing of appellants' experimental apparatus in November and December, 1928; that the heat exchange sections were opened "to check distribution over them and to see if they could be properly cleaned"; that he saw the "outside sections moved away from the next ones and closed up again"; that the witness Arthur E. Dygert was making the tests at that time; and that the sections were normally in closed position. When asked "* * * did you ever see the inner units moved from their parallel relation?" he replied: "We opened them about an inch to look between the sections." The witness further stated that to the best of his recollection the outer sections were moved about "a foot and a half to two feet at the outer end." He then testified as follows:

R. XQ. 2. Approximately what was the maximum arc through which these inner units could be swung?
A. My answer would *be a guess* of a 90 degree included angle, each could be swung 45 degrees from its normal position. [Italics ours.]

Although appellants and their corroborating witness Wightman stated that the heat exchange sections in appellants' experimental apparatus could have been swung laterally apart sufficiently to permit them to be cleaned, there is no evidentiary basis for such a conclusion, and it is clear from the testimony that they were not actually so moved.

Counsel for appellee contends that there is nothing in appellants' descriptions of their experimental apparatus, nor in those of their corroborating witnesses, to indicate that that apparatus was so constructed that the heat exchange sections could have been swung laterally relative to one another so as to make them accessible for cleaning. In this connection it is argued that the heat exchange sections were supported by a plate resting upon two wooden horses, that it would have been necessary in separating them to slide them over the plate, and that there is nothing to show that, if the sections had been swung far enough apart to make them accessible for cleaning, the hinged or swivel joints connecting them were sufficiently strong to prevent them from sagging and causing leakage at the joints. Many other arguments are presented by counsel for appellee, which, due to the views we hold, need not be stated.

The Board of Appeals was of opinion that there was nothing in the record to establish that the heat exchange sections could have been swung far enough apart laterally to make them accessible for cleaning without causing sagging, distortion, and leakage in the "swiveled joint" connections. We quote from the decision of the Board:

It is also apparent that in the structure shown in Exhibit 3 it would be impossible to support the cooling elements from these swiveled joints for the weight of such elements would cause sagging and distortion of the connections. For the purpose of preventing this, the sections are supported on a table and it is presumed that in separating the sections they were slid over the surface of the table. We are of the opinion that this does not satisfy the limitations in counts 1 and 2 wherein it is stated that the sections are hinged so as to swing laterally. If the hinge structure is not strong enough to sustain the weight of the cooler section it cannot be said that it acts as a hinge. It is well known that the regulations of health departments are very strict in the matter of apparatus used in handling milk and it is essential that coolers of this type be so constructed that the various parts may be either disassembled or separated a sufficient distance apart to permit thorough cleaning and inspection. * * * The testimony before us is not convincing that this cooler would admit of such opening as to permit the cooling and inspection operation to be carried out. Even admitting that the sections were moved apart sufficiently in order to determine whether or not the water being cooled was being evenly distributed over the inner surface of the cooler as well as the outside, this does not mean that the sections were opened wide enough for thorough cleaning and inspection. *Nowhere is it contended that these sections were swung out free of the table probably for the reason that the hinge structure would not support the weight of the sections.* [Italics ours.]

We think it is clear from the record that appellants have failed to establish that the heat exchange sections in their experimental apparatus were swung far enough apart laterally to make them accessible for cleaning, and that the most that has been established in this regard is that the sections were separated to such an extent only that the witnesses making the tests might determine whether there was a proper distribution of the flow of water over those sections.

Assuming, therefore, that the experimental apparatus constructed and tested by appellants and their witnesses in November and December, 1928, is sufficient to establish conception of the invention, it is clear that appellants have failed to establish that they successfully reduced it to practice during that period, or at any time prior to the filing of their involved application—November 28, 1931. In so holding, we deem it unnecessary to enter upon a discussion of the reasons why appellants' experimental apparatus might or might not have operated successfully; it is sufficient to say that appellants failed to establish by a preponderance of the evidence that it did. Accordingly, we are in agreement with the conclusion reached by the tribunals of the Patent Office.

The decision of the Board of Appeals is affirmed.

Affirmed.

Appeal No. 3,951

The interference is between appellants' application No. 577,829, filed November 28, 1931, and appellee Cornell's application No. 540,696, filed May 28, 1931.

Appellants are the junior parties and the burden was upon them to establish priority of invention by a preponderance of the evidence.

The invention relates to a heat exchanger for liquids, such as milk, as defined in the single count in issue, which reads:

A heat exchanger for liquids such as milk comprising a plurality of sections hinged at corresponding ends of the several sections to swing laterally relative to one another away from operative positions in which they stand close together side by side to positions in which the sections are accessible for cleaning, a common supply header for the several sections, hollow hinge connections which provide passages between said header and the several sections, and means for delivering liquid separately to said several sections when in their operative positions.

The invention defined in the count in this interference differs from the invention defined in the counts in interference No. 65,224, appeal No. 3,950, in that the involved count calls for—

"a common supply header for the several sections, hollow hinge connections which provide passages between said header and the several sections";

whereas count 2, for example, of interference No. 65,224 calls for—

"means for supplying a heat exchange medium to the several sections and operable to permit said swinging movement of said sections."

The involved count also differs from counts 3 to 6, inclusive, in that interference in that it does not call for the cooling sections being arranged in vertical groups.

Evidence was submitted by each of the parties.

The Examiner of Interferences held that the stipulated testimony of appellee was not sufficient to establish either conception of the invention or reduction of it to practice prior to his filing date, May 28, 1931; and that, therefore, he was restricted to that date for both conception and constructive reduction to practice.

The tribunals of the Patent Office concurred in holding that the specific structure defined by the appealed count was disclosed in appellants' experimental apparatus constructed and tested during November and December, 1928; that appellants were entitled to a date as early as November 5, 1928, for conception of the invention; that they had failed, however, to establish a successful reduction of the invention to practice during the testing of their experimental apparatus in November and December, 1928; that they had failed to establish diligence in reducing the invention to practice immediately prior

to the filing of appellee's application, May 28, 1931, and thereafter, until some time in October, 1931; and that, therefore, appellee was entitled to an award of priority.

It will be observed that the involved count calls for a plurality of cooling sections, hinged at corresponding ends of the several sections to swing laterally relative to one another to positions in which they are accessible to be cleaned.

The issue in the case is the same as that involved in interference No. 65,224; that is, whether appellants have established that the experimental apparatus was so constructed that the heat exchange sections could swing laterally relative to one another away from their operative positions so as to make them accessible for cleaning.

In our decision in interference No. 65,224 we fully considered the evidence introduced by appellants and held that appellants had failed to establish a successful reduction to practice during November and December, 1928; that they were not diligent in their efforts to reduce the invention to practice from December, 1928, until October, 1931, when they were spurred into activity by seeing appellee's cabinet cooler, which had a plurality of hinged cooling sections, at a dairy show in Atlantic City in October of that year. It is unnecessary, therefore, for us to again review the evidence in the case.

For the reasons stated in our decision in interference No. 65,224, appeal No. 3,950, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE SPITZGLASS AND HANDWERK

No. 3,965. Decided June 6, 1938

[96 F.(2d) 1002]

PATENTABILITY—FUNCTIONAL CLAIMS—CALCULATING DEVICE.

Certain claims for a calculating device in which the "linkage" or "means" by which the dials are made to cooperate is not defined in terms of mechanical arrangement, but rather in terms of function or result *Held* unpatentable in that they are sufficiently broad to include all means capable of making the dials perform in the desired manner, and differ from the prior art only in terms of the result obtained.

APPEAL from Patent Office. Affirmed.

Mr. E. S. Booth (*Mr. M. W. McConkey* and *Mr. Horace Dawson* of counsel) for Spitzglass and Handwerk.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 1, 2, 4, 5, 8, 10, 11, 12, 15, 16, and 18 to 24, inclusive, in appellants' application for a patent for an alleged invention relating to a calculating device. One claim—No. 25—was allowed.

Claims 1 and 23 are illustrative of the appealed claims. They read:

1. A calculating device comprising three coaxial rotatable dials arranged side by side and closely adjacent each other, and a linkage arranged in a compact space which is relatively short in the direction of the axis of the dials and which is close beside said dials within the circumference thereof and connecting said dials and so constructed and arranged that angular movements of two of the dials in direct proportion to two quantities will cause movement of the third dial in direct proportion to the product of those quantities.

23. A calculating device comprising three coaxial rotatable disks, three pinions connected to said disks respectively, gear segments movable about fixed pivots and meshing with said pinions, and links pivoted to said segments and pivotally interconnected in such a manner that angular movements of two of the disks in direct proportion to two quantities will cause movement of the third disk in proportion to the product of those quantities.

The references are: Godefroy, 122,167, December 26, 1871; Fields, 198,934, January 8, 1878; Horine, 1,306,379, June 10, 1919; Spitzglass et al., 2,045,621, June 30, 1936.

Appellants' calculating device is designed to be used in the multiplication and division of figures, and is intended for use by accountants, engineers, and others. It comprises three coaxial rotatable dials, arranged side by side beneath a window in a housing, and connected to each other by means of a novel linkage—

"in such a manner that setting two of them at the quantities to be multiplied automatically sets the third at the product of those quantities. Conversely, setting one dial at the dividend and another at the divisor automatically sets the third at the quotient."

The rims of two of the dials extend beyond the side of the housing so that those dials may be rotated.

In view of the issues in the case, further description of the invention is unnecessary.

The claims were rejected by the tribunals of the Patent Office, as stated by counsel for appellants, on the ground that they "do not define the invention in terms of structure but in terms of function only". Counsel for appellants challenge the correctness of such rejection.

The "linkage" referred to in quoted claim 1 is covered by Patent No. 2,045,621, issued to appellants on June 30, 1936, on an application filed August 28, 1933, which application was copending with appellants' involved application, filed November 27, 1933.

The patent to Horine relates to a "computer", designed to be used in computing figures. It discloses three coaxial dials, movable relative to each other, together with means—

"for controlling the movement of the scales [dials] relative to each other such that the movement of any two scales relative to each other produces the desired corresponding movement of the third scale."

The patentee's dials or scales are not interconnected in the same manner as those in appellants' structure, nor do they produce the same result. However, as stated by the Primary Examiner, which statement is not challenged by counsel for appellants, if the patentee's dials or scales were interconnected by appellants' linkage, the patentee's device would produce the same results as those produced by appellants'.

In his decision, the Primary Examiner stated:

At the outset it is desired to emphasize that the Examiner is not attempting to assert that to arrange the linkage of applicant's prior patent so that cylindrical indicators may be utilized does not make a new and patentable combination. This is evidenced by the allowance of claim 25, but the Examiner does assert very strongly that the rejected claims do not set out the mechanical arrangement of the linkage of his prior patent so that it may operate co-axial cylindrical indicators to obtain the desired result, but state the result itself as the distinguishing feature.

For example, claim 1 claims "a linkage arranged in a compact space * * * so constructed and arranged that angular movements * * * will cause movement etc." Not a single arrangement of one link relative to another; not a single statement of where the pivot points of the links are relatively placed; not a single statement of the parts that cooperate with the sectors that move the cylinders. *Everything novel in the claim is defined in terms of the result obtained by some linkage, but not by any statement of the structural arrangement of the linkage.* It is not deemed necessary to cite authority for this rejection. A patent is granted for a mechanical thing, definitely, even though broadly, stated. To grant a patent on claim 1 would force any kind of linkage whatever that may be devised to pay tribute to a claim that defines no definite mechanism, but establishes its monopoly solely by the result obtained. Note that Horine has three co-axial cylinders that are interconnected for movement. They do not give applicant's result, because they are not interconnected to do so. If they were interconnected by the linkage of applicant's prior patent they would give applicant's result. The claim as said before does not recite the arrangement that gives the result, but depends wholly on the result for differentiation from the prior art. [Italics ours.]

In his decision the Primary Examiner fully analyzed each of the appealed claims, and relative to claims 22, 23, and 24, which, it is claimed by counsel for appellants, clearly and definitely define structure, not function, said:

Claim 22 does set out three coaxial rotatable disks, pinions connected therewith, and gear segments for driving the pivots, but the real meat of the claim is defined only as a "linkage connected to the segments" for obtaining a result. The character of the linkage and how it is connected up with the segments is not defined. Claim 22 is therefore refused.

Claims 23 and 24 approach more nearly to the standard of claim 25, but fall short of it in that the arrangement of floating and fixed pivots of the linkage is defined only in terms of the mathematical result obtained and not in terms of their positions relative to each other. Claims 23 and 24 are therefore properly refused.

The Examiner concluded his decision with the following statement:

It is possible that some of the finally rejected claims could be made patentable in addition to allowed claim 25 by proper recital of structure, and the Examiner will consider this matter if properly presented for his determination. In their present form all claims but claim 25 are thought not to be properly patentable.

The Board of Appeals stated in its decision that "The arrangement of dials * * * to produce a result similar to that of applicants" was old in the art, as disclosed in the patent to Horine, and that the appealed claims were distinguishable from the prior art merely by the functional statements contained in them.

Counsel for appellants contend that as the appealed claims are for a combination of elements, it is unnecessary that the structure of the linkage be set forth therein; that the claims define structure, not merely function; and that it is proper to refer to the elements in a combination claim broadly by the term "means". Counsel have cited authorities which, it is claimed, support their contention.

Our attention is called to the following statement in Walker on Patents, Sixth Edition, section 162*a*:

Where *some* of the *parts* of a combination *operate therein* to *give motion* to *other parts*, which do *the final work* of the combination, it is proper to *specify the former* by the use of such terms as "means", "mechanism", or "devices" for *giving that motion, except when these terms are applied to an element or part which constitutes the essence of the invention.* [Italics ours.]

In the case of *Continental Paper Bag Company* v. *Eastern Paper Bag Company*, 210 U. S. 405, 136 O. G. 1297, one of the authorities relied upon by counsel for appellant, the Supreme Court held that the following claim was not merely for a function, but sufficiently defined mechanical structure:

In a paper bag machine, the combination of a *rotating cylinder* provided with one or more pairs of side forming fingers adapted to be moved toward or from each other, a *forming plate* also provided with side forming fingers adapted to be moved toward or from each other, means for operating said fingers at definite times during the formative action upon the bag tube, *operating means for the forming plate adapted to cause the said plate to oscillate about its rear edge upon the surface of the cylinder during the rotary movement of said cylinder*, the whole operating for the purpose of opening and forming the bottom of the bag tube, and means to move the bag tube with the cylinder. [Italics ours.]

It will be observed that the claim called for a rotating cylinder with one or more pairs of side forming fingers, etc. in combination with a "forming plate" which was also provided with side forming fingers, "means for operating said fingers at definite times," and—

"operating means for the forming plate adapted to cause the said plate to oscillate about its rear edge upon the surface of the cylinder during the rotary movement of said cylinder." [Italics ours.]

The discussion and decision in the case related to the "operating means for the forming plate" etc. In the course of its discussion, the Court said:

Counsel, however, contends that the circuit court, in its decision, virtually gave Liddell a patent for a function by holding that he was entitled to every means to cause the forming plate to oscillate about its rear edge.

The distinction between a practically operative mechanism and its function is said to be difficult to define. Robinson on Patents, § 144, et seq. It becomes more difficult when a definition is attempted of a function of an element of a combination which are the means by which other elements are connected and by which they coact and make complete and efficient the invention. But abstractions need not engage us. The claim is not for a function, but *for mechanical means to bring into working relation the folding plate and the cylinder.* This relation is the very essence of the invention, and marks the advance upon the prior art. [Italics ours.]

It is unnecessary to cite authorities in support of the proposition that in combination claims some elements or parts of the combination, where the relation of such parts is clearly expressed, may properly be referred to by such broad terms as "means" or "mechanism".

In the Continental Paper Bag Company case, supra, the Supreme Court merely held that in the combination there involved the term "means", followed by a statement of the function of such means, sufficiently defined the element or part which brought the cylinder and the folding plate into working relation. The decision in that case was discussed, along with others, by the Circuit Court of Appeals, Sixth Circuit, in the case of *Davis Sewing Mach. Co.* v. *New Departure Mfg. Co.*, 217 Fed. 775, 212 O. G. 1057.

In the case at bar appellants are claiming three coaxial rotatable dials, arranged side by side and closely adjacent each other, in combination with a linkage connecting said dials, the linkage being so arranged and constructed as to make the dials perform in the manner and for the purpose set out in the claims. The dials are shown to be old in the patent to Horine, where they are interconnected for the purpose of accomplishing the result there desired—the computation of figures. Obviously,

the "linkage" referred to in claim 1, which is referred to in the other appealed claims as "means", does not merely serve to provide a working relation for the dials, but, due to its structure, operates them in such manner that the desired result is obtained. Such operation of the dials is dependent upon the construction and arrangement of the linkage. The linkage, therefore, is the very essence of the invention, and, being such, its mechanical structure or the arrangement of its various parts and not merely its function or the result obtained by its use should be set forth in the claims. *Davis Sewing Mach. Co.* v. *New Departure Mfg. Co.*, supra; Walker on Patents, Deller's Edition, vol. 2, p. 790, et seq.

We have examined each of the appealed claims and are in agreement with the tribunals of the Patent Office that the "linkage" or "means" by which the dials are made to cooperate is not defined in terms of mechanical arrangement, but rather in terms of function or result. The claims are sufficiently broad to include all means capable of making the dials perform in the desired manner, and differ from the prior art only in terms of the result obtained. See *Ex parte Paige*, 1887 C. D. 71; *Ex parte Pacholder*, 1890 C. D. 55; *Ex parte Halfpenny*, 1895 C. D. 91, which cases were cited in the decision in the Davis Sewing Mach. Co. case, supra.

For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

KAUFFMAN II. *v.* ETTEN AND HOKE

ETTEN *v.* KAUFFMAN II. AND HOKE

Nos. 3,923 and 3,924. Decided May 31, 1938

[97 F.(2d) 134]

1. INTERFERENCE—INTERPRETATION OF COUNTS.
   "Upon both reason and authority, we hold that where the Board of Appeals of the Patent Office interprets the counts of the interference narrowly, with the declaration that otherwise interpreted they would not be patentable over the prior art, such interpretation must be accepted by us in an interference proceeding such as that at bar."
2. SAME—PRIORITY.
   Record reviewed and *Held* priority properly awarded the senior party H in both cases.

APPEALS from the Patent Office. Affirmed.

Mr. H. C. Lord (*Mr. Charles E. Riordon* of counsel) for Kauffman II.

Mr. John J. Darby, *Mr. Lionel V. Tefft*, and *Mr. Joseph H. Milans* for Etten.

Mr. E. Hume Talbert (*Mr. Francis G. Boswell* of counsel) for Hoke.

GARRETT, *P. J.*:

These are appeals from a decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner of Interferences, in a three-party interference proceeding, awarding priority to the senior party Hoke.

The subject matter relates to improvements in clothes wringers. The function of such subject matter is described broadly in the brief on behalf of the party Kauffman, as follows:

> Clothes wringers are now commonly used in connection with power washing machines and the wringers are also power driven. With the introduction of the power wringers the danger from injury to the operator by the indrawing of a hand, hair or clothes of the operator between the rolls became a matter of immediate concern and very many devices have been invented to avoid such injury or to minimize injury by providing safety releases through which the pressure on the rolls may be instantly relieved. The problem involved is not merely one of providing a mechanical device that will accomplish the release of pressure but involves also a means of effecting such release that is practically instantaneous in its action, that is sensitive to the touch of the operator, and one that may be actuated with certainty by the operator under panic conditions.

Two counts are involved reading, respectively:

> 1. In a wringer, the combination of a frame; rolls mounted in the frame; a top bar; pressure means for the rolls exerting pressure from the top bar; and a safety device comprising a trip bar carried by the top bar extending across the front of the wringer, and means actuated by the trip bar releasing the pressure means.
> 2. In a wringer, the combination of a frame; rolls mounted in the frame; a top bar; pressure means for the rolls exerting pressure from the top bar; and a safety device comprising trip bars carried by the top bar and extending across the front and rear of the wringer, and means responsive to the action of the trip bars releasing the pressure means.

It is necessary at the outset for us to consider and pass upon a question of law; viz.: Whether, where the Examiner of Interferences and the Board of Appeals have concurred in a narrow interpretation of counts involved in an interference, holding that otherwise they would be non-patentable in view of the prior art (no motion to dissolve involving the question of patentability having been made), such interpretation is binding upon this court in an interference proceeding.

In this case all the findings of fact relating to conception and reduction to practice by the respective parties made by the tribunals of the Patent Office, as hereinafter stated, were made upon the basis of their interpretation of the expression "a trip bar * * * extending across the front of the wringer," appearing substantially in both the counts.

The Examiner's discussion and interpretation of the meaning of this expression is as follows:

> The point to be decided is whether "across" is used to denote extent or merely direction.
> In view of the use of the word "extending" it would seem that the intention was to define the length of the bar. Such statements as that a bridge extends across a river or a cable across an ocean clearly denote an extent from one side to the other and it would seem that this would be the normal meaning of the language here in question. While it is true, as stated by Kauffman, that the interfering applications do not show the bar passing from one extreme side of the wringer frame to the other, they do show it passing entirely over the front of the rollers, which form the effective part of the wringer. This extent is not merely arbitrary but serves to protect the entrance to the wringer so that if, for example, a person's hair should be caught, the head would engage the bar and release the upper roller. It is believed, therefore, that the fair and natural meaning of the counts requires that the bar shall extend at least from end to end of the rollers.
> It should be noted that if "extending across" is construed, as urged by Kauffman, as meaning merely that the bar extends in a crosswise direction, the limitation thus imposed would be purely arbitrary since, if the bar may be only an inch or two long it seems to be a matter of indifference whether it extends vertically or horizontally. Moreover, if the counts are thus construed they are found to be literally readable on the patent to Webster, 1,439,655, December 19, 1922, which would constitute a bar to the allowance of the counts to any of the parties. Applying count 1 to this reference, it is found that Webster shows a wringer having a frame (1 to 3), rolls (4 and 9) mounted in the frame, a top bar (15), pressure means (20, 23, 12, 11, 10) for the rolls, exerting pressure from the top bar, and a safety device comprising a trip bar (30) carried by the top bar and means (18) actuated by the trip bar releasing the pressure means. Movement of element 30 operates to trip the toggle and release the latch 18 and hence this element is properly designated a trip bar. Furthermore it will be seen that the member 30 is transverse to the face of the wringer and is of considerable extent (about one half the length of the rolls). Webster shows a similar trip bar (29) on the back of his wringer. It follows that if "extending across" relates merely to direction the counts are fully anticipated by Webster. This fact affords a further basis for considering the counts to be limited to structures in which the bars pass from one end of the rolls to the other and this construction is accordingly adopted.

In its decision the Board said:

> The Examiner has held that the term "across" means "entirely across" while appellant argues that this term may be regarded as indicating a crosswise direction.
> In discussing this question, it may be well to refer to the party Hoke's reduction to practice of October, 1931, in which there is no definite proof as to the length of the roll space of the wringer employed and therefore no proof that the trip bar extended entirely across this space.
> It is our opinion that at times the term "across" is employed in either manner. While we believe that usually it indicates that the thing under discussion extends entirely or at least substantially across something else. It is, we believe, sometimes used merely to indicate a transverse rather than a longitudinal direction.
> As to whether it necessarily means "entirely across" when not employed to indicate direction, we might refer to a sign placed upon a highway to stop or warn travelers. If this sign is not long enough to obstruct the roadway, it would hardly be referred to as a sign "across" the roadway. On the other hand, if it were sufficiently long, so that it would be substantially impossible to pass, it would not be unusual to refer to it as extending "across" the road, even if it fell several feet short of the actual distance.
> In discussing this question, the Examiner has relied heavily upon the prior patent to Webster and we are fully in accord with his views. If "across" is accepted as merely indicating direction, count 1 clearly reads upon that patent and we believe, therefore, that the structure shown in the Kauffman Exhibit E cannot be relied upon as a reduction to practice of the subject matter of the counts.

The brief on behalf of Kauffman sums up the foregoing interpretation as follows:

> The Examiner and the Board held that this phrase, particularly the words "extending across" referred to the length of the trip bar on the theory that "across" meant from end to end of something rather than direction. Notwithstanding this holding they further found that "across the front of the wringer" did not mean entirely across the wringer but at least across the rolls. Thus they included trip bars shorter than the width of the wringer and excluded trip bars less than the width of the rolls. The Board went a little further than this, suggesting but not deciding, that probably the counts would be satisfied with a trip bar materially shorter than the rolls provided it afforded a substantial obstruction to the entrance of the rolls.

Whatever shade of difference there may be in the decisions of the respective tribunals of the Patent Office, the fact remains that they interpreted the counts in the light of the prior art disclosed in the patent to Webster and that they interpreted them narrowly to avoid that prior art.

The interpretation is challenged by Kauffman, who relies for reduction to practice, in the first instance, upon a device introduced in evidence as Kauffman's Exhibit E. This device shows a trip bar approximately two-thirds the length of the rolls. The specific trip bar of the Hoke device upon which the award to Hoke was based by the Examiner of Interferences seems to have been the one introduced as Hoke's Exhibit 7. It was described by the Examiner of Interferences as being of "such size that it would extend from end to end of the rolls of a standard wringer," and that it "thus satisfied the counts." It is stated in the decision of the Examiner of Interferences that the Hoke application drawing "was evidently made from this device" and that this drawing "shows it as having such extent."

The Etten devices will be referred to later.

The contention on behalf of Kauffman seems to be that the Primary Examiner must have considered the prior art before declaring the interference and that it must be inferred that he did not give the claims the narrow interpretation subsequently placed upon them as counts by the Examiner of Interferences and the Board of Appeals. As we understand the argument of Kauffman's counsel, it is to the effect that Webster's device consists of a "target" or "spot operated lever," and that this is something different from a "trip bar." The brief says:

> We cannot assume that the Primary Examiner did not know of the Webster patent. It does not involve "trip bars" in the sense that they are used in these counts. Length is injected into these counts not by the word "across" or "extending," but by the term "trip bars" in themselves. These are accepted in the art as a definitely distinct type of mechanism from a target or spot actuated release and relate to bars that are extended so as to give in effect a plurality of spots equally responsive when struck in effecting a release. Every release bar structure which is offered by these witnesses as the trip bar release, except some tentative test experimentally leading up to trip bar structures, have this quality.

With respect to this it may be said that we fail to find anything in the record which shows what interpretation the Primary Examiner placed upon the claims. So far as we know, he interpreted them as did the other tribunals later, but, however this may be, we do have substantially concurring interpretations by those other tribunals—interpretations clearly made to avoid the prior art.

It is our view that the interpretation as stated by the Board of Appeals is binding upon us in this proceeding.

It should be borne in mind that no one of the parties to this case raised the question of the right of any other of the parties to make the claims which constitute the counts. There was no motion to dissolve under any of the rules of the Patent Office. It is not in question that the applications of all the parties support the counts as those counts are interpreted by the tribunals of the Patent Office. Upon the other hand, if the counts are given the construction for which Kauffman contends, they would not be patentable to any one of the parties, according to the holdings of the Examiner of Interferences and the Board of Appeals, because of the prior art. The question before us, therefore, is not one of the right of any of the parties to make the counts, but in the case of both Kauffman and Etten, the question is that of reduction to practice, prior to the filing date of Hoke, or conception and diligence, under the interpretation given.

Repeatedly, it has been judicially determined, in cases where the counts have been given a broad interpretation by the tribunals of the Patent Office and found patentable under such interpretation, that the courts were bound by such interpretation with the result that they have refused to consider contentions that a narrow interpretation must be given in order to render the counts patentable. *Slaughter* v. *Halle*, 21 App. D. C. 19, 102 O. G. 469; *Marshall and Levandosky* v. *Ledwinka*, 21 C. C. P. A. (Patents) 728, 67 F.(2d) 495, 438 O. G. 531; *Schuster* v. *Brown*, 21 C. C. P. A. (Patents) 932,

69 F.(2d) 373, 445 O. G. 10; *Angell* v. *Morin* (No. 3276) and *Morin* v. *Angell* (No. 3277), 21 C. C. P. A. (Patents) 1018, 69 F.(2d) 646, 446 O. G. 720, are illustrative.

In the last case cited, supra, there were cross-appeals. In Suit No. 3276, Angell appealed as to a single count which the tribunals of the Patent Office concurred in holding non-patentable unless given a narrow construction. This construction was agreed to by us. Angell there contended that, even under the construction given, the claim was not patentable. We declined to pass upon that question in that proceeding, saying:

> This is a question which may not be determined by us in an interference proceeding, and we express no opinion upon that subject [citing cases].

[1] Upon both reason and authority, we hold that where the Board of Appeals of the Patent Office interprets the counts of the interference narrowly, with the declaration that otherwise interpreted they would not be patentable over the prior art, such interpretation must be accepted by us in an interference proceeding such as that at bar.

It is obvious that if, in this case, an interpretation broader than that adopted by the Board of Appeals were given the counts, we should be confronted by the holding that, under such broad interpretation, the counts are unpatentable over the prior art, and, presumably, the interference would not have been declared. Patentability is not a matter within our jurisdiction in an interference proceeding. In the case of *Robert F. Gowen* v. *William F. Hendry and Robert W. King*, 17 C. C. P. A. (Patents) 789, 793, 37 F.(2d) 426, 393 O. G. 1024, we said:

> The question of the right of a party to secure a patent can not be raised in this court on appeals in interference proceedings. In such cases the jurisdiction of this court is confined to the question of priority of invention and to such ancillary questions as may be involved therein [citing authorities]. * * * These decisions rest upon the proposition that the question of the patentability of an alleged invention is an issue between the applicant and the Patent Office—the Patent Office representing the public. See 35 U. S. C. A., secs. 36, 59. Whereas, the issue of priority of invention and questions ancillary thereto in interference proceedings are matters inter partes. See 35 U. S. C. A., secs. 52, 59. The Congress has provided for separate appeals to this court in these classes of cases.

The foregoing is the only question of law presented by the reasons of appeal in this case and it is raised only by the party Kauffman. The others are questions of fact relating to conception, reduction to practice, and diligence.

The interference was declared between copending applications. Hoke's application was filed March 22, 1932; that of Kauffman, from which the counts were taken, July 11, 1932; and that of Etten, December 22, 1932. The preliminary statements show that Hoke claimed conception, disclosure, and drawings in March, 1928, with embodiment and successful test, respectively, October 5, 1931, and October 7, 1931; that Kauffman claimed conception, disclosure, drawings, embodiment, and successful test all in early December, 1930; and that Etten claimed conception June 1, 1929, drawings, disclosure, and first embodiment in early January, 1931, with successful test January 15, 1931. Etten sought to amend his statement and claim an earlier date for reduction to practice, but his motion so to do was denied by the Examiner of Interferences. No appeal was taken from such denial and he is bound by the dates recited.

The Examiner of Interferences awarded Hoke conception and reduction to practice "as of the first part of October, 1931." He awarded Kauffman reduction to practice "in February or March of 1932," declaring that it need not be decided whether he was entitled to an earlier date for conception, because, assuming that he had "established conception prior to that date (October, 1931)", he failed to establish diligence over the requisite period. No specific dates were awarded Etten for conception and actual reduction to practice by the Examiner of Interferences, it being said, after a review of the evidence offered on Etten's behalf, that—

> "Etten was subsequent to Hoke in reducing to practice and it is clear that he was lacking in diligence during the fall of 1931 and the following winter. * * * Etten cannot prevail over Hoke regardless of his date of conception and such date, therefore, need not be fixed."

The Board of Appeals seems to have entertained doubt with respect to Hoke's reduction to practice in October, 1931, and we have experienced difficulty in construing that part of its decision reading:

> We regard the Hoke alleged reduction to practice of October, 1931, as a more difficult question. While it is true that it is not proved definitely that the trip extended entirely across the front of the wringer, we believe that there is no reasonable doubt but that it extended substantially across, like the sign that would extend substantially across a highway. We are of the opinion that that reduction to practice probably would satisfy the counts. However, in view of the difficulty which we believe exists here, we have carefully considered the party Kauffman's proof as to reduction to practice of a structure such as represented by his Exhibit Q.
>
> The party Hoke filed on March 22, 1932, and the party Kauffman contends that his own corroborating witnesses established the fact that he conceived and reduced to practice the structure of this exhibit prior to that date, or at least that he conceived and was diligent. Also he urges that his Exhibit X proves a reduction by April 25, 1932. We do not consider that there is any reasonable doubt but that the corroborating witnesses can be relied upon as proving that a structure such as shown in this exhibit was conceived and reduced to practice sometime during the earlier part of 1932, but we do not consider that any date has been sufficiently established prior to the filing date of the Hoke application. The courts have repeatedly held that memory testimony, given several years after the events took place, is most unreliable.

A fair interpretation of the foregoing seems to be that the Board did not feel it necessary definitely to rule upon the question of Hoke's reduction to practice in October, 1931, because of its finding that Kauffman had failed to show reduction to practice, or, we assume, conception with requisite diligence, prior to Hoke's filing date.

In view of the definite award to Kauffman by the Examiner of Interferences of a date in "February or March of 1932" and by the Board in the "earlier part of 1932" both so near the filing date of Hoke, we deem it regrettable that the Board did not make a specific finding as to Hoke's October, 1931, date and either affirm or reverse the Examiner's finding on that point. If Hoke should have to rely upon his filing date, and Kauffman is given a date, even for conception, prior to that filing date of Hoke, the question with respect to Kauffman's diligence might be different from that presented where Hoke is awarded the date of October, 1931.

Feeling that the decisions of the Examiner of Interferences and the Board of Appeals are not in full concurrence upon this point, we have deemed it essential carefully to consider the testimony on behalf of Hoke with respect to the October, 1931, date definitely awarded him by the former. This we have done in the light of Kauffman's brief wherein much of the testimony is quoted with comment and argument.

In this connection it is noted that the brief on behalf of Hoke states that—

> "neither of the parties have heretofore seriously questioned Hoke's proofs of actual reduction to practice as of October 7, 1931."

and quotations are made from what are stated to have been the briefs of Kauffman and Etten filed before the Board. The briefs and arguments before the Board are not a part of the record before us, and there is nothing in the decision of that tribunal indicating that its conclusion was based upon any concession made by counsel. Whatever counsel for Kauffman may have argued before the Board or stated in his brief there, his assignments of error in the appeal to that tribunal were sufficient to raise the question of Hoke's actual reduction to practice.

It is our conclusion that the award of the October, 1931, date to Hoke, by the Examiner of Interferences, is supported by the record and is not against the weight of the evidence.

With respect to Etten the Board held substantially as was held by the Examiner of Interferences. So, as to Etten, we have concurring findings and the rule applies that such findings will not be disturbed by us unless manifestly wrong.

The situation under the decision before us is that Hoke, the senior party, is awarded priority over both Kauffman, the intermediate party, and Etten, the junior party, and Kauffman apparently is, in effect, awarded priority as between himself and Etten. It will conduce to clearness for us in the further consideration of the appeals to treat them separately in the order of their number.

Suit No. 3923

This involves the appeal of Kauffman.

Since Kauffman's Exhibit E fails to meet the counts under the interpretations given them, it need be no further considered upon the questions of conception and reduction to practice.

The record is replete with testimony as to the activities of Kauffman with respect to various types of wringers and the brief on his behalf reviews this testimony quite completely, seeking to spell out of it conception and reduction to practice, or at least conception with diligence prior to the other parties, his Exhibits Q and X being relied upon to this end.

The Examiner of Interferences did not discuss Exhibit X but held that Exhibit Q "which," he said, "appears to have been completed in February or March of 1932, the exact date being immaterial," constituted reduction to practice, but further held that in view of the date of October, 1931, awarded to Hoke for reduction to practice that the date awarded to Kauffman could not be of benefit to him. The Examiner of Interferences indicated doubt as to whether any earlier date than February or March of 1932 could be awarded Kauffman for conception, but held that, even if entitled to an earlier date for that, he failed to show diligence from "October, 1931, to the time when his Exhibit Q was completed and tested," saying, "Evidence of such diligence, especially in October and early November of 1931, is lacking."

The Board of Appeals did not discuss Kauffman's Exhibit Q, but referring to his Exhibit X held, in effect (the exact text quoted supra), that while he might be awarded a date for conception and reduction to practice sometime during the early part of 1932, no date was sufficiently established prior to the filing date of the Hoke application. The Board did not specifically discuss the question of Kauffman's diligence, seemingly contenting itself with the findings of the Examiner of Interferences upon that issue.

We have examined the testimony in the light of the findings of the tribunals of the Patent Office and in the light of Kauffman's quite elaborate discussion in his brief under the head of "Kauffman's case on revised interpretation."

The testimony has required meticulous analysis, because of the difficulty in segregating that which is pertinent to Exhibits Q and X from that pertinent to work and experiment upon other forms of devices relating to the art, but not responding to the counts. We fail to find in the testimony pertinent to the exhibits which respond to the counts any sufficient showing that would justify a reversal of the findings of the tribunals of the Patent Office. Those findings are negative; that is, they are to the effect that requisite evidence was lacking. This, we think, is true and, since there is no pertinent evidence, there is no need here for a recital of or comment upon that not relevant.

Suit No. 3924

This involves Etten's appeal.

The brief on Etten's behalf, after stating the construction placed upon the limitation "a trip bar * * * extending across the front of the wringer" by the Examiner of Interferences and the Board of Appeals says:

> There can be no complaint against the reasoning of either of the lower tribunals. Otherwise, one would be directly attacking the patentability of the claims, and that cannot be done here.

It is argued, however, that "acquiescing in either opinion," the fundamental error of the Board—

> "was in not according to Etten a date of invention (a conception and reduction to practice,—actual) at a time prior to any available date of his opponents Kauffman and Hoke."

The Examiner of Interferences held that the only wringers produced by Etten responding to the counts are those illustrated by Etten's Exhibits 3, 12, and 14, and found that Exhibit 14 was not made until May or June of 1932. He held that not only is there no definite evidence that Exhibit 3 was ever satisfactorily tested but that "it clearly appears that it was not successful" and declared it to represent nothing more than "an abandoned experiment."

Exhibit 12 was discussed at length and as to it the holding was that evidence of any such test of it, as might effect a reduction to practice is lacking. The Board of Appeals, merely reciting that it had carefully considered the oral and written argument advanced by Etten, stated:

"• • • it is our opinion that there is clearly no proof of a satisfactory test and we are convinced that this party cannot prevail."

In the argument before us Etten acquiesces in, or at least does not complain of the finding with respect to his Exhibit 14. Also, the brief concedes that he may not rely upon his Exhibit 3 for actual reduction to practice, but he does rely upon it for conception, and claims that, inasmuch as it was produced in the fall of 1929, he is entitled to be regarded as the first of the parties to conceive. Exhibit 12 he claims as an actual reduction to practice at a time prior to May or June of 1931.

The brief presents much argument based upon the testimony respecting Etten's activities, but it does not satisfactorily answer the conclusion drawn by the Examiner of Interferences from actual testimony recited by him in his discussion from which we quote as follows:

Etten states (Q. 40) that it overcame all the objections found in Exhibits 2 and 3 but he does not describe or fix the date of any tests on which he bases this conclusion. Chamberlain is less enthusiastic as indicated by the following portion of his answer to X Q. 70. "Both of these wringers (Exhibits 2 and 12) were not good operating safety releases. • • • In Exhibit 12 we first found that the top would fly off and then we developed this strap which is hinged in the top and after that development we ran into one of your patents which it would infringe, and so it was discarded. It still had the locking arrangement at the ends which I didn't like."

While it seems to be alleged that Exhibit 12 was discarded because of the supposed infringement it should be noted that this infringement related to features not involved in the present counts and that no attempt was made to produce a device omitting these features but embodying the invention here in issue. It also clearly appears that Exhibit 12, aside from the question of infringement, was not considered a success. The testimony of Chamberlain quoted above is pertinent in this connection as is also the following: Chamberlain (X Q. 72) "I was reasonably certain that we couldn't make this sort of a device satisfactory to our trade." (X Q. 73) "Here is a wringer (Exhibit 12) that is satisfactory or rather we thought it would be satisfactory to our trade as a releasing means, referring particularly to the bars but not the catch arrangement. We were of the opinion then, and we still hold the same idea, that this catch arrangement is no good, and we realized that we must develop some other device as a means of keeping the top part on the frame. • • • In the evolution following Etten Exhibit 12 we first perfected the latching arrangement on the end release wringer No. 940 and then later we found a way to discard the target which you see on Etten Exhibit 8 to make it possible to release the trigger on that wringer through the medium of a pair of bars, Etten Exhibit 14 being one of the examples of this maneuver."

It is clear from these statements that Exhibit 12, as a whole, was not satisfactory and accordingly it cannot be held a reduction to practice. • • •

It follows that Etten was subsequent to Hoke in reducing to practice and it is clear that he was lacking in diligence during the fall of 1931 and the following winter. Such activity as there was during this period seems to have been directed to the Exhibit 8 type of wringer, which does not satisfy the counts. In view of this lack of diligence, Etten cannot prevail over Hoke regardless of his date of conception and such date, therefore, need not be fixed.

[2] We are convinced, for the reasons stated, that the conclusions reached below were without error in both cases.

The decision of the Board of Appeals is accordingly affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

KOCH *v.* GREIBACH

No. 3,910. Decided May 31, 1938

[96 F.(2d) 843]

1. INTERFERENCE—PRIORITY—BURDEN OF PROOF BY PREPONDERANCE OF EVIDENCE.

"At the outset, we cannot agree, as argued by appellant, that the appellee had the burden of proving his case beyond a reasonable doubt. Since this interference involves two copending applications for a patent, the burden of the junior party is to establish priority of invention by a preponderance of the evidence."

2. SAME—ABANDONMENT OR CONCEALMENT MUST BE AFFIRMATIVELY PROVED.

"Concealment or abandonment will not be presumed by mere lapse of time. The invention having been reduced to practice, abandonment or concealment must be affirmatively proved."

3. SAME—PRIORITY.

Record reviewed and *Held* that the junior party G was the first to conceive the invention and the first to reduce it to practice, that there was no evidence from which it might be concluded that he had abandoned, concealed or suppressed his invention, and that priority was properly awarded to him.

APPEAL from the Patent Office. Affirmed.

Messrs. Hoguet, Neary and Campbell (*Mr. Walter H. Free* and *Mr. Martin T. Fisher* of counsel) for Koch.

Mr. Samuel Ostrolenk (*Mr. M. C. Massie* and *Mr. C. P. Franchot* of counsel) for Greibach.

JACKSON, *J.*:

This is an appeal in an interference proceeding wherein the Board of Appeals of the United States Patent Office affirmed a decision of the Examiner of Interferences, awarding priority of invention upon all the counts in issue, three in number, to the appellee.

Appellant's application, Serial No. 678,130, was filed June 29, 1933. The application of appellee, Serial No. 697,673, was filed November 11, 1933. Appellee is, therefore, the junior party.

The counts are 1 to 3, inclusive. Count 2 is illustrative, and reads as follows:

2. In a portable audiphone, the combination of a vibratory portion, an electromagnetic portion carried by said vibratory portion and including a speech coil and adapted when the coil is energized by varying currents to effect vibration of said vibratory portion, said electromagnetic portion having greater inertia than said vibratory portion, and means for holding the vibratory portion in operative connection with the bone structure of the user, whereby the vibrations of the vibratory portion are conducted through the bone structure to the inner ear of the user.

The invention relates to a small electrically operated device, the function of which is to assist the deaf in hearing. It is placed behind the ear and usually held in position by a spring which partly encircles the head.

Priority of invention is the only issue involved in this appeal. Both the Examiner of Interferences and the Board of Appeals held that the appellee conceived the invention and reduced it to practice prior to November, 1932, which is the earliest date claimed by the appellant.

Both parties took testimony. The record is very voluminous and includes many exhibits introduced in evidence by the respective parties.

Appellant, in his preliminary statement, alleged that he conceived the invention, made his disclosure thereof, and reduced it to practice in the early part of November, 1932.

Appellee, in his preliminary statement, alleged that he conceived the invention, disclosed it, and reduced it to practice in November, 1931.

While appellant has assigned fourteen reasons of appeal, he expressly relies upon reasons 5, 6, 7, 8, and 9, which are to the effect that the Board of Appeals erred in not holding that the dates on appellee's physical Exhibits 11 and 14 were fraudulently altered, and also erred in crediting appellee's proofs—

"despite the finding that a study of the inscription on Greibach's physical Exhibit 11 created a definite suspicion that an alteration has been made therein."

[1] At the outset, we cannot agree, as argued by appellant, that the appellee had the burden of proving his case beyond a reasonable doubt. Since this interference involves two copending applications for a patent, the burden of the junior party is to establish priority of invention by a preponderance of the evidence. *O'Donnell* v. *Hartt*, 22 C. C. P. A. (Patents) 958, 75 F.(2d) 195, 456 O. G. 7; *Steenstrup* v. *Heath*, 25 C. C. P. A. (Patents) —, 95 F.(2d) 514.

Appellee's physical Exhibits 11 and 14 conform to the counts and are in evidence as part of the proof of his reduction to practice. Appellee's physical Exhibit 11 is a midget inertia reaction vibrator, the pertinent portion of which is a generally circular Bakelite cap, the slightly convex face of which has a diameter of about five-eighths of an inch. Scratched across the face of the cap is an inscription which appellee testified is "V.10.1932," and which is intended to mean "May 10, 1932," the date upon which appellee says he completed and tested the device. Underneath this inscription the initials of appellee, "E. H. G.," are scratched. The figure "2" of the date on said exhibit is cut more deeply into the material than any other mark on the cap. At the top of the figure "2" a scratch runs diagonally across to about the middle of the stem of the figure, and from that point there is another scratch which runs to about the middle point of the tail of the figure. Viewed directly from the top, the latter scratch appears to be a straight line, while from a side top view it appears to curve somewhat like a portion of the lower arc of a figure "3." There are several other small scratches extending from the figure "2."

Appellant contends that the original inscription was "V.10.1933," and that appellee scratched on "3" the figure "2."

Appellee testified that he cut the letters and figures on appellee's physical Exhibit 11, and said that being inept in that sort of work, and from the fact that the face of the cap was so small and the figure "2" so close to the curving edge, his tool slipped several times. His testimony was supported by that of a handwriting expert who concluded that, in his opinion, the figure "3" was not altered to make the figure "2."

Appellant also produced as a witness a handwriting expert who gave as his opinion that the figure "3" underlies the figure "2". We have given this exhibit a most thorough and critical examination and we have considered the testimony of the handwriting experts most carefully, but in view of all of the evidence we are of opinion that the suspicion which has been created by the marking on the exhibit is not sufficient to justify a finding of fraud.

On appellee's physical Exhibit 14, appellee scratched on a brass portion of it the figures "9-4-1932," meaning "September 4, 1932." The last two figures have been scratched over, but appellant's handwriting expert witness was not questioned with respect to this exhibit and we can find nothing from a most careful examination of it that would indicate anything but that on the brass surface it was apparently necessary to go over the last two figures several times because of the curves in the figures.

It is clearly proved in the record of appellee that prior to May 10, 1932, he conceived the invention and disclosed it to others, and had made unsuccessful attempts to reduce it to practice. His evidence in this respect was corroborated by the testimony of others and by many exhibits. There can be no question but that he finally did reduce the invention to practice by making and successfully testing appellee's physical Exhibits 11 and 14. Several witnesses were definite in their identification of these two exhibits, and related how they were demonstrated to them at different times prior to November, 1932. We think each of these witnesses, by association of entirely different occurrences peculiar to each, definitely remembered the approximate time and occasion of appellee's demonstrations of these exhibits. None of them had seen appellee's physical Exhibit 11 in May, 1932, but there is nothing critical about that date to cause appellee to so mark the exhibit. In view of the testimony of the corroborating witnesses, and disregarding entirely the date on appellee's physical Exhibits 11 and 14, we are of opinion that the evidence establishes successful reduction to practice prior to November, 1932, appellant's claimed date of conception.

Appellant also contends that—

• • • as a matter of law, Greibach cannot be heard to say that he had the invention in May, 1932, since he is then faced with an estoppel under the circumstances, for he not only failed to apply for a patent, but he did not consider exploitation of the claimed invention until November, 1932, after Koch had entered the field and exercised the requisite diligence. • • •

In support of his contention he cites the case of *Miller* v. *Hayman*, 18 C. C. P. A. (Patents) 848, 46 F.(2d) 188, 405 O. G. 549. In that case the record showed intentional concealment and suppression of the completed invention on the part of Miller for a period of about fourteen years, and a spurring into activity after Hayman's invention appeared on the market. These facts brought the case within the doctrine of *Mason* v. *Hepburn*, 13 App. D. C. 86, 84 O. G. 147, which doctrine was approved in the *Miller* v. *Hayman* case, supra.

[2] In this case the testimony of three corroborating witnesses supports that of appellee, which

was that from May, 1932, until November, 1932, when appellant entered the field, appellee was perfecting and demonstrating his models and striving to place his invention on the market. We find nothing in the record to show that he knew anything of the activities of appellant, and therefore he could not have been spurred into activity by them. Concealment or abandonment will not be presumed by mere lapse of time. The invention having been reduced to practice, abandonment or concealment must be affirmatively proved. *Harlan v. Bregman et al.*, 17 C. C. P. A. (Patents) 949, 39 F.(2d) 494, 396 O. G. 347.

The burden of proving concealment and suppression is upon the party who alleges it. *Nystrom and Landwehr v. Mancuso*, 20 C. C. P. A. (Patents) 934, 64 F.(2d) 698, 432 O. G. 753.

There is no evidence here from which we can conclude that appellee had abandoned, concealed, or suppressed his invention. On the contrary, the well-corroborated testimony of appellee shows that he had, during the period of time between reducing it to practice and the time when appellant entered the field, November, 1932, shown it to many of his friends, and had constantly striven for its exploitation.

[3] The decision of the Board of Appeals awarding priority to the appellee is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

COTTRELL *v.* SHAFER

No. 3,921. Decided May 31, 1938

[97 F.(2d) 121]

INTERFERENCE—PRIORITY.

Record reviewed and *Held* that the junior party C who was the first to conceive the invention was not diligent in reducing it to practice and that priority was properly awarded to the senior party S.

APPEAL from the Patent Office. Affirmed.

Messrs. Wilkinson, Huxley, Byron and Knight (*Mr. George L. Wilkinson, Mr. Ralph Munden, Mr. Howard Somervell, Mr. Orrin Garner*, and *Mr. E. W. Shepard* of counsel) for Cottrell.

Mr. Clarence D. Kerr (*Mr. E. C. Sanborn* of counsel) for Shafer.

JACKSON, *J.*:

In this interference proceeding Cottrell, the junior party, appeals from a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Examiner of Interferences which awarded priority to the senior party Shafer. Appellant is a patentee, whose patent, No. 1,970,841, was granted August 21, 1934, on an application, Serial No. 642,094, filed November 10, 1932, which was a division of an application, Serial No. 634,747, filed September 24, 1932. The application of appellee, Serial No. 600,398, was filed March 22, 1932.

Appellant alone took testimony. Both parties filed preliminary statements. Although the preliminary statement of appellee does not appear in the record, the Examiner of Interferences, in his decision, says that—

> In his preliminary statement, Shafer states that the invention defined in counts 8, 9, and 34 was constructively reduced to practice by the filing of his application Serial No. 587,036 on January 16, 1932. • • •

Accordingly, we accept as a fact that the preliminary statement of appellee was duly filed and that the dates set forth by the Examiner of Interferences are correct.

Appellant, in his preliminary statement, alleged conception of the invention on February 2, 1931, and its constructive reduction to practice on September 24, 1932, the date of filing his parent application previously mentioned.

Appellee, having filed his application more than six months prior to the filing of the application in the parent case of appellant, is the senior party, and the burden of proving priority by a preponderance of the evidence rests upon appellant.

The counts before us, in accordance with the reasons of appeal, are 1 to 9, inclusive, 13 to 21, inclusive, and 34.

Count 1 is illustrative and reads as follows:

> 1. In a car truck, the combination of tension and compression members, spaced integral connecting columns forming a window with said tension and compression members, said tension member having a spring housing disposed below said window, said housing having spaced seats therein fixed with respect thereto and being slotted for communication with said window, spring means supported on said seats, a load carrying member supported on coil springs in said window and provided with a member extending through the slot and in engagement with said spring means, said spring means being of different character than said coil springs and operating in the same direction as said coil springs.

The subject matter of the counts relates to special features in the construction of trucks used on railway cars, to the specific manner in which coil and semielliptical leaf springs are mounted in the side frame of the truck, and to the way in which the springs are related to the bolster which is the load-carrying member. The object of the invention is to provide a truck which gives good riding qualities to the car.

The Examiner of Interferences and the Board of Appeals both held that appellee is entitled to conception of the invention and its constructive reduction to practice for counts 8, 9, and 34, as of January 16, 1932, the filing date of his aforesaid prior application, and they also held that, as to all the other counts, appellee is entitled to conception and constructive reduction to practice on March 22, 1932, the date of his present application. These holdings are not disputed by appellant.

Both tribunals below held that, on the counts before us, appellant proved his date of conception as early as December 12, 1931, and constructive reduction of the invention to practice on September 24, 1932, the date of filing his aforesaid prior application. These holdings are not disputed by appellee.

The only question presented for decision is whether appellant has shown diligence in reducing his invention to practice from a time just prior to January 16, 1932, up to September 24, 1932, in the case of counts 8, 9, and 34, and from a time just prior to March 22, 1932, up to September 24, 1932, on the rest of the counts before us.

Appellant is a mechanical engineer and assistant to the chief mechanical engineer of American Steel Foundries, appellant's assignee. The record discloses that on December 12, 1931, complete patent sketches had been made by appellant, but that no steps were taken to prepare an application for patent before September, 1932.

It appears that during this time appellant's assignee was busy conducting a series of expensive and elaborate road tests with various car trucks, many of which embodied coil and elliptical spring combinations. In all there were one hundred tests made, but in not a single instance did any of the devices tested conform to the counts of this interference. There is no contention on the part of appellant that they did.

When questioned as to what was done with the patent sketches, appellant's superior answered as follows:

> At that time we had a considerable number of novel truck constructions and spring systems under consideration and were engaged in testing some of them. I decided that these drawings would be kept under consideration during those tests which were being conducted to determine the merits of some of these principles involved in these constructions here, and that when these tests had gone far enough, if we could appraise the value of some of the principles involved we would be able to decide whether patent application should be made.

Appellant contends that the tests made by his assignee include a reduction to practice of the "principle" of his construction. By this contention it appears that appellant means that tests were made which involved bolster support by coil and leaf springs, and in which construction coil and elliptic springs act in parallel, the deflection of the coils being matched by the deflection on the elliptic.

Appellant admitted that none of the constructions shown on his patent sketches were actually tested.

We are of opinion that the tests made were insufficient to constitute diligence in reduction to practice. They all concerned the varying riding effects produced by different arrangements of leaf and coil springs set in different kinds of trucks. No truck used in the tests met the construction shown in counts 8, 9, and 34, which are drawn to truck structure alone with the springs excluded. No construction as described in these counts was attempted by appellant or his assignee during the critical period.

It appears from the record that appellant's assignee was not interested in making and testing constructions based on appellant's idea, but was particularly concerned in the relative proportions of leaf and coil springs to the end that it sought a truck which would enable a railroad car to ride with comparative smoothness. We can see no "principle" shown by the said tests other than that in trucks, different from those described in the counts, leaf and coil springs in certain arrangement and proportion in certain of the trucks would produce a better result than in different arrangements and proportions in others of the trucks.

There is no limitation of spring proportion, however, in the invention defined by the counts; hence it was not necessary to experiment on proportions to be certain of the merits of the truck covered by the counts. With respect to the principle of the use of coil and leaf springs in parallel combination, appellant's assignee recognized it to be worth protection when it caused to be filed, on June 12, 1931, a patent application of Bachman, Serial No. 543,763, which shows this very arrangement.

Counts 8, 9, 17, and 34 did not call for more than one spring in conjunction with certain truck features. There is nothing in the record to show that these truck features were ever made or tested by appellant or his assignee.

Fifty of the one hundred tests were made, starting December 31, 1931, with the spring arrangement of a Kadel and Barrows reissue patent, No. 18,266, granted November 24, 1931. This patent is not owned by appellant's assignee. It discloses full elliptic springs in parallel combination with coil springs in the side frame. But appellant's assignee apparently had these tests made for the purpose of ascertaining what relative size proportion in the leaf and coil springs would give the best result. With respect to the experiments with the Kadel and Barrows spring system, the Examiner of Interferences said that—

> The Kadel and Barrows arrangement had been reduced to practice at least as early as December 3, 1927, the filing date of the original patent, so that the work on that form can hardly be considered diligence in reducing it to practice. Moreover, the original patent was granted September 10, 1929, and hence even before the tests were started it was a statutory bar for so much as it disclosed. Cottrell's invention and the subject matter defined in the present issue, accordingly, are confined to features that are not shown in the Kadel and Barrows patent. It is believed that work upon the Kadel and Barrows prior art structures can not relieve Cottrell from proceeding with reasonable diligence in regard to the novel distinguishing features here in issue. • • •

All of the testimony on behalf of appellant appears to be directed toward the utility of the broad feature of the combination of coil and leaf springs in parallel to support the bolster, as shown in the Kadel and Barrows patent. Appellant's patent sketch drawing, which contained all of the information necessary to draw his application, even if, as is stated, it was kept under consideration during the time of the tests, was not used, nor were the novelties disclosed by it ever started on their way to realization. It takes something more than merely keeping a complete patentable idea under consideration to constitute proof of diligence in reduction to practice. Appellant could not receive a patent for the broad idea of coil and leaf spring combination over the patent of Kadel and Barrows, and his burden was to prove diligence on the specific invention which is patentably different from it. This we hold he did not do.

In the decisions of the tribunals below, the contention of appellee that the large amounts of money spent by appellant's assignee and the elaborate tests made were for the purpose of commercial exploitation by it of trucks which do not read on the counts, met with approval. In view, however, of our conclusion, it is not necessary to discuss this contention of appellee.

We have reviewed with care the decisions called

to our attention by appellant, but because of the facts herein set out we feel they are not applicable to the present issue.

We are of opinion, as before stated, that the tests made were insufficient to constitute diligence in reduction to practice. They were all concerned with the varying riding effects produced by different arrangements of coil and leaf springs in combination, set in different kinds of trucks, none of which conforms to the counts. No truck construction, as described in the counts, had been attempted, and since it is the novelty of the truck construction of the invention, with special arrangement of semi-elliptic leaf and coil springs in combination with relation thereto, that constitutes the invention, and no step having been taken toward testing or making such a structure, we hold that the decision of the Board of Appeals should be and it is hereby affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

DIRKES AND ROBERTS *v.* EITZEN

DIRKES AND ROBERTS *v.* DECKER

Nos. 3,947 and 3,948. Decided May 31, 1938

[96 F.(2d) 849]

INTERFERENCE—PRIORITY.

Record reviewed and *Held* that the senior parties E and D can each make the particular count copied by him from the patent to the junior party D and R and that since no testimony was taken priority was in each case properly awarded to the senior party.

APPEALS from the Patent Office. Affirmed.

Mr. Eugene C. Brown, Mr. Marvin J. Reynolds and *Mr. Newman F. Presson* for Dirkes and Roberts.

Mr. Gustav Drews (*Mr. Hans v. Briesen* of counsel) for Eitzen and Decker.

JACKSON, *J.*:

These are appeals from decisions of the Board of Appeals of the United States Patent Office, in two interference proceedings, which awarded priority to the senior parties Eitzen and Decker, respectively.

In Appeal No. 3,947, the interference arises between an application of appellee, Eitzen, Serial No. 338,065, filed April 17, 1934, which is a renewal of his application filed February 7, 1929, and a patent, No. 1,968,818, issued to appellants August 7, 1934, upon an application filed August 1, 1931. The interference was declared as of January 7, 1935. One count is involved, which corresponds to a claim in the patent of appellants, and was copied by appellee.

In Appeal No. 3,948, the interference is between the application, Serial No. 253,302, of appellee Decker, filed February 10, 1928, and the aforesaid patent of appellants. The interference was declared as of January 7, 1935. One count is involved. It corresponds to a claim of appellants' patent and was copied by appellee.

In both cases, after the declarations of interference, the cases were submitted upon the preliminary statements of the parties. Within the motion period, a motion to dissolve was made by appellants in each of the interferences. The same ground for dissolution was set up by appellants in each of said motions, which ground was that neither of the appellees had a right to make the count of the interference in which his application was involved.

Each of said motions was granted by a Primary Examiner.

Upon appeal, the Board of Appeals, holding that each appellee could make the count, reversed the decisions of the Primary Examiners, and the Examiner of Interferences awarded priority to appellees Eitzen and Decker, respectively, on the record, which awards were affirmed by the Board of Appeals. No testimony was taken by either party.

The sole question for decision in each of these appeals is whether the appellee is entitled to make a claim corresponding to the count. The two appeals are before us in a consolidated record, and will be decided in a single opinion.

Appeal No. 3,947—Interference No. 69,776

The count in this appeal is as follows:

In combination, a telegraph printing apparatus adapted to eject tape therefrom, a support, a tape puller for moving said tape across the support, tape engaging means operable to grip the tape to arrest its motion when there is a predetermined amount of tape between the printing apparatus and support, and electro-magnetic means for releasing the tape after a predetermined length thereof, corresponding to a plural number of characters, has been ejected by the printing apparatus.

The subject matter of the interference relates generally to a telegraph printing and projecting system in which information, printed on a tape that issues from the usual stock market ticker, is enlarged and projected by means of a lamp and a system of lenses on a screen.

The parts of such a device consist of a ticker, projection apparatus, means for advancing the tape through the projector, and the screen. Stock market and news projecting machines are not new, and the novelty in the art is contained in one part of the count which provides for a gripping means which arrests the motion of the tape when there is a predetermined amount of it between the ticker and the support, and in another part of the count which calls for an electro-magnetic means for releasing the tape after a predetermined length of it corresponding to a plural number of characters has been ejected by the ticker. Both parties seek to avoid the appearance of jerky images on the screen.

Appellee's apparatus, as shown in his application, goes into operation when the loop of tape which has been ejected from the ticker is sufficiently long to exert enough pressure against a spring-held lever to depress it against a terminal. The lever and terminal are situated between the ticker and the intake side of the projector. Close to this side of the projector is a tape gripper which is operated by a solenoid and spring. The contact of the terminal and lever, established through pressure of tape as aforesaid, closes an electric circuit through another solenoid placed over a constantly revolving disk on the motor shaft near the rewind reel on the opposite side of the projector. When the circuit through this second solenoid is closed, a latch member held by it is immediately freed and a throw-out lever, held by the latch, and a toggle are pulled back by a spring. As the toggle is sprung, a brake shoe which is attached to the lower end of the lever engages the rotating disk below it and locks a rotatable sleeve member, into which the brake shoe fits, to the rotating disk for a complete revolution, when the throw-out lever again engages the latch. Rotation of the sleeve member carries with it a like rotation of a crank pin to which is attached a pitman or rod connected on its other end with a reciprocating gripper which pulls the tape in each stroke a distance of two and one-half inches in approximately one-half a revolution of the sleeve.

As soon as the sleeve member begins to rotate the electric contacts are such that the gripper holding the tape between the ticker and the projector is released through the first solenoid, and the tape forming the loop is drawn through the projector two and one-half inches. Thus it appears that tape movement through the projector is controlled initially through the presence, over the lever and contact, of sufficient tape to close said contact, whereupon the second solenoid is energized to permit the drawing of tape through the projector as aforesaid.

Appellants contend that in the operation of appellee's device the amount of tape between the ticker and the projector is not a predetermined quantity, for the alleged reason that during the pulling motion of the tape, the ticker may or may not be supplying additional tape to the loop. We cannot agree with this reasoning, as it appears to be quite clear that the system cannot start to operate until a sufficient amount of the tape rests on the spring lever to bring it down to the contact, and if there should be a less amount of tape the circuit cannot be closed.

The movement of the tape puller is much more rapid than that of the ticker, but there must be a certain quantity of the tape ejected before the tape puller can operate.

In this respect the Board of Appeals, in its decision overruling that of the Primary Examiner which granted appellants' aforesaid motion to dissolve, stated as follows:

It seems to us therefore that Eitzen's apparatus would operate to produce a movement of the tape between maximum and minimum size of loop. The revolution of sleeve member 65 is obviously very quick, probably instantaneous and the amount of tape which might be received from the ticker at that time would be substantially negligible. Eitzen emphasizes this on pages 12 and 13. Since the interval is so short the variation in the amount of tape fed by the ticker during successive movements would be negligible and consequently constant. This feature of Eitzen is regarded as satisfying the first reference to predetermined amount in line 5 of the count.

We think that the Board properly described this operation of the device of appellee.

Continuing in its decision on the point of a predetermined minimum amount of tape in the loop, the Board said that—

The next clause requires tape engaging means operable to grip the tape to arrest its motion when there is a predetermined amount of tape between the printing apparatus and the support. In the Dirkes apparatus this is the snubber 28 and the clause evidently means when there is a predetermined minimum amount of tape in this condition, that is, when the loop or festoon is at its minimum allowable size or when the tape approaches a straight line. This is true of Eitzen's snubber 26 which engages the tape at the end of each advancing stroke and we think that it would always happen when there would be a predetermined amount of tape between the printing apparatus and the support by reason of the fact that Eitzen's tape puller operates substantially instantaneously and would always bring the tape loop up to such same minimum size.

We agree with the Board in this reasoning. It will be observed from an examination of the count and of the apparatus of appellee hereinbefore described that there is an electro-magnetic means for releasing the tape.

We must now decide whether the said tape-releasing means operates—

"after a predetermined length thereof, corresponding to a plural number of characters, has been ejected by the printing apparatus."

One of the figures of the application of appellee is a drawing of the two and one-half inches of tape that is pulled each time the gripper is released. On tape of this length so released it goes without saying that in the operation of appellee's device there would appear several or a plurality of numerals and letters which are meant by use of the word "characters." The tape, as has been hereinbefore described, is always drawn for a distance of two and one-half inches. Since the tape cannot be released until there is sufficient amount of it in the loop to close the circuit, and since each time it is released the puller draws it for the said distance, it seems quite clear to us that there would always be a predetermined maximum size loop, particularly in view of the fact that the tape-drawing device is operated at a much higher speed than that of the ticker.

Appellants urge that the count should be limited in accordance with the disclosure of the patent, and when so limited appellee cannot make the count. This might be true if the count were ambiguous. There is no ambiguity in the wording of the count. The expression "plurality of characters" contained in the count should be given its usual ordinary meaning.

The rule on this question is found in the case of *Sweetland v. Cole*, 19 C. C. P. A. (Patents) 751, 53 F.(2d) 709, 415 O. G. 4, wherein the court said that—

It is the rule that in interference cases between a patent and an application, where the counts are ambiguous, they are to be construed in conformity with the patent in which they originated. This question was discussed by this court in *Field v. Stow*, 18 C. C. P. A. (Patents) 1437, 1440, 49 F.(2d) 840. It is also the rule that expressly defined limitations may not be disregarded. (*In re Bijur*, 17 C. C. P. A. (Patents) 1134, 40 F.(2d) 999; *Thompson v. Pettis*, 18 C. C. P. A. (Patents) 755, 44 F.(2d) 420), but in applying these rules to the issues of a given case, the meaning of the limitations must be determined by the normal meaning of the words in which such limitations are expressed, as those words are used in connection with the art involved. If, in the respective disclosures, the means are present to meet the count under the normal meaning of its limitations as so determined, then we know of no authority for the court entering upon a technical research into the respective methods of operation and saying that one device will operate and the other will not, or that one will operate differently from the other.

It is our opinion that the disclosure of appellee reads on the count. Therefore, the decision of the Board of Appeals will be affirmed.

Appeal No. 3,948—Interference No. 69,956

The count in this appeal reads as follows:

In combination, a source of tape, a tape support, a tape puller, means for operating said tape puller at one speed when a predetermined amount of tape forms between the source and support, and means for operating said tape puller at an appreciably lower speed when the tape between the source and support decreases to a predetermined amount, means to arrest the movement of the tape when the tape between the source and support decreases to a still smaller amount and means for maintaining said tape at rest until an appreciable amount thereof corresponding to a plurality of characters again accumulates between the source and support.

The invention at issue relates to a projecting machine operating generally as outlined in Appeal No. 3,947.

The Primary Examiner, in his decision granting the motion of appellants to dissolve on the ground that appellee had no right to make the count in issue, stated, omitting reference to figures and numbers, as follows:

Decker discloses in his modified form a source of tape, a tape support, a tape puller, means for operating said tape puller at one speed when one amount of tape forms between the source and support, * * * and means for operating said tape puller at an appreciably lower speed when the tape loop decreases, * * * means to arrest the movement of the tape when the tape loop decreases to a still smaller amount * * * and means for maintaining said tape at rest until an amount again accumulates between the source and support; * * *

Comparing this statement with the count, it will be observed that the Primary Examiner conceded that the structure in appellee's application meets the count in every particular except that of predetermined amounts of tape and also an appreciable amount thereof corresponding to a plurality of characters.

The said decision was based principally upon construction of the expressions "a plurality of characters" and "appreciable amount." While the Primary Examiner stated that the structure of appellant disclosed "means to arrest the movement of the tape," he held that—

Neither does the word "arrest" read well on Decker. Dirkes and Roberts grip the tape to stop it and hold it until an appreciable amount accumulates. Decker has no particular means for maintaining the tape at rest. His motor merely stands idle.

Undoubtedly the structures shown by the parties are quite different in several respects. It is not necessary, however, to describe them as the issue is confined, as stated by appellants in the résumé of their brief, to the sole question of whether the disclosure of appellee supports the following feature of the count:

* * * means for maintaining said tape at rest until an appreciable amount thereof corresponding to a plurality of characters again accumulates between the source and support.

The movement of the tape is ended in the device of appellee when the motor is stopped. The said stopping of the motor is accomplished by the gradual pressure of a brake shoe on the flywheel. It is quite clear that the means by which the motor is stopped is the means which arrests the movement of the tape. It seems to us to be equally clear that when the motor is stopped as aforesaid, and the tape is motionless, the means which stops the motor arrests the movement of the tape and prevents it from moving until the device is again put into operation by reason of the slack between the ticker and the projector, and thus constitutes "means for maintaining said tape at rest" as set forth in the count. When the ticker again starts printing and ejecting the tape the brake shoe by suitable means gradually releases its pressure from the flywheel permitting the motor to start and pick up speed. It appears to us that before the motor starts there must be slack in the tape, otherwise the mechanism cannot be put in operation. It is an arm of the device which is in constant contact with the tape, the downward motion of which releases the brake shoe. The arm cannot descend until there is slack or a loop in the tape. There can be no slack or loop of tape until the ticker has done some printing on the tape.

The expression "appreciable amount" is stated in the count to be a length of tape upon which there is printed "a plurality of characters."

The Primary Examiner stated that a plurality of characters means a reasonable plurality. It will be seen that the count is broad. It contains no limitation as to a minimum number of characters to constitute a plurality. The count is not ambiguous and the words "plurality of characters" contained in the count should be given their usual ordinary meaning. *Sweetland* v. *Cole*, 19 C. C. P. A. (Patents) 751, 53 F.(2d) 709, 415 O. G. 4. Accordingly it does not matter whether the slack length of tape corresponds to the space upon which two characters or more than two are printed, as long as there is more than one character. The Primary Examiner did not say that the device of appellee's application cannot print more than one character. It is true he did state that "it is possible that Decker's tape may move one quarter inch sufficient to print two characters," but his reasoning on this phase of the motion to dissolve was predicated entirely upon the premise that the count meant more than two characters. In view of this reasoning of the Primary Examiner, we think the Board did not err, as contended by appellants, in stating "The Examiner has conceded that he thinks two characters would be provided for."

It is our opinion that the disclosure of appellee supports the count. Hence the decision of the Board of Appeals will be affirmed.

For the reasons herein stated, the decision of the Board of Appeals in each of the appeals before us, numbered 3,947 and 3,948, is affirmed.

Affirmed.

ERRATUM

U. S. Court of Appeals for the District of Columbia

ELECTRONS, INC., ERICHA MEYER, EXECUTRIX OF ESTATE OF FRIEDRICH MEYER, DECEASED, SPANNER AND GERMER

v.

COE, COMMISSIONER OF PATENTS

In the report of the above identified case in the OFFICIAL GAZETTE of November 1, 1938, vol. 496, page 3, there is an error in syllabus No. 2. This portion of the report is corrected to read:

2. SAME—GASEOUS DISCHARGE LAMP.

Claims for a gaseous discharge lamp, *Held* patentable over the prior art.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,368,573, 1,785,914, P. S. Riel, Door latch, D. C., W. D. N. Y., Doc. 2200, *P. S. Riel* v. *J. F. O'Conner, Inc.* Dismissed Oct. 17, 1938.

1,510,610, P. H. Rylander, Sterilizer; 1,641,097, same, Means for sterilizing cotton and other seeds, filed Oct. 13, 1938, D. C. Tex. (Brownsville), Doc. 13, *Rylander Cotton Machines Co.* v. *J. A. Frieby.* Doc. 10, *Rylander Cotton Machines Co.* v. *Grande Rio Cotton Oil Co.*

1,561,963, E. C. Wilson, Tongs; 1,575,141, same, Pipe tongs; 1,647,977, R. Adams, Self closing tongs; Re. 17,597, same, Multiple size tongs; T. M. 291,014, Byron-Jackson Co., Oil well tools, namely, pipe and casing tongs, filed Oct. 13, 1938, D. C., W. D. Okla. (Oklahoma City), Doc. 23, *Byron-Jackson Co.* v. *McKee Supply Co. et al.* Decree holding patents and trade-mark valid, and certain claims infringed, injunction Oct. 31, 1938.

1,575,141. (See 1,561,963.)

1,583,046. (See Re. 17,263.)

1,596,846, J. G. Maclaren, Pressure controlling device for conveyor tubes, D. C., E. D. Mich. (Detroit), Doc. 7578, *The Lamson Co.* v. *Grover Co.* Decree for plaintiff granting injunction Oct. 18, 1938.

1,622,957. (See Re. 18,852.)

1,627,723. (See 2,022,458.)

1,641,097. (See 1,510,610.)

1,643,675, J. A. Montgomerie, Bituminous emulsion, D. C., W. D. Calif. (Los Angeles), Doc. E 328–M, *American Bitumuls Co.* v. *Union Oil Co. of Calif.* Decree for plaintiff finding patent valid and infringed as to claims 1 and 2, injunction Oct. 18, 1938.

1,647,977. (See 1,561,963.)

1,674,040, W. H. Hazlett, Underreamer, D. C., S. D. Calif. (Los Angeles), Doc. E 807–Y, *J. Grant* v. *E. Koppl et al.* (*Wesko Oil Tool Co.*). Dismissed pursuant to stipulation Oct. 13, 1938.

1,675,760, C. W. Manzel, Hydraulic shock absorber, D. C., W. D. N. Y., Doc. 1002, *C. W. Manzel* v. *Houdaille-Hershey Corp. et al.* Dismissed for want of equity Oct. 20, 1938.

1,695,482. (See 2,022,458.)

1,718,025. (See Re. 18,852.)

1,784,925, A. R. Campbell, Pulley block, filed Oct. 14, 1938, D. C., W. D. Wash., N. Div., Doc. 14, *Draper Engine Works, Inc.* v. *Washington Iron Works.*

1,785,914. (See 1,368,573.)

1,799,471, C. H. Leach, Heat exchange apparatus; Re. 19,377, Re. 19,378, Re. 16,878, same, Refining apparatus, D. C., W. D. N. Y., Doc. 2215, *C. H. Leach* v. *Ross Heater & Mfg. Co., Inc.* Discontinued Oct. 20, 1938.

1,804,331, H. R. Freund, Method of cleaning magazines and matrices; 1,890,374, same, Cleaning machine for magazines and matrices, filed Oct. 21, 1938, D. C., W. D. Pa., Doc. 74, *Klean-O-Mat Corp et al.* v. *E. McKnight.*

1,838,154, S. Raftenberg, Paper box, D. C., S. D. N. Y., Doc. E 65/334, *Blum Folding Paper Box Co., Inc.*, v. *Spear Co., Inc.* Consent order of discontinuance (notice Oct. 21, 1938).

1,840,463. (See Re. 17,263.)

1,864,051, R. E. Paris, Perforated card controlled machine; 2,044,119, W. W. Lasker, Tabulating machine, filed Oct. 21, 1938, C. C. A., 2d Cir., Doc. —, *R. E. Paris* v. *Remington Rand, Inc.*

1,888,417, N. L. Aberson, Multiple slab unit; 1,933,237, same, Monolithic wall structure; 2,053,412, same, Multiple unit facing wall, filed Oct. 18, 1938, D. C., E. D. Mich. (Detroit), Doc. 101, *N. L. Aberson* v. *W. Klingelhut et al.*

1,890,374. (See 1,804,331.)

1,893,535, M. K. Buchanan, Ice cube pan lifter; 1,932,689, 2,043,881, Buchanan & Horton, Ice cube pan; Re. 18,819, same, Refrigerating pan, D. C., S. D. N. Y., Doc. E 87/326, *Mechanical Ice Tray Corp.* v. *Fairbanks, Morse & Co.* Dismissed (notice Oct. 18, 1938).

1,895,568, Curtin & Kline, Rustproofing iron and steel articles; 1,895,569, Production of protective coatings on iron and steel articles, appeal filed Oct. 20, 1938, C. C. A., 2d Cir., Doc. —, *Parker Rust-Proof Co. et al.* v. *The Western Union Telegraph Co. et al.*

1,895,569. (See 1,895,568.) 1,902,547. (See 1,902,628.)

1,902,628, W. A. Endter, Door lock; 1,902,547, same, Rotary bolt door lock, D. C., W. D. N. Y., Doc. 2268, *W. A. Endter et al.* v. *P. S. Riel.* Dismissed Oct. 17, 1938.

1,919,674, L. Wenczel, Pneumatic puffing machine, D. C., S. D. N. Y., Doc. 1–12, *W. Gillman et al.* (*Sterling Airbrush Co.*) v. *N. Y. Paper Co., Inc., et al.* Decree for plaintiff (notice Oct. 21, 1938).

1,920,162, Amy & King, Radio aerial attachment, filed Oct. 19, 1938, D. C., S. D. N. Y., Doc. 1–166, *Amy, Aceves & King, Inc.*, v. *Birnbach Radio Co., Inc.*

1,932,689. (See 1,893,535.) 1,933,237. (See 1,888,417.)

1,940,217, T. D. Lane, Supply mechanism, filed Oct. 19, 1938, D. C., N. D. Ohio, E. Div., Doc. 19501, *Economics Laboratory, Inc.*, v. *Pioneer Chemical & Mfg. Co.*

1,953,697, E. Wittcoff, Imitation straw hats and in the method of producing same, filed Oct. 17, 1938, D. C., S. D. N. Y., Doc. 1–146, *Caradine Hat Co.* v. *Hatleigh, Inc.*

1,980,615. (See Re. 20,205.)

2,022,458, A. A. Cavicchi, Button; 1,627,723, P. P. Bebry, Tufted mattress button; 1,695,482, E. Cavicchi, Button, suit for declaratory judgment filed Oct. 21, 1938, D. C., S. D. N. Y., Doc. 1–175, *E. Cavicchi* (*The Wade Button Co.*) v. *Mohawk Mfg. Co., Inc.*

2,043,881. (See 1,893,535.) 2,044,119. (See 1,864,051.)

2,047,784, S. Krakowski, Sound producing toy, filed Oct. 18, 1938, D. C., S. D. N. Y., Doc. 1–158, *Ay-Won Toy & Novelty Corp.* v. *S. Goldfarb et al.*

2,053,412. (See 1,888,417.)

2,064,143, Belton & Belton, Rubber glove and process of making same, filed Oct. 20, 1938, D. C., N. D. Ohio, W. Div., Doc. 19506, *Seiberling Latex Products Co.* v. *The Canton Rubber Co.*

2,072,075. (See Re. 20,205.)

2,075,129, C. J. Olund, Combined bag rack and twine holder, filed Oct. 12, 1938, D. C., N. D. Tex. (Dallas), Doc. 11, *J. W. Wilson* v. *T. A. Gillespie et al.*

2,081,825, Leibing & Fageol, Governor, appeal filed Oct. 20, 1938, C. C. A., 2d Cir., Doc. —, *Leibing Automotive Devices, Inc.*, v. *E. A. Wildermuth.*

2,107,214, Rechtin & Jantsch, Ink mill, filed Oct. 17, 1938, D. C., S. D. Ohio, W. Div., Doc. 19, *The J. H. Day Co.* v. *The Low Bros. Co. et al.*

2,114,939, A. A. Radtke, Method of and means for optically reproducing sound, filed Oct. 21, 1938, D. C., S. D. N. Y., Doc. 1–176, *Radtke Patents Corp.* v. *Douglas Leigh, Inc.*

Re. 16,878. (See 1,799,471.)

Re. 17,263, 1,840,463, V. Mulholland, Method and apparatus for annealing glassware; 1,583,046, H. W. Ingle, Lehr for annealing glassware, C. C. A., 4th Cir., Doc. 4273, *Hartford-Empire Co.* v. *Swindell Bros., Inc., et al.* Decree affirmed in so far as it relates to 1,840,463, and reversed as to Re. 17,263 and 1,583,046 Oct. 4, 1938.

Re. 17,393. (See Re. 18,852.)

Re. 17,597. (See 1,561,963.)

Re. 18,111, F. R. Woodward, Roll, D. C., S. D. Ohio, W. Div., Doc. E 963, *Stowe-Woodward, Inc.*, v. *The Cincinnati Rubber Mfg. Co.* Decree finding patent valid and infringed as to claims 1, 2, and 7, Oct. 15, 1938.

Re. 18,819. (See 1,893,535.)

Re. 18,841. (See Re. 18,852.)

Re. 18,852 (of Re. 18,841, Re. 17,393, and 1,622,957), J. Mayer, Hair waving appliance; 1,718,025, R. Bishinger, Hair curling appliance, filed Oct. 13, 1938, D. C., E. D. Wn., N. Div., Doc. 5, *The Philad Co.* v. *Washington Barber & Beauty Supply Co. et al.*

Re. 19,377. (See 1,799,471.)

Re. 19,378. (See 1,799,471.)

Re. 19,922, E. J. Gengler, Stock enclosure and system electrically charging same; Re. 20,725, L. Heidger, Electric fence, filed Oct. 18, 1938, D. C., E. D. Wis. (Milwaukee), Doc. 24, *Northern Signal Co.* v. *E. J. Gengler et al.*

Re. 20,205 (of 1,980,615), L. W. Emerson, Folding chair; 2,072,075, Travers & Morris, same, filed Oct. 17, 1938, D. C., N. D. N. Y., Doc. 25, *H. A. Freeman* v. *Telescope Folding Furniture Co., Inc.*

Re. 20,725. (See Re. 19,922.)

Des. 102,888, M. R. Hamre, Printed textile fabric, filed Oct. 19, 1938, D. C., S. D. N. Y., Doc. 1–165, *Chas. Bloom, Inc.*, v. *Titus Blatter & Co., Inc.*

Des. 110,244, L. J. Epstein, Bootee, filed Oct. 17, 1938, D. C., S. D. N. Y., Doc. 1–144, *Restful Footwear Co.* v. *Gimbel Bros., Inc.*

Des. 110,305, S. Schein, Display stand for perfume bottles, filed Oct. 15, 1938, D. C., S. D. N. Y., Doc. 1–140, *Cardinal Parfumes, Inc.*, v. *H. Ditchik (Hollywood Laboratories)*.

Des. 111,557, J. Abbate, Dress, filed Oct. 14, 1938, D. C., S. D. N. Y., Doc. 1–136, *Abbate-Swift, Inc.*, v. *H. Koldin, Inc.*

Des. 111,646, A. Ruckman, Dress, D. C., S. D. N. Y., Doc. 1–128, *Apex Dress Co., Inc.*, v. *Joyland Frocks, Inc.* Consent order of discontinuance (notice Oct. 20, 1938).

T. M. 291,014. (See 1,561,963.)

Adjudicated Patents

(C. C. A. III.) Crossley and Neighbors patent, No. 1,978,568, for high frequency inductance, claim 5 *Held* invalid, but if valid, not infringed. *Johnson Laboratories* v. *Meissner Mfg. Co.*, 98 F.(2d) 937.

(C. C. A. III.) Polydoroff patent, No. 1,982,689, for magnetic core material, claims 1, 2, 3, 4, 58, 74, 75, and 76 *Held* invalid, but if valid, not infringed. *Id.*

(C. C. A. III.) Polydoroff patent, No. 1,982,690, for selective radio circuit, claim 38 *Held* invalid, but if valid, not infringed. *Id.*

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,051,930, F. M. Young and E. Witzel, Electric heating unit, decided September 21, 1938, claim 1.

Pat. 2,079,608, C. P. Erickson, Refrigerator cabinet, decided October 29, 1938, claim 6.

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., Nov. 1, 1938.*

California Bottling Co., its assigns or legal representatives take notice:

An application for cancellation having been filed in this Office by Clicquot Club Company, Millis, Mass., to effect the cancellation of trade-mark registration of California Bottling Co., 142 Kings Street, Brooklyn, N. Y., No. 160,146, dated October 17, 1922, and the notice of such proceeding sent by registered mail to the said California Bottling Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless said California Bottling Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 22, 1938

[VOL. 496. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 410,792. KNOXVILLE SEED COMPANY, INCORPORATED, Knoxville, Tenn. Filed Sept. 20, 1938.



No claim is made to the words "Brand" and "Always Adaptable" apart from the mark.

For Flower, Field, and Garden Seed.

Claims use since Aug. 22, 1938.

Ser. No. 411,145. AMALGAMATED LEATHER COMPANIES, INC., Wilmington, Del. Filed Oct. 1, 1938.

AMBUCK

For Leather.

Claims use since June 1, 1938.

Ser. No. 411,147. AUSTENAL LABORATORIES, INC., New York, N. Y. Filed Oct. 1, 1938.

VITALON

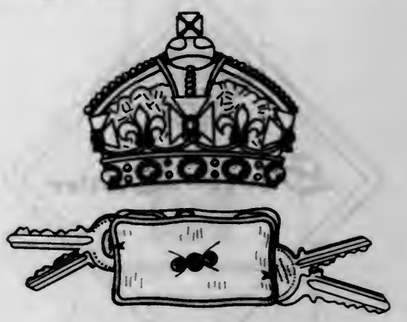
For Thermoplastic Synthetic Resin Material in the Form of Slabs, Granules, or Powder.

Claims use since Aug. 2, 1938.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 409,218. TULIN CORPORATION, New York, N. Y. Filed Aug. 3, 1938.



KEY KING

The word "Key" and the representation of the goods are disclaimed apart from the mark.

For Key Holder.

Claims use since May 1, 1938.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 404,256. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Mar. 19, 1938.

SANTOMERSE

For Chemical Compounds for Use as Cleansing and Washing Compositions in Liquid and Solid Form for Household and Industrial Application.
Claims use since Jan. 28, 1938.

Ser. No. 406,615. THE J. R. WATKINS COMPANY, Winona, Minn. Filed May 21, 1938.



J. R. Watkins

The signature and portrait are those of J. R. Watkins, deceased.
For Soaps for the Toilet, Skin, Hair, Bath, and Laundry; Cleaning Preparations Having Soap-Saving Properties, Cleansing Powders, Liquids, Pastes, Creams, Lotions and Oils for the Laundry, Fabrics, Glass, Ceramics, Metal, Wood, Machinery, Vehicles, Paper, and Painted and Varnished Surfaces; and Metal Polishes.
Claims use since Jan. 1, 1915.

Ser. No. 409,092. PAUL L. FRITZ, doing business as Silver-Saver Polish Company, Allentown, Pa. Filed July 30, 1938.



The term "Silver-Saver" is disclaimed apart from the mark. The drawing is lined for blue.
For Silver Polish.
Claims use since June 24, 1938.

Ser. No. 410,274. SOWA LABORATORIES, INC., New York, N. Y. Filed Sept. 3, 1938.



For Solid and Fluid Compositions Adapted for Application on Finished Surfaces of Metals, Such as Silver, Gold, Aluminum, Copper, Brass, Steel, and the Like, to Polish and Provide a Transparent Coating for the Same.
Claims use since Aug. 17, 1938.

Ser. No. 410,476. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed Sept. 12, 1938.

B-K

For Bottle Washing Compound for Use in Bottle Washing Machines.
Claims use since Apr. 18, 1938.

Ser. No. 410,477. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed Sept. 12, 1938.

B-K

For Washing Powder—Namely, a General Purpose Cleaner.
Claims use since Apr. 19, 1938.

Ser. No. 410,558. SINCLAIR REFINING COMPANY, New York, N. Y. Filed Sept. 14, 1938.

DINO

For Cleaning and Degreasing Compound in Powder Form.
Claims use since Aug. 30, 1938.

Ser. No. 411,040. VAPOO PRODUCTS CO. INC., New York, N. Y. Filed Sept. 27, 1938.

VAPOO

For Preparation in Powder form for Cleaning Upholstery, Rugs, Carpets, Draperies, Fabrics, Mattresses, Lamp Shades, Window Shades, Furniture, Automobiles, Linoleum, Woodwork, Painted Surfaces, and Metal Surfaces.
Claims use since Nov. 1, 1932.

Ser. No. 411,139. THE SKAT COMPANY, Hartford, Conn. Filed Sept. 30, 1938.

THESKO

For Soaps.
Claims use since Jan. 1, 1938.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 394,805. PROFESSIONAL LABORATORIES, INC., New York, N. Y. Filed July 2, 1937.

EXACTADOSE

For Medicinal Preparations Used for the Treatment of Constipation.
Claims use since May 7, 1934.

Ser. No. 396,754. UTH-O-UTH LABORATORIES, Los Angeles, Calif. Filed Aug. 25, 1937.

UTH-O-UTH

For Reducing Cream.
Claims use since July 2, 1937.

Ser. No. 404,514. JOHN M. BURTON, Richmond, Va. Filed Mar. 26, 1938.

Pheno-Bell

No claim is made to the word "Bell" apart from the mark.
For Tablets for Treatment of Nervous Indigestion.
Claims use since Nov. 20, 1935.

Ser. No. 404,756. ISADORE A. GOLDSTEIN, doing business as Tedbar Chemical Company, Baltimore, Md. Filed Apr. 1, 1938.

69918

For Medicines Taken Internally for Effective Use for Muscular Aches and Pains.
Claims use since Mar. 1, 1898.

Ser. No. 407,495. ISIDORE W. GOLDBERG, doing business as The Gastine Company, Bridgeton, N. J. Filed June 15, 1938.



For Composition for the Prevention of Carbonization of Engine-Cylinders.
Claims use since Oct. 22, 1915.

Ser. No. 408,193. MAYBERT CORPORATION, New York, N. Y. Filed July 5, 1938.

FEVROL

For Medicinal Preparation Used in the Alleviation of Hay Fever and Nose and Throat Irritations.
Claims use since June 15, 1938.

Ser. No. 409,440. THE SCHRATZ CHEMICAL COMPANY, Detroit, Mich. Filed Aug. 10, 1938.

Tub O' Bubbles

For Bath Salts.
Claims use since June 1, 1938.

Ser. No. 409,473. KROM LABORATORIES, INC., Kingston, N. Y. Filed Aug. 11, 1938.



The phrase "Kill-Em" is disclaimed apart from the mark.
For Insect or Fly Spray.
Claims use since July 30, 1935.

Ser. No. 409,863. THE COLUMBIA ALKALI CORPORATION, Barberton, Ohio. Filed Aug. 23, 1938.



The drawing is lined for red and blue. Applicant disclaims the word "Columbia" apart from the mark.

For Caustic Soda, Soda Ash, Liquid Chlorine, Bicarbonate of Soda, Modified Sodas, and Caustic Ash.

Claims use since July 25, 1938.

Ser. No. 409,974. NYAL COMPANY, Detroit, Mich. Filed Aug. 25, 1938.

NY·AQUA

No claim is made to the word "Aqua" apart from the mark.

For Medicinal Preparation for Nasal Congestion Associated with or Due to Common Colds, Sinusitis, Rhinitis, and Hay Fever.

Claims use since Aug. 2, 1938.

Ser. No. 410,405. HAROLD JAMES MURPHY, doing business as Murphy Products Co., Gouverneur, N. Y. Filed Sept. 9, 1938.

AGRI-DUST

No claim is made to the word "Dust" apart from the mark.

For Louse and Flea Powder for Lice on Cattle and Farm Animals and Fleas and Lice on Dogs and Cats and Poultry.

Claims use since July 1, 1937.

Ser. No. 410,497. ELIZABETH ARDEN, INC., New York, N. Y. Filed Sept. 13, 1938.

PRINCE'S FEATHER

For Powder, Lipsticks, Cheek Rouge, Nail Polishes, and Perfume.

Claims use since Sept. 1, 1938.

Ser. No. 410,531. W. H. ADAMS & Co., Detroit, Mich. Filed Sept. 14, 1938.

ADAMOL

For Medicine for the Treatment of Rheumatism and Arthritis.

Claims use since January, 1938.

Ser. No. 410,615. G. D. SEARLE & Co., Chicago, Ill. Filed Sept. 15, 1938.

PROTEOLAC

For Preparation for Intramuscular or Intravenous Injection to Relieve Infective Conditions, to Stimulate Bodily Resistance, and to Promote Leucocytosis.

Claims use since Feb. 27, 1929.

Ser. No. 410,616. G. D. SEARLE & Co., Chicago, Ill. Filed Sept. 15, 1938.

Tinpronate

For Medicinal Tablet Comprising Tin and a Digestive Protein Base for Combating Staphylococcic Infections by Stimulating Bodily Defense Mechanism.

Claims use since October, 1930.

Ser. No. 410,628. AYERST, MCKENNA & HARRISON (UNITED STATES), LIMITED, Rouses Point, N. Y. Filed Sept. 16, 1938.

TRICEPIOL

For Antacid Preparation for Treatment of Conditions Associated with Hyperacidity.

Claims use since Aug. 18, 1938.

Ser. No. 410,664. SILVER DOLLAR PRODUCTS CO., Brooklyn, N. Y. Filed Sept. 16, 1938.

SILVER DOLLAR

For Preparations for the Hair, Including Hair Tonic, Hair Ointment, Hair Pomade, Shampoo, Dandruff Remover, Scalp Stimulant.

Claims use since May, 1936.

Ser. No. 410,676. ANDREW WILSON, INC., Springfield, N. J. Filed Sept. 16, 1938.

Squito-Rid

For Larvacide and Repellent for Mosquitoes.

Claims use since June, 1937.

Ser. No. 410,788. HEGEMAN-MACCORMACK CORPORATION, New York, N. Y. Filed Sept. 20, 1938.

PENTRA

ONE - 2 - THREE

For Wax and Gum Solvents and Acid and Corrosion Inhibitors.

Claims use since July 11, 1938.

Ser. No. 410,797. MILK PLANT SPECIALTIES CORPORATION, Rochester, N. Y. Filed Sept. 20, 1938.

EMPESCO

For Cleansing, Dissolving, and Sterilizing Chemicals.

Claims use since Aug. 29, 1938.

Ser. No. 410,802. A. D. SCHMIDT CO., San Francisco, Calif. Filed Sept. 20, 1938.

HY-MA-SIL

For Powder Preparation for Treating Antacid Conditions.

Claims use since June 10, 1938.

Ser. No. 410,843. NEVA-MOTH CORPORATION OF AMERICA, New York, N. Y. Filed Sept. 21, 1938.

NEVCO

For Odorless Chemical Processing Compound for Treating Furs, Clothing, Felts, Yarns, Knitting Yarns, Zephyr Yarns, Horsehair Bristles, Mohair, Slub Yarn, Carpet Yarn, Plush, Corded Materials, Blankets, Other Woolens, Furniture Drapes, Rugs, and Textiles Containing Either Wool or Mohair, to Render Them Mothproof.

Claims use since Sept. 6, 1938.

Ser. No. 410,859. CALORIDER CORPORATION, Old Greenwich, Conn. Filed Sept. 22, 1938.

DRYSAVE

For Deliquescent Material for Drying Air.

Claims use since Aug. 30, 1938.

Ser. No. 410,900. C. F. DALTON, Los Angeles, Calif. Filed Sept. 23, 1938.

BEAUTY of HOLLYWOOD

No claim is made to the name "Hollywood" apart from the mark.

For Cosmetics—Namely, Face Powder, Foundation Cream, Tissue Cream, Cleansing Cream, Beauty Pack, Almond Lotion, Powder Base, and Clear Astringent.

Claims use since Sept. 1, 1938.

Ser. No. 410,938. R. T. VANDERBILT COMPANY, INC., New York, N. Y. Filed Sept. 23, 1938.

ZOLITE

For Zolsitic Aplite (a Ceramic Flux) Used in Ceramic White Ware.

Claims use since Sept. 20, 1938.

Ser. No. 410,972. THE UPJOHN COMPANY, Kalamazoo, Mich. Filed Sept. 24, 1938.

Cortalex

For Medicinal Preparation To Be Used for the Treatment of Glandular and Vitamin Deficiencies.

Claims use since Mar. 29, 1938.

Ser. No. 410,975. NATIONAL CARBON COMPANY, INC., New York, N. Y. Filed Sept. 22, 1938.

STA-WAY

For Insect Repellent Lotion.

Claims use since June 10, 1938.

Ser. No. 410,980. JOHN H. BRECK, INC., Springfield, Mass. Filed Sept. 23, 1938.

Lemolux

For Preparations for the Hair.

Claims use since Apr. 13, 1938.

Ser. No. 411,141. WAGNER ELECTRIC CORPORATION, St. Louis, Mo. Filed Sept. 30, 1938.

21

For Fluid Composition for Use in Fluid Pressure Apparatus and Systems, Including Hydraulic Braking Apparatus.

Claims use since Oct. 1, 1934.

Ser. No. 411,298. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany. Filed Oct. 5, 1938.

Belvitan

For Hormone Preparations for Promoting Growth in Plants.

Claims use since May 1, 1938.

Ser. No. 411,489. CALGON INCORPORATED, Pittsburgh, Pa. Filed Oct. 11, 1938.

MICROMET

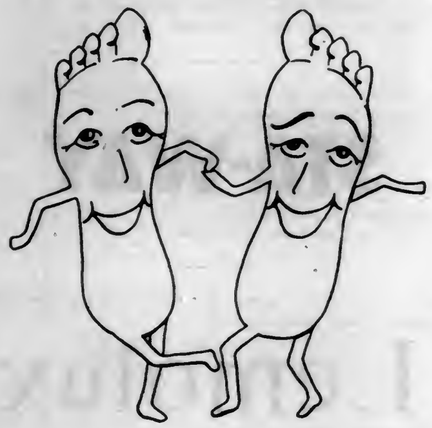
For Chemical Compound Having the Property of Preventing the Precipitation of Calcium and Magnesium Carbonate as Adherent Scale in Pipe Lines and Filter Beds Through Which Hard Waters Are Passed, When Added to the Water in Minute Amounts Reckoned in Parts per Million.

Claims use since Aug. 9, 1938.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 394,889. CRAMER'S FOOT COMFORT SHOP, Denver, Colo. Filed July 6, 1937.



For Paper Matches.
Claims use since Dec. 25, 1936.

Ser. No. 411,099. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn. Filed Sept. 29, 1938.

TARGETMASTER

For Firearms and Ammunition, Particularly Sporting Shotguns and Rifles, Parts Thereof, and Accessories Therefor, Metallic Cartridges, Metallic Shot Shells, Paper Shot Shells, Empty Metallic and Paper Shells, Blank Cartridges, Caps, Primers, Wads, Shot, and Bullets.
Claims use since Jan. 17, 1936, on firearms; since Apr. 20, 1938, on ammunition.

Ser. No. 411,169. LEE JERNIGAN, Portland, Oreg. Filed Oct. 1, 1938.

NIGHT HAWK

For Tear Gas Guns.
Claims use since Feb. 3, 1938.

Ser. No. 411,283. PREMIUM MATCH CO., INC., Chicago, Ill. Filed Oct. 4, 1938.

GOLD RUSH

For Matches.
Claims use since Oct. 1, 1938.

CLASS 11

Inks and Inking Materials

Ser. No. 409,112. STANDARD MANIFOLD COMPANY, Chicago, Ill. Filed July 30, 1938.

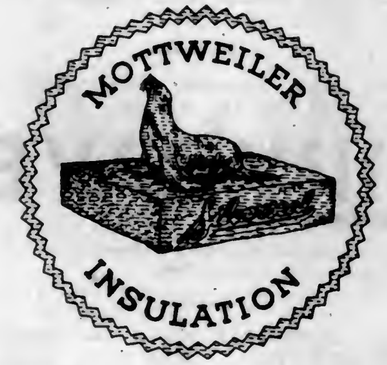
STAMCO

For Carbon Paper, Inked Ribbons, Manifolding Carbon Paper, Roll Carbon Paper, and Duplicating Fluid for Liquid Process Duplicating Machines.
Claims use since Aug. 15, 1930.

CLASS 12

Construction Materials

Ser. No. 399,104. OLIVER FREDRICK MOTTWEILER, Alexandria, Ind. Filed Oct. 29, 1937.



The word "Insulation" is disclaimed apart from the mark.
For Thermal Insulating Material.
Claims use since Sept. 30, 1937.

Ser. No. 410,165. THE BARRETT COMPANY, New York, N. Y. Filed Sept. 1, 1938.



For Felt for Building and Roofing Purposes.
Claims use since June 13, 1938.

Ser. No. 410,236. THE PARR PAINT & COLOR CO., Cleveland, Ohio. Filed Sept. 2, 1938.

ZINKROLASTIC

No claim is made to the words "The Resilient Zinc Chromate Base Compound."
For Viscid Compounds for Use in Glazing, Calking, and Pointing.
Claims use since Aug. 25, 1938.

Ser. No. 410,606. PARABOND CORPORATION OF AMERICA, Boston, Mass. Filed Sept. 15, 1938.

PARABOND

For Construction Materials, Comprising Latex Compounds, for Use as a Structural Joint.
Claims use since Apr. 1, 1936.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 409,992. CUTTER MANUFACTURING COMPANY, Cambridge, Mass. Filed Aug. 26, 1938.

ANCESTRAL

For Andirons, Fire Screens.
Claims use since January, 1934, on andirons; since Aug. 12, 1938, on screens.

Ser. No. 410,881. MARIA GROSSE, doing business as Dagmar Hi/Lo Enterprises, New York, N. Y. Filed Sept. 22, 1938.



For Drapery Hardware.
Claims use since Dec. 18, 1937.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 407,745. HENRY WIGGIN & COMPANY LIMITED, Millbank, London, England. Filed June 21, 1938.

BRIGHTRAY SUPER

The word "Super" is disclaimed apart from the mark.
For Nickel Chrome Alloy, Unwrought and Partly Wrought.
Claims use since November, 1937.

Ser. No. 410,794. LA SALLE STEEL COMPANY, Hammond, Ind. Filed Sept. 20, 1938.

La Led

For Steel Alloys Sold in the Form of Bars, Rods, and the Like.
Claims use since Sept. 2, 1938.

Ser. No. 411,018. ROSA E. TUTTLE, Newark, N. J. Filed Sept. 26, 1938.

Geo. S. Tuttle

The mark is a facsimile of the signature of Geo. S. Tuttle, deceased.
For Precious and Non-Ferrous Metals—Namely, Platinum Scrap, Gold Scrap, Silver Scrap, Copper Scrap, Palladium Scrap, Zinc Scrap, Nickel Scrap, Tin Scrap, Brass Scrap.
Claims use since Jan. 1, 1900.

Ser. No. 411,388. UNITED STATES SMELTING REFINING AND MINING COMPANY, Portland, Maine, and Boston, Mass. Filed Oct. 7, 1938.



For Zinc in Slabs or Pigs.
Claims use since Sept. 2, 1938.

Ser. No. 411,389. UNITED STATES SMELTING REFINING AND MINING COMPANY, Portland, Maine, and Boston, Mass. Filed Oct. 7, 1938.



For Zinc in Slabs or Pigs.
Claims use since Sept. 7, 1938.

CLASS 15

Oils and Greases

Ser. No. 405,741. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif. Filed Apr. 26, 1938.

CALVIS

For Liquid Hydrocarbon Polymers of Lubricating Oil Type Characterized by High Viscosity, Comparative Freedom from Color Bodies, Chemical Inertness, and Adhesiveness.
Claims use since Feb. 4, 1938.

Ser. No. 409,851. SOUTHERN FRICTION MATERIALS COMPANY, Charlotte, N. C. Filed Aug. 22, 1938.

7 WAY

For Penetrating Oil, Breaking-In Oil for New Motors, Valve Freeing Oil for Internal Combustion Engines, Carbon Removing Oil for Internal Combustion Engines, Lubricating Oil for General Lubricating Purposes, and a Lubricating Oil Suitable for Use in a Spraying Apparatus.
Claims use since June 22, 1938.

CLASS 16

Paints and Painters' Materials

Ser. No. 402,819. THE INDUSTRIAL PAINT AND PIGMENT COMPANY, Oklahoma City, Okla. Filed Feb. 8, 1938.

SUNTAN

For Ready Mixed Paints and Paste Paints.
Claims use since Oct. 1, 1936.

Ser. No. 404,712. HI-GLO PRODUCTS, New York, N. Y. Filed Mar. 31, 1938.

Velvo

For Polishing Wax for All Kinds of Floors.
Claims use since Dec. 23, 1937.

Ser. No. 404,866. THE PEP BOYS, MANNY, MOE & JACK, doing business as Varsity Products Company, Philadelphia, Pa. Filed Apr. 4, 1938.

Varsity

For Auto Polish.
Claims use since Feb. 1, 1938.

Ser. No. 409,353. LOUIS H. FRIEDMAN, doing business as Dry Color Paint Co., Los Angeles, Calif. Filed Aug. 8, 1938.

Stacoat

For Paint Enamel; Paints in Dry, Paste, and Ready Mixed Form; and Varnishes.
Claims use since Oct. 15, 1936.

CLASS 17

Tobacco Products

Ser. No. 409,500. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Aug. 12, 1938.



For Cigarettes.
Claims use since July 25, 1938.

Ser. No. 409,501. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Aug. 12, 1938.



For Cigarettes.
Claims use since July 25, 1938.

Ser. No. 409,502. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Aug. 12, 1938.



For Cigarettes.
Claims use since July 25, 1938.

Ser. No. 409,503. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Aug. 12, 1938.



For Cigarettes.
Claims use since July 25, 1938.

Ser. No. 409,504. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Aug. 12, 1938.



For Cigarettes.
Claims use since July 25, 1938.

Ser. No. 409,505. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Aug. 12, 1938.



For Cigarettes.
Claims use since July 25, 1938.

Ser. No. 409,506. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Aug. 12, 1938.



For Cigarettes.
Claims use since July 25, 1938.

Ser. No. 409,507. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Aug. 12, 1938.



For Cigarettes.
Claims use since July 25, 1938.

Ser. No. 411,460. LARUS & BROTHER COMPANY, Richmond, Va. Filed Oct. 10, 1938.

BLENDWORTH



For Tobacco—Namely, Smoking Tobacco, Including Granulated, Sliced, Plug, and Flake Plug.
Claims use since Sept. 21, 1938.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 409,025. ARNOLD, SCHWINN & Co., Chicago, Ill. Filed July 29, 1938.

DURAL

For Bicyles and Motorcycles, and Cycle Parts—Namely, Front Hubs, Rear Hubs, Special Hub Flanges, and Handle Bar Extensions.
Claims use since Apr. 1, 1938.

Ser. No. 410,845. PIPER AIRCRAFT CORPORATION, Lock Haven, Pa. Filed Sept. 21, 1938.



For Airplanes.
Claims use since Feb. 1, 1936.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 402,311. N. V. PHILIPS' GLOEILAMPENFABRIEKEN, Eindhoven, Netherlands. Filed Jan. 25, 1938.

PHILIDYNE

For Cycle Electric Lighting Sets, Dynamos, Electrical Head Lamps, Reflectors for Cycle Electric Lighting Sets, and Electrical Rear Lights.
Claims use since Oct. 12, 1937.

Ser. No. 402,313. N. V. PHILIPS' GLOEILAMPENFABRIEKEN, Eindhoven, Netherlands. Filed Jan. 25, 1938.

Tempomat

For Apparatus Used in Welding, for Timing Electric Impulses by Means of Thermionic Relay Valves.
Claims use since July 17, 1937.

Ser. No. 408,044. ARKANSAS FUEL OIL COMPANY, Shreveport, La. Filed June 30, 1938.

ACME

For Electrical Storage Batteries.
Claims use since September, 1929.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 408,927. WILLIAM K. MALBIN, doing business as Hoop-X Company, Muskegon Heights, Mich. Filed July 26, 1938.



No claim is made to the representation of the game pieces and the words "Play Hoop" apart from the mark.
For Game Played with a Hoop and Sticks.
Claims use since May, 1938.

Ser. No. 410,763. CORYDON M. JOHNSON, Freeport, Long Island, N. Y. Filed Sept. 19, 1938.



No claim is made to the words "Learn to Play" and "Play to Learn" apart from the mark.
For Card Games.
Claims use since Sept. 14, 1938.

Ser. No. 411,002. THE MACGREGOR COMPANY, Dayton, Ohio. Filed Sept. 26, 1938.

TOURNEY

For Golf Clubs and Parts Thereof, and Golf Balls.
Claims use since Oct. 5, 1937.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 382,417. AMERICAN SALES BOOK COMPANY, INC., Niagara Falls and Elmira, N. Y. Filed Aug. 21, 1936.



The word "Formaliner" is disclaimed apart from the mark.
For Machines for Feeding Paper, and Attachments and Parts of Such Machines, and Particularly for Machines for Feeding Paper in Relation to Recording Machines, Such as Tabulating Machines, Billing Machines, and other Typewriting Machines, and for Autograph Registers.
Claims use since Aug. 5, 1936.

Ser. No. 397,506. JOHN R. FITZGERALD, doing business as Tri-Pak Machinery Service, Harlingen, Tex. Filed Sept. 17, 1937.



For Fruit and Vegetable Grading and Sizing Machines.
Claims use since Feb. 28, 1934.

Ser. No. 405,596. DESOUTTER BROTHERS LIMITED, London, England. Filed Apr. 22, 1938.

POWER ATOM

The word "Power" is disclaimed except as shown.
For Portable Drilling and Screw-Driving Machines for Industrial Uses.
Claims use since 1936.

Ser. No. 411,007. NILES-BEMENT-POND COMPANY, Hartford, Conn. Filed Sept. 26, 1938.



For Metal Cutting and Grinding Machines.
Claims use since Oct. 1, 1935.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 408,588. UNIVERSAL CAMERA CORPORATION, New York, N. Y. Filed July 16, 1938.



For Cameras.
Claims use since May 9, 1938.

Ser. No. 408,628. UNIVERSAL CAMERA CORPORATION, New York, N. Y. Filed July 18, 1938.

VITAR

For Photographic Lenses.
Claims use since May 9, 1938.

Ser. No. 408,850. ROBERT M. LYNN, Los Angeles, Calif. Filed July 23, 1938.

Robert M. Lynn

The name, "Robert M. Lynn" is an exact reproduction of applicant's signature.

For Cameras and Parts Thereof, Sensitized Photographic Film, Photographic Film Developing Apparatus—Namely, a Tank with an Adjustable Reel or Core to Accommodate Different Sizes of Roll Film; Tanks of Various Sizes to Accommodate Cut Film and Film Packs of Various Sizes, with a Special Rack to Hold the Sizes; Tanks to Use Roll Film in Which the Film May Be Placed in the Tank in Daylight and All Other Operations Then Completed Without Removing to Dark Room; Photographic Film Printing Apparatus, Namely, a Printing Machine to Use "Strip" or 35 mm. Film, One or More Frames at a Time, also with the Photo-Electric Cell for Controlling the Photographic Light That Passes Through the Negative Material; Printers That Enlarge Negatives Slightly by Optical Projection of the Negative on to Sensitive Papers; Printers for High Speed Production of Photo Prints from Assorted Size Negatives; Photographic Film Enlarging Apparatus, Namely, Cameras with Electric Light Source Which Is Projected Through an Optical Field, Thence Through Negatives and Lens with Adjustments for Various Sizes of Negatives and Projected Prints; Focusing System by Helical Mounts and Knurled Knobs Actuating on Bar of Roughened Steel for Friction; also Enlarging Apparatus with Series of Mirrors Projecting the Image on a Table and Then Placing Paper as is Usual with Printers; Photographic Film Storage Utensils and Materials Consisting of Paper Holders for Enlargers, Masking Devices for Negatives, Holders for Binding Glass Slides, Adaptors for Various Size Lenses, Extension Tubes for Various Cameras, Lens Shades, Lens Shade and Filter Holder Combination to Fit All Cameras, Tripods and Attachments, Film Punches, Washers, Etc.; Viewing Devices for Slides and Negatives; and Optical Glass Filters.
Claims use since Feb. 17, 1937.

Ser. No. 409,696. PORA-JIGA, INC., New York, N. Y. Filed Aug. 17, 1938.

PORA-

JIGA

For Devices Adapted to be Attached to Bottles or Other Containers for Delivering Measured Quantities of Liquid from Such Receptacles or Containers.
Claims use since June 29, 1938.

Ser. No. 410,409. HENRY T. SCHIFF, Chicago, Ill. Filed Sept. 9, 1938.

REGAL

For Cameras, Photographic Lenses, and Sensitized Photographic Films.
Claims use since July 7, 1935.

Ser. No. 410,824. BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y. Filed Sept. 21, 1938.

ZEPHYR

For Binoculars and Field Glasses.
Claims use since July 19, 1938.

Ser. No. 410,872. VALSTS ELEKTROTECHNISKĀ FABRIKA, Riga, Latvia. Filed Sept. 22, 1938.

MINOX

For Photographic Films, Film Coils, and Packages Therefor.
Claims use since Jan. 10, 1938.

CLASS 27

Horological Instruments

Ser. No. 403,862. ELGIN NATIONAL WATCH COMPANY, Elgin, Ill. Filed Mar. 9, 1938.

BERYL-X

For Watch Balances.
Claims use since Feb. 23, 1938.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 406,366. ASSOCIATED ATTLEBORO MANUFACTURERS, INC., Attleboro, Mass. Filed May 16, 1938.

MAJESTIC

For Bracelets.
Claims use since Apr. 25, 1938.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 409,719. WECO PRODUCTS COMPANY, Chicago, Ill. Filed Aug. 17, 1938.



The drawing is lined for blue, red, and yellow. No claim is made to the representation of the goods or to the representation of the label per se apart from the mark.
For Tooth Brushes.
Claims use since June 22, 1938.

CLASS 30

Crockery, Earthenware, and Porcelain

Ser. No. 411,024. AARON BECK, New York, N. Y. Filed Sept. 26, 1938.



The word "China" is disclaimed.
For Ceramic Table Ware and Vases.
Claims use since Sept. 1, 1937.

CLASS 32

Furniture and Upholstery

Ser. No. 407,698. E. D. TAYLOR, Los Angeles, Calif. Filed June 20, 1938.

SUN FURNITURE

No claim is made to the word "Furniture" apart from the mark.
For Outdoor and Garden Furniture.
Claims use since June 1, 1938.

Ser. No. 410,359. CONTINENTAL CUSHION SPRING COMPANY, Chicago, Ill. Filed Sept. 8, 1938.

TEENIE TOT

For Children's Chairs.
Claims use since Sept. 1, 1938.

Ser. No. 410,811. D. N. & E. WALTER & Co., San Francisco, Calif. Filed Sept. 20, 1938.

WALCO

For Venetian Blinds.
Claims use since July 1, 1913.

Ser. No. 411,097. KATE MIRALLES, doing business as Symbol Novelty Company, Long Island City, N. Y. Filed Sept. 29, 1938.



The term "Tab" and the representation of the hand mirror are disclaimed apart from the mark.
For Hand Mirrors.
Claims use since June 8, 1938.

CLASS 33

Glassware

Ser. No. 410,560. RUSSELL STOVER, doing business as Zephyr Freeze Company, Kansas City, Mo. Filed Sept. 14, 1938.

Zephyr FREEZE

For Beverage Glasses.
Claims use since June 15, 1937.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 410,632. INDIAN PRODUCTS CORPORATION, Chicago, Ill., assignor to Joseph Alvin Steinbraker, Chicago, Ill. Filed Sept. 16, 1938.

Koolroom

For Air Conditioning Units.
Claims use since Nov. 8, 1937.

CLASS 36

Musical Instruments and Supplies

Ser. No. 398,564. C. G. CONN, LTD., Elkhart, Ind. Filed Oct. 16, 1937.



The word "Clarion" is disclaimed apart from the mark.
For Cornets, Trumpets, Fluegelhorns, French Horns, Trombones, Euphoniums, Baritones, Basses, Sousaphones, Alto Horns, Mellophones, Saxophones, Clarinets, Flutes, Piccolos, Sarrusophones, Bassoons, Oboes, and Bugles and Accessories Therefor.
Claims use since Sept. 2, 1937.

Ser. No. 408,347. JORDAN MARSH COMPANY, Boston, Mass. Filed July 9, 1938.



JORDAN

The word "Jordan" used alone as a surname or as a geographical term is disclaimed.
For Pianos.
Claims use since October, 1936.

Ser. No. 410,367. CHRISTIAN KRATT, New York, N. Y. Filed Sept. 8, 1938.

VIBRO-STEEL

The word "Steel" is disclaimed apart from the mark.
For Harmonicas.
Claims use since Feb. 7, 1938.

Ser. No. 410,793. KRAUTH & BENNINGHOFEN, Hamilton, Ohio. Filed Sept. 20, 1938.

NU-ERA

For Music Stand.
Claims use since July 19, 1938.

Ser. No. 410,854. AMERICAN PROCA CORPORATION, New York, N. Y. Filed Sept. 22, 1938.

Vocagraph

For Phonographs.
Claims use since May 25, 1938.

CLASS 37

Paper and Stationery

Ser. No. 408,618. NATIONAL RETAILER-OWNED GROCERS, INC., Chicago, Ill. Filed July 18, 1938.

SOFLIN

For Cleansing Tissues, Paper Towels, and Toilet Paper.
Claims use since Aug. 3, 1934, on toilet paper; since May, 1936, on cleansing tissues; since January, 1936, on paper towels.

Ser. No. 411,284. JOHN E. RUSSELL, doing business as Jack Russell, Scranton, Pa. Filed Oct. 4, 1938.

BIRTH-O-GRAPH

For Photographic Card Mount.
Claims use since Dec. 10, 1937.

Ser. No. 411,867. BRADNER SMITH & COMPANY, Chicago, Ill. Filed Oct. 7, 1938.



For Bond and Writing Paper; Typewriter Paper; Gift Wrapping Paper; Toilet Tissue; Offset Paper; Cover Paper and Envelopes; Book Paper; Label Paper; Greeting Card Paper; Papeterie Paper; Coated and Uncoated Blanks; Adding Machine Rolls; Copy Sheets; Box Covering Paper; Cash Register Rolls; Stenographer Note Books; Writing Tablets; Loose Leaf Fillers; File Folders; Duplicator Paper, Blotting Paper; Card Boards, Stationery Packed in Boxes; Ledger Paper; Drawing Paper; Lithograph Paper; Announcement Paper; Coated and Uncoated Bristol; Ruled Writing Tablets; and Wrapping Paper.
Claims use since 1931.

CLASS 38

Prints and Publications

Ser. No. 409,191. THE COLLECTAGUIDE CO., New York, N. Y. Filed Aug. 3, 1938.



For Looseleaf Sheets or Pamphlets Issued from Time to Time Containing Historical, Scientific or Other Information of Interest in Special Fields.
Claims use since Mar. 24, 1938.

Ser. No. 409,817. MONMOUTH COUNTY COUNCIL, VETERANS OF FOREIGN WARS OF THE UNITED STATES, Long Branch, N. J. Filed Aug. 20, 1938.

Players Good Fortune

For Booklets of Tickets Sold in the Trade as Such.
Claims use since 1934.

Ser. No. 410,631. THE BELL SYNDICATE, INC., New York, N. Y. Filed Sept. 16, 1938.

Beauty and You

For Series of Newspaper Features.
Claims use since July 3, 1938.

CLASS 39

Clothing

Ser. No. 396,209. STANDARD GARMENT CO. INC., New York, N. Y. Filed Aug. 9, 1937.



WHIRLWIND

For Ladies', Misses', and Girls' Dresses, Outer-Skirts, Blouses, Suits, Coats, Capes, Aprons, Culottes, Uniforms for Nurses, Cooks, Maids, Waitresses, Manicurists, Demonstrators, Beauticians and House Use, Underwear, Slips, Pajamas, Negligees, Panties, Nightgowns, Under-Vests, Bloomers, Brassières, Union-Suits, and House Coats.
Claims use since July 29, 1937.

Ser. No. 404,440. THE HAVERFIELD COMPANY, Columbus, Ohio. Filed Mar. 24, 1938.



CARNATION *Hats*

The word "Hats" is disclaimed apart from the mark.
For Hats for Women and Misses.
Claims use since Mar. 17, 1938.

Ser. No. 405,408. J. SCHOENEMAN, INC., Baltimore, Md. Filed Apr. 18, 1938.

Coverdine

For Coats, Vests, Trousers, Knickerbockers, Top Coats, and Overcoats for Men, Youths, and Boys.
Claims use since Apr. 13, 1938.

Ser. No. 405,642. GREAT WESTERN GLOVE CO., Jasper, Ind. Filed Apr. 23, 1938.



For Gloves and Mittens Made from Canton Flannel, Jersey, Cotton, Leather, and Combinations Thereof.
Claims use since Sept. 1, 1936.

Ser. No. 405,643. GREAT WESTERN GLOVE CO., Jasper, Ind. Filed Apr. 23, 1938.



The word "Economy" is disclaimed except as shown.
For Gloves and Mittens Made from Canton Flannel, Jersey, Cotton, Leather, and Combinations Thereof.
Claims use since Sept. 1, 1936.

Ser. No. 405,781. ROBERT REIS & COMPANY, New York, N. Y. Filed Apr. 27, 1938.

REIS-CLIX

No claim is made to the word "Reis" per se.
For Men's Underwear.
Claims use since Apr. 25, 1938.

Ser. No. 406,538. WEMBLEY, INC., New Orleans, La. Filed May 19, 1938.



Applicant disclaims the word "Wembley" apart from the mark.
For Cravats.
Claims use since 1928.

Ser. No. 406,921. MYRON C. DEGNON, doing business as Tippy-Tippy Company, New York, N. Y. Filed May 31, 1938.

Tippy-Tippy

For Women's Hats.
Claims use since May 18, 1938.

Ser. No. 407,191. MEYER MARGOLIN, Elgin, Ill. Filed June 7, 1938.

AIR-WALKER

For Women's and Misses' Shoes of Leather, Fabric, and Combinations Thereof.
Claims use since July 12, 1937.

Ser. No. 408,966. THE PRINTZ BIEDERMAN COMPANY, Cleveland, Ohio. Filed July 27, 1938.

"Casualaire" FASHION

The word "Fashion" is disclaimed apart from the mark.
For Women's Coats and Suits.
Claims use since May 15, 1938.

Ser. No. 409,338. THE ALLEN-A COMPANY, Bennington, Vt. Filed Aug. 8, 1938.

Allengora

For Men's and Boys' Hosiery and Sweaters.
Claims use since June 27, 1938.

Ser. No. 409,477. MAAS BROTHERS, INC., Tampa, Fla. Filed Aug. 11, 1938.



The phrase "Pan-Amerique Fashion" and the maps of the Western Hemisphere are disclaimed apart from the mark.
For Wearing Apparel for Women and Children—Namely, Play Suits, Bathing Suits, Dresses, Suits, Shoes Made of Leather or Fabric or of Combinations Thereof, Hats, Sweaters, Outer Skirts, Outer Shirts, Blouses, Hosiery, Handkerchiefs, Collars, Gloves Made of Leather and Fabric, and Underwear.
Claims use since May 26, 1938.

Ser. No. 410,045. PHIPPS HAT WORKS, INCORPORATED, New York, N. Y. Filed Aug. 27, 1938.



For Ladies' Hats.
Claims use since Aug. 15, 1938.

Ser. No. 410,228. LAMM BROTHERS, INCORPORATED, Baltimore, Md. Filed Sept. 2, 1938.

GLENCAMEL

For Sport Coats, Suits, Topcoats, Reversible Coats, and Overcoats Containing a Substantial Content of Camel's Hair for Men, Women, and Children.
Claims use since 1934.

Ser. No. 410,232. THE MAY DEPARTMENT STORES COMPANY, New York, N. Y.; Akron, Ohio; Baltimore, Md.; Cleveland, Ohio; Denver, Colo.; Los Angeles, Calif.; and St. Louis, Mo. Filed Sept. 2, 1938.

STEEL-SPUN

The word "Spun" is disclaimed except as shown.
For Youths', Preps', and Boys' Clothing—Namely, Suits and Overcoats.
Claims use since July 30, 1938.

Ser. No. 410,272. SOUTHBRIDGE FINISHING COMPANY, Southbridge, Mass. Filed Sept. 3, 1938.

HIPI-HAPA

For Women's and Misses' Housecoats, Dresses, Aprons, and Negligees, and Men's, Women's, and Misses' Smocks, Jackets, Beach Jackets, Lounging Jackets, and Lonnging Robes.
Claims use since April, 1938.

Ser. No. 410,287. WALTER BOOTH SHOE COMPANY, Milwaukee, Wis. Filed Sept. 6, 1938.



Applicant disclaims the phrase "The Booth Shoe" except as shown.
For Boots and Shoes Made of Leather, or a Combination of Rubber and Leather, or a Combination of Leather and Fabric.
Claims use since Nov. 22, 1937.

Ser. No. 410,432. JANESVILLE CLOTHING COMPANY, Janesville, Wis. Filed Sept. 10, 1938.

BLUE OX

For Overalls, Work Pants and Jackets, "Coveralls", Windbreakers, Mackinaws for Men and Boys.
Claims use since Sept. 1, 1938.

Ser. No. 410,502. ETTELBRICK SHOE COMPANY, Greenup, Ill. Filed Sept. 13, 1938.

LITTLE BUSYBODY

For Children's Shoes Made of Leather, Fabric, and a Combination of Said Materials.
Claims use since July 29, 1938.

Ser. No. 410,659. ROYAL CLOTHING COMPANY, Philadelphia, Pa. Filed Sept. 16, 1938.

Fleet-Weave

No claim is made to the word "Weave" apart from the mark.
For Men's and Young Men's Top Coats and Overcoats.
Claims use since Aug. 17, 1938.

Ser. No. 410,776. CONTINENTAL MILLS, INC., Philadelphia, Pa. Filed Sept. 20, 1938.

GLO-DOWN

For Men's and Boys' Coats and Suits and Women's, Girls', and Children's Coats, Suits, Cloaks, and Capes.
Claims use since Aug. 5, 1938.

Ser. No. 410,778. THE ENRO SHIRT CO., Louisville, Ky. Filed Sept. 20, 1938.

"Low Boy"

For Men's Negligee, Dress, and Sport Shirts, and Pajamas.
Claims use since Sept. 10, 1938.

Ser. No. 410,779. THE ENRO SHIRT CO., Louisville, Ky. Filed Sept. 20, 1938.

Palm Cool

The word "Cool" is disclaimed apart from the mark.
For Men's Negligee, Dress, and Sport Shirts, and Pajamas.
Claims use since Sept. 10, 1938.

Ser. No. 410,832. DAVID DASHEFSKY, Philadelphia, Pa. Filed Sept. 21, 1938.


DASHRITE

For Hosiery and Underwear for Men, Women, and Children.
Claims use since July, 1936.

Ser. No. 410,861. CONTINENTAL MILLS, INC., Philadelphia, Pa. Filed Sept. 22, 1938.

CRETOUR

For Men's and Boys' Coats and Suits and Women's, Girls', and Children's Coats, Suits, Cloaks, and Capes.
Claims use since Aug. 5, 1938.

Ser. No. 410,888. PINCUS BROS., INC., Philadelphia, Pa., assignor to Brown Clothing Company, Minneapolis, Minn. Filed Sept. 23, 1938.

Bon-A-Cuna

For Suits, Coats, Vests, Pants, Topcoats, and Overcoats for Men.
Claims use since January, 1938.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 410,265. MERVIN WAVE CLIP CO., INC., New York, N. Y. Filed Sept. 3, 1938.

WAVE-O-MATIC

For Non-Electrical Hair Wavers.
Claims use since June 27, 1938.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 382,694. WILLIAM WILLHEIM COMPANY, INC., New York, N. Y. Filed Aug. 28, 1936.

Mardi Gras Prints

The word "Prints" is disclaimed except as shown.
For Silk, Cotton, and Rayon Piece Goods, and Combinations Thereof.
Claims use since Aug. 25, 1936.

Ser. No. 404,549. LOUIS J. SCHWARTZ, doing business as Standard Embroidery Company, Philadelphia, Pa. Filed Mar. 26, 1938.

Elasking

For Embroidered Fabrics in the Piece, Including Particularly Smocking, Containing Threads of Rubber or Like Elastic Material.
Claims use since Mar. 15, 1938.

Ser. No. 405,821. POWDRELL & ALEXANDER, INC., Danielson, Conn. Filed Apr. 28, 1938.

CHENELLY

For Curtain Materials in the Piece and Made Exclusively of Cotton.
Claims use since Apr. 26, 1938.

Ser. No. 409,062. JOSEPH D. SHAKOW, INC., New York, N. Y. Filed July 29, 1938.

Hubbard Cloth

The word "Hubbard" is in the handwriting of Father Bernard R. Hubbard, S. J. The word "Cloth" is claimed only in association with the other features of the mark.
For Textile Fabrics in the Piece Made of Cotton, Silk, Wool, Worsted, and Artificial Thread Yarns.
Claims use since Mar. 29, 1937.

Ser. No. 409,554. BARTMANN & BIXER INC., New York, N. Y. Filed Aug. 13, 1938.



The words "Fashion Curtain" are disclaimed apart from the mark.
For Window Curtains.
Claims use since July 1, 1938.

Ser. No. 409,973. MORTON SUNDOUR FABRICS LIMITED, Carlisle, England. Filed Aug. 25, 1938.

SUNDOUR

For Cloths and Stuffs of Wool, Worsted, or Hair; Piece Goods of Silk or Artificial Silk, or in Which Such Materials Predominate; Bedspreads, Pillow Cases, Bolster Cases, Table Covers, Table Mats, Quilts, Valances, Curtains, Cushion Covers, Chair Covers, Lace Curtains, Muslin Curtains, Nets, Wall Panels, Cushions, Serviettes, Bed Hangings, Blankets, Rugs, Mats, Matting, Carpets and Floorcloth such as Drugget; Furnishings and Drapery, Window Blinds, Window Hangings and Bed Furnishings.
Claims use since Oct. 17, 1906.

Ser. No. 410,146. RIEGEL TEXTILE CORPORATION, New York, N. Y. Filed Aug. 31, 1938.

Riegelized

For Cotton, Cotton and Rayon, and Rayon Piece Goods.
Claims use since Mar. 1, 1935.

Ser. No. 410,273. SOUTHBRIDGE FINISHING COMPANY, Southbridge Mass. Filed Sept. 3, 1938.

HIPI-HAPA

For Cotton Piece Goods.
Claims use since April, 1938.

Ser. No. 410,282. YALE FABRICS CORP., New York, N. Y. Filed Sept. 3, 1938.



For Silk, Cotton, and Rayon Piece Goods, and Combinations Thereof.
Claims use since Aug. 25, 1938.

Ser. No. 410,299. THE MAY DEPARTMENT STORES COMPANY, New York, N. Y.; Akron, Ohio; Baltimore, Md.; Cleveland, Ohio; Denver, Colo.; St. Louis, Mo.; and Los Angeles, Calif. Filed Sept. 6, 1938.

RUSS-LING

For Taffeta Piece Goods Made of Silk and Rayon, and Combinations Thereof.
Claims use since Aug. 31, 1938.

Ser. No. 410,381. WAMSUTTA MILLS, New Bedford, Mass. Filed Sept. 8, 1938.

WAMCO

For Cotton Piece Goods, Sheets, and Pillow Cases.
Claims use since Dec. 2, 1937.

CLASS 43

Thread and Yarn

Ser. No. 410,342. TENNESSEE EASTMAN CORPORATION, Kingsport, Tenn. Filed Sept. 7, 1938.

VILLATEC

For Rayon Yarn.
Claims use since Aug. 4, 1938.

Ser. No. 410,899. CALLAWAY MILLS, LaGrange, Ga. Filed Sept. 23, 1938.

QUALTEX

For Yarn.
Claims use since 1930.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 384,232. AMERICAN MEDICAL SPECIALTIES CO. INC., New York, N. Y. Filed Oct. 12, 1936.



No claim is made to the word "Product" apart from the mark.
For Blood Pipettes.
Claims use since Nov. 30, 1931.

Ser. No. 408,060. ANTON ILG, Zurich, Switzerland. Filed June 30, 1938.



No claim is made to the word "Compressa" apart from the mark.
For Sterilizers and Compressors for Medical Bandages, Medical Inhalers, and Parts Therefor.
Claims use since January, 1935.

Ser. No. 410,830. CO-ORAL-ITE DENTAL MANUFACTURING CO., Santa Monica, Calif. Filed Sept. 21, 1938.

ACRALENE

For Synthetic Resin Material for Making Artificial Dentures.
Claims use since Sept. 1, 1938.

Ser. No. 411,148. BAN-DIJ-IT COMPANY, New York, N. Y. Filed Oct. 1, 1938.

BAN-DIJ-IT

For Finger Bandages.
Claims use since Jan. 15, 1938.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 396,519. THE TOPEKA WHOLESALE GROCERY CO., Topeka, Kans. Filed Aug. 17, 1937.

Jo-Andy

For Canned Fruits and Vegetables; Macaroni Products—Namely, Alimentary Pastes; Corn Flakes, Rolled Oats Sold as a Breakfast Food, Bran Flakes, Salad Dressing, Canned Fish, Jelly, Catsup, and Sandwich Spread.
Claims use since May, 1922.

Ser. No. 399,224. DAREN, LIMITED, Dartford, England. Filed Nov. 2, 1937.

DAR-WEATA

For Biscuits.
Claims use since Sept. 7, 1937.

Ser. No. 401,437. HUBER PACKING COMPANY, INC., Olympia, Wash. Filed Dec. 31, 1937.

MIDFIELD

For Canned Fruits.
Claims use since Aug. 24, 1934.

Ser. No. 401,468. BROZINSKYS BAKERY INC., Brooklyn, N. Y. Filed Jan. 3, 1938.



The words "Gud Helth" are disclaimed apart from the mark. The drawing is lined for red and brown.
For Bread and Pumpernickel.
Claims use since October, 1936.

Ser. No. 405,161. HILLSBORO-QUEEN ANNE COOPERATIVE CORP., Baltimore and Queen Anne, Md. Filed Apr. 12, 1938.

H·Q·A

For Fresh and Canned Vegetables.
Claims use since Apr. 18, 1932.

Ser. No. 408,030. MOORMAN MANUFACTURING COMPANY, Quincy, Ill. Filed June 29, 1938.

Mintrate

For Feeds for Poultry.
Claims use since Feb. 15, 1938.

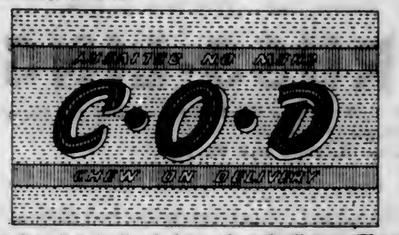
Ser. No. 408,742. THE DEBUS CORPORATION, Hastings, Nebr. Filed July 21, 1938.

DEBUS

BLO-NUPS
FOR YOUTHS AND GROWN-UPS

The surname "Debus" and the phrase "For Youths and Grown-Ups" are disclaimed apart from the association shown.
For Prepared Wheat and Rice in Puffed or Exploded Form.
Claims use since Nov. 27, 1937.

Ser. No. 409,198. M. J. HOLLOWAY & Co., Chicago, Ill. Filed Aug. 3, 1938.



The drawing is lined for red and silver. The word "Chew" is disclaimed apart from the mark.
For Candy.
Claims use since Mar. 15, 1924.

Ser. No. 409,535. RONALD MEYER, doing business as Ronald Meyer Popcorn Co., Carnarvon, Iowa. Filed Aug. 12, 1938.



The word "Popcorn" is disclaimed apart from the mark.
For Canned Popcorn in Its Natural State.
Claims use since July 19, 1938.

Ser. No. 409,628. A. E. STEWART and M. H. STEWART, doing business as Graino Feed Mills, Greensboro, N. C. Filed Aug. 15, 1938.



The words "Greensboro, N. C." are disclaimed apart from the mark.
For Poultry Feed for All Kinds of Poultry.
Claims use since Mar. 1, 1935.

Ser. No. 409,947. TOPEKA FLOUR MILLS CORPORATION, Topeka, Kans. Filed Aug. 24, 1938.



For Wheat Flour.
Claims use since Oct. 25, 1915.

Ser. No. 410,020. CEREAL PRODUCTS CO., Spokane, Wash. Filed Aug. 27, 1938.

CLIX

For Dog Food.
Claims use since May 25, 1938.

Ser. No. 410,510. WILLIAM CLAIRE KIMBROUGH, doing business as Abbeville Packing Co., Lafayette, La. Filed Sept. 13, 1938.

Lusian

For Canned Figs in Syrup, Canned Vegetables, Canned Berries, Canned Potatoes, and Canned Oysters.
Claims use since April, 1937.

Ser. No. 410,649. FLAN COMPANY, Cleveland, Ohio. Filed Sept. 16, 1938.

flan

For Custard Dessert.
Claims use since July 10, 1938.

Ser. No. 410,751. SCHUTTER CANDY COMPANY, Chicago, Ill. Filed Sept. 19, 1938.



The words "Full of Walnuts" and "Schutter's" and the designation "5¢" are disclaimed apart from the mark.
For Candy.
Claims use since Oct. 15, 1937.

Ser. No. 410,848. ROCKY MOUNTAIN PACKING CORPORATION, Salt Lake City, Utah. Filed Sept. 21, 1938.

TWIN PEAKS

For Frozen Vegetables, Frozen Fruits, and Frozen Poultry.
Claims use since July 12, 1938.

Ser. No. 410,903. A. W. FISH, Plantsville, Conn. Filed Sept. 23, 1938.



For Canned Soups.
Claims use since Aug. 1, 1938.

Ser. No. 411,136. PEASE-MOORE MILLING CO., West Plains, Mo., and Memphis, Tenn. Filed Sept. 30, 1938.

ROYAL EAGLE

For Wheat Flour.
Claims use since 1920.

Ser. No. 411,187. SEVILLA OLIVE PACKING COMPANY, Tampa, Fla. Filed Oct. 1, 1938.

Siluia

For Bottled Olives, Olive Oil, and Cherries.
Claims use since Sept. 1, 1938.

Ser. No. 411,202. AMERICAN POP CORN COMPANY, Sioux City, Iowa. Filed Oct. 3, 1938.

Fireside

For Raw Pop Corn.
Claims use since Dec. 1, 1922.

Ser. No. 411,221. GLASER, CRANDELL CO., Chicago, Ill. Filed Oct. 3, 1938.

CRADLE BABY

For Jams.
Claims use since Sept. 15, 1938.

Ser. No. 411,251. M. J. SATTINGER, doing business as A. B. C. Packing Company, Los Angeles, Calif. Filed Oct. 3, 1938.

A.B.C.

For Canned Dog and Cat Food.
Claims use since Jan. 2, 1936.

CLASS 47

Wines

Ser. No. 407,369. DE LA SALLE INSTITUTE, doing business as Mont La Salle Vineyards, Napa, Calif. Filed June 11, 1938.

CHRISTIAN BROTHERS

For Wines.
Claims use since Mar. 28, 1938.

Ser. No. 410,941. THE YOUNGSTOWN WHOLESALE GROCERY AND WINE COMPANY, Youngstown, Ohio. Filed Sept. 23, 1938.



For Wines.
Claims use since Jan. 21, 1935.

CLASS 48

Malt Beverages and Liquors

Ser. No. 397,371. O'KEEFE'S BREWING COMPANY LIMITED, Toronto, Ontario, Canada. Filed Sept. 13, 1937.





The representations of the labels are disclaimed per se and the words "Old York Ale" and "Toronto, Canada", are disclaimed apart from the mark. The drawing is lined for red and gold.
For Ales, Beers, Lagers, Porters, and Stouts.
Claims use since Sept. 1, 1936.

Ser. No. 409,488. PENICK & FORD, LTD. INCORPORATED, New York, N. Y. Filed Aug. 11, 1938.

PENFORD

For Refined Grits for Use as Brewers' Adjunct.
Claims use since Nov. 5, 1923.

Ser. No. 410,336. OLD DUTCH BREWERS, INC., New York, N. Y. Filed Sept. 7, 1938.

MALTOLA

For Non-Alcoholic Malt Beverages.
Claims use since Aug. 20, 1938.

Ser. No. 410,362. THE HEIDELBERG BREWING COMPANY, Covington, Ky. Filed Sept. 8, 1938.

Heirloom of Bäden Beer

No claim is made to the words "Baden Beer" apart from the mark.
For Beer.
Claims use since July 10, 1938.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 394,375. KRAUS BROS. & CO. INC., New York, N. Y. Filed June 22, 1937.

IMPERIAL GROWN

MONOGRAM WHISKEY

No claim is made to the word "Whiskey" apart from the mark.
For Whiskey.
Claims use since Jan. 2, 1882.

Ser. No. 410,077. GREENBROS, INC., Cincinnati, Ohio. Filed Aug. 29, 1938.



The picture is that of an imaginary individual of Scotch type known to applicant's trade as Andy McDuff. No claim is made to the outline of a label.
For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials and Cocktails.
Claims use since Oct. 9, 1937.

Ser. No. 410,434. JULIUS LOESER COMPANY, INC., Chicago, Ill. Filed Sept. 10, 1938.



SCOT'S LORE

For Scotch Type Whiskey.
Claims use since Nov. 19, 1936.

Ser. No. 410,940. R. C. WILLIAMS & CO., INC., New York, N. Y. Filed Sept. 23, 1938.

RCW

For Whiskey.
Claims use since Sept. 15, 1938.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 394,490. KALI MANUFACTURING CO., Philadelphia, Pa. Filed June 25, 1937.



For Textiles That Have Been Treated to Render Them Waterproof.
Claims use since Apr. 1, 1937.

Ser. No. 409,329. NORTHWESTERN ELECTROTYPE CO., Menasha, Wis. Filed Aug. 6, 1938.

NECO-TYPE

The word "Type" is disclaimed apart from the mark.
For Rubber Plates, Electrotypes, and Engraving Plates Used for Printing.
Claims use since May 11, 1938.

Ser. No. 409,585. LEO PERRY, doing business as Whitewater Garment Company, Whitewater, Wis. Filed Aug. 13, 1938.



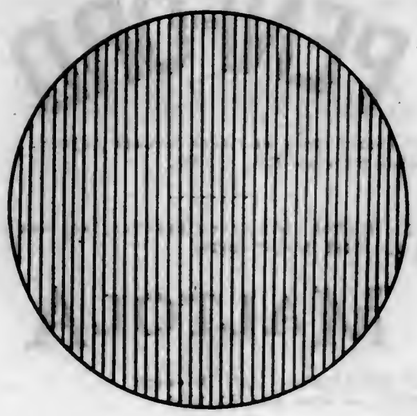
The human figures are fanciful.
For Food Covers Made of Oil Silk Fabric and Used in Refrigerators for Covering Food Stuffs.
Claims use since Feb. 5, 1935.

Ser. No. 409,996. GARTEN TABLE PAD COMPANY, INC., Philadelphia, Pa. Filed Aug. 26, 1938.

MON-O-PAD
for
BETTER
TABLE
PROTECTION

The words "Pad" and "For Better Table Protection" are disclaimed.
For Table Pads.
Claims use since Mar. 15, 1933.

Ser. No. 411,232. MISHAWAKA RUBBER AND WOOLEN MANUFACTURING COMPANY, Mishawaka, Ind. Filed Oct. 3, 1938.



The drawing is lined for red.
For Padding Composed Chiefly of Spange Rubber.
Claims use since Jan. 1, 1938.

Ser. No. 411,340. LEO PERRY, doing business as Whitewater Garment Company, Whitewater, Wis. Filed Oct. 6, 1938.

MIST-O-SILK

No claim is made to the word "Silk" apart from the mark.
For Waterproof and Silk Fabrics.
Claims use since December, 1936.

Ser. No. 411,341. LEO PERRY, doing business as Whitewater Garment Company, Whitewater, Wis. Filed Oct. 6, 1938.



The drawing is lined for blue, yellow, brown, green, red, and yellow. No claim is made to the representation of the goods apart from the mark.
For Bowl and Pantry Dish Covers Made of Waterproof Material, Such as Oil Silk.
Claims use since Sept. 3, 1938.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

NOVEMBER 22, 1938

362,522. ENAMELED METAL COOKING AND TABLE HOLLOW-WARE, PORTABLE BATH TUBS, COMBINETS, AND CHAMBERS. LISK MANUFACTURING CO. LTD., Canandaigua, N. Y.
Filed February 26, 1937. Serial No. 389,423. PUBLISHED SEPTEMBER 13, 1938. Class 13.

362,523. TUBULAR AND ENVELOPE-LIKE MERCHANDISE CONTAINERS. IVERS-LEE COMPANY, Newark, N. J.
Filed March 12, 1937. Serial No. 389,991. PUBLISHED AUGUST 30, 1938. Class 2.

362,524. CANNED GOODS AS FOLLOWS—APRICOTS, ARTICHOKES, ASPARAGUS TIPS, BARTLETT PEARS, BEETS, ETC. WAPLES PLATTER COMPANY, Fort Worth, Tex.
Filed May 24, 1937. Serial No. 393,192. PUBLISHED SEPTEMBER 13, 1938. Class 46.

362,525. ASSORTED SANDWICH SPREADS. FRANCIS H. LEGGETT & COMPANY, New York, N. Y.
Filed June 24, 1937. Serial No. 394,463. PUBLISHED SEPTEMBER 13, 1938. Class 46.

362,526. CARPET SWEEPERS. SEARS, ROEBUCK AND Co., Chicago, Ill.
Filed July 31, 1937. Serial No. 395,884. PUBLISHED SEPTEMBER 13, 1938. Class 23.

362,527. SILLS FOR REFRIGERATOR CAR DOORS AND THE LIKE. THE AMERICAN BRAKE SHOE AND FOUNDRY COMPANY, New York, N. Y.
Filed August 2, 1937. Serial No. 395,891. PUBLISHED SEPTEMBER 13, 1938. Class 19.

362,528. AIRPLANES AND STRUCTURAL PARTS THEREOF. DOUGLAS AIRCRAFT COMPANY, INC., Santa Monica, Calif.
Filed August 11, 1937. Serial No. 396,261. PUBLISHED SEPTEMBER 13, 1938. Class 19.

362,529. AIRPLANES AND STRUCTURAL PARTS THEREOF. DOUGLAS AIRCRAFT COMPANY, INC., Santa Monica, Calif.
Filed August 11, 1937. Serial No. 396,263. PUBLISHED SEPTEMBER 13, 1938. Class 19.

362,530. READY-MIXED PAINTS. COOK PAINT & VARNISH COMPANY, North Kansas City, Mo.
Filed August 25, 1937. Serial No. 396,734. PUBLISHED SEPTEMBER 13, 1938. Class 16.

362,531. MUFFLERS FOR EXPLOSIVE ENGINES AND PARTS THEREOF. THE AP PARTS CORPORATION, Toledo, Ohio.
Filed September 28, 1937. Serial No. 397,892. PUBLISHED NOVEMBER 30, 1937. Class 23.

362,532. RADIO RECEIVING SETS. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash.
Filed October 4, 1937. Serial No. 398,079. PUBLISHED SEPTEMBER 13, 1938. Class 21.

362,533. FRESH CITRUS FRUITS. PLYMOUTH CITRUS GROWERS ASSOCIATION, Plymouth, Fla.
Filed October 25, 1937. Serial No. 398,934. PUBLISHED SEPTEMBER 13, 1938. Class 46.

362,534. PIPE FITTINGS, AIR VENT VALVES, BY-PASS VALVES, RELIEF VALVES, AND REDUCING VALVES. STEVENS-ROOT COMPANY, Chicago, Ill.
Filed December 6, 1937. Serial No. 400,536. PUBLISHED SEPTEMBER 13, 1938. Class 13.

362,535. VEGETABLE EXTRACT USED FOR MAKING SOUPS AND FLAVORING FOODS. M. G. WEBER, doing business as M. Weber Laboratories, Newark, N. J.
Filed December 13, 1937. Serial No. 400,814. PUBLISHED SEPTEMBER 13, 1938. Class 46.

362,536. OIL FLARES. GEORGE O. NORTH, Minneapolis, Minn.
Filed December 17, 1937. Serial No. 400,991. PUBLISHED SEPTEMBER 13, 1938. Class 34.

362,537. DRIED, SWEET CREAM BUTTERMILK FOR BAKING PURPOSES. WARD DRY MILK COMPANY, St. Paul, Minn.
Filed December 20, 1937. Serial No. 401,084. PUBLISHED SEPTEMBER 13, 1938. Class 46.

362,538. CLOCKS AND WATCHES. WATERBURY CLOCK COMPANY, Waterbury, Conn.
Filed December 22, 1937. Serial No. 401,166. PUBLISHED SEPTEMBER 13, 1938. Class 27.

362,539. X-RAY APPARATUS. JEAN KIEFFER, Norwich, Conn.
Filed December 30, 1937. Serial No. 401,388. PUBLISHED SEPTEMBER 13, 1938. Class 44.

362,540. CORSETS, GIRDLES, AND COMBINATION CORSETS AND BRASSIÈRES. THE H. W. GOSSARD Co., Chicago, Ill.
Filed January 11, 1938. Serial No. 401,778. PUBLISHED SEPTEMBER 13, 1938. Class 39.

362,541. CHEMICAL PREPARATION FOR USE AS A FERTILIZER IN WATER TANK FARMING. CHEMI-GROW LTD., Los Angeles, Calif.
Filed February 1, 1938. Serial No. 402,555. PUBLISHED SEPTEMBER 20, 1938. Class 10.

362,542. HEATING, VENTILATING, AND AIR CONDITIONING REGISTERS AND GRILLES. REGISTER & GRILLE MANUFACTURING CO., INC., New York, N. Y.
Filed February 3, 1938. Serial No. 402,651. PUBLISHED SEPTEMBER 13, 1938. Class 34.

362,543. RUM. SIBONEY DISTILLING CORPORATION, Philadelphia, Pa.
Filed February 8, 1938. Serial No. 402,830. PUBLISHED MARCH 29, 1938. Class 49.

362,544. THREAD AND YARN. COMMERCIALE ITALIANA SOCIETÀ ANONIMA PER IL RAYON CISA-RAYON, Rome, Italy.
Filed February 9, 1938. Serial No. 402,848. PUBLISHED AUGUST 30, 1938. Class 43.

362,545. THREAD AND YARN. COMMERCIALE ITALIANA SOCIETÀ ANONIMA PER IL RAYON CISA-RAYON, Rome, Italy.
Filed February 9, 1938. Serial No. 402,849. PUBLISHED AUGUST 30, 1938. Class 43.

362,546. FLAVORING EXTRACTS FOR FOOD FLAVORING PURPOSES AND SYRUPS TO BE POURED OVER PANCAKES. WILLIAM H. SIEGMANN, New York, N. Y.
Filed February 24, 1938. Serial No. 403,377. PUBLISHED SEPTEMBER 13, 1938. Class 46.

362,547. NECKTIE RACKS. SHERIDAN C. WAITE, doing business as Klipper Specialty Company, Buffalo, N. Y.
Filed March 2, 1938. Serial No. 403,620. PUBLISHED SEPTEMBER 13, 1938. Class 13.

362,548. ATTACHMENT OR ACCESSORY FOR VEHICLES AND COOPERATIVE STATIONARY ELECTRICAL APPARATUS, FOR OPERATING DOOR CONTROLS, LIGHT CIRCUIT CONTROLS, AND/OR TRAFFIC SIGNAL CONTROLS. SELECTRON COMPANY, INC., Los Angeles, Calif.
Filed March 11, 1938. Serial No. 403,967. PUBLISHED SEPTEMBER 13, 1938. Class 21.

362,549. RADIO RECEIVING SETS, CHASSIS FOR RADIO RECEIVERS, AND PARTS THEREOF. BROWNING LABORATORIES, INC., Winchester, Mass.
Filed March 18, 1938. Serial No. 404,203. PUBLISHED SEPTEMBER 13, 1938. Class 21.

362,550. BED BLANKETS OF TEXTILE FABRICS. F. C. HUYCK & SONS, Albany and Rensselaer, N. Y.
Filed March 22, 1938. Serial No. 404,363. PUBLISHED SEPTEMBER 13, 1938. Class 42.

362,551. ELECTRIC LAMP SOCKETS AND CHRISTMAS TREE LIGHTING OUTFITS. RAYLITE TRADING CO., INC., New York, N. Y.
Filed March 24, 1938. Serial No. 404,449. PUBLISHED AUGUST 30, 1938. Class 21.

362,552. FRESH CITRUS FRUIT. MCKELLIPS MUTUAL CITRUS GROWERS, INC., Mesa, Calif.
Filed March 28, 1938. Serial No. 404,575. PUBLISHED SEPTEMBER 13, 1938. Class 46.

362,553. LINE MARKERS MADE OF STRIPS OF METAL, RUBBER, FABRIC, COMPOSITION OR A SIMILAR MATERIAL, SAID MARKERS BEING USED IN DRIVING TESTS. GEORGE L. PHILLIPS, Newkirk, Okla.
Filed April 14, 1938. Serial No. 405,265. PUBLISHED SEPTEMBER 13, 1938. Class 50.

362,554. GIRDLES, CORSELETS, BRASSIÈRES, FOUNDATION GARMENTS, CORSETS, STEP-INS, BANDEAUX, GARTER BELTS, MEN'S GIRDLES, ABDOMINAL SUPPORTS FOR ORDINARY WEAR, AND REDUCING GARMENTS. LATEX FOUNDATIONS, INC., New York, N. Y.
Filed April 18, 1938. Serial No. 405,396. PUBLISHED AUGUST 2, 1938. Class 39.

362,555. PAPER CARTONS. LIMPERT BROS. INC., Vineland, N. J.
Filed May 5, 1938. Serial No. 406,024. PUBLISHED JULY 12, 1938. Class 2.

362,556. WOMEN'S, MISSES', AND CHILDREN'S WEARING APPAREL—NAMELY, HATS, GLOVES, AND MITTENS MADE OF FABRIC AND LEATHER; DRESSES, MASQUERADE COSTUMES, ETC. THE THEODORE KOTZIN CO. LTD., Los Angeles, Calif.
Filed May 18, 1938. Serial No. 406,452. PUBLISHED SEPTEMBER 13, 1938. Class 39.

362,557. MEN'S AND BOYS' WEARING APPAREL—NAMELY, COATS, BOTH OF CLOTH AND LEATHER, TROUSERS, VESTS, OVERCOATS, ETC. THE THEODORE KOTZIN CO. LTD., Los Angeles, Calif.
Filed May 18, 1938. Serial No. 406,453. PUBLISHED SEPTEMBER 6, 1938. Class 39.

362,558. LENSES USED IN SPECTACLES, GOGGLES, EYEGLASSES, OR IN HELMETS, ETC. B. DOLLINGER, Brooklyn, N. Y.
Filed May 18, 1938. Serial No. 406,484. PUBLISHED SEPTEMBER 13, 1938. Class 26.

362,559. STENCILS AND STENCIL PAPER. A. B. DICK COMPANY, Chicago, Ill.
Filed May 21, 1938. Serial No. 406,582. PUBLISHED SEPTEMBER 13, 1938. Class 37.

362,560. PATTERNS FOR DEMONSTRATING METHODS OF IRONING SHIRTS. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa.
Filed May 21, 1938. Serial No. 406,616. PUBLISHED SEPTEMBER 13, 1938. Class 50.

362,561. LEAD PENCILS, COLORED PENCILS, COPYING PENCILS, COPYING INK PENCILS, PASTEL CRAYONS, ETC. BLEISTIFT-FABRIK VORM. JOHANN FABER A. G., Stein, Germany.
Filed May 24, 1938. Serial No. 406,674. PUBLISHED SEPTEMBER 13, 1938. Class 37.

362,562. SYNTHETIC RUBBER AND RUBBER-LIKE MATERIALS. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany.
Filed May 25, 1938. Serial No. 406,717. PUBLISHED SEPTEMBER 13, 1938. Class 1.

362,563. BINDING OR SPLICING TISSUE. CONSOLIDATED PAPER CORPORATION LIMITED, Montreal, Quebec, Canada.
Filed May 28, 1938. Serial No. 406,856. PUBLISHED SEPTEMBER 13, 1938. Class 37.

362,564. CHLORINATED HYDRO-CARBONS USED AS DRY CLEANING SOLVENTS. PATEK & CO., San Francisco, Calif.
Filed May 31, 1938. Serial No. 406,939. PUBLISHED SEPTEMBER 13, 1938. Class 4.

362,565. PAPER BOXES AND FOLDING CARTONS. OLD DOMINION BOX CO., INCORPORATED, Lynchburg, Va.
Filed June 2, 1938. Serial No. 407,000. PUBLISHED AUGUST 9, 1938. Class 2.

362,566. SHOELACES, BRAIDED NON-ELASTIC, NARROW BRAIDED ELASTIC. ATLAS BRAID CO., Valley Falls, R. I.
Filed June 2, 1938. Serial No. 407,003. PUBLISHED SEPTEMBER 13, 1938. Class 40.

362,567. LIGHT SENSITIVE FILM AND SENSITIZED PHOTOGRAPHIC PAPER. INTERNATIONAL RADIO CORPORATION, Ann Arbor, Mich.
Filed June 4, 1938. Serial No. 407,079. PUBLISHED SEPTEMBER 13, 1938. Class 26.

362,568. PLANTING SEEDS. CAPITAL FUEL, FEED AND SEED COMPANY, Phoenix, Ariz.
Filed June 6, 1938. Serial No. 407,130. PUBLISHED SEPTEMBER 13, 1938. Class 1.

362,569. CANNED FRUITS, CANNED VEGETABLES, CANNED FISH, AND CANNED FRUIT JUICES FOR FOOD PURPOSES; CANNED VEGETABLE JUICES FOR FOOD PURPOSES. GRIFFITH-DURNEY COMPANY, San Francisco, Calif.
Filed June 6, 1938. Serial No. 407,140. PUBLISHED SEPTEMBER 13, 1938. Class 46.

362,570. ARCH SUPPORTS AND ARCH SUPPORTERS. FOOT CONTROLLER, INC., New York, N. Y.
Filed June 7, 1938. Serial No. 407,184. PUBLISHED SEPTEMBER 13, 1938. Class 44.

362,571. ROAD BUILDING MACHINERY—NAMELY, ASPHALT PLANTS, MIXING PLANTS, ROAD PLANTS, CRUSHERS, AND CRUSHER PARTS, INCLUDING ROLL SHELLS, CRUSHER JAWS, KEY PLATES, AND WEDGES. IOWA MANUFACTURING COMPANY, Cedar Rapids, Iowa.
Filed June 9, 1938. Serial No. 407,268. PUBLISHED SEPTEMBER 13, 1938. Class 23.

362,572. GROUND SOIL FERTILIZERS. SEA BOARD SUPPLY COMPANY, Philadelphia, Pa.
Filed June 10, 1938. Serial No. 407,334. PUBLISHED SEPTEMBER 20, 1938. Class 10.

362,573. DRY MOPS AND OIL MOPS. CARDINAL LABORATORIES, INC., Chicago, Ill.
Filed June 11, 1938. Serial No. 407,358. PUBLISHED SEPTEMBER 13, 1938. Class 29.

362,574. MOPS—DRY, WET, AND OIL—DUSTERS, DUST CLOTHS, AND UNTREATED POLISHING CLOTHS. CARDINAL LABORATORIES, INC., Chicago, Ill.
Filed June 11, 1938. Serial No. 407,359. PUBLISHED SEPTEMBER 13, 1938. Class 29.

362,575. POTATO CHIPS, FRIED POPCORN, CHEESE-POPCORN CONSISTING OF CHEESE WHICH IS MELTED PRIOR TO ADMIXING POPCORN THEREWITH, ETC. KITTY CLOVER POTATO CHIP COMPANY, also doing business as Kitty Clover Products Co., Omaha, Nebr.
Filed June 13, 1938. Serial No. 407,436. PUBLISHED SEPTEMBER 13, 1938. Class 46.

362,576. DRIED FRUITS, NUTS, DEHYDRATED VEGETABLES, CANDIED FRUITS, FRUIT JUICES FOR FOOD. L. CHENAULT PAINE, doing business as Patriot Products, Ltd., Los Angeles, Calif.
Filed June 13, 1938. Serial No. 407,440. PUBLISHED SEPTEMBER 13, 1938. Class 46.

362,577. WOMEN'S SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF SAID MATERIALS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed June 13, 1938. Serial No. 407,443. PUBLISHED SEPTEMBER 13, 1938. Class 39.

362,578. AUTOMOBILE LUGGAGE RACKS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed June 13, 1938. Serial No. 407,444. PUBLISHED SEPTEMBER 13, 1938. Class 19.

362,579. WOMEN'S GLOVES OF FABRIC AND LEATHER, AND UNDERWEAR. VAN RAALTE COMPANY, New York, N. Y.
Filed June 14, 1938. Serial No. 407,477. PUBLISHED SEPTEMBER 13, 1938. Class 39.

362,580. MAGNETIC BRACELET FOR HOLDING PINS OR SIMILAR ARTICLES. BEYER, INC., Lockport, N. Y.
Filed June 15, 1938. Serial No. 407,486. PUBLISHED SEPTEMBER 13, 1938. Class 40.

362,581. JAVA TWINE, SISAL WRAPPING TWINES, MANILA ROPES, JUTE WRAPPING OR SEWING TWINE, FINE FINISHED INDIA TWINE, COTTON SASH CORD, COTTON CABLE CORD, AND COTTON SEINE TWINE. LEE EDWARDS CORPORATION, New York, N. Y.
Filed June 15, 1938. Serial No. 407,492. PUBLISHED SEPTEMBER 13, 1938. Class 7.

362,582. DRY COCOA MIX FOR MAKING A COCOA MILK DRINK. BEVERAGES OF AMERICA, INC., Chicago, Ill.
Filed June 16, 1938. Serial No. 407,519. PUBLISHED SEPTEMBER 13, 1938. Class 46.

362,583. EXPANSIBLE AND CONTRACTABLE METAL STORAGE CONTAINERS FOR LIQUIDS AND GAS. CHICAGO BRIDGE & IRON WORKS, Chicago, Ill.
Filed June 16, 1938. Serial No. 407,534. PUBLISHED SEPTEMBER 13, 1938. Class 2.

362,584. RUBBER-COATED FABRICS, BOTH PLAIN AND PERFORATED. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed June 16, 1938. Serial No. 407,576. PUBLISHED SEPTEMBER 13, 1938. Class 50.

362,585. GROUND CERECITIC ORE. MINERAL MINING CORPORATION, Lancaster, S. C.
Filed June 17, 1938. Serial No. 407,601. PUBLISHED SEPTEMBER 13, 1938. Class 1.

362,586. PAPER USEFUL FOR THE PRODUCTION OF SUCH DOCUMENTS AS BONDS, SHARE WARRANTS, BILLS, NOTES, CHECKS, POSTAGE AND REVENUE STAMPS, LABELS, TICKETS, AND THE LIKE; AND BILLS, NOTES AND CHECKS. WATERLOW & SONS LIMITED, London, England.
Filed June 17, 1938. Serial No. 407,612. PUBLISHED SEPTEMBER 13, 1938. Class 37.

362,587. FOUNDATION GARMENTS, INCLUDING CORSETS, BRASSIÈRES, AND GIRDLES. VENUS FOUNDATION GARMENTS, INC., Chicago, Ill.
Filed June 18, 1938. Serial No. 407,644. PUBLISHED SEPTEMBER 13, 1938. Class 39.

362,588. FOUNTAIN PENS, MECHANICAL PENCILS, DESK SETS, AND PARTS THEREOF. L. E. WATERMAN COMPANY, New York, N. Y.
Filed June 18, 1938. Serial No. 407,645. PUBLISHED SEPTEMBER 13, 1938. Class 37.

362,589. TALISMEN—NAMELY, CHARMS OR AMULETS. EARL L. WESTMORELAND, Chicago, Ill.
Filed June 18, 1938. Serial No. 407,646. PUBLISHED SEPTEMBER 13, 1938. Class 50.

362,590. NECKTIES, MUFFLERS, AND HANDKERCHIEFS. H. C. COHN & CO., Rochester, N. Y.
Filed June 20, 1938. Serial No. 407,659. PUBLISHED SEPTEMBER 13, 1938. Class 39.

362,591. WRAPPING PAPER. ORCHARD PAPER CO., St. Louis, Mo.
Filed June 20, 1938. Serial No. 407,681. PUBLISHED SEPTEMBER 13, 1938. Class 37.

362,592. TISSUE PAPER. CROWN ZELLERBACH CORPORATION, also doing business as Crown Willamette Paper Company, San Francisco, Calif.
Filed June 21, 1938. Serial No. 407,717. PUBLISHED SEPTEMBER 13, 1938. Class 37.

362,593. WRAPPING PAPER. CROWN ZELLERBACH CORPORATION, also doing business as Crown Willamette Paper Company, San Francisco, Calif.
Filed June 21, 1938. Serial No. 407,719. PUBLISHED SEPTEMBER 13, 1938. Class 37.

362,594. PAPER BAGS. CROWN ZELLERBACH CORPORATION, also doing business as Crown Willamette Paper Company, San Francisco, Calif.
Filed June 21, 1938. Serial No. 407,721. PUBLISHED SEPTEMBER 6, 1938. Class 2.

362,595. WRAPPING PAPER. CROWN ZELLERBACH CORPORATION, also doing business as Crown Willamette Paper Company, San Francisco, Calif.
Filed June 21, 1938. Serial No. 407,722. PUBLISHED SEPTEMBER 13, 1938. Class 37.

362,596. TISSUE PAPER. CROWN ZELLERBACH CORPORATION, also doing business as Crown Willamette Paper Company, San Francisco, Calif.
Filed June 21, 1938. Serial No. 407,723. PUBLISHED SEPTEMBER 13, 1938. Class 37.

362,597. WRAPPING PAPER. CROWN ZELLERBACH CORPORATION, also doing business as Crown Willamette Paper Company, San Francisco, Calif.
Filed June 21, 1938. Serial No. 407,724. PUBLISHED SEPTEMBER 13, 1938. Class 37.

362,598. FIBERBOARD CARTONS AND PAILS. FIBREBOARD PRODUCTS INC., San Francisco, Calif.
Filed June 21, 1938. Serial No. 407,730. PUBLISHED SEPTEMBER 6, 1938. Class 2.

362,599. DRY CELL BATTERIES AND FLASHLIGHT CASINGS. BRIGHT STAR BATTERY COMPANY, Clifton, N. J.
Filed June 23, 1938. Serial No. 407,790. PUBLISHED SEPTEMBER 13, 1938. Class 21.

362,600. JUNIOR AND LITTLE MISSES' COATS, DRESSES, AND HATS. CHICAGO MAIL ORDER COMPANY, Chicago, Ill.
Filed June 23, 1938. Serial No. 407,797. PUBLISHED SEPTEMBER 13, 1938. Class 39.

362,601. SMOKING TOBACCO AND CIGARETTES. LARUS & BROTHER COMPANY, Richmond, Va.
Filed June 23, 1938. Serial No. 407,810. PUBLISHED SEPTEMBER 13, 1938. Class 17.

362,602. LEATHER. SAMUEL SHAPIRO, New York, N. Y.
Filed June 24, 1938. Serial No. 407,885. PUBLISHED SEPTEMBER 13, 1938. Class 1.

362,603. DRESS, NEGLIGEE, AND WORK SHIRTS, AND SHORTS. AARON TENENBAUM, doing business as Aarons Mfg. Co., New York, N. Y.
Filed June 24, 1938. Serial No. 407,888. PUBLISHED AUGUST 23, 1938. Class 39.

362,604. SHOE TREES. VAB, LTD., New York, N. Y. Filed June 24, 1938. Serial No. 407,891. PUBLISHED SEPTEMBER 13, 1938. Class 50.

362,605. PAPER EDGING FOR SHELVES. MILWAUKEE LACE PAPER COMPANY, Milwaukee, Wis. Filed June 25, 1938. Serial No. 407,910. PUBLISHED SEPTEMBER 13, 1938. Class 37.

362,606. SHELF PAPER. MILWAUKEE LACE PAPER COMPANY, Milwaukee Wis. Filed June 25, 1938. Serial No. 407,911. PUBLISHED SEPTEMBER 13, 1938. Class 37.

362,607. PADDING PAPER. GEORGE H. SWEETNAM, INC., Cambridge, Mass. Filed June 25, 1938. Serial No. 407,923. PUBLISHED SEPTEMBER 13, 1938. Class 37.

362,608. ANIMAL TRAPS. A. W. DRAKE COMPANIES, Pasadena, Calif. Filed June 27, 1938. Serial No. 407,945. PUBLISHED SEPTEMBER 13, 1938. Class 50.

362,609. SPECTACLE CASES NOT MADE OF PRECIOUS METALS. BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y. Filed June 28, 1938. Serial No. 407,971. PUBLISHED SEPTEMBER 13, 1938. Class 2.

362,610. BOOTS, SHOES, AND SLIPPERS OF LEATHER, FABRIC, OR COMBINATIONS THEREOF. GENERAL SHOE CORPORATION, Nashville, Tenn. Filed June 28, 1938. Serial No. 407,979. PUBLISHED SEPTEMBER 13, 1938. Class 39.

362,611. WOMEN'S AND MISSES' COATS AND SUITS. GORDON V. LYONS, INC., New York, N. Y. Filed June 29, 1938. Serial No. 408,028. PUBLISHED SEPTEMBER 6, 1938. Class 39.

362,612. FUR COATS, FUR CAPES, FUR MUFFS, FUR JACKETS, FUR COLLARS, AND FUR SCARFS. GOLDBEIN FURS, INC., New York, N. Y. Filed June 30, 1938. Serial No. 408,056. PUBLISHED SEPTEMBER 13, 1938. Class 39.

362,613. STOCK FEED, HORSE FEED, DAIRY FEED, CATTLE FEED, POULTRY FEED, LAYING MASH, SCRATCH FEED, AND TURKEY FEED. H. K. WEBSTER COMPANY, Lawrence, Mass. Filed June 30, 1938. Serial No. 408,079. PUBLISHED SEPTEMBER 13, 1938. Class 46.

362,614. SMOKING TOBACCO AND CIGARETTES. LARUS & BROTHER COMPANY, Richmond, Va. Filed July 1, 1938. Serial No. 408,110. PUBLISHED SEPTEMBER 13, 1938. Class 17.

362,615. GLASS SHELLAC, PAINT AND VARNISH REMOVER, LIQUID AUTOMOBILE POLISH AND CLEANER, WAX FOR WAXING VEHICLE TOPS, WAX POLISH, ETC. THE BELL COMPANY, INC., doing business as Flare Laboratories, Chicago, Ill. Filed July 1, 1938. Serial No. 408,086. PUBLISHED SEPTEMBER 13, 1938. Class 16.

362,616. FABRIC CLEANER, DRY CLEANER, GLASS CLEANER, METAL POLISH, CHROMIUM CLEANER, REFLECTOR POLISH, ROAD TAR REMOVER, ETC. THE BELL COMPANY, INC., doing business as Flare Laboratories, Chicago, Ill. Filed July 1, 1938. Serial No. 408,088. PUBLISHED SEPTEMBER 13, 1938. Class 4.

362,617. ELECTRIC CURRENT RECTIFIERS, ELECTROPLATING POWER SUPPLY DEVICES, RECTIFIER-TYPE ELECTRO-PLATING UNITS. P. R. MALLORY & CO., INC., Indianapolis, Ind. Filed July 1, 1938. Serial No. 408,116. PUBLISHED SEPTEMBER 13, 1938. Class 21.

362,618. COFFEE. G. WASHINGTON COFFEE REFINING CO., Morris Plains, N. J. Filed July 7, 1938. Serial No. 408,295. PUBLISHED SEPTEMBER 13, 1938. Class 46.

362,619. COFFEE. G. WASHINGTON COFFEE REFINING CO., Morris Plains, N. J. Filed July 7, 1938. Serial No. 408,296. PUBLISHED SEPTEMBER 13, 1938. Class 46.

362,620. RUBBER SOLES AND HEELS. QUABAUG RUBBER COMPANY, North Brookfield, Mass. Filed July 11, 1938. Serial No. 408,399. PUBLISHED SEPTEMBER 13, 1938. Class 39.

362,621. FOOD FOR DOGS AND PUPPIES. THE DERWOOD MILL, Derwood, Md. Filed July 11, 1938. Serial No. 408,408. PUBLISHED SEPTEMBER 13, 1938. Class 46.

362,622. BRUSHLESS SHAVING CREAM, LATHER SHAVING CREAM, AND SHAVING SOAP BOWL. BRUNSWIG DRUG CO., Los Angeles, Calif. Filed July 13, 1938. Serial No. 408,451. PUBLISHED SEPTEMBER 13, 1938. Class 4.

362,623. PORTFOLIOS AND LOOSE LEAF BINDER EQUIPPED PORTFOLIOS. THE BURKHARDT COMPANY, Detroit, Mich. Filed July 13, 1938. Serial No. 408,453. PUBLISHED SEPTEMBER 20, 1938. Class 3.

362,624. JEWELERS' SAW BLADES. M. J. LAMPERT & SONS, INC., New York, N. Y. Filed July 14, 1938. Serial No. 408,503. PUBLISHED SEPTEMBER 13, 1938. Class 23.

362,625. DRY AND READY MIXED PAINTS, PAINT ENAMELS, STAINS, LACQUERS, AND VARNISHES. THE PATTERSON-SARGENT COMPANY, Cleveland, Ohio. Filed July 14, 1938. Serial No. 408,506. PUBLISHED SEPTEMBER 13, 1938. Class 16.

362,626. SOUPS. PURE FOOD FACTORY "HANSA", Mamaroneck, N. Y. Filed July 16, 1938. Serial No. 408,576. PUBLISHED SEPTEMBER 13, 1938. Class 46.

362,627. CEREAL BREAKFAST FOOD. LOMA LINDA FOOD COMPANY, Loma Linda, Calif. Filed July 18, 1938. Serial No. 408,611. PUBLISHED SEPTEMBER 13, 1938. Class 46.

362,628. INTERIOR TELEPHONE SYSTEMS. DICTOGRAPH PRODUCTS COMPANY, INC., New York, N. Y. Filed July 20, 1938. Serial No. 408,694. PUBLISHED SEPTEMBER 13, 1938. Class 21.

362,629. PHOTOGRAPHIC LENSES. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y. Filed July 20, 1938. Serial No. 408,695. PUBLISHED SEPTEMBER 13, 1938. Class 26.

362,630. FANCY PATENT SELF-RISING FLOUR. H. V. KELL COMPANY, also doing business as Colonial Flour Company, Griffin, Ga. Filed July 20, 1938. Serial No. 408,717. PUBLISHED SEPTEMBER 13, 1938. Class 46.

362,631. DOG AND CAT FOOD. LEEDS SALES, INC., Washington, D. C. Filed July 20, 1938. Serial No. 408,721. PUBLISHED SEPTEMBER 13, 1938. Class 46.

362,632. COOKED HAMS, LIVER LOAF, MEAT LOAF, AND MEAT SANDWICH SPREADS. WILSON & CO., INC., Chicago, Ill. Filed July 20, 1938. Serial No. 408,734. PUBLISHED SEPTEMBER 13, 1938. Class 46.

362,633. MECHANICAL DEVICES FOR USE IN CONNECTION WITH DEVELOPING, DRYING, AND WIPING STILL AND MOTION PICTURE FILMS AND PRINTS. SIXTEEN MILLIMETER SOUND FILMS, INC., Boston, Mass. Filed July 19, 1938. Serial No. 408,739. PUBLISHED SEPTEMBER 13, 1938. Class 26.

362,634. FILM WIPERS AND PARTS THEREOF. SIXTEEN MILLIMETER SOUND FILMS, INC., Boston, Mass. Filed July 19, 1938. Serial No. 408,740. PUBLISHED SEPTEMBER 13, 1938. Class 26.

362,635. CANDY. MONSALVATGE & DRANE, Miami, Fla. Filed July 21, 1938. Serial No. 408,757. PUBLISHED SEPTEMBER 13, 1938. Class 46.

362,636. CANDY. FRED W. AMEND CO., Danville, Ill. Filed July 22, 1938. Serial No. 408,775. PUBLISHED SEPTEMBER 13, 1938. Class 46.

362,637. EVAPORATED MILK. WESTERN STATES GROCERY COMPANY, Reno, Nev., and Oakland, Calif. Filed July 22, 1938. Serial No. 408,818. PUBLISHED SEPTEMBER 13, 1938. Class 46.

362,638. COMBINATIONS OF DRY STARCHES, DEXTRINES, OR GUMS, FOR PASTING PURPOSES. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed July 23, 1938. Serial No. 408,833. PUBLISHED SEPTEMBER 20, 1938. Class 5.

362,639. CANDY. HUYLER'S, New York, N. Y. Filed July 27, 1938. Serial No. 408,950. PUBLISHED SEPTEMBER 13, 1938. Class 46.

362,640. GLASS CLEANER, FABRIC CLEANER, HAND CLEANER, AND TAR REMOVER. LINDEN CHEMICAL CO., INC., Rahway, N. J. Filed July 28, 1938. Serial No. 409,005. PUBLISHED SEPTEMBER 13, 1938. Class 4.

362,641. CLEANSING POWDERS AND COMPOUNDS HAVING SODA AS A BASE TO BE SOLD IN BULK FOR INDUSTRIAL USES. SUNSHINE SODA COMPANY, INC., New York, N. Y. Filed July 30, 1938. Serial No. 409,115. PUBLISHED SEPTEMBER 13, 1938. Class 4.

362,642. FOUNTAIN PENS, MECHANICAL PENCILS, PENCIL LEAD CONTAINERS, PEN AND PENCIL SETS, AND PEN DESK SETS. DAVID KAHN, INC., North Bergen, N. J. Filed July 6, 1938. Serial No. 408,246. PUBLISHED SEPTEMBER 20, 1938. Class 37.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

362,643. (CLASS 39. CLOTHING.) TRIANGLE UNDERWEAR CORP., New York, N. Y. Filed June 19, 1936. Serial No. 379,980.

NU-FIT

For Women's Slips, Nightgowns, and Chemises.
Claims use since January, 1934.

362,644. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE KENDALL COMPANY, Chicago, Ill. Filed Mar. 19, 1937. Serial No. 390,276.

Bracer

For Athletic Supporters, Abdominal Belts, and a Combination of Both in One Garment.
Claims use since July 8, 1936.

362,645. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) COWDREY PRODUCTS COMPANY INC., Fitchburg, Mass. Filed Aug. 9, 1937. Serial No. 396,183.

INNAWIRE

For Bottle Closures.
Claims use since Aug. 3, 1937.

362,646. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DR. P. PHILLIPS COMPANY, INCORPORATED, Orlando, Fla. Filed Aug. 20, 1937. Serial No. 396,612.

Dr. Phillips
ORANGE
BRAN

For Cattle and Poultry Foods.
Claims use since Aug. 4, 1937.

362,647. (CLASS 12. CONSTRUCTION MATERIALS.) WEST COAST PLYWOOD COMPANY, Aberdeen, Wash. Filed Sept. 27, 1937. Serial No. 397,889.



For Concrete Form Panels.
Claims use since July 20, 1937.

362,648. (CLASS 2. RECEPTACLES.) AMERICAN TISSUE MILLS, Holyoke, Mass. Filed Oct. 19, 1937. Serial No. 398,655.

FOOD-SAVER

For Paper Bags.
Claims use since Aug. 31, 1937.

362,649. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JACOB FORST PACKING CO. INC., Kingston, N. Y. Filed Dec. 4, 1937. Serial No. 400,456.

TENDASMOKED

For Foods and Particularly Ham.
Claims use since Sept. 15, 1937.

362,650. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) MURDOCK & POHLMAN LIQUOR COMPANY, East St. Louis, Ill. Filed Jan. 6, 1938. Serial No. 401,615.

Glen Fork

For Whiskey.
Claims use since Sept. 16, 1937.

362,651. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE AMERICAN BRAKE SHOE AND FOUNDRY COMPANY, New York, N. Y. Filed Feb. 23, 1938. Serial No. 403,293.

American Brakeblok

For Frictional Elements for Brakes and Clutches, and for Fan Belts, Radiator Hose, and Generator Couplings, Made Partly of Rubber.
Claims use since Feb. 15, 1936.

362,652. (CLASS 11. INKS AND INKING MATERIALS.) OLD TOWN RIBBON & CARBON CO. INC., New York, N. Y. Filed Mar. 30, 1938. Serial No. 404,657.

Hi-test

For Carbon Paper.
Claims use since Oct. 15, 1937.

362,653. (CLASS 27. HOROLOGICAL INSTRUMENTS.) HYMAN WEIN, doing business as Clinton Watch Co., Chicago, Ill. Filed Apr. 1, 1938. Serial No. 404,788.

CLINTON

For Watches and Watch Movements.
Claims use since May 1, 1933.

362,654. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. F. LANE & SON, doing business as San Francisco Honey Company, San Francisco, Calif. Filed Apr. 4, 1938. Serial No. 404,858.

Plenty Good

For Peanut Butter and Honey.
Claims use since Sept. 2, 1937.

362,655. (CLASS 45. BEVERAGES, NONALCOHOLIC.) FLAVOREX, INCORPORATED, New York, N. Y. Filed July 27, 1938. Serial No. 408,954.

KWIK-MIX

For Non-Alcoholic Maltless Beverages Sold as Soft Drinks, and Syrups and Extracts Used in Making Same.
Claims use since Mar. 16, 1937.

362,656. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) MILWAUKEE STAMPING CO., West Allis, Wis. Filed Aug. 15, 1938. Serial No. 409,618.

BATHE RITE

For Shower Cabinets.
Claims use since November, 1936.

362,657. (CLASS 12. CONSTRUCTION MATERIALS.) CURTIS COMPANIES INCORPORATED, Clinton, Iowa. Filed Aug. 29, 1938. Serial No. 410,070.

MITERTITE

For Trim for Door Openings, Window Openings, and Other Openings in Buildings Requiring Trim.
Claims use since Sept. 15, 1932.

362,658. (CLASS 15. OILS AND GREASES.) REALGAS, INC., Wabash, Ind. Filed Sept. 3, 1938. Serial No. 410,268.

REALGAS

For Gasoline.
Claims use since July 15, 1935.

362,659. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) GETTS MANUFACTURING COMPANY, Monrovia, Calif. Filed Sept. 6, 1938. Serial No. 410,382.

Cooper Fruit Wrap Holder

For Dispensing Fruit Wrap Holders.
Claims use since 1916.

362,660. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) THE AMERICAN DISTILLING COMPANY, Pekin, Ill. Filed Sept. 23, 1938. Serial No. 410,892.

The American Distilling Company's

For Straight Rye Whiskey, Straight Bourbon Whiskey, and Blends of Each.
Claims use since 1892.

362,661. (CLASS 37. PAPER AND STATIONERY.) BRIGHTWATER PAPER COMPANY, Dover, Del., and Adams, Mass. Filed Oct. 6, 1938. Serial No. 411,329.

EATONIAN BOND

For Writing Paper.
Claims use since Feb. 2, 1931.

362,662. (CLASS 37. PAPER AND STATIONERY.) BRIGHTWATER PAPER COMPANY, Dover, Del., and Adams, Mass. Filed Oct. 6, 1938. Serial No. 411,330.

EATONIAN LEDGER

For Writing Paper.
Claims use since July 16, 1931.

362,663. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) SPEAS MFG. CO., Kansas City, Mo. Filed Oct. 10, 1938. Serial No. 411,470.

OLD SPEAS

For Brandy, Whiskey, Rum, Gin, and Alcoholic Cordials.
Claims use since February, 1935.

362,664. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) KRAUS BROS. & CO., INC., New York, N. Y. Filed Oct. 18, 1938. Serial No. 411,743.

BRIGGS

For Whiskies, Gins, and Alcoholic Cordials.
Claims use since March, 1934.

TRADE-MARK REGISTRATIONS RENEWED

123,101. CERTAIN NAMED PAINTS AND PAINTERS' MATERIALS. Registered October 15, 1918. CERTAIN-TEED PRODUCTS CORPORATION, St. Louis, Mo. Renewed October 15, 1938, to The Glidden Company, Cleveland, Ohio, a corporation of Ohio, assignee.

123,178. LIQUID CEMENT PREPARATION FOR RESURFACING OR SURFACING CONCRETE AND CEMENT. Registered October 15, 1918. THE VITRIFYX COMPANY, Chicago, Ill., a corporation of Illinois. Renewed October 15, 1938.

123,203. MILK, SOUPS, CLAM-CHOWDER, AND STEWED PRUNES, EITHER CANNED OR IN BULK. Registered October 22, 1918. CHILDS COMPANY, New York, N. Y., a corporation of New York. Renewed October 22, 1938.

123,247. PACKAGE CANDIES. Registered October 22, 1918. JACOBS CANDY COMPANY LTD. Renewed October 22, 1938, to Jacobs Candy Company, Inc., New Orleans, La., a corporation of Louisiana, assignee.

123,312. A CHEMICAL PREPARATION FOR REMOVING STAINS FROM GRANITE. Registered October 29, 1918. WILLIAM M. ADRIAN, Quincy, Mass. Renewed October 29, 1938.

123,525. CERTAIN NAMED FOODS. Registered November 19, 1918. ACME-EVANS COMPANY, Indianapolis, Ind., a corporation of Indiana. Renewed November 19, 1938.

123,678. CERTAIN NAMED CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. Registered November 19, 1918. THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed November 19, 1938.

124,461. WHEAT-FLOUR. Registered February 18, 1919. LA GRANGE MILLS, Red Wing, Minn., a corporation of Minnesota. Renewed February 18, 1939.

124,963. COTTON PIECE GOODS. Registered April 1, 1919. FABRITEX CO. INC., New York, N. Y., a corporation of New York. Renewed April 1, 1939.

125,003. ORANGES. Registered April 1, 1919. TUSTIN HILLS CITRUS ASSOCIATION, Tustin, Calif., a corporation of California. Renewed April 1, 1939.

125,033. CERTAIN NAMED ENAMELED WARE FOR HOUSEHOLD USE. Registered April 8, 1919. COLUMBIAN ENAMELING & STAMPING COMPANY. Renewed April 8, 1939, to Columbian Enameling & Stamping Co., Inc., Terre Haute, Ind., a corporation of Indiana, by change of name.

125,034. CERTAIN NAMED ENAMELED WARE FOR HOUSEHOLD USE. Registered April 8, 1919. COLUMBIAN ENAMELING & STAMPING COMPANY. Renewed April 8, 1939, to Columbian Enameling & Stamping Co., Inc., Terre Haute, Ind., a corporation of Indiana, by change of name.

125,118. COMPRESSED GASES. Registered April 15, 1919. AIR REDUCTION COMPANY, INCORPORATED. Renewed April 15, 1939, to Air Reduction Sales Company, New York, N. Y., a corporation of Delaware, assignee.

125,152. SALVE FOR COLDS, COUGHS, PNEUMONIA, GRIPPE, BURNS, BITES, ETC. Registered April 15, 1919. MCCORMICK & CO. Renewed April 15, 1939, to McCormick & Co., Incorporated, Baltimore, Md., a corporation of Maryland, assignee.

125,154. CERTAIN NAMED FLAVORING EXTRACTS FOR NON-ALCOHOLIC BEVERAGES AND SOFT DRINKS. Registered April 15, 1919. MCCORMICK & CO. Renewed April 15, 1939, to McCormick & Co., Incorporated, Baltimore, Md., a corporation of Maryland, assignee.

125,180. ETHYL ALCOHOL FOR USE AS DENATURED ALCOHOL, FUEL, ANTIFREEZING SOLUTION, AND SOLIDIFIED ALCOHOL. Registered April 15, 1919. U. S. INDUSTRIAL ALCOHOL CO., New York, N. Y., a corporation of West Virginia. Renewed April 15, 1939.

125,204. INSECT-EXTERMINATOR AND DISINFECTANT. Registered April 22, 1919. HYMAN DEITCHMAN, Chicago, Ill. Renewed April 22, 1939.

125,211. SUITCASES, GRIPS, AND HAND-BAGS. Registered April 22, 1919. J. W. EICHENBUSCH CO. INC., Chicago, Ill., a corporation of Illinois. Renewed April 22, 1939.

125,245. A MALT BEVERAGE MADE FROM CORN-SYRUP, YEAST, AND HOPS. Registered April 22, 1919. NARRAGANSETT BREWING CO., Cranston, R. I. Renewed April 22, 1939, to Narragansett Brewing Company, Providence, R. I., a corporation of Rhode Island.

LABELS

REGISTERED NOVEMBER 22, 1938

52,122.—*Title:* THE HOUSE OF A MILLION NUTS, MACFARLANE CANDY IS GOODER, THE SCOTCH CANDYMAKER. For Candy, Chocolate, and Nuts. AWFUL FRESH MACFARLANE, Oakland, San Francisco, and Berkeley, Calif. Published October 4, 1938.

52,123.—*Title:* MAVRODAPHENE. For Mavrodaphene Wine Imported from Greece. BESO WINE COMPANY, LTD., Piraeus and Patras, Greece. Published May 1, 1938.

52,124.—*Title:* BULOVA THE WATCH OF TOMORROW. For Watches. BULOVA WATCH COMPANY, INC., New York, N. Y. Published May 1, 1938.

52,125.—*Title:* COLONIAL ONE COAT ENAMEL. For Enamel. COLONIAL WORKS, Brooklyn, N. Y. Published October 21, 1938.

52,126.—*Title:* TWIN SISTERS HAIR-DO LACQUER. For a Lacquer for the Hair. CLARK-MILLNER CO., Chicago, Ill. Published October 10, 1938.

52,127.—*Title:* DAR LIN TON NU-STILE PRODUCTS. For a Preparation for Imparting a Lasting Luster to Almost any Smooth Finished Surface, Such as Furniture, Floors, Automobiles, Etc. GEORGE W. DARLINTON, doing business as Nu-Stile Products, San Pedro, Calif. Published August 1, 1937.

52,128.—*Title:* SÉDA KITCHEN TOWELS—THE BETTER TOWEL—HYGIENIC—SOFT—FOR GENERAL HOUSEHOLD USE—FITS ALL STANDARD FIXTURES. For Paper Towels. GOTHAM TISSUE CORPORATION, New York, N. Y. Published October 1, 1938.

52,129.—*Title:* SÉDA—MEANS SILK—ABSORBENT PURE WHITE—HYGIENIC—SOFT—TOILET TISSUE. For Toilet Tissues. GOTHAM TISSUE CORPORATION, New York, N. Y. Published October 1, 1938.

52,130.—*Title:* GOTHAM TOILET TISSUE—SANITARY WRAPPED—SOFT—ABSORBENT—PURE. For Toilet Tissues. GOTHAM TISSUE CORPORATION, New York, N. Y. Published October 1, 1938.

52,131.—*Title:* $1000.00 GUARANTEED ANT-BANE. For a Powder for Killing Ants. B. HELLER & COMPANY, Chicago, Ill. Published September 22, 1938.

52,132.—*Title:* $1000.00 GUARANTEED ROACH KILLER. For a Powder for Killing Roaches. B. HELLER & COMPANY, Chicago, Ill. Published September 22, 1938.

52,133.—*Title:* SAFE-T CONES. For Ice Cream Cones. ILLINOIS BAKING CORPORATION, Chicago, Ill. Published August 22, 1938.

52,134.—*Title:* SUNSHINE BAG BALM. For a Balm to be Applied to a Cow's Bag and Teats When Rough and Chapped. CHARLES J. KORINEK, doing business as Korinek Laboratories, San Francisco, Calif. Published August 26, 1938.

52,135.—*Title:* ROSEQUEEN. For Fresh Vegetables. LA BREA SECURITIES CO., doing business as Rosemary Packing Company, Santa Maria, Calif. Published September 15, 1938.

52,136.—*Title:* THE OLD ORIGINAL SOUTHERN SOY. For Soya Bean Flour. I. F. LAUCKS, INCORPORATED, Portsmouth, Va. Published September 8, 1938.

52,137.—*Title:* FAIRY TOUCH HUMAN HAIR NETS. For Hair Nets. H. A. LOEB & Co., Chicago, Ill. Published October 3, 1938.

52,138.—*Title:* LADY ANNE HUMAN HAIR NETS. For Hair Nets. H. A. LOEB & Co., Chicago, Ill. Published October 3, 1938.

52,139.—*Title:* LADY NEWBERRY HUMAN HAIR NETS. For Hair Nets. H. A. LOEB & Co., Chicago, Ill. Published October 3, 1938.

52,140.—*Title:* MISS AMERICA SILK WATER-WAVE NET. For Hair Nets. H. A. LOEB & Co., Chicago, Ill. Published October 3, 1938.

52,141.—*Title:* EASTSIDE ROOT BEER. For Root Beer. LOS ANGELES BREWING CO., doing business as Eastside Distributing Co., Los Angeles, San Bernardino, and San Diego, Calif. Published August 6, 1938.

52,142.—*Title:* WHO BUYS THE DRINKS? BEST ALE IN TOWN! For Ale. MAIER BREWING CO., Los Angeles, Calif. Published August 25, 1938.

52,143.—*Title:* WHO BUYS THE DRINKS? BEST BEER IN TOWN! 72. For Beer. MAIER BREWING CO., Los Angeles, Calif. Published August 31, 1938.

52,144.—*Title:* DATED LAUNDERED SHIRT. For Shirts. MAXWELL-DAVIS, INC., Hartford, Conn. Published October 4, 1938.

52,145.—*Title:* SOUVENIR PIECE OF BRIDGE CABLE. For Souvenir Pieces of Cable. WILLIAM B. MCDONALD, San Francisco, Calif. Published October 12, 1938.

52,146.—*Title:* CRISPY-CRUNCHY CORN BUBBLES. For Puffed Corn Impregnated with a Cheese Compound. NEW FOODS, INC., Chicago, Ill. Published September 9, 1938.

52,147.—*Title:* ONCO EGGS. For Eggs. NEW YORK STATE EGG AND POULTRY PRODUCERS CO-OPERATIVE, INC., Baldwinsville, N. Y. Published September 15, 1936.

52,148.—*Title:* PANDORA. For Dolls. NEW YORK ZOOLOGICAL SOCIETY, New York, N. Y. Published August 12, 1938.

52,149.—*Title:* EDWARD RUSKIN. For Flat White Paint. IRVING OSTROFF, doing business as Squarex Advertising Company, New York, N. Y. Published June 15, 1938.

52,150.—*Title:* THE FLY AG'IN. For Dead Duck Decoy Flying Harness. PETER JAY PARK, Rushville, Ill. Published August 15, 1938.

52,151.—*Title:* "QUICK" LESLIME. For a Solution Prepared to Retard the Formation of Scale and Prevent Formation of Rust in the Radiator and Block of Automotive Cooling Systems. JAMES I. PENNY, doing business as Quick Products Company, Lubbock, Tex. Published September 26, 1938.

52,152.—*Title:* MIR-A-KAL. For a Cleaner. ARTHUR PINNAS, Newark, N. J. Published October 5, 1938.

52,153.—*Title:* TOP-HAT. For Beer. THE SCHOENLING BREWING COMPANY, Cincinnati, Ohio. Published February 15, 1938.

52,154.—*Title:* A TASTE OF THE GOOD OLD DAYS. For Kentucky Straight Bourbon Whiskey. TEXAS WINE AND LIQUOR CO., INC., Fort Worth, Tex. Published September 22, 1938.

PRINTS

REGISTERED NOVEMBER 22, 1938

17,130.—*Title:* KILL THE MOTH AND YOU SAVE THE CLOTH. For an Insecticide. CLARKSON CHEMICAL COMPANY, INC., South Williamsport, Pa. Published June 8, 1938.

17,131.—*Title:* HIT THE LINE WITH A BREAKFAST OF CHAMPIONS. For Cereal Foods. GENERAL MILLS, INC., Minneapolis, Minn. Published October 25, 1938.

17,132.—*Title:* NOW, THAT'S WHAT I CALL GOOD COFFEE—ADFORM 195. For Coffee. HILLS BROS., San Francisco, Calif. Published September 20, 1938.

17,133.—*Title:* OKODOKY. For a Chemical Compound. PRUDEN CHEMICAL COMPANY, Orlando, Fla. Published October 18, 1938.

17,134.—*Title:* NOW! COSTLIER FLOUR. For Bread. THE WILLIAM S. SCHAUTZ ADVERTISING AGENCY, Scranton, Pa. Published October 18, 1938.

17,135.—*Title:* VITA SELTZER. For an Alkalizer for Upset Stomach and Headaches, a Preventative for Safety before Indulging, and a Corrective for Rebalancing the System. VITA SELTZER CO., San Francisco, Calif. Published July 7, 1938.

17,136.—*Title:* SUN-DYE EXCLUSIVES. For Stockings. WAYNE KNITTING MILLS, Fort Wayne, Ind. Published July 28, 1938.

REISSUES

NOVEMBER 22, 1938

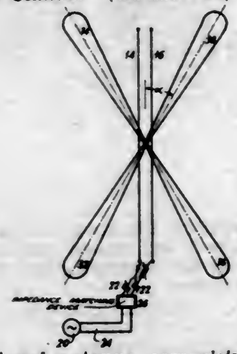
20,922

ANTENNA

Nils E. Lindenblad, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Original No. 1,884,006, dated October 25, 1932, Serial No. 304,445, September 7, 1928. Application for reissue June 2, 1938, Serial No. 211,467

27 Claims. (Cl. 250—11)



1. A directional antenna comprising a collaterally spaced pair of simple linear conductors adapted to have standing waves formed thereon which are long, relative to the working wave length, and means energizing said conductors in phase opposition at adjacent ends of said conductors, said conductors lying on the same side of said energizing means and extending away from said energizing means whereby radiant action occurs predominantly in a direction making equal angles greater than zero degrees with reference to said conductors.

20,923

PROCESS FOR TREATING FIGS

Carl F. Love, San Jose, Calif., assignor to California Prune & Apricot Growers Association, San Jose, Calif., a corporation of California

No Drawing. Original No. 2,072,309, dated March 2, 1937, Serial No. 23,454, May 25, 1935. Application for reissue November 16, 1937, Serial No. 174,805

2 Claims. (Cl. 99—156)

1. The process of treating dried figs consisting essentially in subjecting them to the oxidizing action of a hydrogen peroxide solution of effective bleaching strength and allowing them to stand for a period of at least twelve to fourteen hours while wet with said solution whereby they are lightened in color, and then washing said fruit with substantially boiling water for at least two minutes to remove said solution.

20,924

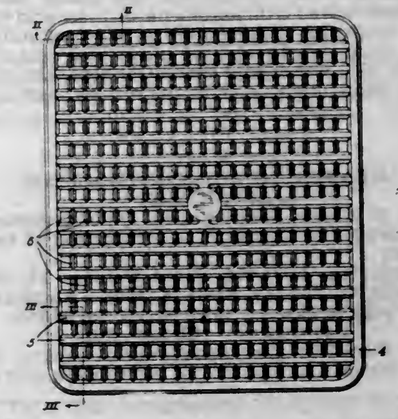
PROTECTIVE MAT FOR COOKING APPLIANCES

Burr Nickle, Butler, Pa.

Original No. 2,071,762, dated February 23, 1937, Serial No. 100,420, September 12, 1936. Application for reissue July 20, 1938, Serial No. 220,398

3 Claims. (Cl. 126—221)

3. A protective mat for supporting cooking utensils, said mat being formed at least chiefly of a substance having substantially the flexibility, softness and resilience of vulcanized soft rubber and formed with spaced-apart supporting-surface areas upon at least one of its faces and formed also with passages for horizontal flow of air within the vertical limits of the mat, the mat also being formed with a multiplicity of apertures between the said supporting-surface areas.



20,925

LEG SUPPORT

Gregory L. Rees, La Grange, Ill., assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill., a corporation of New York

Original No. 2,110,005, dated March 1, 1938, Serial No. 88,643, July 2, 1936. Application for reissue July 6, 1938, Serial No. 217,649

8 Claims. (Cl. 45—139)



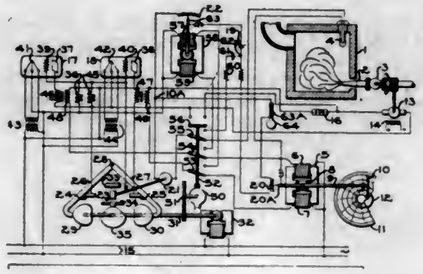
7. A support for an object comprising a floor plate arranged to support a shim lamination under a part of said object, said plate being provided with an upright flexible lug directed through apertures provided for it in said lamination and said part of said object, and said flexible lug being capable of being peened over to lock said base and shim lamination to said object.

20,926
PURIFICATION OF TRINITROTOLUENE
Joseph A. Wyler, Allentown, Pa., assignor to Trojan Powder Company, a corporation of New York
No Drawing. Original No. 2,126,162, dated August 9, 1938, Serial No. 76,434, April 25, 1936. Application for reissue September 12, 1938, Serial No. 229,569
4 Claims. (Cl. 260—645)

1. The process of purifying deteriorated trinitrotoluene which comprises contacting molten but undissolved trinitrotoluene with an acid mixture consisting of from 70% to 99.7% of sulfuric acid, from .3% to 15% of nitric acid and from 0% to 15% water, and thereafter separating purified trinitrotoluene from the residual acid mixture.

20,927
MEASURING AND CONTROLLING APPARATUS
John D. Ryder, South Euclid, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Original No. 1,931,474, dated October 17, 1933, Serial No. 605,269, April 14, 1932. Application for reissue July 31, 1935, Serial No. 34,116
40 Claims. (Cl. 236—70)

28. Electrical measuring and/or control system, comprising a source of alternating current, a reactor member having a circuit connected thereto, a magnetizing circuit associated with the reactor, means adapted to be included in series with the magnetizing circuit and subject to a

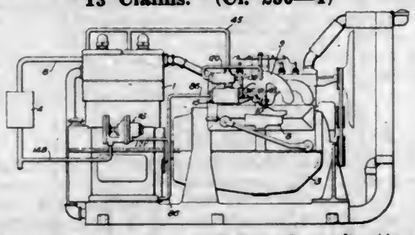


variable condition for magnetizing directly the reactor member, and means connected with the reactor circuit for measuring and/or controlling the said condition.

PATENTS

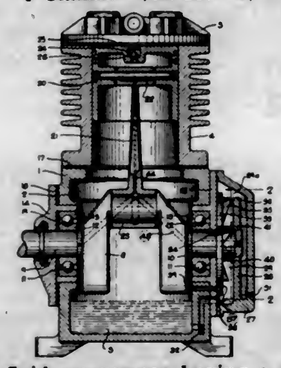
GRANTED NOVEMBER 22, 1938

2,137,219
COMPRESSOR CONTROL MECHANISM
Burton S. Aikman, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application August 22, 1935, Serial No. 37,380
13 Claims. (Cl. 230—4)



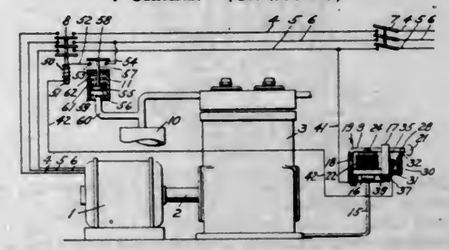
1. In combination, an internal combustion engine having a fuel intake passage, and a throttle valve for controlling communication through said fuel intake passage, a fluid compressor driven by said engine and having unloading means associated therewith, control means for the unloading means comprising an abutment subject on one side to the pressure of the fluid in a chamber, valve means controlling communication between said chamber and the fuel intake passage, and means responsive to the pressure of fluid compressed by the compressor for controlling said valve means and for controlling the throttle valve.

2,137,220
COMPRESSOR LUBRICATOR
Burton S. Aikman, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application February 11, 1936, Serial No. 63,331
9 Claims. (Cl. 184—6)



1. In a fluid compressor having a piston and a crank case chamber containing a body of lubricant subject to variations in fluid pressure effected by operation of said piston, in combination, a lubricant reservoir from which lubricant is adapted to flow for lubricating the compressor, an auxiliary chamber open to said reservoir and communicating with said crank case chamber, means operative upon operation of the compressor to effect the flow of lubricant from the crank case chamber to the auxiliary chamber, and means operative with the compressor for supplying lubricant from the auxiliary chamber to the reservoir.

2,137,221
MOTOR PROTECTION DEVICE
Burton S. Aikman, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application January 13, 1937, Serial No. 120,377
7 Claims. (Cl. 230—6)

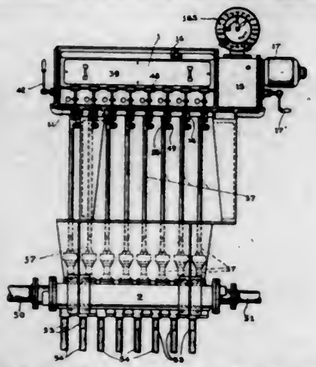


1. In a fluid compressing apparatus, in combination, an electric motor, an electric circuit for supplying current to said motor, a magnet switch device operative upon energization for closing the circuit through said motor and operative upon deenergization for breaking the circuit through the motor, an electric circuit for said magnet switch device, a fluid compressor adapted to be driven by said motor, a pressure lubricating system for the compressor, two control switch devices operative to control the circuit for the magnet switch device, one of said control switch devices being operative to its circuit breaking position upon a predetermined increase in the pressure of fluid compressed by the compressor and operative to its circuit closing position upon a predetermined reduction in the compressed fluid, and the other of said control switch devices being operative upon a predetermined decrease in the pressure of the lubricating system for breaking the circuit through the magnet switch device, and means for locking the control switch device which is subject to the pressure of the lubricating system in its circuit closing position when the circuit through the magnet switch device is broken by the operation of the other control switch device, the locking means being movable manually to its circuit closing position in the absence of pressure in the lubricating system.

2,137,222
AUTOMATIC CONTROL APPARATUS
Walter A. Barr, Fort Wayne, Ind., assignor to Koppers Company, a corporation of Delaware
Application October 13, 1936, Serial No. 105,415
18 Claims. (Cl. 74—1)

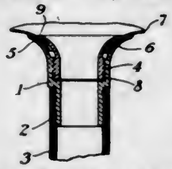
1. In apparatus for automatic sequential control, in combination: a set of oppositely acting actuating-mechanisms connectable to a device to oppositely actuate the same for controlling the direction of movement of an operating mechanism; continuously operable driving-power means having driving-mechanism for driving the respective actuating-mechanisms of the set thereof; the respective actuating-mechanisms of the

set being mounted for separate movement into and out of direct driving engagement with the driving-mechanism therefor; means normally urging the respective actuating-mechanisms into position for driving engagement with the driving mechanism therefor; and separate time-controlled means for the respective actuating-mechanisms adapted for cooperating with connecting-means therefor on the respective actuating-mech-



anisms to hold the actuating mechanisms out of driving engagement against the action of the urging means, and periodically release its hold on the connecting means so that the actuating mechanism may move into driving engagement under the action of the means for urging, to effect the positioning of the respective actuating-mechanisms into and out of driving engagement with the driving-mechanism therefor.

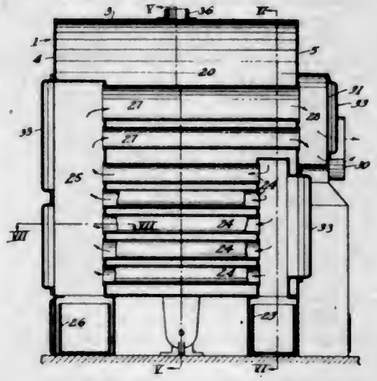
2,137,223
FITTING FOR COLLAPSIBLE TUBS
William C. Baxter, Rochester, N. Y., assignor to Trimble Nurseryland Furniture, Inc., Rochester, N. Y., a corporation of New York
Application February 3, 1938, Serial No. 188,552
2 Claims. (Cl. 285—38)



1. A fitting for clamping a hose connection to a fabric tub comprising male and female threaded members having cooperating clamping portions, both of which are located substantially above both threaded portions when in clamping position, the uppermost edge of the male member when in clamping position being located slightly beneath the uppermost edge of the female member, one of said members being constructed to receive a hose.

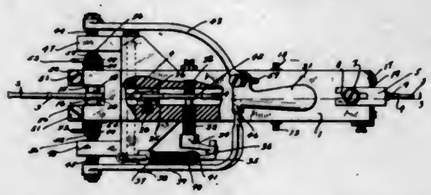
2,137,224
HEATER
Floyd L. Benedict, Columbus, Ohio
Application June 10, 1936, Serial No. 84,512
6 Claims. (Cl. 122—149)

5. In a heater of the class described, inner and outer casings having spaced walls providing a heating chamber therebetween, the interior of said inner casing being formed to provide a combustion chamber, a bridge wall disposed vertically within said inner casing and producing at the rear of the latter a primary purging chamber through which the products of combustion discharged from said combustion chamber pass downwardly and laterally, said casings being formed at the front of said heater to provide a secondary vertically arranged purging chamber, a primary bank of open-ended flues uniting the



primary and secondary purging chambers, and a secondary bank of flues arranged above the primary bank and uniting the secondary chamber with the tertiary chamber disposed at the rear of the heater, said secondary flues being of greater length than the primary flues to extend over the top of said primary chamber.

2,137,225
SHAPING TOOL FOR SAW TEETH
George E. Bodenhamer, Klamath Falls, Oreg.
Application June 20, 1936, Serial No. 86,386
4 Claims. (Cl. 76—53)

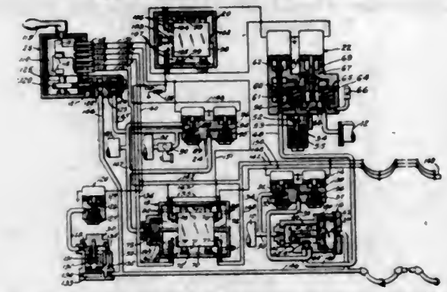


1. A tool for shaping saw teeth comprising a grooved body, a member seating within the groove and connected to the body by a pivotal connection adjustable longitudinally of the body, threaded members threaded into the body for positioning the member laterally of the groove, means for laterally positioning the body upon a saw, sleeves threaded in opposite sides of the body, dies slidably mounted within the sleeves, said dies each having a plurality of different faces, levers for turning the dies so that corresponding faces engage a saw tooth, the sleeves having notches in which the levers are seatable to prevent turning of the dies, springs between the levers and the body to withdraw the dies from co-engagement with a saw tooth, brackets at opposite sides of the body, threaded members in the brackets engaging and operating the dies, a pair of arms operating the threaded members, and one of the arms being provided with an operating handle within which the free end of the other arm is slidably seated.

2,137,226
EMULSION AND PROCESS FOR PRODUCING THE SAME
Ulric B. Bray and Lawton B. Beckwith, Palos Verdes Estates, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application March 30, 1934, Serial No. 718,214
4 Claims. (Cl. 134—1)

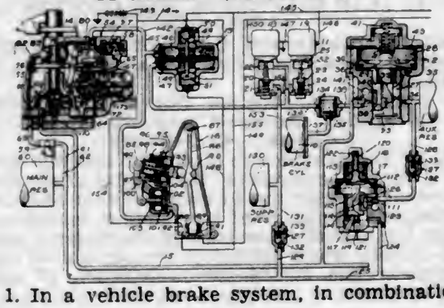
1. A process for producing aqueous bituminous emulsions of the slow breaking type which comprises emulsifying melted asphalt with an aqueous solution of alkali to produce a dispersion of the quick breaking type, cooling said dispersion, then adding a small amount of an organic agent to stabilize said dispersion and subsequently commingling said stabilized dispersion with a small amount of clay.

2,137,227
RAILWAY TRAIN BRAKE EQUIPMENT
George L. Cotter, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application November 14, 1934, Serial No. 752,959
31 Claims. (Cl. 303—24)



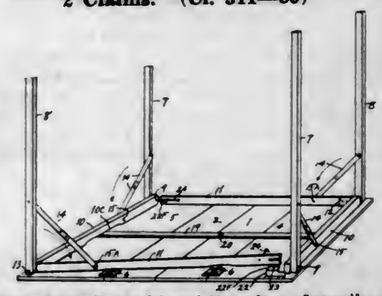
1. In a vehicle brake system, in combination, a brake cylinder, means for effecting a supply of fluid under pressure to the brake cylinder, a retardation controller device having normally open contacts and an inertia operated body operated according to the rate of retardation of the vehicle for closing said contacts, means responsive to closing of said contacts for releasing fluid under pressure from the brake cylinder, and means for varying at what rate of retardation said contacts are closed according to the pressure of fluid supplied to the brake cylinder.

2,137,228
TRAIN BRAKE EQUIPMENT
Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application October 2, 1935, Serial No. 43,143
14 Claims. (Cl. 303—24)



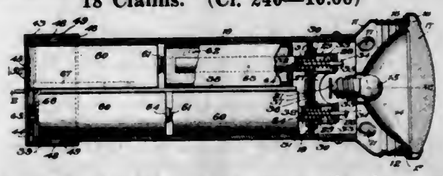
1. In a vehicle brake system, in combination, brake means, a control pipe to which fluid under pressure is supplied to effect an application of said brake means, means for effecting a supply of fluid under pressure to said control pipe, a retardation controller device for limiting the degree of application of said brake means, and means for adjusting the setting of said retardation controller device directly according to the pressure of fluid supplied to said control pipe.

2,137,229
COLLAPSIBLE TABLE
Walter B. Craighead, St. Paul, Minn.
Application September 17, 1937, Serial No. 164,353
2 Claims. (Cl. 311—89)



1. In a foldable table of the class described having a top formed of two like central panels and two wider outer panels all hinged together edge to edge to enable folding of the first two upon each other and the latter two upon the folded inner panels; a fixed longitudinal box flange parallel to the outer free edge of each outer panel at its under side, a leg pivotally connected to one end part of each said box flange and arranged to lie along the outer face of the flange, a combination leg and flange member pivotally secured to the opposite end of said fixed flange to lie initially in parallelism with the inner face of said flange, said combination member adapted to be swung to position at right angles to the fixed flange and traversing the extended top boards, and the leg part of said combination member pivotally connected to its flange member exteriorly of its hinge connection with the fixed flange, means for removably engaging and holding said movable flange at right angles to its fixed flange, and the leg member of said combination member adapted to be swung up to position at right angles to the under side of the sectional table top.

2,137,230
ELECTRIC FLASHLIGHT
Thomas R. Arden, Baldwin, N. Y., assignor to Ultrad Products, Incorporated, a corporation of New York
Application March 3, 1937, Serial No. 128,856
18 Claims. (Cl. 240—10.66)



1. In a flashlight, a handle in the form of a barrel, a lamp and reflector assembly at one end of said barrel, a rotatable closure cap structure at the other end of said barrel, two sets of cells of semi-circular shape in cross section within said barrel, one set in switch controlled circuit with

said lamp and the other set in reserve, and means whereby rotation of said closure cap structure is effective to remove the cells of the first set from the lamp circuit and to place the cells of the reserve set in circuit with said lamp.

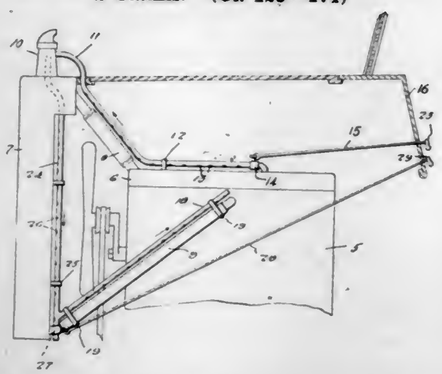
2,137,231

THAWING ATTACHMENT FOR THE HOSE CONNECTIONS AND RADIATOR OF AN INTERNAL COMBUSTION ENGINE

Orson E. Asper, Lorenzo, Idaho

Original application, December 3, 1936, Serial No. 114,058. Divided and this application June 29, 1937, Serial No. 151,056

2 Claims. (Cl. 123—174)



1. An anti-freeze attachment for engines comprising spray pipes leading respectively from the radiator neck and engine head, means for securing said pipes respectively in closely spaced relation to the upper and lower hose connection between the radiator and engine, said pipes having perforations in the walls thereof immediately adjacent said hose connection, valves in said pipe and remote control means for said valves.

2,137,232

SPINDLE

Frederic E. Banfield, Jr., Saco, Maine, assignor, by mesne assignments, to Saco-Lowell Shops, Biddeford, Maine, a corporation of Maine

Application March 21, 1935, Serial No. 12,120

2 Claims. (Cl. 308—151)



1. In a spindle structure, the combination of a spindle base, a bolster suspended in a fixed position in said base and having lateral bearings in the base at both upper and lower portions thereof serving to hold it in a stationary relationship to the base during operation, said base including a part to rest on the spindle rail and also a tubular imperforate extension projecting below said part and forming an oil well, a spindle blade mounted in said bolster, a bearing step for the lower end of said blade screw threaded into the lower end of the bolster for vertical adjustment relatively to both the bolster and said base to vary the vertical position of said blade relatively to the base, the step being supported above the bottom of said well, the upper portion of said bolster being provided with a cylindrical bearing for said blade in which the spindle is moved by said adjustment of the step while maintaining undisturbed the running relationship between the blade and said cylindrical bearing, and connections between said bolster and said step for holding the step in its various positions of adjustment.

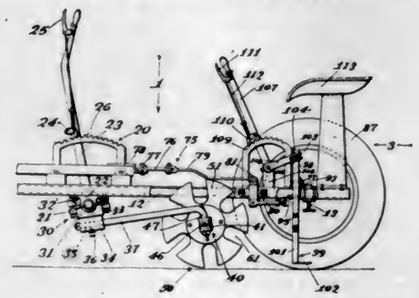
2,137,233

PLANT THINNER

Leonard G. Brotzman, Arroyo Grande, Calif.

Application August 25, 1936, Serial No. 97,773

9 Claims. (Cl. 97—22)



1. A plant thinner comprising in combination a vehicle having means whereby such vehicle may be moved longitudinally of a row of plants, an arm pivotally mounted on the vehicle, a dished disc rotatably mounted on the arm, said disc having a series of notches whereby the peripheral edge of the disc which forms a cutting edge has a series of interruptions, means on the vehicle to pivot the arm whereby the disc cuts into the soil adjacent the ground level, the peripheral edge of the disc being adapted to cut plants in the row and the notches being adapted to permit passing of the disc without cutting plants engaging in the notches.

2,137,234

BASIC LEAD STYPHNATE AND PROCESS OF MAKING IT

Willi Brun, Bridgeport, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware

No Drawing. Application June 2, 1933, Serial No. 674,049. Renewed February 11, 1937

5 Claims. (Cl. 260—622)

5. In the manufacture of salts of styphnic acid by a process comprising the sulphonation and nitration of resorcine to styphnic acid and the subsequent formation of a crystalline salt therefrom, the method of controlling the shape of said salt crystals which comprises the addition of trioxy-methylene during the preparation of said styphnic acid.

2,137,235

SHAPED ARTICLES FROM POLYMERIC MATERIALS

Wallace H. Carothers, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 15, 1937, Serial No. 125,887

15 Claims. (Cl. 18—54)

1. An improved method for cold drawing shaped articles derived from fiber-forming synthetic polymers which comprises wetting the article with an hydroxylated non-solvent for the polymer, and then applying sufficient stress to the article to effect cold drawing.

2,137,236

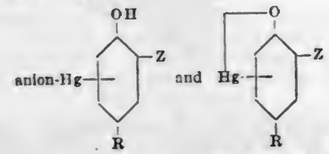
MERCURI ALKYL PHENOL DERIVATIVES

Walter G. Christiansen, Glen Ridge, N. J., and Eugene Moness, Long Island City, N. Y., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York

No Drawing. Application September 13, 1934, Serial No. 743,840

4 Claims. (Cl. 260—622)

3. Mercuri alkyl phenol derivatives of the group consisting of



wherein Z represents a member of the group consisting of halogen and nitro; and R represents a branched-chain alkyl.

2,137,237

PRECIPITATION OF NEOARSPHENAMINE AND SULPHARSPHENAMINE

Walter G. Christiansen, Glen Ridge, N. J., and Alfred E. Jurist, Brooklyn, N. Y., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York

No Drawing. Application January 12, 1937, Serial No. 120,240

10 Claims. (Cl. 260—444)

1. In the preparation of compounds of the class consisting of sulpharsphenamine and neoarsphenamine, the step of precipitating said compounds from their aqueous solutions by means of substantially dry isopropanol.

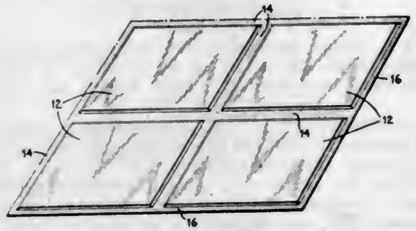
2,137,238

METHOD FOR MAKING IMITATION TILE

Samuel B. Collins, Bayonne, N. J.

Application June 3, 1933, Serial No. 674,133

3 Claims. (Cl. 41—24)



1. The method of manufacturing a waterproof wall covering comprising printing on one surface of an opaqus paper sheet rectangular areas bounded by dividing spaces to simulate tile set in a wall bounded by cement, affixing the unprinted surface of such sheet to a sheet of a composition containing an asphaltum composition and a fibrous stock, then applying to the printed surface a fluid water resistant, transparent wear resistant material to form a layer and pressing outwardly the representation of spaced tile by heat and pressure.

2,137,239

PAPER SIZING

Judson A. De Cew, Mount Vernon, N. Y.

No Drawing. Application March 12, 1936, Serial No. 68,449

2 Claims. (Cl. 134—21)

1. The method of making directly a dilute solution of ammonium resinate which comprises mixing together 3 parts of pulverized rosin, 100 parts of water, and sufficient ammonia to saponify the rosin, and heating the mixture to a temperature of approximately 100° F.

2,137,240

HORMONAL COMPOSITION

Joseph S. De Frates, New Brunswick, N. J., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York

No Drawing. Application May 16, 1935, Serial No. 21,833

13 Claims. (Cl. 167—74)

1. In the obtainment from the urine of women having defunct ovaries of a composition exhibiting the gonadotropic activity of the sex hormone of the anterior lobe of the pituitary gland in that when administered to hypophysectomized animals it is follicle-stimulating in the female and gametogenic in the male—the steps of adding to said urine a sub-precipitating amount of ammonium sulfate and then a precipitating amount of a water-miscible neutral organic solvent, separating the precipitate, adding thereto sufficient water to make a substantially saturated solution of ammonium sulfate, and recovering the undissolved material.

2,137,241

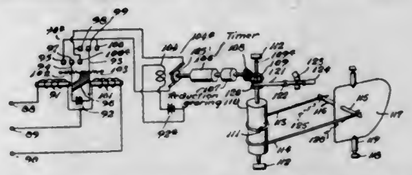
AUTOMATIC STEERING SYSTEM

Francis W. Dunmore, Washington, D. C., assignor to Government of the United States of America, as represented by the Secretary of Commerce

Application March 3, 1936, Serial No. 66,978

2 Claims. (Cl. 172—282)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. In a radio system for guiding aircraft on a radio beacon course of the interlocking equisignal dot-dash type, means for receiving said dot-dash signals on said aircraft, and means associated with said receiving means for differentiating between the dot and the dash signals and operating a rudder control mechanism of said aircraft in accordance with the relative amplitudes

of said differentiations when off course, such that said rudder is turned in a direction to return the aircraft to said course, said last named means including timing means by which its operation of the rudder is caused to take place by increments of amount separated by time intervals of no change.

2,137,242

VARNISH RESINS AND PROCESS OF MAKING SAME

Carleton Ellis, Montclair, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey

No Drawing. Application November 15, 1934, Serial No. 753,123

3 Claims. (Cl. 260—4)

1. The process of forming an oil-soluble xylenol-aldehyde resin consisting in reacting formaldehyde and mixed xylenols in the proportion of 1 mole of formaldehyde to more than 1 mole of xylenols, separating the unreacted xylenols from the resin thus formed, reacting the xylenols thus recovered with formaldehyde in the proportion of about 1 mole of formaldehyde to 1 mole of xylenols, and mixing the resin from the second reaction with the resin from the first reaction.

2,137,243

ARTICLE MADE FROM PERFORATED CELLULOSE SHEETS

Wilbert A. Heyman, New York, N. Y.

Application April 20, 1936, Serial No. 75,491

10 Claims. (Cl. 99—77)



1. As an article of manufacture, an envelope provided with a plurality of closely associated minute apertures, said envelope being divided into two compartments, and the apertures of one of said compartments being larger than those provided in the other thereof.

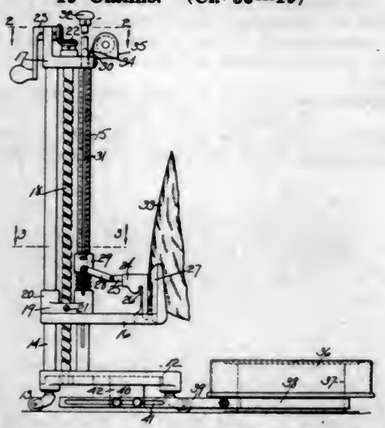
2,137,244

GARMENT MARKER

Rose Hoffman, Hartford, Conn.

Application July 20, 1936, Serial No. 91,509

19 Claims. (Cl. 33—10)



11. A garment marker including a platform upon which a person may stand, a support located in cooperative position relative to said platform, a stapling device mounted on said support and comprising a magazine for staples and a stapling plunger longitudinally movable in line with that of movement of the staples from the magazine to drive said staples, and an actuating plunger mounted on said support and operatively connected with said stapling plunger.

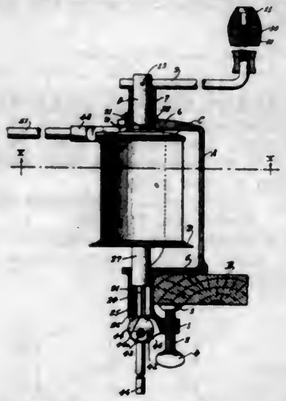
2,137,245

CAN SEALING APPARATUS

John Junkunc, Chicago, Ill.

Application April 9, 1936, Serial No. 73,402

7 Claims. (Cl. 113—23)



1. A hand-operated double-seaming apparatus for cans which comprises the combination with a suitable frame having provision for securing it to a support such as a table or ledge, a rotatable driver or chuck supported in said frame and adapted to enter and fit the recess in a can cover, a follower axially aligned with said driver and adapted to be moved toward and away from said driver, a handle for rotating said driver and a can supported between it and the follower, said follower comprising a plate rotatively mounted on a spindle, said spindle having a bore to receive a tail pin, a tail pin centered in said spindle bore, means for adjustably connecting said spindle and tail pin to adjust the position of the follower with respect to the driver to accommodate cans of different heights, cam means acting directly against said tail pin for moving said follower and a supported can into driving relation with said driver, a single oscillatable lever pivoted between its ends to said frame adjacent the driver, a roller rotatably mounted on said lever near one end thereof and another roller rotatably mounted on said lever between its pivot and the other end of the lever, the rollers being movable successively in arcuate paths about the lever pivot as a center and against the can cover for sealing the cover to the can.

2,137,246

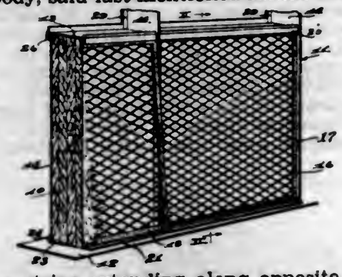
FILTER

Frank L. Myers, Newark, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio

Application November 27, 1935, Serial No. 51,753

4 Claims. (Cl. 183—49)

1. A filtering apparatus comprising a stationary framework formed to provide a rectangular cell, flanges extending along the cell walls and providing an abutment, a grill mounted in the cell with its marginal surfaces bearing against said abutment, said grill forming the rear wall of the cell, a rigid self-supporting body of filtering material mounted in said cell and bearing against said grill, said body composed of a matted mass of fibers bonded together to form a rigid handleable pad, a front grill, and means for removably holding the front grill in said cell with the grill bearing against the front face of the filter body, said last mentioned means comprising



holding strips extending along opposite walls of the cell, one of said strips extending from the cell wall a greater distance than the other, the front grill being of such dimensions that it can be engaged behind said holding strips and can be released from the holding strips by a movement in its own plane, for removal from the cell.

2,137,247

METHOD OF PRESERVING ADOBE AND OTHER POROUS MATERIAL

Frederick T. Martius, Omaha, Nebr.

No Drawing. Application November 16, 1936, Serial No. 111,079

2 Claims. (Cl. 260—32)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The method of preserving objects made of adobe and like granular porous materials which consists in impregnating at least the surface thereof, without the production of a glossy surface, with a clear colorless liquid consisting of a solution of a vinyl acetate resin in acetone and toluene in the ratio of approximately 10 grams of vinyl resin to 55–60 cc. of acetone per percent of solution desired. the solution being made up to approximately 1000 cc. with toluene and having a consistency such that the surface of the object retains its original texture and color and is waterproof and resistant to abrasion.

2,137,248

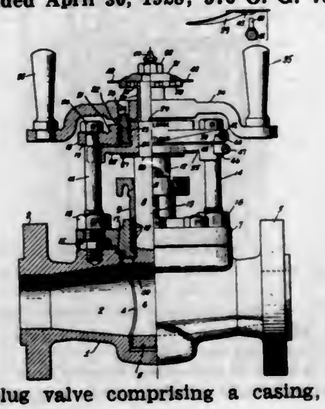
PLUG VALVE

Edwin C. McFarlane, Pearl River, N. Y.

Application December 5, 1936, Serial No. 114,344

3 Claims. (Cl. 251—97)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A plug valve comprising a casing, a plug mounted for axial and rotary movement within the casing and having an operating stem, rotary means operatively connected with the stem for imparting axial movement thereto to unseat and reseat the plug, an operating device mounted on the stem for imparting rotary movement to the plug, and an operating handle slidably and rotatably mounted on the plug stem between said rotary means and said operating device and adapted for engagement with either said rotary means or said operating device to impart successive axial and rotary movements to the stem and plug.

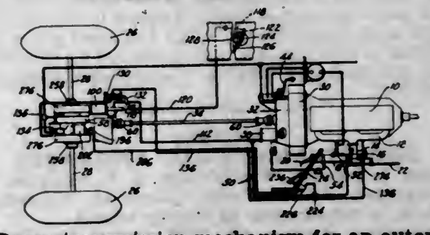
2,137,249

VEHICLE TRANSMISSION

Roy S. Sanford, New York, N. Y., and Montgomery W. McConkey, South Bend, Ind., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Original application February 6, 1932, Serial No. 591,427. Divided and this application August 14, 1935, Serial No. 36,110

1 Claim. (Cl. 74—389.5)



Power transmission mechanism for an automotive vehicle provided with two rear wheels, and driving shafts operably connected therewith, means for driving said shafts comprising a one-way clutch unit slidably and drivably connected to each of said driving shafts, a ring gear adapted to be drivably connected to said clutch units, and means for coupling said clutch units with said ring gear.

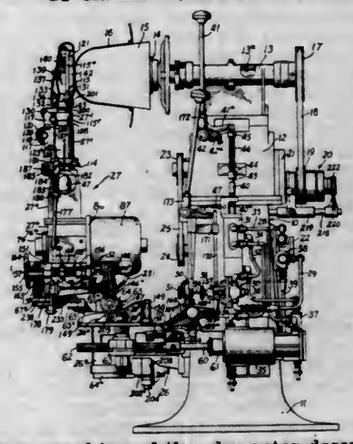
2,137,250

POUNCING MACHINE

Paul Schultze, Rose Hill, Danbury, Conn., assignor to John C. Doran, doing business as Doran Brothers, Incorporated, Danbury, Conn.

Application June 22, 1936, Serial No. 86,484

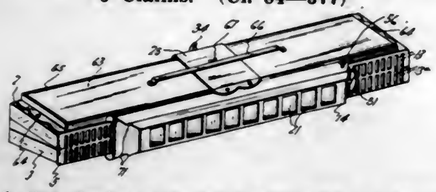
14 Claims. (Cl. 223—20)



1. In a machine of the character described, in combination, a base, a hat support rotatably

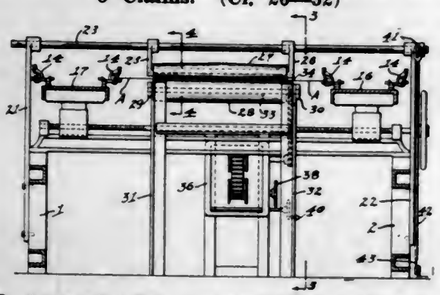
mounted on said base, a tool support resiliently mounted on said base and pivotable about said hat support, and a tool reciprocably mounted on said tool support.

2,137,251
HARMONICA
Walter R. Steele, La Mesa, Calif.
Application March 15, 1937, Serial No. 130,835
6 Claims. (Cl. 84—377)



1. In a device of the kind described, a reed plate assembly having a plurality of reeds, a mouthpiece slidably mounted on the assembly and having openings to conduct air to the reeds selectively in any sequence, a band attached to the mouthpiece and slidably encircling the reed plate assembly, a lock bar, and a dog carried by the band and adapted for locking engagement with the lock bar.

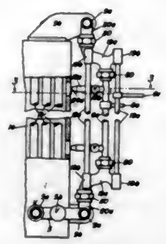
2,137,252
BOW STRAIGHTENING APPARATUS
Frank J. Stevens, Providence, R. I., assignor to Cranston Print Works Company, Cranston, R. I., a corporation of Rhode Island
Application August 12, 1936, Serial No. 95,524
8 Claims. (Cl. 26—52)



2. Apparatus for eliminating bowing in a piece of cloth comprising, in combination, feeding means engaging the edges of said piece and capable of positively moving each edge at a predetermined speed and means for simultaneously engaging the piece intermediate of its edges and capable of positively moving said piece intermediate of its edges at a speed different from that of the said edges; the said piece being moved in its own plane by the said engaging means so as to impart the greatest difference in speed to that portion of the piece where the bowing is greatest and to impart less difference in speed from said portion toward the edges of the piece.

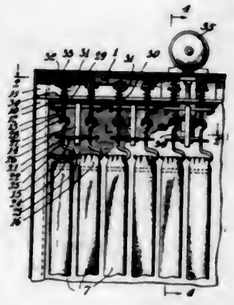
2,137,253
APPARATUS FOR THE FIRESIDE CLEANING OF BOILERS
Beriah M. Thompson, United States Navy
Application September 10, 1935, Serial No. 39,948
6 Claims. (Cl. 122—392)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. Apparatus for cleaning combustion deposit from the firesides of boilers while being subjected to substantial working heat, comprising, in combination, a boiler having tubes and a casing provided with fire-sides therein and openings through the casing at intervals, and means for applying through said openings liquid in exposed jets under pressure adjacent the hot combustion deposit upon said tubes, said means comprising an outwardly extending pair of spaced apart arms each having parallel bearings at opposite ends, a revoluble pipe extending between and mounted in the bearings of the adjacent ends of said arms, bearing brackets receiving the bearings at the outer ends of said arms, said brackets being



mounted to one side of said openings at intervals, at least one of said arms and its bearing bracket being hollow for supplying water to said pipe, lateral nozzles extending from said pipe one into each of said openings at intervals, and a rigid connection extending between said arms, there being such temperature gradient between such deposit and said jets exposed to the heat that said deposit is contracted and cleaned from the place adjacent which said liquid is applied, there being such relation of the heat within the boiler and the space between the tubes containing the deposit that the applied liquid may be transformed into steam before it may contact any injurable portion of the fire-sides.

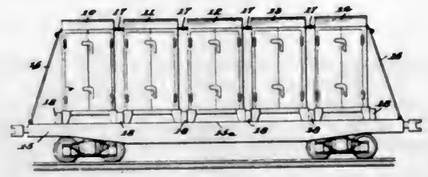
2,137,254
DUST COLLECTOR
David C. Turnbull, Mishawaka, Ind., assignor to The American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware
Application March 3, 1936, Serial No. 66,813
7 Claims. (Cl. 183—58)



5. In a dust collector, in combination, a supporting structure, a filter bag having an end turned over and secured to the body of the bag to form a loop, a one-piece suspension hook having a substantially straight bag-engaging portion

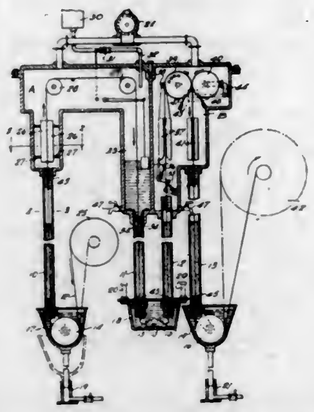
adapted to extend through said loop, a shank portion substantially centered with respect to said straight portion and a portion integral with and connecting the shank to an end of said bag-engaging portion, and means engageable with said suspension hook for supporting it from said supporting structure.

2,137,255
MERCHANDISE CONTAINER
Clarence E. Tuttle, Baltimore, Md., assignor, by mesne assignments, to Rustless Iron and Steel Corporation, Baltimore, Md., a corporation of Delaware
Application August 7, 1935, Serial No. 35,216
7 Claims. (Cl. 220—1.5)



1. In railway equipment of the class described, a merchandise container for less than car load lots comprising a body portion adapted to withstand wear and corrosive attack under the shock and vibration encountered in use, said body portion being fashioned of incorrodible iron plate or sheet analyzing approximately, 6 per cent to 17 per cent chromium, .3 per cent to 3 per cent manganese, .02 per cent to .15 per cent carbon, and the balance substantially iron.

2,137,256
MANUFACTURE OF INKED RIBBONS
Frederick A. Waldron, Westfield, N. J.
Application July 19, 1932, Serial No. 623,368
Renewed June 22, 1937
11 Claims. (Cl. 91—70)



1. In the manufacture of typewriter ribbons, the step which includes passing an evacuated strip of fabric downwardly through an ink bath and an inert liquid under progressively increasing pressure from a vacuum to a pressure substantially above atmospheric, whereby the pigment and vehicle of the ink are pressed into the fabric.

2,137,257
METHOD OF MAKING WIRE MESH
Herbert E. White, San Francisco, Calif., assignor to E. H. Edwards Company, a corporation of California
Original application April 20, 1936, Serial No. 75,488. Divided and this application November 13, 1936, Serial No. 110,745
8 Claims. (Cl. 140—112)



1. The method of forming an open meshed fabric of continuous crossed strands, which consists in laying a plurality of continuous strands to form a tubular body of said strands, and bringing together spaced portions of the walls of the body to form a plurality of superposed layers of strands, the strands of each layer crossing those of another layer.

2,137,258
ATTACHMENT PLUG
Morris W. Berger and Peter Weinberg, San Francisco, Calif.
Application September 5, 1934, Serial No. 742,721
1 Claim. (Cl. 173—343)

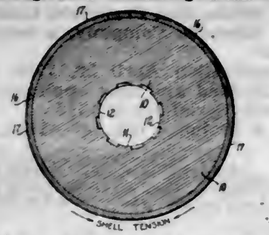


A base for an electrical connector, comprising a metal shell, said shell being of substantially cup-like form but having its closed end formed to provide an aperture therethrough, the open end of said shell being slotted longitudinally to provide a plurality of spaced longitudinally extending prongs extending circumferentially around said open end, a sleeve of insulation material around the interior of, and an insulation disc at the interior bottom of said shell, a disc of insulating material overlying the bottom of said shell on the outside thereof, a yieldable cup-like contact in the bottom of said shell on said insulation disc, a contact on the outside of said insulating disc, a connection between said contact and said cup-like contact, said connection extending through the interior and exterior insulating discs and the aperture in the closed end of said shell and spaced from the side edges of the latter, said connection comprising means for uniting said contact, discs, and shell, said prongs being bent inwardly over the upper edges of said insulation sleeve in substantial parallelism with the sides thereof to provide an annular spring contact spaced from said cup-like contact, and a cylindrical insulating member surrounding the upper portion of said shell.

2,137,259
COMPOSITE FIREARM BARREL
Thomas I. S. Boak, Hamden, Conn., assignor to Winchester Repeating Arms Company, New Haven, Conn., a corporation of Maryland
Application December 14, 1935, Serial No. 54,433
2 Claims. (Cl. 42—76)

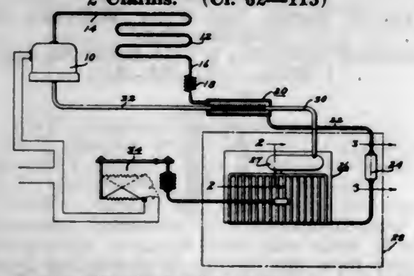
1. A composite barrel for firearms, comprising: a relatively-thick tubular barrel-body and a relatively-thin tubular heat-dispersing and finishing shell composed of different metal than the said barrel-body and having a greater degree of

thermal conductivity than the same, the said heat-dispersing and finishing shell having its



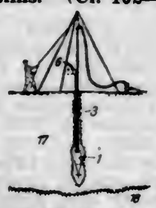
outer surface oxidized and permeated with a coloring material of a character serving to increase the heat emissivity of the said shell.

2,137,260
REFRIGERATING APPARATUS
Chalmers B. Boles, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application August 23, 1934, Serial No. 741,107
2 Claims. (Cl. 62—115)



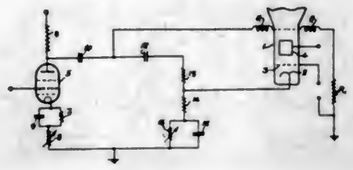
1. In a mechanical refrigerating apparatus, the combination of a refrigerant liquefying means including a refrigerant condenser, a refrigerant evaporator having an inlet and an outlet, means for interchanging heat between the refrigerant entering the evaporator and that leaving the evaporator, a first continuously open restrictor between the condenser and the interchanging means, a second continuously open restrictor between the interchanging means and the evaporator, and a liquid and gaseous refrigerant reservoir at the top of the evaporator adjacent the outlet thereof.

2,137,261
METHOD OF AND DEVICE FOR FLUSHING-IN BLASTING CHARGES
Karl Böll, Berlin, and Arthur Edelhoff, Berlin-Schoneberg, Germany, assignors to Sprengund Tauchgesellschaft m. b. H., Berlin-Schoneberg, Germany, a corporation of Germany
Application April 1, 1937, Serial No. 134,281
In Germany July 29, 1935
7 Claims. (Cl. 102—4)



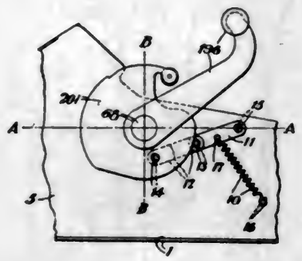
1. The method of blasting in soft or moory soil for road or dam fills and the like, which comprises attaching a casing enclosing a blasting charge to a water pipe of much smaller diameter than the casing, flushing the casing into the soil by water supplied through the pipe while guiding the casing by means of the pipe, and exploding the charge in the casing.

2,137,262
TELEVISION SYSTEM
Michael Bowman-Manifold, Worplesdon Station, England, assignor to Electric & Musical Industries Limited, Middlesex, England, a British company
Application January 30, 1936, Serial No. 61,519
In Great Britain October 16, 1934
3 Claims. (Cl. 178—7.5)



1. In television apparatus including a cathode ray tube, electromagnetic deflecting means for deflecting the cathode ray developed within said tube, means for causing the scanning current of substantially sawtooth wave form to flow in said deflecting means, a black-out circuit for generating a black-out voltage which is substantially proportional to the time differential of said scanning current comprising a condenser and a resistance in series, and having a time constant substantially equal to that of said deflecting circuit, and means for utilizing said black-out voltage to black-out said cathode ray.

2,137,263
TOGGLE STOP DEVICE
Charles H. Bradt and William J. Higgins, Groton, N. Y., assignors to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y., a corporation of New York
Application March 29, 1937, Serial No. 133,567
7 Claims. (Cl. 74—526)

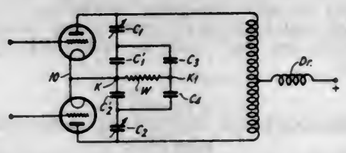


1. The combination of an element supported for oscillation thereof about a fixed axis, and a toggle having a stationary anchorage and also having an anchorage which oscillates with said element and connects the toggle with said element at a distance so spaced radially from the axis of oscillation of the element that movement of said element in each direction about its axis will be positively and quietly limited with little shock by straightening of the toggle.

2,137,264
PRODUCTION OF FOLDED TEXTILE THREADS
John Brandwood, Birkdale, Southport, England
No Drawing. Application December 13, 1937, Serial No. 179,547. In Great Britain July 18, 1936
2 Claims. (Cl. 117—23)

1. In the preparation of a folded textile thread or ply yarn, winding a plurality of threads each upon a separate holder with a taper wind, winding the same threads together side by side upon a further single holder with a taper wind, and drawing the said threads together overend from the single package, the latter being stationary during this operation, to the holder upon which the folded thread or ply yarn is to be employed.

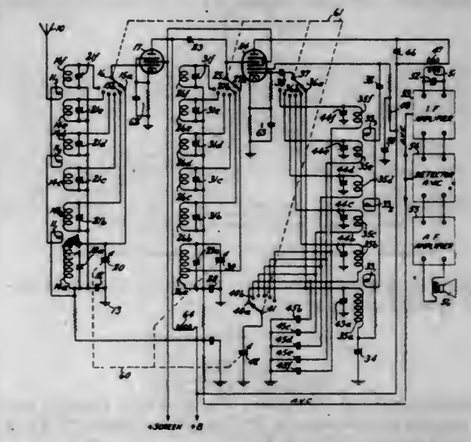
2,137,265
CIRCUIT FOR SUPPRESSING DISTURBANCE WAVES AND UPPER HARMONICS
Werner Buschbeck, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application August 4, 1937, Serial No. 157,240
In Germany July 11, 1936
3 Claims. (Cl. 179—171)



2. In a signalling system in combination, wave energy amplifying and relaying means comprising a pair of electron discharge devices having input electrodes on which wave energy to be relayed may be impressed and having output electrodes connected in push-pull relation, said tubes having cathodes connected together, a plurality of similar series reactances connected between said output electrodes, at least one of said reactances being variable for tuning purposes, a connection between a common point on said reactances and the cathodes of said tubes and means for preventing the production of undesired oscillations in said output circuit including additional reactances connected in shunt to a pair of said series reactances to form therewith a bridge circuit, and an energy dissipating element in a diagonal of said bridge circuit.

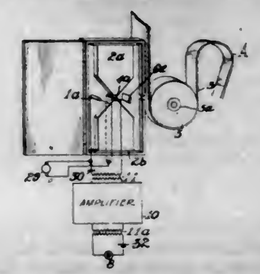
2,137,266
MULTIBAND RECEIVER
Nelson P. Case, Bayside, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application May 25, 1935, Serial No. 23,376
Renewed October 27, 1936
11 Claims. (Cl. 250—40)

10. The method of operating a multi-band radio receiver having band-selecting means and a tuning element variable between minimum and maximum values, which comprises adjusting the reactive constants of the receiver selectively to tune it to any one of a plurality of bands while maintaining L/C ratios for the several bands that are of the same order of magnitude, and varying the effectiveness of said tuning element in accordance with the band selected to effect separation of adjacent signal channels of the same frequency separation within the respective bands by displacements of said tuning element having magnitudes in a ratio, from band to band in the order of decreasing frequency, which is



substantially greater than the inverse ratio of the mean frequencies of the said bands.

2,137,267
SOUND RECORD PROCESS
Aloysius J. Cawley, Pittston, Pa.
Application June 14, 1929, Serial No. 371,020
Renewed April 15, 1938
3 Claims. (Cl. 179—100.3)

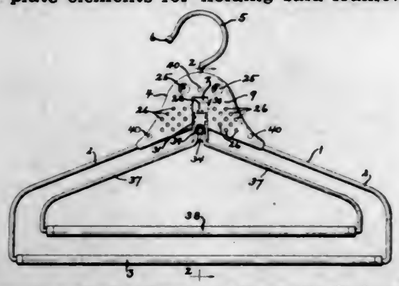


1. A sound recording apparatus consisting of a light source supplied with sound modulated electric current, a pair of magnetic poles separated by a narrow space through which light from said source passes to form a beam thereof, a conductor supplied with said sound modulated current and disposed in said space between said poles and vibrating in said space under the influence of said current, a cylindrical lens in the path of said beam and acting to unilaterally converge said beam, a slit limiting the area of said beam to form a fixed beam of uniform cross sectional area and a photo-sensitive surface in contact with said beam after its passage through said aperture to have its substance photochemically altered by said light beam to form a developable sound record of great contrast.

2,137,268
GARMENT HANGER DEVICE
Julius C. Clairon, New York, N. Y.
Application June 8, 1937, Serial No. 146,977
21 Claims. (Cl. 223—86)

1. In a device of the type described, a plurality of garment supporting frameworks, a union of shell-like plate elements mechanically associ-

ating and uniting said frameworks and means on said plate elements for holding said frameworks



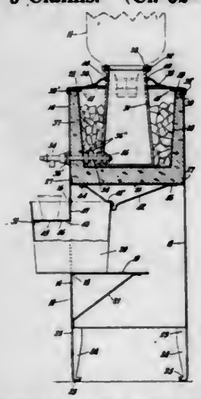
either in a single plane or alternatively in angular spaced apart relation.

2,137,269

WATER COOLER

Christopher M. Cordley, Greenwich, Conn., assignor to Cordley & Hayes, New York, N. Y., a corporation of New York

Application June 7, 1935, Serial No. 25,370
5 Claims. (Cl. 62—141)



5. In combination with a liquid dispensing device comprising a cabinet, a wall of said cabinet having an opening therein and a tongue integral with said wall and extending into the interior of the cabinet to form a shelf at the base of said opening, a waste receptacle in said opening resting on said shelf with its upper edge closely adjacent the top of said opening, a portion of said waste receptacle projecting outside said cabinet, and a tray in said projecting portion of said receptacle, said tray comprising a horizontal section and a vertical section, means at the upper corners for supporting the tray on said upper edge of said receptacle with its vertical section lying substantially in said opening.

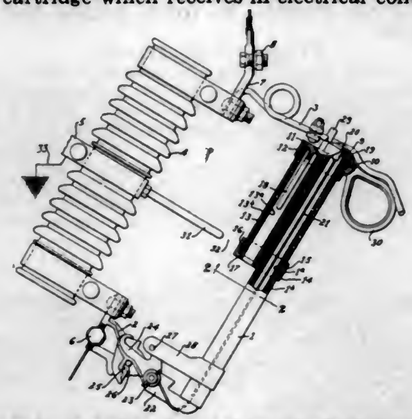
2,137,270

PROTECTIVE DEVICE FOR ELECTRIC CIRCUITS

Lindell Lloyd Crump, Kirkwood, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri

Application July 2, 1936, Serial No. 88,530
9 Claims. (Cl. 200—115)

1. A cartridge for a protective device for electric circuits adapted for disposition between spaced terminals of a switch mounting, comprising a fuse tube, a fuse link arranged in said fuse tube and adapted to be ruptured by abnormal current passing therethrough, a surge tube fixedly associated with said fuse tube and provided with an air gap formed therein across which an electric arc is formed by electric current passing through said surge tube, a contact member at an end of the cartridge which receives in electrical contact



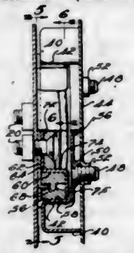
therewith one of said spaced terminals and serves as a common contact for said fuse tube and said surge tube, said surge tube being located at one side only of said fuse tube and being formed of material which gives off gas in the presence of an electric arc that tends to extinguish the electric arc.

2,137,271

COMBINATION DOVETAIL AND LOCK KEEPER

William C. Devereaux, Detroit, Mich.

Application August 30, 1935, Serial No. 38,583
1 Claim. (Cl. 16—85)



A dovetail wedge member comprising a combination, a base member, a second member secured to said base member and formed to define therewith a pair of recesses arranged in back-to-back relation and the bases of which recesses constitute oppositely disposed sliding surfaces, a slotted block individual to each of said surfaces and disposed to slide therealong, and means including a tongue struck out of said base member individual to each block and disposed to enter the slot thereof to retain said blocks within said recesses.

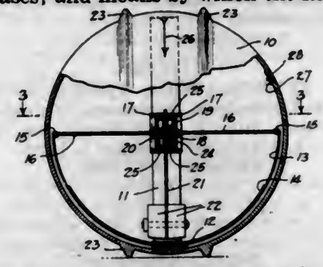
2,137,272

RETURNABLE TOY BALL

Andrew J. Dinkel, Yuma, Ariz., assignor of one-half to Ovila W. Fleury, Los Angeles, Calif.

Application November 27, 1936, Serial No. 112,941
9 Claims. (Cl. 46—207)

1. A returnable toy ball comprising a rollable body having means for guiding it in a straight path when rolled on a surface; means co-acting with the body to store energy in response to rotative movement of the body in one direction when the body is rolled on the surface, and operable to reversely roll the body by expending the energy when the rolling movement first imparted to the body ceases; and means by which the first means



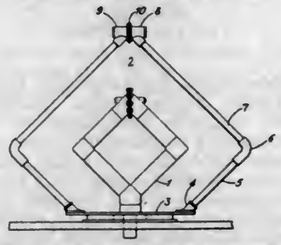
is rendered inactive to store energy in the body when reversely rotated in rolling the body on a surface, whereby to enable the body to be rolled as a free ball.

2,137,273

DIRECTION FINDER CORRECTING LOOP

Benjamin L. Dolbear, Belmont, Mass., assignor to Radio Corporation of America, a corporation of Delaware

Application May 22, 1935, Serial No. 22,715
2 Claims. (Cl. 250—11)



1. A radio direction finder antenna comprising a metallic base member electrically connected to ground, a rotatable loop having a vertical shaft passing through said base member, a tubular metallic correcting loop member following the contour of the upper portion of said rotatable loop, the lower portion of said tubular metallic member being branched out and joined by two supporting members each having two separate arms extending downward to support said tubular metallic member on said base member, said tubular metallic member being subdivided at its top, an insulating separation member located at the top of said tubular metallic member to break its electrical continuity, and a variable reactive element electrically connected in series between the subdivided portions broken by said insulating separation member.

2,137,274

CELLULOSIC FILM AND METHOD OF MAKING SAME

Donald E. Drew, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 22, 1936, Serial No. 107,056
11 Claims. (Cl. 91—68)

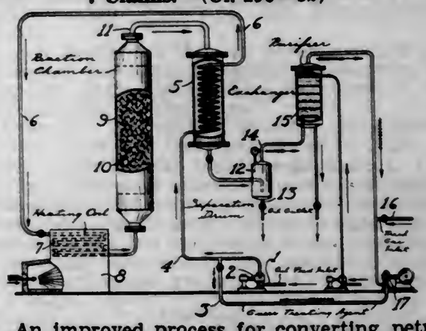
5. A moisture permeable transparent film cast from an aqueous cellulosic solution, said film containing a material taken from the class consisting of those normally solid primary alkyl amines of high molecular weight hydrocarbons which have at least one water-soluble salt, and water-soluble salts thereof, said material being present in sufficient amount to prevent any appreciable adhesion of said films to each other and in insufficient amount to impair the transparency of said films.

2,137,275

PROCESS OF RECONSTITUTING AND DEHYDROGENATING HEAVIER HYDROCARBONS AND MAKING AN ANTIKNOCK GASOLINE

Carleton Ellis, Montclair, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application September 20, 1935, Serial No. 41,424
7 Claims. (Cl. 196—52)



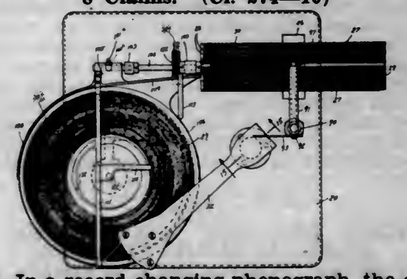
1. An improved process for converting petroleum distillates rich in paraffinic constituents into lower boiling oils rich in naphthenic constituents which comprises passing the oil in vapor form through a reaction zone at a temperature in excess of 900° F. and at a rate adapted to permit thermal decomposition of the initial material to said lower boiling hydrocarbons while under total pressure of the order of 200 atmospheres in the presence of a gaseous hydrocarbon diluent which is substantially non-reactive under the conditions, in proportion of at least 100 cubic feet per gallon of oil and adjusted to effect splitting without excessive polymerization.

2,137,276

AUTOMATIC PHONOGRAPH

Ralph R. Erbe, Fort Wayne, Ind., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill., a corporation

Application March 11, 1935, Serial No. 10,441
8 Claims. (Cl. 274—10)



6. In a record changing phonograph, the combination of a playing turntable, a record storage magazine adapted to contain a plurality of records on edge, a record carrier movable between a vertical and a horizontal position, an inclined trackway leading from the magazine to the carrier, a movable finger adapted to roll a record from the magazine to the carrier when the latter is in the vertical position and serving to prevent the record from rolling from the carrier while in that position, means operable thereafter to

move the carrier to place the record on the turntable for playing and to remove the same therefrom after playing, a stationary guide member mounted on the phonograph adjacent the line of movement of said carrier for preventing the record from rolling from the carrier during said movement, and means operating after said movement to retract the finger to permit the record to roll down the trackway to the magazine.

2,137,277

PAPER SACK FOR RETAILING EGGS

Max S. Finley, Indianapolis, Ind.

Application September 9, 1937, Serial No. 162,981
11 Claims. (Cl. 229—56)



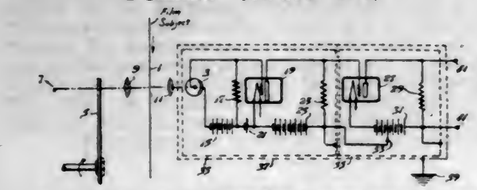
1. A paper sack formed out of a single sheet of paper folded double having individual egg compartments formed of the inner layer of the folded sheet, and having portions of opposite faces of the inner layer brought into contact and secured above a bottom fold of the outer layer of the folded sheet under the egg compartments.

2,137,278

AMPLIFIER SYSTEM

Roscoe H. George and Howard J. Heim, West Lafayette, Ind., assignors to Radio Corporation of America, a corporation of Delaware

Application September 30, 1935, Serial No. 42,817
4 Claims. (Cl. 250—41.5)



1. A multi-stage amplifier system comprising a plurality of cascaded thermionic tubes, a source of anode voltage for each of said tubes, means for controlling the output current from the first of said tubes in accordance with a variable quantity so as to control thereby the current flowing through subsequent tubes, means for biasing the second tube of the series from the source of anode voltage for said tube, separate electrostatic shielding means surrounding each of said tubes, a connection from the positive terminal of the anode voltage source for each tube to said shielding means, and a second shielding means surrounding all of said tubes and the individual shields therefor and insulated from the first named shielding means.

2,137,279

PROCESS FOR THE MANUFACTURE OF PHTHALIC DI-DIETHYLAMIDE

Felix Haffner, Tubingen, and Fritz Sommer, Berlin, Germany, assignors to the firm Chemische Fabrik Grünau, Landshoff & Meyer, A. G., Berlin-Grunau, Germany, a company of Germany

No Drawing. Original application February 7, 1935, Serial No. 5,494, now Patent No. 2,057,145, dated October 13, 1936. Divided and this application September 9, 1936, Serial No. 99,956
In Germany February 9, 1934
8 Claims. (Cl. 260—558)

1. A process for the manufacture of phthalic di-diethylamide comprising the steps of reacting phthalyl dichloride with diethylamine in an aqueous solution, and salting out the phthalic di-diethylamide thus formed by saturating the solution with common salt.

2,137,280

HIGH TEMPERATURE THERMOCOUPLE

Fritz Hartmann, Dortmund, Germany

Application July 7, 1936, Serial No. 89,427
In Germany January 7, 1936
6 Claims. (Cl. 136—4)



6. A thermocouple for measuring the temperatures of highly heated melts, consisting of a unitary pair of parts, comprising an outer tube and a substantially co-extensive inner rod within the said outer tube, the said outer tube and the said inner rod forming respectively the elements of the thermocouple, one of the said parts being made of carbon and the other of silicon carbide, the said outer tube and inner rod being connected together at one end in axially immovable relation to present a position of contact of the carbon and silicon carbide, while at the opposite end the respective parts are adapted for connection to another unitary pair of parts without contact between the said parts.

2,137,281

COPPER ALLOYS

Franz R. Hensel and Earl I. Larsen, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware

No Drawing. Application September 15, 1937, Serial No. 164,032
2 Claims. (Cl. 75—159)

2. An age-hardened alloy composed of .05 to 5% zirconium, .1 to 5% of a metal selected from the group consisting of iron, cobalt and nickel, and the balance substantially all copper, characterized by high hardness and high electrical conductivity and further characterized by the fact that its hardness and conductivity are not permanently affected by temperatures in the order of 450° C.

2,137,282

COPPER ALLOYS

Franz R. Hensel and Earl I. Larsen, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware

No Drawing. Application August 12, 1938, Serial No. 224,498
1 Claim. (Cl. 75—159)

A heat-treated alloy composed of 0.05 to 5% zirconium, 0.1 to 30% of a metal or a combination of metals selected from the group consisting of iron, cobalt and nickel, 0.05 to 3% silicon, and the balance substantially all copper, characterized by high hardness and further characterized by the fact that its hardness is not permanently adversely affected by temperatures in the order of 450° C.

2,137,283

COPPER ALLOYS

Franz R. Hensel and Earl I. Larsen, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware

No Drawing. Application August 12, 1938, Serial No. 224,499
1 Claim. (Cl. 75—159)

A heat-treated alloy composed of 0.05 to 5% zirconium, 0.1 to 30% of a metal or a combination of metals selected from the group consisting of iron, cobalt and nickel, 0.05 to 3% beryllium, and the balance substantially all copper, characterized by high hardness and further characterized by the fact that its hardness is not permanently adversely affected by temperatures in the order of 450° C.

2,137,284

COPPER ALLOYS

Franz R. Hensel and Earl I. Larsen, Indianapolis, Ind., assignors to P. R. Mallory & Co. Inc., Indianapolis, Ind., a corporation of Delaware

No Drawing. Application August 12, 1938, Serial No. 224,500
1 Claim. (Cl. 75—160)

A heat-treated alloy composed of 0.05 to 5% zirconium, 0.1 to 30% manganese, 0.05 to 3% silicon, and the balance substantially all copper, characterized by high hardness and further characterized by the fact that its hardness it not permanently adversely affected by temperatures in the order of 450° C.

2,137,285

COPPER ALLOYS

Franz R. Hensel and Earl I. Larsen, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware

No Drawing. Application August 12, 1938, Serial No. 224,501
1 Claim. (Cl. 75—161)

A heat-treated alloy composed of 0.05 to 5% zirconium, 0.1 to 30% manganese, 0.05 to 3% beryllium, and the balance substantially all copper, characterized by high hardness and further characterized by the fact that its hardness is not permanently adversely affected by temperatures in the order of 450° C.

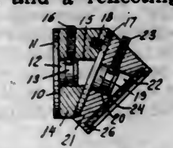
2,137,286

REFLECTOR

Henry Frank Herbig, New York, N. Y., assignor to Signaphone Corporation of America, New York, N. Y., a corporation of Delaware

Application May 26, 1936, Serial No. 81,821
7 Claims. (Cl. 88—97)

3. A reflecting device comprising a base, a pedestal on said base, a member rotatably mounted on the base and having a bore for receiving said pedestal, a base secured to said member at an angle to said first base, a pedestal on said second base, a member rotatably mounted on said second base and having a bore for receiving the pedestal thereof, and a reflecting element carried



by said second member at an angle to said second base.

2,137,287

DIAMIDES OF ORGANIC DICARBOXYLIC ACIDS AND PROCESS OF PRODUCING SAME

Heinrich Hopff and Helmut Ohlinger, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application March 5, 1936, Serial No. 67,300. In Germany March 9, 1935
8 Claims. (Cl. 260—281)

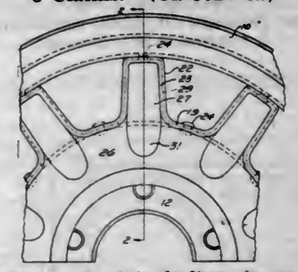
1. The process for the production of substances selected from the class consisting of dicarboxylic acid diamides and imides, which comprises treating one molecular proportion of a polynuclear compound containing at least one aromatic nucleus with at least two molecular proportions of a substance selected from the class consisting of carbamic acid chlorine and its alkyl substitution products and at least two molecular proportions of a condensing agent of the Friedel-Crafts type in the presence of an inert diluent.

2,137,288

VEHICLE WHEEL

Harry J. Horn, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan

Application June 24, 1935, Serial No. 28,065
3 Claims. (Cl. 301—62)



1. A vehicle wheel including, in combination, a disk-like bolting on member having a peripheral flange of substantially axial extent, a rim arranged in concentric relation to said peripheral flange, a spoke spider comprising a strip of metal, the main body portion of which extends transversely of the wheel plane, alternately attached to the rim and said peripheral flange, and a cover for the spoke spider comprising a single stamping having a serpentine peripheral formation provided with a continuous peripheral flange juxtaposed to the main body portion of the spoke spider, said cover being secured to the spoke spider adjacent the periphery thereof.

2,137,289

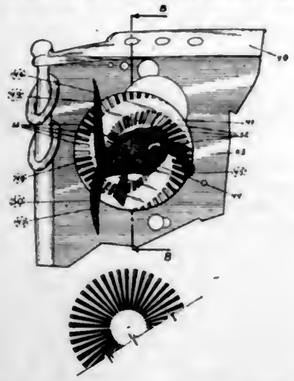
ANIMATED SIGN

Fred Hotchner, Los Angeles, Calif.

Application July 26, 1937, Serial No. 155,730
20 Claims. (Cl. 40—34)

20. Apparatus for producing motion effects including, in combination, a pair of sheet members

disposed to be moved relative to each other, one behind the other, the forward of said members having a plurality of openings therethrough spaced along a definite path over which the illusion of motion is to be produced, the rearward of said members being provided with means to represent a series of spaced dark segments alternating with light segments along said path at



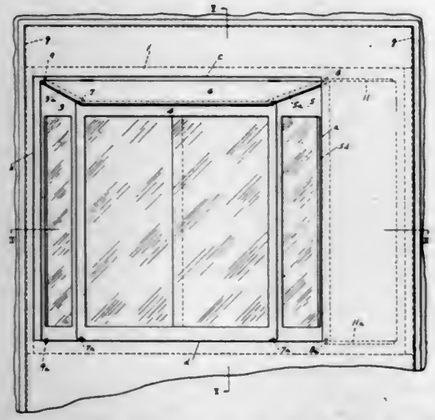
a different frequency than said openings, and means to move said members relative to each other to traverse said segments behind said openings whereby to produce the illusion of a series of dark and light regions traversing said path at a speed greater than the relative speed of said members, each of said regions embracing a plurality of said openings.

2,137,290

FOLDING WINDOW

Harry G. Huckstep and La Rone T. Huckstep, Pendleton, Oreg.

Application January 10, 1938, Serial No. 184,177
2 Claims. (Cl. 20—40)



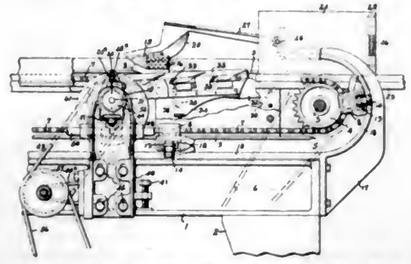
1. The combination with a main window frame vertically movable into and out of registry with a window opening, of a three section framed window pivotally mounted in the main frame at one end, slidably mounted at the other end with the center section pivotally joined to the end sections in such manner that the sections may optionally lie in the same plane as the main frame or be debouched to form a bay window outside of the opening, and a bottom leaf that is hingedly attached adjacent the window opening to be movable into the angular space delimited by the sections and rigidly hold them in place.

2,137,291

MEANS AND METHOD FOR PREPARING FISH FOR FILLETING

William H. Hunt, National City, Calif., assignor to Fish Machinery Corporation, San Diego, Calif., a corporation of California

Application January 2, 1936, Serial No. 57,179
29 Claims. (Cl. 17—3)



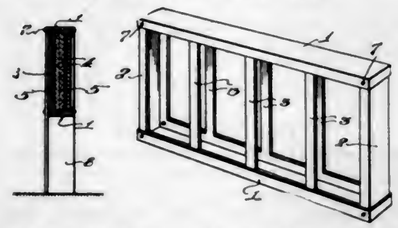
1. A method of removing the dorsal fins and knuckles of the fish which comprises advancing the fish in the direction of its length, making a pair of incisions in converging relation along the back of the fish on opposite sides of the vertical central axis of the fish, and stripping the band of flesh thus formed from the body of the fish with the dorsal fins attached thereto.

2,137,292

LUMINOUS SIGN

Ruth Jackson, Dallas, Tex.

Application August 27, 1937, Serial No. 161,250
2 Claims. (Cl. 40—140)



1. As a new article of manufacture, a house number-sign comprising a frame composed of parallel channeled end pieces and analogously formed top and bottom members dividing strips extending from one of said members to the other, reflectors having pebbled and mirrored surfaces disposed in said frame, stenciled plates arranged on said reflectors and between said dividing strips, a support for said frame and means for anchoring said support in the earth.

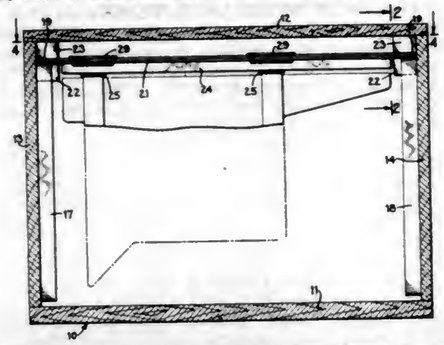
2,137,293

TYPEWRITER BOX

Edward T. Johnson, Greenfield, Mass., assignor to The New England Box Company, Greenfield, Mass., a corporation of Massachusetts

Application September 10, 1935, Serial No. 39,891
6 Claims. (Cl. 217—52)

1. A shipping package of the class described, comprising a relatively strong and rigid container, a flexible support in sheet form spaced from the top and bottom of said container, said support having its ends resting on supports fixed to the inside walls of the container, and a cover for



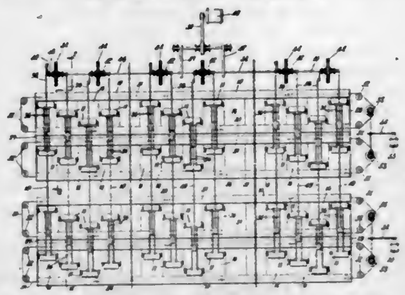
said container constructed and arranged to hold said support removably in place.

2,137,294

MANUFACTURE OF CHOCOLATE

Wallace T. Jones and Leonard Dotzer, Brooklyn, N. Y., assignors to Rockwood & Co., Brooklyn, N. Y., a corporation of Delaware

Application January 19, 1934, Serial No. 707,312
12 Claims. (Cl. 83—45)



1. In apparatus of the character described, for triturating chocolate paste, a long, narrow trough, a plurality of rollers adapted to rest on the bottom of the trough in end-to-end relation, means to reciprocate the rollers crosswise of the trough, means to admit a stream of paste to one end of the trough, and means to permit continuous outlet of triturated paste at the other end.

5. Process of conching chocolate paste which comprises continuously feeding the same into one end of a trough, moving a roller across the bottom of the trough during the feeding, and discharging the product from a portion of the trough remote from said end by fluid head of paste while conching of other portions of the paste is continuing.

2,137,295

NITROGENOUS CONDENSATION PRODUCTS AND PROCESS OF PRODUCING SAME

Karl Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application May 5, 1936, Serial No. 77,993. In Germany May 9, 1935
4 Claims. (Cl. 260—558)

1. A process of producing nitrogenous condensation products which comprises heating an amino substitution product of a polynuclear compound of the anthraquinone series with a carboxylic acid amide in the presence of an acid condensing agent.

2,137,296

WELL FLUID SAMPLER

George A. Macready, Los Angeles, Calif.

Application September 14, 1936, Serial No. 100,663
10 Claims. (Cl. 166—1)



1. A well fluid sampler consisting of a sample tube, sealing means thereon adjacent the lower end of said tube for forming a seal between said tube and the wall of a well to exclude fluid in the well above the seal from entering the interior of the tube, a roller bearing swivel between said tube and said sealing means providing for rotation of the tube while the well is sealed, emergency circulation ports consisting of outwardly opening check valves with passages discharging between the rollers of the swivel, openings for admitting fluid from formation below the seal into the interior of said tube, a solid mud displacer member of non-metallic material having longitudinal channels on the external surface thereof releasably and rotatably attached to said tube below said seal and of sufficient volume to displace most of the drilling fluid from the well bore below the level of the seal, a first valve in said tube above said sealing means provided with a lock to close said pipe against entrance of fluid and adapted to be unlocked by dropping a first weight thereon to open said valve to admit a sample of fluid into said tube, a second valve positioned in said tube above said first valve and provided with a lock holding it in open position and adapted to be unlocked by dropping a second weight thereon to permit said second valve to close and exclude entry of additional fluid into said tube, the bore of said second valve being great enough to permit passage of the first weight, a third valve adapted to be dropped into said pipe to seat on a constricted member in the tube above the first and second valves, clamps adjacent the upper end of said tube for suspending the first and second weights releasably so that each may be dropped by releasing the clamp, and outlets for discharge of a fluid sample from the upper end of said tube.

2,137,297

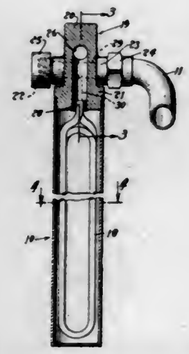
BEER COIL APPARATUS

Willi F. Mayer, Chicago, Ill.

Application October 15, 1937, Serial No. 169,240
2 Claims. (Cl. 285—208)

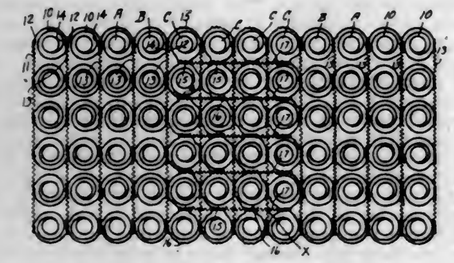
1. A device for interconnecting two cooling coils together, said device including a body having a passage formed therein and extending therethrough, the said passage being adapted to have one end of one of the said coils connected thereto and the other end portion of the said passage

being adapted to have a closure member removably attached thereto, so as normally to close the same, said device also having a second passage formed therein, one end portion of the said second-named passage being adapted to be connected to a fluid dispensing outlet or spigot, and the other end portion of the said second-named passage being adapted to be connected to one end



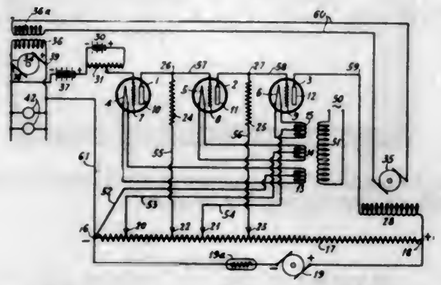
of the other one of the said coils, the said device likewise having a branch passage formed therein, the said branch passage having communication at one end with the said first-named passage, between the ends of the latter, and being adapted to have the other end of the said second-named or other one of said coils connected to its other end.

2,137,298
PROPORTIONAL RESISTANCE SPRING STRUCTURE
Charles F. McCoy, Pennington, N. J., assignor to Trenton Spring Products Company, Trenton, N. J., a corporation
Application October 8, 1937, Serial No. 167,951
2 Claims. (Cl. 5—269)



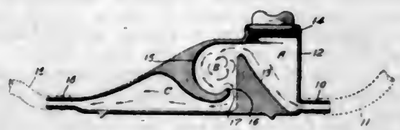
1. A unitary spring structure including a plurality of similar coils arranged in successive rows with a plurality of coils in each row, a plurality of helices parallel with one another and disposed between the coils of each row, said helices connecting the end coils of each adjacent row, and a second plurality of helices disposed parallel with one another and all at an angle to the first plurality of helices, said second plurality of helices disposed between and connected with the end coils of a group of adjacent coil rows as well as with the helices of the first plurality, whereby the coils in the zone of said spring structure included in said second plurality of helices are stabilized in more than one direction.

2,137,299
ELECTRON DISCHARGE TUBE SYSTEM
Nicolai Minorsky, Paris, France, assignor to Radio Corporation of America, a corporation of Delaware
Original application June 25, 1926, Serial No. 118,508. Divided and this application March 3, 1936, Serial No. 66,810
9 Claims. (Cl. 171—119)



1. In a potential regulator for a generator having a field including an electron discharge tube system including a plurality of such tubes connected in cascade, means for establishing two separated points of equilibrium for said system corresponding to input potential variations thereon, means to apply an input potential upon said system to cause said system to operate at one of said points of equilibrium, means responsive to potential changes at said generator to modify said input potential whereby to cause said system to operate at said other point of equilibrium, and means controlled by the currents delivered by said system under said alternative conditions to vary the excitation of the field winding.

2,137,300
CLEANING DEVICE
John E. Allen, Miami, Fla.
Application December 2, 1937, Serial No. 177,817
2 Claims. (Cl. 225—12)

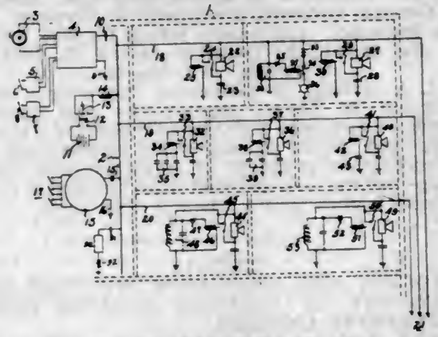


1. A device of the character described comprising an inlet for flushing liquid, a cleaning agent receiving chamber, taking the liquid from the inlet, means at the top of the said chamber through which a cleaning agent may be introduced, a turbulence producing mixing chamber beyond the first chamber having a liquid receiving wall curved downwardly, forwardly and then upwardly, whereby liquid impinging on said wall will assume a rolling motion, thus tending to return to the top of and remain in said chamber, thus insuring thorough mixing of the flushing liquid and cleaning agent, and a discharge outlet for the mixed liquid and agent, said first chamber being provided with a rear wall sloping upwardly from bottom to top, whereby solid cleaning material deposited therein will be completely swept out of the chamber by the incoming flushing liquid.

2,137,301
CELLULOSIC STRUCTURE
Thomas F. Banigan, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 13, 1936, Serial No. 95,854
4 Claims. (Cl. 106—40)

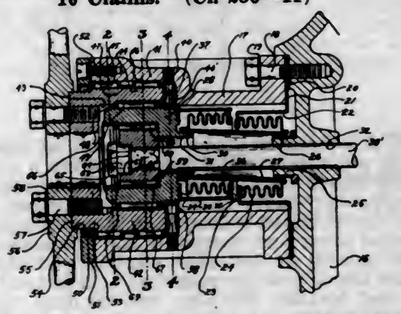
1. As a new article of manufacture, a shrinkable film or pellicle composed of a non-fibrous, cellulosic material and finely divided natural, flake graphite having an average particle size between 15 and 150 microns in diameter.

2,137,302
SIGNALING SYSTEM
Semi Joseph Begun, New York, Irving Fowler Durst, Great Neck, and Herbert Barnett, New York, N. Y., assignors, by mesne assignments, to Carli Tucker, New York, N. Y.
Application April 29, 1936, Serial No. 76,958
16 Claims. (Cl. 179—1)



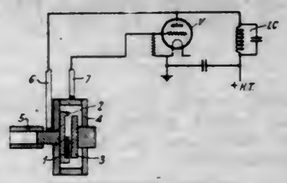
1. In a signaling system the combination comprising a grounded conductive network having inherent distributed impedance, a grounded source of signal energy connected to said network, a plurality of grounded signal responsive devices connectable to said network, electrically operated means for cutting said devices from operative connection with said network, and grounded means connected to said network for impressing selective control currents on the network to effect selective operation of said electrically operated means.

2,137,303
SEAL
Owen F. Nelson, Detroit, Mich.
Application April 6, 1936, Serial No. 72,888
10 Claims. (Cl. 286—11)



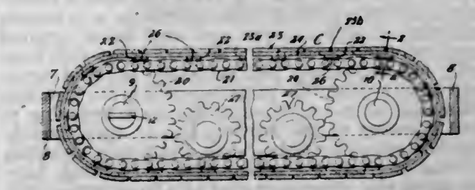
7. In a seal of the class described, a stationary member; a shaft rotatably projected through said member; a driving element adapted for movement in an orbit, and adapted upon movement in said orbit for effecting a rotation of said shaft; means for moving said driving element in said orbit; a flexible sealing member surrounding a portion of said shaft and connected at one end in sealing relation to said element; a floating body surrounding a portion of said shaft and connected at one end in sealing relation to the opposite end of said sealing member; and flexible means for connecting the opposite end of said floating body in sealing relation to said stationary member, said sealing member and said flexible means, each overlying a portion of said floating body.

2,137,304
PIEZOELECTRIC CRYSTAL HOLDER
Thomas Dixon Parkin, Broomfield, near Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application June 19, 1936, Serial No. 86,026
In Great Britain July 5, 1935
9 Claims. (Cl. 171—327)



1. In combination, a piezo-electric crystal, a crystal holder having oppositely facing electrodes between which said crystal is supported, the face planes of said electrodes being non-parallel to one another, and rotatable means for continuously varying the effective separation between said crystal and at least one of said electrodes.

2,137,305
GRINDING EQUIPMENT
Henry J. Perazzoli, Philadelphia, Pa.
Application October 1, 1935, Serial No. 43,011
2 Claims. (Cl. 51—136)

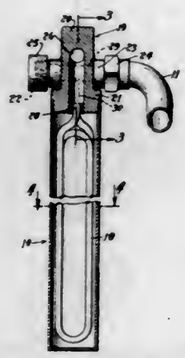


1. Grinding equipment of the character described including a pair of rotative members at least one of which is toothed, a flexible chain surrounding said members and adapted to be driven by the toothed member, spaced support devices carried by said chain, and a flexible endless grinding belt carried by said support devices.

2,137,306
CUTTING OR GRINDING EQUIPMENT
Henry J. Perazzoli, Philadelphia, Pa.
Application March 6, 1936, Serial No. 67,431
3 Claims. (Cl. 51—241)

1. A rail cross cutter including a frame, means for securing the frame to the rail to be cut, a cutting wheel mounted on said frame to rotate in a plane transverse to the axis of the rail, means

being adapted to have a closure member removably attached thereto, so as normally to close the same, said device also having a second passage formed therein, one end portion of the said second-named passage being adapted to be connected to a fluid dispensing outlet or spigot, and the other end portion of the said second-named passage being adapted to be connected to one end



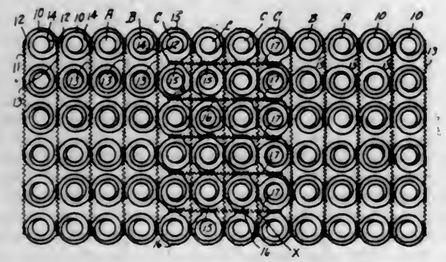
of the other one of the said coils, the said device likewise having a branch passage formed therein, the said branch passage having communication at one end with the said first-named passage, between the ends of the latter, and being adapted to have the other end of the said second-named or other one of said coils connected to its other end.

2,137,298

PROPORTIONAL RESISTANCE SPRING STRUCTURE

Charles F. McCoy, Pennington, N. J., assignor to Trenton Spring Products Company, Trenton, N. J., a corporation

Application October 8, 1937, Serial No. 167,951
2 Claims. (Cl. 5—269)



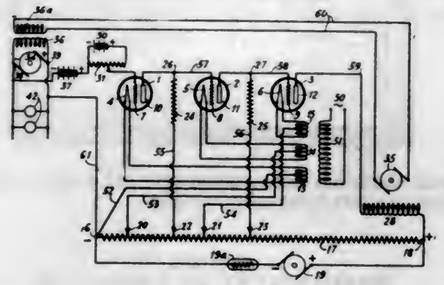
1. A unitary spring structure including a plurality of similar coils arranged in successive rows with a plurality of coils in each row, a plurality of helices parallel with one another and disposed between the coils of each row, said helices connecting the end coils of each adjacent row, and a second plurality of helices disposed parallel with one another and all at an angle to the first plurality of helices, said second plurality of helices disposed between and connected with the end coils of a group of adjacent coil rows as well as with the helices of the first plurality, whereby the coils in the zone of said spring structure included in said second plurality of helices are stabilized in more than one direction.

2,137,299

ELECTRON DISCHARGE TUBE SYSTEM

Nicolai Minorsky, Paris, France, assignor to Radio Corporation of America, a corporation of Delaware

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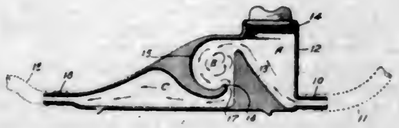
1. In a potential regulator for a generator having a field including an electron discharge tube system including a plurality of such tubes connected in cascade, means for establishing two separated points of equilibrium for said system corresponding to input potential variations thereon, means to apply an input potential upon said system to cause said system to operate at one of said points of equilibrium, means responsive to potential changes at said generator to modify said input potential whereby to cause said system to operate at said other point of equilibrium, and means controlled by the currents delivered by said system under said alternative conditions to vary the excitation of the field winding.

2,137,300

CLEANING DEVICE

John E. Allen, Miami, Fla.

Application December 2, 1937, Serial No. 177,817
2 Claims. (Cl. 225—12)



1. A device of the character described comprising an inlet for flushing liquid, a cleaning agent receiving chamber, taking the liquid from the inlet, means at the top of the said chamber through which a cleaning agent may be introduced, a turbulence producing mixing chamber beyond the first chamber having a liquid receiving wall curved downwardly, forwardly and then upwardly, whereby liquid impinging on said wall will assume a rolling motion, thus tending to return to the top of and remain in said chamber, thus insuring thorough mixing of the flushing liquid and cleaning agent, and a discharge outlet for the mixed liquid and agent, said first chamber being provided with a rear wall sloping upwardly from bottom to top, whereby solid cleaning material deposited therein will be completely swept out of the chamber by the incoming flushing liquid.

2,137,301

CELLULOSIC STRUCTURE

Thomas F. Banigan, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 13, 1936, Serial No. 95,854
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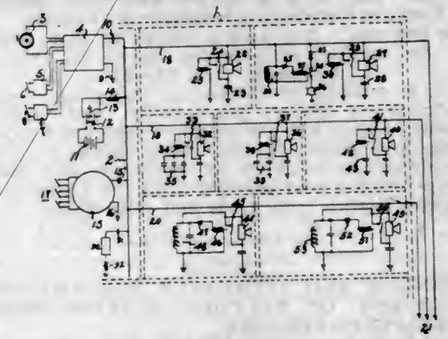
1. As a new article of manufacture, a shrinkable film or pellicle composed of a non-fibrous, cellulosic material and finely divided natural, flake graphite having an average particle size between 15 and 150 microns in diameter.

2,137,302

SIGNALING SYSTEM

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Application April 29, 1936, Serial No. 76,958
16 Claims. (Cl. 179—1)



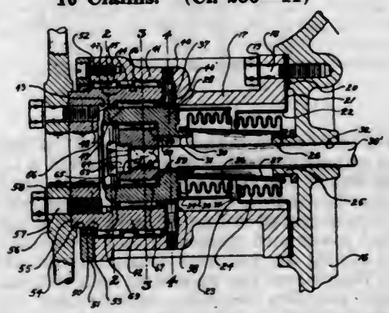
1. In a signaling system the combination comprising a grounded conductive network having inherent distributed impedance, a grounded source of signal energy connected to said network, a plurality of grounded signal responsive devices connectable to said network, electrically operated means for cutting said devices from operative connection with said network, and grounded means connected to said network for impressing selective control currents on the network to effect selective operation of said electrically operated means.

2,137,303

SEAL

Owen F. Nelson, Detroit, Mich.

Application April 6, 1936, Serial No. 72,888
10 Claims. (Cl. 286—11)



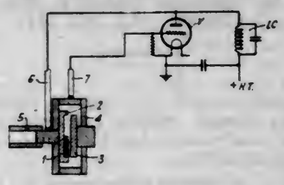
7. In a seal of the class described, a stationary member; a shaft rotatably projected through said member; a driving element adapted for movement in an orbit, and adapted upon movement in said orbit for effecting a rotation of said shaft; means for moving said driving element in said orbit; a flexible sealing member surrounding a portion of said shaft and connected at one end in sealing relation to said element; a floating body surrounding a portion of said shaft and connected at one end in sealing relation to the opposite end of said sealing member; and flexible means for connecting the opposite end of said floating body in sealing relation to said stationary member, said sealing member and said flexible means, each overlying a portion of said floating body.

2,137,304

PIEZOELECTRIC CRYSTAL HOLDER

Thomas Dixon Parkin, Broomfield, near Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware

Application June 19, 1936, Serial No. 86,026
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9 Claims. (Cl. 171—327)



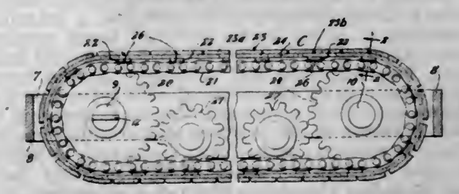
1. In combination, a piezo-electric crystal, a crystal holder having oppositely facing electrodes between which said crystal is supported, the face planes of said electrodes being non-parallel to one another, and rotatable means for continuously varying the effective separation between said crystal and at least one of said electrodes.

2,137,305

GRINDING EQUIPMENT

Henry J. Perazzoli, Philadelphia, Pa.

Application October 1, 1935, Serial No. 43,011
2 Claims. (Cl. 51—136)



1. Grinding equipment of the character described including a pair of rotative members at least one of which is toothed, a flexible chain surrounding said members and adapted to be driven by the toothed member, spaced support devices carried by said chain, and a flexible endless grinding belt carried by said support devices.

2,137,306

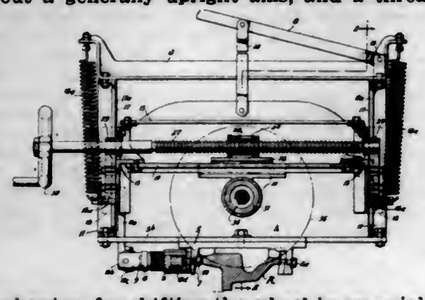
CUTTING OR GRINDING EQUIPMENT

Henry J. Perazzoli, Philadelphia, Pa.

Application March 6, 1936, Serial No. 67,431
3 Claims. (Cl. 51—241)

1. A rail cross cutter including a frame, means for securing the frame to the rail to be cut, a cutting wheel mounted on said frame to rotate in a plane transverse to the axis of the rail, means

for adjusting the plane of rotation of the wheel about a generally upright axis, and a threaded



mechanism for shifting the wheel in an axial direction with respect to the frame.

2,137,307

SOUND RECORD FOR TALKING MACHINES

Willy Rabald, Leipzig, Germany
Application March 3, 1934, Serial No. 713,834
In Germany March 3, 1933
2 Claims. (Cl. 274—41)



1. A sound record, for use in recording and reproducing sound, which presents a material comprising cadmium as a sound recording-reproducing medium.

2,137,308

COVERING MATERIAL

Chester E. Rahr, New York, N. Y., assignor to Certain-Teed Products Corporation, New York, N. Y., a corporation of Maryland
Application April 15, 1935, Serial No. 16,289
10 Claims. (Cl. 91—68)



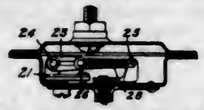
1. Process of producing a covering material which comprises applying to a base material an adhesive coating, said coating being applied upon a portion of the surface of said base with a thickness sufficient to bind upon said base a granular material of given grain size and being applied upon another portion of the surface of said base with less thickness but sufficient to bind upon said base a granular material of a grain size less than that bound upon said first area, applying to said portions of the surface the granular material of respective grain size, and again applying to said portions of said surface a coating having upon the respective portions thicknesses corresponding to those of the first coating, whereby the thickness of the thick part of the covering becomes accentuated relative to the thin part of the cover.

2,137,309

METHOD OF MAKING BIMETALLIC ELEMENTS

Theodore J. Smulski, Gary, Ind., assignor to The Anderson Company, Gary, Ind., a corporation of Indiana
Original application December 14, 1933, Serial No. 702,341, now Patent No. 2,088,819. Divided and this application July 2, 1937, Serial No. 151,751
7 Claims. (Cl. 29—155.5)

1. The method of producing an ambient temperature compensated bi-metallic element of the type comprising a pair of bendable longitudinally aligned elements joined by an end of each, which includes stamping sheets of bi-metal in quantities from a blank comprising two longitudinally elongated elements joined at one end by a severable connecting neck of relatively small cross section, subsequently severing the neck, reversing one of the elements to reverse its direction of thermal bending, and then joining together the two elements at one end of each element.



2,137,310

PLIABLE AND SOFT PAPER AND MANUFACTURE THEREOF

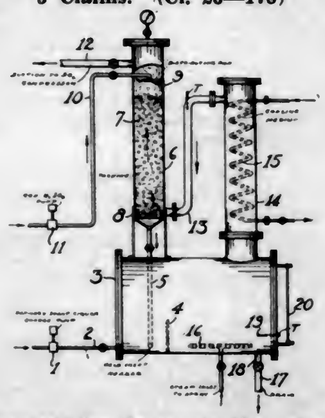
Fritz Sommer, Berlin-Charlottenburg, Germany, assignor to the firm: Chemische Fabrik Grunau, Landshoff & Meyer Akt. Ges., Berlin-Grunau, Germany, a company of Germany
No Drawing. Application March 18, 1936, Serial No. 69,531. In Germany March 27, 1935
8 Claims. (Cl. 92—21)

1. A method of increasing the pliancy and softness of paper, paper-cloths and paper-tissues, comprising the steps of preparing a paper pulp and adding thereto water soluble salts of condensation products of lysalbinic acid with soap-forming acid selected from the group containing higher fatty acids and resin acids.

2,137,311

PROCESS AND APPARATUS FOR THE RECOVERY OF SULPHUR DIOXIDE FROM SULPHITE LIQUORS

Karl L. Springer, Goose Creek, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application March 26, 1936, Serial No. 71,057
3 Claims. (Cl. 23—178)



1. A process for the production of substantially anhydrous sulphur dioxide from a sulphite waste liquor and sulphuric acid which comprises feeding said liquor to a reaction chamber, feeding concentrated sulphuric acid to the top of a packed tower and thence to said reaction chamber, causing an intimate admixture of the sulphite liquor and the sulphuric acid to take place in said reaction chamber, maintaining said reaction chamber at a temperature suitable for the reaction between concentrated sulphuric acid and a sulphite for the production of sulphur dioxide, whereby sulphur dioxide is evolved, passing the liquid reaction mixture into a separate stripping zone, passing a stripping gas through said reaction mixture in said stripping zone to strip the sulphur dioxide therefrom and passing the sulphur dioxide so recovered through said packed tower in countercurrent to the initial sulphuric acid.

2,137,312

STADIUM SEAT

Leonard J. Thompson, Wichita, Kans.
Application April 29, 1938, Serial No. 204,983
2 Claims. (Cl. 155—133)

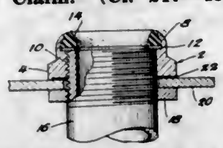


1. In a seat of the kind described, a frame made up of a rod-like element bent to form an upright yoke-like frame back and horizontal base portions, the latter terminating in downwardly and backwardly turned hooks, in combination with a hood slipped over the yoke of said frame, and a seat cushion associated with the base and back portions of said frame, and which cushion is provided with a loop-forming strap slipped over the back-forming portion of said frame.

2,137,313

INSULATED BUSHING

Roman J. Tingle, William W. Barcy, and John E. Fuchs, Detroit, Mich.
Original application April 3, 1936, Serial No. 72,474. Divided and this application November 2, 1936, Serial No. 108,710
1 Claim. (Cl. 247—43)



An insulated bushing comprising, a short cylindrical body having a plurality of different bores forming a shoulder therebetween, a ring disposed on said shoulder and extending inwardly, an insulating member fitting within one bore and seating on the smaller bore, the outer end of the larger bore being bent inwardly over the insulating member to clamp the member in place.

2,137,314

PROCESS OF PRODUCING QUATERNARY AMMONIUM COMPOUNDS

Heinrich Ulrich and Ernst Ploetz, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application May 7, 1936, Serial No. 78,410. In Germany May 22, 1935
13 Claims. (Cl. 260—584)

1. The process of producing quaternary ammonium compounds which comprises causing an alkylene oxide to react in a closed vessel with a salt of a nitrogenous base said base being selected from the group consisting of ammonia and amines and said alkylene oxide being employed in an amount about equal to that theoretically required for the production of an alkylol quaternary ammonium compound from the base employed.

11. The tetraethanolammonium salt of the acid octodecyl sulphuric ester.

2,137,315

EXPANSIBLE CLAMP

Christian D. Ulrich, North Little Rock, Ark.
Application July 30, 1937, Serial No. 156,570
2 Claims. (Cl. 29—31)

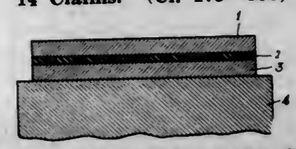


2. A device of the character described comprising a plurality of elongated telescoping members, clamping means carried by the outer portion of the inner telescoping member, tool elements having portions fitting about the outer telescoping member, said inner telescoping member having notches spaced from each other longitudinally thereof, and clamping screws threaded through the tool elements and a wall of said outer telescoping member with their inner ends removably engaged in selected notches of said inner telescoping member, said screws serving to removably secure the tool elements upon the outer telescoping member and releasably hold the inner telescoping member in an adjusted position.

2,137,316

ELECTRODE SYSTEM AND METHOD OF MAKING SAME

Willem Christian van Geel and Hendrik Emmens, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application February 6, 1936, Serial No. 62,639
In Germany February 6, 1935
14 Claims. (Cl. 175—366)



13. A dry rectifier cell comprising two outside layers formed of substances having different electron emissivities separated by a comparatively thin layer of insulating substance, one of said outside layers being composed of a metal having good electrical conducting characteristics, the other outside layer being composed essentially of metallic selenium mixed with an insulating metallic salt or oxide, said insulating layer being composed of a finely divided substance comprising at least one of a group of insulating substances including barium sulphate, calcium sulphate, quartz, barium tungstate, magnesia, alumina and crytolite.

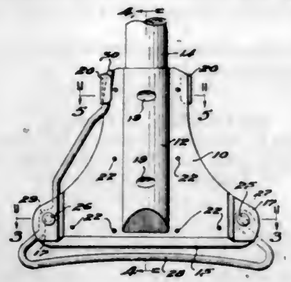
2,137,317

MOP HOLDER

William H. Welch, Muskegon, Mich., assignor to Geerpres Wringer, Inc., Muskegon, Mich., a corporation of Michigan
Application May 1, 1936, Serial No. 77,313
6 Claims. (Cl. 15—150)

1. A mop holder comprising a pair of like

stampings mating in their body portions and secured together, said stampings being preformed to provide therebetween a socket for receiving a handle, portions of the marginal edges of said stampings being spaced to provide recesses, a



pin interconnecting said stampings in each of said recesses, a mop retaining element having one end anchored on one of said pins and a portion engaging the other of said pins and means for anchoring the opposite end of said mop retaining element to one of said stampings.

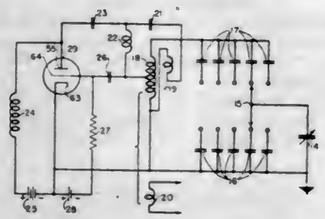
2,137,318

MULTIBAND TUNABLE SYSTEM

Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Original application May 28, 1931, Serial No. 540,581, now Patent No. 2,022,067, dated November 26, 1935. Divided and this application October 19, 1935, Serial No. 45,724

10 Claims. (Cl. 250—40)



10. A multi-band tunable system comprising, in combination, inductance means, variable capacitance tuning means connected in circuit with said inductance means to form a circuit tunable over a given frequency band, auxiliary capacitance means, and switching means for including at least a portion of said auxiliary capacitance means in series with said variable capacitance means and in circuit with at least a portion of said first means to form a circuit tunable over a frequency band higher than said given band and to modify the effectiveness of said variable capacitance means in tuning said latter circuit, said auxiliary capacitance means being so proportioned, relative to the first two means and their circuit relation, that a given change in the resonant frequency of said system when operating in said higher band is effected by a displacement of said tuning condenser having a magnitude in a ratio to the magnitude of the displacement required to produce the same change in the resonant frequency when operating in said given band, which is substantially greater than the ratio of the mean frequency of said given band to the mean frequency of said higher band.

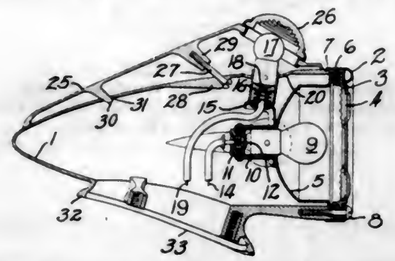
2,137,319

SIGNALING LAMP

Wagn Trautner, Springdale, Ohio, and Herbert E. Metcalf, Walnut Creek, Calif., assignors to E. H. Kueffer, Oakland, Calif.

Application March 26, 1938, Serial No. 198,254

3 Claims. (Cl. 177—329)



1. In a vehicle signaling system, a signaling lamp comprising a main lamp house, an indexing lens and mask for said main house, an auxiliary lamp house removably attached to a side wall of said main lamp house, one side of said auxiliary lamp house being open to fit said side wall of said main house and being held on said side wall by a single screw passing through a boss on the inner surface of said side wall, the axis of said screw, when projected, passing through the open end of said main lamp house when said lens and mask is removed.

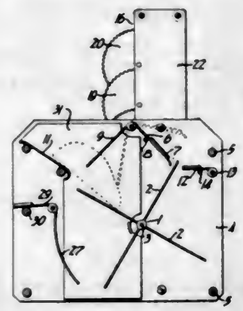
2,137,320

COUNTING DEVICE

John Albertoli, San Francisco, Calif.

Application June 1, 1936, Serial No. 82,791

5 Claims. (Cl. 235—98)



2. A counting device comprising a rotor provided with a plurality of blades arranged to successively receive objects fed thereto for counting and to be actuated by the weight of the objects for conveying said objects bodily to a point of delivery, a detent having a pair of diverging arms one of which normally blocks movement of the rotor and the other of which is arranged to be displaced by an object as it is fed onto the rotor for moving the first arm to release the rotor, said second arm being moved into the path of a rotor blade next approaching its object receiving position in such manner that said approaching blade cannot be moved to said object receiving position until the detent arms have been returned to their respective normal positions, and counting means actuated by the rotor for indicating the number of objects fed onto the rotor.

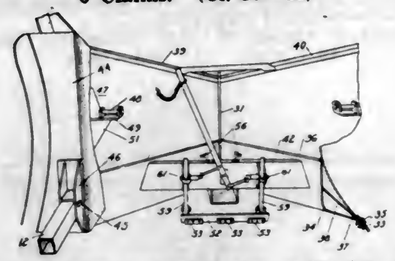
2,137,321

SNOW MOVING DEVICE

Ellsworth W. Austin, Cedar Rapids, Iowa, assignor to La Plant Choate Manufacturing Company, Inc., Cedar Rapids, Iowa, a corporation of Delaware

Original application January 2, 1936, Serial No. 57,091, now Patent No. 2,101,666, dated December 7, 1937. Divided and this application November 13, 1936, Serial No. 110,619

6 Claims. (Cl. 37—44)



1. In a snow moving device, a tractor, a V-plow mounted at the front of the tractor and reinforcing members for the V-plow including angle plates having the lower forward edges secured to the rear faces of the bottom edges of the plow members and having the upper edges thereof secured to the rear faces of the plow members, and reinforcing blades extending from the cutting edges of the plow blades to the rear walls of the corresponding angle plates and within the spaces formed between said angle plates and the rear surfaces of said plow blades.

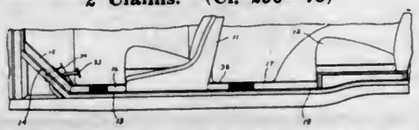
2,137,322

THERMAL INSULATING STRUCTURE FOR VEHICLE FLOORS

Carl Douglass Wallach, Newburgh, N. Y., assignor to Richard Laurence Parish, New York, N. Y.

Application April 10, 1935, Serial No. 15,577

2 Claims. (Cl. 296—75)



1. A detachable substantially hollow boxing for insulating the floor of a vehicle which includes an outer substantially rigid metallic shell having a closed top and an open bottom adapted to be closed by the floor on which the shell is adapted to be placed, and an insulating sheet mounted in said shell in spaced and substantially parallel relation with respect to the top of said shell and the floor, and forming with said shell, such other, and said floor, isolated air spaces, said sheet being formed of a comparatively thin sheet of heat reflecting insulating material of sufficient thickness and stiffness to retain preformed shape, and forming with said shell and said floor insulated air spaces.

2,137,323

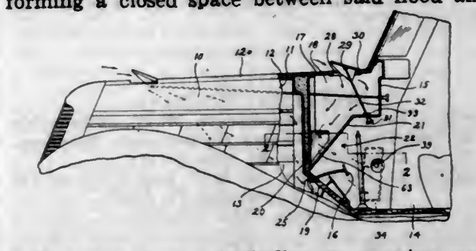
THERMAL INSULATION AND VENTILATING STRUCTURE FOR MOTOR VEHICLES

Carl D. Wallach, Newburgh, N. Y., assignor to Richard Laurence Parish, New York, N. Y.

Application May 18, 1935, Serial No. 22,242

5 Claims. (Cl. 180—90)

1. Thermal insulation structure for a motor vehicle having a hood portion defining a space adapted to receive a heat-generating motor and a body portion defining a space adapted to receive the vehicle occupants, comprising means forming a closed space between said hood and



body spaces, means including an opening connecting the top of said closed space to the outside of the vehicle, means including a common opening connecting both said closed and said body space to the outside of the vehicle, and covers operable to open and close said openings.

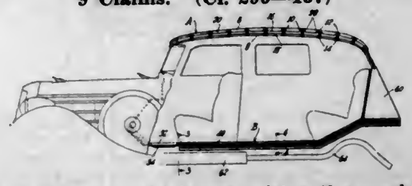
2,137,324

AUTOMOBILE INSULATION

Carl D. Wallach, Newburgh, N. Y., assignor to American Flange & Manufacturing Co., Inc., New York, N. Y., a corporation of Illinois

Application February 12, 1937, Serial No. 125,356

9 Claims. (Cl. 296—137)



1. A pleasure vehicle comprising the combination with a body, of a top structure therefor comprising spacing members extending transversely of the top, spaced top-forming members providing a substantially planar and closed air space, means mounted in the space dividing the latter into a plurality of horizontal, superimposed, substantially planar air spaces substantially parallel with each other, the said means comprising spaced superposed metallic layers comprising a steel base having a non-rustable surface presenting high reflective characteristics when exposed to infra-red radiation, upstanding spacing members in the upper layer for spacing the layer from the top-forming members, the lower layer being substantially plane over its entire surface, and means for securing the said lower layer in spaced relation relative to the upper layer and to the top-forming members.

2,137,325

WIRE TYING TOOL

Fred I. Anderson, San Antonio, Tex., assignor to American Telephone and Telegraph Company, a corporation of New York

Application October 2, 1937, Serial No. 167,069

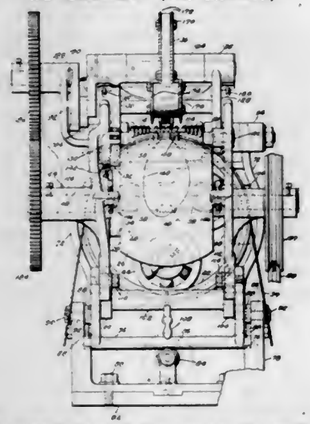
7 Claims. (Cl. 117—37)



1. Means for wrapping flat tie wire about a line conductor to secure it to an insulator comprising a hand tool provided at one end with a

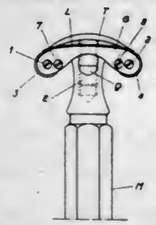
lip having a rolling edge and at the other end with a portion for rotatably engaging the line conductor, said rolling edge so engaging the flat tie wire that as the tool is rotated the flat tie wire is wound in uniform spiral layers about the line conductor.

2,137,326
SPLITTING MACHINE
Lewis J. Bazzoni, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 30, 1935, Serial No. 56,738
Renewed September 10, 1937
24 Claims. (Cl. 12—17)



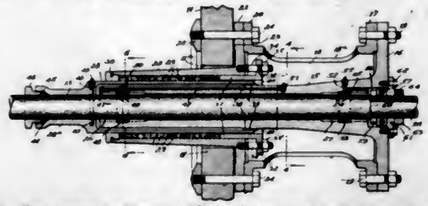
1. In a machine of the class described, splitting and reducing means, means for effecting relative displacement of the central portion of the forepart of a sole blank on the one hand and the marginal portion of the forepart of the sole blank on the other hand, and mechanism for feeding the distorted sole blank past said first-named means to split from the sole blank a skeleton insole and outsole, the combined thicknesses of the marginal portions of said insole and outsole being less than the thickness of the sole blank.

2,137,327
SAFETY RAZOR
Vital Antoine Bertry, Paris, France
Application September 29, 1936, Serial No. 103,165
In France October 7, 1935
7 Claims. (Cl. 30—46)



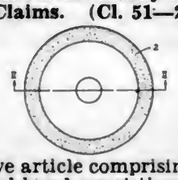
1. In a razor, a mounting made of a head element and a guard element between which a blade is removably clamped in cutting position, a handle rigidly attachable to the mounting, actuating rollers slidably and revolubly carried on axes on an element of the mounting and adapted to contact the user's skin during the shaving operation and to be rotated by the impulse given to the razor by the user, and co-operating transmission means on the rollers and on said mounting element whereby a reciprocating motion is imparted to the entire mounting, handle and blade transversely of the direction of said impulse responsive to the rotation of the rollers.

2,137,328
MATERIAL AGITATING MEANS
Everett S. Bissell, Irondequoit, N. Y., assignor to Mixing Equipment Co., Inc., Rochester, N. Y., a corporation of New York
Application August 18, 1937, Serial No. 159,750
10 Claims. (Cl. 308—36.1)



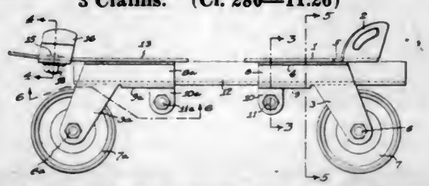
1. In apparatus of the class described, a shaft for extension inwardly through a wall of a fluid holding receptacle, a sleeve having a fluid tight connection with said shaft and extending outwardly in spaced relation thereto, a stuffing box between said sleeve and said receptacle with its packing accessible from the exterior of said wall, and bearing means for said shaft extending into said sleeve and protected thereby from fluid leakage past said packing.

2,137,329
ABRASIVE ARTICLE AND ITS MANUFACTURE
John A. Boyer, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application July 6, 1937, Serial No. 152,040
In Great Britain May 11, 1937
3 Claims. (Cl. 51—280)



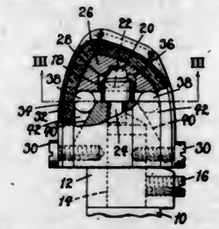
1. An abrasive article comprising diamonds and a sintered metal bond consisting principally of a ductile copper base solid solution containing between 5 and 15 per cent tin.

2,137,330
ROLLER SKATE
Frank W. Brazel, Detroit, Mich.
Application May 7, 1936, Serial No. 78,359
3 Claims. (Cl. 280—11.26)



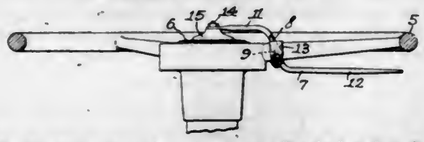
1. A roller skate comprising a rigid body, a plate, a pair of arms depending from said plate and supporting a roller, said arms being spaced apart to engage opposite sides of said rigid body which extends therebetween, said arms having inwardly directed flanges integral therewith and engaging the underside of said rigid body, and means carried by said flanges for clamping said arms against said rigid body.

2,137,331
SHOE REST
Philip E. Burby, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application March 3, 1937, Serial No. 128,844
8 Claims. (Cl. 12—123)



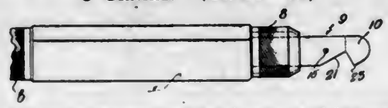
1. In a machine for operating on shoes, a shoe rest comprising a member arranged to press on the top of the forepart of a shoe, means providing a universal bearing on which said member is loosely mounted to permit it to tip in any direction and thereby adjust itself to the shoe, a support for said bearing means relatively to which said member is thus movable, and a flexible cover extending over said member and fastened to opposite sides of said support to hold the member at all times in place on its bearing and to prevent uncontrolled tipping movement thereof.

2,137,332
STEERING WHEEL ATTACHMENT
Warren Champion, Pekin, Ill.
Application June 9, 1937, Serial No. 147,366
1 Claim. (Cl. 74—484)



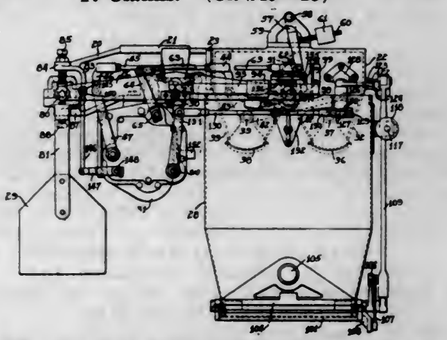
An attachment for steering wheels having horn buttons, comprising a lever having an offset portion intermediate the ends thereof, and having an opening, a clamp adapted to be clamped around a spoke of a steering wheel, a pin extending from the clamp and positioned in the opening of the lever, pivotally mounting the lever on the steering wheel, one end of the lever being secured to the horn button, the opposite end of the lever lying directly under the rim of the steering wheel to be engaged by the fingers of the hand gripping the wheel, for operating the lever.

2,137,333
LINING IMPLEMENT
George H. Colburn, Waltham, Mass.
Application November 3, 1936, Serial No. 109,005
3 Claims. (Cl. 33—32)



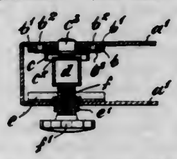
1. A cutter for lining a photographic negative or the like, comprising an elongate handle, a holder at the end of the handle, a cutting tool removably mounted in said holder, said tool comprising a sheet metal blade having a substantially uniform thickness so that its opposite faces are parallel, the blade having an arcuate end surface and an adjoining edge surface constituting a work-engaging surface, the blade having a second edge surface extending at an angle of the order of 90° to said work-engaging surface and meeting the same at an intersection line to afford a cutting edge, said line extending across substantially the entire width of the blade, said work-engaging surface extending at an angle of the order of 30° to the direction of extent of said handle, whereby the tool may be drawn by said handle over a coated negative with the work-engaging surface engaging the face of the negative and said second surface substantially perpendicular thereto.

2,137,334
METHOD OF AND APPARATUS FOR WEIGHING OUT CHARGES
Neill E. Dorrington, Oswego, N. Y., assignor to St. Regis Paper Company, New York, N. Y., a corporation of New York
Application January 18, 1934, Serial No. 707,087
17 Claims. (Cl. 249—15)



1. The method of segregating weighed charges of material which consists in forming a continuously flowing substantially uniform stream of the material and controlling the flow into a weighing receptacle to feed the main portion of a desired charge into the receptacle rapidly and then completing the exact amount of the desired charge slowly, discharging the weighed charge from the receptacle and repeating.

2,137,335
CHAIR, SEAT, AND THE LIKE
Archibald Horsfield Gabb, Bristol, England, assignor to The Tan-Sad Chair Company (1931) Limited, Birmingham, England, a British company
Application July 16, 1937, Serial No. 154,009
In Great Britain August 21, 1936
2 Claims. (Cl. 155—157)



1. Adjustment means for the back rest of a chair comprising in combination a supporting member having two spaced connecting limbs,

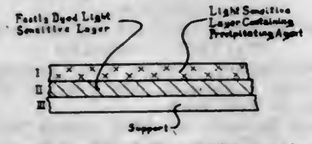
two sheet metal radially toothed elements of shallow dish formation each having a slotted edge wall, one of which elements is mounted on the inside of one limb and has its slotted portions engaging said limb, the other element being pivotally mounted on the first element in face to face contact therewith, a tubular supporting arm one side of which is engaged by the slotted portions of the second element and a screw pin carried by the second connecting limb and engaging the opposite side of the supporting arm.

2,137,336

METHOD OF PRODUCING COLORED COLLOID LAYERS FOR PHOTOGRAPHIC PURPOSES AND MATERIAL THEREFOR

Bela Gaspar, Brussels, Belgium

Application June 20, 1936, Serial No. 86,427
In Germany June 21, 1935
13 Claims. (Cl. 95—2)



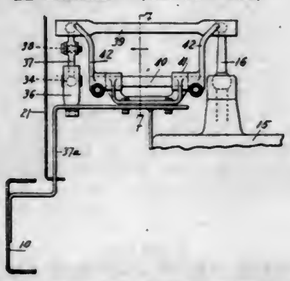
12. A multi-layer photographic material comprising a predyed silver halide layer sensitized to a predetermined spectral range and a substantially colorless silver halide layer sensitized to a different spectral range, said substantially colorless layer having incorporated therein a dyestuff precipitating agent selected from the group consisting of organic bases and salts of such bases which will not be adversely affected by ordinary photographic treating baths.

2,137,337

GEAR SHIFTING MECHANISM

George A. Gemmer, Richmond, Ind.

Application July 23, 1936, Serial No. 92,169
11 Claims. (Cl. 74—473)



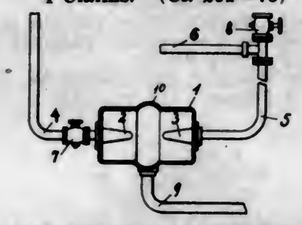
1. In combination with a transmission mechanism having a gear shifting member capable of fore and aft and transverse movements, a rod mounted for movement about a longitudinal axis and held against movement lengthwise of said axis, a link mounted on said rod for movement with relation thereto about a transverse axis only, a transverse rod pivotally connected with said link and said gear shifting member, a gear shifting lever supported by said rod and connected therewith for movement with relation thereto about a transverse axis only, and a second rod pivotally connected with said lever and said link, whereby fore and aft movement of said lever will move said transverse rod transversely to its length and the transverse movement of said lever will move said transverse rod in the direction of its length.

2,137,338

APPARATUS FOR PRODUCING FOAM FOR FIRE EXTINGUISHING PURPOSES

Walther Gosmann, Dortmund, Germany

Application September 9, 1935, Serial No. 39,820
In Germany March 28, 1934
4 Claims. (Cl. 261—78)



1. An apparatus for producing foam for fire extinguishing purposes comprising in combination a mixing chamber, at least one discharge pipe leading from said mixing chamber transversely to the vessel, conduits extending into said chamber in axial alignment, one of said conduits conducting foam producer and the opposite conduit conducting gas, the outlet ends of said conduits being situated between the ends and the centre of said chamber so that the jets projected from said conduits impact substantially at the centre of said chamber.

2,137,339

PROCESS OF MANUFACTURING RUBBER IMPREGNATED FABRIC AND THE PRODUCT THEREOF

Eugene C. Gwaltney, Macon, Ga., assignor to Bibb Manufacturing Company, Macon, Ga.

No Drawing. Application October 16, 1935, Serial No. 45,321
16 Claims. (Cl. 117—2)

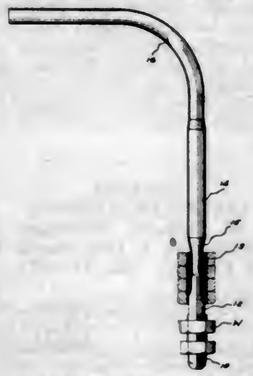
1. The process of manufacturing a heat-resistant cotton yarn or cord, which consists in saturating cotton yarns with latex, twisting the saturated undried yarns under tension just short of breaking point, and stretching the twisted yarns, or cord.

2,137,340

TAP

John J. Hebor, Euclid, Ohio, assignor to Niles-Bement-Pond Company, Hartford, Conn., a corporation of New Jersey

Application August 9, 1937, Serial No. 158,028
3 Claims. (Cl. 10—141)



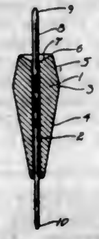
1. A tap of the character described having a threaded cutting portion at one end, a short fluted cylindrical guiding portion adjacent said cutting portion, an elongated portion adjacent said guiding portion of materially reduced diameter and into which said flutes extend, and a shank adjacent said reduced diameter portion of substantially the same diameter as said guiding portion.

2,137,341

FISHING FLOAT

James A. Hingle, Houston, Tex., assignor, by mesne assignments, of two-thirds to J. R. Phillips, and one-third to James P. Westmorland, both of Houston, Tex.

Application December 13, 1935, Serial No. 54,212
3 Claims. (Cl. 43—49)



1. A fishing float comprising a body adapted to float in a vertical position, and having its upper end hollowed out to form a concavity, the upper edges of said concavity being continuous and lying in a plane substantially perpendicular to the axis of said body whereby when said body is tilted in any direction from its vertical position water will be caused to enter said concavity and cause a popping sound.

2,137,342

SELF-INDICATING PLUG FUSE

Reginald W. King, Dorchester, Boston, Mass.

Application October 2, 1937, Serial No. 167,009
6 Claims. (Cl. 200—121)



1. A self-indicating chambered fuse plug with a fuse and conductor member therefor in the chamber, the chamber having one end closed with a conductor member therein, an opening in one plug end, a button movable therein, and a pressure producing member in the chamber and ignitable by the fuse to produce vapor to project the button through said opening.

2,137,343

CHEMICAL PROCESS

Robert W. Maxwell, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 30, 1937, Serial No. 161,695
19 Claims. (Cl. 260—152)

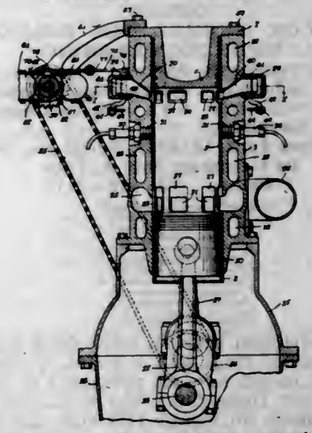
1. A process for preparing low-substituted cellulose ethers which comprises mixing a cellulosic material with a solution of etherifying agent, and alkali in a suitable volatile solvent, removing the solvent by evaporation, and reacting the mixture until a low-substituted cellulose ether is formed.

2,137,344

DIRECTIONAL INTAKE CONTROL FOR INTERNAL COMBUSTION ENGINES

John J. McCarthy, Malden, Mass.

Application April 8, 1936, Serial No. 73,225
3 Claims. (Cl. 123—65)



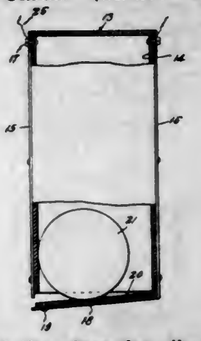
1. In an internal combustion engine of the compression ignition type, having tangentially arranged intake ports each provided with a movable vane formed to direct air into the combustion chamber with a tangential flow, in combination with means to increase the turbulence of mixture within the engine cylinder by controlling the delivery angle of the intake ports by the movement of said vanes.

2,137,345

AMUSEMENT APPARATUS

Ridgie Burr McCutcheon, Fayetteville, W. Va.

Application December 31, 1936, Serial No. 118,697
1 Claim. (Cl. 200—85)



A switch of the class described comprising a casing having one end open, said casing being formed of non-conducting material, a closure of non-conducting material for said open end, a strip of conducting material connected to one side of the casing and having a part projecting beyond the open end thereof, a second strip of conducting material connected to the opposite side of the casing and having a part bent at substantially right angles to extend across the open end of the casing and said part being connected with the closure member and resilient to hold

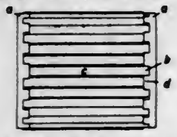
the closure member in position closing the open end of the casing, said bent part also having its free end projecting from the closure member to contact the first strip at its projecting end, when the closure member is in closing position, and a ball weight in the casing and acting to move the closure member to partly open position to separate the contact strips when said ball is resting on the closure member.

2,137,346

DEVICE FOR GUIDING THE ROLLERS OF ANTIFRICTION BEARINGS

Wilhelm Offermanns, Aachen, Germany, assignor to Schumag Schumacher Metallwerke Aktiengesellschaft für Prazisionsmechanik, Aachen, Germany

Application June 15, 1937, Serial No. 148,381
In Germany July 4, 1936
1 Claim. (Cl. 308—217)



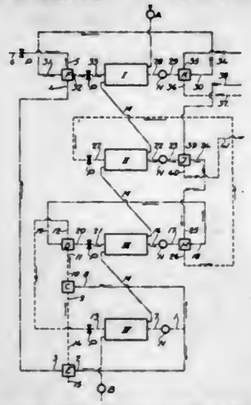
An anti-friction bearing, comprising a pair of spaced retainer rings and a series of successive needle-like rollers in close proximity to one another between these rings, one of the said rings having recesses for loosely receiving and holding one end of every second roller and the other ring having recesses staggered with relation to the former for loosely receiving and holding the opposite end of each of the other rollers.

2,137,347

METHOD OF DRYING VARIOUS MATERIALS AND MEANS FOR CARRYING OUT SUCH METHOD

Johan Gustaf Olsson, Stockholm, Sweden

Application May 13, 1936, Serial No. 79,586
In Sweden October 17, 1932
9 Claims. (Cl. 34—24)



5. A method of drying material which comprises passing said material successively through a series of drying zones and in each such zone subjecting it to the drying action of a separate and independent current of gaseous drying medium, the current in the last drying zone being hot products of combustion whose temperature has been lowered by heat interchange with the current of gaseous drying medium passing through the next preceding drying zone.

2,137,348

METHOD OF MAKING A RADIATOR RIBBON

Stanislaus Przyborowski, Tonawanda, N. Y., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y.

Original application January 28, 1935, Serial No. 3,796. Divided and this application July 23, 1937, Serial No. 155,253
1 Claim. (Cl. 113—118)



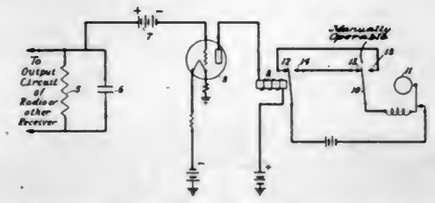
The method of integrating cellular radiator cores which comprises forming a plurality of units each comprising a spacer ribbon and an enclosing water tube ribbon, forming a joint in the free extremities of the water tube ribbon, and simultaneously inserting a section of solder wire therein, and finally in face dipping the core in molten solder to connect the ribbons and to fuse the solder in the joint by the transference of heat from the molten solder to the joint.

2,137,349

RADIO RECEIVING SYSTEM

George Rezos, Inverness, Calif., assignor to American Telephone and Telegraph Company, a corporation of New York

Application November 9, 1935, Serial No. 49,104
2 Claims. (Cl. 177—311)



1. Apparatus for indicating instantly at a radio receiving apparatus whether or not modulated or unmodulated carrier current is being received, comprising a resistive device directly coupled to said apparatus through which the direct current in the output circuit of a final demodulator flows, a source of potential, a vacuum tube detector having grid, plate and cathode electrodes, the grid and cathode electrodes of the tube being connected in series with said source of potential and said resistive device, and means responsive to the current flowing between the plate and cathode electrodes for giving one signal when modulated or unmodulated carrier current is being received and for giving another signal when said carrier current ceases.

2,137,350

MANUFACTURE OF CARTRIDGE CASES

Horace Ainley Roberts, Huddersfield, England

No Drawing. Application August 28, 1936, Serial No. 98,421. In Great Britain September 19, 1935
9 Claims. (Cl. 102—16)

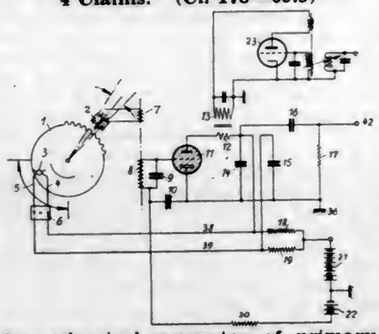
1. As an article of manufacture, a shot gun cartridge case moulded from thermoplastic materials comprising a binding medium, a plasticizer and a filler, in which the ratio of the plasticizer content to the amount of binding medium varies from 45 parts to 75 parts of plasticizer to 100 parts of binding medium, the amount of filler not exceeding 75% of the binding medium.

2,137,351

METHOD OF AND ARRANGEMENT FOR PRODUCING CORRECTING IMPULSES

Kurt Schlesinger, Berlin, Germany, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany

Application January 5, 1934, Serial No. 705,394
In Germany January 10, 1933
4 Claims. (Cl. 178—69.5)



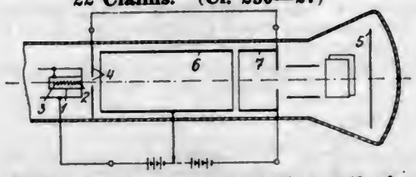
1. A mechanical generator of primary electrical impulses having slight irregularities in frequency, the output of said generator loosely coupled to an oscillatory circuit, said oscillatory circuit being sharply tuned to the fundamental frequency of said impulses required for synchronizing purposes, a relaxation oscillation circuit comprising a direct current source, a charging resistance, a storage condenser and a gas-filled grid-controlled thermionic tube, said oscillatory circuit being connected to the grid of said tube, a bias source connected to said grid for negatively biassing it to such an extent that the tube is only released upon the passage of the positive relaxation maximum of the frequency of the oscillatory circuit, said synchronizing impulses to be produced being taken from said condenser.

2,137,352

CATHODE RAY TUBE

Kurt Schlesinger, Berlin, Germany, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany

Application January 7, 1935, Serial No. 725
In Germany January 12, 1934
22 Claims. (Cl. 250—27)



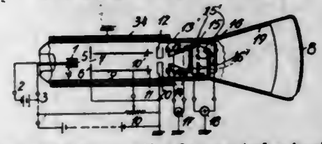
1. In a television arrangement a cathode ray tube comprising an electron beam producing system including a cathode, voltage supplying means associated with said system for causing said system to produce an electron beam, an image screen in said cathode ray tube; means for electron-optically reproducing a cross-sectional portion of said electron beam onto said image screen, said last mentioned means comprising electrodes mounted inside said cathode ray tube in the space between said cathode and said image screen to form an electron optical system, the first one of said electrodes taken from said cathode having the shape of a hollow cylinder of the diameter *d*, with its axis directed from said cathode to said image screen, and means for applying different potentials to said electrodes, the potential applied to said first electrode taken from the cathode being in the order of 300 volts in relation to said cathode; a plate shaped electrode having an aperture of a diameter in the order of 1/30 to 1/20 of *d* mounted in the space between said electron-optical system and said cathode in close vicinity of said first electrode of said electron-optical system; and means for applying to said plate shaped electrode a high positive potential in relation to said first electrode of said electron optical system.

2,137,353

TELEVISION TUBE

Kurt Schlesinger, Berlin, Germany, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany

Application February 28, 1935, Serial No. 8,660
In Germany March 3, 1934
9 Claims. (Cl. 250—162)



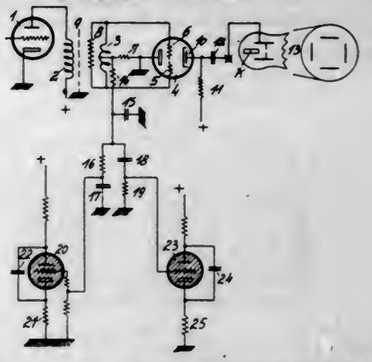
1. In a television cathode ray tube including an electrostatic electron optical image reproducing lens and at least one pair of cathode ray deflecting plates located near said lens: two auxiliary plates both mounted in the same cross-section of said cathode ray tube between said lens and said deflecting plates and at right angles to said deflecting plates, and adapted to be supplied with a common adjustable bias to adjust the refractive power of said lens in a plane forming right angles with the direction of the cathode ray deflection effected by said deflecting plates.

2,137,354

RECEIVING CONNECTION SYSTEM FOR TELEVISON RECEIVERS

Kurt Schlesinger, Berlin, Germany, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany

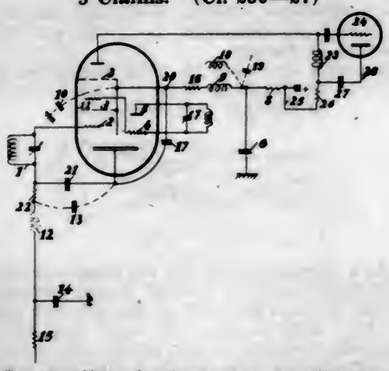
Application April 15, 1935, Serial No. 16,430
In Germany April 20, 1934
4 Claims. (Cl. 178—7.5)



1. In a television receiver for receiving a mixture of image signals and negative synchonization impulses modulated onto the same carrier wave including a push-pull detector tube having input and output for demodulating said carrier wave a picture reproducing device connected to the output of said detector and relaxation oscillators for line and frame synchronization, said input consisting of a selfinduction coil connected

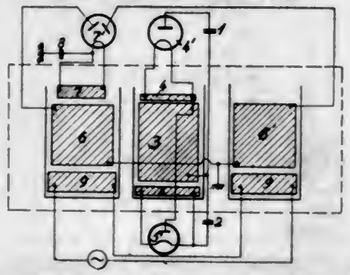
to the grids of said detector tube, the middle point of said coil being connected by an impedance to the cathode of said tube and by filtering means to the input of the relaxation oscillators.

2,137,355
ULTRA SHORT WAVE CONNECTION SYSTEM
Kurt Schlesinger, Berlin, Germany, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany
Application November 20, 1935, Serial No. 50,737
In Germany November 24, 1934
5 Claims. (Cl. 250—27)



2. In an ultra-short wave apparatus comprising a vacuum tube having at least one grid and a cathode and a hum preventing device, means to keep-off high-frequency interferences from the grid of said tube, said means consisting in a condenser and a resistance arranged in close proximity to said grid, said condenser connecting the grid in the shortest way to the cathode of said tube and said resistance connecting said grid to said hum preventing device, said condenser circuit between grid and cathode being tuned to a frequency not lower than that of said apparatus.

2,137,356
HIGH-VOLTAGE TRANSFORMER FOR TELEVISION APPARATUS
Kurt Schlesinger, Berlin, Germany, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany
Application December 9, 1935, Serial No. 53,535
In Germany December 12, 1934
1 Claim. (Cl. 175—363)



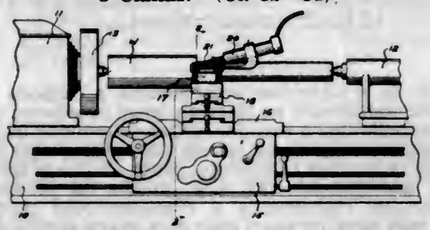
In a supply apparatus containing two rectifier devices including rectifier tubes having cathodes and anodes, a transformer having an iron core, a primary winding and several secondary windings for supplying the heating circuits and the anode circuits of said rectifier tubes, one of said rectifier devices furnishing a direct current potential of several thousand volts and consisting of a potential doubling rectifier circuit with two rectifier tubes and two condensers and the other furnishing a direct current potential of several hundred volts by a single rectifier with two anodes, three separate winding spaces arranged side by side on the iron core, the middle space containing only the secondary winding corresponding to said high potential rectifier and the outer spaces containing said primary winding and said secondary windings corresponding to the low potential rectifier, the high potential secondary winding being arranged between two halves of the corresponding heating current winding, each half of said primary winding being arranged next to the iron core, the two halves of the low potential secondary windings being arranged over said primary winding and the corresponding heating winding being arranged over said anode current winding, the two halves of said anode-current windings connected together on the inside next to said primary windings in order that all insulations between said secondary windings will be loaded only in respect to high direct potentials but not to high alternating potentials.

2,137,357
TOY VEHICLE WITH SOUNDING MEANS
Max Schmid, Nuremberg, Germany
Application February 26, 1937, Serial No. 127,931
In Germany December 14, 1936
6 Claims. (Cl. 46—175)



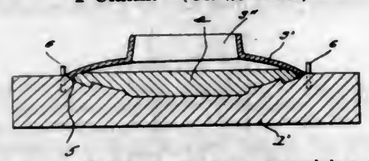
1. In a toy representing a power plant producing noise, a motor, a percussion mechanism operatively connected to the motor for imitating the noise of the plant, a driven part of the toy adapted to be operatively connected to the motor, and means for making and breaking the operative connection of the driven part and the motor independently of the percussion mechanism.

2,137,358
CHIP BREAKER
Robert D. Shaw, Hartford, Conn., assignor to Niles-Bement-Pond Company, Hartford, Conn., a corporation of New Jersey
Application September 22, 1936, Serial No. 101,972
3 Claims. (Cl. 82—34)



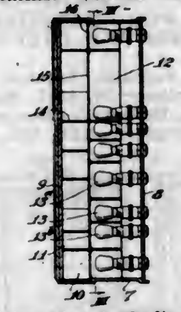
1. A chip breaker for metal cutting machines comprising in combination, a cutting tool, a tool support therefor movable to advance the tool during the cutting operation, a striker mounted for movement with said tool and having a cutting edge positioned to engage the work being cut in advance of the tool, and hammer actuated means to force the cutting edge of the striker percussively into the surface of the work being cut, said means supporting said striker and normally retaining said striker slightly retracted from the surface of the work being cut.

2,137,359
POTTERY MOLD
James Emmet Shultz, Los Angeles, Calif.
Application September 29, 1937, Serial No. 166,412
1 Claim. (Cl. 25—129)



A mold for flat pottery ware comprising a metal base part and a plastic part, said metal part being of substantially saucer shape with an inturned flange at its periphery which is of wedge shape in cross section and which forms an annular space with the adjacent part of the metal part, said saucer-shaped part having an opening at its center, a downwardly tapering ring-shaped part surrounding the opening and connected with the saucer-shaped part, said plastic part having a molding portion on its outer face and the periphery of the plastic part fitting in the space formed by the flange with the outer edge of the flange forming a continuation of the outer face of the plastic part.

2,137,360
ILLUMINATED ADVERTISING SIGN
Alfred Charles Skelsey, London, England
Application December 1, 1937, Serial No. 177,603
In Great Britain December 11, 1936
2 Claims. (Cl. 40—130)

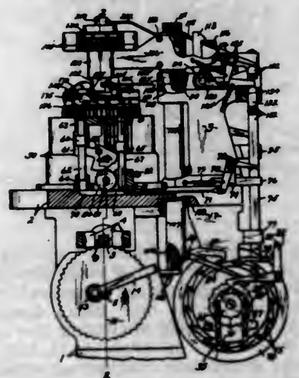


1. An advertising sign including a plurality of lamps arranged within compartments in a light controlling chamber, a frame having character defining strips forming character sections and arranged in front of said compartments, and a plurality of lamps positioned in the compartments immediately behind certain strips of the character defining frame so as to be common each to two or more character forming sections of the frame, while other lamps are individual to specific sections of the frame.

2,137,361
PROCESS OF PRODUCING DIFERRIC TETRACHLORIDE MONOSULPHATE
Edgar A. Slagle, North Plainfield, N. J., assignor to Research Corporation, New York, N. Y., a corporation of New York
No Drawing. Application December 2, 1935, Serial No. 52,619
5 Claims. (Cl. 23—50)

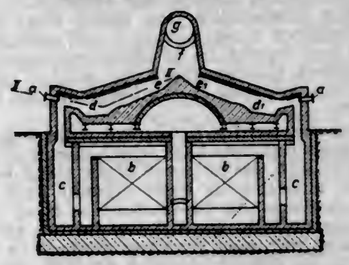
2. A process for the production of a salt having a composiiton corresponding to the theoretical formula $Fe_2Cl_4SO_4$ which comprises reacting sulphate with an alkaline earth metal chloride in substantially the porportions of 1 mole of the ferric sulphate to 2 moles of the alkaline earth metal chloride in the presence of water.

2,137,362
CIRCULAR KNITTING MACHINE
Caleb Smith and Juel L. Peterson, Seneca Falls, N. Y.; said Peterson assignor to said Smith
Application August 18, 1936, Serial No. 96,632
12 Claims. (Cl. 66—58)



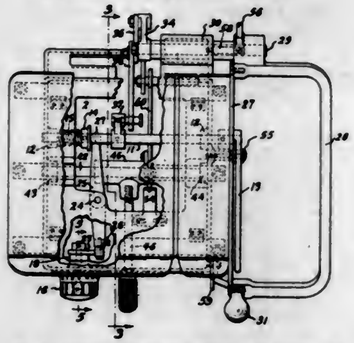
1. In a circular knitting machine, means including a single cam track for advancing and retracting a set of needles to effect knitting, a set of needle jacks and means for producing relative movement of the needles and jacks toward each other to bring the jacks into engagement with the needles for positioning and maintaining said needles at a uniform predetermined level for transfer.

2,137,363
FURNACE FOR MELTING FINE AND GRANULAR SUBSTANCES
Arthur Sprenger, Berlin-Halensee, Germany, assignor to the firm Chemische Studien-Gesellschaft Uniwapo G. m. b. H., Berlin, Germany
Application November 2, 1937, Serial No. 172,483
In Germany November 14, 1936
8 Claims. (Cl. 263—32)



1. In a melting furnace in combination, at least one zone for preheating fine and granular material, at least one tapping zone, at least two inclined surfaces intermediate said preheating and tapping zones, said inclined surfaces having a slope adapted to retain the unmelted material and to allow the melted material to run down to said tapping zone and means for intermittently and successively delivering unmelted material to said surfaces from the preheating zone.

2,137,364
SLICER
Elmer G. Streckfuss and George A. Lensky, Cincinnati, Ohio, assignors to The Cincinnati Time Recorder Company, Cincinnati, Ohio, a corporation of Ohio
Application February 12, 1936, Serial No. 63,566
4 Claims. (Cl. 146—146)



1. In a slicing mechanism having a knife mounted on a shaft and a stop mounted on a shaft, a linkage mechanism for selectively transmitting motion from one shaft operating the knife, to another shaft operating the stop, comprising a lever fixed on each shaft, and two connected links which are connected respectively to the said fixed levers, and guide means for the joint between said two connected links, said guide means being movable to one position in which the movement of said joint is ineffective to transmit said motion, and to another position in which it is effective to transmit said motion.

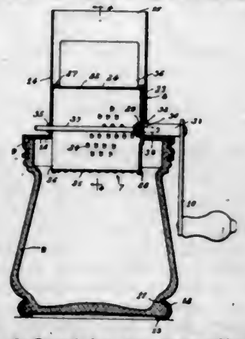
2,137,365
NITROGENOUS FERTILIZER BASE AND PROCESS FOR PRODUCING THE SAME
Stanley Strong, Cockeysville, and William J. Gascoyne, Jr., Baltimore, Md., assignors, by mesne assignments, to William J. Gascoyne, Jr., Baltimore, Md.
No Drawing. Application February 1, 1937, Serial No. 123,520
12 Claims. (Cl. 71—18)

1. A process for producing from feathers a nitrogenous fertilizer base which comprises heating feathers in the presence of an alkali and moisture in such amount and under such conditions that substantially the entire final product is a gelatinous mass having a pH substantially neutral and having an available insoluble nitrogen content greater than the soluble nitrogen content but not less than approximately from 5 to 6.50%.

7. The process for producing from feathers a nitrogenous fertilizer base which comprises heating feathers in the presence of an alkali hydroxide and moisture in such amount and under such conditions as to produce a mass having a pH substantially neutral and having an available water insoluble nitrogen content in excess of the water soluble nitrogen content, and then mixing the mass with superphosphate and drying to produce a finely divided base material having an available water insoluble ammonia content in excess of the water soluble ammonia.

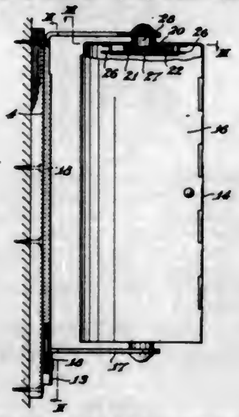
2,137,366
FOOD GRATER
Carl A. Sundstrand, Rockford, Ill.
Application February 21, 1936, Serial No. 65,028
4 Claims. (Cl. 146—91)

1. In a food grater, a receptacle, a closure for the top thereof, a hopper supported on said closure comprising sheet metal side walls in spaced parallel relation, a grating cylinder open at one end disposed horizontally in the bottom of said hopper so that a portion of the open end is exposed in the receptacle to discharge grated food therein, said cylinder comprising a peripheral wall, and a sheet metal disk joined to one end of said peripheral wall and closing one end of said cylinder, said disk having a central hole pro-



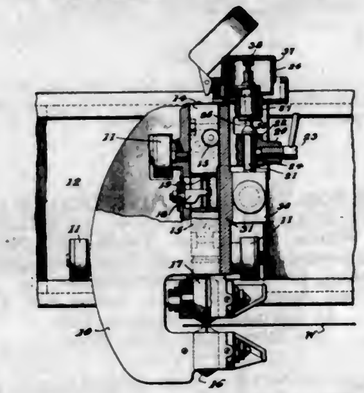
vided therein defined by an inwardly projecting hub portion, said hub being internally threaded, said hopper side walls having coaxial holes provided therein near the top of said closure defined by outwardly projecting bearing portions, and a drive shaft extending centrally through said cylinder and entered in said bearing portions and having an externally threaded portion intermediate the ends thereof threaded in said hub portion.

2,137,367
APPARATUS FOR RECEIVING DELIVERED COMMODITIES AND PREVENTING THEFT THEREOF
Arthur Sutcliffe, London, England
Application October 28, 1937, Serial No. 171,586
In Great Britain September 25, 1936
4 Claims. (Cl. 232—42)



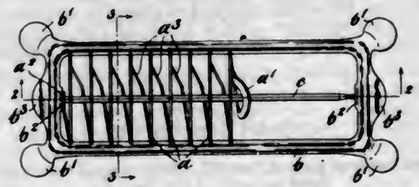
1. An apparatus adapted to be supported on a door jamb adjacent a hinged door for receiving delivered commodities and preventing theft thereof, said apparatus, comprising, in combination, a receiver having an opening by way of which goods can be inserted into it, a carrier having a vertical portion provided with a notch in one edge and formed at its ends with laterally offset arms, means for rotatably mounting said receiver between said arms, a base member adapted to be attached to the door jamb and comprising a strip having channel edges for slidably receiving the vertical portion of said carrier, a catch device mounted on the base member and having a part adapted to project therefrom for contact with the door, a detent on said catch device for engagement with said notch in the carrier, and means to prevent the turning of the receiver from a non-accessible position while the door remains closed.

2,137,368
CONTINUOUS GAUGE
Spencer B. Terry, West Hartford, Conn., assignor to Niles-Bement-Pond Company, Hartford, Conn., a corporation of New Jersey
Application August 1, 1936, Serial No. 93,867
5 Claims. (Cl. 33—147)



1. A gauge comprising in combination, a body member, a slide movable within said body member, work contacting members on said body member and slide respectively, an indicating micrometer secured to said slide, a rod forming an extension to the micrometer spindle, and indicating means for the position of said slide, said means including a flexibly mounted armature supported on said body member for limited movement and engaging the opposite end of said rod whereby said armature is moved by movements of said slide, and an electric indicating instrument responsive to movements of said armature.

2,137,369
TOAST RACK
Albert Victor Terry, Headless Cross, Redditch, England
Application May 29, 1937, Serial No. 145,623
In Great Britain June 11, 1936
3 Claims. (Cl. 211—120)

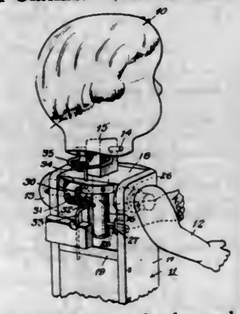


1. In a toast rack, the combination of an open-coiled spiral spring, a base stand having longitudinal side rail members disposed in parallel relation for slidably supporting said spring and for guiding the freely expanding and contracting movements thereof, a longitudinal member incorporated in said stand so as to extend longitudinally through said spring, between and in parallel relation to said side rail members, for retaining said spring against lifting displacement from said stand, and means for anchoring one end of said spring to said stand, the opposite end of the spring remaining free for expansion and contraction limited only by the length of said stand, and the convolutions of said spring providing resilient gripping jaws for slices of toast.

2,137,370
METHOD OF COATING IRON AND STEEL SURFACES
Theodor Broch Unger, Fredriksstad, Norway
No Drawing. Application December 5, 1936, Serial No. 114,503. In Great Britain December 11, 1935
1 Claim. (Cl. 148—6.5)

Method of protecting iron and steel structures against corrosion which comprises preparing an aqueous zinc depositing paste by incorporating zinc oxide and monocalcium phosphate into an aqueous liquid, applying a coating of the so prepared aqueous paste to the iron surface to be protected, and leaving the so applied coating on the iron surface in a moist condition at ordinary temperature until the coating has solidified.

2,137,371
DOLL
August Marsh, Newark, N. J.
Application February 25, 1938, Serial No. 192,466
4 Claims. (Cl. 46—120)

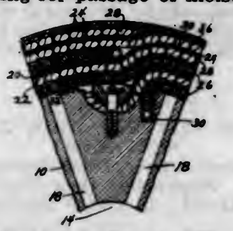


1. A doll comprising a body, a head mounted on the body and movable laterally from side to side and also through an arc in a vertical plane from front to back, a pair of arms mounted on the body and movable relative thereto, means operatively connecting one of said arms to the head, so that movement of the arm causes the head to move laterally from side to side, and means operatively connecting the other arm to the head so that movement of the arm causes the head to move through an arc in a vertical plane from front to back.

2,137,372
WORK TREATING ROLL
Robert F. Whitney, Winchester, Mass., assignor to The Turner Tanning Machinery Company, Portland, Maine, a corporation of Maine
Application November 27, 1936, Serial No. 112,911
7 Claims. (Cl. 149—14)

1. A work treating roll to remove moisture from pieces of work comprising a hollow cylinder having numerous channels extending from the surface to the interior of the cylinder, a foraminous metallic layer covering the surface of the cylinder, and a perforate sheet of rubber

and one or more sheets of absorptive material wound together to serve as a covering for the said metallic layer, the sheet or sheets of absorptive material having portions interposed between adjacent layers of the wound rubber sheet thus providing for passage of moisture from one



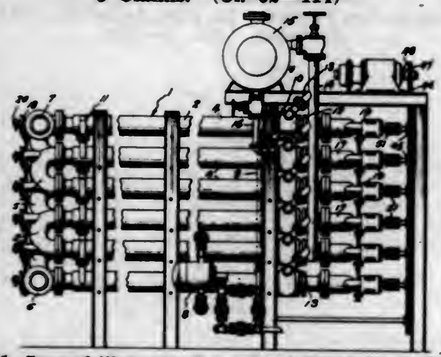
layer of rubber to another and through perforations in said rubber layers, said absorptive material being longer than the rubber sheet to provide an absorbent layer exterior to the outermost rubber layer for contact with the work piece from which moisture is to be expressed.

2,137,373

DOUBLE PIPE CHILLER

Jesse D. Williams, Jr., Shively, Ky., assignor to Henry Vogt Machine Co. Inc., Louisville, Ky., a corporation of Kentucky

Application September 29, 1936, Serial No. 103,181
5 Claims. (Cl. 62—114)



1. In a chiller, a coil for the fluid to be chilled comprising superposed straight pipe sections, return bends at the ends of said sections connecting them serially, shafts passing through said sections and through the return bends at least at one end of said chiller, rotary devices on said shafts, stuffing glands surrounding said shafts carried by the return bends through which said shafts extend, compression packing within said stuffing glands, cells interposed in said compression packing, open to the joints between said compression packing, shaft and gland, a conduit having branches communicating with said cells, said conduit leading to the supply source of the fluid circulating within said coil for carrying the leakage through said packing back to the system.

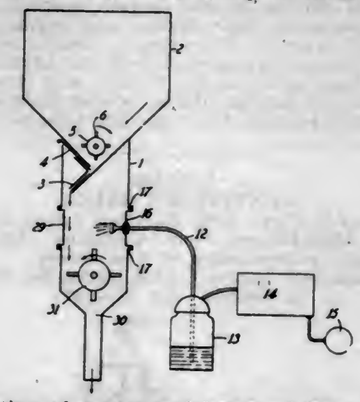
2,137,374

TREATMENT OF TEA

Leonard Morton Wright, Dunedin, New Zealand

Application December 6, 1937, Serial No. 178,405
In New Zealand November 14, 1936
1 Claim. (Cl. 99—76)

A process for treating tea, consisting in moving the tea leaves through a predetermined path and subjecting the leaves while in movement to a spray, delivered under material pressure, of the essential oils of the group of citrus fruits



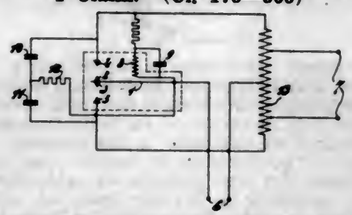
consisting of orange and lemon oil from which the terpenes have been removed.

2,137,375

DEVICE FOR TRANSFORMING DIRECT CURRENT INTO ALTERNATING CURRENT

Johan Willem Alexander, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands

Application August 22, 1936, Serial No. 97,306
In Germany October 15, 1935
1 Claim. (Cl. 175—365)



In a device for converting direct current into alternating current by means of a vibratory system having a vibrating member adapted upon connection of the system to a source of direct current to vibrate between two contacts to thereby alternately and periodically make and break the circuits which include a transformer winding and the source of direct current whereby current is made to flow first in one of the circuits and then in the other thereof, in combination, a circuit comprising a pair of condensers in series connected between said two contacts and means for limiting the discharge current of the said condensers comprising a resistance element of the order of 60 ohms connected directly between the vibrating member and a point of the last named circuit which is common to the two condensers.

2,137,376

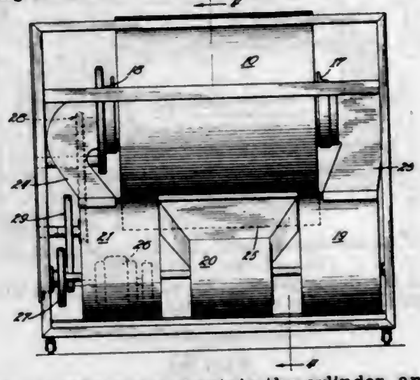
CLOTHES DRIER

Henry W. Altorfer, Peoria, Ill.

Application December 27, 1937, Serial No. 181,724
2 Claims. (Cl. 34—5)

1. In a clothes drier, a perforate cylinder, a casing surrounding said cylinder having a top opening, a tubular shaft extending through said casing for supporting the cylinder for rotation and having perforations in the section interior of the cylinder, blowers for introducing air to the interior of the cylinder through the tubular

shaft, a blower for introducing air through the casing to the exterior of the cylinder, a motor to



drive the blowers and rotate the cylinder, and a movable cabinet enclosing this apparatus as a unit.

2,137,377

LAMINATED GLASS

Walter Bauer and Paul Weisert, Darmstadt, Germany, assignors to Röhm & Haas Company, Philadelphia, Pa.

No Drawing. Application February 20, 1934, Serial No. 712,170. In Germany February 21, 1933
20 Claims. (Cl. 49—81)

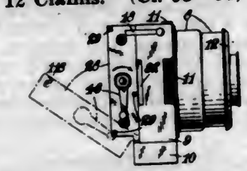
1. A non-shatterable laminated glass comprising a plurality of sheets of glass and as the interposed strengthening layer a material, comprising a polymer of at least one ester containing a vinyl group, and a cellulose ester in an amount not over 20% of the polymerized material.

2,137,378

PHOTOGRAPHIC CAMERA AND ATTACHMENTS THEREFOR

Noel Pemberton Billing, London, England

Application July 29, 1936, Serial No. 93,219
In Great Britain September 4, 1935
12 Claims. (Cl. 95—34)



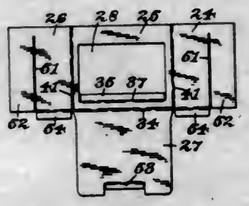
1. A roll film camera back comprising in combination a closure member for application to the rear of a camera body, and movably mounted in said closure member, a presser member to engage behind that part of the film in position for exposure, a film shifting device having a manually operable rotatable spindle and a film spool winding element, an automatically engageable and disengageable driving connection between the spindle and the spool winding element, and an operative connection between the spindle and the presser member including a cam shaped to retract the presser member from engagement behind the film immediately before a film shift is commenced by engagement of the aforesaid driving connection and subsequently to permit a return movement of the presser member when the film shift is completed and the aforesaid driving connection disengaged.

2,137,379

FILM ENVELOPE

Noel Pemberton Billing and Ambrose Henry Tapper, London, England; said Tapper assignor to said Billing

Application August 4, 1937, Serial No. 157,440
In Great Britain August 13, 1936
5 Claims. (Cl. 95—66)



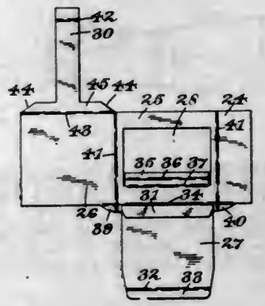
1. A photographic package comprising relatively slidable inner and outer envelopes each having an open end and whereof the inner envelope serves to enclose the light sensitive material and the outer envelope has one wall formed as a mask through which the light sensitive material is exposed when the inner envelope is slidably withdrawn from the outer envelope, and comprising a tongue carried by the outer surface of what may be regarded as the back of the outer envelope, and a loop on the inner envelope through which the tongue will slide as the envelopes are moved relatively to one another as during separation for the purpose of exposure, which tongue and loop serve to limit said movement of separation.

2,137,380

FILM ENVELOPE

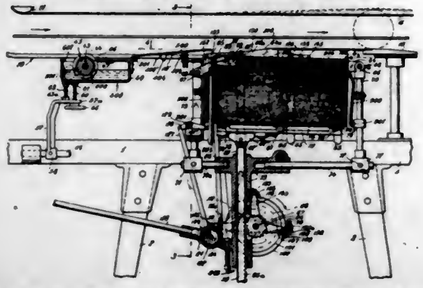
Noel Pemberton Billing, London, and Arthur George Willis, Richmond, Surrey, England; said Willis assignor to said Billing

Application August 4, 1937, Serial No. 157,441
In Great Britain August 18, 1936
8 Claims. (Cl. 95—66)



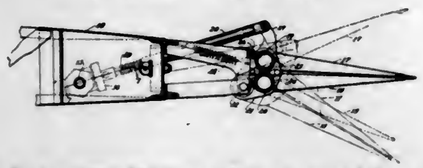
1. A photographic package comprising inner and outer envelopes whereof the outer envelope comprises four panels in one of which is a masked opening over which the other panels are folded in succession, a tongue extending from the edge of an open end of the inner envelope and turned upwardly to extend through a slot in one of the overlying panels of the outer envelope at a position remote from the open edge of the inner envelope when the two envelopes are closed together, a turned in flap on the outer envelope affording a fold in which the slot is formed, and closure flaps on the outermost panels of the outer envelope to hold them in position.

2,137,381
LABEL-FEEDING MECHANISM
Clarence W. Blackstone, Chicago, Ill., assignor to Standard-Knapp Corporation, Long Island City, N. Y., a corporation of New York
Application August 22, 1935, Serial No. 37,268
17 Claims. (Cl. 271—62)



1. In a machine having a magazine for sheet-material including a vertically movable plate, means for automatically feeding same upwardly synchronously with the other operations of the machine, means for automatically segregating and supporting a residue of sheets in the operative position, means for lowering the plate into position for receiving a fresh additional supply of sheets thereon, adding the new supply to the old supply to form a new total supply while continuing the other operations of the machine, and means on the lowering-member and on the machine frame for signalling imminent depletion of the supply.

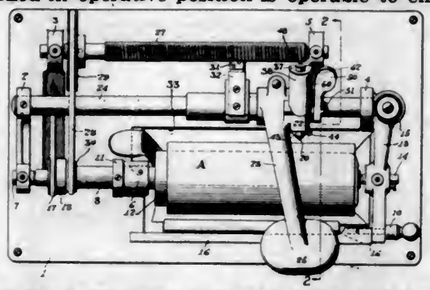
2,137,382
WING FLAP
Raymond C. Blaylock, Francis P. Bassett, and Edward R. Child, Kenmore, N. Y., and Robert R. Osborn, New Orleans, La., assignors, by mesne assignments, to Curtiss-Wright Corporation, a corporation of New York
Application November 6, 1936, Serial No. 109,430
13 Claims. (Cl. 244—42)



1. In an aircraft wing, a fitting pivoted thereto, split trailing flaps pivoted to said fitting for opposed movement relative to said fitting, and unitary means for selectively moving said flaps and fitting bodily relative to said wing and for moving said flaps relative to each other and to said fitting.

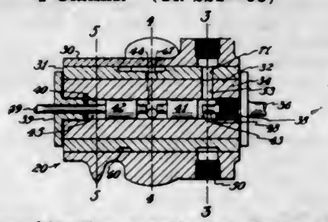
2,137,383
RECORD SHAVING MACHINE
Thomas C. Brown, San Francisco, Calif., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application September 17, 1937, Serial No. 164,280
20 Claims. (Cl. 82—1.1)

1. In a record shaving machine, a record support, a movably mounted knife bar, and mechanism for adjusting said knife bar to and locking it in operative position with respect to a record on said support, said mechanism comprising a knife bar actuating spring which is compressed in the operation of adjusting the knife bar to operative position and means which with the knife bar locked in operative position is operable to effect



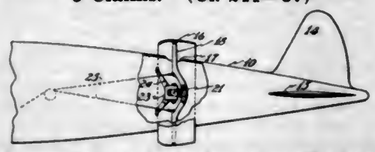
first the decompression of said spring and thereafter the release of the knife bar.

2,137,384
FUEL METERING AND DISTRIBUTING SYSTEM
Kenneth Alan Browne, Paterson, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application December 14, 1934, Serial No. 757,462
4 Claims. (Cl. 221—95)



1. In combination a metering device and distributor having, in combination, a casing, a rotor in said casing having an axial chamber, two metering plungers mounted in said chamber for independent reciprocation to form fluid spaces between or at the ends of said plungers, inlet means adapted to supply fluid under pressure to said casing, a plurality of independent fluid discharge means opening from said casing, means formed in said rotor and coacting with said inlet means to introduce fluid under pressure into said chamber to effect a timed series of plunger movements by which said spaces are formed, and means formed in said rotor and coacting with said discharge means for directing metered charges of fluid displaced by said plungers from a collapsing space successively to said respective discharge means.

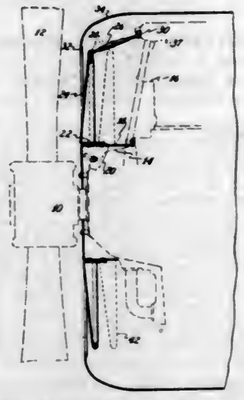
2,137,385
AIRCRAFT CONTROL SYSTEM
Arthur G. Butler, Buffalo, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application April 16, 1937, Serial No. 137,175
5 Claims. (Cl. 244—87)



1. A control system for aircraft having a streamlined, elongated, substantially circular fuselage having a forwardly disposed main lifting surface, comprising a ring member of airfoil

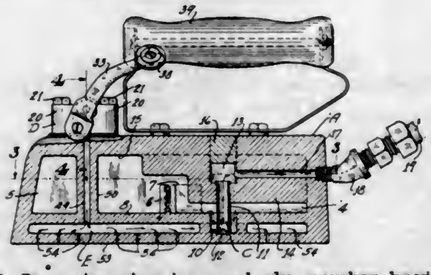
profile, concentrically disposed around said fuselage toward a rearward portion thereof, brace means for connecting said ring to the fuselage, means to selectively tilt said ring relative to said fuselage about vertical and lateral axes respectively, and fixed stabilizing means rearward of said ring member.

2,137,386
CONTROLLABLE ENGINE COWLING
Kenneth Campbell, Radburn, and Philip B. Taylor, Upper Montclair, N. J., assignors to Wright Aeronautical Corporation, a corporation of New York
Application October 19, 1935, Serial No. 45,764
Renewed February 19, 1937
8 Claims. (Cl. 123—171)



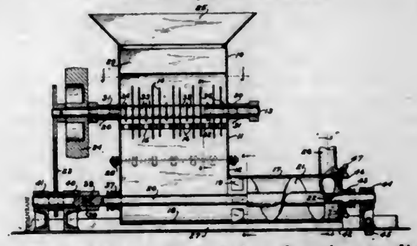
1. The combination with an engine cowl having a front entrance opening, of a disc disposed therein, swinging links guiding the rim of said disc for approximately helical movement, and control means for effecting said movement.

2,137,387
STEAMING IRON
Chester M. Chapin, St. Louis, Mo.
Application February 3, 1936, Serial No. 62,068
10 Claims. (Cl. 38—77)



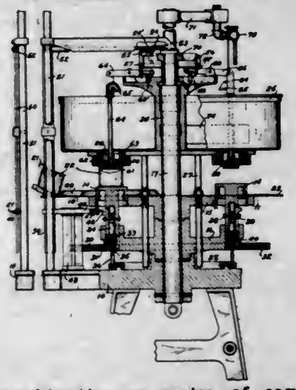
1. In a steaming iron, a body-member having a steam chamber and inlet and outlet ports to and from said chamber, a pair of non-parallel opposed baffles disposed in the body-member transversely across said chamber in overlapping relationship, said baffle-means being laterally spaced at their overlapping portions to provide a passage therebetween for permitting condensate to flow along the floor of said chamber toward the heel of the iron, and means operatively connected with the steam chamber for passing steam to the ironing face of the iron.

2,137,388
PULPING AND CONVEYING SYSTEM
Frank D. Chapman, Berlin, Wis.
Application September 28, 1936, Serial No. 102,843
8 Claims. (Cl. 146—106)



1. In combination, a casing forming a disintegrating chamber and a horizontal trough beneath said chamber, said trough being devoid of agitating mechanism, means for reducing material to a fluent state within said chamber and for delivering the fluent disintegrated material directly into said trough, a tubular casing portion communicating with an end of said trough laterally beyond said chamber, fixed vanes extending inwardly of said tubular casing portion near said trough, and means within said tubular casing beyond said vanes for withdrawing fluent material from said trough past said vanes.

2,137,389
RECEPTACLE FILLING MACHINE
Frank D. Chapman, Berlin, Wis.
Application November 10, 1936, Serial No. 110,047
12 Claims. (Cl. 226—98)

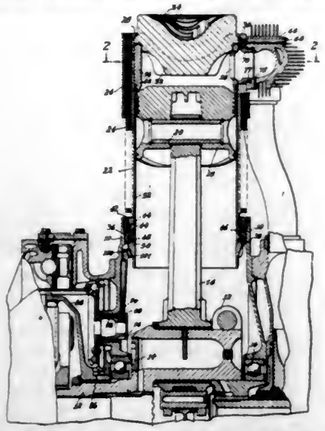


1. In combination, a series of can supports movable about an axis, a liquid supply tank above said supports, a valve for controlling the delivery of liquid from said tank toward each of said supports, means for elevating said supports to move the cans carried thereby into operative relation with said valves, and means including linkage operable by said supports for maintaining said valves closed when no cans are disposed upon said supports, said linkage extending from said supports and around the exterior of said tank and cooperating with said valves from above.

2,137,390
ROTARY VALVE AND SEAL THEREFOR
Roland Chilton, Ridgewood, N. J., assignor, by mesne assignments, to Wright Aeronautical Corporation, Paterson, N. J., a corporation of New York
Application January 9, 1937, Serial No. 119,727
9 Claims. (Cl. 123—80)

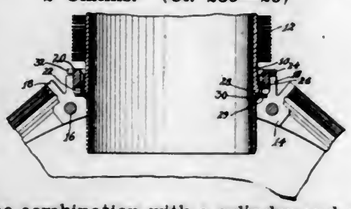
1. In an engine, in combination, a crankcase

having a cylinder receiving opening having an abutment, a sleeve valve member, a split ring member, said members having a cooperating flange and groove connection for relative axial



location, said split ring being seated in said opening against said abutment, a cylinder having a base portion in said opening, and means to hold said base portion against said split ring.

2,137,391
CYLINDER ATTACHMENT
Roland Chilton, Ridgewood, N. J., assignor, by mesne assignments, to Wright Aeronautical Corporation, Paterson, N. J., a corporation of New York
Application January 9, 1937, Serial No. 119,729
2 Claims. (Cl. 285—25)



1. The combination with a cylinder and a case, of an annular nut, a flange on the cylinder overlapping the bore of said nut, serrations on said flange and in said bore to permit the nut to be passed into position for assembly, a split ring adapted to retain said nut from re-passing said flange and threads in said case into which said nut is screwed to hold said flange in assembled relation against said case.

2,137,392
VARIABLE INDUCTOR
Howard L. Cobb, Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application February 16, 1934, Serial No. 711,611
17 Claims. (Cl. 171—242)

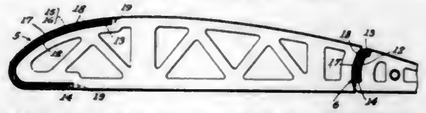


1. A variable inductor comprising a flat spiral winding, a body of magnetic material, and means mounting said winding and magnetic material body for relative movement, thereby to vary the inductance of said winding.

2,137,393
PROCESS OF POLYMERIZING STYRENE
George L. Dorough, Holly Oak, and George D. Graves, Bellefonte, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 22, 1937, Serial No. 154,999
8 Claims. (Cl. 260—2)

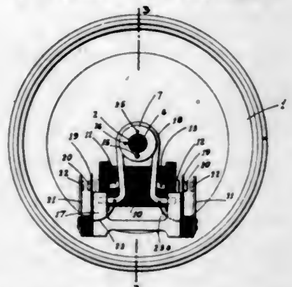
1. Process comprising subjecting monomeric styrene to polymerizing conditions in the presence of sulfur dioxide as a catalyst.

2,137,394
PREVENTION OF ICE FORMATION
Edward A. Driscoll, New York, N. Y.
Application June 21, 1937, Serial No. 149,409
2 Claims. (Cl. 244—134)



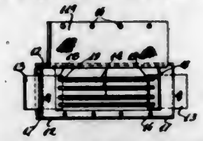
1. An ice preventer for aircraft, comprising a flexible pad conformable over the leading edge of an airfoil and composed of a flexible base layer of water-proof material, an outside flexible layer pervious to atmospheric moisture, an intermediate layer of moisture absorbent material electrically insulative when dry and electrically conductive when wet, said intermediate layer being flexible in nature and confined and supported between said outer moisture pervious flexible layer and said inner flexible waterproof layer, electrically separated conductors in said intermediate normally insulating but electrically conductive when wet moisture absorbent layer, means for connecting said electrically separated conductors in opposite sides of an electrical circuit, said flexible outer and inner layers of said pad being secured together in tapering relation at opposite edges of the pad to enable the conforming of the flexible pad in stream-lined engagement about the leading edge of an airfoil.

2,137,395
INERTIA SWITCH
Reuben Erich, Avenal, Calif.
Application July 6, 1936, Serial No. 89,047
8 Claims. (Cl. 200—52)



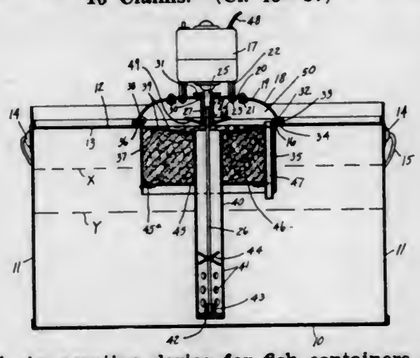
1. An inertia switch comprising relatively long and short pendulums normally spaced apart, switch contact elements adapted to cooperate to close the switch circuit, means mounting the pendulums for swinging movement in a common direction and in such relationship to each other and to the contact elements that the latter will thus cooperate by reason of and after a predetermined amount of swinging movement of the pendulums from a normal vertical position, and means acting to prevent engagement of the contacts with vibratory movement of the pendulum mounting means and the consequent vibrations imparted to the pendulums.

2,137,396
GRIP STRIP FOR PANTS AND OTHER GARMENTS
Newton A. Gladstone, Forest Hills, N. Y.
Application November 29, 1937, Serial No. 176,959
4 Claims. (Cl. 241—7)



1. In combination with an annular portion of a garment, a grip tightening means, comprising a tubular casing of fabric material, elastic strands attached along the longitudinal sides of said tubular casing for gathering same, tabs mounted through the ends of said casing and having their outer ends securable on the annular portion of said garment, and elastic bands removably mounted between the inner ends of said tabs.

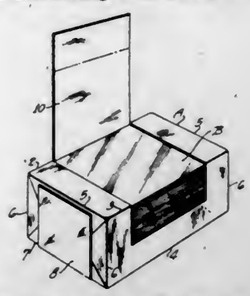
2,137,397
AERATING DEVICE FOR MINNOW BUCKETS
James F. Haldeman, Martinsville, Ind.
Application August 7, 1937, Serial No. 157,890
16 Claims. (Cl. 43—57)



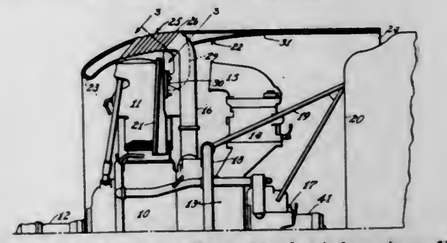
1. An aerating device for fish containers and the like including in combination, an aerating chamber, a rotatable shaft, a tubular extension depending from the chamber and constituting an intake thereto, an impeller on said shaft in said extension, and a deflecting plate on said shaft and in said chamber, the chamber having aerating openings in its upper portion and apertured at its lower portion for aerated discharge to the container.

2,137,398
PACKAGE
Eva Jo Helber, St. Louis, Mo., assignor to Brooks Paper Company, St. Louis, Mo., a corporation of Missouri
Application July 23, 1934, Serial No. 736,467
1 Claim. (Cl. 206—57)

A package comprising, with a plurality of substantially rectangular sheets assembled in stacked relation to thus present a substantially rectangular prismatic pile formation, and a wrapper formed of a single substantially rectangular sheet wrapped around the sides and interfolded and secured at the ends of the pile formation to thus present a wrapped package, preserving the substantial prismatic rectangular shape of the pile formation, said wrapper having the body thereof in its middle portion weakened for severance within a substantially U-shaped formation with the side lines of the area severance extending substantially across a flat side of the sheets of the pile formation adjacent to the interfolded ends to terminate at their ends at one side edge of the package and having the bight of the line of severance extending well down over an angularly disposed face of the package to present the cross-line of the U-shaped form adjacent to a side edge of the package substantially diagonally opposite the edge to which the ends of the U-shaped line terminate, the line of severance being thus presented entirely within the middle portion of the wrapper sheet and being of such form and location and area as to permit severance and folding back of the defined portion of the wrapper to thus present the piled sheets to be withdrawn singly from the top while at the same time the unbroken portions at the ends of the package hold the sheets in place and the area within the bight of the U-shaped line presents an opening through which the edges of the individual sheets of the pile can be grasped for withdrawal through the top opening.



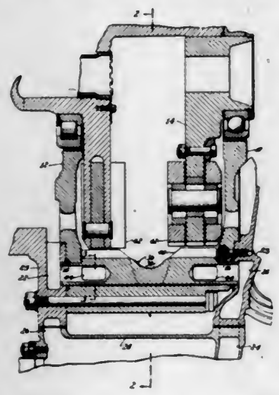
2,137,399
AIRCRAFT ENGINE INTERCOOLER
Vinton Higbie, Paterson, and Raymond W. Young, Maywood, N. J., assignors to Wright Aeronautical Corporation, a corporation of New York
Application December 11, 1936, Serial No. 115,314
4 Claims. (Cl. 123—55)



1. In a supercharged power plant for aircraft, in combination, a radial cylinder engine, an annular cowl ring encircling the engine, baffles in the inter-cylinder spaces to augment the cooling airflow pressure differential between the front and rear of several cylinders, segmental intercooler radiators, one for each cylinder, arranged in the cowling and organized for cooling airflow

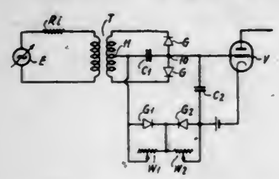
therethrough and having their air entrances beneath the cowl and their air exits without the cowl, and pipes for each said intercooler connected respectively to the engine supercharger and to the corresponding engine cylinder.

2,137,400
CRANKCASE SCAVENGING SCOOP
Henry C. Hill, Paterson, and Arthur Landauer, Ridgewood, N. J., assignors to Wright Aeronautical Corporation, a corporation of New York
Application June 13, 1936, Serial No. 84,994
3 Claims. (Cl. 184—6)



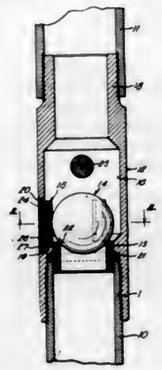
1. The combination with an engine having a crankcase and cylinder barrels projecting therein, said case having opposed scavenge holes in respective walls thereof, a tube engaged in said holes and passing between said barrels, and scoops defining lateral openings in said tube placed against the direction of rotation of the parts in said crankcase for the entrainment of oil in said tube.

2,137,401
ELECTRICAL CONTROL DEVICE
Ernst Hobbie, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany
Application July 8, 1936, Serial No. 89,671
In Germany July 26, 1935
4 Claims. (Cl. 250—20)



3. In combination, an electron discharge tube having a cathode, grid and plate, an input transformer, oppositely disposed rectifiers connected in series across the secondary of said transformer, a condenser having one side connected to the common terminal of said rectifiers, a circuit connecting said common terminal to said grid, a connection between the other side of said condenser and the midpoint of said secondary winding and a direct current connection including two oppositely disposed rectifiers between the other side of said condenser and said tube cathode.

2,137,402
PUMP VALVE CONSTRUCTION
Daniel W. Hoferer and Edward T. Adams, Long Beach, Calif., assignors to Hofco Pump, Ltd., Long Beach, Calif., a corporation of California
Application December 21, 1936, Serial No. 116,953
8 Claims. (Cl. 251—121)



3. A cage for a well pump valve including, a one-piece tubular body for housing the valve, the body having circumferentially spaced openings in its wall, members harder than the body partially received in the openings and projecting from the inner wall of the body to guide the valve, and welds in the openings securing the members to the body.

2,137,403
PUMP
Daniel W. Hoferer, Long Beach, Calif.
Application March 10, 1937, Serial No. 130,063
15 Claims. (Cl. 103—179)

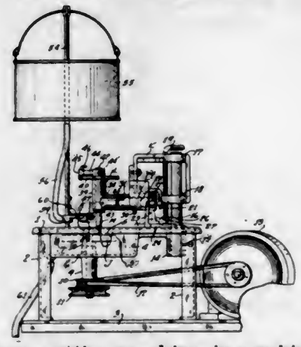


1. A well pump including, two plungers, one a standing plunger, the other a working plunger, a barrel surrounding and movable with respect to both plungers, valves in connection with the plungers, stop parts on the barrel and working plunger for limiting relative movement between them, said parts defining a chamber in the barrel, and means progressively restricting the discharge of fluid from said chamber as the parts move together to cushion the engagement of the said parts.

2,137,404
DRYING PROCESS
Hanns Hollerer, Munich, Germany, assignor to Dr. Alexander Wacker Gesellschaft für Elektrochemische Industrie, G. m. b. H., Munich, Bavaria, Germany
No Drawing. Application January 13, 1937, Serial No. 120,409. In Germany January 20, 1936
3 Claims. (Cl. 34—24)

1. The process of removing water from articles, which comprises providing a bath of a volatile organic water insoluble liquid containing an emulsifying agent effective for removing water from articles immersed in said bath, immersing the articles in said bath thereby removing water from them, and removing said articles from the bath and drying them.

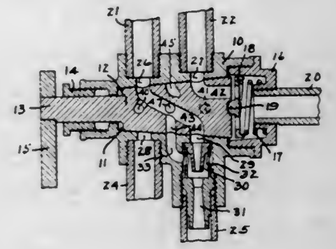
2,137,405
GEM CUTTING MACHINE
George McD. Johns, St. Louis, Mo.
Application April 27, 1936, Serial No. 76,600
3 Claims. (Cl. 51—124)



2. In a gem-cutting machine, in combination, a rotary gem-working element having an upwardly presented face providing a reference plane, a table having an upwardly presented face lying parallel to said reference plane, a post mounted perpendicularly to and extending upwardly from the reference plane, a frame shiftably supported on the post for swingable and freely slidable movement about an axis perpendicular to said plane, means threadedly mounted in the frame for sliding engagement at its one end with said upwardly presented table face for adjustably limiting the downward sliding movement of said frame, a rigid hub projecting radially from the frame and lengthwise disposed in parallelism with said plane, a trunnion mounted lengthwise in the hub, a sleeve journalled for rotary movement on the trunnion, an index-plate projecting laterally from and fixed to the hub, a workholder supporting head fixed to the sleeve and axially disposed perpendicularly to the trunnion, a rigid arm extending laterally from the sleeve at right angles to the trunnion, and means for adjustably engaging the arm with the plate for measuring the angular movement of the head.

2,137,406
WATER SOFTENER VALVE
John A. Johnson, Crawfordsville, Ind., assignor to Puritan Engineering Corp., Crawfordsville, Ind.
Application December 8, 1936, Serial No. 114,793
9 Claims. (Cl. 210—24)

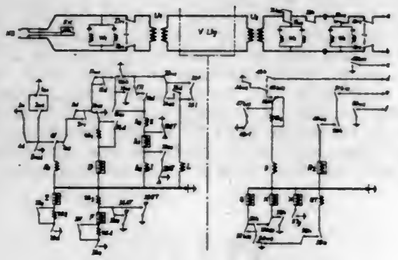
1. For a water softener having a softening tank and a brine tank with automatic means regulating elevations of a brine solution therein, a control valve comprising a body, a revoluble plug in the body, said softener having a soft water conduit leaving from one side of the body, a flow conduit between the same side of the body and the top of said softening tank, said softener having a waste discharge conduit leaving the valve body from another side, and having a raw water and brine conduit leading from said valve body from said other side to the bottom of said water softener tank, said softener having a brine pipe and a water supply pipe interconnecting said brine tank and a side of said valve body between said one and said other sides, and having a raw water supply pipe entering an end of said valve body, said valve plug having a raw water passage opening in said valve body end and discharging laterally from the plug by a port in circumferential alignment with ports in the valve body from said softener tank top and bottom connecting conduits, a diagonal passage having one end in circumferential alignment with said top and bottom conduits and its other end in circumferential alignment with body ports from said soft water and waste conduits, said ports and said plug diagonal passage being arranged to interconnect the soft water and bottom tank conduits in one position of the plug and the top tank and the waste conduits in a revolved position with said plug raw water passage discharging into the top tank conduit in the first position and into the bottom tank conduit in the second position, a brine injector nozzle between said body and said bottom tank conduit, said body providing a bypass around said nozzle, said plug carrying a brine passage closed off in said first position and interconnecting said brine pipe and said bypass in said second position, and said plug further having a passage interconnecting said diagonal passage and said brine tank water supply pipe in said first position only.



2,137,407
CATALYTIC HYDROGENATION PROCESS
Wilbur A. Lazier, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 14, 1934, Serial No. 715,509. Renewed June 3, 1936. In Canada May 11, 1931
19 Claims. (Cl. 260—638)

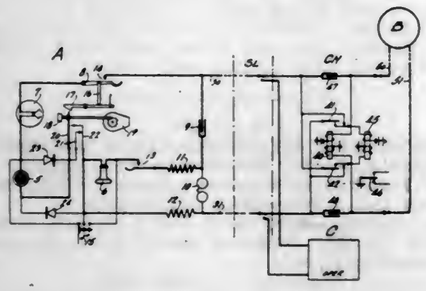
1. The process of hydrogenating an unsaturated oxygen-to-carbon linkage capable of hydrogenation of an organic compound containing same, which comprises bringing said compound in the liquid phase in contact with hydrogen in the presence of a catalyst prepared by heating a multiple chromate of a nitrogen base and copper to its spontaneous decomposition temperature.

2,137,408
TELEPHONE SYSTEM
Friedrich Lill, Vienna, Austria, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany
Application December 2, 1935, Serial No. 52,452
In Austria December 3, 1934
5 Claims. (Cl. 179—36)



1. In a telephone system, a local exchange having magneto lines, a main exchange connected to said local exchange by a trunk line, means responsive to a call from a magneto line for signalling the operator at said main exchange by transmitting alternating current over said trunk line, means controlled by the main exchange operator for transmitting alternating current back over said trunk line to said local exchange to establish a connection with the calling magneto subscriber, and means automatically operated for delaying the transmission of the alternating current by the operator controlled means in the event that the calling magneto subscriber transmits further alternating current at the time the connection is being established by the operator.

2,137,409
SUBSTATION TELEPHONE CIRCUIT
Talbot G. Martin, Chicago, and Clarence E. Lomax, Oak Park, Ill., assignors to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application November 20, 1933, Serial No. 698,772
13 Claims. (Cl. 179—6.3)

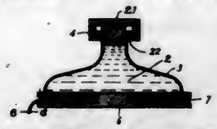


1. In a substation telephone circuit, telephone apparatus, a pair of rectifiers, one of said rectifiers normally connected in shunt and the other rectifier in series with said telephone apparatus, and circuit controlling means in the telephone circuit for removing said rectifiers from the circuit of said telephone apparatus.

2,137,410
DIESEL FUEL
Robert C. Moran, Wenonah, and George S. Crandall, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application September 15, 1937, Serial No. 163,913
8 Claims. (Cl. 44—9)

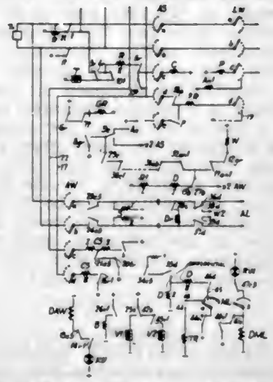
1. An improved Diesel fuel comprising: a hydrocarbon fuel oil and in admixture therewith a minor proportion of a sulfurized terpene in an amount sufficient to decrease the ignition delay period of the fuel.

2,137,411
ELECTRIC CONDENSER
Mendel Osnos, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Original application May 5, 1932, Serial No. 609,401. Divided and this application February 24, 1936, Serial No. 65,228
2 Claims. (Cl. 175—41.5)



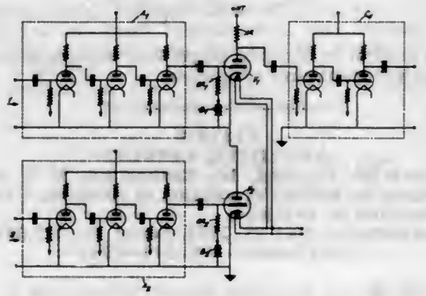
1. An electric condenser comprising an insulating bottle-like container having a base of substantially larger area than the cross section of the neck of said bottle, a conducting fluid within said container, an electrode closing the opening of said container, and means for changing the capacity between said conducting liquid and said metallic electrode.

2,137,412
TELEPHONE SYSTEM
Walter Pfaff, Berlin-Zehlendorf, Germany, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany
Application January 2, 1937, Serial No. 118,753
In Germany February 12, 1936
9 Claims. (Cl. 179—18)



1. In a private branch telephone system wherein a main exchange selector connects with a calling line when all local connecting lines are busy, switching means associated with said selector, means including all of said busy connecting devices for preparing said switching means for operation, said switching means operated thereafter responsive to an impulse transmitted by the initiation of an additional call to start said selector stepping to find the calling line and for preparing a stop circuit for terminating the stepping of said selector when the calling line is found, and means responsive when a connecting device is idle and a trunk call is initiated thereover by a calling subscriber for transmitting an impulse to operate said switching means to control said selector in identical manner.

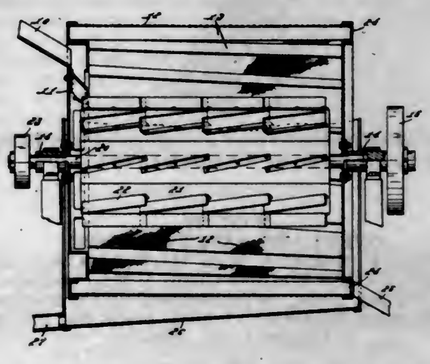
2,137,413
THERMIONIC AMPLIFIER
Donald Leopold Plaistowe, East Sheen, England, assignor to Radio Corporation of America, a corporation of Delaware
Application April 4, 1933, Serial No. 664,256. Renewed March 24, 1936. In Great Britain April 7, 1932
7 Claims. (Cl. 179—171)



1. An amplifying system comprising a source of potentials to be amplified, a first amplifier therefor, means including a condenser for capacitively coupling said source to the input side of said amplifier, a second source of potentials to be amplified, a second amplifier, means including a condenser for capacitively coupling said second source to the input side of said second amplifier, a tube having an input grid, a cathode and a plate, means including a condenser for capacitively coupling the output of the first amplifier to the input grid and cathode of said tube, another tube having an input grid, a cathode and a plate, means including a condenser for capacitively coupling the output of said second amplifier to the input grid and cathode of said other tube, means for directly connecting the cathode of one of said tubes in series with the plate of the other of said tubes, a connection supplying plate potential to said tube whose cathode is connected serially with the plate of the other tube, whereby plate potential for said other tube is supplied through said serial connection, a common amplifier for said tubes, means connecting the input terminals of said common amplifier across the plate of one of said tubes and the cathode of the other of said tubes, and an output circuit connected to the output terminals of said common amplifier.

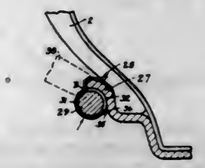
2,137,414
METHOD OF EXTRACTING FRUIT JUICES
Ralph Polk, Sr., Miami, and Ralph Polk, Jr., Haines City, Fla.
Application June 3, 1937, Serial No. 146,166
1 Claim. (Cl. 146—219)

The method of extracting juice from citrus-fruit juice-cells dissociated from peel but associated with inedible integuments which consists in repeated batting of freely-falling juice-cell-integument masses, propelling the masses out



of the zone of the batting action collecting the masses and straining the juices therefrom, returning the masses and dropping them into the batting zone for further batting.

2,137,415
BALANCING MEANS FOR AUTOMOBILE WHEELS
Charles F. Rubsam, Jackson, Mich.
Application December 14, 1934, Serial No. 757,542
4 Claims. (Cl. 301—5)

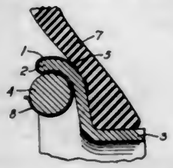


3. A balancing instrumentality of the type described for a wheel having a tire carrying rim with an outwardly extending flange comprising a spring clip and a weight carried by the clip, one end of the clip elastically embracing a major portion but not all of the circumference of said weight to retain said weight and clip in assembled relation, the other end of said clip defining a lip overhanging at least a portion of the circumference of said weight not embraced by said clip, said lip being spaced from said weight to form a channel for elastically receiving said flange, whereby said lip elastically engages said flange and said balancing instrumentality is secured to said flange.

2,137,416
COUNTERBALANCING MEANS FOR AUTOMOBILE WHEELS
Charles F. Rubsam, Jackson, Mich.
Application December 19, 1935, Serial No. 55,236
8 Claims. (Cl. 301—5)

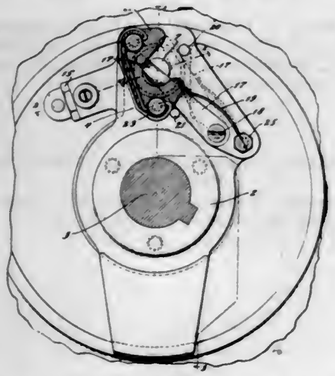
1. A wheel balancing device for an automobile wheel having a rim, tire retaining flange, and a pneumatic tire, said device including a clip and a weight, said clip comprising a flange gripping portion having an aperture therethrough, and a weight gripping portion, said flange gripping portion being adapted to hold said clip on said flange and said weight gripping portion being adapted to independently secure said weight onto said

clip, said aperture portion with said device ap-



plied being disposed over a portion of said flange normally engaged by the side wall of the tire.

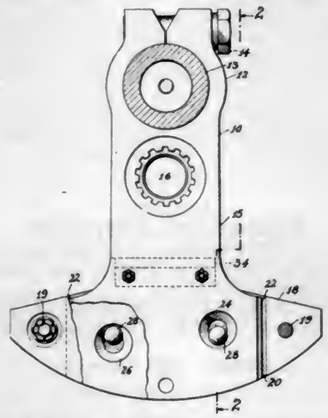
2,137,417
OVERLOAD SAFETY DEVICE
William E. Schaefer, West Hartford, Conn., assignor to The Whitney Chain & Mfg. Company, Hartford, Conn., a corporation of Connecticut
Application December 17, 1936, Serial No. 116,291
2 Claims. (Cl. 192—56)



1. In combination, rotary driven and driving elements, a driving connection between said elements comprising a pin slidably mounted on one of said elements and having a tapered end normally received in a tapered recess in the other of said elements and adapted to be cammed out of said recess upon exertion of an overload on the pin, a stop in position to prevent said camming of the pin out of said recess when the elements are stationary and movable out of said position only when said elements have attained a predetermined speed of rotation, said position of the stop permitting limited movement of the pin in the recess when starting torque is applied thereto, said pin having a cam surface, and a cam member spring-pressed against said surface and resisting said limited movement of the pin and to tend to return the pin into engagement with the walls of the recess.

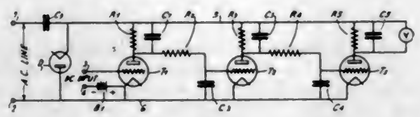
2,137,418
DYNAMIC DAMPER
Charles M. Shay, Hawthorne, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application January 9, 1937, Serial No. 119,730
14 Claims. (Cl. 74—604)

1. In a pendulum type torsion equalizer for an engine crank-shaft, a crank extension having spaced pairs of substantially frusto-conical recesses, the recesses of each pair being formed opposite one another on the faces of said extension, a counterweight embracing said extension and having frusto-conical recesses, one substantially opposite each said extension recess, and spherical elements respectively contacting the oppo-



site conical surfaces of respective recesses in said counterweight and extension.

2,137,419
AMPLIFIER CIRCUIT
Francis H. Shepard, Jr., Rutherford, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 28, 1934, Serial No. 727,968
10 Claims. (Cl. 179—171)

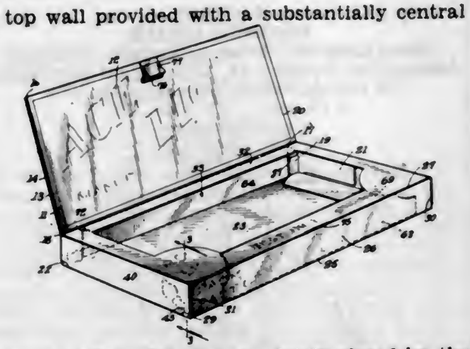


1. In an alternating current operated direct current amplifier, an electronic tube including an anode, a cathode and a grid electrode, a source of alternating current energy including a pair of line conductors, a connection including a resistor element between one of said conductors and the anode of said tube, a connection between the cathode and the other line conductor, an input circuit for said tube including said grid electrode and the cathode, a capacitive impedance shunted across said resistor element and a filter circuit comprising an impedance device and a condenser connected between the anode of said tube and the cathode.

2,137,420
COMBINED DISPLAY AND SHIPPING BOX
Meyer M. Soybel, Brooklyn, N. Y., assignor to International Folding Paper Box Co., Inc., North Bergen, N. J., a corporation of New Jersey
Application October 8, 1936, Serial No. 104,567
4 Claims. (Cl. 206—44)

3. In a one-piece combined display and shipping box, a cover part folded on itself to provide two adhering thicknesses of material and coextensive with the container part, a container part hinged integrally at its rear edge to the lower edge of the cover part, a score line between said parts of sufficient depth to permit said cover part to be sustained solely by gravity in a backwardly inclined display position under the weight put upon the outer thickness of said cover by the adhering inner thickness, said container part having

a top wall provided with a substantially central



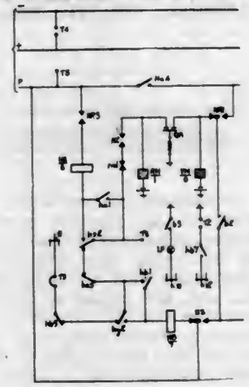
opening, adapted to be completely closed by the cover when moved from its display position.

2,137,421
SKIMMING DEVICE FOR SETTLING TANKS
Marcus B. Tark, Philadelphia, Pa., assignor to Link Belt Company, Chicago, Ill., a corporation of Illinois
Application June 13, 1935, Serial No. 26,361
25 Claims. (Cl. 210—3)



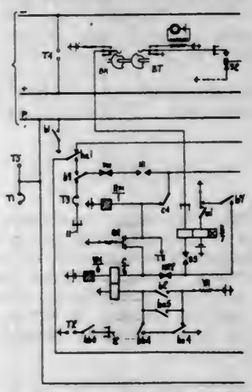
6. In a sedimentation chamber, a scum trough, a main scum skimming conveyor adapted to continuously propel scum toward and terminating short of the trough, an auxiliary scum conveyor within said chamber in interlocking relationship with the main conveyor and adapted to receive the scum before it leaves the influence of the main conveyor and propel it toward and into the trough.

2,137,422
AUTOMATIC SWITCH
Reginald Taylor, Liverpool, England, and George Thomas Baker, Caerphilly, Wales, assignors to Associated Telephone and Telegraph Company, Chicago, Ill., a corporation of Delaware
Application October 12, 1935, Serial No. 44,768
In Great Britain November 3, 1934
16 Claims. (Cl. 179—18)



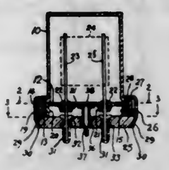
1. In an automatic switch arranged to be driven over outlets responsive to the closure of a driving circuit, a combined test and guard relay effective to test for idle-indicating potential on the test conductor of an idle outlet, contacts on said relay closed when the relay energizes over the test conductor of an idle outlet for closing a low-resistance guarding circuit through a winding of the relay to apply guarding potential to the test conductor of the outlet, a switching-through relay, and additional contacts on the combined test and guard relay for opening the driving circuit and for energizing the switching-through relay.

2,137,423
AUTOMATIC SWITCH
Reginald Taylor, Liverpool, England, and George Thomas Baker, Caerphilly, Wales, assignors to Associated Telephone and Telegraph Company, Chicago, Ill., a corporation of Delaware
Application October 31, 1935, Serial No. 47,538
In Great Britain November 23, 1934
8 Claims. (Cl. 179—18)



1. In a selector switch, a driving magnet, a circuit for operating said magnet to advance the switch wipers in search of an idle trunk, a test relay maintained energized over the test contacts of busy trunks and deenergized only when an idle trunk is reached, contacts on said relay for holding the circuit of the driving magnet closed while the relay is energized and for opening it to stop the switch when the relay deenergizes, and contacts on said relay closed by the deenergization thereof for placing a busy potential on the test contact of the selected trunk.

2,137,424
ELECTRON TUBE
Adolph A. Thomas, New York, N. Y., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application October 20, 1936, Serial No. 106,503
13 Claims. (Cl. 250—27.5)



3. An electron tube having a gas-tight envelope consisting of a metal shell and a metal disk integrally united by a glass seal, cooperating

means on the united glass and metal surfaces for mechanically locking the shell and disk together against axial displacement, said locking means being in addition to the adhesion of the united surfaces, and an electrode assembly in said envelope.

2,137,425
WINDOW
Andrew C. Thompson, Miami Beach, Fla.
Application December 10, 1936, Serial No. 115,256
20 Claims. (Cl. 189—69)



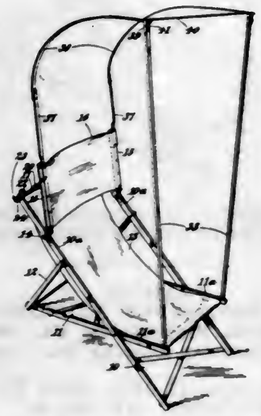
1. An actuating means for a window comprising a plurality of horizontally pivoted window sections, consisting of a common actuating bar pivotally connected to said sections, and means for actuating said bar comprising a worm gear to which the bar is pivoted, a worm engaging said worm gear and manually operable means for actuating the worm.

2,137,426
WINDOW CONSTRUCTION
Andrew C. Thompson, Miami Beach, Fla.
Application January 8, 1937, Serial No. 119,676
14 Claims. (Cl. 189—69)



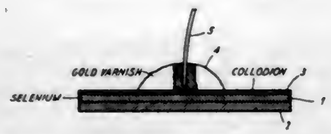
1. A window of the character described comprising a plurality of rocking transverse bars and panes free along three of their edges and supported in said transverse bars wholly along their remaining edge.

2,137,427
FOLDING CHAIR
Roy Campbell Thomson, London, England
Application January 28, 1937, Serial No. 122,752
In Great Britain February 21, 1936
7 Claims. (Cl. 155—177)



1. In a chair, the combination with a chair frame, of a head-rest comprising side-supports, a flexible rest member extending between and carried by said side-supports, means for hinging said side-supports on the chair frame, two struts pivotally mounted at their forward ends one on each of said side-supports, a cross link pivotally connecting the said struts intermediate their ends, engaging means on the outer sides of the rear ends of said struts, co-operating engaging means on said chair frame engaging said means on the struts, whereby pressure applied to the flexible rest member spreads the rear ends of the struts apart to bring the engaging means thereon into engagement with the co-operating engaging means on the chair frame.

2,137,428
ELECTRODE SYSTEM OF UNSYMMETRICAL CONDUCTIVITY
Willem Christiaan van Geel and Hendrik Emmens, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application March 4, 1936, Serial No. 67,053
In Germany March 11, 1935
7 Claims. (Cl. 175—366)



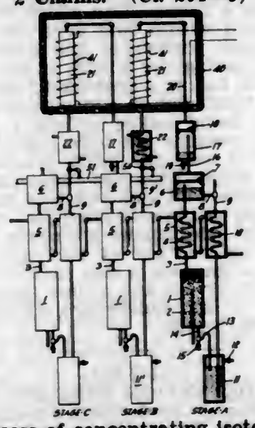
2. In an unsymmetrical conductor device an electrode composed of selenium mixed with at least one of the inorganic metallic compounds in the group including the sulphides of lead, copper and antimony; the nitrides of zirconium and titanium; and, the oxides of vanadium and cobalt, to increase the conductivity of the selenium, a second electrode composed of gold varnish adjacent the first named electrode, said two electrodes being separated by a layer of insulating material.

2,137,429
MONEY CARRIER
Walter Christian Voss, The Hague, Netherlands
Application October 12, 1935, Serial No. 44,780
1 Claim. (Cl. 150—37)



A money holder to be carried in the pocket or purse, said holder comprising a coil spring the coils of which are disposed relative to each other to receive and clamp money therebetween, and elements carried by said spring at the ends thereof for finger engagement to bow said spring to spread apart the coils thereof for insertion of money therebetween, said elements being disposed approximately within the limits of a continuation of the periphery of the spring and substantially in a common plane parallel to the axis of the spring, whereby they do not interfere with insertion and removal of the holder into and from a pocket or purse and do not cause discomfort to the user of the holder when the latter is carried in the pocket.

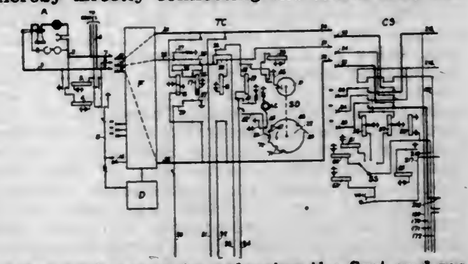
2,137,430
PROCESS FOR THE CONCENTRATION OF ISOTOPES
Wells A. Webb, Berkeley, Calif.
Application May 15, 1934, Serial No. 725,711
2 Claims. (Cl. 204—9)



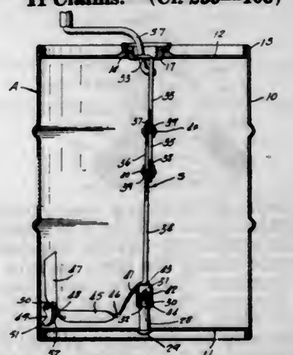
1. A process of concentrating isotopes by electrolysis comprising the steps of simultaneously decomposing a plurality of batches of material of differing isotope concentration, recombining the decomposition products of one of said batches to form material of different isotope concentration than the batch from which said products were derived, and introducing said recombined decomposition products into another of said batches having an isotope concentration substantially equal to that of the said recombined products, such introduction being effected while the batch into which the introduction is effected is undergoing decomposition.

2,137,431
AUTOMATIC TELEPHONE SYSTEM
Bernard D. Willis, Oak Park, Ill., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application October 7, 1935, Serial No. 43,903
17 Claims. (Cl. 179—18)

1. In a telephone system, means including a finder, a first selector, a second selector, and a connector for extending a call from a calling line to a called line, a confluence switch for bypassing both the first and second selectors, thereby directly connecting the finder and connector, and means for releasing the first and second selectors while the calling and called lines are maintained in talking relation through the finder, the confluence switch and the connector.

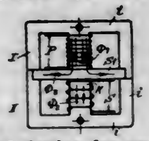


2,137,432
AGITATOR FOR PAINT DRUMS AND THE LIKE
Ronald M. Wilson, Philadelphia, and Joseph Holt Ingraham, Wayne, Pa.; said Wilson assignor to said Ingraham
Application February 7, 1936, Serial No. 62,768
11 Claims. (Cl. 259—108)



1. In combination with a drum having a cylindrical wall, a bottom, and a stud upstanding from the bottom and located centrally thereof, said stud being formed with a reduced portion intermediate the ends thereof, the upper extremity of said stud being threaded, an agitator in the drum including a central drive shaft which carries at its lower end a threaded sleeve, the threads on said sleeve being disposed about the reduced portion of the stud when the parts are in assembled position.

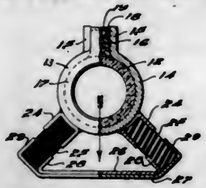
2,137,433
CONTROL DEVICE FOR ELECTRIC TRANSFORMERS
Emil Wirz, Neuenstadt, Bern, Switzerland
Application January 25, 1935, Serial No. 3,507. Renewed April 20, 1938. In Switzerland February 6, 1934
4 Claims. (Cl. 171—119)



1. In a control device for protecting the windings of electric transformers against overload, in

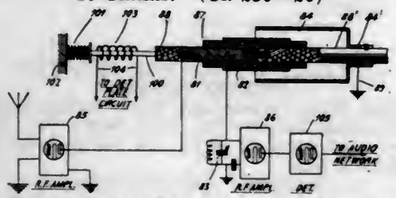
combination, an iron body of the transformer, a core and two mating legged yokes comprised by said body, said yokes adjoining each other at the outer ends of their legs and holding said core to extend longitudinally of said legs centrally between the latter, said core and yokes of said body being of a shape to provide a shell type transformer, tenons provided at said adjoining outer ends of said legs, a primary and a secondary transformer winding arranged on said core side by side and separated by an intervening space, a magnetic leakage conducting control member extending transversely of said core through said space and magnetically interconnecting said core with said legs, said control member comprising rectangular collateral plate elements each mortised into a correlated leg element of said body so as to be prevented from sideward displacement relative to said legs without the aid of fastening means, the cross-section of said control member being smaller than that of said core.

2,137,434
BEARING AND SUPPORT
Edward L. Wood, Detroit, Mich., assignor to Gar Wood Industries, Inc., a corporation of Michigan
Application June 26, 1936, Serial No. 87,344
6 Claims. (Cl. 308—26)



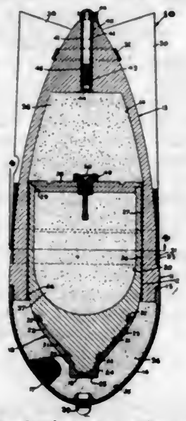
3. The combination with a sleeve bearing having an uninterrupted wall, of a support therefor made of strap material having the central portion of arcuate shape, the inner surface of which is of less diameter than the outer diameter of the sleeve bearing, the ends of the strap being projected to form means whereby the arcuate body portion may be spread to permit the insertion and removal of the bearing, and a lubricating pad disposed between said projecting ends.

2,137,435
VOLUME CONTROL DEVICE
Jacob Yolles, Bronx, N. Y., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application April 18, 1934, Serial No. 721,136
10 Claims. (Cl. 250—20)



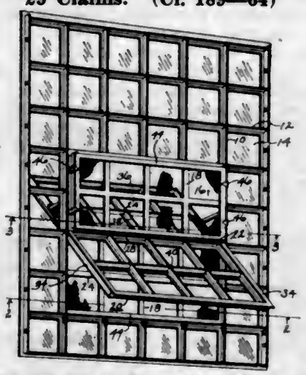
8. In a radio receiving system, a signal carrier energy exciting circuit, a signal energy utilizing circuit, one of said circuits being tuned to said carrier energy means comprising a variable capacity for coupling said two circuits, means for maintaining said tuning substantially independent of variations in said capacity, and means responsive to amplitude variations of the signal carrier energy for varying said coupling.

2,137,436
EXPLOSIVE DEVICE
George E. Barnhart, Pasadena, Calif.
Application April 30, 1937, Serial No. 139,966
1 Claim. (Cl. 102—2)



In an explosive device, an outer one-piece shell comprising a body the outer surface of which tapers rearwardly, said body having a cylindrical bore therein, a hollow armor piercing projectile including a rear portion which is cylindrical and positioned within said bore, the length of the cylindrical portion of the projectile substantially equalling the length of the shell bore, said projectile having a nose, said nose projecting beyond the front end of said bore, the rear end of said shell being hollow to form a chamber, a grooved cap engaging the front end of said shell, the interior of said cap being spaced from the nose of said projectile, a cap disrupting explosive charge between said cap and said nose, a propelling charge within said chamber, an explosive charge within said hollow projectile, an impact fuse at the forward end of said cap, an inertia impact fuse at the rear of said chamber and communicating therewith and a time fuse positioned in the rear of said hollow projectile and communicating therewith.

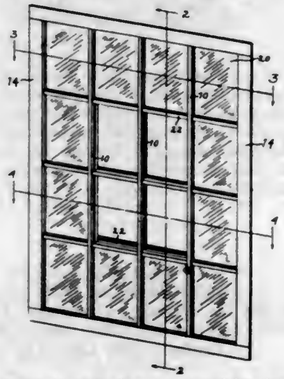
2,137,437
DETENTION WINDOW
William D. Bayley, Springfield, Ohio, assignor to The William Bayley Company, Springfield, Ohio, a corporation of Ohio
Application March 28, 1935, Serial No. 13,456
25 Claims. (Cl. 189—64)



1. A detention window assembly including a plurality of transversely arranged muntin bars

dividing the window into a plurality of spaces, some of which are glazed leaving a space vacant for ventilating area, a closure for the ventilating area pivotably mounted for swinging movement into opposite directions, whereby the portion of the closure located on one side of the pivot swings inwardly and the other portion located on the other side of the pivot swings outwardly, externally mounted detention bars placed over the portion of the area closed by the inwardly swinging portion of the closure, internally mounted detention bars located over the remainder of the ventilating area, and a pair of screens insertable from the same side, one of which is located intermediate the detention bars and the closure and the other extending over the remaining portion of the ventilating area, whereby the corresponding detention bars extend between the closure and said other screen.

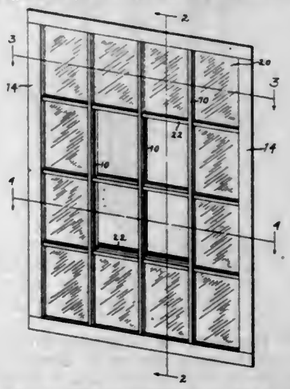
2,137,438
WINDOW ASSEMBLY
William D. Bayley, Springfield, Ohio
Application June 1, 1936, Serial No. 82,847
11 Claims. (Cl. 189—64)



1. A detention window assembly including a plurality of transversely arranged muntin bars dividing the window into a plurality of spaces, some of said muntin bars having eyes which receive other of said bars, duo-functional key and detention bars extending through the eyes in parallel relation to said other bars for preventing removal thereof, and detention bars extending parallel to the eye bars and in spaced relation therefrom for preventing the escape of a human body through the window assembly, said detention bars being fixedly attached to at least some of the muntin bars.

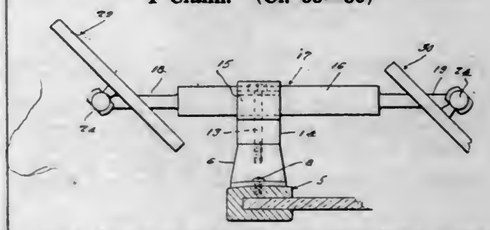
2,137,439
WINDOW ASSEMBLY
William D. Bayley, Springfield, Ohio
Application October 25, 1937, Serial No. 170,873
24 Claims. (Cl. 189—64)

1. A detention window assembly including a plurality of transversely arranged muntin bars dividing the window into a plurality of spaces, some of said spaces being glazed leaving at least one space larger than one of said glazed spaces vacant for a ventilating area, the muntin bars aligned with the ventilating area terminating at the boundary thereof, some of said muntin bars consitituting needle bars extending through eyes of the remaining bars, duo-functional key and detention bars arranged in parallel relation with respect to the needle bars and extending through the eyes of the remaining bars to interlock the bars in a fixed relation with respect to each other, said duo-functional bars extending across the ventilating area, additional detention means ex-



tending across the ventilating area cooperating with the duo-functional bars to prevent the escape of a human being therethrough, and tool resistant means associated with the eye bars to prevent the severance thereof.

2,137,440
FRONT-VIEW MIRROR DEVICE
Arie Boeve, Hull, Iowa
Application April 26, 1937, Serial No. 139,058
1 Claim. (Cl. 88—86)

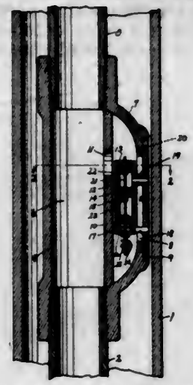


In a device of the character described, a plate adapted to be fastened to a windshield frame, a tapered boss on said plate, a clamping bracket comprising an apertured shank portion, a substantially circular spring portion on one end thereof, an apertured ear portion extending from said circular spring portion in alignment with said apertured shank portion, a U-shaped bar mounted in said circular spring portion, a screw threaded member adapted to be passed through said aligned apertured ear and shank portions and threaded into said boss for securing and holding the U-shaped bar and clamping bracket in adjusted position on said tapered boss, and clamping fingers secured to the ends of said U-shaped bar for supporting and holding in adjusted position a pair of coacting mirrors.

2,137,441
GAS LIFT VALVE
Thomas E. Bryan, Oklahoma City, Okla.
Application October 3, 1936, Serial No. 103,824
17 Claims. (Cl. 103—232)

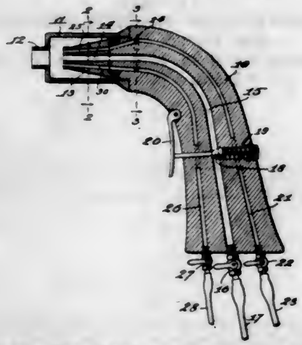
1. In a valve of the character set forth, a hollow body having a plurality of valve seats therein, and having an inlet opening between said valve seats, a valve rod extending therethrough, valve elements on said valve rod adapted to seat upon said seats, respectively, and adjustable tensioned

means connected with said valve rod to con-



stantly urge the same in a direction to move said valve elements away from their seats.

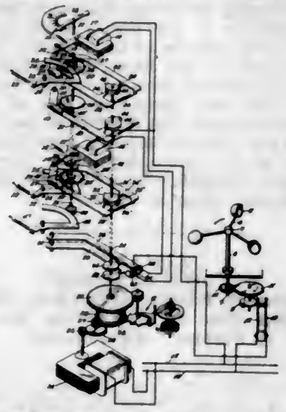
2,137,442
METHOD OF SPRAYING MOLTEN PULVERIZED QUARTZ OR ENAMEL MIXTURES
Earl F. Callan, Glendale, Calif.
Application September 27, 1935, Serial No. 42,428
1 Claim. (Cl. 91—70)



The herein described method of spraying molten pulverized coating mixtures which consist in producing a substantially circular blow-flame within a chamber having an outlet opening directly in front of and in alignment with said flame, causing the pulverized coating mixture to flow axially through the circular blow-flame so that it is preheated by the heat developed by said blow-flame within said chamber, causing the pre-heated pulverized mixture to flow with the circular blow-flame through the chamber toward the outlet opening, so as to melt said pulverized coating mixture and causing the same in molten condition and said circular flame to discharge through said outlet opening so that the molten mixture is delivered directly onto the surface to be coated.

2,137,443
SHAFT SPEED INDICATOR
Ralph R. Chappell, Richmond, Va., and Rutger B. Colt, Baltimore, Md., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application May 16, 1936, Serial No. 80,208
9 Claims. (Cl. 235—104)

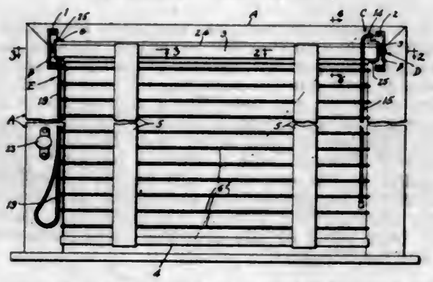
1. In apparatus of the class described, totalizing mechanism including an indicating element, a pair of electromagnets for actuating said element in one direction and means normally holding said element against movement in the other direction, a source of electric energy, means for alternately and periodically connecting said electromagnets in circuit with said source for time intervals of predetermined duration, means for opening and closing said circuit to intermittently



energize said electro-magnets, a rotatable member for controlling said last named means in accordance with the number of revolutions made by said member, means for periodically releasing said holding means, and means for holding said indicating element at the position to which it has been actuated by one of said electro-magnets while the other of said electro-magnets is actuated.

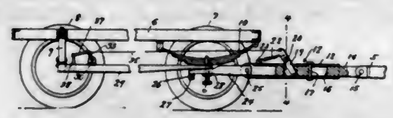
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*2,137,444
VENETIAN BLIND
Charles E. Clancy, Glendale, Calif.
Application August 18, 1936, Serial No. 96,649
2 Claims. (Cl. 156—17)



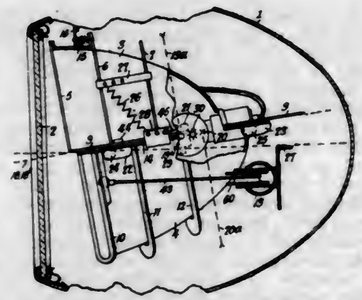
1. In a Venetian blind, brackets therefor, a head rail tiltably supported by said brackets, a foot rail, a Venetian blind structure supported by and between said rails, means carried entirely by said head rail for tilting said head rail, said means for tilting said head rail including an upstanding lug on said head rail and a flexible operating element secured to and depending from opposite sides of said head rail, and means for releasably holding said head rail in tilted position including a headed trunnion on said head rail, one of said brackets having a slot receiving said trunnion, a spring member fixed between its ends to said trunnion and having its free ends outwardly offset, and a similarly outwardly offset portion on said bracket on opposite sides of said slot for frictional contact with said ends of said spring member.

2,137,445
TRAILER HITCH AND BRAKE OPERATOR
J. T. Davidson, Etowah, Ark.
Application February 8, 1938, Serial No. 189,461
1 Claim. (Cl. 188—142)



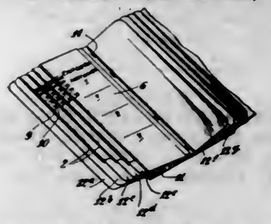
In combination with a trailer having front and rear wheels, brake means for the rear wheels and steering mechanism for the front wheels including a tie rod, a longitudinally extending arm pivotally supported intermediate its ends on the front axle of the trailer, means for connecting the rear end of the arm to the tie rod, an elongated barrel of non-circular shape in cross section having its rear end pivoted by a horizontal pivot to the front end of the arm, a drawbar slidably arranged in the barrel and having a pair of slots therein, a pin passing through the barrel and through one of the slots, the top part of the barrel having a slot therein, ears on the barrel, one on each side of the slot therein, a finger pivoted between the ears and passing through the slot in the barrel into the second slot of the drawbar, a spring connected with the upper part of the finger and to the rear part of the barrel and a member connected with the upper end of the finger and leading to the rear brake means for applying the brakes when the barrel and drawbar are moved relative to each other which results in movement of the finger.

2,137,446
VEHICLE HEAD LAMP
Charles Fernand Despatures, Tournai, Belgium
Application June 19, 1936, Serial No. 86,158
In Belgium July 12, 1935
4 Claims. (Cl. 240—41.6)



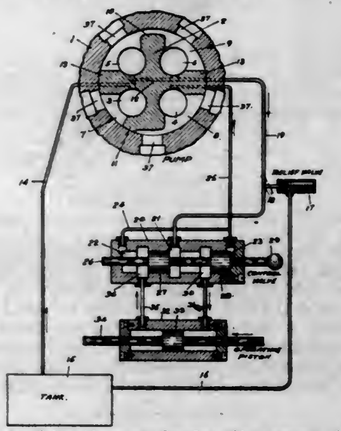
1. A vehicle headlamp comprising a reflector of substantially paraboloid form divided at about a horizontal axial plane into upper and lower halves, lighting means having a first filament and a second filament, said first filament being located approximately at the focus of the paraboloid, means operative to displace the lower reflector half to bring its focus beyond the second filament in relation to the focus of the upper reflector half, the said means also being operative to dip the two reflector halves together, and a change-over switch operatively connected to said displacing means to disconnect the first filament from its source of supply and connect the second thereto.

2,137,447
EDUCATIONAL DEVICE
Arthur C. Ellis, New York, N. Y.
Application June 5, 1937, Serial No. 146,535
2 Claims. (Cl. 35—48)



1. In combination, a supporting base, a plurality of holders secured at one edge to said base in overlapping relation, each holder being provided with a hinge permitting the holders to overlap in the reverse direction, a plurality of pieces of folded sheet material overlying a plurality of said holders with the fold adjacent a free edge of said holder, a plurality of indicia on said sheet material identically spaced on each piece and adjacent the folded edge of said folded sheet, said indicia occupying two vertical columns on each side of said fold and being of substantially the same width as the overlap in the holders, whereby the columns of indicia on one side of the fold may be exposed in adjacent relation when the holders overlap in one direction, and the columns of indicia on the other side of the fold may be similarly exposed when said holders with the sheet materials are overlapping in the reverse direction to permit inspection of said indicia.

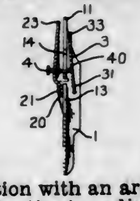
2,137,448
HYDRAULIC PUMP FOR MACHINE TOOL DRIVES
Walter Ernst, Mount Gilead, Ohio, assignor, by mesne assignments, to The Hydraulic Press Corporation, Inc., Wilmington, Del., a corporation of Delaware
Application August 3, 1934, Serial No. 738,320
9 Claims. (Cl. 60—52)



1. In combination, a hydraulic pump having pumping means therein and a pintle with an outlet port and two inlet ports, a hydraulic motor having its opposite fluid connections to said outlet port and to one of said inlet ports respectively, a source of working fluid connected to the other of said inlet ports, the discharge capacity of the pumping means connected to said outlet port be-

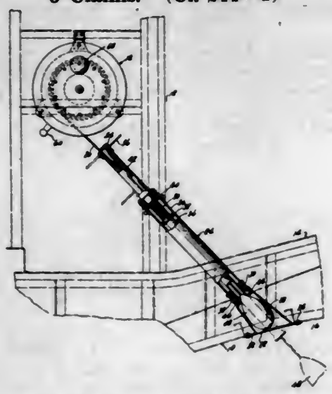
ing greater than the intake capacity of the pumping means connected to said first-mentioned inlet port, whereby said pump will tend to supply a greater amount of fluid to one side of said motor than is withdrawn from the other side thereof, and relief means connected to discharge the excess fluid from said outlet port.

2,137,449
ADJUSTABLE FEEDER FOR PENS
Ross F. George, Seattle, Wash.
Application March 8, 1937, Serial No. 129,531
17 Claims. (Cl. 120—114)



1. In combination with an artist's pen, a feeder disposed with its tip in adjacent relationship to the pen's tip to provide a capillary channel for the ink, and means to vary the spacing of said tips and substantially to maintain such spacing, to accommodate such channel to inks of different body.

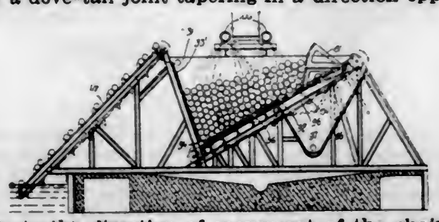
2,137,450
ANTENNA FAIR-LEAD
Albert A. Green, Bridgeport, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application April 7, 1937, Serial No. 135,470
8 Claims. (Cl. 244—1)



1. In combination with an airplane and a radio antenna extendible through a portion of the surface of said airplane, and provided with a weight at the end thereof, guide means for said antenna providing a water-tight connection between said guide means and the surface of said airplane, and means providing a water-tight connection between said guide means and said weight.

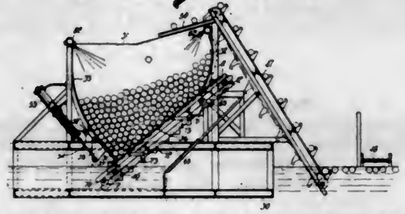
2,137,451
APPARATUS FOR BARKING WOOD
Tor Ove Hillbom, Karlshall, Lulea, Sweden
Application April 23, 1936, Serial No. 76,073
In Sweden May 21, 1935
12 Claims. (Cl. 144—208)

1. An apparatus for barking wood such as lumber, logs and the like, comprising a container in which the logs or the like are adapted to be piled on one another in parallel relation, said container having an inclined bottom wall, a plurality of chains arranged along said wall for moving the logs upwardly along said wall, impellers movable with said chain, a lining fixed to said impellers by a dove-tail joint tapering in a direction oppo-



site to the direction of movement of the chains, said impellers imparting a motion to said logs in a direction substantially perpendicular to the inclined wall, thereby causing rolling of the logs and rubbing of the same against one another and forcing the logs to move in a substantially orbital path within the container.

2,137,452
APPARATUS FOR BARKING WOOD
Tor Ove Hillbom, Karlshall, Lulea, Sweden
Original application April 23, 1936, Serial No. 76,073. Divided and this application April 28, 1937, Serial No. 139,600. In Sweden May 21, 1935
10 Claims. (Cl. 144—208)

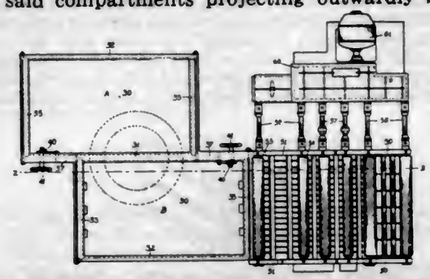


1. An apparatus for barking wood such as logs and the like, comprising a container in which the logs or the like are adapted to be piled on one another in parallel relation, a plurality of movable members arranged along an inclined path and adapted to move the logs upwardly along said path and to maintain them in their parallel relationship during such movement, impellers arranged on said movable members and movable therewith for imparting a motion to said logs in a direction substantially perpendicular to said inclined path, thereby causing rolling of the logs and rubbing of the same against one another and forcing the logs to circulate within the container, said movable members being spaced from one another and a plurality of log supporting bars arranged between said movable members, said supporting bars being adjustable relatively to said movable members for controlling the engagement of the movable members with the logs.

2,137,453
APPARATUS FOR FEEDING METAL SHEETS
Leif Lee, Youngstown, Ohio; Halfdan Lee, executor of the estate of said Leif Lee, deceased
Application July 29, 1937, Serial No. 156,365
10 Claims. (Cl. 271—9)

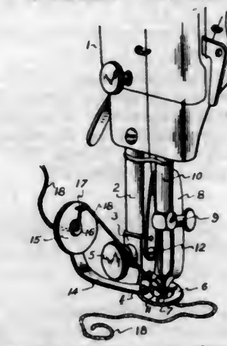
1. A sheet transfer device comprising two adjacent mechanically connected compartments for the support of a plurality of sheets, the arrangement being such that one of said compartments

may be loaded while the other of said compartments is being emptied, the forward end of each of said compartments projecting outwardly be-



yond the other of said compartments, and means for moving said compartments to interchanged positions.

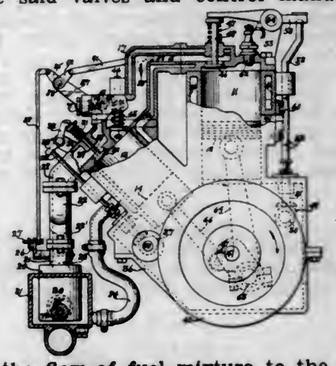
2,137,454
EMBROIDERING ATTACHMENT
Doris Litsey, Dallas, Tex.
Application October 4, 1937, Serial No. 167,251
3 Claims. (Cl. 112—101)



1. An embroidering attachment for a sewing machine comprising in combination with the needle bar of said machine, a presser-foot for attachment to the presser-foot bar of the said sewing machine, a V-shaped retainer positioned across the said presser-foot, reciprocating guide means actuated by the needle bar of the said machine, and means mounted on the said presser-foot for twisting and preparing the thread to be sewed for the stitching operation.

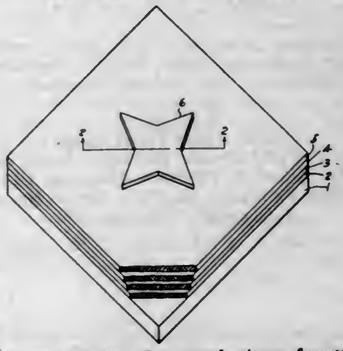
2,137,455
INTERNAL COMBUSTION ENGINE
Pietro Maniscalco, Toledo, Ohio
Original application January 11, 1937, Serial No. 120,021. Divided and this application July 14, 1937, Serial No. 153,582
3 Claims. (Cl. 123—72)

1. In an internal combustion engine, a plurality of combustion cylinders and a supercharging cylinder for each, a charge storing and conveying chamber connecting a combustion cylinder with its supercharging cylinder, a rotary valve in each chamber for controlling the flow of fuel mixture therethru to the combustion cylinder, a carburetor and an intake manifold connecting it with the several supercharging cylinders, a valve on the carburetor provided with means for manually operating it to control the flow of fuel mixture therefrom to the intake manifold, a rocker shaft on the engine and also arm and link means operatively connecting it with the several chamber valves, and means connecting said rocker shaft with the carburetor valve and its operating means, whereby to synchronize said valves and control manually in



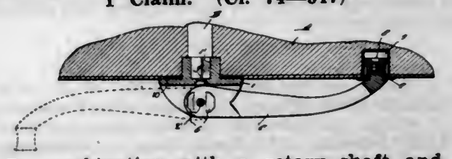
unison the flow of fuel mixture to the several supercharging cylinders and also therefrom to the combustion cylinders.

2,137,456
CONVERTIBLE COLOR TRANSFER
Max J. Palm, Jr., Cincinnati, Ohio, assignor to The Palm Bros. Decalcomania Co., Cincinnati, Ohio, a corporation of Ohio
Application December 7, 1934, Serial No. 756,484
10 Claims. (Cl. 41—33)



1. A new article of manufacture for use as a decalcomania comprising layers of printing ink to form the decalcomania, and an area of a thermal color which will change its color upon the application of heat.

2,137,457
FOLDING HANDLE
Joseph M. Pattcy, Poughkeepsie, N. Y., assignor of thirty-five per cent to Clarence T. Kilmer, Poughkeepsie, N. Y.
Application May 7, 1937, Serial No. 141,335
1 Claim. (Cl. 74—547)



In combination with a rotary shaft and a member in which the shaft rotates, a bracket member connected with one end of the shaft and provided with a pair of spaced ears, one ear having a recess in its inner face, an elongated handle member having one end arranged between the ears, a pivot pin passing through the ears

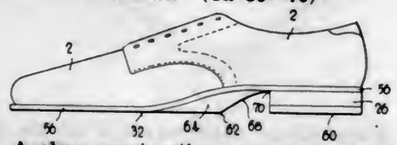
and said end of the handle, a curved spring plate located in the recess and through which the pivot pin passes, the pivoted end of the handle member having a pair of recesses therein between which the pivot pin passes for receiving a portion of the spring plate to hold the handle in either one of two positions, a rotary hand engaging part extending at substantially right angles from the free end of the handle member and an arcuate socket member receiving the hand engaging part when the handle is in inoperative position.

2,137,458
PAN LIFTER
Letha L. Phelps, Spokane, Wash.
Application February 21, 1938, Serial No. 191,653
5 Claims. (Cl. 294—2)



1. In a pan lifter, a longitudinally extending spatulate blade, an offset handle therefor, and a hook formed in the end of the blade.

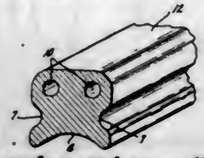
2,137,459
SHOE CONSTRUCTION
Anthony E. Piekenbrock, Dubuque, Iowa, assignor to Albert F. Pfiffner, Chicago, Ill.
Application February 25, 1937, Serial No. 127,749
7 Claims. (Cl. 36—76)



1. A shoe construction comprising an inner sole having a shank portion, means on said inner sole adjacent the edge thereof and projecting downwardly therefrom, a lining, a counter, an upper and a welting, means for securing said lining, counter, upper and welting to said first means, an arch-supporting insert of solid and rigid material secured to said inner sole and rigidly supporting said shank portion, said insert having outwardly projecting portions for supporting said first means, said lining, counter, upper, and welting and said securing means, and an outer sole secured to said welting and enclosing said insert.

2,137,460
TACKING STRIP
James S. Reid, Shaker Heights, Ohio, assignor, by mesne assignments, to The Standard Products Company, Cleveland, Ohio, a corporation of Ohio
Application February 28, 1936, Serial No. 66,183
5 Claims. (Cl. 189—40)

1. A tack strip formed of tack-retaining composition and being of uniform generally rectangular cross section throughout its length, thereby forming top, bottom and side surfaces, the top of said strip being substantially flat to form a tack-receiving surface, the sides of said strip between the bottom and top portions having longitudinally extending grooves to provide generally rounded corners between the sides and the top of said strip, and the bottom having a longitudinal groove which extends upwardly from the bottom corner portions forming a substantially con-



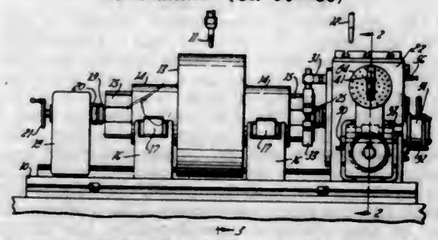
cave bottom surface and generally rounded corners between the bottom and side surfaces, the grooves in the sides being relatively narrow with respect to the groove in the bottom and being located at such a distance below the top that they do not weaken the upper portion of the strip in which the thicker portions of the tacks are embedded, and the depth of said strip being such that tacks driven through the upper portion of said strip do not extend into the lower groove.

2,137,461
GLARE SHIELD
Lloyd R. Rhein, Pleasant Ridge, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application March 2, 1937, Serial No. 128,664
7 Claims. (Cl. 296—97)



1. In a glareshield assembly, a shield, a hinge member secured to said shield comprising a hinge member having a plurality of spring knuckles normally offset and a rod passing through said knuckles and holding the same in longitudinal alignment whereby said knuckles are tensioned and cooperate with said rod to frictionally hold said shield in whatever position it is swung about said rod.

2,137,462
INDEX HEAD
Millard Romaine, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application November 29, 1935, Serial No. 52,045
13 Claims. (Cl. 90—56)



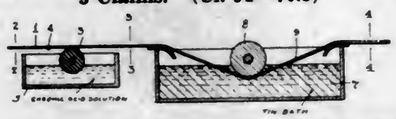
1. In an index head, the combination with a shaft for rotating a work piece, of power operable means for rotating the shaft including a manually operable control mounted on the head,

and means interconnecting the control with said power operable means whereby angular movements of said control will effect through said power operable means predetermined proportionate angular movements of said shaft, and feed-back means from said shaft reacting on said interconnecting means to stop said power operable means after said proportionate movement has been effected.

2,137,463
INK
William H. Shields, Cincinnati, Ohio, assignor to The Palm Bros. Decalcomania Co., Cincinnati, Ohio, a corporation of Ohio
No Drawing. Original application December 7, 1934, Serial No. 756,505. Divided and this application January 20, 1936, Serial No. 59,895
4 Claims. (Cl. 134—29)

4. An anhydrous ink composition which has incorporated therewith a moisture responsive composition consisting of an anhydrous mixture of phenolphthalein and sodium carbonate.

2,137,464
MANUFACTURE OF BONDED AND COATED METALLIC ARTICLES
Carl E. Swartz, Cleveland Heights, and John E. Wilkey, South Euclid, Ohio, assignors to The Cleveland Graphite Bronze Company, Cleveland, Ohio, a corporation of Ohio
Application October 23, 1936, Serial No. 107,226
5 Claims. (Cl. 91—70.3)



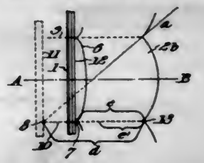
1. In a method of making composite metallic material, the steps of continuously moving a backing metal strip, applying a chromic acid solution to one side only of said strip, and then immersing said strip in a molten bath of coating metal whereby the other side only of said backing strip is coated.

2,137,465
PROCESS OF FINISHING TEXTILES
William J. Thackston, Haddon Heights, N. J., assignor to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application May 11, 1937, Serial No. 141,931
7 Claims. (Cl. 91—68)

4. In a process of finishing a cellulosic textile by the application of a resin, the improvement which comprises incorporating in the finishing bath containing the resin an ammonium salt containing as an N substituent an aliphatic substituent of at least 12 carbon atoms.

2,137,466
PHOTOELECTRIC PHOTOMETER
Hans Ferdinand Tönnies, Grossflottbek, near Hamburg, Germany
Application November 19, 1935, Serial No. 50,596
In Germany June 6, 1933
9 Claims. (Cl. 88—23)

1. In a photometer of the type including a photocell and a galvanometer, the combination with a chamber defined by a substantially tubular wall, a photoelectric cell extending substantially completely across the inner end of the chamber, and a lens at the open front end of said chamber and cooperating with said chamber wall to restrict the angular spread of light rays



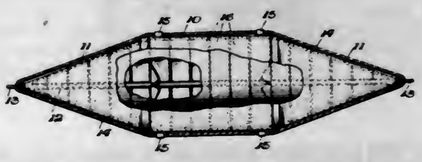
reaching said cell, said chamber having a length substantially less than the focal length of said lens, whereby said photocell is located substantially in front of the focal plane of the lens.

2,137,467
STAPLE STRIP
Rudolf Vogel, Cambridge, Mass.
Application August 20, 1936, Serial No. 96,984
3 Claims. (Cl. 1—56)



1. A staple forming strip comprising a plurality of non-integral straight staple forming pieces arranged in a row, and breakable adhesive means applied as a coating to the leg forming portions only of said staple forming pieces whereby a staple forming piece becomes severed from the adjacent piece in the row through the shearing action of bending the staple legs.

2,137,468
LIFESAVING APPARATUS
Henry W. Walters, Jacksonville, Fla.
Application November 8, 1937, Serial No. 173,492
1 Claim. (Cl. 9—8)

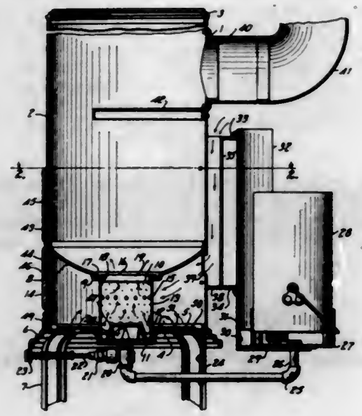


A buoy comprising a body which is hollow and whose walls are impervious to water; and a plurality of buoyant cells substantially completely filling the interior of the body; each of said cells comprising a heavy rubber casing and an inner cell of high grade rubber which is capable of being inflated.

2,137,469
STOVE
Hiram R. Willson, Leavenworth, Kans., assignor to Great Western Stove Company, Leavenworth, Kans., a corporation of Kansas
Application August 10, 1936, Serial No. 95,115
9 Claims. (Cl. 126—93)

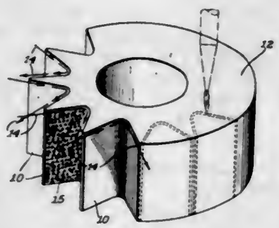
1. A stove of the character described including a shell, an air chamber in the shell, means forming an air supply duct in heating relation with the shell and having connection with the air chamber, brackets carried by the supply duct, a guard supported by the brackets, a fuel

supply tank carried by the guard and shielded from heating effects of the shell by the guard, a



burner in the shell, and means connecting the supply tank with the burner.

2,137,470
PROCESS FOR PRODUCING CUTTING TEETH
John A. Zublin, Los Angeles, Calif.
Application December 6, 1937, Serial No. 178,219
2 Claims. (Cl. 76—108)



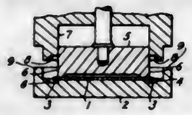
1. The process of producing a cutter for a well drilling bit which comprises preheating a blank; cutting teeth in the periphery of said blank with a flame, one side of each tooth being formed by one cut and the other side of the tooth by a successive cut; and then heat treating said cut blank.

2,137,471
COMPOSITE WELDING ROD
John A. Zublin, Los Angeles, Calif.
Application December 10, 1937, Serial No. 179,136
8 Claims. (Cl. 219—8)

1. A welding rod containing individual hard metallic carbide pieces adapted to be welded to an iron body, each piece being in a substantially pure state, said rod including a substantially pure non-carbon absorbing metal from the iron group free from normal adherence to the carbide pieces and in close proximity thereto to protect the carbide pieces during the welding operation against chemical decomposition or alloying with the iron body by flowing of the non-carbon absorbing metal around the individual carbide pieces.



2,137,472
MOLD FOR THE MANUFACTURE OF ARTICLES OF GLASS IN COMBINATION WITH PLASTIC MATERIALS
Lewis Jex-Blake Forbes, St. Helens, England, assignor to Pilkington Brothers Limited, Liverpool, England, a company registered under the limited-liability acts
Original application February 5, 1936, Serial No. 62,512. Divided and this application September 29, 1937, Serial No. 166,288. In Great Britain February 6, 1935
1 Claim. (Cl. 18—42)

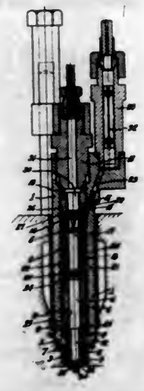


A mold for molding a frame of plastic material embracing the edge of a tempered glass article and round its periphery, comprising a first member having a first surface on which the article is adapted to rest with its edge protruding beyond the surface, a second and forming surface consisting of a hollow below the protruding edge and extending beyond it, and an upstanding wall beyond the second surface and extending above the upper surface of the glass, a second member adapted to press the glass on to the first surface of the first member and forming with the first member a space sufficient to contain the whole quantity of molding powder and substantially larger than the volume of the finished molding, and a third member adapted to enter the space between the second member and the upstanding wall of the first member to compress the molding powder into the finished molding.

2,137,473
FUEL INJECTOR OR ATOMIZER FOR INTERNAL COMBUSTION ENGINES
Thomas Clifford Makins, Lincoln, England, assignor to Ruston & Hornsby, Limited, Lincoln, England
Application February 16, 1938, Serial No. 190,867
In Great Britain December 2, 1936
8 Claims. (Cl. 299—107.6)

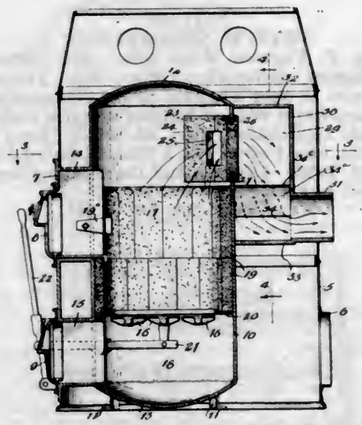
1. An atomizer comprising a casing, a nozzle member and a valve axially movable with respect to said nozzle member, the nozzle member providing a seating for said valve and being mounted in the casing so that during assembly it has freedom of lateral movement to enable the valve to be

properly registered with respect to its seating, and



means for clamping the nozzle member in the position of proper registration.

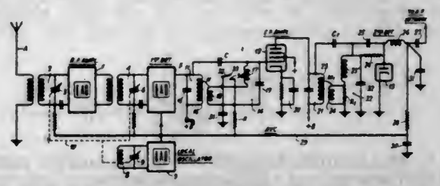
2,137,474
WARM AIR FURNACE
Rudolph W. Menk, Joliet, Ill.
Application November 16, 1935, Serial No. 50,191
3 Claims. (Cl. 126—99)



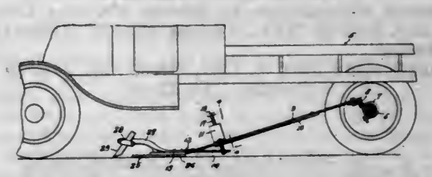
1. A device of the kind described embodying furnace walls providing a combustion chamber, one of said walls having an opening, a radiator communicating with the combustion chamber through said opening, and fire-bricks mounted in and surrounding said opening whereby to provide a heat-retainer body, the top and bottom edges of said bricks provided with seats receiving the wall edges at said opening whereby to mount said bricks and protect the edges of said opening.

2,137,475
SIGNAL SELECTOR CIRCUITS
Garrard Mountjoy, Bayside, Long Island, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 4, 1936, Serial No. 77,655
8 Claims. (Cl. 178—44)

1. In combination, in a signal transmission network, a first pair of parallel tuned circuits, two reactive paths between said circuits including inductive coupling and a series coupling condenser, said paths coupling said pair of circuits in such phase opposition relation that substantially complete rejection is effected of a frequency spaced from the common operating frequency of said pair of circuits by a predetermined frequency value, a second pair of parallel tuned circuits in cascade with said first pair, two reactive paths between said circuits including inductive coupling and a series coupling condenser, said paths coupling said second pair of circuits in phase opposition and to substantially completely reject a frequency on the other side of said operating frequency which is spaced from the latter by said frequency value.

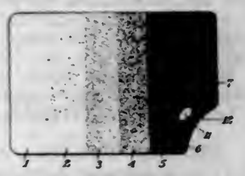


2,137,476
ICE CUTTER
Alva C. Zimmerman, Iowa City, Iowa
Application October 5, 1937, Serial No. 167,444
3 Claims. (Cl. 262—10)



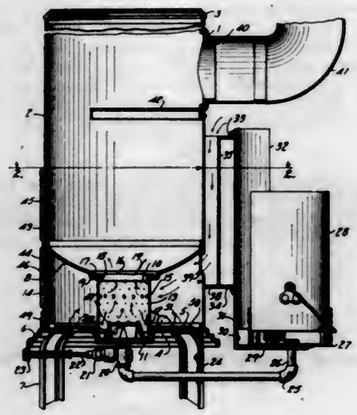
1. An ice remover comprising a vehicle attaching structure, a transversely disposed plate on the attaching structure, and a cutter bar slidably disposed on the plate, and adjusting means between the plate and the vehicle attaching structure, said means consisting of a hinged connection between the vehicle attaching structure and the plate, a member extending from the plate to interlap the vehicle attaching structure, and a screw disposed through the vehicle attaching structure and connected to the said member.

2,137,477
EDUCATIONAL PALETTE OR VALUE CONTROL PALETTE
Hugh De Haven, New Canaan, Conn.
Application February 15, 1936, Serial No. 64,111
20 Claims. (Cl. 41—5)



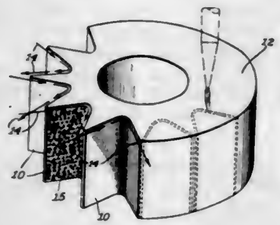
15. An artist's palette comprising a body and a surface resistant to attack by paints placed thereon, said surface presenting to the eye areas of different values forming a value scale whereby deposits of paint may be placed on the surface within said areas and the paint compared as to value.

supply tank carried by the guard and shielded from heating effects of the shell by the guard, a



burner in the shell, and means connecting the supply tank with the burner.

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John A. Zublin, Los Angeles, Calif.
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1. The process of producing a cutter for a well drilling bit which comprises preheating a blank; cutting teeth in the periphery of said blank with a flame, one side of each tooth being formed by one cut and the other side of the tooth by a successive cut; and then heat treating said cut blank.

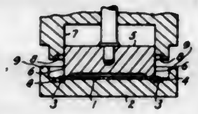
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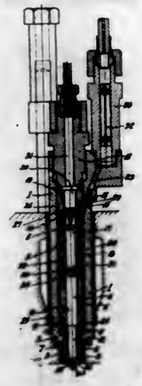


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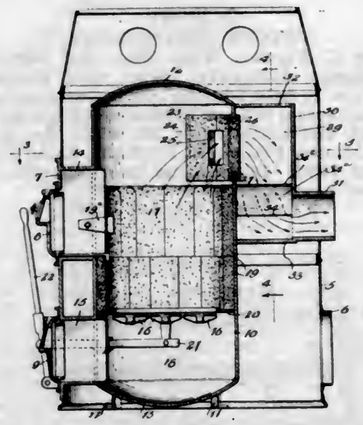
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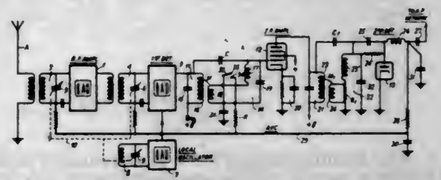
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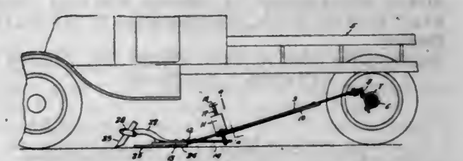
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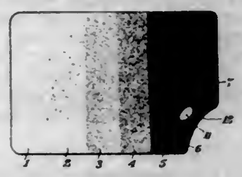


2,137,476
ICE CUTTER
Alva C. Zimmerman, Iowa City, Iowa
Application October 5, 1937, Serial No. 167,444
3 Claims. (Cl. 262—10)



1. An ice remover comprising a vehicle attaching structure, a transversely disposed plate on the attaching structure, and a cutter bar slidably disposed on the plate, and adjusting means between the plate and the vehicle attaching structure, said means consisting of a hinged connection between the vehicle attaching structure and the plate, a member extending from the plate to interlap the vehicle attaching structure, and a screw disposed through the vehicle attaching structure and connected to the said member.

2,137,477
EDUCATIONAL PALETTE OR VALUE CONTROL PALETTE
Hugh De Haven, New Canaan, Conn.
Application February 15, 1936, Serial No. 64,111
20 Claims. (Cl. 41—5)



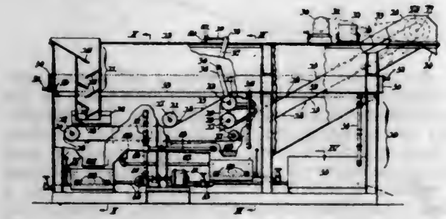
15. An artist's palette comprising a body and a surface resistant to attack by paints placed thereon, said surface presenting to the eye areas of different values forming a value scale whereby deposits of paint may be placed on the surface within said areas and the paint compared as to value.

2,137,478
SHEET MILL PILER
Albanus G. Delany, Gadsden, Ala., assignor, by mesne assignments, to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application April 18, 1936, Serial No. 75,094
19 Claims. (Cl. 271—89)



1. The combination with a piler transfer table, of delivery means to feed sheared sheets onto the piler table, opposed pilers oppositely reciprocable in synchronism toward and from sheets piled on said table, a yieldable drive for actuating said pilers, means responsive to the delivery of sheets for inaugurating the working stroke of the pilers automatically, means to reverse the pilers' drive, and means responsive to the return travel of the pilers to stop them at the completion of a reciprocating cycle.

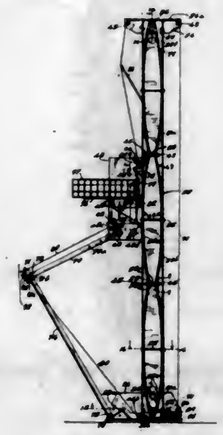
2,137,479
DEGREASING APPARATUS
Clarence F. Dinley, Detroit, Mich., assignor, by mesne assignments, to Solvent Machine Company, Detroit, Mich., a corporation of Michigan, trustee
Application July 8, 1937, Serial No. 152,520
5 Claims. (Cl. 87—6)



1. Apparatus of the character described, for treating work consisting of articles or pieces in bulk with volatile solvent whose vapor is heavier than air, comprising in combination an elongated treating vessel or enclosure adapted to contain volatile liquid solvent and its vapor, and open for the exit of the work from its upper portion at one end thereof, a gravity chute or hopper extending down into the vessel at the other end thereof, for the introduction of work, cooling means for condensing solvent vapor in the vessel at a level substantially below the entrance and exit, and conveyor means for carrying the work along through the vapor in the vessel below the condensing level, part of said conveyor means overtraveling a subsequent part thereof, so as to tumble the solvent-bearing work.

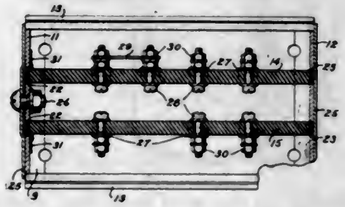
2,137,480
METHOD AND APPARATUS FOR DRYING PRINTS
Glen M. Dye, Minneapolis, Minn.
Application April 18, 1935, Serial No. 17,014
24 Claims. (Cl. 34—48)

23. The method of handling a photographic print for drying the same which consists in continuously moving the same, passing the same between moisture absorbing surfaces of opposed



rotating members and subsequently through a heated zone while holding said print in substantially flat condition.

2,137,481
SWITCH ASSEMBLAGE
William C. Furnas, West Allis, and Sigurd R. Thompson, Milwaukee, Wis.; said Thompson assignor to said Furnas, doing business under the name and style of Furnas Electric Company
Original application July 12, 1937, Serial No. 153,152, now Patent No. 2,108,883, dated February 22, 1938. Divided and this application December 1, 1937, Serial No. 177,588
8 Claims. (Cl. 200—166)

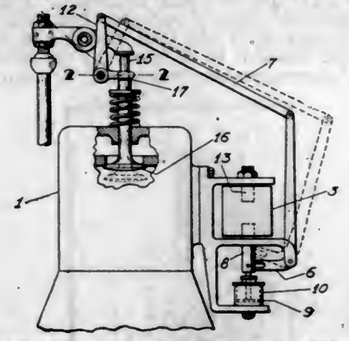


1. In combination, a frame having end walls provided with openings, a contact support having one end snugly fitted within the opening in one of said walls and initially loosely fitted within the corresponding opening in the other of said walls, a retainer for snugly retaining the loosely fitted end of said support within its confining opening, and an outer plate coacting with said other wall and providing a seal for the opening with which said retainer coacts.

2,137,482
MEANS FOR FACILITATING STARTING OF INTERNAL COMBUSTION ENGINES
Joseph V. Gil, Esher, England
Application February 9, 1938, Serial No. 189,556
In Great Britain March 9, 1937
5 Claims. (Cl. 123—182)

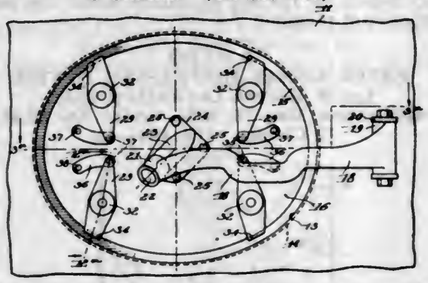
1. In combination, an internal combustion engine, electrical starting means therefor, and

means responsive to a rise in current in said start-



ing means for relieving the compression in the engine.

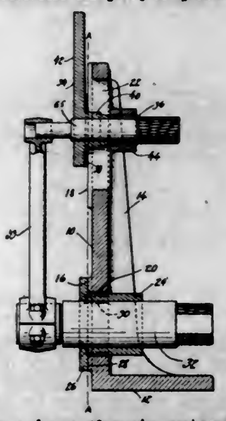
2,137,483
CLOSURE
Rudolph F. Goecke, Elyria, Ohio, assignor to The Pfaudler Co., Rochester, N. Y., a corporation of New York
Application August 21, 1937, Serial No. 160,279
8 Claims. (Cl. 220—37)



8. A closure for a wall opening of less width in one direction than the width in one direction of said opening and capable of passage therethrough, means for detachably clamping said closure to said wall to close said opening, a supporting arm, cooperating pivotal bearings on said closure and arm with the axis thereof inclined obliquely to said directions and to the plane of said closure, and passing substantially through the center of gravity of said closure, to guide said closure in a single swinging movement composed of movements about each of different axes, for moving said closure to position for passage through said opening to the other side of said wall, means for movably attaching said arm to said wall, said arm being formed to provide a stop in the path of movement of said closure to arrest said swinging movement thereof in position for passage through said opening, and cushioning means interposed between said pivotal bearings and said closure to facilitate adjusting and clamping said closure in closed position.

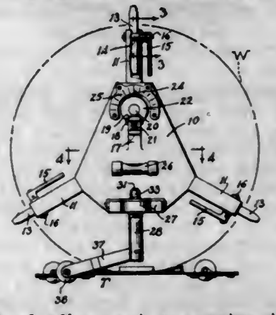
2,137,484
CONNECTING ROD ALIGNER
George M. Graham, Detroit, Mich., assignor to Hinckley-Myers Company, Jackson, Mich., a corporation of Michigan
Application September 4, 1936, Serial No. 99,399
1 Claim. (Cl. 77—62)

A device for aligning connecting rods comprising, in combination, a base frame having a flat surface and an opening in the frame extending substantially perpendicularly to the plane of said surface, means on said frame for supporting a connecting rod with an end thereof disposed opposite said flat surface, a cutting tool having a cutting portion and a shank of reduced diameter, an element having a part thereof insertable in the opening of said frame for securement thereto and provided with a flat face contactingly engageable with the flat surface on said frame to adjust the element in proper position, said ele-



ment having a bore therein extending into said part, and having a diameter oversize that of the cutting portion of said tool, and a sleeve slidably fitted in said bore and arranged to supportingly receive and guide the shank of said cutting tool while it is operated upon a connecting rod supported by said frame, said sleeve being capable of advancing along with said cutting tool as it is operated so that clearance is provided between the wall of the bore and the cutting portion of the tool as the latter advances through the bore.

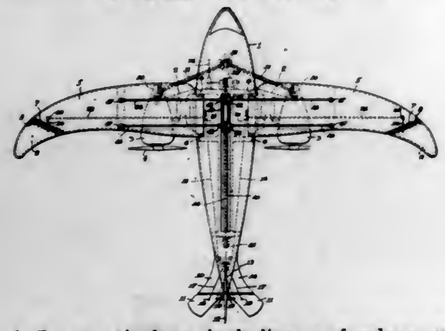
2,137,485
WHEEL ALIGNMENT APPARATUS
Robert M. Greenleaf and Paul C. Palmer, Los Angeles, Calif., assignors to said Robert M. Greenleaf
Application July 26, 1937, Serial No. 155,708
13 Claims. (Cl. 33—203)



1. A wheel alinement apparatus including a floor truck adapted to support and carry a wheel to be checked, a body adapted to be held against the side of said wheel while upon said floor truck, a caster mechanism attached to said body and positioned to move upon the floor along side of said wheel and floor truck, and to turn freely, whereby to assume a natural straight position in alinement with the direction of movement, a graduated scale, an indicator finger associated

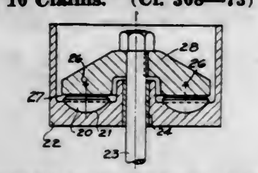
with said scale and connected to be moved by said caster mechanism to indicate the caster position of said wheel relative to the line of movement of said caster mechanism.

2,137,486
AIRPLANE
Hermon L. Grimes, Detroit, Mich.
Application August 22, 1936, Serial No. 97,312
9 Claims. (Cl. 244—49)



1. In an airplane including a fuselage and wings pivotally attached at their inner ends to said fuselage, means for swinging said wings upon their pivotal attachment to said fuselage, the axes of said pivots extending longitudinally of and parallel with the fore and aft axis of said fuselage, said means including strut members pivotally attached at their outer ends to said wings outwardly from their pivotal attachment to said fuselage, and means slidably secured within said fuselage to which the inner ends of said members are pivotally attached, for operating said members to swing said wings upwardly.

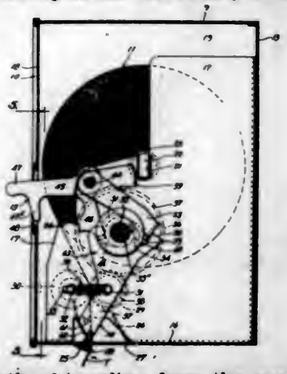
2,137,487
BEARING
Edwin S. Hall, New Haven, Conn.
Application March 4, 1936, Serial No. 67,015
10 Claims. (Cl. 308—73)



1. In a pivoted slipper bearing, a slipper circular in plan view and shaped like a converging lens with a spherical pivot surface on one side and a working surface on the other, the maximum thickness between said surfaces being substantially less than the radius of curvature of said spherical pivot surface, said slipper in combination with a pivot comprising a spherical socket operably conforming to said spherical pivot surface, and a runner having a working face operably conforming to the working surface of said slipper, said slipper being free both to tilt and to spin in said socket.

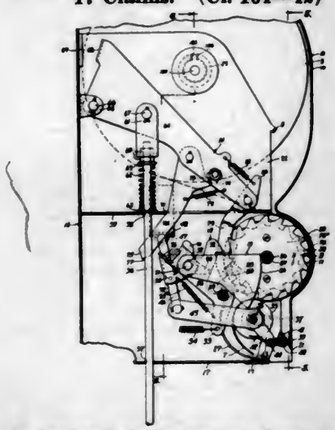
2,137,488
TOWEL DISPENSER
Leo M. Harvey, Los Angeles, Calif.
Application July 30, 1934, Serial No. 737,512
9 Claims. (Cl. 46—84.5)

1. A device for dispensing paper toweling including a case for holding a supply of toweling, feed means for feeding a length of toweling from the case including a crank projecting from the case, a manual control member normally preventing actuation of the feed means and accessible to the operator to be manually engaged and released whereupon the crank may be turned to



feed a length of toweling from the case, and an automatic releasable control for governing actuation of the feed means releasable by tearing free the delivered length of toweling to condition the feed means for further actuation under the control of said member.

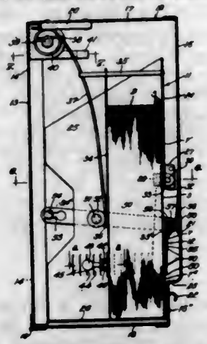
2,137,489
PAPER TOWEL DISPENSING DEVICE
Leo M. Harvey, Los Angeles, Calif.
Application May 25, 1935, Serial No. 23,443
17 Claims. (Cl. 164—42)



1. A device for dispensing sheet material including a case for holding a supply of the material and having an opening for discharging the material, a manually depressible pedal, means for automatically returning the pedal after depression, means operated by return movement of the pedal for feeding an end portion of the material through the opening to be grasped by the user for withdrawal, and means for preventing further withdrawal of the material when a definite amount of the material has been withdrawn.

2,137,490
PAPER DISPENSING DEVICE
Leo M. Harvey, Los Angeles, Calif.
Application April 13, 1936, Serial No. 74,161
17 Claims. (Cl. 312—57)

1. A device for dispensing sheet material comprising, a case having an opening, a carrier in the case adapted to carry a multiplicity of sheets so that broad surfaces of the sheets face forwardly in the case, means shiftably supporting the carrier within the case so that a front face part of the foremost sheet in the carrier is accessible through



the opening to be manually pressed against through the opening to shift the carrier, and a member mounted in the case governing the removal of the foremost sheet through the opening controlled by movement of the carrier.

2,137,491
CARTRIDGE MAGAZINE LATCH FOR PISTOLS
William L. Huff, Decatur, Ill.
Application October 24, 1936, Serial No. 107,300
4 Claims. (Cl. 42—50)

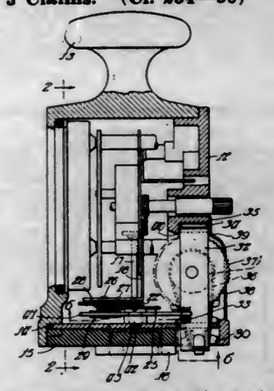


1. A cartridge magazine latch of the character described adapted for detachable connection to a cartridge magazine having slidably mounted thereon a spring actuated follower provided with a thumb manipulated follower pin, means on said latch for detachably engaging the pin on said follower and for engaging one end of said magazine to hold said follower in retracted position in said magazine.

2,137,492
PROCESS OF POLYMERIZING UNSATURATED HYDROCARBONS CONTAINING DIOLEFINES
Julius Hyman, Chicago, Ill., assignor to Velsicol Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application May 25, 1936, Serial No. 81,685
6 Claims. (Cl. 260—2)

1. In the polymerizing treatment of unsaturated hydrocarbon vapors containing diolefines, the step which comprises subjecting said vapors to the action of a granular catalyst resulting from the treatment of a synthetic ammonium aluminium zeolite under sufficient heat to break down the ammonium complex, and then driving off the liberated ammonia.

2,137,493
TIME STAMP
Austin C. Johnson and Theodore M. Wroble, Chicago, Ill.
Application May 20, 1936, Serial No. 80,780
3 Claims. (Cl. 234—56)



1. The combination with a time stamp comprising a horological motor, and a casing providing an impression face, of a resilient element and a retractible dater device projecting from said face, said element being adapted to produce an impression on a selected surface and said device being adapted to be retracted by exerting pressure on the casing in the direction of said face, means actuated by said motor for rotating said element, and a member operatively related to said element actuating means and device, said member being operable by retraction of said device to engage said means and thereby to temporarily prevent rotation of said element while the device is retracted.

2,137,494
GREASE AND METHOD OF MAKING THE SAME
Samuel Edward Jolly, Prospect Park, Pa., and Wesley McIlveen McKee, deceased, late of Bortondale, Pa., by Anna K. McKee, administratrix, Media, Pa., assignors to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
No Drawing. Original application September 5, 1936, Serial No. 99,642. Divided and this application May 17, 1938, Serial No. 208,492
3 Claims. (Cl. 87—9)

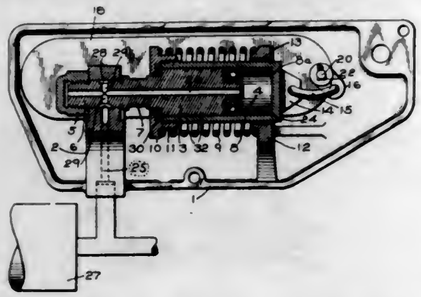
1. A substantially anhydrous lubricating grease comprising a lubricating oil and an oil-soluble soap of water-insoluble saponifiable materials produced by the partial liquid phase oxidation of slack wax.

3. The process comprising partially oxidizing slack wax, saponifying the water-insoluble saponifiable materials in the product, and producing a substantially anhydrous solution of the resulting soaps in a lubricating oil.

2,137,495
FLUID PRESSURE INDICATING DEVICE
Arthur Greenwood Kershaw, King's Cross, London, England, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application March 13, 1937, Serial No. 130,751
In Great Britain March 23, 1936
3 Claims. (Cl. 116—65)

1. A device for indicating the pressure condition of the fluid under pressure in a reservoir

comprising a casing, a piston in said casing, a cylinder slidably mounted on said piston and forming therewith a chamber in constant communication with said reservoir whereby the pressure of fluid in said reservoir acts to urge said cylinder relative to said piston, a lug projecting from said casing and having an aperture through which said cylinder is adapted to operate, means on said cylinder forming a spring seat, a spring



surrounding said cylinder and interposed between said lug and spring seat acting on said cylinder in opposition to the pressure of fluid in said chamber, said cylinder being movable relatively to said piston to one position when the pressure of fluid in said reservoir exceeds that of said spring and to another position when the pressure of said spring exceeds that of the fluid in said reservoir, and means operative by said cylinder in its different positions to indicate the pressure condition of the fluid in said reservoir.

2,137,496

WASTE FITTING FOR BATHS AND THE LIKE

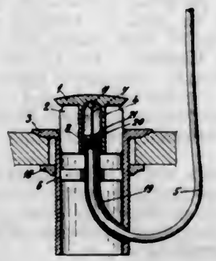
Felix Klein, Brunn, Mahren, Czechoslovakia

Application February 23, 1937, Serial No. 127,140

In Czechoslovakia February 21, 1936

3 Claims. (Cl. 4—203)

(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



1. A waste fitting for baths and the like comprising a casing, a waste valve in said casing having a hollow stem and guide wings on said stem, an operating handle, a flexible wire connected at one end to said handle and abutting at the other end against said valve within its hollow stem by means of a ball thrust member, a guide sheath for said wire in the form of a flexible coil fitting snugly around the whole length of said wire except for the operating ends thereof and having one end located within the stem of the valve, caps for closing the ends of said sheath, means for supporting said sheath within the casing and means for supporting said operating handle.

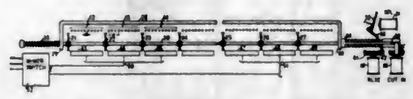
2,137,497

TELEPHONE SYSTEM

Clarence Ernest Lomax, Oak Park, and John Henry Voss, Downers Grove, Ill., assignors to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application May 17, 1937, Serial No. 142,966

31 Claims. (Cl. 179—21)



1. In a signalling system, a plurality of groups of outgoing lines, a plurality of incoming lines, and an automatic switching unit comprising a plurality of automatic switches for selectively connecting different ones of said incoming lines to different ones of said outgoing lines, said switching unit comprising a bank of conductors and a plurality of groups of wipers, said bank conductors being common to all of said switches and adapted to serve both as wiper contacts for all of said switches and as multiple conductors between said switches, said bank conductors being arranged in a plurality of groups individually corresponding to said groups of outgoing lines, each of said groups of wipers including at least one wiper individual to each of the groups of said bank conductors and adapted to engage a conductor therein, each of said groups of wipers being included in a corresponding one of said switches, and means for selectively moving the wipers of each of said groups of wipers into engagement with the different conductors in the groups of said bank conductors.

2,137,498

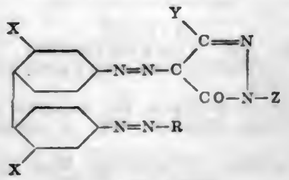
DISAZO DYESTUFFS AND PROCESS FOR THEIR MANUFACTURE

Henry Mirocourt, Sotteville-les-Rouen, and Marcel Georges Jirou, Rouen, France, assignors to Compagnie Nationale de Matières Colorantes et Manufactures de Produits Chimiques du Nord Réunies Etablissements Kuhlmann, Paris, France, a corporation of France

No Drawing. Application June 22, 1937, Serial No. 149,726. In France June 30, 1936

5 Claims. (Cl. 260—161)

3. Disazodyestuffs of the general formula:



in which the X's represent members of the class consisting of the halogens, the alkyl and alkoxy groups, "R" stands for a naphthol sulphonic acid having no substituent other than the hydroxy and sulpho groups, "Y" stands for a member of the group consisting of the methyl, the carboxy and the carboxy ester groups and "Z" is a sulphophenyl group having a substituent of the class consisting of the methyl and chloro atoms.

2,137,499

METHOD OF TREATING MINERAL OILS

Richard Z. Moravec, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application February 12, 1935, Serial No. 6,271

6 Claims. (Cl. 196—13)

1. A process for separating hydrocarbon oils into different fractions comprising the steps of mixing a liquid hydrocarbon oil with a tertiary aliphatic alcohol at a temperature to produce a homogeneous solution of the hydrocarbon oil in the alcohol, adding a lower aliphatic ketone to the resulting solution in a quantity sufficient to cause the formation of two liquid phases, and separating said phases substantially at the said temperature.

2,137,500

PEN

Bert M. Morris, Los Angeles, Calif.

Application August 12, 1936, Serial No. 95,572

5 Claims. (Cl. 120—113)



1. A pen comprising; a holder having a barrel and a shank rotatable on one end of the barrel; a nib carrier having an ink reservoir; a chuck in the other end of the barrel receiving said carrier and having a constrictable part, said chuck being movable lengthwise in the barrel to occupy one position in which the barrel acts to constrict said part for clamping the nib carrier in the chuck and another position in which the nib carrier is released to allow its removal from the chuck; and an operative connection between the chuck and shank whereby the chuck is moved to occupy one of said positions or the other accordingly as the shank and barrel are rotated relatively in one direction or the other.

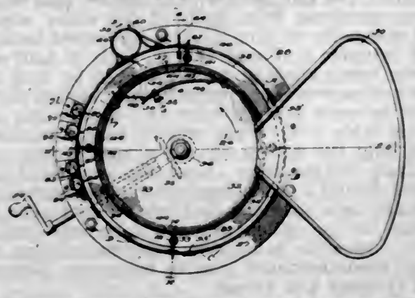
2,137,501

COIN HANDLING MECHANISM

Herbert B. Myers, Little Rock, Ark.

Application October 7, 1935, Serial No. 43,966

17 Claims. (Cl. 133—8)



11. In a coin handling apparatus, a pair of concentrically spaced coin track rings, a coin carrier disc having a peripheral portion between said rings, means for feeding coins to said disc, means for rotating said disc to move coins thereon by centrifugal force, the inner of said rings having a coin port, means for guiding coins on said disc through said port serially onto the peripheral portion of the disc between said rings to be carried thereby as a circumferential series between said rings, the outer ring being provided with a coin discharge port, a vertically movable coin stop member in advance of said discharge port and normally in lowered position between said rings to block passage of coins to said discharge port, a depressible key biased to raised position in advance of said coin stop a distance equal that occupied by a predetermined number of coins blocked by the stop between said rings, and means carried by said key for engaging between an adjacent pair of coins on depression thereof.

2,137,502

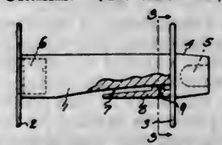
FILM SPOOL FOR PHOTOGRAPHIC CAMERAS

Hubert Nerwin, Dresden-Seidnitz, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany

Application October 8, 1937, Serial No. 168,065

In Germany October 6, 1936

6 Claims. (Cl. 242—74)



1. A film spool having a body provided with axially spaced flanges and a slit for the insertion of the film, said slit extending at an angle to the axis of rotation of the body, starting at the circumference of said body between said flanges and terminating at one of said flanges, and means extending into said slit adjacent said last named flange for engaging a hole of the film inserted in said slit.

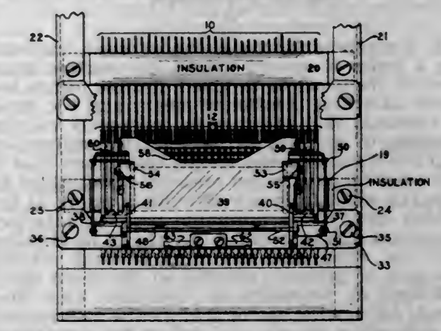
2,137,503

SWITCHING APPARATUS

Herbert F. Obergfell, River Forest, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application December 28, 1937, Serial No. 182,136

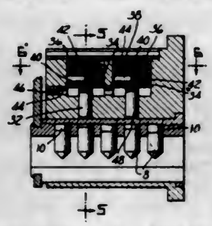
4 Claims. (Cl. 179—27.54)



1. Switching apparatus comprising, in combination, a plurality of substantially parallel spaced bank conductors all positioned in substantially the same plane, a set of wipers positioned on a line extending transversely with respect to said conductors, each of said wipers including a wiper end oppositely disposed with respect to one of said bank conductors and a flexible resilient shank portion, means fixedly mounting the shank portions of said wipers at points remote from their respective wiper ends, an operating magnet, an armature piece for said magnet, and means including a toggle mechanism controlled by said armature piece for simultaneously flex-

ing the shank portions of said wipers to move the respective wiper ends thereof into engagement with their respective oppositely disposed bank conductors.

2,137,504
PICKPROOF LOCK
John J. O'Connell, Brooklyn, N. Y.
Application June 12, 1937, Serial No. 147,811
4 Claims. (Cl. 70—364)



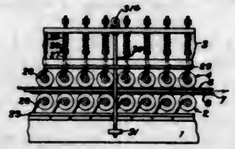
1. A lock comprising a cylinder, a key plug rotatably mounted in the cylinder, a plurality of pin tumblers carried by the plug, a plurality of drivers carried by the cylinder and alinable with the pin tumblers in one position, a plurality of auxiliary plungers carried by the cylinder and alinable with the pin tumblers when the key plug is rotated from the first position, stop means carried by the auxiliary plungers and adapted to hold the same against movement when in engagement with the pin tumblers, and resilient means for operating said stop means.

2,137,505
MACHINE FOR MAKING LAMINATED PANELS
George H. Osgood, Tacoma, Wash.
Application June 16, 1937, Serial No. 148,475
9 Claims. (Cl. 144—282)

1. A machine for the gluing of wood, comprising a series of spaced means for exerting pressure on the wood to be glued, flexible means between said first mentioned means and the wood to transmit said pressure in constantly varying amounts to all parts of the wood, the stiffness of said second mentioned means being such that it will constantly vary the pressure transmitted by it to the wood from a maximum pressure at the spaced means to a minimum pressure intermediate said means to cause the glue to be kneaded into the wood, the minimum of said varying amounts of pressure exerted on the wood being sufficient to maintain an unbroken glue line, means for moving one of said means with respect to said other means, and means for supporting the wood in contact with said flexible means.

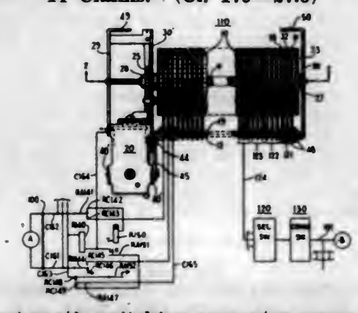
2,137,506
MACHINE FOR MAKING LAMINATED PANELS
George H. Osgood, Tacoma, Wash.
Application June 21, 1937, Serial No. 149,280
3 Claims. (Cl. 144—281)

1. A machine for the gluing of wood, comprising a series of spaced means for exerting pressure on the wood to be glued, a thin metal sheet between said first mentioned means and the wood and adapted to transmit this pressure in varying amounts to all parts of the wood, the stiffness of said metal sheet being such that it will vary the pressure transmitted by it to the wood from a maximum pressure at the spaced means to a minimum pressure intermediate said means to cause the glue to be kneaded into the wood, the



minimum of said varied amounts of pressure exerted on the wood by said thin metal sheet being sufficient to maintain an unbroken glue line, means for moving said thin metal sheet relative to said first mentioned means, and means for supporting the wood in contact with the said thin metal sheet, said aforementioned thin metal sheet being provided with perforations to permit the surface of the wood to vent moisture during the periods of maximum pressure.

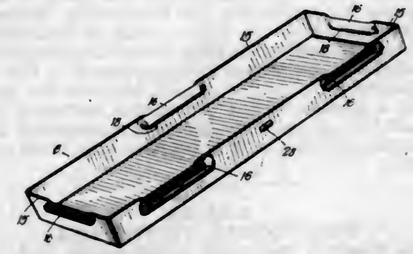
2,137,507
AUTOMATIC SWITCHING APPARATUS
John E. Ostline, Chicago, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application June 11, 1937, Serial No. 147,617
14 Claims. (Cl. 179—27.5)



1. Automatic switching apparatus comprising a cylinder, conducting segments mounted on said cylinder, two groups of wipers, each of said wipers being insulated from each of the other wipers, and means for causing relative movement between said cylinder and said wipers, each of said segments being adapted to be engaged by only one wiper of each of said groups during relative movement between said cylinder and wipers and said wipers being so arranged relative to said segments that only the wipers of one of said groups successively engage their respective associated segments during a predetermined relative movement between said cylinder and wipers and only the wipers of the other group successively engage their respective associated segments during another predetermined relative movement between said cylinder and wipers.

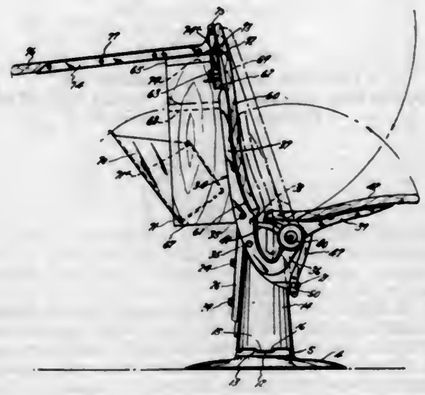
2,137,508
PANELING STRUCTURE
Lawrence J. Powell, Chicago, Ill., assignor to General Porcelain Enameling & Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application January 11, 1937, Serial No. 119,959
5 Claims. (Cl. 189—85)

5. In a paneling system of the class described, a supporting structure, a metallic panel member having more than two sides each provided with a marginal flange, discontinuous shoulder forming depressions along the marginal flange at each side of said panel member, and separate and individual attachment clips attached to said



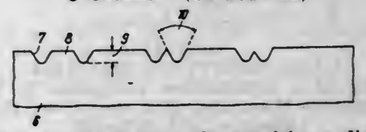
supporting structure at each of the respective sides of said panel member and engageable by snap action with the shoulders formed by said depressions to secure said panel member to said supporting structure upon movement of said panel member toward the supporting structure.

2,137,509
SCHOOL DESK UNIT
Edwin J. Santee, St. Louis, Mo.
Application March 12, 1936, Serial No. 68,455
8 Claims. (Cl. 155—95)



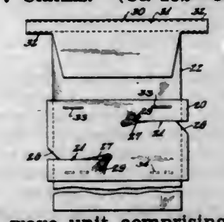
1. In a rotatable desk unit, a pedestal conformed as a frustum of a cone and having spaced slots formed therearound, a complementally formed sleeve rotatably seated upon the pedestal and adapted by reason of the mutually tapered fit to grip same when lowered thereon, the sleeve having a slot adapted upon rotation of the sleeve to register with either one of the slots of the pedestal, a support extended upwardly from the sleeve, a seat hinged to the support and arranged for turning down horizontally over the pedestal or vertically up thereover, and means carried by the assembly co-operating with the slots of pedestal and sleeve and operable thru the lowering of the seat for automatically locking the sleeve against rotation upon the pedestal, in a selected position of rotation, as determined by the selected pedestal slot and its alignment with the slot of the sleeve, the raising of the seat in turn serving to unlock the elements.

2,137,510
GRAMOPHONE RECORD
Edwin Severin and Otto Brünnert, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application August 6, 1936, Serial No. 94,509
In Germany August 16, 1935
5 Claims. (Cl. 274—41)



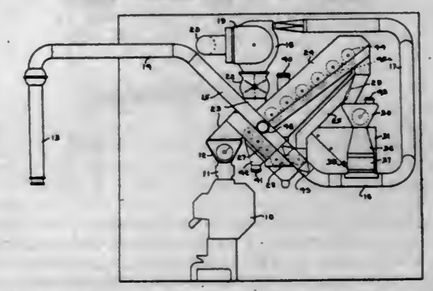
1. A gramophone record comprising a disk having a spiral acoustic groove of the lateral undulatory type, the width of the groove being approximately equal to its maximum amplitude, and the pitch of the groove being so related to the groove width and amplitude that adjacent groove sections intersect each other at points where they are modulated to at least two-thirds their maximum amplitude.

2,137,511
MACHINELESS PERMANENT WAVE DEVICE
Albert E. Sierad, Larchmont, N. Y.
Application January 21, 1938, Serial No. 186,037
7 Claims. (Cl. 132—36)



1. A hair wave unit comprising a heat insulating member having a slot, a flexible wrapper having a slot secured to said heat insulating member, so that the slot of the latter will register with the slot of the former; heat generating means within said flexible wrapper and a pliable member to maintain said flexible wrapper in a predetermined position.

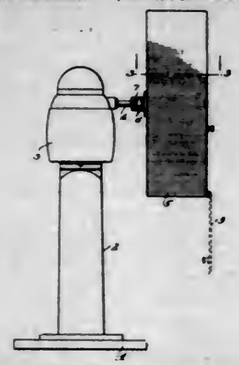
2,137,512
COTTON CONVEYING, CLEANING, FEEDING, AND DRYING APPARATUS
William L. Steinhauer, Birmingham, Ala., assignor to Continental Gin Company, a corporation of Delaware
Application December 9, 1935, Serial No. 53,493
8 Claims. (Cl. 19—67)



1. In apparatus for handling cotton and like material, a preliminary cleaner mechanism hav-

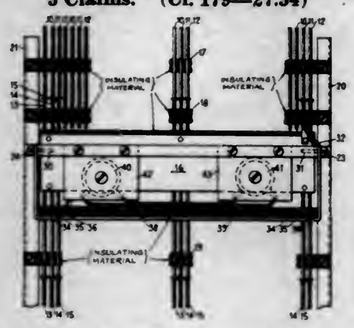
ing a feed means, a distributor for supplying material to said feed means, an overflow outlet for said distributor, a main suction feed line for supplying material to said distributor which passes adjacent said outlet, a conduit connecting the overflow with the suction feed line, and air seal means in said conduit to feed overflow material from said distributor directly into said main suction feed line.

2,137,513
CARD SHUFFLING MACHINE
Harold E. Stonebraker, Rochester, N. Y.
Application March 25, 1937, Serial No. 133,024
4 Claims. (Cl. 273—149)



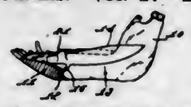
3. A card shuffling machine comprising a rotary container having parallel straight side walls, means within the container adjacent to one of said side walls for preventing gravitation of cards on both sides of the central cards of a deck and permitting gravitation of the central cards of the deck from one end to the other as the container is rotated, the opposite wall of the container being unobstructed to permit free movement of cards therealong from one end to the other as the container is further rotated.

2,137,514
SWITCHING APPARATUS
John Henry Voss, Downers Grove, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application December 11, 1937, Serial No. 179,229
5 Claims. (Cl. 179—27.54)



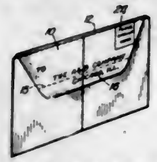
1. Switching apparatus comprising, in combination, a plurality of bank conductors arranged in two groups, circuit connecting elements respectively associated with the conductors of each group, means normally restraining said elements from engagement with their respective associated bank conductors, a pair of operating magnets, means responsive to the energization of one of said magnets for operating only a portion of the connecting elements corresponding to one group of conductors into engagement with their respective associated conductors, means responsive to the energization of the other of said magnets for operating the connecting elements corresponding to the other group of conductors into engagement with their respective associated conductors, and means also responsive to the energization of the other of said magnets for operating a portion of the connecting elements corresponding to said one group of conductors into engagement with their respective associated conductors.

2,137,515
HOG-TONGUE PROTECTOR
Chris Fredrick Wegehoft, Indianapolis, Ind., assignor to Kingan & Co., Incorporated, Indianapolis, Ind., a corporation of New Jersey
Application May 17, 1937, Serial No. 142,986
7 Claims. (Cl. 17—1)



1. A protector for an animal's tongue comprising a generally tubular element adapted to encompass the tongue substantially from the tip to the base thereof, and means carried by said element and engageable with the mandible to anchor said element against movement.

2,137,516
STATIONERY
Vaughan M. West, Chicago, Ill.
Application August 24, 1936, Serial No. 97,506
4 Claims. (Cl. 229—92.7)

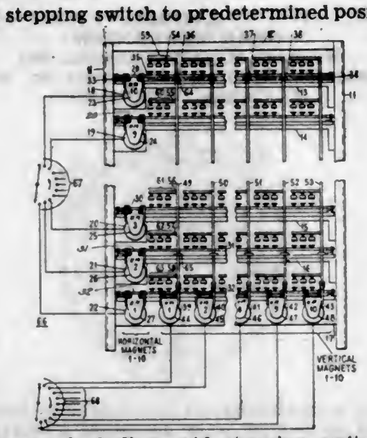


4. A sheet of stationery adapted to be folded for mailing purposes and provided with a flap having a return address printed thereon, said flap being engaged internally with the folded sheet to hold the same folded for mailing with the flap substantially enclosed to conceal the return address printed thereon.

2,137,517
TELEPHONE SYSTEM
John Wicks, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application May 3, 1937, Serial No. 140,317
29 Claims. (Cl. 179—21)

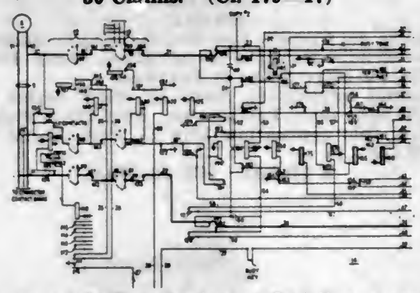
1. An automatic switch comprising two sets of contacts, actuating means individual to each of said sets of contacts for moving the corresponding set of contacts from one position to a second position, said contact sets being so arranged relative to each other that the corresponding contacts of the respective sets engage only when the contacts of both of said sets are moved to their respective second positions, a stepping switch, impulse responsive means for causing the operation

of said stepping switch to predetermined positions,



and means including said stepping switch for successively energizing said actuating means.

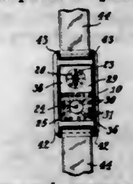
2,137,518
TELEPHONE SYSTEM
John Wicks, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application May 15, 1937, Serial No. 142,779
30 Claims. (Cl. 179—17)



1. In a telephone system, a first line, a second line, a first automatic switch, a second automatic switch, means including said switches, operative in the order named, for establishing a connection between said lines on a call from said first line to said second line, and control means included in said first switch and operative during and following the establishing of said connection for performing the group of auxiliary functions normally performed in an operated connector switch and comprising the application of ringing current to said second line, the application of ringback tone current to said first line and the application of busy tone current to said first line in the event said second line is busy at the time said call is initiated.

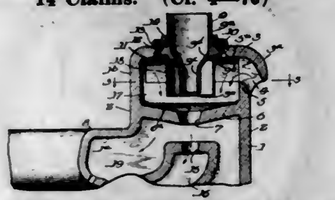
2,137,519
SUNDIAL WATCH
Isaac Wigdor, Bayonne, N. J.
Application July 14, 1938, Serial No. 219,107
2 Claims. (Cl. 33—62)

1. A sun-watch comprising a casing, a compass, a holder for said compass, a finger piece for rotating said compass, a bent plate having one portion with characters to provide a dial, a gnomon arranged to cooperate with said dial, another portion of said plate extending over said compass, extensions on said plate to engage said casing to hold said plate in position, a cover plate



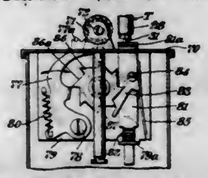
having a window and means for securing said cover plate to said casing.

2,137,520
VACUUM BREAKER
Roy H. Zinkil, Oak Park, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application August 8, 1935, Serial No. 35,322
14 Claims. (Cl. 4—70)



1. In an air relieving means of the character described, comprising in combination a fixture, a plurality of restricted ports in axial alignment, the latter constituting substantially vertical directional flushing means to the said fixture, a substantially horizontally extending baffle positioned transversely between said ports and having upon its upper surface inwardly sloping drain means for water accumulation during the flushing of said fixture, the said drain means discharging into the said axially aligned ports, the said baffle being positioned above the highest water level attainable within said fixture, a housing integral with the said fixture enclosing the said ports and the said baffle, the said housing comprising venting means to atmosphere in communication with the said ports.

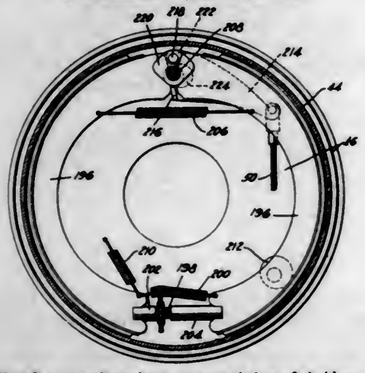
2,137,521
PYROPHORIC LIGHTING MECHANISM
Louis V. Aronson, Newark, N. J., assignor to Art Metal Works, Inc., a corporation of New Jersey
Original application February 24, 1936, Serial No. 65,265. Divided and this application May 25, 1937, Serial No. 144,598
4 Claims. (Cl. 67—4.1)



2. A pyrophoric lighter comprising a receptacle, a sparking device mounted in fixed position on said receptacle and comprising a sparking wheel and a pyrophoric element biased into engagement therewith, a lever disposed interiorly of said receptacle and connected to said sparking device, means for biasing said lever in a direction to actuate said sparking device, a movable actuating member for said sparking wheel having a torch-engageable portion located in the path of sparks projected from said sparking wheel, a notched ratchet wheel intervening between said actuating

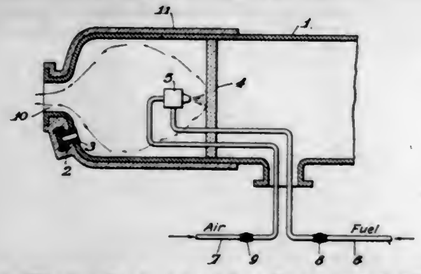
member and said lever, a pawl connection between said actuating member and said ratchet wheel, and a pawl connection between said lever and said ratchet wheel.

2,137,522
BRAKE
Harold G. Axtmann, Dearborn, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Original application January 25, 1934, Serial No. 708,171, now Patent No. 2,074,715, dated March 23, 1937. Divided and this application August 10, 1936, Serial No. 95,254
6 Claims. (Cl. 188—78)



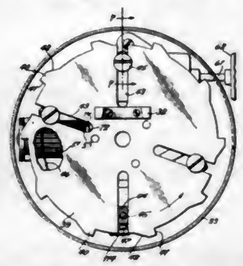
1. Brake mechanism comprising friction means having adjacent separable ends, an anchor between said ends, a part pivoted on said anchor and having means operatively engaging one of said ends on one side of the anchor, and a floating lever pivoted to said part at said side of the anchor and formed to clear said anchor and movable independently of said anchor, and having means operatively engaging the other of said ends at the other side of the anchor.

2,137,523
HEAT TREATING PRESSURE VESSELS
Eric V. Bergstrom, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application November 23, 1936, Serial No. 112,440
3 Claims. (Cl. 148—13)



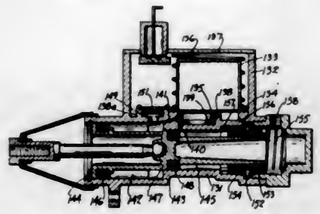
1. The method of heat treating a vessel which comprises introducing fuel into the vessel to be heat treated and burning the same therein, restricting the hot gases to a particular portion of the vessel, whereby to confine the heat to said particular portion imparting the heat of combustion indirectly to the walls of the restricted portion of the vessel through the inner surface thereof, thus preventing direct contact of the flame with the wall and exhausting the gases of combustion through an opening in said vessel.

2,137,524
GEAR MECHANISM
Kenly C. Bugg, Farmington, Mo.
Application April 15, 1935, Serial No. 16,375
17 Claims. (Cl. 74—412)



1. In a mechanism of the character described having an element to be operated; a rotary support, an elongated pinion rotative about an axis disposed angularly with respect to the axis of rotation of said support, gearing driven by said pinion for operating said element, a rack concentric with the axis of said support for rotating said pinion, and devices attaching said rack to said support to engage said pinion at selected positions along the length thereof.

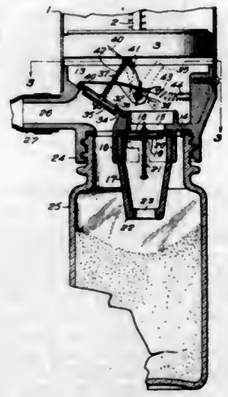
2,137,525
BRAKE
Eugene G. Carroll, Los Angeles, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Original application April 13, 1932, Serial No. 605,083, now Patent No. 2,074,719. Divided and this application May 25, 1935, Serial No. 23,425
8 Claims. (Cl. 60—54.6)



1. In a hydraulic brake system a master cylinder, a reservoir associated with said master cylinder, an inverted container positioned in said reservoir, a spring bearing upon said inverted container, and means for forcing fluid into said container to supercharge the pressure in said system.

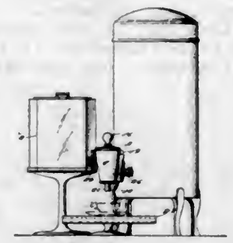
2,137,526
PUMP DUSTER
Charles D. Collins, New York, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application June 20, 1936, Serial No. 86,258
7 Claims. (Cl 43—147)

1. A dusting device comprising a pump, a fixture secured to the bottom thereof and carrying a dust container, said fixture having an exit opening therein for dust and air, and two independently operative valves carried by the fixture, one permitting air from the pump to pass into the dust container and from thence to the exit opening, and the other permitting air to pass directly



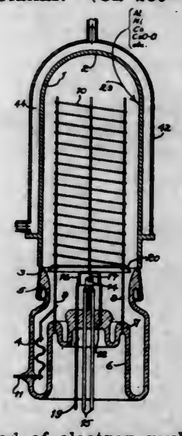
to the exit opening without going through the dust container.

2,137,527
MECHANISM FOR DISPENSING BEVERAGES
James W. Cunningham, Haddon Heights, N. J., assignor to Horn and Hardart Baking Co., Philadelphia, Pa., a corporation of New Jersey
Application October 13, 1937, Serial No. 168,823
4 Claims. (Cl. 225—21)



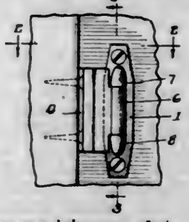
1. Beverage dispensing mechanism comprising a valve mechanism having angularly disposed, laterally extending connections adapted to be connected respectively to a coffee urn and to a cream urn, said valve mechanism having a body with a vertically disposed conical valve chamber with a cream inlet and a coffee inlet to said chamber and a cream discharge passage within its wall leading from said chamber and extending longitudinally of the body and terminating at its lower end in an inwardly deflected spout, a conical solid valve in said valve chamber having a recess forming a measuring pocket opening throughout its outer face through the periphery of the valve and communicating with said cream inlet or with said discharge passage when the valve is turned, said valve having circumferentially spaced, laterally extending apertures opening through its outer periphery to selectively register with the coffee inlet on turning of the valve, having a discharge passage in communication with said apertures, one of said apertures communicating with said coffee inlet when said measuring pocket is in communication with said cream discharge passage, and a handle for turning said valve in one direction to dispense coffee and cream and in an opposite direction to bring the other of said apertures into registry with the coffee inlet to dispense only black coffee.

2,137,528
MULTIPACTOR OSCILLATOR
Philo T. Farnsworth, San Francisco, Calif., assignor to Farnsworth Television Incorporated, San Francisco, Calif., a corporation of California
Application January 27, 1936, Serial No. 61,042
7 Claims. (Cl. 250—36)



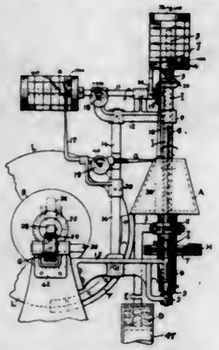
4. The method of electron multiplication in a tube containing a single cathode surface capable of emitting secondary electrons at a ratio greater than unity, which comprises initiating a stream of primary electrons, applying a potential to said electrons to cause oscillation of said electrons between various portions of said single surface until impact occurs therewith, producing secondaries, and continuing the application of said potential to the combined and augmented electron cloud.

2,137,529
HINGE
William Daniel Ferris, Sterling, Ill., assignor to Frantz Manufacturing Co., Sterling, Ill., a corporation of Illinois
Application July 10, 1936, Serial No. 89,876
2 Claims. (Cl. 16—128)



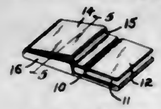
1. A hinge comprising a plate formed with a single pintle bearing, a second plate, two pintle sections inserted toward each other in said bearing and provided with enlarged heads spaced apart by said bearing, with a flat inner side for each head, and means permanently fastening the inner side of each head flatwise to the outer side of the second plate, so that the latter and the first plate are permanently hinge connected together, and whereby the entire pintle thus formed by the two sections is held against rotation, the second plate having a slot therein to receive the inner side of said bearing.

2,137,530
DYNAMOMETER
Clifford E. Johnson, Knoxville, Tenn.
Application October 18, 1935, Serial No. 45,682
7 Claims. (Cl. 265—26)



1. In absorption dynamometers or analogous devices adapted to simultaneously indicate and record the torque the speed and the resulting horsepower of a mechanism under test, an electric generator, an armature therefor connected to the shaft of the device under test, a field magnet frame adapted to oscillate around the axis of the armature, a speed-meter, a rotatable and axially movable straight sided compound cam, a support for the cam, means associated with the speed meter and the oscillating field magnet to respectively rotate the cam and simultaneously raise it proportional to the speed and torque of the device under test, and means engaging the cam to simultaneously show the horse-power output of the device under test.

2,137,531
FASTENING DEVICE FOR POCKETBOOKS AND THE LIKE
Walter I. Jones, Arlington, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application February 6, 1936, Serial No. 62,619
1 Claim. (Cl. 292—87)



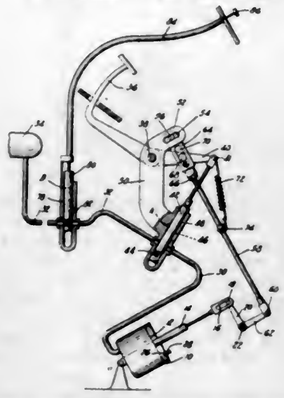
A fastening member for a pocketbook or the like container formed from a single piece of metal and adapted to cooperate with a socket member, said fastener member comprising a plate having material at one end thereof folded back upon itself and normally spaced from said plate, said folded portion being yieldable and adapted to be forced toward said plate against the natural spring action of said folded portion during passage through a stud-receiving means associated with the socket member and then returned to normal position after passage through said means to secure said members against unintentional separation and said plate having spaced portions at its other end extending away from said first-mentioned end and having an opening between them for receiving an appropriate part of a container adapted to be moved between said spaced portions axially of said fastening member whereby said spaced portions grip opposed sides of said container for attaching said fastening member to said container.

2,137,532
GRILLE FASTENER AND INSTALLATION OF THE SAME
Walter I. Jones, Arlington, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application February 24, 1936, Serial No. 65,257
5 Claims. (Cl. 24—259)



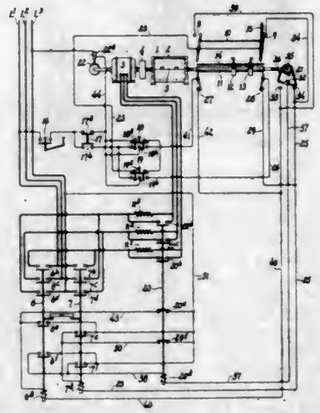
5. A snap fastener unit for radiator grille covers comprising a one-piece part having a pair of spaced apertures therein and a snap fastener member assembled with said part, said snap fastener member having a loop portion at one end in swivel engagement with the material of said part between said apertures, and said loop portion being substantially circular and of no greater diameter than the distance between the outside edges of said apertures, a pair of yieldable arms of substantial length extending from said loop portion for receiving a grille bar between them and a relatively abrupt shoulder on at least one of said arms in substantial spaced relation from said loop portion, and the greatest diameter of said loop portion being greater than the distance between said arms adjacent said loop.

2,137,533
SERVO-CLUTCH OPERATING MECHANISM
Léon Nicolas Lauer, Clichy, France, assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application December 10, 1934, Serial No. 756,875
In France December 13, 1933
2 Claims. (Cl. 121—41)



1. Power means for operating one of the control elements of an automotive vehicle comprising a pressure differential operated motor including a fixed element and a movable power element, valve means for controlling the operation of said motor comprising relatively movable casing and plunger members. manually operable means for operating the valve means, linkage interconnecting said manually operable means, valve elements and the control element to be operated comprising a cross shaft adapted to serve as a mounting for said manually operable means, connections including a link operably connecting said manually operable means and valve plunger element, and other connections including a lever member mounted on said shaft, a slotted link member interconnecting the control element to be operated and lever, said slotted link member serving to interconnect said casing and control element to be operated, a pin mounted on said manually operable means, said pin mounted within the slot of the aforementioned link, said parts being so constructed and arranged as to provide a control valve of the follow-up type.

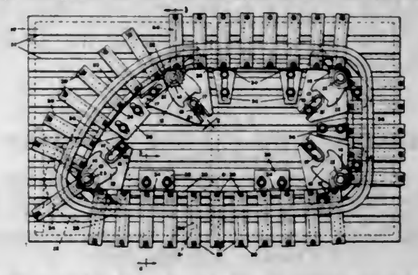
2,137,534
ELECTRIC MOTOR CONTROL
Ralph G. Lockett, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application May 3, 1937, Serial No. 140,362
14 Claims. (Cl. 172—240)



1. In a control system of the character described, in combination, a reversible electric motor, a load to be driven thereby in each direction, means for completing an energizing circuit for said motor whereby said load is driven in one direction under substantially normal torque conditions, means including a limit switch operable automatically to effect interruption of said motor circuit, said means being simultaneously operable to effect establishment of an alternative energizing circuit adapted to effect plugging of said motor under relatively low torque conditions, whereby said load is gradually brought to rest and is thereafter immediately driven in the reverse direction, a switch comprising a stationary contact and an oscillatable contactor, and means including a drag connection between said load and said contactor whereby the latter is engaged with said contact immediately upon reversal of the former in the manner aforementioned, said contactor when engaged with said contact being adapted to effect completion of an energizing circuit for said motor whereby the latter is adapted to drive said load under substantially normal torque conditions in the direction last mentioned.

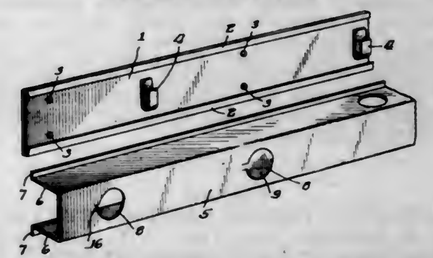
2,137,535
POLISHING MACHINE
Clyde T. MacLean, Detroit, Mich., assignor to Motor Products Corporation, Detroit, Mich., a corporation of New York
Application May 27, 1936, Serial No. 82,124
4 Claims. (Cl. 51—136)

3. In a polishing machine, a base, a plurality of brackets mounted on said base, an endless chain, a plurality of sprocket wheels engageable with said chain and journalled in said brackets, means for adjusting said brackets relative to the base to vary the path of travel of said chain to conform



to the shape of an article, and a plurality of flexible polishing elements supported on said chain for engagement with said article.

2,137,536
ELECTRIC LAMP SOCKET STRIP AND WIRE HOUSING
John L. McConnell, Chicago, Ill.
Application August 12, 1937, Serial No. 158,722
2 Claims. (Cl. 247—37)



1. A combined electrical conduit and outlet housing comprising a flat sheet metal plate section having rebent flanges, adapted to be secured to a supporting surface, and a sheet metal channel-like section having knockout plugs adapted to be removed to provide openings for reception of outlet sockets at desired points and having further outturned flanges along the edges of the channel for interengagement with the flanges of the plate section, whereby the wiring and outlet sockets may be preassembled in the channel member and the flanges of the channel snapped into engagement with the flanges of the plate member.

2,137,537
PROCESS OF DIE CASTING AND ASSEMBLING EXPANSION SHIELDS OR ANCHORS
Roy E. McIntosh, New York, N. Y., assignor to Star Expansion Bolt Company, New York, N. Y., a corporation of Illinois
Application January 7, 1937, Serial No. 119,465
5 Claims. (Cl. 29—148)



1. The process of making and assembling inner expanding elements of relatively hard metal and outer expansible sleeves of relatively soft metal, said inner and outer elements forming expansion shields or anchors, which consists of casting said elements in a group bonded together by the

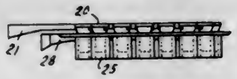
casting sprue, casting said sleeves in a group bonded together by the casting sprue, separating the units of one group, assembling the separated units with the units of the connected group, forcing the inner expanding elements into the outer expansible sleeves and separating the grouped units during this last operation.

2,137,538

PROCESS OF DIE CASTING AND ASSEMBLING EXPANSION SHIELDS

Roy E. McIntosh, New York, N. Y., assignor to Star Expansion Bolt Company, New York, N. Y., a corporation of Illinois

Application January 7, 1937, Serial No. 119,466
5 Claims. (Cl. 29—148)



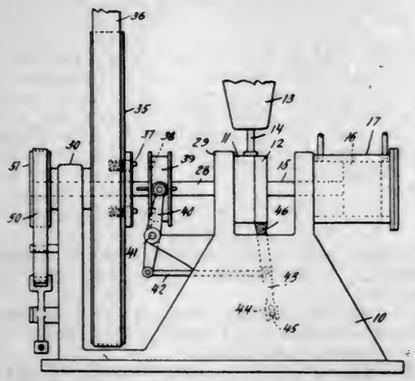
1. The process of making and assembling inner expanding elements and outer expansible elements for expansion anchors which consists of die casting a plurality of expanding elements of relatively hard metal in an interconnected group, die casting a like number of similarly arranged and similarly spaced interconnected expansible elements of relatively soft metal, inserting the group of expanding elements in the group of expansible elements while the elements of both groups are still interconnected, pressing the inner elements into the outer elements and trimming off the excess casting metal and connecting portions of the castings.

2,137,539

APPARATUS FOR DIE CASTING ARTICLES

Roy E. McIntosh, New York, N. Y., assignor to Star Expansion Bolt Company, New York, N. Y., a corporation of Illinois

Application January 30, 1937, Serial No. 123,184
2 Claims. (Cl. 22—94)



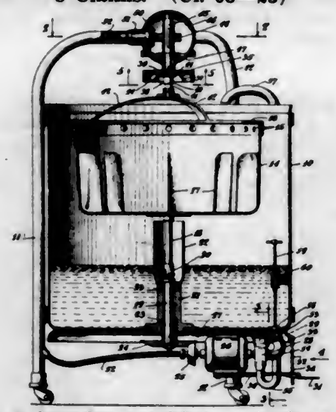
1. Apparatus of the character described comprising a stationary die having a plurality of mold cavities, means for closing the die, rotatable threaded core pins in the mold cavities in said stationary die, means for rotating said pins in a direction to eject the cast articles from the mold cavities of the stationary die, means for moving said die closing means to open and closed positions, and means connected to said moving means for setting said pin rotating means in operation when the die is opened.

2,137,540

WASHING MACHINE

Joseph Motycka, South Manchester, Conn., assignor, by mesne assignments, to J. G. De Remer Research Corporation, Union City, N. J., a corporation of New Jersey

Application February 17, 1936, Serial No. 64,193
8 Claims. (Cl. 68—23)



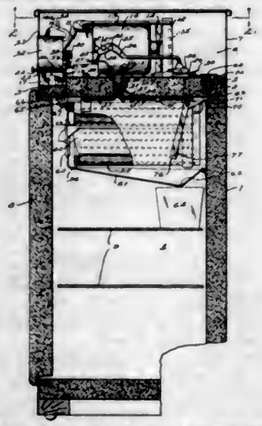
3. In a laundry machine, a tank, a clothes basket within said tank, a bottom shaft projecting up from the bottom of said tank for supporting and driving said basket, a universal joint in said bottom shaft for permitting said basket to move from central position, said universal joint dividing said bottom shaft into lower and upper sections, a gyrating cup above said basket, said lower section being coincident with the central axis of the machine, said basket having a member engaged in said cup, means for rotating said cup at such speed to supply the necessary tangential corrective accelerating force to overcome precession of the basket during centrifugal drying operation, means for driving said bottom shaft during the drying operation, means for preventing spinning movement of said bottom shaft during the washing operation, said means for rotating said cup also providing a gyrating movement for the washing operation.

2,137,541

REFRIGERATOR

Glenn Muffly, Richmond, Mich.

Application May 26, 1930, Serial No. 455,741
7 Claims. (Cl. 62—4)



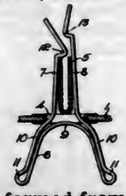
1. A refrigerating system, an electric motor arranged to drive said system, a thermostatically opened and closed electric switch for controlling the normal operating cycles of the motor, clock-driven means for modifying said operating cycles during definitely spaced time intervals, and manual means for initiating a running period of the system to be terminated thermostatically.

2,137,542

RADIATOR GRILLE FASTENER

Howard J. Murphy, Greenwood, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application November 4, 1935, Serial No. 48,163
4 Claims. (Cl. 24—255)



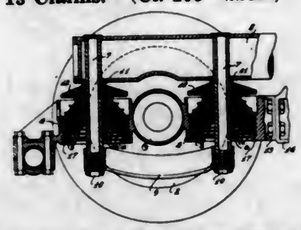
1. A fastener unit formed from a strip of spring metal of considerably greater width than thickness, said fastener having a head formed from the mid-portion of said strip, said head comprising a U-shaped portion having opposed side walls, the free ends of said side walls folded back substantially adjacent to said side walls along the length of said side walls to a point beneath said U-shaped portion, a pair of opposed spring arms integral with and extending from said folded back portions directly away from said head portion, one of said opposed arms having a relatively abrupt shoulder portion located at a spaced distance from said head portion and adapted to engage a support of a certain dimension, the other of said arms having a relatively sharp shoulder portion located on its length at a position nearer to said head portion than the shoulder of said first arm, said other arm adapted to engage supports of lesser dimensions than those engaged by said first arm, the free ends of said arms diverging from their respective shoulders to provide surfaces for wedging the arms apart when a support is entered between said diverging portions, and said head portion so shaped and arranged that said arms may be forced away from each other by a pressure exerted inwardly upon each of the folded back portions and the respective side wall of said U-shaped portion whereby said fastener may be disengaged from said support.

2,137,543

JOURNAL BEARING ASSEMBLY

Emil H. Piron, New York, N. Y., assignor, by mesne assignments, to Transit Research Corporation, New York, N. Y., a corporation of New York

Application May 23, 1935, Serial No. 23,047
13 Claims. (Cl. 105—224.1)



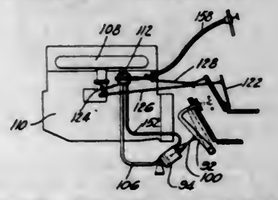
2. In a journal bearing assembly for a rail truck, journal springs comprising cylindrical masses of rubber with their axes vertical and parallel, stiff cylindrical retainers for said masses adapted to maintain substantial radial compression thereon, means comprising a journal bearing housing integrally secured to both of said retainers, and load imposing means extending axially through each of said cylinders of rubber in operative engagement therewith and adapted to impose shear loading thereon, said retainers constituting load receiving means and the masses of rubber resisting all relative movements between the load imposing and the load receiving means.

2,137,544

CLUTCH CONTROL MECHANISM

Harold W. Price and Earl R. Price, South Bend, Ind., assignors to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana

Application October 14, 1935, Serial No. 44,850
2 Claims. (Cl. 192—.01)



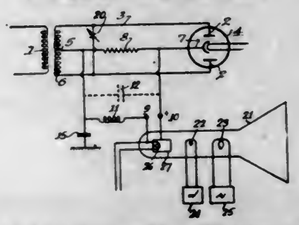
1. In a clutch controlling mechanism for an automotive vehicle, a pressure differential operated motor and valve mechanism for controlling said motor, said valve mechanism including four separate ported valve members, two of said members being manually operable slide valves, one of said latter members, flat and rectangular in shape and provided with a relatively long vent slot and two vacuum controlling slots, serving as a three-way valve member and the other of said members, of similar outline and provided with a relatively long vent slot and but one vacuum controlling slot, serving as a cut-off valve member.

2,137,545

DETECTOR OUTPUT CIRCUIT

Johannes Schunack, Charlottenburg, near Berlin, Germany, assignor to the firm of Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany

Application April 13, 1936, Serial No. 74,206
In Germany April 17, 1935
7 Claims. (Cl. 250—27)



5. In combination with television apparatus utilizing a cathode ray oscillograph tube having therein a Wehnelt cylinder and a control electrode, a resistance so connected and arranged that potential difference thereacross may control the intensity of the cathode ray in said tube, an input coil having a mid-point, a diode having a single cathode and two anodes, a connection from each of said anodes to opposite ends of said input coil, a connection from said cathode to one end of said resistance, a connection from the op-

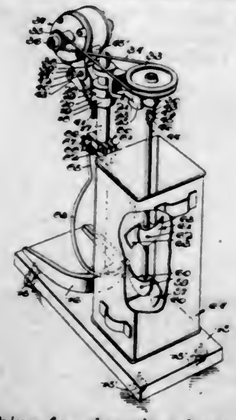
posite end of said resistance to the mid-point of said input coil, said input coil and connections therefrom to said anodes comprising a resonant circuit, a radio frequency choke connected between said input coil mid-point and said control electrode, and a connection between said Wehnelt cylinder and said diode cathode.

2,137,546
SEAL
Raymond R. Searles, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut
Application November 5, 1936, Serial No. 109,210
1 Claim. (Cl. 288—1)



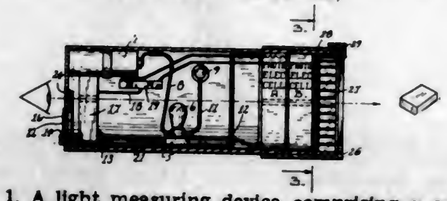
As an article of manufacture, a unitary labyrinth type of seal, including a sheet metal annulus channel-shaped in cross section opening radially inwardly, a pair of spaced apart nonmetallic seal plates in said channel at and abutting flatwise against the sides thereof and spaced apart centrally, said seal plates being securely held in said channel in spaced apart relation, and another seal plate within said channel having an opening to fit on a shaft member and rotate therewith and of an external diameter slightly less than the internal diameter of the bottom of said channel and slightly thinner than the distance between the adjacent inner sides of said first mentioned seal plates.

2,137,547
MACHINE FOR CHURNING, BEATING, OR MIXING MATERIALS
Ernest M. Snow, Greenville, S. C.
Application June 1, 1938, Serial No. 211,249
12 Claims. (Cl. 259—108)



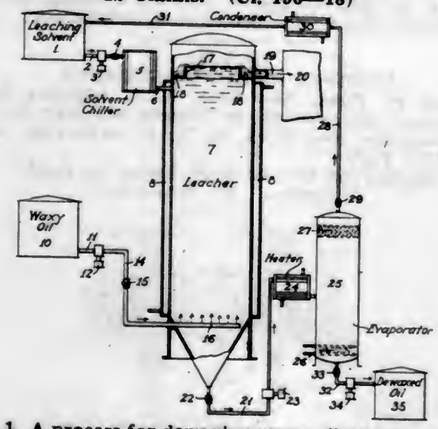
1. A machine for churning, beating or mixing materials, comprising an upstanding support, a horizontally swinging arm pivotally mounted between its ends upon the support, a drive shaft permanently secured to the arm near one end of the arm and having a socket, a pulley mounted upon the drive shaft, a motor mounted upon the arm near the opposite end of the arm, a pulley driven by the motor, a belt connecting the pulleys, a dasher rod having detachable connection with the socket to enter a receptacle, and a dasher operated by the dasher rod, the arrangement being such that the arm may be swung from over the receptacle when separated from the dasher rod to permit of the convenient removal of the dasher rod.

2,137,548
LIGHT MEASURING DEVICE
Joseph B. Strauss, San Francisco, Calif.
Application March 15, 1937, Serial No. 130,902
2 Claims. (Cl. 88—23)



1. A light measuring device comprising a cylindrical casing closed at one end by a plate having a central viewing aperture, a pair of disc like photo-electric cells in the other end of said casing in back to back relation to receive light respectively from within and without said casing, a source of light within said casing to illuminate said inwardly directed cell, a diaphragm having a variable aperture positioned between said last-mentioned cell and said light source, means for indicating the degree of opening of said aperture, each of said cells having a peephole aligned with said viewing aperture, and an electric meter electrically connected to each of said cells and having a movable pointer capable of moving across the line of sight through said casing when said cells are activated to cause said meter to read zero.

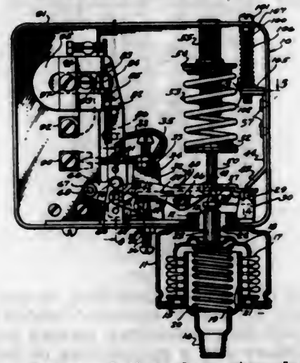
2,137,549
METHOD FOR DEWAXING OILS
Philip Subkow, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application May 10, 1935, Serial No. 20,816
12 Claims. (Cl. 196—18)



1. A process for dewaxing waxy oil which comprises chilling waxy oil to congeal the same and leaching the congealed waxy oil with a solvent which has a relatively high solvent power for the oil but a relatively poor solvent power for the wax, the temperature of leaching being sufficiently low to maintain said wax in a solid condition, said solvent being of a higher specific gravity than said wax and separating said wax from the oil solvent solution.

11. A process for separating wax from oil which comprises solidifying waxy oil on the surface of a container of cold leaching solvent, allowing sufficient contact of solidified waxy oil particles and cold leaching solvent to leach oil from said solidified waxy oil particles, skimming off substantially oil-free wax structures from the surface of the liquid in said container and withdrawing said wax particles from a point opposite the introduction of oil in said container, withdrawing oil solvent solution from a point below the surface of liquid in said container and gently agitating the solidified waxy oil in said passage to said withdrawal point.

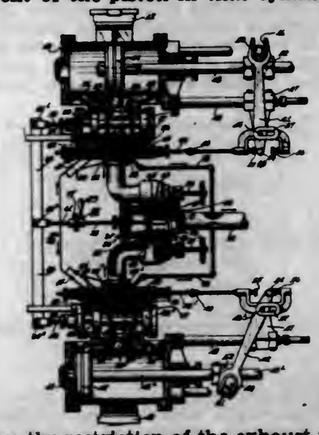
2,137,550
SWITCHING MECHANISM
Daniel G. Taylor, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application May 7, 1937, Serial No. 141,298
22 Claims. (Cl. 200—83)



1. In a device of the character described, in combination, a permanent magnet, means movable toward and away from said magnet, condition responsive means to move said first mentioned means, and means between said first and second means to transform the variable rate of restraint and attraction of said magnet to a substantially constant rate, said last mentioned means comprising a linkage arrangement between said first and second mentioned means so arranged as to vary the speed of travel of said first mentioned member in substantially direct proportion to the distance between said magnet and said first mentioned member.

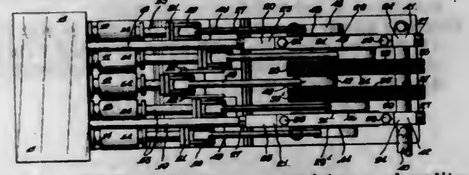
2,137,551
MOTOR
Warren P. Valentine, Philadelphia, Pa., assignor to National Transit Pump & Machine Company, Oil City, Pa., a corporation of Pennsylvania
Application October 21, 1935, Serial No. 45,991
17 Claims. (Cl. 121—115)

1. The method of operating two engines having separate cylinders, pistons, inlet and outlet passages and operating valves, and maintaining each at the average speed of the other, which consists in restricting the exhaust for the next stroke in each cylinder in agreement with the movement of the piston in that cylinder and in



relieving the restriction of the exhaust in accordance with the operation of the piston of the other cylinder during its intervening stroke, and so on.

2,137,552
MULTIPLE CRANK DRIVING MECHANISM
Warren P. Valentine, Philadelphia, Pa., assignor to National Transit Pump & Machine Company, Oil City, Pa., a corporation of Pennsylvania
Application January 25, 1937, Serial No. 122,094
4 Claims. (Cl. 74—596)

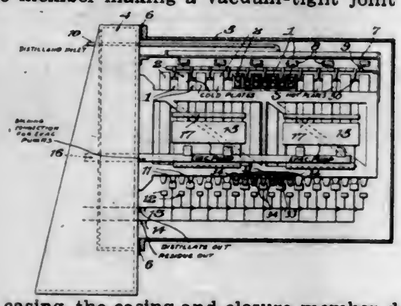


1. A multiple unit pump comprising a plurality of pump units including connecting rods, a corresponding plurality of straps connected therewith, crank pins about which the straps are placed and crank discs of two types, the one type forming each the internal member of a bearing and the other type a gear, within which discs the crank pins are mounted, two of the crank pins being outboard crank pins and the others lying between discs and being mounted in each of two crank discs, two of the crank discs forming the internal elements of bearings by which the crank shaft is supported and one of the crank discs comprising a driven gear by which the crank shaft is rotated.

2,137,553
APPARATUS FOR HIGH-VACUUM DISTILLATION
Brian Edmund Allen Vigers, Dunstable, and John Lewis McCowen, Northwich, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
Application June 15, 1936, Serial No. 85,410
In Great Britain June 14, 1935
7 Claims. (Cl. 202—205)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

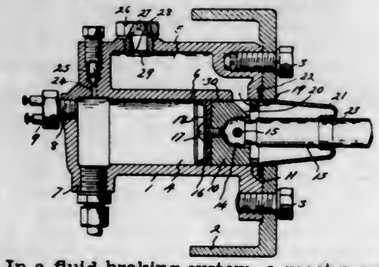
1. Apparatus for carrying out short-path high vacuum distillation, comprising a plurality of

plate-like members in parallel arrangement and having opposed substantially vertical parallel faces, means for heating alternate members so as to provide evaporating surfaces, means for cooling the members intermediate the heated members so as to provide condensing surfaces opposed to said evaporating surfaces, a casing and a closure member making a vacuum-tight joint with



the casing, the casing and closure member defining a vacuum-tight chamber surrounding the plate-like members, means for supporting said plate-like members on said closure member, conduit means extending through the closure member into the chamber for feeding raw material to the upper portion of the heated members, and means for collecting distilled material from the cooled members.

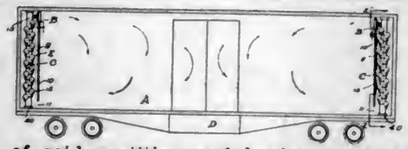
2,137,554
MASTER CYLINDER FOR HYDRAULIC BRAKE SYSTEMS
John W. White, Detroit, Mich., assignor, by mesne assignments, to Bendix Products Corporation, a corporation of Indiana
Original application November 8, 1928, Serial No. 317,933, now Patent No. 2,030,340, dated February 11, 1936. Divided and this application August 24, 1931, Serial No. 559,109
9 Claims. (Cl. 60—54.6)



1. In a fluid braking system, a master cylinder including a pumping chamber, a piston in said chamber, a supply chamber formed with a wall, means actuating said piston and extending from one end of said pumping chamber, and a hood attached to said actuating means and to said wall, said supply chamber communicating with said hood and sealing said piston at the outer end of said pumping chamber.

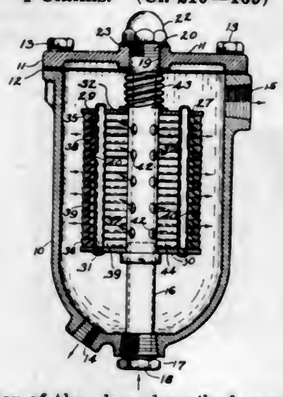
2,137,555
REFRIGERATOR CAR
Fred M. Young, Racine, Wis.
Application August 26, 1936, Serial No. 97,965
7 Claims. (Cl. 62—117)

1. A device of the class described, including a car inclosure and a refrigerator plant and comprising in combination therewith, a partition near the end of said inclosure forming a narrow vertical air passageway for the width and height of said inclosure and having an opening at the bottom thereof into said inclosure, the evaporator of said refrigerator plant being positioned in the



top of said partition and having a fan being adapted to force air therethrough, whereby the air in said inclosure is recirculated and cooled and passes through said passageway in the opposite direction to the flow of air through said inclosure.

2,137,556
OIL FILTER
Fred M. Young, Racine, Wis., assignor of one-half to Sarah R. Lorraine, Glendale, Calif.
Application December 23, 1936, Serial No. 117,298
4 Claims. (Cl. 210—169)

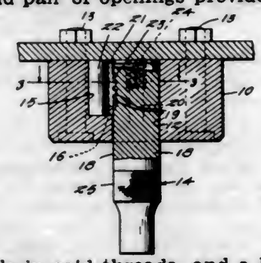


4. A filter of the class described, comprising in combination, an outer chamber and an inner chamber, said inner chamber formed by means of end members and a multiplicity of individual rings stacked one over the other and positioned between said end members to thereby form the wall of said inner chamber, means adapted to individually hold said rings in alignment, an inlet connection from the exterior of said outer chamber to the interior of said inner chamber and means whereby said rings are yieldingly held together under pressure, an outlet opening in said outer chamber whereby liquid entering said inner chamber through said inlet may pass between said rings to said outer chamber and escape through said outlet, said rings comprising narrow and wide smooth edge surfaces and being stacked with the narrow surfaces in contact with the wide surfaces of the adjacent ring.

2,137,557
PUNCH RETAINER
Ferdinand Ziganek, Detroit, Mich.
Application May 13, 1937, Serial No. 142,451
2 Claims. (Cl. 279—76)

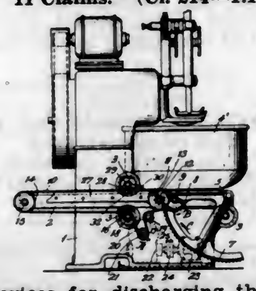
1. In a punching means, a block provided with an opening to receive a work engaging member and provided with a pair of spaced apart openings communicating with said first opening, a work engaging member positionable in said first opening, threads carried by said member extend-

ing partially about the circumference thereof and terminating in the periphery of said member, said member also having a longitudinally disposed keyway intersecting said threads, a key disposed in one of said pair of openings provided with teeth



engageable in said threads, and a helical spring in the other of said pair of openings having a portion thereof projecting into said first opening to thereby engage in said keyway to hold said member against turning.

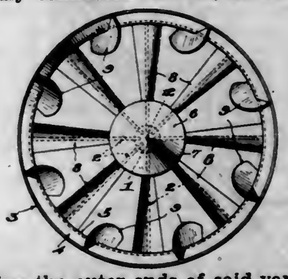
2,137,558
DEVICE FOR DISCHARGING TROUGHS
Emil Aeschbach, Aarau, Switzerland, assignor to the firm F. Aeschbach A.-G., Aarau, Switzerland
Application March 9, 1937, Serial No. 129,952
In Switzerland January 15, 1937
11 Claims. (Cl. 214—1.1)



1. In devices for discharging the troughs of machines, such as mixing and kneading machines, particularly bread mixing machines, a trough, an extensible trough carriage displaceable relative to the working position of said trough, means pivotally connecting said trough to said carriage forwardly of the latter, circulatory driving means common to said trough and said carriage for automatically successively extending said carriage and tilting said trough about its pivot axis in the extended position of said carriage into terminal position of said trough, and vice versa, means for automatically temporarily anchoring said circulatory driving means to a stationary point for effecting the displacements of said carriage by transforming the circulatory movement of said driving means to a translatory movement concomitant with the respective displacing movement of said carriage, and means for automatically releasing said driving means from said anchorage for effecting the tilting movements of said trough.

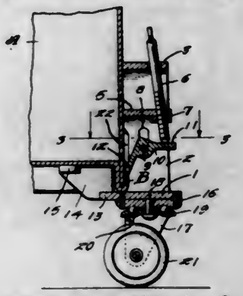
2,137,559
WINDMILL
Lucian C. Algee, Atlanta, Ga.
Application July 16, 1935, Serial No. 31,676
Renewed June 2, 1938
2 Claims. (Cl. 170—79)

1. In a windmill, the combination with a support, of a wind-wheel comprising a hub, an annular band surrounding said hub, a cone shaped member having a base of the same diameter as said hub band, mounted on said band, a series of inclined vanes radiating from the hub band and rigidly connected thereto, an annular band



connecting the outer ends of said vanes, an outwardly flared portion carried by said last mentioned annular band, and inwardly directed fins secured to both the said annular band and outwardly flared portion intermediate the ends of said inclined vanes.

2,137,560
BARREL TRANSPORT TRUCK
Harold L. Anderson, Lincoln, Nebr.
Application March 28, 1938, Serial No. 198,533
2 Claims. (Cl. 16—30)

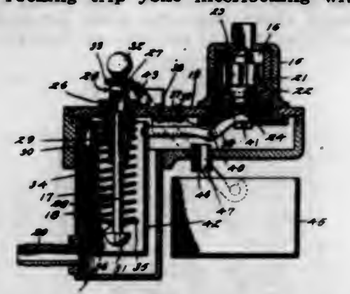


1. An article transporting truck comprising a base, an inverted substantially U-shaped body formed on and rising from the base and having diametrically opposed slots in the arms thereof, a headed supporting lug extending forwardly from the base and spaced from the body to receive a portion of the article between the same and for the article to rest upon the lug, a caster secured to the base, a lock plate pivoted between the arms and having the pivots thereof mounted in the slots, said lock plate being engageable with the article and a thumb screw mounted in the body and engaged with the lock plate for holding the latter in operative position for securing the truck to the article.

2,137,561
VALVE
Arthur N. Asselin, Fall River, Mass.
Application June 15, 1936, Serial No. 85,408
5 Claims. (Cl. 137—68)

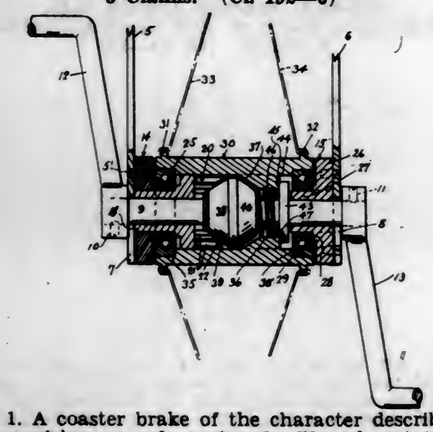
1. A valve adapted to contain water at a fixed level and for the overflow of water therefrom beyond said level, a valve member in said valve operative in opposite directions to different closing positions, respectively, operating means for said member including a float operative by rise of the water to said level to operate said member in one direction, a tensioned plunger for operating said member in the opposite direction and mov-

able to an ineffective position, and means for holding said plunger in said position and including a rocking trip yoke interlocking with said



plunger, and a pan mounted on said yoke for receiving overflow water from said valve and tripping said yoke by the weight of water therein to disengage said yoke from said plunger.

2,137,562
COASTER BRAKE
Edward S. Buchanan, Riverdale, N. J.
Application November 4, 1936, Serial No. 109,167
3 Claims. (Cl. 192—6)



1. A coaster brake of the character described comprising an axle equipped with axle rotating and stopping means, relatively stationary means including bearings journaling said axle, a tubular hub, means mounting said hub rotatably on portions of said stationary means, said stationary means including an expansible shoe fixed thereto and extending within said tubular hub, an expander cone threaded on said axle and having a surface for engaging and expanding said shoe against the interior of said tubular hub for braking the rotation of the hub relative to said axle, a pressure annulus fixed on said axle, an interior shoulder in said hub with which said annulus is arranged to frictionally engage in a direction opposite that of the expanding movement of said cone.

2,137,563
SHIRT ATTACHMENT
George W. Caraway, Bishopville, S. C.
Application May 3, 1938, Serial No. 205,812
2 Claims. (Cl. 2—120)

1. A shirt attachment comprising an elastic strap having clasps at opposite ends, each clasp having a base plate and gripping jaws, the base plate having an extension projecting a substantial distance beyond the inner jaw, to enter and



take up a fold in the shirt to which the adjuster is applied.

2,137,564
BELT FASTENER
Gustav Alfred Carlson, Chillicothe, Ill.
Application May 19, 1938, Serial No. 208,904
3 Claims. (Cl. 24—201)



2. In a belt fastener, the combination of a male and a female section, said male section comprising a flat plate provided on its inner end with an off-set, said off-set provided on its outer edge with horizontal lugs, said lugs provided on their outer ends with a bar, said female section comprising a flat plate provided near its inner end with hooks, said last-mentioned flat plate provided with a vertical bar near the outer ends of said hooks, whereby said hooks and vertical bar produce a receiving-socket, said first-mentioned bar in said receiving-socket, and said hooks positioned partly around said first-mentioned bar, and contiguous to said lugs.

2,137,565
FALSE TWIST MECHANISM FOR DRAWING TEXTILE ROVINGS
Fernando Casablancas, Sabadell, Spain
Application September 23, 1936, Serial No. 102,235
In Spain October 7, 1935
8 Claims. (Cl. 19—154)

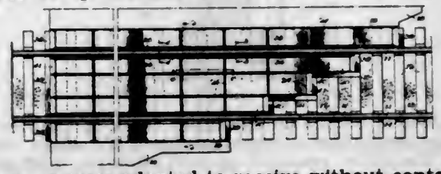


1. In a false twist mechanism for use in drawing textile rovings the combination of a frame, a plurality of sprockets rotatably mounted on the frame along the length thereof, a twist device through which a roving may be passed to receive a false twist mounted for rotation with each of the said sprockets, a pair of guide sprockets mounted on the said frame one at each end thereof, a sprocket chain passing round the said guide sprockets and engaging tangentially with the sprockets carrying the twist devices intermediate said guide sprockets, means for retaining the chain in engagement with the sprockets carrying the said twist devices, means for reciprocating the frame longitudinally, means for giving to one of the said guide sprockets a continuous rotation in one direction and means for moving one of the said guide sprockets longitudinally of the frame to adjust the tension of the said chain.

2,137,566
RAILWAY CROSSING
Charles Clare, Madison, Wis.
Application February 12, 1936, Serial No. 63,638
16 Claims. (Cl. 238—8)

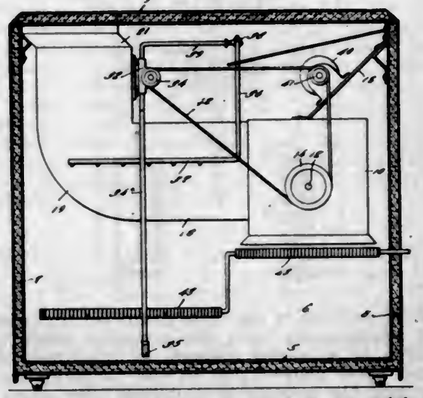
1. A slab for use in constructing crossings over tie supported railway tracks or the like compris-

ing a substantially rectangular block having substantially vertical sides of a height such that when in place the entire bottom edges thereof lie below the base flange of the track rail except at points where ties are located, one of said vertical sides being undercut at intervals therealong to



form recesses adapted to receive without contact the tie plates and spikes by which the rail is connected to the ties, whereby said slab engages the rail only at the edge of its base flange and continuously throughout the length of the slab except at points adjacent the ties.

2,137,567
AIR CONDITIONING APPARATUS
George William Coin, Manhattan, Kans.
Application June 4, 1937, Serial No. 146,517
4 Claims. (Cl. 62—129)

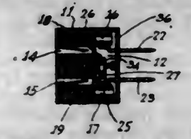


1. An air conditioning apparatus comprising a housing having a conditioned air outlet, a blower and a shell therefor mounted in the housing, a conduit extending horizontally in the housing from the shell, said conduit merging with an upwardly disposed stack terminating at the conditioned air outlet, liquid temperature changing means in the lower portion of the housing, a pump mounted in the upper portion of the housing and having an eduction pipe extending from the lower portion of the housing thereto, and spray pipes extending from the pump downwardly and along the horizontal conduit longitudinally and constructed to spray liquid onto the horizontal portion of the conduit to cool air forced therethrough by the blower.

2,137,568
PHENOLIC MOLDING POWDER
Ludwig Cserny, Wiesbaden Hessen-Nassau, Germany, assignor to The Resinous Products & Chemical Company, Philadelphia, Pa.
No Drawing. Application May 20, 1936, Serial No. 80,716. In Germany May 22, 1935
8 Claims. (Cl. 106—22)

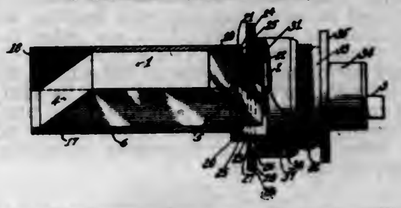
1. A process for preparing infusible, weldable molding powders which comprises partially condensing a phenol with more than an equimolecular proportion of formaldehyde in an alkaline medium, adding to the partial condensate a modifying agent which is one of the group consisting of amid-formaldehyde condensation products and condensation products of a polybasic acid with a polyhydric alcohol, and continuing the condensation until the composite product has reached a point, intermediate the B and C stages, at which ground particles of said composite product are infusible but have sufficient residual elasticity to permit their being welded together with a minimum of fluxing into a transparent unitary mass by the application of heat and pressure.

2,137,569
PLUG-IN SWITCH
Harry M. Friedman, Bayonne, N. J.
Application January 8, 1938, Serial No. 184,098
1 Claim. (Cl. 200—51)



An electric fitting comprising a body of insulating material having a recess at one end thereof, and having a pair of parallel longitudinally extending through slots on opposite sides of the axis of said body and communicating with said recess, a pair of spring contacts, means within said recess securing said contacts to said body, said contacts projecting into said slots, plug blades in the plane of said slots attached to said body and projecting outwardly therebeyond, one of said blades being in electrical engagement with one of said spring contacts, a pair of spring fingers in said recess attached to the other blade and other contact respectively, and normally in contact with one another, and a manual switch pivoted to said body and projecting into said recess for separating said spring fingers to insulate said other blade from said other contact.

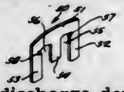
2,137,570
CAMERA ATTACHMENT
Otto C. Gilmore, Van Nuys, Calif., assignor, by mesne assignments, to Cosmocolor Corporation, New York, N. Y., a corporation of Delaware
Application January 25, 1936, Serial No. 60,776
5 Claims. (Cl. 88—16.4)



1. An attachment for converting an ordinary motion picture camera into a camera for taking color pictures that comprises a tube adapted to replace the lens tube of the camera, an erecting rhomboid prism at the outer end of said tube disposed so as to rotate the light pencil passing into the tube through an angle of approximately 90°, an objective within the tube, a light dividing prism system also within the tube, for receiving light from the objective and splitting the light into two like images, said tube comprising two movably articulated sections one holding the turning prism and the objective and

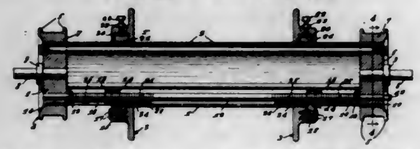
the other holding the splitting prism set, and means for moving one of said sections axially with respect to the other to focus the objective.

2,137,571
THERMIONIC TUBE CONSTRUCTION
John J. Glauber, Newark, N. J., assignor to Arcturus Development Company, Newark, N. J., a corporation of Delaware
Application July 8, 1935, Serial No. 30,342
3 Claims. (Cl. 250—27.5)



1. An electron discharge device comprising an envelope having a tubular portion, an electrode assembly positioned within said envelope, a support member attached to said electrode assembly having a radially extending flange lying within said tubular portion of the envelope, and a spacer element comprising a strip of resilient material provided with tongues extending from one edge thereof said tongues engaging the flange, and one of said tongues having a notch on the edge thereof adapted to engage cooperatively the flange of the support member whereby the spacer is held in position between the support and the tubular portion of the envelope.

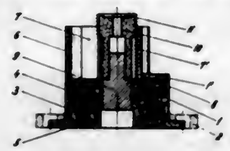
2,137,572
WARP BEAM FOR LOOMS
John Thomas Jones, Milton, Pa.
Application April 9, 1937, Serial No. 135,997
1 Claim. (Cl. 242—124)



A warp beam comprising a cylinder having slots extending longitudinally thereof, tension drums mounted on the ends of the cylinder, a feed shaft rotatably supported by said drums and lying within the cylinder, warp flanges slidable on said cylinder, feed nuts engaging the feed shaft and extending through the slots and secured on said warp flanges, said warp flanges having chambers, adjustable pressure shoes mounted in said chambers and bearing against said cylinder, ears formed on the inner face of the cylinder adjacent the slots, removable closure plates for closing portions of the slots lying between the warp flanges and engaged by said ears, and retaining elements pivoted on the plates to be positioned to engage the cylinder and cooperate with the ears in removably mounting the plates on the cylinder.

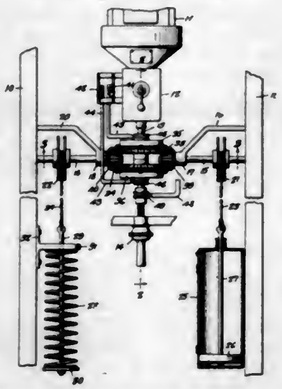
2,137,573
SCREW AND NUT DEVICE
Leone Kamenarović, Milan, Italy, assignor to Fabbrica Italiana Magneti Marelli Società Anonima, Milan, Italy, a corporation of Italy
Application March 19, 1937, Serial No. 131,970
In Italy March 28, 1936
6 Claims. (Cl. 74—424.8)

1. A holder for an adjustable screw threaded member, comprising a body, parts extending from said body parallel with and spaced from each other around an axis intermediate them, laminae each lying in a plane parallel with said axis and having edges coextensive and connected with two adjacent ones of said parts, and screw-



threaded means on the inner faces of said laminae providing a sectional screw-threaded seat in the space enclosed by said laminae, said seat being adapted to receive said adjustable member.

2,137,574
MOTOR FUEL SAVING APPARATUS
Emanuel Kromer, Spokane, Wash.
Application January 22, 1938, Serial No. 186,484
3 Claims. (Cl. 180—1)

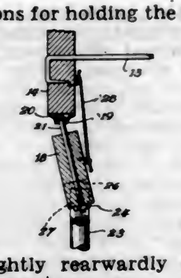


1. Apparatus of the class described comprising the combination with the propeller shaft and chassis of a motor vehicle, of oppositely disposed bevel gears loose on the propeller shaft, clutches for selectively clutching the gears to the propeller shaft, aligned shafts disposed transversely on the chassis, pinions for the aligned shafts adapted to mesh with said gears at diametrically opposite points on the gears, drums fixed to the transversely disposed shafts, cables on the drums, and means carried by the chassis and connected to the cables for storing up energy when said transversely disposed shafts are rotated in one direction to rotate the transversely disposed shafts in the opposite direction, the arrangement being such that when the vehicle is slowing to a stop said cables will be wound on the drums and when said vehicle is starting said cables will be unwound to accelerate movement of the propeller shaft.

2,137,575
DANCING DOLL
John S. Lincoln, Des Moines, Iowa, assignor of one-half to Everett C. Gage, Des Moines, Iowa
Application April 18, 1938, Serial No. 202,701
5 Claims. (Cl. 46—137)

1. In a jointed doll structure, an upper body portion, a lower body portion jointedly connected with the upper body portion for universal movement, and means yieldably connecting the

two body portions for holding the lower body por-

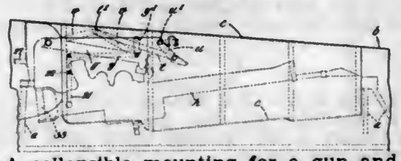


tion tilted slightly rearwardly and permitting universal movement.

2,137,576
PROCESS FOR THE TREATMENT OF ABIETYL COMPOUNDS AND PRODUCTS PRODUCED THEREBY
Edwin R. Littmann, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application No. 84,877, June 12, 1936. Divided and this application September 9, 1936, Serial No. 100,040
20 Claims. (Cl. 260—100)

1. A compound of the formula R—CH_2OH in which R is the hydrocarbon nucleus of an acid from the group consisting of rosins, rosin acids, partially hydrogenated rosins, and partially hydrogenated rosin acids, which has been treated with a hydrogenation catalyst in the absence of any added substance capable of reducing the unsaturation of the hydrocarbon nucleus under the conditions of treatment, the said compound being characterized by the fact that it has a lesser degree of unsaturation than that of a similar compound in which R is untreated.

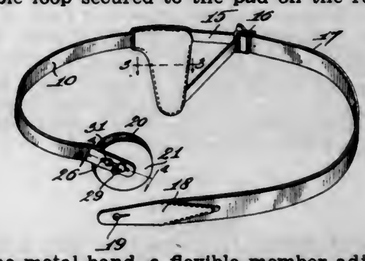
2,137,577
MOUNTING FOR GUNS AND THE LIKE
Marcel Jules Odilon Lobelle, Langley, and Edmund Voss, Hayes, England, assignors to The Fairey Aviation Company, Limited, Hayes, England
Application May 10, 1937, Serial No. 141,852
In Great Britain December 7, 1935
5 Claims. (Cl. 89—37.5)



1. A collapsible mounting for a gun and the like comprising a movable toothed sector pivotally mounted on an axis in the plane of said sector, a gun-carrying arm pivotally mounted on said sector on an axis which is perpendicular to said first axis, means for adjustably locking said arm to said sector, two levers secured to said mounting, the upper ends of said levers being adapted to engage said arm, spring means, the lower ends of said levers engaging said spring means, and at least one of said levers transmitting the moving weight of said gun to said spring means.

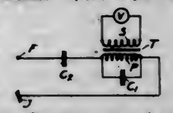
2,137,578
TRUSS
George W. Lowe, Los Angeles, Calif.
Application April 28, 1937, Serial No. 139,570
5 Claims. (Cl. 128—95)

5. In a truss, a substantially semi-circular band of metal having a certain degree of pliability, a plate formed integral with and depending from the rear end of said band, a pad carried by said plate, a one-piece pad of elastic material carried by the forward end of said metal band, a flexible loop secured to the pad on the rear end



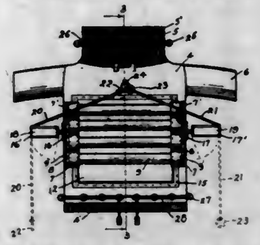
of the metal band, a flexible member adjustably connected to said loop, and means for detachably connecting the forward end of said flexible member to the end of the metal band carrying the elastic pad.

2,137,579
ALTERNATING CURRENT POWER CIRCUIT
Ragnar Olof Lundholm, Djursholms Ekeby, and Henning Spanne, Sundbyberg, Sweden, assignors to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden, a company of Sweden
Application April 1, 1936, Serial No. 72,164
In Sweden April 1, 1935
5 Claims. (Cl. 171—97)



5. In an alternating current measuring system the combination of a source of voltage, a capacitive voltage divider connected across said source of voltage, a magnetic voltage transformer having an iron core, the primary winding of said voltage transformer being connected across part of said capacitive voltage divider, a damping resistance included in series with said primary winding, an impedance connected in parallel with said damping resistance and tuned to resonance for the operating frequency, said damping resistance being so dimensioned as to suppress magnetic saturation phenomena by suppressing subharmonic current components causing such phenomena.

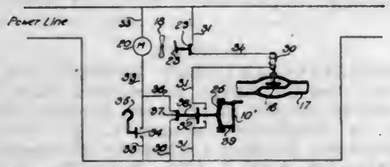
2,137,580
LIFE PRESERVER JACKET
George Mikos, Washington, D. C., assignor of one-fourth to William Chevie, Washington, D. C.
Application March 31, 1938, Serial No. 199,227
4 Claims. (Cl. 9—20)



1. A life preserver jacket of unitary structure having elastic means at the top and bottom of said jacket, the elastic means at the top of the

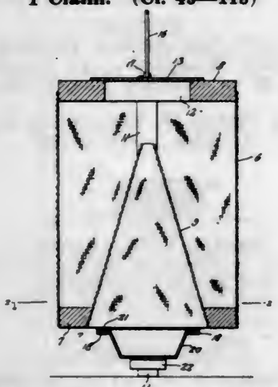
jacket forming a neck portion and holding said neck portion in an open and upright position, the elastic means at the bottom of the jacket holding the bottom in an open position, a single rectangular pocket on the front and rear of the jacket, buoyant material housed in each of said pockets, a plurality of horizontal tubular members provided with buoyant material on the front and rear of the jacket, the top and bottom portions of the jacket provided with a plurality of rings and a draw string whereby the neck and bottom portion of the jacket may be snugly drawn about the wearer of the jacket.

2,137,581
HEATER
William M. Myler, Jr., Columbus, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of New York
Application November 1, 1937, Serial No. 172,179
1 Claim. (Cl. 126—110)



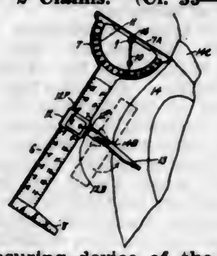
In apparatus comprising a fuel-fired radiator, and a fan for causing air to flow over the radiator whereby to abstract heat therefrom, and a main control switch for starting and stopping the fan, and a fuel supply valve for the radiator, said valve being normally closed when the fan is not running, and means dependent on the operation of the fan for opening the fuel valve, the combination of means for preventing the radiator from overheating in case the fuel valve sticks open after the fan has been shut off by said control switch, said means comprising means responsive to an abnormal heat condition at the radiator for automatically re-applying power to the fan whereby to cause the air from the fan to abstract heat from the radiator as long as said abnormal heat condition exists.

2,137,582
FLY TRAP
Joseph M. Novak, Wagner, S. Dak.
Application April 21, 1938, Serial No. 203,424
1 Claim. (Cl. 43—118)



A fly-trap comprising a substantially cylindrical casing having a reticulated peripheral wall and also having a bottom wall provided with an enlarged opening, a reticulated conical member open at its respective opposite ends and having an enlarged end fitting snugly within said opening, a pair of channel strips secured to the underside of said bottom wall in spaced parallel relation and extending across said opening, and a downwardly tapering bait pan of circular shape in cross section and having a rim engageable in the channels of said strips for cooperation with said strips for supporting the pan at the bottom of the trap close to the lower end of the cone and said pan being of much less diameter than the diameter of the lower end of the cone, and said trap also having a top wall provided with a clean-out opening, and a cover plate for said clean-out opening.

2,137,583
MEASURING DEVICE
Oluf L. Orvold, St. Paul, Minn.
Application June 29, 1936, Serial No. 87,983
2 Claims. (Cl. 33—7)

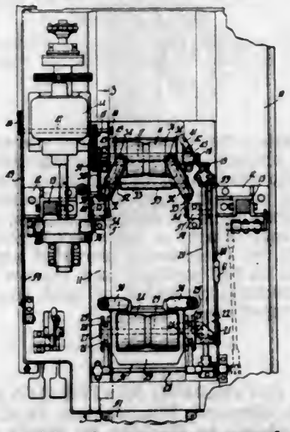


1. A measuring device of the class described comprising an elongated flat bar, a fixed foot piece the toe end of which comprises a contact piece, said foot piece extending at right angles from its lower end, a protractor fixed at the upper end of said bar in common plane with the bar and foot piece, the center of said protractor on the center line of the bar extended, an indicator finger suspended pivotally from said center point and directed toward the bar, a wing member comprising a movable contact piece slidably mounted on the bar, said bar having graduated measure markings indicating exact distances from either end of the measuring device between said contact part of the wing member and the toe of the foot piece and the outer extremity of the protractor.

2,137,584
METHOD FOR THE PRODUCTION OF SULPHUR-CONTAINING HIGH MOLECULAR WEIGHT COMPOUNDS AND THE PRODUCTS THEREOF
Emil Ott, Elsmere, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 27, 1936, Serial No. 92,942
8 Claims. (Cl. 260—17)

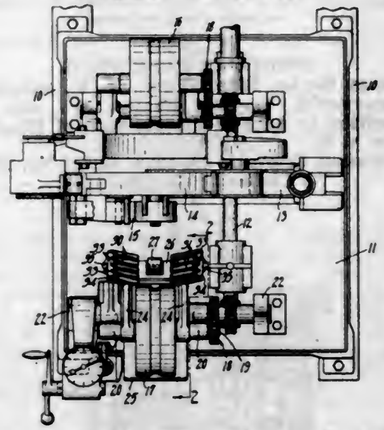
1. An organic sulphur compound consisting of the product of the addition of hydrogen sulphide to a double bond of a high molecular weight unsaturated organic compound from the group consisting of a drying oil, a semidrying oil, an unsaturated animal oil, an unsaturated wax, an ester of an unsaturated fatty acid, an unsaturated fatty acid, and a polymerized compound from the group consisting of a polymerized unsaturated aliphatic acid, a polymerized unsaturated ester, rubber, di-isobutylene, polymerized butadiene, polymerized methylbutadiene, a rubber-like polymer of mixtures of unsaturated hydrocarbons, and polymerized chloroprene.

2,137,585
WRAPPING MACHINE
Paul Pierce, Chicago, Ill., assignor to Pierce Wrapping Machine Company, Chicago, Ill., a corporation of Illinois
Application June 10, 1937, Serial No. 147,519
11 Claims. (Cl. 242—6)



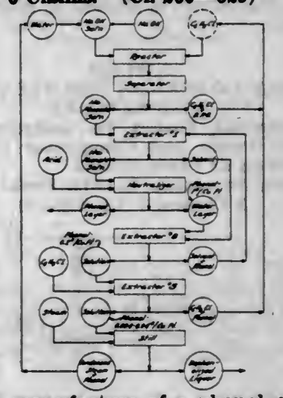
1. In a machine for wrapping annular articles, spaced drums for supporting said articles in an upright position, a pair of guide rollers pivotally cooperating with each drum, one pair of rollers being normally arranged in a vertically flaring position, and the other pair being normally arranged in a substantially horizontally flaring position.

2,137,586
WRAPPING MACHINE GUIDE MEANS
Paul Pierce, Chicago, Ill., assignor to Pierce Wrapping Machine Company, Chicago, Ill., a corporation of Illinois
Application June 10, 1937, Serial No. 147,520
3 Claims. (Cl. 242—6)



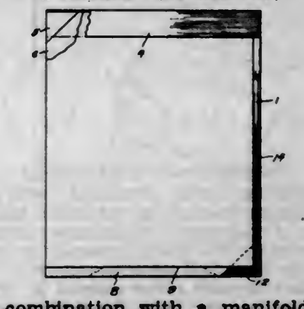
1. In a wrapping machine for annular articles, a pair of spaced drums for supporting the articles in an upright position, and means pivotally supported adjacent one of said drums to position and guide said articles, said means comprising a pair of sets of rollers, the rollers of one set being arranged in alignment with each other in a plane which lies at an angle to the vertical, and the rollers of the other set being arranged in alignment with each other in a plane lying opposite to the first mentioned plane, the arrangement being such that the respective sets of rollers are in upwardly and outwardly flaring positions.

2,137,587
SEPARATION OF PHENOLS
Noland Poffenberger, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application May 13, 1937, Serial No. 142,420
6 Claims. (Cl. 260—629)



3. In the manufacture of a phenol, wherein a halogenated aromatic hydrocarbon is hydrolyzed by heating under pressure with an aqueous alkali metal hydroxide solution, the method of recovering such phenol from the reaction product which comprises separating unreacted halogenated hydrocarbon and alkali-insoluble products from the aqueous alkaline solution of the alkali metal phenate, acidifying such solution, whereby two liquid layers are formed consisting of a phenol layer and a water layer containing some dissolved phenol, removing the phenol layer, extracting the major proportion of the phenol from the water layer with a water-immiscible solvent for the phenol, extracting such phenol from the solvent with said alkali metal phenate solution prior to acidifying the same, and removing residual phenol from said water layer by distilling with steam.

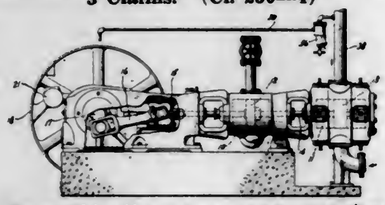
2,137,588
ALIGNER FOR MANIFOLDING SHEAVES
Roy V. Potteiger, Rochester, N. Y.
Application November 13, 1936, Serial No. 110,735
2 Claims. (Cl. 282—29)



1. In combination with a manifolding sheaf comprising copy sheets interleaved with carbon sheets, the carbon sheets being longer than the copy sheets and being diagonally truncated at their lower corners so that the corners of the

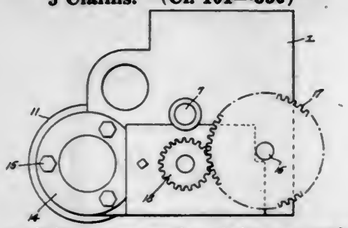
copy sheets project beyond the truncated corners of the carbon sheets, a folder comprising a back sheet with over-folded flap forming a channel to receive the upper coincident edges of the carbon and copy sheets, said back sheet being at least as long as the carbon sheets, and having a supporting corner extending beneath the said projecting corners of the copy sheets, which supporting corner being bent over the finger permits accurate individual counting of the sheets by causing said corners and the adjacent edge portions of the interleaved carbon sheets individually to spring up when the thumb is shifted to alternately release them.

2,137,589
FLYWHEEL GOVERNOR FOR STEAM DRIVEN COMPRESSORS
Ward Raymond, Easton, Pa., assignor to Pennsylvania Pump and Compressor Company, a corporation of Pennsylvania
Application November 4, 1935, Serial No. 48,161
3 Claims. (Cl. 230—4)



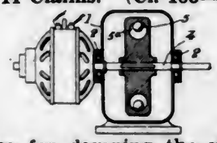
1. In combination, a compressor, a steam engine for driving said compressor, a governor for said engine comprising a centrifugally operated element pivoted on said flywheel and connected to control the speed of said engine, spring means resisting the action of centrifugal force on said element, a cylinder on said flywheel adjacent said element and having a fluid operated plunger therein, means connecting said plunger to said element, and means to admit fluid discharged by said compressor to said cylinder to force said plunger in a direction to reduce the force exerted by said spring upon said element, whereby the speed of the engine may be reduced when the compressor is operating in its unloaded condition.

2,137,590
COLOR FOUNTAIN FOR PRINTING PRESSES
Thomas G. Riordan, San Antonio, Tex.
Application October 14, 1937, Serial No. 169,020
5 Claims. (Cl. 101—350)



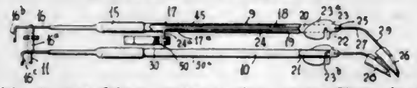
1. A printing press fountain comprising a frame, a hopper carried by the frame and having a plurality of openings in its bottom, a distributor roller carried by the frame, means for conveying ink from the openings upon the distributor roller and a rubber covered roller carried by the frame and receiving the ink from the distributor roller, said rubber covered roller and its bearing being of hollow construction and adapted to receive a supporting member which is connected with parts of a printing press.

2,137,591
VIBRATION DAMPING DEVICE
Raoul Roland Raymond Sarazin, Saint-Prix, France
Application July 18, 1936, Serial No. 91,443
In France July 24, 1935
11 Claims. (Cl. 188—1)



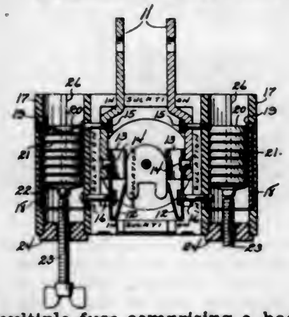
1. A device for damping the vibrations of a structure which comprises, in combination, a support rigidly connected to said structure, a shaft journalled in said support and parallel to at least a component of said vibrations, means for rotating said shaft, a fly-wheel keyed on said shaft, said fly-wheel being provided with recesses of circular radial section, and masses guided in the longitudinal direction of said shaft in said recesses respectively.

2,137,592
RECORDING INSTRUMENT
Kelvin K. Shepard, Washington, D. C., assignor of two-thirds to Herbert M. Birch, Bethesda, Md.
Application January 8, 1936, Serial No. 58,208
11 Claims. (Cl. 234—72)



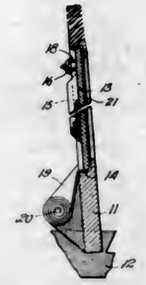
11. A marking means for recording instruments, an elongated pen arm, a pen holder, a pen carried by said pen holder, counter-balanced cam means pivotally mounting said pen holder on the outer end of said pen arm, and means carried by the pen arm adapted to engage with said counter-balanced cam means whereby to move said pen to inoperative position.

2,137,593
MULTIPLE FUSE PLUG
William Skojec, Binghamton, N. Y., assignor of one-twelfth to Paul Skojec, Sr., and five-twelfths to Andrew Stroka, both of Binghamton, N. Y.
Application February 28, 1938, Serial No. 193,139
3 Claims. (Cl. 200—125)



1. A multiple fuse comprising a body, a cylindrical magazine, screws connecting the magazine to the body and forming circuit terminals, a stack of dished fuses in said cylinder, a circuit terminal in the cylinder disposed opposite one of the first named screws and electrically connected to the other of the first named screws, and a feed screw carried by the cylinder for feeding the fuses selectively into circuit closing position between the circuit terminal in the cylinder and the first named screw.

2,137,594
SIGN EASEL
Bernard A. Slaugenhaupt, Chelan, Wash.
Application June 7, 1938, Serial No. 212,342
1 Claim. (Cl. 40—152.1)



A sign easel comprising a substantially rectangular frame, feet disposed transversely of the bottom of the frame for supporting the frame in upright position, a substantially rectangular panel in the frame, there being a rabbet formed in the bottom side of the frame receiving the lower edge of the panel, buttons swivelly secured on the frame and extending over the panel for removably securing the panel in the frame, a roller mounted upon the rear side of the frame below the panel, and a roll of paper carried by the roller extending over the front side of the panel and clamped between the frame and the edges of the panel.

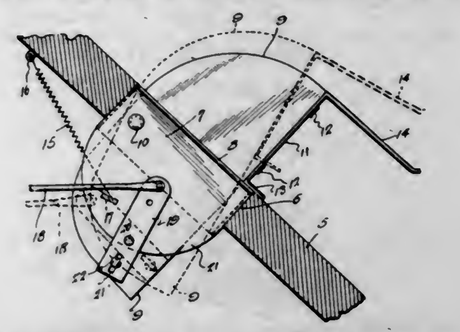
2,137,595
HAIR WAVER
Francis A. Stubbs and Jaye Cobb Sabbath, Lakeview, Ohio
Application November 6, 1937, Serial No. 173,226
4 Claims. (Cl. 132—44)



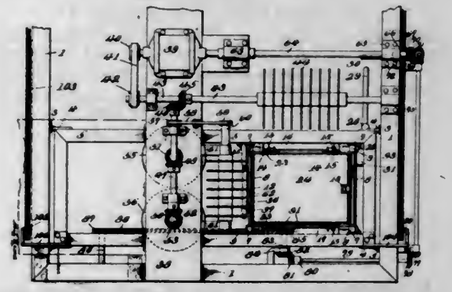
1. A resilient hair waving or curling device comprising an elongated bendable hollow body, a hair clamping member mounted about said body adjacent its central portion, the opposite end of said body being adapted to be bent inwardly to overlie said clamping member, and a head-connecting element insertible in the opposite end of said body to support said device in operative position.

2,137,596
FOOT ACCELERATOR
Edwin B. Tripp, Bensien, Mont.
Application June 5, 1937, Serial No. 146,679
3 Claims. (Cl. 74—513)

1. An automobile foot accelerator comprising a supporting member, a toe plate pivoted to said supporting member for vertical swinging movement and embodying a foot overlying portion adapted to be raised upwardly by the foot of the operator, a spring device connected with said toe plate for normally urging the latter to rotate in one direction, and means operatively connecting said toe plate with one end of an accelerator rod.



2,137,597
MACHINE FOR CUTTING ICE
Migiel J. Uline, Washington, D. C.
Application February 5, 1936, Serial No. 62,531
10 Claims. (Cl. 143—38)

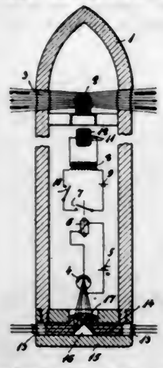


1. In a machine for cutting blocks of ice into small cubes, the combination with a frame provided with tracks, of a supporting frame provided with wheels mounted on said tracks, tracks carried by the supporting frame, an ice carriage mounted on said last mentioned tracks, means for intermittently reciprocating said ice carriage within the supporting frame and intermittently reciprocating the supporting frame within the main frame in timed relation with one another, a platform disposed within said ice carriage and pawl and ratchet mechanism for intermittently raising said platform and additional means for operating said pawl and ratchet mechanism for initially positioning said platform.

2,137,598
ARTILLERY PROJECTILE
Mauritz Vos, Stockholm, Sweden, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden, a company of Sweden
Application March 27, 1936, Serial No. 71,294
In Sweden April 2, 1935
14 Claims. (Cl. 102—29)

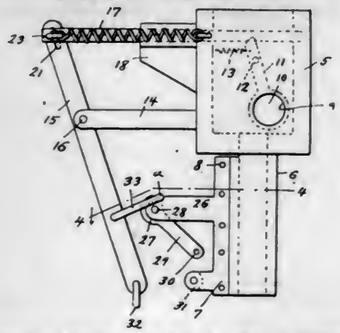
1. In an artillery projectile carrying a bursting charge, a source of light adapted to emit rays of light towards a target, means for receiving rays of light emitted from said source of light and reflected from the target, and means sensitive to

said reflected rays of light and adapted upon re-



ceipt of said reflected rays to cause detonation of the bursting charge.

2,137,599
OIL WELL LINE CONTROL HEAD
Hugh Waller, Halfway, Mo.
Application July 25, 1938, Serial No. 221,205
1 Claim. (Cl. 166—15)

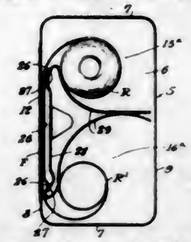


A control device for an oil well comprising a casing, having its top open and having a port in one side thereof, a barrel depending from the casing, means for attaching the barrel to the upper end of a well, a slide valve, guiding means for the same, spring means for normally holding the slide valve in position closing the upper end of the casing, a bracket extending from the casing, a lever pivoted intermediate its ends to said bracket, means for connecting the upper end of the lever to the valve, latch means for holding the lever in position with the valve in open position, a valve for closing the port, a spring for normally holding the last-mentioned valve in position closing the port and means for moving said last-mentioned valve to open position as the slide valve moves to closing position.

2,137,600
METHOD OF REMOVING FLUORSPAR FROM ZINC CONCENTRATES
Frederick C. Abbott, Tulsa, Okla., Strathmore R. B. Cooke, Rolla, Mo., and Carl O. Anderson, Baxter Springs, Kans., assignors to Mahoning Mining Company, Youngstown, Ohio, a corporation of Delaware
No Drawing. Application January 3, 1938, Serial No. 183,122
7 Claims. (Cl. 23—135)

1. A method of substantially freeing zinc sulfide concentrates of a fluorine content of the order of 0.5% present principally as calcium fluoride which comprises subjecting the concentrate to the action of sulfuric acid in concentration below approximately 45% and in large excess of the molecularly equivalent amount required to decompose the calcium fluoride and other impurities present, maintaining the acid and concentrate in contact for a long period of time without application of external heat until substantially all the calcium fluoride is decomposed by the acid, then diluting the unconsumed acid and soluble reaction products with water, separating the fluid from the solids, and finally washing the latter.

2,137,601
FILM MAGAZINE
Arthur J. Abrams, New York, N. Y.
Application July 2, 1936, Serial No. 88,564
1 Claim. (Cl. 88—17)

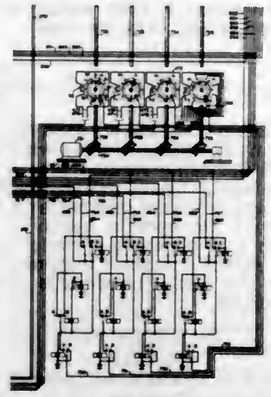


A film magazine having in combination a casing having an apertured wall, a bracket fixed within the casing, said bracket having extending arms substantially parallel with the apertured wall of the casing, the end of one of said arms being angled in a direction away from said apertured wall, the end of the other of said arms being angled in a direction toward said apertured wall, a member freely hung over said bracket and arms, said member having angled portions corresponding to the angled portions of the arms, passage space for a film strip between the apertured wall and said member, said member and said arm ends cooperating to urge the film strip into light frictional contact with the apertured wall during movement of said film in one direction.

2,137,602
WASHING OUT OF WEAK GASEOUS ACIDS FROM GASES CONTAINING THE SAME
Hans Baehr, Leuna, Helmut Mengdehl, Huels, and Wilhelm Wenzel, Leuna, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application August 26, 1936, Serial No. 98,096. In Germany November 28, 1933
2 Claims. (Cl. 23—2)

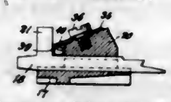
1. The process of washing out a weak gaseous acid from the class consisting of hydrogen sulphide and carbon dioxide from a gas containing the same in admixture with hydrocyanic acid and cyanogen, which comprises washing the gas in a first stage with a liquid alkaline agent selected from the class consisting of alkaline carbonates and hydroxides, thereby removing the hydrocyanic acid and cyancgen from the gas, washing the gas in a second stage with a substance selected from the class consisting of alkylol amines and alkali metal salts of amino carboxylic acids, thereby removing said weak gaseous acid from said gas, heating said substance to drive off said weak gaseous acid to thereby regenerate said substance and returning said substance to said second gas washing stage.

2,137,603
STOCK QUOTATION BOARD SYSTEM
Allison A. Clokey, Rutherford, and Gilbert S. Vernam, River Edge, N. J., assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application November 13, 1930, Serial No. 495,370
15 Claims. (Cl. 177—353)



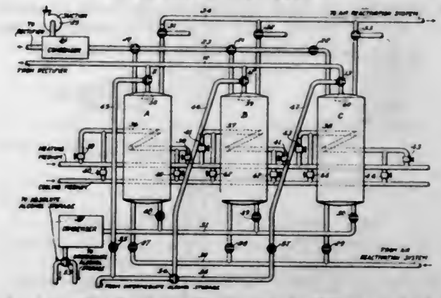
6. In a stock quotation system, a stock quotation board having a plurality of registers for indicating respectively the several orders of digits and the fractions of the price, separate and continuously rotating shafts on which the registers for indicating each order of digit and the registers for indicating the fractions are freely mounted, a commutator associated with each shaft and a group of counting relays associated with each commutator, register control circuits selectable in accordance with received signals for selectively clutching to their associated shafts the registers for indicating any order of digits and the registers for indicating the fractions, circuits likewise selectable in accordance with received signals for grounding a predetermined segment on each of the commutators associated with the last-mentioned shafts, and means whereby the grounded commutators cooperate with their associated counting relay groups to retain the selected registers clutched to their associated shafts until said registers have been driven through at least one revolution, and then to declutch said selected clutch registers in accordance with the ground on the respective associated commutators.

2,137,604
MOBILE VERGE PLATE FOR KNITTING MACHINES
Carl Deitenbach, Jamaica, N. Y.
Application November 30, 1937, Serial No. 177,209
3 Claims. (Cl. 66—110)



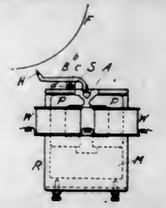
1. In a knitting machine having a sinker head provided with a cap bar and a plurality of divider and sinker elements movable transversely in grooves therebetween, said sinkers having raised projections rearwardly of the cap bar, a verge bar floatingly secured on said cap bar, said plate having a down-reaching flange entering the space between said bar and projections, and a flat spring plurally undulated interposed between said flange and cap bar.

2,137,605
METHOD OF DRYING ALCOHOL
Ralph B. Derr, Oakmont, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 24, 1937, Serial No. 132,874
4 Claims. (Cl. 183—4)



1. A method of producing anhydrous and absolute alcohols comprising passing alcohol vapors containing water vapor through a bed of freshly reactivated alumina adsorbent moistened with sufficient liquid alcohol before contact with alcohol vapors, to satisfy its adsorptive capacity for alcohol.

2,137,606
PICTURE TELEGRAPH
Adolf Eulenhöfer, Berlin-Tempelhof, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application June 26, 1936, Serial No. 87,476
In Germany July 5, 1935
2 Claims. (Cl. 178—13)

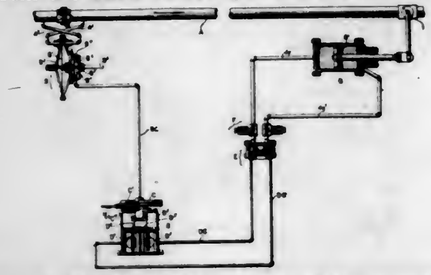


1. A reproducing arrangement for picture-telegraph apparatus comprising a writing lever, an electromagnet for actuating said lever, a bar rigidly fixed at its end for supporting said lever, said bar being stressed in tortion upon movement of said writing lever, said writing lever consisting of a rod supported by said bar at a point intermediate its ends and provided at one end with a writing point and at the other end with an unpolarized iron armature which is arranged in the field of said electromagnet, to move the writing point into operative position.

2,137,607
REGULATOR
Andrew J. Fisher, Sparrows Point, Md., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 13, 1935, Serial No. 10,778
3 Claims. (Cl. 60—51)

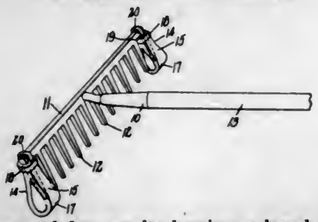
1. An air-hydraulic regulator comprising a combination, a hydraulic servo-motor, a reservoir chamber communicating with the atmosphere, a subjacent pair of pressure chambers, separate liquid connections between said pressure chambers and the servo-motor, and each serving for the transmission of liquid from the

corresponding chambers to the servo-motor or for the return of liquid from the latter to the chamber, according to the direction of servo-motor operation, a control valve mechanism adjustable into three different operating conditions, in one of which it supplies compressed air to one of said pressure chambers and permits the exhaust of fluid into said reservoir chamber from the other of said pressure chambers, and



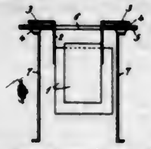
in the second of which it supplies compressed air to the last mentioned chamber and permits the exhaust of fluid from the other pressure chamber into said reservoir chamber, and in the third of which it supplies compressed air to neither of said pressure chambers, and means permitting the return of liquid to said pressure chambers from said reservoir chamber in the third condition of said valve mechanism.

2,137,608
GUARD FOR RAKES
Walter K. Flavin, Arlington, Mass.
Application October 28, 1936, Serial No. 107,927
6 Claims. (Cl. 55—10)



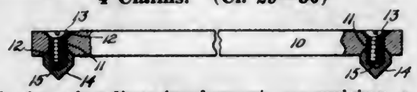
3. A guard for a rake having a head and teeth, comprising a body portion adapted to yieldingly embrace a tooth of said rake, and a yieldable band fast to said body portion and adapted to engage the head of said rake and hold said body portion on said tooth.

2,137,609
ELECTRON TUBE
Alfred Gaebel, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application March 16, 1937, Serial No. 131,187
In Germany March 16, 1936
3 Claims. (Cl. 250—27.5)



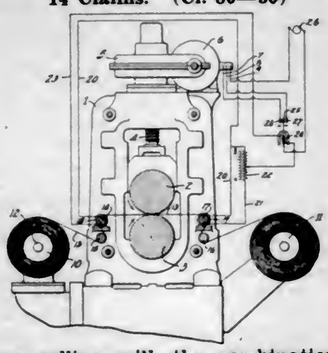
3. An electrode structure for electron tubes comprising electrodes, extensions carried by said electrodes, an insulating disc having an opening through which said extensions pass and rivets extending through said disc, said extensions being flatly welded to said rivets on the side of said disc remote from said electrodes.

2,137,610
ABRADING INSTRUMENT
John W. Gallo, Revere, Mass.
Application January 9, 1937, Serial No. 119,747
4 Claims. (Cl. 29—80)



1. An abrading implement comprising a file provided upon its opposite sides with abrading surfaces, said file being formed with a plurality of holes extending therethrough; calk devices reversibly mounted within said holes and adapted to support said file upon a bench or the like with either of said abrading surfaces uppermost and to hold said file against movement on said bench or the like while the work is moved back and forth thereon.

2,137,611
GAUGE CONTROL APPARATUS
Willard R. Hetler, Edgewater, N. J., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 20, 1933, Serial No. 694,440
14 Claims. (Cl. 80—56)



1. In a rolling mill, the combination of an electrical generator driven by the material entering the mill, an electrical generator driven by the material leaving the mill, each of said generators having their electrical outputs opposed through resistances proportional to the percentage gauge reduction desired, and means for indicating deviation from the desired reduction.

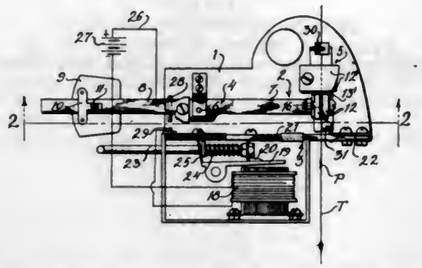
2,137,612
MACHINE GUN AND AUTOMATIC SMALL ARMS
Percy Reuben Higson, Sidcup, England, assignor to Vickers-Armstrong Limited, Westminster, England, a British company
Application May 4, 1937, Serial No. 140,614
In Great Britain May 13, 1936
3 Claims. (Cl. 42—3)



1. A machine gun or automatic small arm of the gas operated type comprising a mounting, a

plurality of barrels, a breech body and gas cylinder common to all of said barrels, said barrels being revolubly mounted within said mounting about the axis of said gas cylinder so as to bring any one of said barrels individually into register with said breech body and into communication with said gas cylinder, a gas block associated with each barrel and having a gas port communicating with its associated barrel and adapted to register with a further port in said gas cylinder when its associated barrel is in the firing position in which it registers with the breech body.

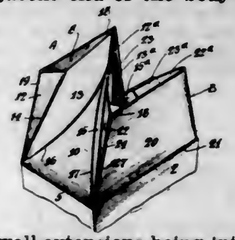
2,137,613
DEVICE FOR CLEANING STRAND MATERIAL
Earl G. Hill and Warren A. Seem, Forty Fort, Pa.; said Hill assignor to said Seem
Application February 17, 1937, Serial No. 126,137
1 Claim. (Cl. 28—64)



In a device for cleaning a travelling thread, the combination with a thread engaging and stopping mechanism, of a thread measuring gauge comprising: a balancing member pivotally mounted for movement with and in the travelling direction of the thread; a first pair of plates secured to said member in parallel facing relation, the facing surfaces of said first pair of plates being spaced for the free passage of a normal portion of the thread, but adapted to be frictionally engaged by a thickened portion abnormally projecting from the two diametrically opposed sides of the thread adjacent thereto, thereby moving said member; a bracket connected to said member; a second pair of plates mounted on said bracket in parallel facing relation and so carried thereby that the edges of said second pair of plates are disposed at right angles to the edges of said first pair of plates and spaced therefrom, the facing surfaces of said second pair of plates being spaced for the free passage of a normal portion of the thread but adapted to be frictionally engaged by a thickened portion abnormally projecting from the two remaining diametrically opposed sides of the thread whereby to move the member; and means controlled by the movement of said member for actuating said thread engaging and stopping means.

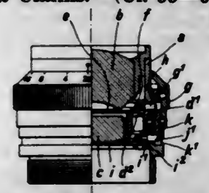
2,137,614
CONTAINER
Hutchinson S. Hinkle, Bethany, Conn., assignor to National Folding Box Company, New Haven, Conn., a corporation of New Jersey
Application November 2, 1936, Serial No. 108,725
13 Claims. (Cl. 229—16)

1. A container including, a plurality of side walls forming a tubular body and side wall extensions extending from said side walls and adapted to form a closure, one pair of opposite side wall extensions being folded inwardly to form a truss over the adjacent end of the body and another



pair of side wall extensions being interfolded and mutually overlapping under said truss.

2,137,615
PHOTOGRAPHIC OBJECTIVE
Sylvester Huber, Jena, Germany, assignor to the firm Carl Zeiss, Jena, Germany
Application March 10, 1937, Serial No. 130,020
In Germany March 21, 1936
2 Claims. (Cl. 95—64)



1. In a photographic objective, a diaphragm with adjustable aperture, lens members disposed at least partly on the image side of the said diaphragm, another diaphragm with adjustable aperture, this other diaphragm being disposed on the image side of the said lens members, and an actuating device, this actuating device being coupled to the said two diaphragms in such a manner that the diaphragm on the image side of the said lens members covers those parts of the opening of the objective which are not traversed by the imaging rays.

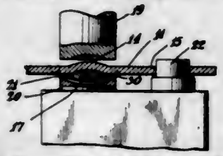
2,137,616
SYNTHETIC RESIN AND METHOD OF MAKING THE SAME
James Victor Hunn, Chicago, Ill., assignor to The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application June 21, 1935, Serial No. 27,747
5 Claims. (Cl. 260—8)

1. The method of producing soluble, oil acid-modified polyhydric alcohol-polybasic acid resins, which comprises heating essentially maleic acid and the acids obtainable upon hydrolysis of linseed oil at elevated temperatures in the substantial absence of free glycerol until reaction between the acids has taken place, and then adding glycerol to the acid mass and continuing the reaction until a homogeneous, soluble resin is obtained.

2,137,617
ELECTRICAL CONTACT AND METHOD OF MAKING THE SAME
Robert H. Imes and Hal F. Fruth, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application March 4, 1936, Serial No. 67,010
13 Claims. (Cl. 29—155.55)

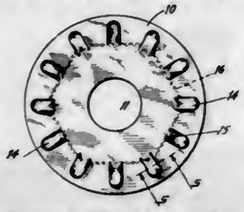
1. The method of making an electric contact which comprises providing an annular groove in

one face of a sheet of backing metal, placing a quantity of lower melting point contact metal in contact with said face in the area surrounded by said groove, heating the assembly thus produced to a temperature above the melting point of said contact metal, whereby it is fused to said



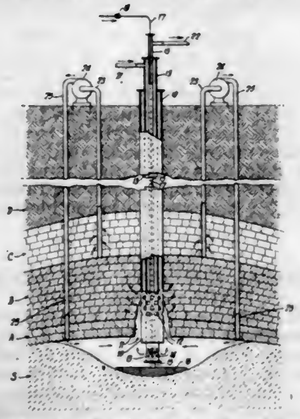
backing metal, cooling said assembly and punching a disc from an area of said backing metal sheet including at least part of the area within said annular groove, said groove serving to limit the flow of the melted contact metal during said heating.

2,137,618
FISHING LEADER REEL
Albert H. Krimmel, Denver, Colo.
Application March 7, 1938, Serial No. 194,409
2 Claims. (Cl. 242—118)



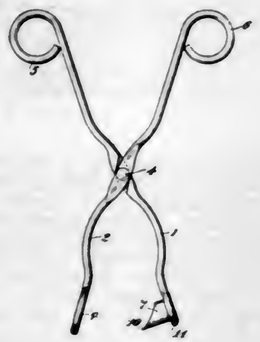
1. A leader reel comprising: a disc having a series of U-shaped cuts in its face; tabs turned outwardly from said cuts to form means for receiving a wound leader; said tabs being bent to present a convex face to said leader throughout their length so that the edges thereof will not contact said leader.

2,137,619
PROCESS AND APPARATUS FOR MINING SULPHUR
Clarence O. Lee, Port Sulphur, La., assignor, by mesne assignments, to Freeport Sulphur Company, a corporation of Delaware
Application April 10, 1936, Serial No. 73,606
7 Claims. (Cl. 262—3)



1. The process of mining sulphur occurring in rock strata over salt domes of the Gulf Coast type by underground fusion in which the rock strata includes a stratum of anhydrite overlying the salt dome, which process comprises the steps of drilling a well entirely through the rock strata into the salt, then counterboring the lowermost strata to provide a passage for molten sulphur through the anhydrite stratum, casing the well through the rock strata into the salt in a manner which provides for ingress of mining fluid and egress of molten sulphur, initiating the mining operation by the admission of heated mining fluid comparatively salt free, forming a brine therewith by leaching out a cavity in the salt, and thereafter continuing the mining operation with the brine formed by causing it to pass into the rock formation whereby sulphur is melted and then collected in the cavity provided.

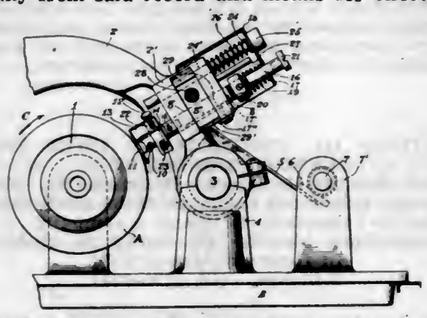
2,137,620
CREAM REMOVING DEVICE
Frances L. Meissner, Brooklyn, N. Y.
Application June 14, 1938, Serial No. 213,651
7 Claims. (Cl. 221—23)



1. In a device of the class described, a pair of arms pivoted together to form a tong-like member, the outer end of one of said arms being provided with a cutter spout, the other of said arms being provided with an abutment member through which said cutter spout extends when said tongs are closed, said cutter spout arm being adapted to be extended into a container and said abutment arm being adapted to contact the outer wall of the container whereby the side wall of the container is partially severed when said tongs are forceably closed to permit the contents of the container adjacent said cutter spout to flow through said cutter spout.

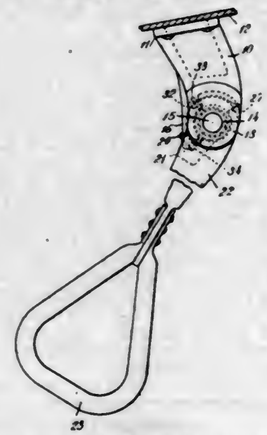
2,137,621
PHONOGRAPH RECORD RESURFACING TOOL
Walter H. Miller, South Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application September 18, 1937, Serial No. 164,477
15 Claims. (Cl. 82—1.1)

1. In a phonograph record shaving machine including means for rotating a cylindrical record: a resurfacing tool comprising a knife blade having a cutting edge engaging the record, said cutting edge being concavely shaped as viewed radially from said record and means for effecting



relative movement between the record and said resurfacing tool longitudinally of the record.

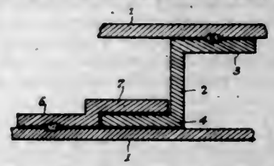
2,137,622
HAND STRAP
George Rolfe Munro, Massapequa, and Walter Cabble Dilg, Hewlett, N. Y., assignors to Waugh Equipment Company, New York, N. Y., a corporation of Maine
Application February 17, 1938, Serial No. 190,998
7 Claims. (Cl. 105—354)



1. In a hand strap, the combination of a bracket having an attaching portion, a pair of spaced lugs on the bracket, a shield on the bracket lying between and spaced from the lugs at one side thereof, a pin mounted in the lugs, a hanger having a pair of spaced lugs mounted on the pin and lying between the lugs and shield on the bracket, and a shield on the hanger extending partly around the pin on the other side thereof from the bracket shield, the hanger being rotatable about the axis of the pin with its movement limited by engagement of the shields.

2,137,623
PANEL STRUCTURE
Delavan S. Mussey, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 22, 1937, Serial No. 138,384
8 Claims. (Cl. 189—34)

1. A sound-deadening panel structure comprising spaced and opposed sheets, co-acting structural stiffening members disposed between said sheets and secured thereto through the medium of a resilient adhesive and spot welds,

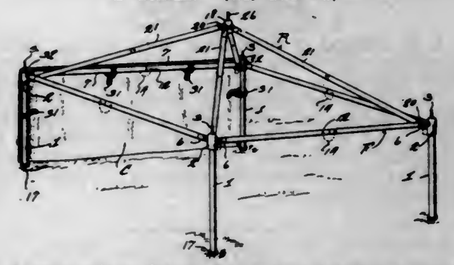


said welds extending through said resilient adhesive.

2,137,624
STABILIZING TREATMENT
Joseph A. Nock, Jr., Tarentum, and Fred Keller, New Kensington, Pa., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application January 21, 1936, Serial No. 60,130
6 Claims. (Cl. 148—21.1)

1. A method of stabilizing the properties of age-softening cold worked aluminum base alloys containing from about 1 to 6.5 per cent magnesium, said method comprising heating the cold worked alloy to 150 to 400° F. for a period of 15 minutes to 20 hours.

2,137,625
TENT
Davie W. Norvell, Greensboro, N. C.
Application April 30, 1935, Serial No. 19,082
1 Claim. (Cl. 135—4)

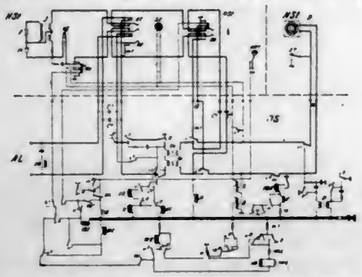


A supporting frame for a tent having a pyramid roof comprising corner posts, a side arm interposed between each pair of adjacent corner posts, means for pivotally connecting the extremities of the side arms to the upper end portions of the corner posts, a crown member, rafter arms, means for pivotally connecting the upper end portions of the rafter arms to the crown member, and means for detachably and pivotally connecting the lower end portion of each rafter arm to a corner post at a point below the pivotal connections of the side arms with said post, the pivotal connections for the side arms and rafter arms permitting independent up and down movement of each of the corner posts and also a lateral swinging movement of the corner posts.

2,137,626
TELEPHONE SYSTEM
Hermann Quarg, Berlin-Tegel, Germany, assignor to Mix & Genest Aktiengesellschaft, Berlin-Schoneberg, Germany, a company
Application November 23, 1935, Serial No. 51,243
In Germany November 27, 1934
13 Claims. (Cl. 179—18)

1. In a telephone system, an exchange, a main telephone station, a line connecting said main station and said exchange, a subordinate

station, a two-wire line connecting said subordinate station and said main station, switching means associated with the main station adapted for causing the actuation of a call signal at either the exchange or the main station, a first means at said extension station for applying a ground



to said line while leaving said line otherwise intact to actuate a call device only at said exchange, and separate means at said extension station for causing a periodically interrupted current to flow serially through both wires of said line to actuate a call device only at said main station.

2,137,627

CLARIFICATION OF VINYL RESINS

Marion C. Reed, Lakewood, Ohio, assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application May 14, 1936, Serial No. 79,708

8 Claims. (Cl. 260—2)

1. A method of clarifying vinyl resins, which comprises dissolving the resin in an organic solvent, adding to the solution so formed an acid of the group consisting of phosphoric, tartaric, citric, lactic, salicylic, and succinic acid, the amount of said acid addition being sufficient to coagulate suspended colloidal matter in said solution, and filtering the solution to remove the coagulated material.

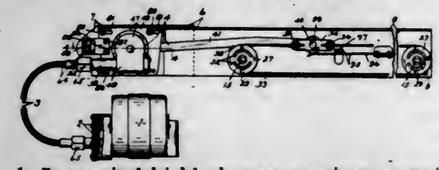
2,137,628

WINDSHIELD CLEANER

Gordon B. Sayre, Syracuse, N. Y.

Application September 25, 1934, Serial No. 745,430

12 Claims. (Cl. 15—255)



1. In a windshield cleaner, a wiper-operating shaft, a drive element for operating said shaft, means including a power transmission mechanism operatively connecting the drive element with the shaft comprising a clutch including relatively movable elements having operative engagement with each other only at a predetermined position thereof with respect to each other and adapted to be actuated by the drive element to provide the clutch with a time lag whereby the drive element will be automatically connected with the shaft only after a predetermined amount of movement of the drive element following a slight movement thereof relative to the driven element as the clutch is being disengaged, clutch control means, a manually operated element cooperating with the transmission mechanism and said control means to engage or disengage the clutch and means actuated by the transmission mechanism when the clutch has been disengaged for controlling the operation of the drive element.

2,137,629

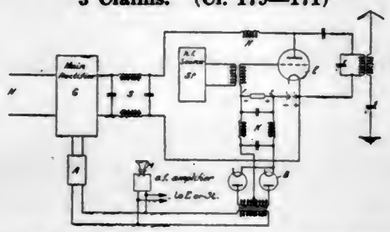
METHOD OF CONTROLLING HIGH FREQUENCY TRANSMITTERS

Erich Schulze-Herringen, Braunschweig, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company

Application May 2, 1935, Serial No. 19,469

In Germany May 2, 1934

3 Claims. (Cl. 179—171)



1. The method of controlling a high frequency transmitter employing a vacuum tube terminal stage for delivering a high frequency carrier modulated in accordance with modulating frequencies, said vacuum tube stake including cathode, grid and anode, means for supplying direct current potential to the anode and means for supplying a biasing potential to the gride, so as to maintain the high frequency carrier constant, said method comprising varying the direct current potential of the anode in accordance with the average amplitude variations of the modulating frequencies, displacing the working point of the said terminal stage by the anode reaction resulting from such varying of the anode potential, and simultaneously varying the biasing potential of the grid in accordance with the average amplitude variations of the modulating frequencies so as to compensate for the displacement of said working point whereby the output of the transmitter will be constant magnitude for varying values of anode voltage.

2,137,630

SLIDE RULE

Nicholas Sinitzin-White, Westport, Conn., assignor of one-third to John L. R. Glover, Fairfield, Conn., and one-third to Nicholas N. Solovioff, Milford, Conn.

Application January 3, 1936, Serial No. 57,349

5 Claims. (Cl. 235—70)



1. A slide rule comprising a cylindrical casing having a logarithmic scale arranged in rows on the cylindrical surface thereof, a cylindrical member mounted in said casing for rotational and longitudinal movement relative thereto and having a logarithmic scale arranged in rows parallel to said rows on the casing for cooperation with said scale on the casing, the scale on said member being visible through a part of the casing circumferentially spaced from the area occupied by said scale on the casing, and means rotatably mounted on the casing and movable longitudinally with respect thereto for measuring a fixed circumferential distance between the scales on said casing and member to correlate the graduations thereof.

2,137,631

HOLDER FOR CLEANING PADS OR THE LIKE

Lawrence Stern, Woodmere, N. Y., assignor to American Steel Wool Mfg. Co. Inc., New York, N. Y.

Application January 20, 1936, Serial No. 59,825

1 Claim. (Cl. 15—154)



A holder of the class described comprising two relatively movable elongated members of substantially rigid material, said members having confronting surfaces between which a pad may be held and adjacent flat plane end-surfaces at one end of the holder engageable on the pad to exert pressure thereon to force the pad against the object treated thereby, the flat plane end surface of each of said members being substantially larger in area than the cross section of said member whereby to distribute the pressure exerted on said pad over a relatively large surface area thereof, said members being substantially straight from end to end and the ends terminating in said larger surfaces being bevelled whereby said members are inclined upwardly from the work-engaging surface of the pad when said end surfaces are in engagement therewith and parallel to the work-engaging surface of the pad.

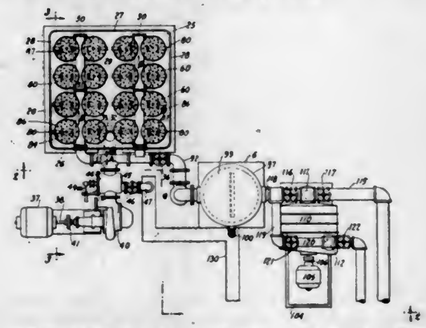
2,137,632

METHOD OF DYEING, EXTRACTING, AND DRYING VARIOUS TEXTILES, AND THE APPARATUS THEREFOR

Ernest A. Stienen, New York, N. Y.

Application April 27, 1937, Serial No. 139,180

3 Claims. (Cl. 8—156)



1. The method of treating a textile, devoid of manually contacting with the same, consisting in locating the textile in a receptacle, dyeing said textile while in said receptacle, extracting surplus fluids from said textile while in said receptacle, blowing said textile from said receptacle into a second receptacle with a stream of air and finally drying the textile with a stream of air.

3. In an apparatus of the character described the combination of a lower receptacle for a textile, an upper receptacle positioned with its open end down, means to detachably lock the upper receptacle above and to the lower receptacle, means to blow streams of air into and through the lower receptacle to blow the textile therein into the upper receptacle, a conduit, piping extending from said conduit, means to detachably connect the upper receptacle to said piping and means to force air through the textiles in the said upper receptacle.

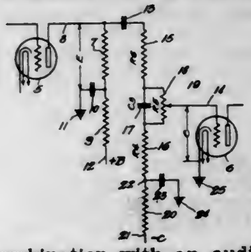
2,137,633

LOW FREQUENCY TONE CONTROL SYSTEM

Arthur C. Stocker, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application March 31, 1937, Serial No. 134,108

7 Claims. (Cl. 179—171)



1. The combination with an audio frequency signal transmission circuit, of a low frequency tone control network connected in shunt with said circuit and comprising two resistance elements of the order of the resistance of the transmission circuit connected in series between the high and low potential sides of said circuit, means providing a capacity in series with and connected between said resistance elements, the capacitive reactance thereof being relatively low with respect to the resistance of said resistance elements in a higher frequency range above a predetermined upper limit of the low frequency tone control range, an output circuit, and means including a potentiometer device directly in shunt with said capacity means for variably including said capacity means in said last named circuit.

2,137,634

PRESS PLATEN

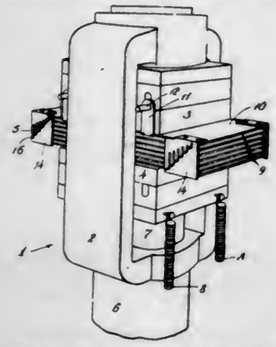
Leslie T. Sutherland, Yonkers, N. Y., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey

Application April 30, 1937, Serial No. 139,983

5 Claims. (Cl. 18—17)

5. A press for curing resin impregnated sheet material involving the subjection of said sheet material to a series of successive pressing steps along the length of the material, comprising a pair of cooperating relatively movable press platens, a plurality of resilient plates between said platens secured to one platen and arranged to be moved by the other platen, means on one of said plates to guide the remainder of said plates from closed to open positions and to hold said plates in spaced relation while in open position, said plates extending beyond the ends of said platens in directions substantially parallel to the length of the material a distance such that the

ends of said plates do not form press marks on said material and being constructed and arranged so that the pressure exerted on the material tapers from a maximum between the press platens to a minimum at the ends of said plates, said plates also being of a rigidity and elasticity



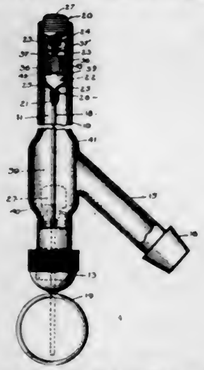
such that they are temporarily slightly deformed by the pressure to which they are subjected but not sharply bent at the ends of the platens, so that press marks are not produced on the sheet material at the ends of said platens or at the ends of said plates.

2,137,635

EMBALMING IMPLEMENT

Ralph W. Tyler, Hancock, N. Y.

Application December 21, 1935, Serial No. 55,667
17 Claims. (Cl. 27—24)



1. A device comprising a tube, gripping jaws, an operating rod operatively associated with said gripping jaws, and means controlled by friction resulting from substantial frictional engagement with a surface of said tube and pivotally connected to said gripping jaws and arranged in cooperative relation with said operating rod for actuating said gripping jaws.

2,137,636

MOISTUREPROOFING PROCESS AND PRODUCT PRODUCED THEREFROM

Harold J. Barrett, Wilmington, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 29, 1934, Serial No. 759,691
17 Claims. (Cl. 91—68)

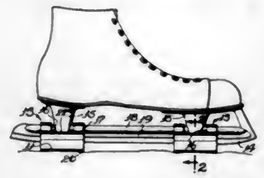
11. A flexible, transparent, moistureproof, heat sealable film comprising a non-fibrous cellulosic base coated with a composition comprising a wax material and a film-forming component, said film-forming component consisting of a polymerized alpha-beta, unsaturated carboxylic acid ester.

2,137,637

ATTACHMENT FOR SKATES

James P. Jorgensen, Beloit, Wis.

Application February 14, 1938, Serial No. 190,366
9 Claims. (Cl. 280—11.38)



8. An attachment for protecting the blade of a tubular ice skate comprising a rigid ground-engaging portion of substantial width and laterally yieldable resilient arms upstanding from said portion to receive the skate blade therebetween and embrace a substantial length of the skate tube when said blade edge is disposed above said portion, said arms engaging said tube along the under side thereof and gripping the sides of the tube with sufficient force to transmit the weight of the skate wearer directly to said portion and thereby hold said blade edge out of contact with said portion.

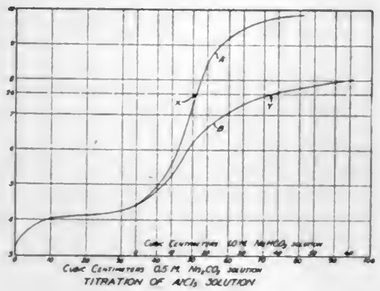
2,137,638

ALUMINUM HYDROXIDE HYDROGEL AND PROCESS FOR MAKING IT

Clarence W. Sondern and Charles J. Wesley Wiegand, Kansas City, Mo., assignors to George A. Breon & Company, Inc., Kansas City, Mo., a corporation of Missouri

Application August 13, 1937, Serial No. 158,882
6 Claims. (Cl. 23—143)

1. A hydrogel of aluminum hydroxide containing a relatively small amount of incompletely hydrolyzed aluminum carbonate.



2. The method of preparing an aluminum hydroxide hydrogel which comprises neutralizing an aqueous solution of an aluminum salt with an alkali carbonate to the order of 60 to 90% of complete neutralization, and then completing the neutralization of said solution with an alkali bicarbonate.

2,137,639

LIGHT METAL ALLOY

Hans Steudel and Heinz Wiechell, Dessau, Germany, assignors to Junkers Flugzeug-und-Motorenwerke, Aktiengesellschaft, Dessau, Germany

No Drawing. Application March 28, 1935, Serial No. 13,436. Renewed October 18, 1938. In Germany November 22, 1934
2 Claims. (Cl. 75—147)

1. A machine part subject to sliding friction constructed of an alloy consisting of about 0.1 to 2 per cent of magnesium, about 2 to 10 per cent of iron, with a balance of aluminum, said alloy possessing great ductility, a high heat strength and favorable sliding properties.

2,137,640

FLEXIBLE GUN MOUNT CONTROL

Clem G. Trimbach, Eggertsville, and Camille R. Lemonier, Kenmore, N. Y., assignors, by mesne assignments, to Curtiss-Wright Corporation, a corporation of New York

Application April 14, 1936, Serial No. 74,278
6 Claims. (Cl. 89—37.5)



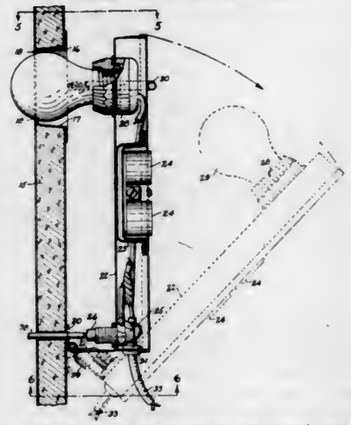
1. In a gun carriage movable along a track, a pair of spaced levers pivoted intermediate their ends to the carriage, one end of each lever being arranged for movement into contact with the track, a rock arm pivoted to said carriage between said lever pivots, the rock arm ends being arranged for engagement with the other ends of respective levers, said rock arm when in substantially horizontal position, engaging both lever ends for holding both levers positively in track engagement, an operating member for rocking said rock arm, and resilient means acting directly upon said operating member for holding said rock arm in position for lever-end engagement.

2,137,641

TERMINAL RECEPTACLE FOR GAS RANGE OVEN LIGHTS

Joseph Becvar, Wickliffe, Ohio, assignor to The Cleveland Cooperative Stove Company, Cleveland, Ohio, a corporation of Ohio

Application February 23, 1937, Serial No. 126,981
5 Claims. (Cl. 240—5)



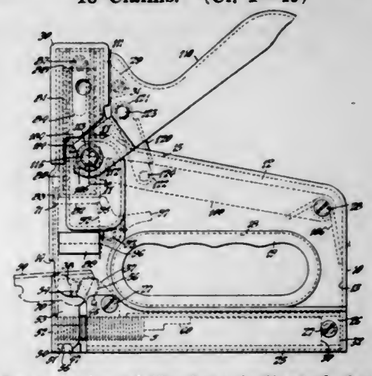
2. In a range having an oven compartment with a rear wall and an aperture in said rear wall, a terminal receptacle, hinge means connecting the receptacle to the rear wall of the oven and supporting the receptacle in rearwardly spaced relation therefrom, a socket carried by said receptacle and spaced rearwardly from the oven wall, an electric bulb carried in said socket and extending forwardly therefrom and seating in said aperture when the receptacle is in operating position, switch means, electrical connections between the switch means and the socket, lead wires connected in a circuit with the switch means and socket, and means yieldably urging said receptacle into a position to hold the bulb seated in said aperture with the socket and shank of the bulb exposed in spaced relation to the rear wall of the oven.

2,137,642

FASTENER-APPLYING IMPLEMENT

John F. Cavanagh, Providence, R. I., assignor to Boston Wire Stitcher Company, Warwick, R. I., a corporation of Maine

Application May 24, 1937, Serial No. 144,406
18 Claims. (Cl. 1—49)



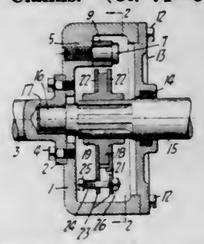
1. In a device of the type indicated, fastener-applying means including a reciprocable driver, a spring for actuating the driver, means operatively connected to the driver for holding the latter in inoperative position, means independent of the last-named means and movable relatively of the driver to compress the spring, and a pivoted lever for actuating the movable means, said pivoted lever actuating the holding means after the spring is compressed whereby to release the driver.

2,137,643

OVERRUNNING CLUTCH

Charles P. Cirac and Thomas W. Cooper, San Francisco, and William W. MacDonald, Mountain View, Calif., assignors, by direct and mesne assignments, to Cirac Automatic Reverse Control Company, San Francisco, Calif., a corporation of California

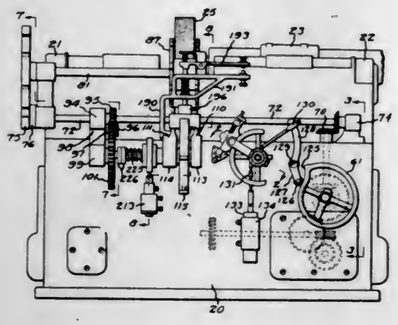
Application April 3, 1937, Serial No. 134,880
4 Claims. (Cl. 74—576)



1. An over-running clutch comprising: a driver;

a driven member; a ratchet wheel associated with said driven member; a pawl pivoted to said driver; means for urging said pawl in engagement with said ratchet wheel; a cam plate in slidable frictional engagement only with said ratchet wheel; means for applying a predetermined pressure between said cam plate and said ratchet wheel; a cam surface on said cam plate having a portion extending above the level of said ratchet wheel adapted to hold said pawl out of engagement with said ratchet wheel when said driven member is rotating faster than said driver and a portion extending below the level of the teeth in said ratchet wheel adapted to permit said pawl to engage said teeth when said driver is rotating faster than said driven member; and means for limiting the travel of said cam plate relative to said driver.

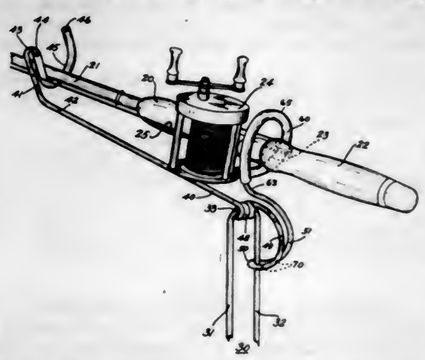
2,137,644
GRINDING MACHINE
Raymond A. Cole, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application March 26, 1936, Serial No. 70,950
11 Claims. (Cl. 51—165)



1. In a grinding machine, a grinding wheel, means for presenting work pieces seriatim to the grinding wheel, means for measuring the size of each work piece after it is ground, compensating mechanism to change the position of the grinding wheel with respect to a work piece responsive to the means for measuring the size of each work piece, and means to stop operation of the compensating mechanism for a limited time to prevent over-compensation by reason of passage of a plurality of work pieces already ground through the means for measuring the size of each work piece.

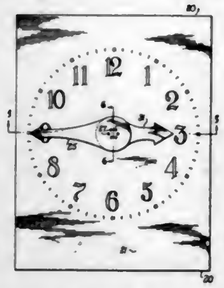
2,137,645
SUPPORTING BRACKET
Clarence A. Doench, Dayton, Ohio
Application June 21, 1937, Serial No. 149,383
4 Claims. (Cl. 248—40)

1. A fishing pole holder comprising, in combination, a U-shaped standard having two legs secured together at one end by a bight; a one-piece support having a series of convolutions fitting about said bight rotatably to secure the support to the standard and having also a U-shaped bend at one end and a ring-shaped bend at the other end, said bends providing receptacles to receive and hold the fishing pole, and a fold in the support, between the convolutions and ring-shaped bend providing a stop adapted to engage



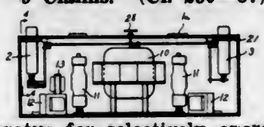
a leg of the standard to hold the support in one position relatively to said standard.

2,137,646
INSTRUCTION DEVICE FOR TIME TELLING
William C. Dorr, Brooklyn, N. Y., and James R. Putnam, Waterbury, Conn., assignors to The Waterbury Clock Company, Waterbury, Conn., a corporation of Connecticut
Application January 19, 1937, Serial No. 121,298
7 Claims. (Cl. 35—39)



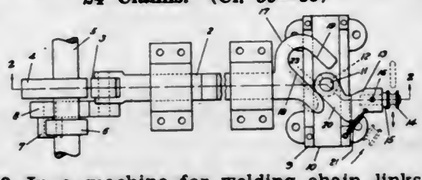
1. An instruction device of the class described, comprising: a plate-like body-member; a manually-rotatable primary minute-indicator carried by the said body-member for indicating minute-designating characters; primary hour-indicator also carried by the said body-member and manually rotatable independently of the said primary minute-indicator to indicate hour-designating characters; a rotary secondary minute-indicator of plate-like form carried by the said body-member and bearing minute-indicating indicia, the said secondary-indicator being operatively connected to the said primary minute-indicator; and a rotary secondary hour-indicator of plate-like form also carried by the said body-member and bearing hour-indicating indicia, the last-named secondary-indicator being operatively connected with the said primary hour-indicator, one of the said disk-like secondary indicators having a rim-portion projecting beyond the rim-portion of the other disk-like secondary indicator, and each of the said secondary-indicators being movable by and concurrently with its connected primary-indicator, whereby the secondary-indicators are movable to time-indicating positions bearing informative time-telling relationship to time-indications concurrently indicated by the said primary-indicators.

2,137,647
X-RAY APPARATUS
Edward B. Graves, South Euclid, Ohio, assignor to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio, a corporation of Ohio
Application October 28, 1937, Serial No. 171,503
9 Claims. (Cl. 250—87)



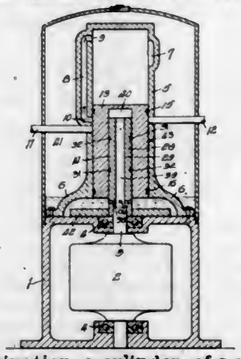
1. Apparatus for selectively operating a plurality of double-filament X-ray tubes comprising a pair of terminals for each tube, a source of high tension current, switch means arranged to selectively connect said source to any pair of said terminals, one terminal of each pair having a plurality of conductors providing connections for selective energization of the filaments of its tube, a pair of X-ray tube filament transformers, said switch means being arranged to simultaneously connect the secondaries of both transformers to the respective filaments of the selected tube, and means for selectively energizing the primary windings of said transformers.

2,137,648
CHAIN-LINK JOINT WELD IRONER
Velemir Grgich, Columbus, Ohio
Application March 16, 1936, Serial No. 69,009
24 Claims. (Cl. 59—35)



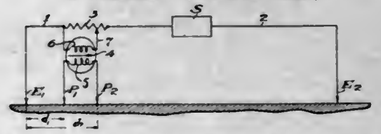
22. In a machine for welding chain links, a movable swaging member engageable with the outer side of the link, containing a welded joint, a cam shaft, and means actuated by said cam shaft for moving said swaging member lengthwise over the outer side of that portion of the link containing the welded joint.

2,137,649
COMPRESSOR AND SIMILAR DEVICE
William J. Hilliard, St. Clair, Mo.
Application October 23, 1936, Serial No. 107,201
5 Claims. (Cl. 230—173)



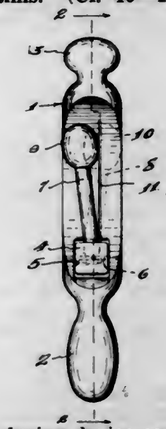
1. In combination, a cylinder, of a rotary member having an endless way formed with its end turn disposed upon one side of the member and its stretches intersecting each other midway the end turns on the other side of the member, a member reciprocably mounted upon the rotary member, a drive member including a cylindrical body having a transverse tongue connecting said first mentioned members, and said drive connection being mounted to oscillate between the first mentioned members during their respective movements.

2,137,650
APPARATUS FOR ELECTRICAL EXPLORATION OF SUBSURFACE
John Jay Jakosky, Los Angeles, Calif.
Application June 7, 1937, Serial No. 146,781
2 Claims. (Cl. 175—182)



1. An apparatus for use in determining the geologic nature and characteristics of the subsurface, which comprises: a pair of electrodes electrically connected to the earth and spaced from one another by a known distance along the earth's surface, a source of unidirectional energizing current; conductors connecting said source to said electrodes; a resistor inserted in one of said conductors between one of said electrodes and said source, whereby a unidirectional potential is produced across said resistor which varies with the value of the energizing current flowing during the operation of said source; means for obtaining a unidirectional potential which varies with the value of said energizing current and the geologic nature and characteristics of the subsurface traversed by said current, including electrode means; an indicating instrument having two coils; and means associating one of said coils with one of said potentials and the other of said coils with a variable portion of the other of said potentials.

2,137,651
SOUND PRODUCING DEVICE OR RATTLE
Marshal H. Larrabee, Skaneateles, N. Y.
Application February 18, 1936, Serial No. 64,528
2 Claims. (Cl. 46—193)



1. A sound producing device comprising a substantially straight resonator body having a handle at one end, the body having a thin flattened

portion beyond the handle, a rocking member extending transversely through the body and fulcrumed on the body, hammers carried by the rocking member and extending at an angle thereto into positions opposed to the opposite sides of the flattened member, whereby upon shaking of the body, the hammers alternately strike opposite sides of the flattened portion, said flattened portion being slotted in a direction lengthwise thereof, the slot dividing the flattened portion into reedlike sections of different width, and the hammers being arranged to strike respectively on said sections, whereby different tones are produced by the hammers striking the different sections.

2,137,652

FASTENER DEVICE

Everett E. Lundberg, Clifford B. Doty, and Edward R. Hathaway, Detroit, Mich., assignors to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application August 21, 1936, Serial No. 97,234
13 Claims. (Cl. 24—259)



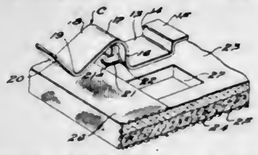
1. A fastener device for a trim panel having an aperture formed therein, comprising a relatively flat base insertable in said aperture having an upstanding lug adapted to abut an end wall of the aperture and an end extension substantially in its plane adapted to overlap the edge of the panel aperture adjacent said end wall, an upstanding abutment spaced from said lug and a portion offset from the base and extending outwardly from said abutment adapted to overlap the opposite edge of the panel aperture, and a spring bow extended from said offset portion and having a gripping extension.

2,137,653

FASTENER DEVICE.

Everett E. Lundberg, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application August 27, 1936, Serial No. 98,231
4 Claims. (Cl. 24—259)



1. A fastener device for a trim panel, comprising a substantially flat base, a pair of longitudinally spaced upstanding abutments extending from the base, a tongue formed from the metal of one of said abutments and extending substantially in the plane of the base, a flange extending from the other of said abutments and offset from said base, and a spring gripping member extending from the first named abutment, said base forming substantially an inflexible connection between said abutments.

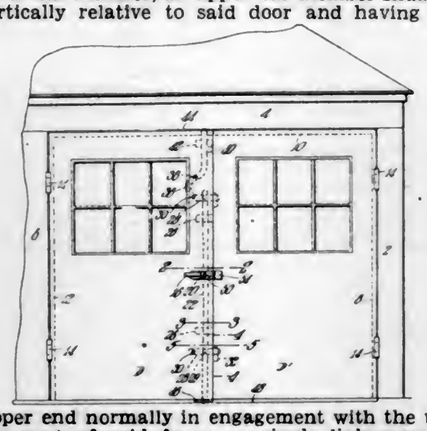
2,137,654

DOOR FASTENING MEANS

Julio Reis, Ludlow, Mass.

Application January 25, 1938, Serial No. 186,825
3 Claims. (Cl. 292—5)

1. The combination with a frame having a door opening and a door hinged thereto at its outer edge for swinging between open and closed positions of a means for securing said door in said closed position comprising, an operating member pivoted to the door, a lower bar member slidable vertically relative to the door and having its lower end normally in engagement with a lower part of said frame, a pivotal connection between said operating member and said lower bar member, an upper bar member slidable vertically relative to said door and having its



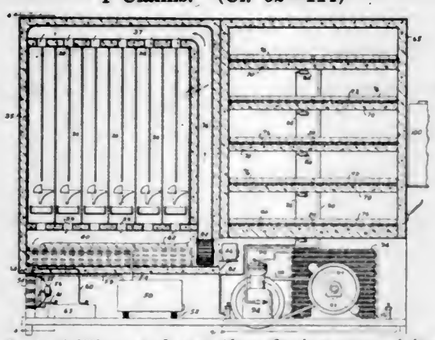
upper end normally in engagement with the upper part of said frame, a single link member having a transverse part pivoted to said lower bar member and a curved part pivoted at its upper end to the lower end portion of said upper bar member, and a pivotal connection between an intermediate portion of the link member and the door, all adapted and arranged whereby movement of said operating member on its pivot causes upward movement of said lower bar member and actuates said link member to move said upper bar member downwardly.

2,137,655

APPARATUS FOR FREEZING AND DISPENSING COMESTIBLES

Clarence A. Rodman and John B. Tanner, Detroit, Mich.

Application October 18, 1934, Serial No. 748,882
4 Claims. (Cl. 62—114)



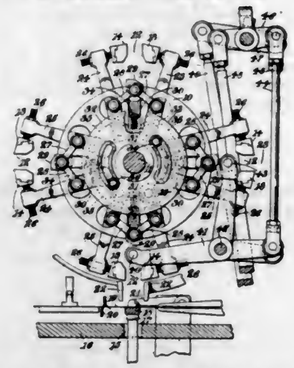
1. A chilling and aerating device comprising a chamber adapted to receive a comestible mixture, insulation surrounding the chamber, a plurality of ducts extending through the chamber for conducting a refrigerating medium, a spiral blade embracing each of said ducts and projecting outwardly therefrom, and driving means connected with each of the blades for causing movement of the blades relative to the ducts.

2,137,656

WRAPPING MACHINE

Alfred German Rose, Gainsborough, England, assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England, a British company

Application September 7, 1937, Serial No. 162,808
In Great Britain September 14, 1936
8 Claims. (Cl. 93—7)



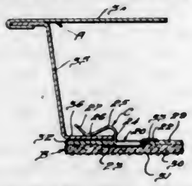
1. In a wrapping machine of the type described, the combination of a rotatable pocket-wheel having a plurality of article-receiving pockets each of which comprises a pair of relatively movable gripper jaws, and a single control means common to the several pockets and operable at will to vary, simultaneously in all the pockets the minimum separation between the elements of each pair of jaws.

2,137,657

FASTENER DEVICE

Frederick N. Ross, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application July 30, 1936, Serial No. 93,371
10 Claims. (Cl. 24—259)



1. A fastener device for a trim panel having an aperture formed therein, comprising a relatively flat base insertable in said aperture having an end flange substantially in its plane adapted to overlap one edge of the panel aperture, a flange at the opposite end of the base and offset therefrom to overlap the opposite edge of said aperture, and a spring gripping member extended from the base, said base forming substantially a rigid connection between said flanges and gripping member, and said second named flange and gripping member being disposed at the same side of the base.

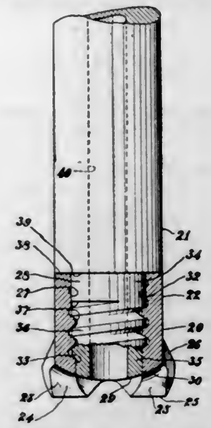
2,137,658

DRILLING TOOL

Edward F. Terry, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application October 9, 1937, Serial No. 168,193
1 Claim. (Cl. 255—64)

A drilling tool, comprising a hollow body portion, cutting wings on the body portion, a shank extending through the body portion, interlocking threads on the shank and the body portion, pilot portions on the shank forwardly and rearwardly of the threads to engage the body portion, convex



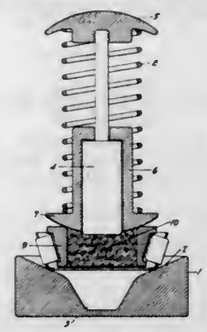
surfaces between the cutting wings, and a convex surface on the shank coinciding with the said convex surfaces.

2,137,659

BEARING PACKER

Ferdinand G. Welke, San Francisco, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application November 23, 1936, Serial No. 112,245
4 Claims. (Cl. 184—1)



2. A device for forcing lubricant into the space between the body and cage of a hollow bearing assembly comprising an indented seating member adapted to engage the cage of said bearing assembly, a plunger adapted to pass through the central opening of said bearing assembly, a guide for said plunger adapted to cover the central opening of said bearing, and spring means normally holding said plunger within said guide.

2,137,660

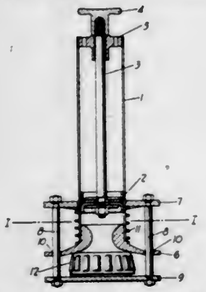
BEARING WASHER

Ferdinand G. Welke, San Francisco, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application July 17, 1937, Serial No. 154,242
1 Claim. (Cl. 141—1)

A portable bearing cleaner comprising a hand pump having a cylinder, and a piston therein, a hollow cone-shaped member attached to one end

of said cylinder and in communication therewith, a collar slidably mounted on said cylinder, spring means normally holding said collar and said cone shaped member apart, a plate opposite the outer face of said cone-shaped member, and distance



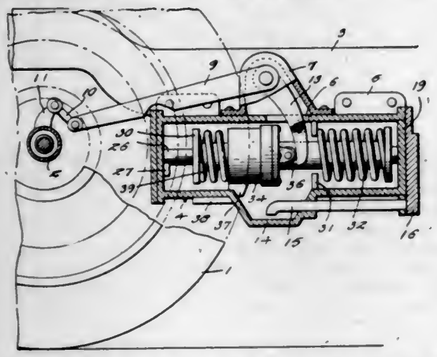
pieces slidably connected to said cone-shaped member connecting said collar and plate in spaced relationship.

2,137,661
AIR BREEZING APPARATUS
Helman Abrams, Greenville, S. C.
Application July 22, 1937, Serial No. 155,080
3 Claims. (Cl. 62—130)



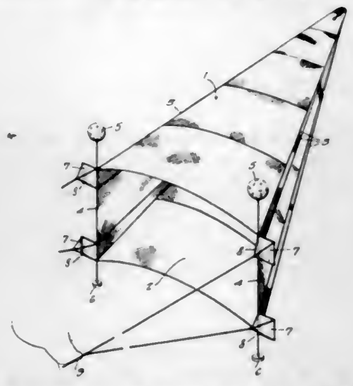
2. An air conditioning apparatus comprising a tube, ice trays mounted within the tube, and means at the opposite ends of the tube for forcing oppositely traveling air streams into the tube, said tube having an air discharge opening along its side.

2,137,662
HYDRAULIC SUSPENSION FOR MOTOR VEHICLES
Juan A. Alvarez, Habana, Cuba
Application October 26, 1937, Serial No. 171,154
12 Claims. (Cl. 267—15)



1. Mechanism of the character described for connection between a vehicle wheel axle and overlying chassis, comprising a housing attached to the chassis, a lever pivotally attached at one end to said axle, a pivotal connection between the lever adjacent its other end and the housing, the said other end constituting a thrust finger extending into the housing, a fluid in the housing, a unit shiftably mounted in the housing and comprising two relatively movable elements, said finger engaging one of the elements to force the unit in one direction upon oscillation of the lever, said unit elements being hollow to receive fluid from the housing, fluid transfer means between the elements, resilient means placed under tension upon shifting of the unit in one direction by the finger, means permitting circulation of fluid from the housing thru the unit and back to the housing, and means operating automatically to close the fluid transfer means when the unit is moved by the thrust of said finger in a direction to tension said resilient means and to open said transfer means when the pressure of said thrust is relieved.

2,137,663
TRAWL NET
Charles A. Aspenburg, Wildwood, N. J.
Application September 28, 1937, Serial No. 166,213
1 Claim. (Cl. 43—9)



A trawling net comprising a walled net body tapering inwardly from the front to the rear end thereof, and the front end being open to provide a mouth, lines fastened to said body at the opposite sides of the mouth, floats secured to the upper ends of said lines, weights secured to the lower ends thereof and cooperating with the floats in supporting the lines substantially perpendicular, a door at each end of the opposite sides of the mouth, each door having one of the edges thereof secured to and coincident with a line, spaced pairs of core lines having their forward ends fixed to the first lines and extending longitudinally of the body in converging relation from the upper and lower ends of said edges of the doors, and toward the rear end of the body, bridles fastened to said doors, and tow lines connected to the bridles.

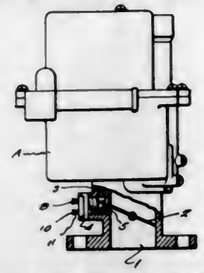
2,137,664
α,β-DIHALOGENETHYLKETONES
Otto Bayer, Leverkusen, and Johannes Nelles, Leverkusen-Schlebusch, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application November 6, 1936, Serial No. 109,610. In Germany November 12, 1935
5 Claims. (Cl. 260—592)

1. The product of the probable formula

$$C_6H_5.CO.CHCl.CH_2Cl$$

this product being substantially identical with that obtainable by causing benzoylchloride to react upon vinyl chloride in the presence of a Friedel Craft's catalyst.

2,137,665
CARBURETOR
Lynn Crockett, Flint, Mich.
Application May 21, 1937, Serial No. 144,038
2 Claims. (Cl. 261—41)



2. In combination with a carbureter having a main passage, a low speed passage and a throttle valve for controlling the passage of fuel through the main passage, a part having a large port and a small port therein connecting the low speed fuel passage with the main passage for permitting fuel to pass from the low speed fuel passage into the main passage, the small port leading into the main passage on the engine side of the throttle valve when the valve is closed and said valve when closed separating the ports, a needle valve for controlling the large port, a second needle valve for controlling the small port and that portion of the wall of the main passage to which the large port opens out having a groove therein extending lengthwise of the main passage and in communication with the outlet end of the large port for preventing said large port being entirely closed by the throttle valve when said throttle valve moves slightly to open position from a fully closed position.

2,137,666
SKI TRUE
William O. Davies, Great Kills, N. Y.
Application August 16, 1937, Serial No. 159,243
3 Claims. (Cl. 280—11.37)



3. A ski true comprising an elongated spine of relatively rigid material, said spine having substantially flat lower and upper sides, and a pair of clamps attached thereto, said clamps being set substantially inward from the ends of said spine, at least one of said clamps including two jaws and means adjustably secured to said spine for supporting each of said jaws adjustably on each flat side of said spine, respectively, and for drawing said jaws toward said spine whereby adjustably to press each member of a pair of skis against each of said flat sides of said spine.

2,137,667
MODIFYING NATURAL FATS, OILS, AND WAXES
William R. Eipper, Dallas, Pa., assignor to Industrial Chemical Research Company, Wilkes-Barre, Pa.
No Drawing. Application December 8, 1936, Serial No. 114,866
10 Claims. (Cl. 99—23)

1. A synthetic non-blooming chocolate containing an ester comprising a hexa-hydric alcohol derived from one of the saccharides completely esterified in molecular proportion with the fatty acid constituents of natural chocolate, said ester being present in sufficient quantity to prevent blooming.

9. The method of stabilizing the low melting point fatty acid constituents of butter against deterioration due to temperature changes comprising completely esterifying molecular proportions of the fatty acid constituents of natural butter and an alcohol derived from one of the saccharides and having a greater molecular weight than that of glycerol, and adding said ester to natural butter in quantities sufficient to stabilize the low melting point fatty acid constituents thereof.

2,137,668
INDICATOR TAP KNOB
Francis C. Fisher, Syracuse, N. Y.
Application January 31, 1938, Serial No. 187,976
2 Claims. (Cl. 40—8)

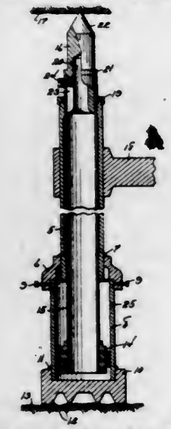


1. A knob of the class described comprising a substantially spherical head, a portion of which is flat and tilted upwardly and said head having a chamber therein opening out through the flat tilted portion, an annular seat in said flat portion and surrounding the adjacent portion of the chamber, the walls of said adjacent part of the chamber having notches therein passing through portions of the seat, a plate having its periphery engaging the seat, spring prongs connected with the peripheral part of the plate and frictionally engaging the notches for holding the plate in position.

2,137,669
MOUNTING
Frederick A. Fowler, Nevada City, Calif.
Application January 24, 1938, Serial No. 186,692
4 Claims. (Cl. 255—53)

1. A drill mounting comprising a piston rod casing, a drill supporting arm secured on said casing and adapted to adjustably accommodate a drill thereon, a cylinder secured to one end of said casing and provided with a head for engagement with a wall of a drift, a piston rod operable in said casing, a piston operable in said cylinder and connected about one end of said rod,

and means carried by the other end of said rod for engaging the opposite wall of the drift, said cylinder of a larger diameter than said casing whereby as a consequence said head engages an



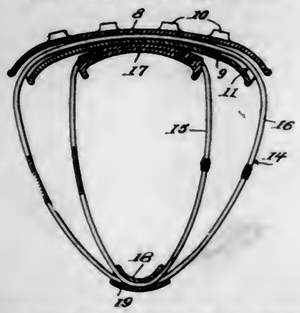
area of said first mentioned wall of a greater diameter than said casing to counteract torque and twist transmitted to said casing from said arm to maintain the mounting in fixed position between said walls.

2,137,670

VEHICLE WHEEL TIRE

Jayson E. Gillespie, Lincoln, Nebr.

Application May 3, 1937, Serial No. 140,549
2 Claims. (Cl. 152—288)



2. A cushion tire comprising a yieldable casing having a chamber, annular superimposed plates arranged in said chamber and one of said plates having offset portions embedded in the casing, coiled resilient elements fitting one within the other and having the convolutions passing between said plates, said plates having grooves to receive the convolutions of said resilient elements, and transversely curved and superimposed annular plates receiving therebetween the convolutions of said coiled elements and positioned opposite to the first-named plates and of a width less than the width of the first-named plates and having grooves in their opposing faces to receive the convolutions of said coiled elements.

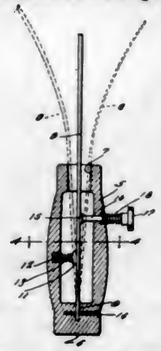
2,137,671

FAN

George W. Harding, Baltimore, Md.

Application June 25, 1938, Serial No. 215,889
2 Claims. (Cl. 230—266)

1. A fan comprising a hollow handle, elongated spring member having one end anchored in the handle, a coiled compressible spring interposed between the handle and the spring member, a push button, a stem extending from the push button and into the handle to engage the elongated



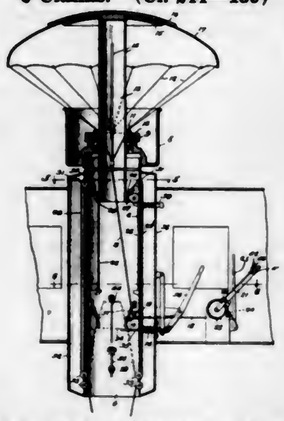
spring, a coiled compressible spring interposed between the push button and the handle, and a fan structure at the outer end of the elongated spring member.

2,137,672

SAFETY LANDING DEVICE FOR AIRPLANES

Zachariah E. Keough, Mansfield, Ohio

Application May 12, 1937, Serial No. 142,266
6 Claims. (Cl. 244—139)



1. A safety landing device for aircraft, comprising a tubular housing adapted to be mounted on an aircraft, a projecting tube slidably mounted within the housing, a parachute, means for securing the parachute at the outer end of the projecting tube whereby movement of the projecting tube to its extended position operates to release the parachute to the action of the air, a weight normally held suspended within the tubular housing, cables connecting the weight to the projecting tube, and manually controlled means for releasing the weight to move the projecting tube to its extended position.

2,137,673

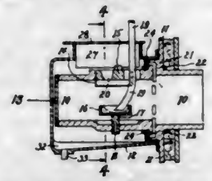
OIL BURNER

Percy Vincent Knapp, Alfred Irvine Senior, Maxwell McNabb, and Edward Hans Tui Bensemann, Motueka, New Zealand

Application April 23, 1937, Serial No. 138,662
In New Zealand May 5, 1936
4 Claims. (Cl. 158—91)

1. An oil fuel burner comprising a horizontal cylindrical burner chamber having a closed front

end and an open rear end and provided with a top opening, a lid covering said top opening, said lid having an air entry aperture therein, said cylindrical chamber also being provided near its rear end with a number of air entry ducts disposed at circumferentially spaced intervals and



opening radially into the cylindrical chamber, a register ring plate encircling the cylinder to cover the inlets to said air entry ducts, a burner pot mounted in the bottom of said chamber, and an oil feed pipe leading to said burner pot from the outside of the cylindrical chamber.

2,137,674

PROCESS FOR MAKING DOUBLE OR TREBLE CALCIUM AND MAGNESIUM SUPERPHOSPHATE

Walter H. MacIntire, Knoxville, Tenn.

No Drawing. Application February 14, 1934, Serial No. 711,289
9 Claims. (Cl. 23—109)

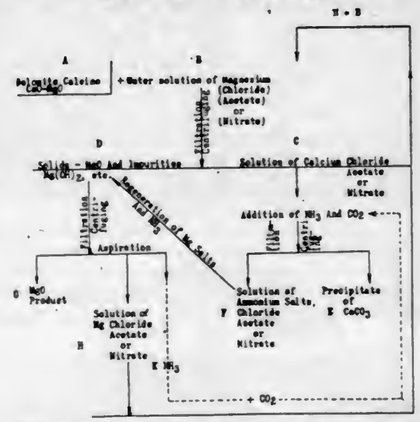
1. The process which consists in adding comminuted dolomitic limestone of 100-mesh fineness, to phosphoric acid of approximately 85% concentration, and agitating the mixture.

2,137,675

PROCESS FOR OBTAINING MgO AND $CaCO_3$ FROM DOLOMITIC MATERIALS

Walter H. MacIntire, Knoxville, Tenn., assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo., a corporation of Maine

Application December 11, 1935, Serial No. 53,993
3 Claims. (Cl. 23—66)



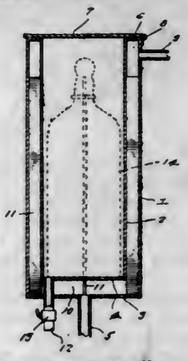
1. The process which consists in subjecting an MgO-CaO calcine to the action of a solution of any readily soluble magnesium salt capable of converting CaO into a readily soluble calcium salt, said magnesium salt solution containing slightly less (1%) of the magnesium salt than the amount requisite to effect completely such conversion of the CaO of the calcine, then separating the solids from the resultant solution of the engendered calcium salt, then treating the separated calcium salt solution with CO_2 and NH_3, the CO_2 being in molar equivalence and the NH_3 being slightly in excess of the molar equivalence of the calcium content of the solution, then separating the precipitated $CaCO_3$ from the resultant ammonium salt solution, then subjecting the solids recovered by the first separation to the action of said ammonium salt solution, and then filtering off the resultant solids.

2,137,676

BOTTLE HEATER

James Arnold Martin, Laurel, Miss., assignor of one-half to Eloise Flowers, Laurel, Miss.

Application December 30, 1937, Serial No. 182,607
1 Claim. (Cl. 257—250)



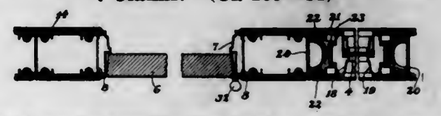
A heater of the class described comprising a pair of inner and outer cylindrical sections closed at the bottoms thereof, the outer section having an internal lateral top edge flange and the inner section extending from said flange and terminating short of the bottom of the outer section and being of smaller diameter than the outer section to form together with said flange and outer section a closed water circulating chamber extending around the inner section and under the bottom thereof, a lid closing over the tops of said sections, a water inlet nipple depending from the bottom of the outer section, a water discharge nipple extending from the side of the outer section adjacent the top thereof, and a plurality of baffles extending radially from the inner section in equi-distantly spaced relation, said baffles seating on the bottom of the outer section and thereby supporting the inner section and terminating short of the level of the discharge nipple to provide for free flow of the water to the discharge nipple.

2,137,677

WALL ASSEMBLY

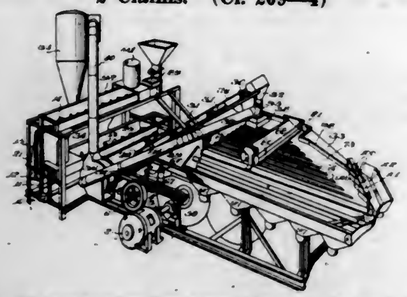
Armand V. Pretot, New Providence, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York

Application September 19, 1934, Serial No. 744,617
7 Claims. (Cl. 189—34)



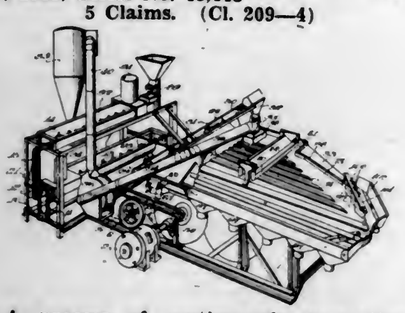
5. A wall assembly comprising a stud, a panel frame spaced from said stud and having laterally extending surfaces on the side facing said stud, and a key member pivoted to said stud and wider than the distance between the nearest portions of said stud and frame, and shaped at the end remote from the stud to engage the laterally extending surfaces upon being rotated, to lock the stud and frame together in accurate alignment.

2,137,678
APPARATUS FOR SEPARATING A MASS OF SEEDS OF VARIED CHARACTERISTICS
Henry M. Sutton and Edwin G. Steele, Dallas, Tex.
Application January 26, 1934, Serial No. 708,386
2 Claims. (Cl. 209—4)



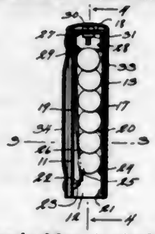
1. In apparatus for separating good seed from bad seed which are capable of retaining an artificial covering of comminuted material, the combination of a gravity separating table having an inclined pervious deck, means for reciprocating said deck, means for maintaining a uniform upward pressure of air through said deck, separate means for retaining comminuted material and a mixture of seeds, a mixing trough, a liquid container for supplying predetermined quantities of liquid to said mixing trough, means for transferring the mixture of seeds and comminuted material from said mixing trough to the receiving point of said deck, and means for delivering a current of air in a horizontal direction and opposed to the forward movement of the mixture on the deck to repel movement of the mixture according to its specific gravity, means for collecting the thus separated seed, and means for withdrawing from said deck the surplus comminuted material and for drying and returning same to its retaining means.

2,137,679
PROCESS OF SEPARATING A MASS OF SEEDS OF VARIED CHARACTERISTICS
Henry M. Sutton and Edwin G. Steele, Dallas, Tex.
Original application January 26, 1934, Serial No. 708,386. Divided and this application October 17, 1935, Serial No. 45,443
5 Claims. (Cl. 209—4)



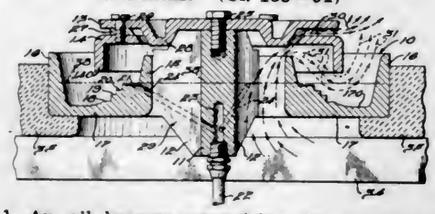
1. A process of continuously separating a mixed mass of bad mucilaginous from good non-mucilaginous seeds, characterized by initially subjecting the mass to the action of a moistening agent and in continuously associating therewith predetermined quantities of dry, comminuted material thus changing the specific gravity of said bad seed only, and finally depositing the mixture onto a drying and separating support which prevents any of said seed passing therethrough comprising a perforate plane so disposed that all the particles resting loosely thereon will be drawn in one direction by gravitational force, in simultaneously subjecting the mass to the effects of a cushion of air emanating from a source below said plane and to a force acting in a direction to intersect the cushion of air tending to cause the heavier of said seed to move in a direction other than that resulting from said gravitational force, in continuously removing from one zone of said support, the uncoated seed and from another zone, the coated seed and in continuously withdrawing by suction, superfluous comminuted material at the receiving point of said plane for return to its source.

2,137,680
CARTRIDGE HOLDER
William W. Vogel, Willard, Ohio
Application January 23, 1937, Serial No. 122,066
10 Claims. (Cl. 224—15)



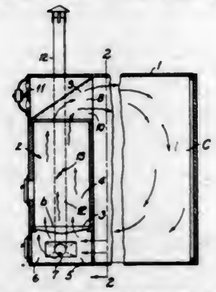
1. A cartridge holder, including an outer frame open at opposite ends, a clip slidable within the frame and including two walls spaced from each other and an integral web connecting said walls at their upper ends whereby the lower ends of the walls are yieldably movable toward or from each other, the walls being resiliently held in approximately parallel relation, one of the walls of the clip having a cam portion thereof at its lower end engaging with the lower end of the frame when the clip is fully inserted and acting to force the last named clip wall inward at its lower end and toward the opposite clip wall, thus contracting the throat of the clip and retaining cartridges therein, a movement of the clip downward from its fully inserted position allowing the clip walls to move relatively apart and permit the discharge of cartridges therefrom.

2,137,681
OIL BURNER
Ernest F. Adolfson, Hazel Park, Mich.
Application September 7, 1937, Serial No. 162,678
8 Claims. (Cl. 158—91)



1. An oil burner comprising, in combination, an annular combustion bowl, a disc shaped cap of less diameter than said combustion bowl positioned in spaced relationship thereover, an annular jet ring spaced below said disc shaped cap, an outer depending lip on said jet ring extending into said combustion bowl but spaced from the bottom thereof, and means for distributing fuel oil supplied to the said annular combustion bowl uniformly therearound.

2,137,682
DRYING OVEN
Ernest F. Fisher, Springfield, Ill.
Application March 27, 1937, Serial No. 133,349
3 Claims. (Cl. 34—19)

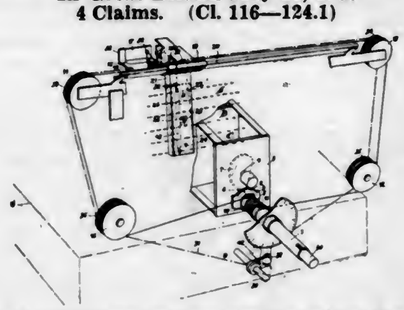


1. A drying oven comprising a casing having a drying chamber, a heater adjacent to said casing, an air distributing head having an inlet from the heater, an inlet from the atmosphere outside the casing, and an outlet to the drying chamber, and means for inducing the circulation of air and hot gases through the heater, distributing head, and the drying chamber in a closed circuit.

2,137,683
METHOD OF MAKING FROSTED BULBS
James J. Flaherty, Newark, N. J., assignor to Wabash Appliance Corporation, Brooklyn, N. Y., a corporation of New York
No Drawing. Application July 28, 1937, Serial No. 156,090
3 Claims. (Cl. 41—42)

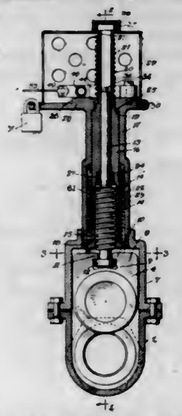
3. The method of producing an inside frosted glass bulb which consists in subjecting the interior surface of a glass bulb to an etching solution including in approximately the following proportions, by weight, water 9.3%, ammonium bifluoride 23.4%, a 60% solution of hydrofluoric acid 46.8%, ammonium bicarbonate 14.6%, and soda ash 5.9%, for less than two minutes at a temperature of about 47° C.

2,137,684
CONTROL AND POSITION INDICATOR FOR ROTATABLE ELEMENTS
Frank George Gilliard, Ilford, England, assignor to Electric & Musical Industries Limited, Middlesex, England, a company of Great Britain
Application May 11, 1937, Serial No. 142,063
In Great Britain May 14, 1936
4 Claims. (Cl. 116—124.1)



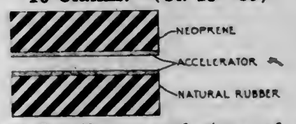
1. A control mechanism for indicating the setting of the rotatable tuning element of a radio receiver, comprising a tuning shaft, means interconnecting said shaft with the tuning element in driving relationship so as to drive it at a reduced rate, a flexible cable having a linearly moving portion and a portion wound about said tuning shaft, a guide member in spaced relation to said linear cable portion, a carrier slidably mounted on said guide member, said carrier having a spring portion to which are secured the two ends of the flexible cable to maintain the cable suitably tensioned, and an indicator supported from the carrier whereby upon rotation of said tuning shaft, said indicator may be moved to and fro to give an indication of the setting of said rotatable tuning element.

2,137,685
DOUBLE MANUAL AND AUTOMATIC SHUT-OFF VALVE
Daniel A. Gillen, Flushing, N. Y.
Application December 30, 1937, Serial No. 182,507
2 Claims. (Cl. 137—162)



1. A shut-off valve including a valve casing, a slidable valve member for closing said casing, a lifting rod rotatably connected to said slidable valve member for opening and closing the same, a slidable tubular member connected to said rod by threads, whereby said rod may be rotated independently of said tubular member for opening and closing said slidable valve member manually, a spring acting on said tubular member for moving the same to cause said rod to close said slidable valve, means for holding said tubular member against movement by said spring, an auxiliary spring for giving said means a tendency to move to a non-functioning position and a fusible metal member for normally holding said means in functioning position.

2,137,686
NEW RUBBER ARTICLE AND MATERIAL AND THE MANUFACTURE THEREOF
Bernard James Habgood, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
Application December 10, 1936, Serial No. 115,265
In Great Britain December 13, 1935
16 Claims. (Cl. 18—59)

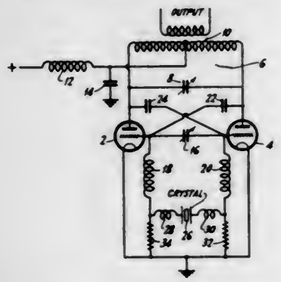


1. Process for the manufacture of composite rubber articles and materials comprising vulcan-

ized natural rubber bonded to a vulcanized synthetic rubber-like material made by polymerizing halogen-substituted butadiene, which comprises taking unvulcanized compounded natural rubber and unvulcanized compounded synthetic rubber-like material made by polymerizing halogen-substituted butadiene, along with an interposed bonding agent which comprises a natural rubber vulcanization accelerator which is an organic compound containing both nitrogen and sulfur, bringing the materials into good contact and then vulcanizing.

13. Composite rubber articles and materials comprising vulcanized natural rubber bonded to a vulcanized synthetic rubber-like material made by polymerizing halogen-substituted butadiene so tightly that the synthetic rubber and the natural rubber can not be separated without tearing one of them.

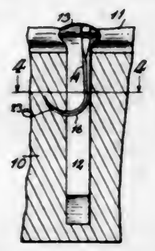
2,137,687
OSCILLATION GENERATOR
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 20, 1937, Serial No. 132,040
3 Claims. (Cl. 250—36)



1. An oscillation generator comprising a pair of tubes each having an anode, a cathode and a control grid, a circuit having inductance and capacity connected effectively in phase opposition across said anodes, condensers cross-connecting said anodes and control grids for establishing feed-back from said anodes to said grids, a parallel tuned circuit having a variable condenser, and a pair of inductance coils connected across said control grids, a crystal having negligible impedance at the desired operating frequency connected in series with said parallel tuned circuit, coils connected in series with said crystal for tuning out crystal electrode capacity, and a resistance circuit connected in shunt to said crystal and the last mentioned coils.

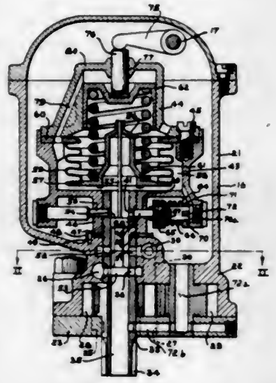
2,137,688
RAILWAY SPIKE
Jakob Hojnowski, Nekoosa, Wis.
Application July 25, 1938, Serial No. 221,247
3 Claims. (Cl. 85—23)

1. In a railroad spike of the character described, a spike having a shank and an offset head, the shank of the spike having a groove in the rear wall thereof extending downwardly through the head and merging into an arcuate groove extending across the shank at a point intermediate the upper and lower ends of the shank, in combination with a key for locking the spike in a wooden tie comprising a shank of the same cross-sectional shape as said groove with the free end of the key projecting through the arcuate groove at the other side of the spike, and a laterally extending blade carried by the key shank adapted to be moved into arcuate forma-



tion opposite the arcuate groove and projecting laterally of the spike for biting engagement in the tie.

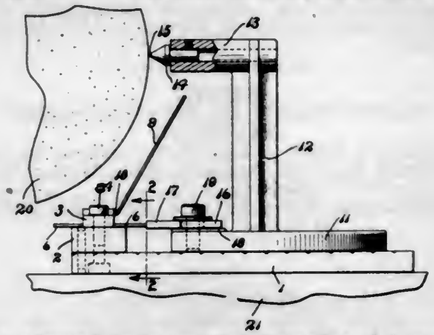
2,137,689
GOVERNOR
George B. Karelitz, New York, N. Y.
Application June 4, 1936, Serial No. 83,426
12 Claims. (Cl. 264—14)



1. In an apparatus for governing the speed of an engine subject to variable loads, in combination, means providing a source of fluid under pressure, a relay including a movable element normally occupying a neutral position and movable, in one or another direction, to utilize the pressure fluid to effect a control force, a motor device connected to the movable element of the relay and including means providing an expansible and contractible chamber, a load spring opposing expansion of the chamber, an inlet passage for supplying fluid from said source to the chamber, and an outlet passage for said chamber; and a valve aggregate responsive to speed of the engine for controlling said passages; said valve aggregate including valve means interrupting both passages when the engine is running at normal speed, opening one passage and maintaining the other passage closed with decrease in engine speed and opening the last-named passage and maintaining the first passage closed with increase in engine speed; and said valve aggregate including a centrifugal weight element movable in response to speed of the engine and connected to the valve means, a spring for opposing the centrifugal force of the weight element, and differential piston means continuously subject to expansible chamber pressure so as to apply a differential pressure force to the element in the same direction as the spring.

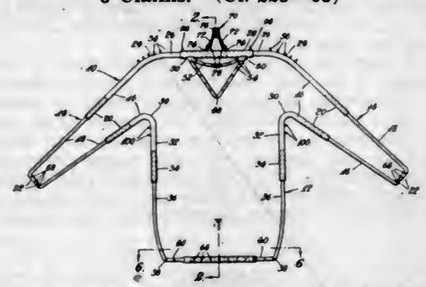
2,137,690
GRINDING WHEEL DRESSER
Henry W. Kropf, Muskegon Heights, Mich., assignor to Brickner-Kropf Machine Company, Muskegon Heights, Mich., a corporation of Michigan
Application August 15, 1938, Serial No. 224,888
6 Claims. (Cl. 125—11)

1. Apparatus for shaping grinding wheels to a desired contour comprising, a base member, a template mounted thereon having a predetermined contour at one edge to be reproduced in the peripheral face of a grinding wheel, a member having a base adapted to be moved horizontally over the upper side of the first mentioned base in any direction, a holder for a wheel dressing implement connected with and located above said second base, a dressing implement carried by said holder, said wheel dressing implement be-



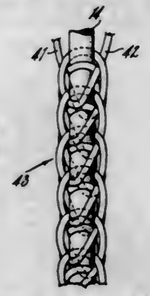
ing adapted to be pointed toward and located in the same horizontal plane with the axis about which the grinding wheel to be dressed rotates, and a feeler mounted on said second base adapted to be brought against the contour edge of said template, said feeler having a feeler contact point in direct vertical alinement with the point of said dressing implement, and having sides corresponding to the sides of said dressing implement, as and for the purposes specified.

2,137,691
GARMENT FORM
Mary D. Landsman, Chicago, Ill.
Application March 30, 1936, Serial No. 71,713
3 Claims. (Cl. 223—68)



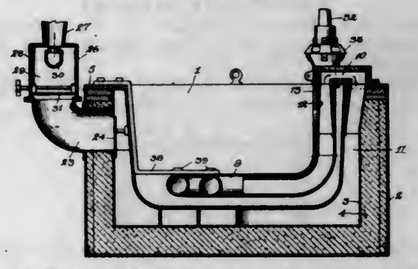
1. A garment form comprising a plurality of reaches shaped to correspond to the body and sleeves of the garment, said reaches being telescopically connected for adjustment, garment piercing elements fixedly related to some of said reaches, and retractable garment piercing elements carried by the inner portions of some of the reaches, said retractable garment piercing elements being retractable to clear the outer telescopic portion and being further shiftable when uncovered by the outer portion to positions permitting the garment to be impaled thereon.

2,137,692
ELASTIC YARN HAVING COVER KNITTED UPON THE CORE
Paul A. Linke, Summit, N. J., assignor to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware
Application February 10, 1937, Serial No. 125,016
9 Claims. (Cl. 66—193)



1. An elastic yarn having a core elastic material and a textile cover formed of two strands of yarn each knitted about the core in successive loops but in opposite directions so that each yarn is locked about the core by its own loops and also by the similarly knitted loops of the other yarn.

2,137,693
HEATING FURNACE
Ernest C. Lundt, Bloomfield, N. J., assignor, by mesne assignments, to American Radiator Company, New York, N. Y., a corporation of New Jersey
Application February 11, 1938, Serial No. 189,929
8 Claims. (Cl. 263—14)

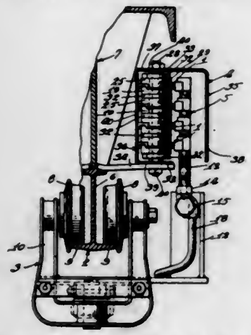


1. A heating furnace comprising a container having a plurality of spaced webs on the outer surface of the side walls and the bottom, a casing for said container coacting with said webs for forming a plurality of tortuous passageways, a plurality of heating pipes positioned in said container and located so that the outlet end will discharge into the inlet end of said tortuous passageways, means for directing an ignited combustible mixture into the inlet end of said heating pipes, and means at the outlet end of said tortuous passageways for producing a suction.

2,137,694
SHIELDING FOR ELECTRICAL CONDUCTORS
Philip L. McCain, Pittsburgh, Pa., assignor to The Louden Machinery Company, Fairfield, Iowa, a corporation of Iowa
Application September 16, 1937, Serial No. 164,099
2 Claims. (Cl. 247—3)

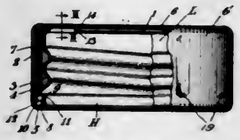
1. A shielded conductor construction comprising a plurality of elongated parallel horizontal conductors mounted one above the other, two

shielding members angular in cross section, one of said angular shielding members having a horizontal leg extending above said conductors and a vertical leg in front of said conductors extending downwardly from one edge of the horizontal leg and the other shielding member having a horizontal leg extending underneath said conductors and a vertical leg extending upwardly from said horizontal leg in the rear of said conductors, the front edge of said lower horizontal leg being



spaced from the lower edge of said downwardly-extending vertical leg and said downwardly-extending leg being spaced from said conductors to provide clearance for a collector wiper operating in the space in the rear of said downwardly-extending leg, insulating spacer means for maintaining said conductors separated, and means extending vertically through said horizontal legs for clamping said shielding members, insulating spacer means and conductors together.

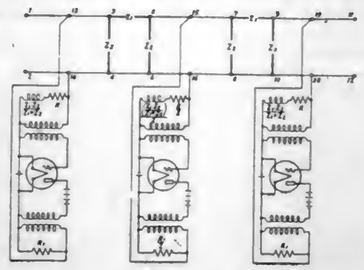
2,137,695
RECEPTACLE CLOSURE
Augustus L. Merolle, Brooklyn, N. Y., assignor to Empire Metal Cap Co., Inc., Brooklyn, N. Y., a corporation of New York
Application December 24, 1931, Serial No. 582,913
6 Claims. (Cl. 215—43)



6. In a closure cap of the class described, the combination of an inner cap member having a skirt portion provided with container engaging means, and an outer shell member adapted to encase said cap member, said shell member having a depending skirt provided with an inturned rolled edge turned into substantially a hollow bead having a convex upper outer surface on the interior of said shell member, said upper convex surface of said bead engaging the bottom of the skirt of said cap member to secure said cap and shell members together.

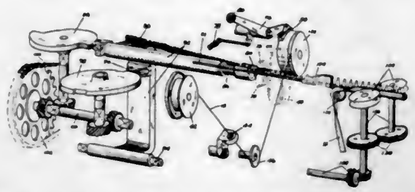
2,137,696
NEGATIVE IMPEDANCE REPEATER SYSTEM
Hughes Mouradian, Philadelphia, Pa.
Application December 18, 1934, Serial No. 758,056
7 Claims. (Cl. 178—44)

1. In combination, a transmission line between two terminals with negative impedances bridged at intervals, the negative impedances at each bridge being chosen equal to one half the parallel impedance of $(-Z_2)$ and $(-Z_1)$, wherein $(+Z_1)$ represents the architrave impedance and $(+Z_2)$ the pillar impedance of a π structure



equivalent to the section of transmission line between the consecutive bridges of negative impedance.

2,137,697
MANUFACTURE OF WEATHER-STRIP ELEMENTS
Robert C. Pierce, Niles, Mich., assignor to National Standard Company, Niles, Mich., a corporation of Michigan
Application March 30, 1935, Serial No. 13,979
26 Claims. (Cl. 154—1)



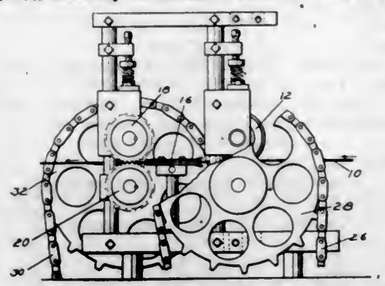
1. A machine for making weather strips or the like comprising means for making a core having laterally-extending resilient means, means for supplying a non-metallic tubular cover, means for progressively slitting said cover along one side, means for progressively opening the tube after it is slit, and means for applying said opened tube progressively to the side of the core opposite said means and progressively closing said tube about the core with said core arranged inside the tube and said resilient means projecting through the slitted side of the tube.

6. A method of making a weather strip core member or the like comprising feeding a flexible core lengthwise under tension, feeding a presser foot in a path paralleling but spaced from said core, looping a continuous resilient wire about said core and presser foot, and compressing the wire loops at the core ends about said core leaving the other ends of said loops projecting laterally from the core in approximately the same plane.

2,137,698
MANUFACTURE OF RESILIENT SPRINGS
Robert C. Pierce, Niles, Mich., assignor to National Standard Company, Niles, Mich., a corporation of Michigan
Application April 17, 1936, Serial No. 74,844
11 Claims. (Cl. 140—91)

1. Apparatus for use in making Venetian blinds or the like comprising means for feeding a braid of wires each of which extends continuously from one end of the braid to the other and which passes alternately over and under each other and which

are formed in reverse bends at the edges of the braid, and means for spreading the wires of the braid fed thereby to form relatively large spaces



between them and means to give a permanent set to said bends when the wires are spread whereby the wires will remain spread.

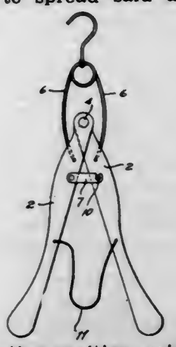
2,137,699
WHEELED ATTACHMENT FOR MOTOR VEHICLES
Edward T. Price, Cadillac, Mich., assignor to Cadillac Malleable Iron Company, Cadillac, Mich., a corporation of Michigan
Application October 10, 1934, Serial No. 747,676
1 Claim. (Cl. 280—124)



A motor vehicle including a frame, a drive axle beneath said frame, a dead axle beneath said frame, a sleeve surrounding said dead axle, a spring chair carried by the frame between the axles, said spring chair being in a plane above the plane of the axles, said chair having a sleeve, a transverse shaft on which said sleeve is rockably mounted, a spring carried by the chair above the sleeve and rockable therewith, the ends of said spring terminating above and spaced from the upper sides of the axles, a spring perch extending upwardly from the drive axle, a floating connection between said last named spring perch and one end of the spring above the axle, a downwardly extending arm carried by the under side of the chair sleeve, a radius rod having one of its ends hingedly connected to said downwardly extending arm and so constructed and arranged that the radius rod may move in a substantially vertical longitudinal plane and also have limited side movement, said radius rod extending radially towards the dead axle, the other end of said radius rod having a universal connection with said sleeve with limited side movement and on the axis of the dead axle, a spring perch carried by the sleeve of the dead axle and extending upwardly therefrom above the dead axle and a floating connection between said last named perch and the adjacent end of the spring.

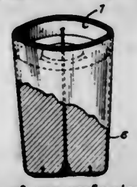
2,137,700
GARMENT HANGER
Fred W. Reehl, Manhasset, N. Y.
Application November 19, 1937, Serial No. 175,365
3 Claims. (Cl. 223—94)

1. A garment hanger having arms pivoted to each other, tension means connected to said arms below said pivoted point when the arms are in garment supporting position and extending above the pivotal point thereof, said tension means normally tending to spread said arms to normal



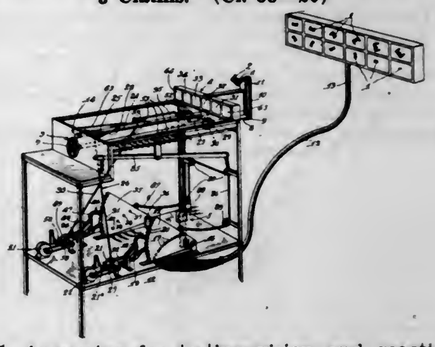
garment supporting position, said tension means also acting to collapse said arms upon pressure being applied to said tension means.

2,137,701
PROCESS AND ARTICLE PRODUCED THEREBY
Harry H. Replogle, Scarsdale, N. Y., assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia
Application March 18, 1936, Serial No. 69,515
4 Claims. (Cl. 67—21)



3. As an article of manufacture, a votive light unit comprising a tapered candle having a seamless casing of a non-fibrous, cellulosic material tightly engaging and extending over the lateral and bottom surfaces of the tapered candle.

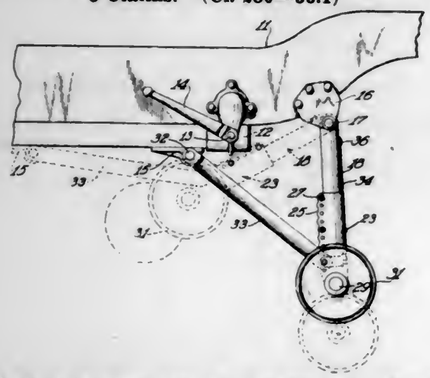
2,137,702
EYE TESTING APPARATUS
George B. Ruby, Aurora, Ill.
Application October 10, 1936, Serial No. 104,983
3 Claims. (Cl. 88—20)



1. Apparatus for testing vision and reaction comprising a series of observable objects each indicating to the observer a specific adjustment to be made by the observer, a comparison object mounted for adjustment by the observer to any

of the adjustments indicated by the observable object, a series of means associated respectively with the said series of observable objects, means connected with the comparison object operable by the observer for adjusting the comparison object and coacting with the series of means one at a time to make the corresponding one of the series of means effective to indicate whether or not the observer has made the adjustment of the comparison object indicated by the observed object, and means operated by the observer after each adjustment of the comparison object for displaying a succeeding observable object and rendering the corresponding one of said series of means effective for cooperation with the said means which coact with the series of means.

2,137,703
LANDING GEAR
Carl G. Seyferth, Muskegon, Mich.
Application June 26, 1937, Serial No. 150,556
5 Claims. (Cl. 280—33.1)



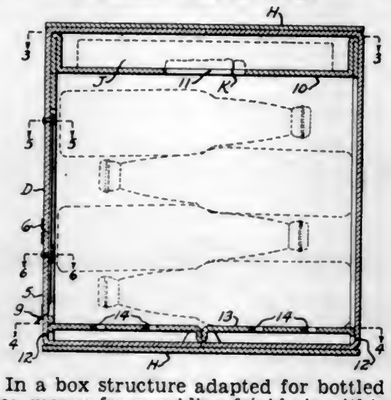
4. In a landing gear for trailers and the like, a pair of upper leg members, a pair of lower leg members, means for adjustably securing said lower leg members to said upper leg members, respectively, and a pair of crossed braces, each of said braces being secured at one of their ends to one of said upper leg members and being adjustably secured at the other end to a said lower leg member by said means for securing the latter to its associated leg member.

2,137,704
EXOTHERMIC HEATING ELEMENT FOR PERMANENT HAIR WAVING APPARATUS AND METHOD OF PRODUCING THE SAME
John A. Siebert, San Francisco, Calif., assignor to Keelmo Co., San Francisco, Calif., a corporation of California
Application January 21, 1937, Serial No. 121,430
9 Claims. (Cl. 132—36.2)



1. As an article of manufacture, an exothermic heating element composed entirely of a plurality of alternate and comparatively thin layers of moisture absorbent material and exothermic compound in a dry state, the latter being capable of generating heat upon the addition of water.

2,137,705
PORTABLE REFRIGERATOR OR COOLER
Charles Lincoln Tiefry, Detroit, Mich., assignor to Charles Leander Tiefry, Detroit, Mich.
Application April 20, 1936, Serial No. 75,268
3 Claims. (Cl. 62—91.5)

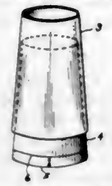


2. In a box structure adapted for bottled beverages, means for providing frigid air within said box comprising a tray positioned within the upper portion of the box and being adapted to accommodate a quantity of carbon dioxide ice, means for removing the individual bottle from said box consisting of a trap door hingedly engaging the same, also an elongated spring secured to the inner surface of one of the ends of the box and adapted to slidably engage said door and to retain the same in a closed or sealed position.

2,137,706
IMPREGNATED CIGARETTE
Richard T. Ubben, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 18, 1935, Serial No. 22,169
4 Claims. (Cl. 131—36)

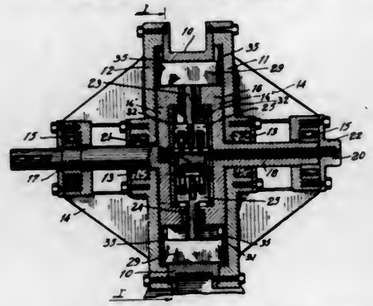
4. In the process of manufacturing cigarette paper the improvement which consists in the step of treating the paper with a composition containing from 0.5 to 2.5% of a vinyl resin.

2,137,707
ARTICLE AND METHOD OF PRODUCING THE SAME
Worth Wade, New York, and Harry H. Replogle, Scarsdale, N. Y., assignors to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia
Application March 18, 1936, Serial No. 69,513
6 Claims. (Cl. 67—21)



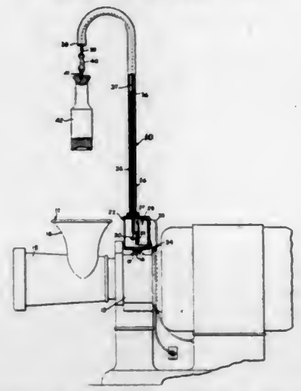
6. An article of manufacture comprising a candle unit including a tapered candle and a tapered casing formed initially of a cylindrical casing having a diameter approximately equal to the mean diameter of the candle closely fitting said candle and formed of a non-fibrous cellulosic tube which is stretched beyond its initial diameter at one end and contracted below its initial diameter at the other end.

2,137,708
ROTARY PUMP
Albert L. Wilson, Albert E. Prohaska, and Otto B. Schmidt, Denver, Colo.
Application October 26, 1936, Serial No. 107,548
5 Claims. (Cl. 103—136)



1. In a rotary pump, a casing, a cylindrical rotor eccentrically mounted in said casing; vane shafts extending radially outward from said rotor through the cylindrical wall thereof; a vane carried by each of said shafts parallel to the axis of said rotor; a stationary cam within said rotor, concentric with said housing; a plurality of rollers on the inner extremity of each vane shaft, certain of the rollers on each shaft riding against said cam while another is spaced from said cam; and a floating ring surrounding said cam and said latter rollers, said latter rollers contacting the inner face of said floating ring to hold the latter concentric with said cam.

2,137,709
MEAT STOMPER
Joseph Wintroub, Burbank, Calif.
Application June 21, 1937, Serial No. 149,371
1 Claim. (Cl. 146—182)



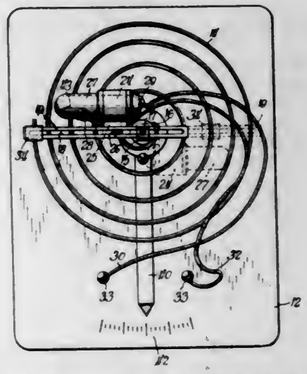
In a meat grinder, a housing having a sleeve thereon and having a feed hopper, said sleeve having a threaded aperture, a coupling threaded in said aperture, a lock nut on said coupling and engaging said sleeve, a switch housing having a bottom with a threaded aperture therein, said coupling threadedly engaging said bottom aperture, said switch housing including sides and a top, an insulating plate mounted on one side of the housing, a switch mounted on said insulating plate, said switch including an operating lever, spring means to normally hold said lever in off position, the top of said housing having a threaded aperture, a goose neck shaped tube threaded in said top aperture, a spring in said tube, the lower end of said spring engaging said lever, a cable engaging the upper end of said spring, a closure for the free end of said tube, said closure being mounted on said cable and a meat stomper mounted on said cable.

2,137,710
FORCEPS
Alfred W. Anderson, Oak Park, Ill.
Application December 13, 1937, Serial No. 179,417
2 Claims. (Cl. 128—321)



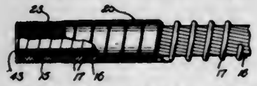
1. Forceps comprising a tubular body, a single length of wire bent midway between its ends and located in said tubular body, said wire forming fingers which cross each other near their free ends and near the bent portion of said wire within said tubular body, and actuating means connected to the bent portion of said wire and movable relatively to the tubular body for extending said fingers beyond the mouth of the tubular body in divergent, quickly spreading arcuate directions.

2,137,711
SWITCH
Paul S. Bear, Dowagiac, Mich., and Herbert E. Bucklen, Elkhart, Ind., assignors, by mesne assignments, to Bucklen-Bear Laboratories, Inc., Elkhart, Ind., a corporation of Indiana
Application November 1, 1934, Serial No. 750,978
30 Claims. (Cl. 200—139)



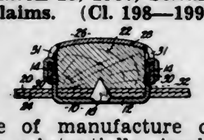
1. In a device of the class described, a helical element responsive to variations in a characteristic condition of a gas, circuit controlling means operable upon tilting movement, means for supporting and actuating said circuit controlling means pivoted at one side thereof, and means carried by said actuating means and adapted to be adjustably clamped to a predetermined portion of said helical element for varying the rate at which said actuating means is operated upon unit variation in said condition.

2,137,712
METHOD OF PROVIDING STRANDED STRUCTURES WITH FITTINGS
Otto J. Bratz, Adrian, Mich., assignor, by mesne assignments, to American Chain & Cable Company, Inc., a corporation of New York
Application April 9, 1935, Serial No. 15,405
23 Claims. (Cl. 29—148)



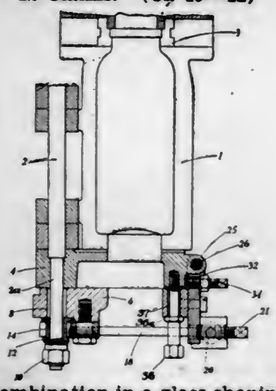
1. The method of producing flexible tubular casings from a continuous wire coil, which includes the steps of wrapping the wire coil with a metal ribbon at separate predetermined points on the coil, severing the coil at such points by cutting through the ribbon and the coil so as to form a plurality of tubular casings each having a metal ribbon binding at each end thereof, and swedging the ribbon upon the coil at each end of the casing.

2,137,713
CLEAT FASTENER MEANS
Jess J. Conner, Burwell, Nebr.
Application March 15, 1937, Serial No. 130,982
5 Claims. (Cl. 198—199)



1. An article of manufacture comprising a staple having a substantially circular body portion with tangs extending outwardly therefrom, and a U-shaped plate having a body portion and spaced apart apertured side walls with inturned flanges at the edges thereof, the tangs of said staple adapted to be inserted through said apertured side walls, and then bent to engage said U-shaped plate and secure together articles positioned between said staple and U-shaped plate, and a tine carried adjacent the center of the body portion of said staple adapted to penetrate and interconnect said secured articles.

2,137,714
MOLD ADJUSTING MEANS FOR GLASS SHAPING MACHINES
Edgar Philip Dorman, London, England, assignor, by mesne assignments, to Ball Brothers Company, Muncie, Ind., a corporation of Indiana
Application January 30, 1935, Serial No. 4,175
In Great Britain December 18, 1934
12 Claims. (Cl. 49—41)

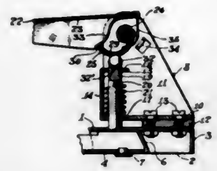


1. The combination in a glass shaping machine comprising a mold carrier having an enlarged opening therein, a hinge pin extending through the opening in said carrier, a two-part mold pivoted at the rear to said hinge pin and supported on said carrier, means for laterally displacing said hinge pin relative to said carrier, means for laterally displacing the front end of said mold relative to said carrier, and means for displacing said mold longitudinally of said carrier.

2,137,715
CASTING OF METAL
Konrad Erdmann, Radenthein, Carinthia, Austria, Fritz Hansgirg, Konan, Korea, and Georg Schichtel, Radenthein, Carinthia, Austria, assignors to American Magnesium Metals Corporation, Pittsburgh, Pa.
No Drawing. Application December 9, 1935, Serial No. 53,610. In Austria May 31, 1935
4 Claims. (Cl. 22—188)

4. An oil-tempered temporary mold for casting magnesium and high-grade magnesium alloys containing as the largest component in every part a molding material selected from the group consisting of magnesium oxide and chromium oxide and having incorporated therewith a small proportion of a protective substance of the group consisting of salts of fluosilicic acid and hydrofluoboric acid containing a solid metal as the cation.

2,137,716
PERFORATOR
Walter Faas, South Orange, N. J., assignor to The Bates Manufacturing Company, West Orange, N. J., a corporation of New Jersey
Application April 28, 1937, Serial No. 139,475
9 Claims. (Cl. 164—91)

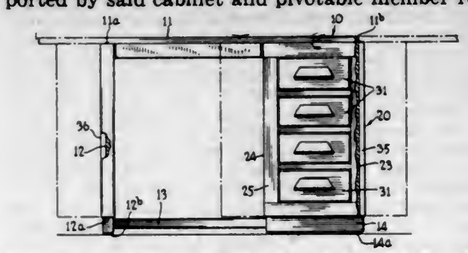


1. In a device of the character described, a support, a punch element mounted on said support for reciprocal movement and normally biased to inoperative position, a movably mounted lever, and means for actuating said punch towards its operative position upon movement of said lever in a given direction, said means comprising a cam element operable by said lever and mounted for movement independently thereof and an element rotatably seated on one end of the punch element and to engagement with which said cam element is constantly biased regardless of the position of said lever relative to said punch element.

2,137,717
FURNITURE
Henry Feldman, New York, N. Y.
Application March 30, 1937, Serial No. 133,787
18 Claims. (Cl. 312—164)

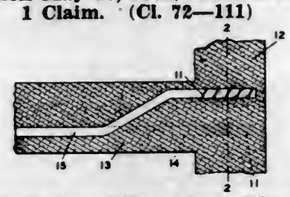
4. As an article of furniture, a desk convertible into a table and comprising a desk top, a cabinet supporting the desk top adjacent one end thereof and being connected to said desk top for pivotal movement about a vertical axis, a member adjacent the other end of the desk top pivotable about a vertical axis, and extensible leaves movably

connected to said desk top, adapted to be supported by said cabinet and pivotable member re-



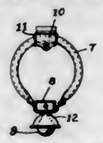
spectively upon rotating said cabinet and pivotable member about said axes.

2,137,718
METHOD OF MAKING EMBEDDED BARS
Bengt F. Friberg, St. Louis, Mo., assignor to Laclede Steel Company, St. Louis, Mo., a corporation of Missouri
Application May 17, 1935, Serial No. 22,001
1 Claim. (Cl. 72—111)



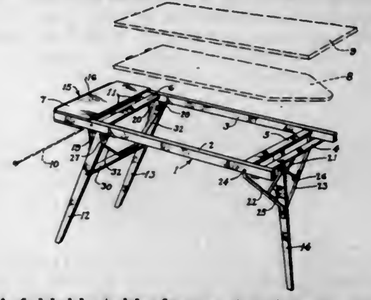
The method of providing a bar with anchoring means which comprises pre-forming a coil, compressing the coil, applying it to the bar, allowing it to expand into intimate contact therewith, and welding it thereto to form a substantially integral part thereof.

2,137,719
SIGNALING SYSTEM AND APPARATUS FOR SAME
Weston A. Gray, Cape Elizabeth, and Lawrence T. Stover, Portland, Maine
Application July 17, 1936, Serial No. 91,056
2 Claims. (Cl. 246—128)



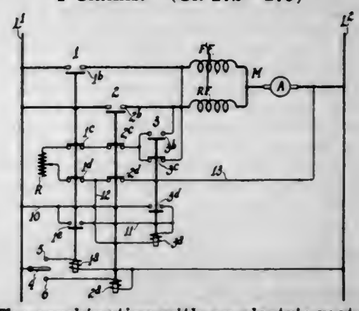
1. In a signaling system for high-way vehicles adapted to be installed on a high-way adjacent a railway grade-crossing, the combination with a piece of railway rolling stock, a high-way vehicle, and an electric power line circuit, of a length of railway trackage, including two rails, normally insulated from the main line of trackage and extending for a predetermined distance from, and on each side of, said grade-crossing, a radio frequency oscillator operatively connected to the electric power line circuit, a circuit-opening-and-closing apparatus, including a relay, adapted to close the electric power circuit to said radio frequency oscillator when said rolling stock passes on to the said insulated portion of the trackway, a standing wave transmission line, having wired connection with said radio frequency oscillator, arranged along the high-way for a predetermined distance from, and on each side of said grade-crossing, a receiving device installed in said high-way vehicle, tuned in resonance to the frequency of the output of said radio frequency oscillator, and a neon lamp in the circuit of said receiving device in said vehicle adapted, through the instrumentality of the standing waves from said transmission line, to produce intermittent flashes of light when the said railway rolling stock has passed on to said insulated portion of trackway, closing the power line circuit to said oscillator, and said high-way vehicle is moving along said highway within the field of activity of the standing waves from said transmission line.

2,137,720
PIVOTED LEG STRUCTURE
Oliver Jones, Newark, N. J.
Application July 10, 1937, Serial No. 152,986
2 Claims. (Cl. 311—79)



1. A foldable table frame structure comprising a pair of side members adapted to support an exchangeable table top, a pair of leg members having their upper surfaces abutting against the underside of said side members to support one end thereof on the floor, said leg members being hinged adjacent one edge for folding in a plane parallel to said side members, a single third leg pivoted to both of said side members at the opposite end thereof for movement in a plane lying between said side members and parallel therewith, and latch means on said leg members for locking said legs in unfolded position.

2,137,721
MOTOR CONTROL SYSTEM
Jesse E. Jones, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application January 14, 1938, Serial No. 184,964
4 Claims. (Cl. 172—179)



4. The combination with an electric motor having an armature and separate forward and reverse series field windings, of reversing switches for selectively controlling power connections for said motor to effect forward or reverse operation thereof, switches associated with said reversing switches for connecting either of said field windings in shunt with said armature upon interruption of power connections for said motor, and

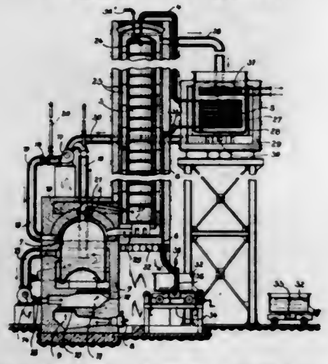
electroresponsive switching means for selectively connecting said field windings to said former switches for control thereby, said switching means being controlled by said reversing switches to provide for connection of said reverse field winding in shunt with said motor armature upon interruption of power connections for forward operation of said motor and for connection of said forward field winding in shunt with said armature upon interruption of power connections for reverse operation of said motor.

2,137,722

DISTILLING APPARATUS FOR HIGH-BOILING LIQUIDS, SUCH AS COAL TAR

Heinrich Koppers, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware

Application January 6, 1936, Serial No. 57,817
In Germany January 4, 1935
7 Claims. (Cl. 196—114)



2. Apparatus for distilling liquid containing high boiling constituents comprising: vat tar-still-means for distillation of high boiling liquid during heating of the tar-still-means; a heating system for heating the still by furnace-gases; a cooler-condenser having means for heating the same for controlled condensation therein; dephlegmating column-apparatus communicating at its lower part with a vapor outlet from the still to receive vapors of distillates therefrom and communicating at its upper part with the cooler-condenser for flow of unabsorbed vapors thereto; said dephlegmating column-apparatus being provided with means for receiving reflux medium at its upper part and with means for discharging at least a part of the same at its lower part separately from the still and cooler-condenser, and being disposed within and insulated from a shaft-like furnace communicating with a furnace-gas outlet of the heating flue system for the still for controlled indirect heating of the insulation of the dephlegmating column-apparatus by the outflowing furnace gases from the still.

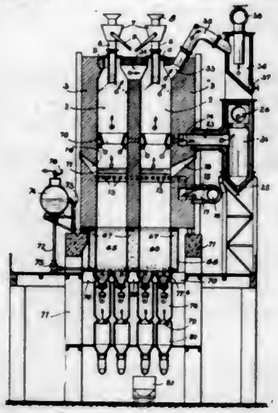
2,137,723

APPARATUS FOR THE CONTINUOUS PRODUCTION OF WATER GAS

Heinrich Koppers, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware

Application June 10, 1936, Serial No. 84,398
In Germany June 13, 1935
4 Claims. (Cl. 48—73)

1. Apparatus for continuous production of water-gas by recirculation of a hot mixture of water-gas and steam comprising, a rectangular shaft furnace having fuel charging means at its top and residue discharge means at its bottom and comprising upstanding refractory brickwork walls forming a gasification chamber therein, a lower cellular water-cooled jacket at the bottom of the furnace interposed between the shaft furnace and the residue discharge means for cooling the residue for discharge by said means, vertical brickwork partitions within the chamber of the shaft furnace and supported by the cellular water-cooled jacket and forming residue cells leading to the cooling jacket, a row of horizontal bridges of refractory material above the brickwork partitions spanning the chamber and anchored at their ends in the upstanding walls, and provided with channels therein having ports



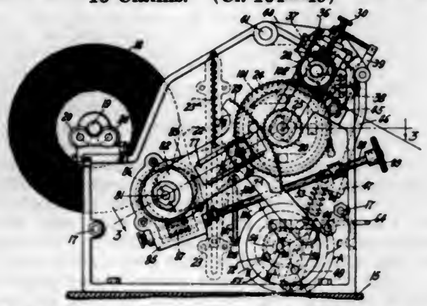
communicating with the chamber of the shaft furnace, an upper gas offtake leading from the top of the chamber and an intermediate offtake leading from the chamber intermediate the upper gas offtake and the bridges, a gas heater, and connections connecting the upper gas offtake with the inlet of the gas heater to lead recirculation gas thereto, and connections connecting the outlet of the gas heater with the channels in the bridge members for return of recirculation gas to the fuel bed from the gas heater through the bridge channels, said connections including inlet conduits leading through the upstanding walls forming the sides of the chamber of the shaft furnace to the channels in the horizontal bridges.

2,137,724

CELLOPHANE DISPENSING MACHINE

Nathan Lester, Shaker Heights, and Logan A. Becker, Lakewood, Ohio, assignors to Thomas F. Dolan, Shaker Heights, Ohio

Application March 14, 1933, Serial No. 660,668
15 Claims. (Cl. 164—49)



1. A machine for severing sheets from a continuous web of sheeting, comprising means for supporting a roll of sheeting, a feed roll, a knife for severing a sheet from said web after it passes beyond said roll, a driving disc secured to a driven shaft, a pivoted quadrant arm engaging said feed roll at one end thereof, a link connecting said driving disc and said quadrant arm, the position of said link on said quadrant arm being readily adjustable by means of a slidably mounted block to which said link is secured on said quadrant, a shaft, an eccentric mounted on said shaft, a link connecting said eccentric and said block, and means for altering the position of said eccentric and thus varying the position of said block on said quadrant.

2,137,725

TRANSFER DEVICE

Robert R. Lewis, Baldwin, N. Y., assignor to Vulcan Proofing Company, New York, N. Y., a corporation of New York

Application November 27, 1934, Serial No. 754,998
2 Claims. (Cl. 41—46)



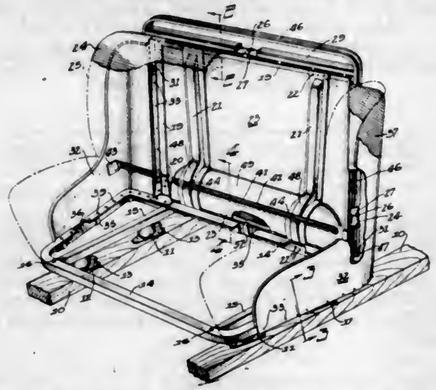
1. A transfer device for use in photo-mechanical printing, said device comprising a base sheet made of light-permeable material and having a smooth outer face, said base having a light-permeable layer of tacky material at the inner face thereof, and a covering sheet which substantially covers said layer of tacky material, said base sheet having a roughened surface directly adjacent said layer of tacky material, said layer having greater adherence to the base sheet than to the covering sheet, so that said layer adheres to said base sheet when the covering sheet is removed.

2,137,726

MOTOR VEHICLE

Pearle N. Miller, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application December 20, 1934, Serial No. 758,422
7 Claims. (Cl. 155—184)



5. A seat frame structure comprising a metal base frame, a metal back frame fixed to the rear of said base frame, tacking strip carrier means welded to the top face of said back frame and to the rear face of said base frame, tacking strip means carried by the carrier means, and a backing sheet fixed to the rear faces of the tacking strip means in said carriers.

2,137,727

MATERIALS FOR TREATMENT OF HYDROCARBONS

Edward F. Quirke, Brooklyn, N. Y.

No Drawing. Application March 27, 1937, Serial No. 133,383
8 Claims. (Cl. 44—8)

1. A composition for treating fuel oil of the type normally tending to deposit substantial quantities of sludge in storage tanks and forming objectionable carbon incrustations upon pre-heating apparatus and oil burners, and to prevent such depositions in use, comprising as a major portion of the composition a polycyclic hydrocarbon together with minor proportions of a caustic alkali ingredient and a water soluble phosphate, and a small amount of a water soluble borate functioning to assist in removing or preventing said incrustations.

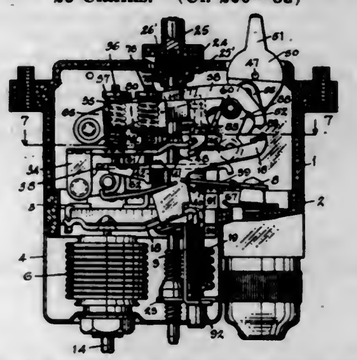
8. A composition for treating fuel oil of the type normally tending to deposit substantial quantities of sludge in storage tanks and forming objectionable carbon incrustations upon pre-heating apparatus and oil burners which corrode the same or clog or react therewith, consisting of a major portion of a polycyclic hydrocarbon together with lesser proportions of a caustic alkali ingredient and an alkali phosphate.

2,137,728

REFRIGERATOR CONTROL SWITCH

Estel C. Raney, Columbus, Ohio, assignor to Ranco Incorporated, Columbus, Ohio, a corporation of Ohio

Application February 1, 1934, Serial No. 709,384
26 Claims. (Cl. 200—83)



1. In a thermo-responsive switch, a thermic means for operating the switch, an adjustable means for adjusting the thermic means and having means for limiting the adjustment of the thermic means to produce switch operations within a desired range of temperatures, a resilient means adapted to control the temperature at which the switch is opened by the thermic means, a second resilient means adapted to control the closing temperature of the switch, and means operable for selectively rendering either of the resilient means effective.

2,137,729

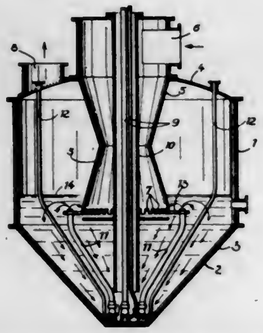
APPARATUS FOR THE MANUFACTURE OF AMMONIUM SULPHATE

Ernst Schellenburg, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware

Application December 1, 1936, Serial No. 113,568
In Germany December 2, 1935
1 Claim. (Cl. 23—273)

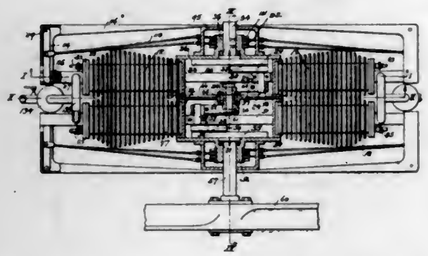
Saturator apparatus for manufacture of coarse crystalline sulphate of ammonia comprising a

saturator vessel adapted to contain a reactant bath; a central gas inlet pipe of large cross-section arranged in said vessel for submergence of its lower discharge end in a bath in the vessel, and having at its lower discharge end a circumferential gas outlet for introducing gas from the inlet pipe circumferentially thereof into a bath below the level of the vessel for the surface thereof, a gas outlet communicating with said vessel above the level for the bath in the vessel; a primary air-lift ejector arranged in the vessel for removal of solid salts from the bottom of the



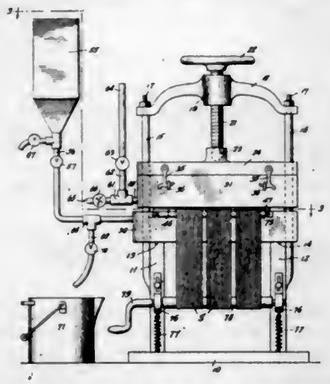
vessel to outside the same, and a plurality of auxiliary air-lift ejectors arranged in the vessel for submergence inside a bath when therein with their inlets near the bottom of the vessel and their outlets reaching to and terminating circumferentially around the outside of the circumferential gas outlet of the central pipe, for elevation and discharge of a bath content from the bottom of the vessel into the portion thereof where gas from the central pipe will first diffuse into the vessel upon leaving circumferential gas outlet of the central pipe.

2,137,730
ENGINE
Clifton F. Smith, Memphis, Tenn.
Application August 16, 1937, Serial No. 159,206
9 Claims. (Cl. 121—117)



1. An engine, including a pair of axially aligned cylinders having each a piston reciprocally mounted therein, a piston rod rigidly connecting said pistons, a bearing on said rod, a shaft, a crank member connected to said shaft, a crank pin carried by said member, a link having one end journalled on said crank pin and the opposite end rotatably secured to said piston rod bearing, the length of said link being equal to the crank radius, said link having a rigid extension of equal length, and a guide reciprocably receiving the end of said extension, said guide extending across the axis of said crank shaft at right angles to said axis and the axis of said cylinders and being a rigid part of said engines.

2,137,731
SKEIN DYEING APPARATUS
Angelo Soriano, Brooklyn, N. Y.
Application February 18, 1937, Serial No. 126,364
4 Claims. (Cl. 68—211)



1. An apparatus for spot dyeing skeins of textile materials including a pair of separable dye blocks each having mating dye receiving recesses in the confronting faces thereof, yieldable gaskets on the confronting faces of the dye blocks framing the recesses, means for forceably compressing the confronting gasketed faces into intimate sealing contact to close the open sides of the recesses to provide closed dye wells with the skeins located in place between and traversing the mating dye block recesses, valved means for gravitationally filling the recesses with dye, valved means for venting the recesses, and valved means for draining the recesses.

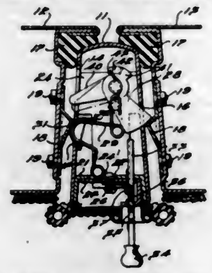
2,137,732
ELECTRIC INCANDESCENT HIGH PRESSURE GAS LAMP AND SIMILAR ARTICLE
Harold Swanson, Cleveland, Ohio
Application September 29, 1937, Serial No. 166,347
15 Claims. (Cl. 176—16)



1. An electric incandescent lamp, comprising, a large elongated tubular glass bulb closed at each end, an electric contact for each end of said bulb, a series of small individual lamps linearly arranged between said contacts, spaced supports within said bulb holding said small lamps in serial order.

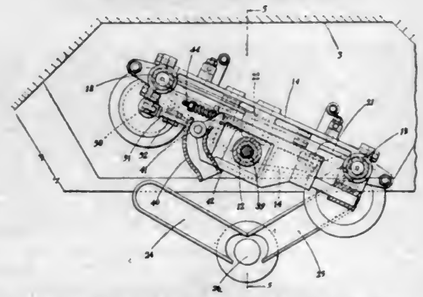
2,137,733
MOTOR VEHICLE LATCH
Milton Tibbetts, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application January 29, 1937, Serial No. 122,901
11 Claims. (Cl. 292—198)

3. Locking mechanism for a-vehicle body door comprising a carrier fixed to the body, a mounting on the carrier, a locking member swingably mounted on the mounting, and a spring device



having a part fixed on the carrier for actuating said locking member.

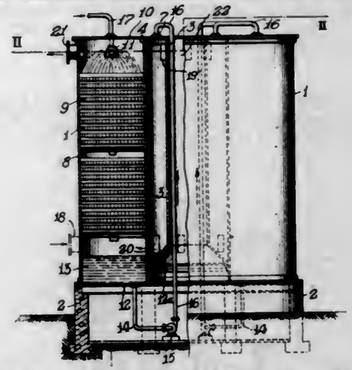
2,137,734
GLASS FEEDER
John Tipping, Strand, London, England, assignor, by mesne assignments, to Ball Brothers Company, Muncie, Ind., a corporation of Indiana
Application July 21, 1936, Serial No. 91,758
In Great Britain July 27, 1935
17 Claims. (Cl. 49—62)



4. The combination with a forehearth for molten glass, a pair of gob chutes arranged in position adjacent the front of the forehearth and leading to a common outlet, a pair of gathering cups, and means for alternately swinging said cups laterally through a relatively small angle from a position over the forehearth to a position over one of the gob chutes.

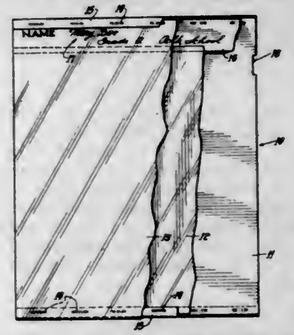
2,137,735
APPARATUS FOR TREATING GASES OR VAPORS WITH LIQUIDS
Wilhelm von der Emde, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware
Application July 11, 1936, Serial No. 90,191
In Germany July 12, 1935
4 Claims. (Cl. 261—21)

1. An apparatus for treating gases or vapors with liquids, comprising a cylindrical closed casing in which is arranged co-axially an inner cylindrical wall and an intermediate cylindrical wall co-axial with the outer wall and intermediate the inner wall and the cylindrical casing to form inner and outer chambers, radially extending partition walls forming compartments in the outer chamber between the cylindrical casing and the intermediate wall, radially extending partition walls in the inner chamber between the intermediate wall and said inner wall providing individual inner channels therein, certain of said compartments each having a connection with the upper end of one of said channels and another connection with the lower end



of an adjacent channel whereby the channels and compartments are alternately arranged in a single series, and means for introducing the treating liquid into the individual compartments.

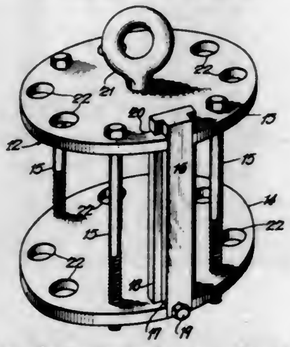
2,137,736
EDUCATIONAL DEVICE
Grace W. Watkins, Aurora, Ill., assignor to The Strathmore Company, Aurora, Ill., a corporation of Illinois
Application December 21, 1935, Serial No. 55,498
17 Claims. (Cl. 35—48)



1. An educational device comprising, in combination, temporary writing means including a dark-colored impressionable base member, a flexible semi-opaque impression sheet secured to said base at one side edge to extend thereacross and adapted when impressed against said base to adhere thereto and make visible the line of impressure, said line being erased by separation of said base and impression sheet, a transparent and flexible writing sheet having a smooth writing surface and secured to said base at another side edge to extend across said base and said impression sheet in a different direction whereby to bind said impression sheet against accidental separation from contact with said base, a substantially transparent problem sheet adapted to be inserted between said impression and writing sheet and bearing characteristics thereon presenting to the user through said transparent writing sheet a problem to be solved, and a substantially transparent answer sheet adapted to be substituted for said problem sheet after the user has entered his solution by writing it upon said writing sheet and causing corresponding adherence between

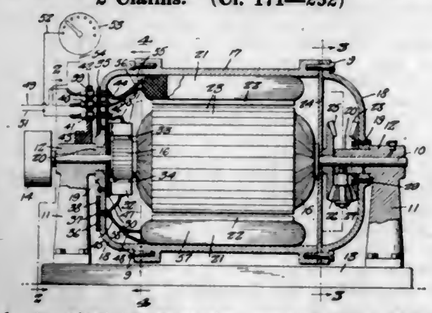
said base and impression sheet, said answer sheet bearing the correct solution to the problem in a position at one side of said written solution for ready comparison therewith, said writing means having means for correlating the association of said problem and answer sheets therewith to approximately the same relative position.

2,137,737
PACKING RING HOLDING APPARATUS
Albert W. Wenzel, West Orange, N. J.
Application April 13, 1937, Serial No. 136,546
1 Claim. (Cl. 266—2)



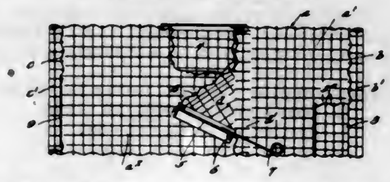
A jig as characterized, comprising clamping plates, a spreading bar between said plates next the periphery thereof for holding and spreading piston rings or the like, and bolts perpendicular to said plates extending from one to the other thereof and through the same inward of the peripheries of said plates so as to be within the piston rings or the like clamped by said plates, said bolts clamping said plates to the rings with the peripheries only of the rings exposed, said spreading bar being attached to one of said clamping plates and slidable with respect to the other of said clamping plates for permitting adjustment of said plates to receive varying numbers of rings therebetween and to permit movement of the plates toward and away from each other for clamping purposes, said clamping plate through which the spreading bar is slidable having means for retaining the spreading bar from displacement in a direction radially outward from the said plate.

2,137,738
ELECTRIC GENERATOR
Charles A. Faubion, San Antonio, Tex., assignor of one-half to Geo. C. Rehmet and Chas. E. Wolcott, both of Alice, Tex.
Application August 4, 1937, Serial No. 157,442
2 Claims. (Cl. 171—252)



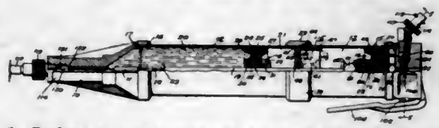
1. An electric generator comprising a driving shaft, bearings for the driving shaft, stub shafts integral with the bearings, an armature on the driving shaft, a field coil cylinder having end shells rotatably supported upon said stub shafts, field coils on the cylinder confronting the armature, a plate carried by the cylinder and coacting with one of said end shells in forming a gear case in one end of the cylinder, a gear fixed to the driving shaft, a gear fixed to the end shell of the gear case, one of said stub shafts projecting into the space between said gears, and an idle pinion carried by said projecting stub shaft and meshing with both gears and functioning to drive the field coil supporting cylinder oppositely to the direction of rotation of the armature.

2,137,739
ANIMAL TRAP
Milton W. Gatch, Baltimore, Md., assignor to The Gatch Wire Goods Company, Baltimore, Md., a corporation of Maryland
Application February 5, 1937, Serial No. 124,313
1 Claim. (Cl. 220—19)



An animal trap comprising an oblong body, substantially rectangular in cross-section, a partition and end-pieces, rectangular in form, fitting within the body, the body, end-pieces and partition composed of woven wire netting, each end-piece having flanges at its edges projecting outwardly toward the adjacent end of the body and welded to the body, and the partition having flanges at its edges welded to the body, the flanges of the end-pieces and partition each including a cross wire.

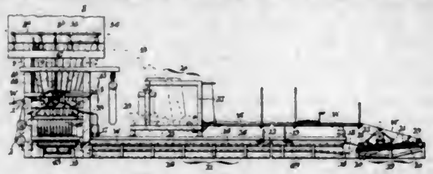
2,137,740
LUBRICANT DISPENSER
Russell J. Gray, Minneapolis, Minn.
Application January 27, 1936, Serial No. 61,041
22 Claims. (Cl. 221—47.3)



1. Lubricant dispensing apparatus including a lubricant reservoir, compressed-air actuated means for forcing lubricant out of said reservoir and including a piston, and a valve for creating a differential air-pressure on opposite sides of said piston and for generally permanently entrapping air between said piston and the lubricant supply in said reservoir in operative relation to both and at a pressure substantially less than the pressure of the source of compressed air and means for limiting the pressure of the entrapped air.

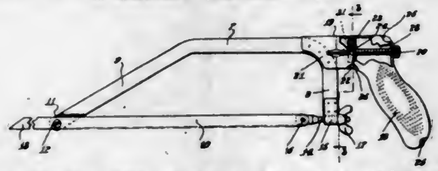
2,137,741
WARP PRINTING APPARATUS
Otto F. Hilbert, Philadelphia, Pa., assignor to Artloom Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application November 25, 1936, Serial No. 112,645
9 Claims. (Cl. 101—172)

3. In warp printing apparatus of the character described, printing mechanism including a series of troughs containing dyes of different colors, means for progressing the warps, means for spot printing the warps with the dyes, and



automatic means for supplying the dyes to the troughs as needed from separate sources of supply.

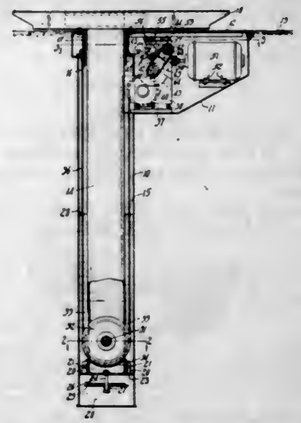
2,137,742
HACKSAW
Edward Morris Jack, Torrington, Conn., assignor to Union Hardware Company, Torrington, Conn., a corporation of Connecticut
Application December 4, 1936, Serial No. 114,143
1 Claim. (Cl. 145—108)



In a hack saw, a frame having a main arm with angular portions for supporting a blade remote from the axis of the main arm, a socket member adjacent the main arm in near alignment therewith and forming an extension thereof, a closure plate for said socket formed with a central threaded opening, a handle having a socket portion in alignment with the said socket member, a plate forming a closing wall for said socket portion, said plate having a central opening in alignment with the central opening in the socket member, projections on one plate around its central opening and recesses in the other plate in alignment with the projections, said handle having a hand grip portion extending at an angle to and outwardly from the handle socket portion, a screw extending through the aligned central openings in the socket members and having one end seated in the central threaded socket opening and its other end passing freely through the handle socket member to the exterior thereof, a knurled head finger piece on the exterior end of said screw in engagement with the hand grip for actuating the screw, said screw forming a swivel support for the handle and forming clamping means for fastening the handle to the frame thereof whereby said handle is adapted to turn about an axial line which extends substantially longitudinally of the main frame arm, said projections and recesses being adapted to coact to prevent rotation of the handle when the screw is tightened.

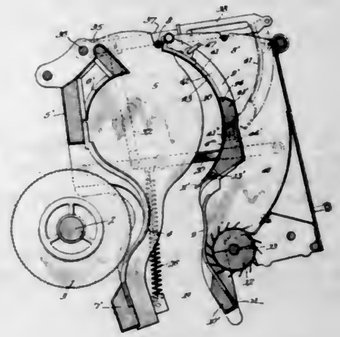
2,137,743
AUTOMOBILE LIFT
Otto A. Strassman, Akron, Ohio, assignor of one-third to Fred C. Hardwick, Hartville, Ohio, and one-third to Perry R. Cannon, Canton, Ohio
Application April 10, 1936, Serial No. 73,675
2 Claims. (Cl. 254—148)

1. A lift comprising a vertically arranged tubular casing, a cylindrical piston mounted therein and spaced from the wall thereof, mechanical means for raising and lowering the piston, and means for guiding the lower end of the piston in the casing, said means comprising crowned rollers carried by the piston and engaging the inner surface of the casing, said rollers being spaced apart from each other, and being mounted



on axes disposed at right angles to the piston so as substantially to prevent angular movement of the piston about its axis, relatively of said casing.

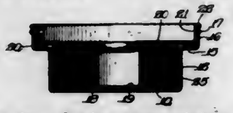
2,137,744
ROLL DUMPING DEVICE FOR COTTON GINS
John A. Streun, Sherman Tex., assignor to Hardwicke-Etter Company, Sherman, Tex., a company of Texas
Application July 22, 1936, Serial No. 91,975
27 Claims. (Cl. 19—55)



1. In a cotton gin, a gin saw cylinder, a gin breast including a rearward section and a forward section, a pivotal support for the upper end of said forward section, said sections being held in engagement by gravity and adapted to be disengaged by a relative outward movement of said forward section, toggle levers engaging said forward and rearward sections and pivotally connected together and adapted to be disengaged by relative longitudinal movement, an arm on said rearward section, a link connecting said arm and one of said levers and a handle on said arm whereby said arm may be moved to operate said toggle to swing the lower end of said forward section outwardly to discharge material from between said sections, and means to support said levers in alignment when said forward section is moved away from said rearward section.

17. A gin breast of the class described including a rear breast member and an outer breast member, and a closure hinged to the outer breast member, said closure adjacent the hinge normally overlapping the inner wall of the outer breast member and arranged to provide a seal for preventing the escape of material when the closure is moved relative to the gin breast.

2,137,745
PACKAGING CONTAINER
William P. White, Glencoe, Ill., assignor to White Cap Company, Chicago, Ill., a corporation of Delaware
Application May 27, 1936, Serial No. 82,006
2 Claims. (Cl. 206—52)

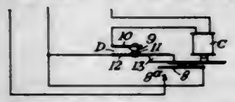


1. A packaging device comprising, in combination, a cover element having peripheral and end walls forming a receptacle which is open at one end and closed at the other and having an outwardly extending flange around its open end and an axially extending peripheral flange at the outer edge of said outwardly extending flange, a holder element adapted to form a closure for said receptacle, said holder element having a closure portion fitting within the peripheral flange and overlying the outwardly extending flange of the cover element and also overlapping the margin of the peripheral flange, and a hub portion spaced inwardly from said peripheral wall and extending substantially the entire depth of said receptacle for positioning material therein, and a sealing element arranged to be compressed between the closure portion of the holder element and the outwardly extending flange of the cover element to form a seal about the open end of said receptacle at a distance from the hub.

2,137,746
CHEWING GUM
Robert L. Wilson, Chicago, Ill., assignor to Wm. Wrigley, Jr., Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application June 27, 1938, Serial No. 216,063
13 Claims. (Cl. 99—135)

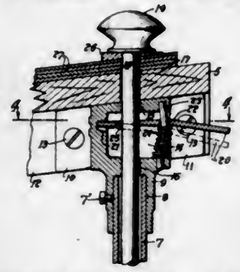
1. A chewing gum material including a paraffin wax having a melting point of at least 160 degrees F.

2,137,747
ELECTRICAL RELAY
Norman F. Agnew, Swissvale, and Benjamin Mishelevich, Pittsburgh, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Original application September 16, 1935, Serial No. 40,728. Divided and this application May 2, 1936, Serial No. 77,590
7 Claims. (Cl. 175—320)



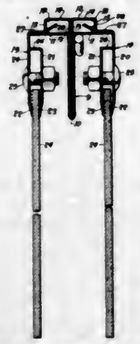
1. The combination with a relay which is connected with a source of varying potential and which is designed to pick up at a predetermined potential, of a contact connected in series with the relay winding, said contact comprising a first contact member secured to a fixed support and a second contact member secured to a cantilever type spring which is rigidly supported at one end and which is provided at the other end with a weight, the parts being so proportioned that said second contact member is biased into engagement with said first contact member by said spring but that shocks will cause said second contact member to vibrate out of engagement with said first contact member, and means controlled by said relay for preventing said second contact member from vibrating out of engagement with said first contact member when said relay is picked up.

2,137,748
DISPLAY STAND
Leon H. Best, Galva, Ill., assignor to John H. Best & Sons, Inc., Galva, Ill., a corporation of Illinois
Application October 20, 1937, Serial No. 169,963
4 Claims. (Cl. 211—45)



1. In a display stand having a bed adapted to receive samples of rugs, carpets, and the like to be displayed, a clamping bracket secured in fixed relation with said bed, a clamping bar arranged across the samples to be displayed on said bed, a clamping rod engageable with said bar, a lever pivotally mounted in said bracket and extending therefrom beyond an edge of said bed, said bar, bracket, and lever having aligned openings therethrough to receive said rod, and operating means adapted to frictionally engage said lever with the rod to lock the rod in the aligned openings and selectively operable to release the rod.

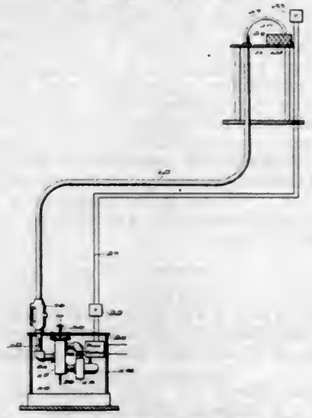
2,137,749
DISPLAY RACK
Leon H. Best, Galva, Ill., assignor to John H. Best & Sons, Inc., Galva, Ill., a corporation of Illinois
Application October 20, 1937, Serial No. 169,964
12 Claims. (Cl. 211—48)



1. A display rack comprising a supporting arm having a slot therein extending substantially

throughout the length of said arm at a side thereof, means for mounting said arm in horizontal position, and a hanger bar adapted to be fastened to an edge of a sample to be displayed and having means thereon extending substantially coextensive with the length of said slot and bodily insertable therethrough for removably retaining said bar on said arm.

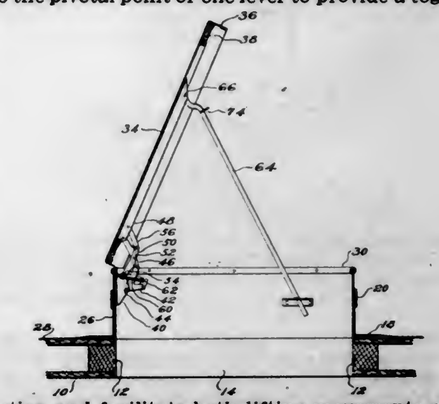
2,137,750
PNEUMATIC CONTROL VALVE
Herman Busch, Long Island City, N. Y., assignor to Airmatic Systems, Inc., New York, N. Y., a corporation of New York
Application January 11, 1936, Serial No. 58,739
5 Claims. (Cl. 243—7)



1. In a pneumatic carrier dispatch system a single pneumatic dispatch tube connecting a main station to an out station, an air valve having a housing connected in said tube, air lines connected to said housing in which opposite conditions of flow may be set up, an air flow chamber in said housing, a valve in said chamber, said valve being normally positioned to cause the air to flow from the out to the main station and arranged to be moved to air reversing position for reversing the flow of air through said tube for causing the air to flow from the main to the out station, said valve being biased in a direction tending to return the valve to normal position, an abutment in said air flow chamber movable with the valve element, said abutment disposed to be acted upon by the air stream through said tube while the valve is in air reversing position holding the valve in said position only for a period commensurate with the duration of said reversed air flow.

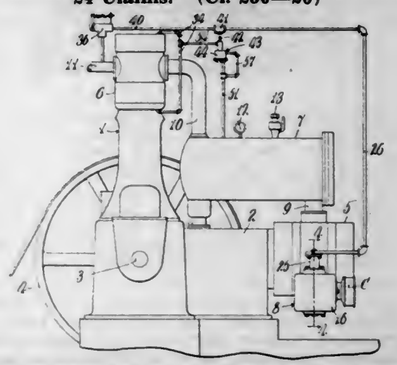
2,137,751
ROOF HATCH
William A. Davis, Malden, Mass., assignor to Babcock-Davis Corporation, Boston, Mass., a corporation of Massachusetts
Application January 30, 1937, Serial No. 123,224
2 Claims. (Cl. 108—1)

1. A unitary closure for a roof hatch opening comprising a curbing having a seating rim at the upper edge, a cover seating upon the curbing rim and having a depending marginal flange, compensating hinges permanently connecting the inside of the curbing and the under side of the cover and each comprising two operatively interconnected rocking lever and link connections cooperating to elevate and swing the cover about a movable center in a manner to cause the marginal flange at the hinged side of the cover to clear the upper edge of the curbing when the cover is thrown back and the hinged side is swung inwardly, a lifting spring connecting the levers and curbing, the spring being offset with respect to the pivotal point of one lever to provide a toggle



action and facilitate both lifting movements and final seating during closing movement of the cover, and deformable means for sealing the cover which is compressed against the seating rim of the curbing during seating movement of the cover under the action of the spring.

2,137,752
COMPRESSOR
Alexander D. Ferguson, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application May 2, 1935, Serial No. 19,455
24 Claims. (Cl. 230—26)

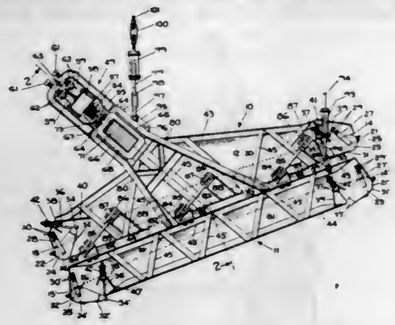


1. In combination, a compressor having high and low pressure cylinders, means for unloading the low pressure cylinder, and automatically acting means controlled by variations in pressure, at a point beyond said unloading means, arising from the unloading of the low pressure cylinder for subsequently unloading the high pressure cylinder and venting the low pressure cylinder discharge freely to atmosphere at a point short of said high pressure cylinder.

2,137,753
VIBRATORY SCREENING DEVICE
James A. Flint, Bexley, Ohio, assignor to The Traylor Vibrator Company, a corporation of Colorado
Application December 12, 1934, Serial No. 757,159
5 Claims. (Cl. 209—311)

5. In a vibratory screening device, the combination with a plurality of screens, of a straight

line vibration type, of vibratory motor having an armature attached to one screen and a field structure attached to the other, said motor being



operable to impart straight line motion to said screens having a vertical component, and means for flexibly supporting said screens to provide for the aforementioned straight line motion of them.

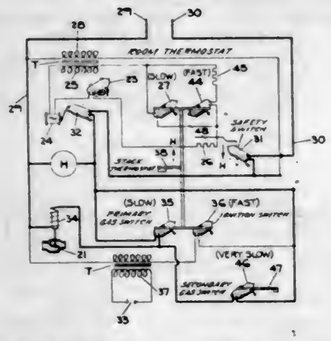
2,137,754

CONTROL SYSTEM FOR PULVERIZED FUEL BURNERS

Earle V. Francis, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio

Application April 26, 1935, Serial No. 18,336

4 Claims. (Cl. 110—28)



1. In a system for burning fluent fuel, the combination with a furnace including a main combustion chamber, of a preliminary combustion chamber within said main combustion chamber, a fluent fuel delivering means including a motor, an electro-magnetic gas valve, ignition means, parallel circuits for said motor, valve and ignition means, a thermostatically controlled switch for closing and opening all of said circuits, a switch individual to said electro-magnetic gas valve, a switch individual to said ignition means, a shunt circuit for said gas valve switch including a combustion temperature controlled switch, and initial temperature responsive means adapted to open the switches individual to said gas valve and ignition means responsive to initial combustion, said shunt circuit combustion temperature controlled switch being effective to maintain said gas valve open for a period after said initial temperature responsive means opens said individual switches and until said preliminary combustion chamber reaches a fluent fuel combustion supporting temperature.

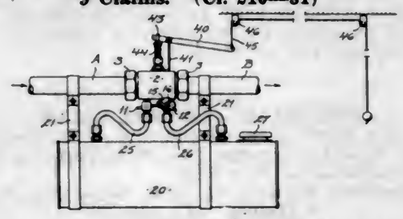
2,137,755

WATER SOFTENING DEVICE

Guilford C. Glynn, Cleveland, Ohio

Application September 8, 1936, Serial No. 99,732

9 Claims. (Cl. 210—31)



1. An apparatus for modifying fluid passing through a conduit, comprising a by-passage leading from and to the conduit and incorporating a storage space for chemical, a cup shaped disc, the flange of which fits the conduit and the web of which forms a relatively thin partition in the conduit between the inlet and outlet of the by-passage, said partition having an orifice which, in effect, restricts the conduit and creates a region of relatively low pressure over the return inlet of the by-passage for drawing a portion of the chemical content of the storage space into the aforesaid fluid.

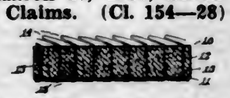
2,137,756

INSULATING PAD AND THE LIKE AND METHOD OF MAKING SAME

Charles T. Gould and Herbert M. Bonney, Walpole, Mass.

Application March 17, 1937, Serial No. 131,424

8 Claims. (Cl. 154—28)



1. The method of forming cushioned pads consisting of feeding to a sewing machine two sheets of tough material between which is interposed a thick layer of compressed expansible wool, uniting said sheets and layer by a plurality of lock stitches, and drawing out the loop of each stitch above the upper sheet during the formation of the next stitch to a length sufficient to permit the extreme expansion of said wool.

3. As a new article of manufacture, a cushioned pad consisting of two separated parallel sheets of covering material having between them a thick layer of compressed expansible material, said sheets being flat and connected together by threads loosely stitched through said layer of material with elongated loops of surplus thread above the upper sheet thereby permitting further sepation of said sheets upon the expansion of said filling material, said sheets remaining flat and parallel during and after the expansion of said filling material.

2,137,757

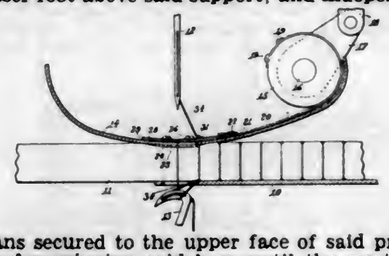
ATTACHMENT FOR STITCH FORMING MECHANISMS OF SEWING MACHINES

Charles T. Gould and Herbert M. Bonney, Walpole, Mass.

Application June 21, 1937, Serial No. 149,288

14 Claims. (Cl. 112—2)

1. In a sewing machine for stitching together the opposite walls of a pad containing a thick layer of fluffy material and having two cooperating stitch forming devices, a mechanism consisting of a flat reciprocating blade provided at its forward end with a lateral hook to seize the thread at a point between said devices; means for moving said blade rearwardly to form an elongated loop in said thread; a work support; a presser foot above said support; and independent



means secured to the upper face of said presser foot for gripping said loop until the next forward movement of said blade.

2,137,758

LIQUID EGG AND PROCESS OF MAKING SAME

Herman Heuser, Evanston, Ill.

No Drawing. Application November 11, 1935, Serial No. 49,251

5 Claims. (Cl. 99—113)

1. The process of making preserved liquid egg, which consists in liquefying fresh egg in its moisture content, dissolving in the egg a non-preserving amount of sugar, adding to the egg a minor portion of papain that does not act hydrolyzing upon the raw egg albumen, removing the air from the egg, and sterilizing the egg.

2,137,759

BUILDING WALL STRUCTURE

David Martin, Pittsburgh, Pa.

Application November 13, 1936, Serial No. 110,679

1 Claim. (Cl. 72—36)



A building block of concrete having an outer surface of quick-setting material of fine texture and having its remaining body portion of a coarser material and a glass grille simulating mortar joints of brick cast integrally in and substantially flush with the outer surface material to be visible on the surface thereof.

2,137,760

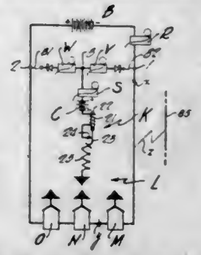
DIRECT CURRENT SIGNALING SYSTEM

Edward J. McCarthy, Newton, Mass., assignor to The Gamewell Company, Newton Upper Falls, Mass., a corporation of Massachusetts

Application July 11, 1932, Serial No. 621,785

6 Claims. (Cl. 177—367)

6. A signaling system comprising a signal loop, an emergency conductor for connection to points of said loop, signal transmitters in said loop for sending signal impulses through said loop and through said conductor, a direct current source and a signal receiver connected in series to the terminals of said loop, two rectifier elements conducting current in different directions, respectively, and two emergency recorders in series between said terminals, and an automatic constant current regulator, an emergency battery and a third emergency recorder between said emergency conductor and a point intermediate one of said rectifiers and one emergency recorder on the one side and the other rectifier and emergency recorder on the other side, said cur-



rent regulator limiting to a predetermined value the current flowing in any circuit separated by said rectifier elements and including said emergency conductor.

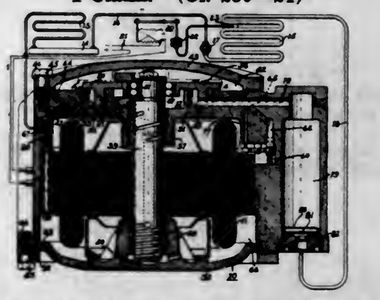
2,137,761

REFRIGERATING APPARATUS

Alex A. McCormack, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application November 29, 1933, Serial No. 700,160

1 Claim. (Cl. 230—24)



A motor-compressor unit comprising a casing, a sealing dividing wall extending across the casing to divide the casing into two compartments, a compressor located in one of said compartments, an electric motor in another of the compartments for driving the compressor, said compressor having a discharge outlet discharging into its compartment, the dividing wall structure of said casing being provided with a restricted passage connecting said compartments through which fluid discharged by said compressor flows, said compartment containing the electric motor being provided with an outlet for compressed fluid, and an unloading device for said compressor including means for restricting the flow of fluid through said passage whereby a pressure differential is set up between said compartments, said unloading device being actuated by the pressure differential between said compartments to unload the compressor during its starting period and to load the compressor during normal operation.

2,137,762

PIPE WORKING MACHINE

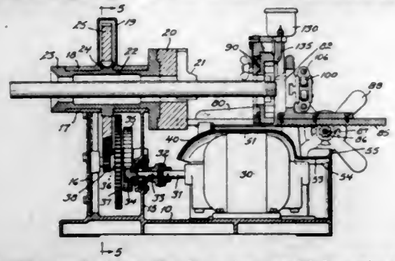
William A. Phillis, Warren, Ohio, assignor to Beaver Pipe Tools, Inc., Warren, Ohio, a corporation of Ohio

Application March 1, 1938, Serial No. 193,311

18 Claims. (Cl. 10—89)

1. In a power driven tool, the combination of a chuck, a motor for driving the chuck, a carriage over the motor adapted to carry a tool for engagement with a pipe mounted in the chuck,

a housing over the motor and beneath the carriage having a gutter for receiving oil, and a re-



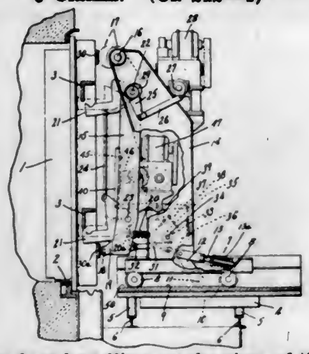
ceptacle carried by the housing, said housing being adapted and arranged to divert oil falling thereon into said receptacle.

2,137,763

DOOR HANDLING MECHANISM

Eugene W. Schellentrager, Shaker Heights, Ohio, assignor to The Atlas Bolt & Screw Company, Cleveland, Ohio, a corporation of Ohio

Application October 21, 1936, Serial No. 106,731
6 Claims. (Cl. 212—4)



1. Oven door handling mechanism of the character described, comprising a carrier movable toward and from the oven, a pendular head pivotally mounted on the carrier so that its lower end swings toward and from the door, said head being provided with upper and lower abutments, the former near the pivotal axis and the latter below the same, said head being biased to always tend to move to a normal position with said lower abutment advanced beyond the upper abutment, whereby upon advance of said carrier the lower abutment first engages the door and the head then swings upon its axis until the upper abutment engages the door, means for securing the head immovable upon the carrier in position with both abutments engaging the door, and door lifting means on the head, whereby with the lifting means and both abutments engaging the door and with the head immovable upon the carrier the door may be withdrawn from and replaced in the door opening by movement of the carrier but without disturbing the relation between the door and carrier.

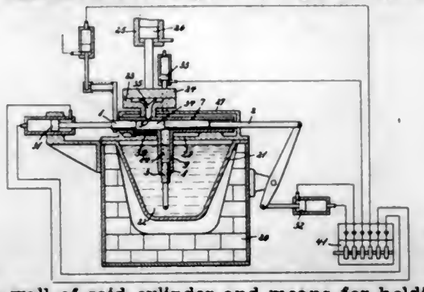
2,137,764

APPARATUS FOR CASTING METAL UNDER PRESSURE

Karl Friedrich Wagner, Friedrichshafen, Bodensee, Germany

Application March 4, 1937, Serial No. 128,896
In Germany March 19, 1936
3 Claims. (Cl. 22—68)

1. A metal casting apparatus comprising in combination, a cylinder forming a pressure chamber, two opposed pistons arranged in said chamber for reciprocation in opposite directions, means for feeding molten metal into said chamber intermediate said pistons, a gate formed in



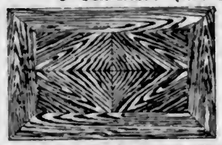
the wall of said cylinder and means for holding said pistons equally spaced from said gate before compression begins, and for moving same towards said gate with equal pressures and speeds.

2,137,765

METHOD OF SIMULATING WOOD GRAIN AND STONE MARKINGS

Franz Weiss, Park Ridge, Ill., assignor to R. H. McMurtrie, Huntingburg, Ind.

Application May 12, 1938, Serial No. 207,567
9 Claims. (Cl. 41—17)



actual wood-grain impression on top of grain-lines.

5. The method of simulating wood markings in matched sections comprising forming grain lines in sections on the prepared surface of an article to be treated, said grain lines extending within each section in the directions of the grain impressions to be superimposed thereon, placing matched grain impressions in half tone dots over corresponding sections of grain lines, applying a liquid solvent for said half tone dots to said matched sections while the half tone dots are still wet, and placing said article on a level surface so that the solvent will cause the half tone dots to spread on the grain lines in each section and thereby soften and impart to said matched sections when dry the appearance of genuine wood grains.

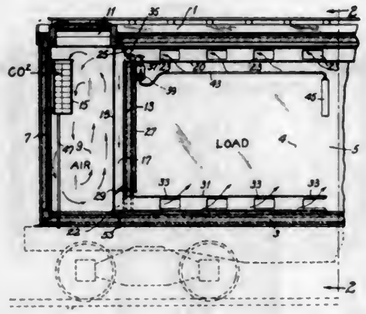
2,137,766

REFRIGERATOR VEHICLE

David C. Arthurs and Jesse A. Guyer, Mount Vernon, Ill., assignors to Mt. Vernon Car Mfg. Co., Mount Vernon, Ill., a corporation of Illinois

Application November 21, 1936, Serial No. 111,978
1 Claim. (Cl. 62—91.5)

A refrigerator vehicle comprising a load compartment, a refrigerating compartment separated from the load compartment and containing secondary air, a duct extending from the top of the load compartment and entering into the top of the refrigerating compartment, said duct passing down through the refrigerating compartment and leaving at the bottom to enter said load compartment near its bottom whereby primary air circulation may be induced by gravity in the duct in a direction such as to flow down within the portion of the duct that is in the refrigerating compartment and up through the load compartment, at least one wall of said duct comprising a heat transmitting wall in the refrigerating compartment, a closed and substantially gas-tight dry-ice chest in said refrigerating compartment and spaced from said heat transmitting wall so as to compel a gravity circulation of secondary cooling air in the refrigerating compartment and between the dry-ice chest and said heat trans-



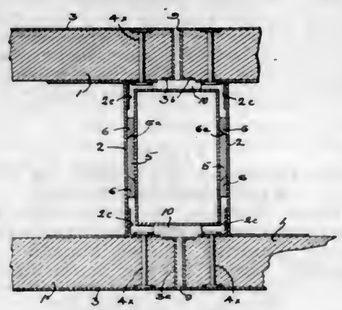
mitting wall, the flow of said cooling air adjacent said wall being upward and counter to the flow of said primary circulation within the duct, the gravity circulation of secondary air being independent of any circulation of primary air, or of material in the chest and means for discharging gas from the dry-ice chest to the atmosphere.

2,137,767

BUILDING CONSTRUCTION

David S. Betcone, Middletown, Ohio

Application December 17, 1937, Serial No. 180,463
26 Claims. (Cl. 72—1)



1. In a wall assembly, a plurality of prefabricated wall units arranged side by side, said units each comprising spaced wall panels forming the opposite wall faces connected together; a plurality of separate prefabricated locking members positioned within the spaced panels between adjacent wall units; and locking elements prearranged on the units and members adapted to interlock when the members are positioned.

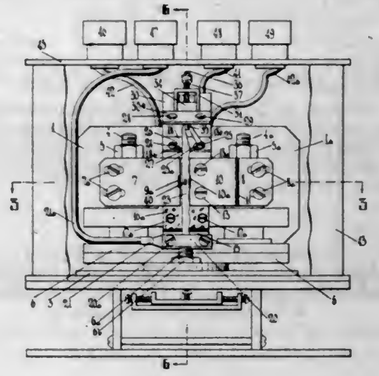
2,137,768

SOUND RECORDING OSCILLOSCOPE

Harold Leonard Coughlan, Dunedin, New Zealand

Application March 30, 1935, Serial No. 13,986
In New Zealand April 6, 1934
16 Claims. (Cl. 171—95)

1. In an instrument of the oscilloscope type, means for producing a magnetic field, a vibrating light reflecting means arranged in said field, means for tensioning said light reflecting means above and below said field producing means, and



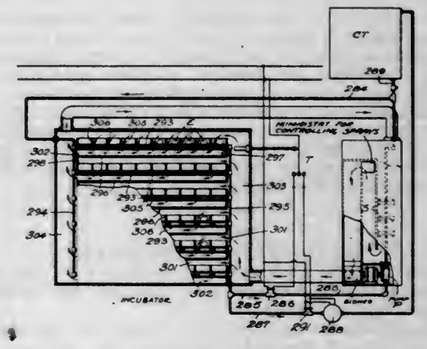
fixed means applied along one edge of said light reflecting means to constrain the movement thereof.

2,137,769

AIR CONDITIONING SYSTEM

Robert B. P. Crawford, Washington, D. C., assignor to Frick Company, Waynesboro, Pa., a corporation of Pennsylvania

Original application July 5, 1929, Serial No. 375,952. Divided and this application July 17, 1937, Serial No. 154,316
10 Claims. (Cl. 257—1)



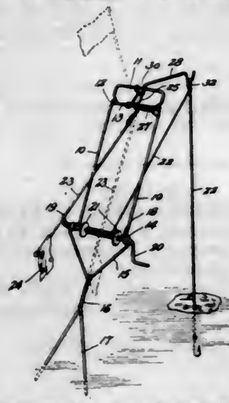
1. An air conditioning system comprising an enclosure adapted to house bodies emitting some heat, a dehumidifier in said system in which air is conditioned with respect to its humidity and temperature, cooling means in said enclosure by which air is cooled, regulating means operable on the dehumidifier to effect a predetermined absolute humidity value of such air, temperature responsive regulating means for controlling the cooling means, means for supplying said cooling means with a cooling fluid at a temperature not less than the temperature of the air about said cooling means, whereby no condensation can occur on the cooling means, and said cooling means becomes effective to absorb heat which may leak into or be emitted by bodies within the enclosure.

2,137,770
BRAIDED ARTICLE AND METHOD OF MAKING SAME
Joseph De Francesco, St. Louis, Mo.
Application November 24, 1937, Serial No. 176,313
10 Claims. (Cl. 96—25)



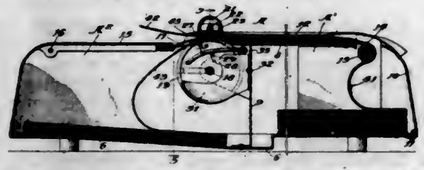
1. A single piece braided article comprising terminal portions and an intermediate portion, the latter being formed in a plurality of parallel strips formed integral with said terminal portions and adapted to be braided together.

2,137,771
ICE-FISHING TIP-UP
Leon E. Goodwin, North Amity, Maine
Application April 5, 1937, Serial No. 135,148
8 Claims. (Cl. 43—16)



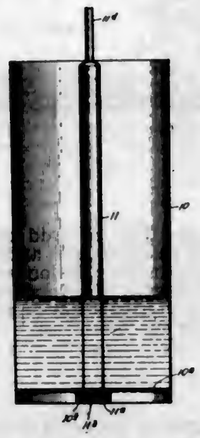
3. A device of the character described including a frame, a spring actuated signal arm pivoted thereon and urged upwardly to active position, said arm being provided at its inner end with a latch loop, and a trigger swingingly mounted on the frame and provided with a crotch forming a shoulder engageable with said loop for restraining the arm in lowered position, the trigger being movable to release said arm by a pull on a line engaged with the trigger.

2,137,772
AUTOGRAPHIC REGISTER
Louis Jensen, Chicago, Ill., assignor to United Autographic Register Co., Chicago, Ill., a corporation of Illinois
Application April 24, 1936, Serial No. 76,241
7 Claims. (Cl. 282—16)



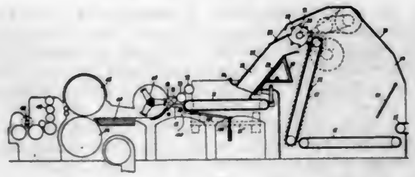
3. In an autographic register casing having a supply compartment, a platen, and a record compartment; feed rolls adapted to draw one form length of continuous form stationery strips provided with register perforations over said platen during each revolution; retractable register pins mounted on said feed rolls to engage and register in turn each form length of said strips; oscillatable means mounted on said casing for disengaging the stationery from the pins; and differential-cam means driven in timed relation to the movement of the feed rolls for actuating said oscillatable means during each alternate revolution of the feed rolls.

2,137,773
MEASURING APPARATUS
Horry M. Jones, Chicago, Ill.
Application January 10, 1938, Serial No. 184,342
2 Claims. (Cl. 73—21)



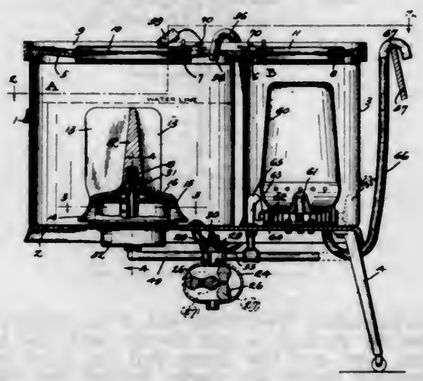
1. Measuring apparatus, including: a substantially straight walled container with a flat bottom having a sump therein; a pipette having a plug at the bottom adapted substantially to fill said sump; and means whereby liquid will flow from the container into the pipette when the plug is in place in the sump; whereby a predetermined fractional amount of any quantity of liquid in the container may be withdrawn in the pipette.

2,137,774
SINGLE PROCESS SCUTCHER OR PICKER WITH HOPPER FEEDER
John Green Kershaw, Drummondville, Quebec, Canada, assignor to Dominion Textile Company Limited, Montreal, Quebec, Canada
Application August 3, 1934, Serial No. 738,282
Renewed May 4, 1938
6 Claims. (Cl. 19—68)



1. In a scutching or picker machine, a feed carrier suitably driven and having a start and stop mechanism, means for dressing the material fed in, an encased passage having a movable member operated by excess material for stopping the feed and a delivery sheet frame having a rack and pinion adjustment and carrying the bottom of said encased passage forwardly and rearwardly.

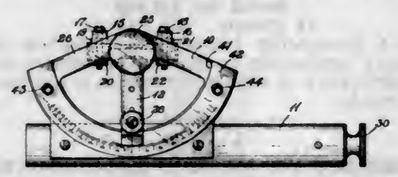
2,137,775
LAUNDRY MACHINE AND METHOD
James B. Kirby, West Richfield, Ohio, assignor, by mesne assignments, to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio, as trustee
Application May 16, 1930, Serial No. 452,957
25 Claims. (Cl. 8—137)



1. In a washing machine, a liquid holding casing, a pneumatic motor inside said casing near the bottom thereof, said motor having a vertical shaft, a supply pipe for air under pressure traversing the casing bottom and connected to said motor and an agitating element operatively connected to said shaft, said agitating element having its lower part hollowed out for said motor and said motor discharging its waste air into said hollowed-out portion.

12. The method of washing clothes and other fabric articles in a liquid container which comprises immersing the articles to be cleaned in a detergent liquid in the container, and aerating the container contents while at the same time creating violently flowing currents in the container moving away from and back to a source of agitation and a source of aeration continuously and rubbing and scrubbing the clothes as they are circulated whereby the fabric articles are at all times freely suspended in the detergent liquid and washed while so suspended.

2,137,776
HAND LEVEL
Marcus Leupold, Portland, Oreg.
Application September 14, 1936, Serial No. 100,742
5 Claims. (Cl. 33—73)

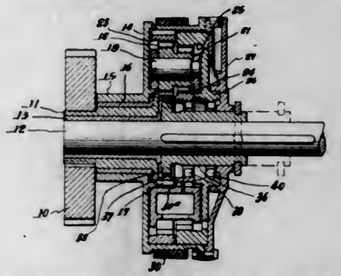


1. In a leveling instrument of the class described, a frame member provided with an arcuate groove, and a separate and separable scale member snugly fitting in and retained by said groove, said scale member being removable from said groove and said groove having in its bottom portion scale indicia which are different than those on the separable scale member, whereby upon removing said separable scale member a different scale is exposed.

2,137,777
LUBRICANT AND METHOD OF LUBRICATION
Bert H. Lincoln and Waldo L. Steiner, Ponca City, Okla., and Alfred Henriksen, deceased, late of Ponca City, Okla., by John W. Wolfe, administrator, de bonis non, Ponca City, Okla., assignors to The Lubri-Zol Development Corporation, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application December 21, 1936, Serial No. 116,986
11 Claims. (Cl. 87—9)

1. A lubricating oil comprising in combination a hydrocarbon oil and a small amount of halogenated aliphatic alcohol.

2,137,778
PLANETARY GEARED REDUCTION DEVICE
William T. McCullough, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application June 25, 1937, Serial No. 150,221
5 Claims. (Cl. 74—277)



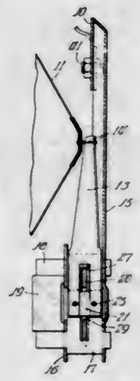
1. In a planetary transmission device, a driving gear, a shaft, a casing mounted coaxial of said shaft and driving gear, a sleeve freely mounted on said shaft and being driven by said driving gear and extending within said casing, a sun gear on the inner end of said sleeve, friction means engaging the outer periphery of said casing for controlling rotation thereof, a cage rotatably mounted within said casing, an internal gear fixed to said casing and another internal gear mounted within said casing for free rotation with respect thereto, planetary pinions mounted within said cage and meshing with said internal gears, and a single member slidable along said shaft and adapted to have selective engagement with said sleeve, cage, or second mentioned internal gear for driving said shaft at either the speed of rotation of said sleeve, cage, or second-mentioned internal gear.

2,137,779
PROCESS OF IMPREGNATING WOOD CHIPS
Fredrich Olsen, East Alton, Ill., assignor to The Cellulose Research Corporation, a corporation of Delaware
No Drawing. Application April 24, 1935, Serial No. 17,894
9 Claims. (Cl. 92—7)

1. The process of treating wood to form pulp comprising subdividing wood into pieces of chip size or smaller and of relatively flat shape; submerging a mass of said wood pieces in an aqueous liquid; heating the entire mass of wood pieces and liquid to the boiling point of said liquid at not less than atmospheric pressure; continuing the boiling of said submerged wood pieces in said liquid under conditions of active ebullition and vapor removal until the discharge of air ceases; thereafter adjusting the temperature and pres-

sure conditions to those at which steam is condensed in the wood pieces, while they are submerged in an impregnating liquid; continuing such conditions and submergence until impregnation with the impregnating liquid is complete, while maintaining the pieces in an air-excluding medium continuously from the boiling treatment to the completion of impregnation, a delignifying reagent being introduced into the wood pieces by the impregnating liquid at a temperature below that of active reaction; heating the mass of wood pieces in a submerging fluid medium to the range of temperatures of active reaction by said reagent; and digesting the wood pieces with said reagent to form pulp.

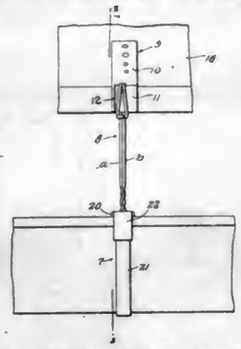
2,137,780
SPEAKER
Walter J. Paredes, Chicago, Ill., assignor to Arlavox Manufacturing Company, a corporation of Illinois
Application April 20, 1936, Serial No. 75,442
6 Claims. (Cl. 179—115)



4. Motor means for driving the diaphragm of a speaker of the character described, including: a frame having slots therethrough; field elements having extended portions and at least two arm portions substantially perpendicular to said extended portions, the top and bottom of each of said field elements projecting through said slots; a block of permanently magnetized material grippingly supported by the extending portions of said field members, whereby a magnetic field exists between the arm portions of said field members; an armature in said field; a lever having one end rigidly mounted on said armature and the other end connected to said diaphragm; and means for setting up a second variable flux through said armature, whereby movement of said diaphragm is effected.

2,137,781
EAVES TROUGH HANGER
Frank R. Payne, Peru, Ind.
Application May 10, 1937, Serial No. 141,788
2 Claims. (Cl. 248—48.1)

2. An eaves trough hanger comprising an anchor including a plate adapted to be connected to a roof part and a depending lip at the outer end of the plate located in front of the eaves of the roof and said plate having a hole therein slightly in rear of the lip, a suspending element including a pair of wires having their upper ends passing in rear of the lip through the hole and then bent downwardly over the front of the lip and having their ends connected with the rest of the wires under the lip, the lower portions of the wires being twisted together and a trough engaging clamp having holes therein, through the center one of which the wires pass with one



wire extending toward one end of the clamp and upwardly through a hole therein with the terminal bent over the clamp and the other wire extending under the clamp toward the other end thereof and through another hole with its terminal bent over the top of the clamp.

2,137,782
LUBRICATING COMPOSITION
Carl F. Prutton, Cleveland, and Albert K. Smith, Shaker Heights, Ohio, assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application July 16, 1935, Serial No. 31,720
18 Claims. (Cl. 87—9)

1. A lubricating composition including as a primary lubricating constituent a halogenated oxygen-bearing organic compound in a lubricating oil vehicle, said compound having a vapor pressure less than atmospheric at a temperature of 140° C.

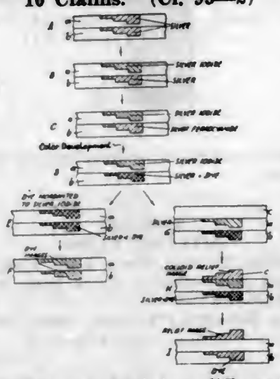
2,137,783
LUBRICANT
Carl F. Prutton, East Cleveland, and Albert K. Smith, Shaker Heights, Ohio, assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application April 14, 1937, Serial No. 136,860
14 Claims. (Cl. 87—9)

1. A lubricating composition including as a primary lubricating constituent a halogen-bearing derivative of diphenyl ether in a lubricating oil vehicle.

2,137,784
LUBRICANT AND METHOD OF LUBRICATING
Carl F. Prutton, Cleveland Heights, and Albert K. Smith, Shaker Heights, Ohio, assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application December 29, 1937, Serial No. 182,300
17 Claims. (Cl. 87—9)

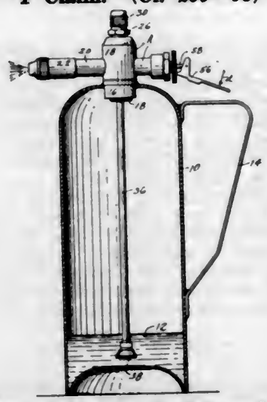
1. A lubricating composition including as a primary lubricating constituent a halogen-bearing ether in a lubricating oil vehicle.

2,137,785
COLOR PHOTOGRAPHY AND CINEMATOGRAPHY
Edgar Sanders-Dolgoruki and John Hubert Reindorp, London, England, assignors to Truecolour Film Limited, London, England, a British company
Application October 21, 1936, Serial No. 106,887
In Great Britain October 9, 1936
10 Claims. (Cl. 95—2)



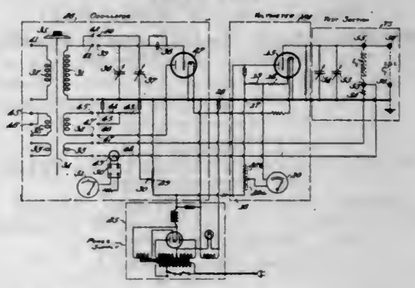
1. A method of obtaining differently colored images in two photographic emulsion layers superimposed on one side of a support, which consists in developing silver images in both layers, fixing the layers, converting the image in the upper layer into silver iodide, and the image in the lower layer into a silver salt capable of redevelopment, redeveloping the image in the lower layer with a color developer, and coloring the upper layer in any suitable manner.

2,137,786
SPRAY OILER
Harold L. Schlosser, Defiance, Ohio, assignor to Lectrolite Corporation, Defiance, Ohio, a corporation of Ohio
Application April 9, 1936, Serial No. 73,482
1 Claim. (Cl. 299—95)



In combination with a container for oil or the like, a fitting connected with the top thereof and comprising the following elements: a nozzle projecting horizontally in one direction therefrom, a control valve for controlling the flow of fluid from said container to said nozzle and having a stem, an operating lever pivoted to said control valve stem, projecting horizontally in the opposite direction from said fitting and having a projection engaging the end of the control valve, an intake pipe connected with the bottom of said fitting, depending within said container and terminating adjacent the bottom thereof and an intake check valve at the top of said fitting for receiving compressed air and discharging it into said container, and a handle on said container so located with respect to said lever that said lever may be readily swung about its pivotal connection with the thumb when said container is being carried by means of said handle whereupon said projection engages said control valve and effects pulling of said control valve stem outwardly relative thereto and thereby opening of said control valve.

2,137,787
METHOD AND APPARATUS FOR ELECTRICAL MEASUREMENTS
Harold A. Snow, Mountain Lakes, N. J., assignor to Boonton Radio Corporation, Boonton, N. J., a corporation of New Jersey
Application November 13, 1936, Serial No. 110,768
19 Claims. (Cl. 175—183)

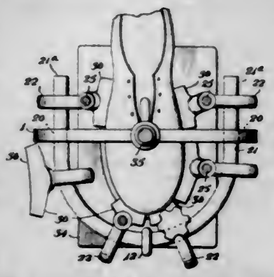


1. The method of determining the relative Q values of a plurality of inductors which are successively connected in series with a circuit of negligible resistance comprising an adjustable condenser in series with a measured source of alternating voltage, which method comprises maintaining the voltage output of the source at the same value as the inductors are successively connected into the circuit, adjusting the capacitance of the condenser to resonate with the inductors as they are successively connected into the circuit, measuring the voltages developed across the condenser when resonated with the respective inductors included in the circuit, and evaluating the Q values of the several inductors in direct proportion to the measured voltages corresponding to those inductors.

2,137,788
SOLE ATTACHING PRESS
Gotthold Strobel, Frankfort-on-the-Main, Germany
Application January 10, 1938, Serial No. 184,239
In Germany January 6, 1937
3 Claims. (Cl. 12—33)

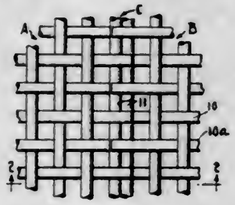
1. A sole attaching press, comprising a last tensioning spindle, a semicircular welt tensioning frame disposed with its parallel and rectilinearly extending free ends in a hole of said spindle, threaded pressure spindles cooperating with freely rotatable segments for engaging the work, slotted sliding members having a smooth bore and disposed on said tensioning frame for the reception of said pressure spindles and threads unilaterally cut into the smooth bore of the sliding members with their axis arranged at an angle

to the bore, said pressure spindles being longitudinally displaceable in the axial direction of



said smooth bore and also screwable and lockable in the axial direction of the threads.

2,137,789
WIRE FABRIC SEAM AND METHOD OF MAKING SAME
William J. Taylor, Nutley, N. J.
Application August 26, 1937, Serial No. 161,124
5 Claims. (Cl. 245—10)



1. Method of joining ends of wire fabric comprising cutting the warp wires of the ends to be joined along the far face of a weft wire, removing first the terminal weft wire and second the weft wire next thereto, placing a solder-covered wire between the extended warp wire ends in substantially the position formerly occupied by the weft wire last removed, placing a hard renitent wire parallel said solder-covered wire and between the extended warp wire ends, cutting the extended warp ends at a place adjoining the far face of the renitent wire, removing said wire, positioning the fabric ends to be joined adjacent each other in a manner whereby the warp elements are in alignment and the projecting ends of the warp wires overlap more than one solder-covered wire, heating the fabric ends whereby the solder is caused to flow over the surfaces abutting the solder-covered wire and cooling the assembly whereby the solder is caused to solidify and the members to be united.

2,137,790
POWDER PUFF
Lloyd Orlando Thompson, Monrovia, Calif., assignor of one-third to O. A. Tangren and one-third to Soren O. Thompson, both of Salt Lake City, Utah
Application August 2, 1937, Serial No. 156,909
3 Claims. (Cl. 132—78.5)

1. A powder puff of the class described, comprising a resilient member having a powder receiving pocket therein, with the mouth of the pocket opening out through an edge portion of the member, one side wall of the pocket having perforations therein, a porous member covering said side wall, a fabric covering for said members, formed of porous fabric and having an opening in an edge portion thereof adjacent the



mouth of the pocket and flap means for closing said opening.

2,137,791
ROTARY PUMP
Homer Arthur Thrush, Peru, Ind., assignor to H. A. Thrush & Company, Peru, Ind., a corporation of Indiana
Application December 7, 1934, Serial No. 756,557
2 Claims. (Cl. 103—97)

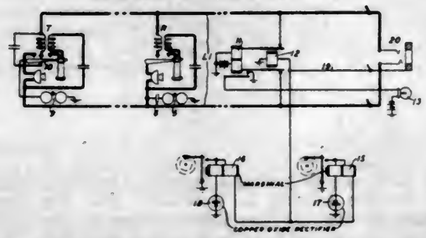


1. A rotary pump comprising a casing having diametrically opposed inlet and outlet openings and an intermediate impeller housing, a rotatable impeller in said housing, said inlet and outlet openings being divided by partitions substantially perpendicular to the axis of said impeller to form separate fluid passages at each end of the casing, said casing being provided with fluid passages connecting the upper of said separate passages at one end and the lower of said separate passages at the other end of said casing to said impeller housing and provided with a by-pass passage around the impeller housing connecting the remaining separate passages, and a check valve in said by-pass passage.

2,137,792
ORGANIC PHOSPHORUS-CONTAINING COMPOUNDS
Willard H. Woodstock, Homewood, Ill., assignor to Victor Chemical Works, Chicago, Ill., a corporation of Illinois
No Drawing. Application September 12, 1936, Serial No. 100,558
15 Claims. (Cl. 260—461)

1. A composition of matter comprising essentially a phosphinic acid of an aliphatic petroleum hydrocarbon containing more than five carbon atoms.

2,137,793
TELEPHONE SYSTEM
Emil N. Anderson, Oak Park, Ill., and Emil L. Getz, Ridgewood, and Horace W. Ulrich, Newark, N. J.; said Anderson assignor to American Telephone and Telegraph Company, a corporation of New York, and said Getz and Ulrich assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 26, 1938, Serial No. 186,968
11 Claims. (Cl. 179—8.5)



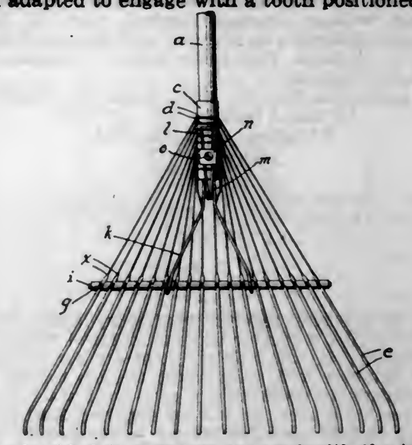
1. In a communication system, lines including a two-party line, a relay for said line, a call meter for each of the stations of said line, a test conductor for said line, the windings of said relay and meters being connected in multiple to said conductor, a rectifier in series with one of said meters, an oppositely poled rectifier in series with the other of said meters, a link for use in interconnecting calling and called lines, a source of current effective upon interconnection of the link and said line to operate said relay but having insufficient electromotive force to cause the operation of either of said meters, other sources of current associated with said link, means for determining on a call originating on said two-party line the station at which the call originated, means effective upon identification of the calling station to connect to said test conductor to operatively energize said relay a source of current of the same polarity as is required for operating the meter of the calling station, and means comprising a key for operating the meter of the calling station.

2,137,794
COMPOSITION OF MATTER AND METHOD OF MAKING SAME
Michael Baffa, Indianapolis, Ind., assignor to Lilly Varnish Company, Indianapolis, Ind., a corporation
No Drawing. Application February 4, 1935, Serial No. 4,887
3 Claims. (Cl. 134—48)

1. A new composition of matter having the characteristics of a light-fast pigment stain, comprising a mixture in the proportions of approximately ten pounds of pigment ground in oil, approximately three gallons of naphtha, approximately one quart of water, approximately twenty and one-half ounces of a sulphonated oil of a class consisting of vegetable and animal oils, approximately five and one-half ounces of paraffin oil, approximately four and three-fourths ounces of soap, and approximately one-half pound of water stain powder.

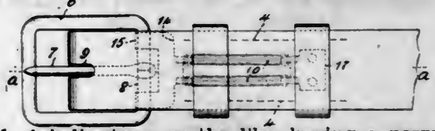
2,137,795
RAKE
Alfred J. Bailie, Wyndmoor, Pa.
Application July 7, 1937, Serial No. 152,302
4 Claims. (Cl. 55—10)

3. A rake including, in combination, a ferrule provided with a series of slots, teeth positioned within the slots in the ferrule, a key extending within the ferrule and adapted to close the slots therein, said key having shoulders adjacent one end adapted to engage with a tooth positioned in



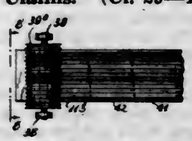
one of said slots, a spacer engaged with the teeth on a line spaced from the ferrule and means adapted to positively engage the spacer and lock it in engagement with the teeth.

2,137,796
WAIST AND LIKE BELT AND BAND AND THEIR FASTENING
Francis John Bayliss, Walsall, England
Application December 30, 1937, Serial No. 182,393
In Great Britain April 20, 1937
4 Claims. (Cl. 241—8)



1. A belt, strap, or the like, having a permanent and flexible longitudinal loop at its one end, a buckle attached to said loop by one of its transverse bars passing therethrough to slide in said loop longitudinally thereof, and a flexible tension spring disposed longitudinally within said loop, said spring having one end in pivotal engagement with said transverse bar, the other end being secured to the inner extremity of said loop.

2,137,797
METHOD OF FORMING A RUNNING THREAD NIPPLE FROM FLAT STOCK
Kornel Berger, New York, N. Y.
Application April 27, 1936, Serial No. 76,556
3 Claims. (Cl. 29—156)

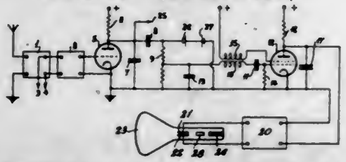


1. In a method for manufacturing grooved strips for use in running thread nipples, the steps of forming parallel grooves upon a strip, longitudinally thereof, parallel with the sides thereof, and extending continuously along the length of said strip, and then cutting pieces from the strip transversely of said strip and at angles to the grooves to obtain the proper pitch of the thread in the finished nipple.

2,137,798
TELEVISION AND THE LIKE TRANSMISSION SYSTEM

Michael Bowman-Manifold, Worplesdon Station, and William Spencer Percival, Hanwell, England, assignors to Electric and Musical Industries Limited, Hayes, England, a company of Great Britain

Application July 14, 1934, Serial No. 735,154
In Great Britain July 19, 1933
3 Claims. (Cl. 178—69.5)

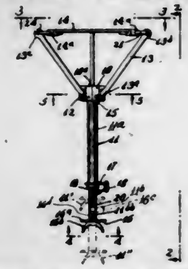


1. A television receiver having an input circuit for receiving a carrier wave modulated with synchronizing signals, a detector, means for coupling said detector with said input circuit, means for generating an oscillation of saw-tooth wave form, a scanning device, means for applying said oscillation to said scanning device to control the operation thereof, means for applying demodulated synchronizing signals from said detector to said generating means, and separate biased rectifier limiting means connected to the detector for limiting the amplitude of each synchronizing signal between predetermined values whereby the oscillations are initiated only during predetermined time intervals.

2,137,799
FOLDING CHAIR

Julius Brandenburg, New York, N. Y.

Application May 18, 1937, Serial No. 143,243
3 Claims. (Cl. 155—135)

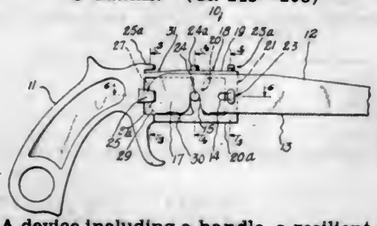


1. In a folding chair a foot for engaging the ground and for supporting a bracket which has arms pivotally mounted thereon to support a seat, said foot comprising telescopic tubes adjustably engaging each other and means for holding said telescopic tubes in their extended positions, said means comprising a ring on the bottom end of one of said telescopic sections, a chain extending from said ring, and a pin on the end of said chain adapted to extend through aligned openings of a series of openings formed in the other of said sections and on which said first section rests, the lower of said sections being provided with a ground peg with wedge shaped prongs for preventing said chair from slipping, said ground peg comprising a shank portion having pegs extending from the sides thereof and engaging bayonet slots in one of said telescopic sections for releasably holding said ground peg in position thereon, said shank portion continuing into a horizontal plate portion abutting the bottom edge of said telescopic section and said plate portion continuing into a vertical toe portion comprising wedge shaped prongs which are adapted to engage into said ground for preventing said chair from slipping.

2,137,800
SAW HANDLE AND BLADE

John E. Davey, New York, N. Y., assignor to Rose Gringer, New York, N. Y.

Application September 4, 1937, Serial No. 162,457
8 Claims. (Cl. 145—108)

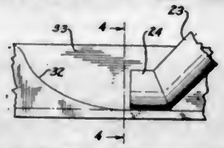


1. A device including a handle, a resilient blade, the handle having a T-headed pin, the blade having a slot for the latter whereby the blade is laterally secured to the handle by pivotal movement of the blade about the stem of said pin, the handle having means comprising a cam portion and a projecting stop portion, the blade having an opening for laterally receiving the stop portion to prevent accidental releasing pivotal movement of the blade, the cam portion coacting with a portion of the blade upon pivotal attaching movement thereof to resiliently deflect the blade to cause the stop portion to be received and secured in said opening, one of said portions having a part overlying the blade to laterally hold the blade against the handle.

2,137,801
METHOD OF FLAME MACHINING AND WELDING

Frank C. Gelbig, Westfield, and Wilgot J. Jacobsson, Elizabeth, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Application January 12, 1935, Serial No. 1,492
11 Claims. (Cl. 113—112)



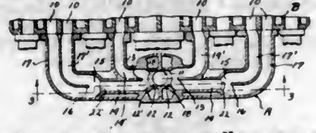
1. A method of removing metal from a metal body to produce a deep channel therein which comprises heating to ignition temperature a portion of the body to be removed, applying an oxidizing gas stream on such heated metal to effect a metal removing reaction, projecting said gas stream parallel to and near the bottom of the channel, and advancing said stream in the direction it is projected and relatively to said body in a direction toward the metal to be removed so as to impinge said stream against a retreating wall of metal extending from the bottom of the channel to the surface of the body and deflect the products of reaction outward.

2,137,802
INTAKE MANIFOLD

Earl Ginn, North Muskegon, Mich., assignor to Continental Motors Corporation, Detroit, Mich., a corporation of Virginia

Application April 17, 1937, Serial No. 137,488
20 Claims. (Cl. 123—52)

1. An engine induction system having in combination, a primary fuel mixture conducting portion, a lateral conducting portion, and a plurality of secondary conducting portions connected with said lateral conducting portion, a split intermediate said secondary conducting portions, and an



arcuate dam having a generally concave contour facing toward the primary fuel mixture conducting portion and extending transversely across the floor of said lateral conducting portion in advance of said split.

2,137,803
CHAIR TIP AND FASTENER THEREFOR

George W. Hambrook, Oak Park, Ill., assignor to Clarin Mfg. Co., Chicago, Ill., a corporation of Illinois

Application May 16, 1938, Serial No. 208,156
6 Claims. (Cl. 45—137.1)

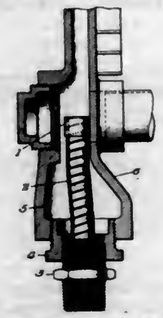


4. A chair tip of the class described, comprising a foot, and a fastener for securing the same to the lower end of a chair leg having hollow beads on its longitudinal edges, said fastener comprising a U-shaped metal stamping of rectangular cross-section throughout having relatively narrow arms and a relatively wide flat base, said arms formed with stop shoulders limiting the penetration of said beads into said foot, and said base, said shoulders, and the portions of said arms therebetween being embedded in said foot.

2,137,804
NIPPLE ORIFICE

Paul Hultgren, Chicago, Ill., assignor to Illinois Engineering Company, Chicago, Ill., a corporation of Illinois

Application March 8, 1937, Serial No. 129,678
2 Claims. (Cl. 237—67)

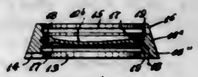


1. A steam radiator having a steam inlet opening with an orifice element secured to the radiator at said opening and comprising a hollow supporting and attaching member having extending therefrom a flexible tubular member, and carrying at its end away from the support a perforated flow restricting element.

2,137,805
SOUND DEVICE FOR FLUID BOILERS

Max Mueller, New York, N. Y.

Application January 27, 1938, Serial No. 187,168
3 Claims. (Cl. 116—67)

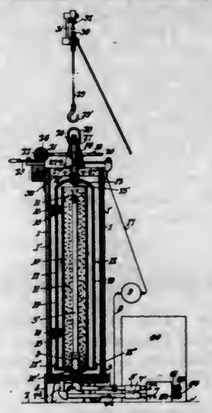


1. A sound device for indicating that the boiling point of a heated fluid has been reached, comprising a shallow body for location in a container in which a fluid is to be heated and adapted to rest freely on and extend across the bottom thereof, and having a hollow bottom face beneath which some of said fluid is capable of collecting, and said body having a passage connecting the compass beneath said bottom face with the exterior thereof through which said fluid may pass, whereby upon heating of the receptacle through the bottom thereof the fluid beneath said body will start boiling before other parts and rattle said body to make a warning sound, said body comprising an outer annular section and a central disc section vertically adjustably mounted thereon.

2,137,806
METHOD AND MEANS FOR FORMING HOLLOW ARTICLES ELECTROLYTICALLY

Arthur E. Paige, Philadelphia, Pa.

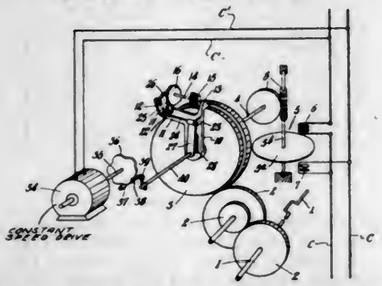
Application February 3, 1937, Serial No. 123,743
7 Claims. (Cl. 204—5)



1. The method of forming an externally smooth cylindrical metallic seamless hollow shell with a head at one end and an internally screw threaded tubular conduit fitting projecting radially entirely inward from an outer cylindrical surface of said shell, which includes detachably rigidly connecting to a cylindrical region of an internal, smooth electrical conducting cathode surface of the complete configuration desired for the external surface of said shell and head, a preformed tubular internally screw threaded conduit fitting projecting radially entirely inward from the cathode shell, having one axial end convexly curved to fit said region; such connection being effected by dielectric screw means extending through said surface into the thread of said fitting and excluding electrolyte from said thread; completely depositing the entire final thickness of said shell and head, upon said in-

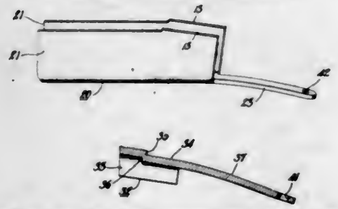
ternal smooth electrical conducting cathode surface, in unitary relation with the outer end of said preformed fitting and during a single continuous electrolytic operation; then removing said dielectric screw means from said conduit fitting thread, to free said shell from said cathode surface; and discharging the completed shell, head and conduit connection axially from within said internal cathode surface; whereby said shell, including said head and conduit connection, is initially provided with an entirely smooth exterior surface.

2,137,807
ELECTRICITY METER
Richard Pudelko, Zug, Switzerland, assignor to Landis & Gyr, A.-G., a corporation of Switzerland
Application December 21, 1936, Serial No. 116,914
In Switzerland December 31, 1935
5 Claims. (Cl. 171—34)



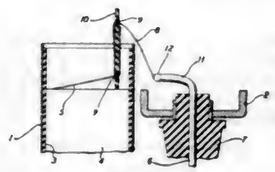
5. In an electricity meter, in combination a driven control means having a loosely mounted driven toothed wheel, a drive including a shaft rotated by a meter, an arm fixed on said shaft, a driving wheel mounted on said arm and normally engaging said driven toothed wheel to cause it to rotate with said arm, means mounted on the arm for rotating said driving wheel, means for imposing a base rate including a constantly driven shaft, and connections from said constantly driven shaft to said driving wheel on the arm to effect relative movement between said arm and the driven wheel.

2,137,808
FIREARM FRAME AND METHOD OF MAKING SAME
Edwin Pugsley, New Haven, Conn., assignor to Winchester Repeating Arms Company
Application January 13, 1937, Serial No. 120,334
8 Claims. (Cl. 29—148.2)



5. In the method of forming a firearm frame, the steps which include bending up the sides of a flat blank of metal to form an upwardly open trough, fusing to said trough an arch member to form a tubular portion, machining a seat in said tubular portion, inserting a breech-block member in said tubular seat and fusing said breech-block member to said tubular portion to form a breech closing wall.

2,137,809
TERMINAL CONNECTION FOR ELECTRICAL DEVICES
Karl F. Rodgers, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 31, 1937, Serial No. 156,639
4 Claims. (Cl. 175—41)

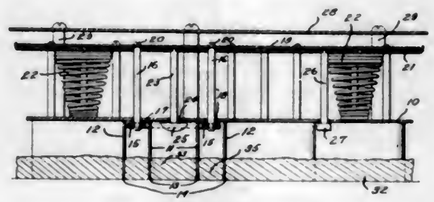


1. In an electrical device, an electrical unit, a casing therefor, a completely removable cover for said casing having terminal members mounted thereon, terminal leads associated with said unit and adapted to be soldered to the terminal members mounted on said cover, a slotted insulating plate detached from the casing through which the terminal leads are woven, said leads being relatively long and bent into accordion-like folds on each side of said insulating plate so that they can be extended out of the casing during the soldering operation and folded inside the casing above and below the insulating plate when the cover is placed in its normal position without causing short circuits.

2,137,810
DIRECT DYES, PROCESS, AND PRODUCT
Swanie S. Rossander, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 11, 1937, Serial No. 147,699
7 Claims. (Cl. 8—46)

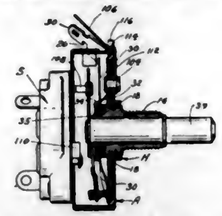
4. The process which comprises impregnating cellulose with 3:3'-diamino-diphenyl-urea which had been azotized and coupled to two mols of 2 (3'-amino-benzoyl-amino) 5-naphthol-7-sulfonic acid, rinsing the dyed fabric, azotizing the color thereon, and coupling with beta-naphthol.

2,137,811
DOUGHNUT CUTTER
John W. Royal, Malden, Mass.
Application August 18, 1937, Serial No. 159,680
4 Claims. (Cl. 107—47)



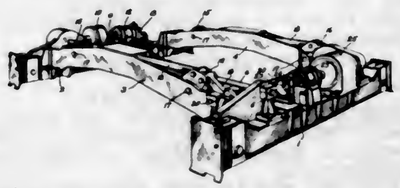
1. In a doughnut machine, the combination with a base plate having concentric cutters located on the under side thereof, of a fixed top plate and movable ejector plates and ejector units occurring below said top plate adapted to effect a plurality of sequential ejecting operations.

2,137,812
INTERPOSED DISK RHEOSTAT
Newton C. Schellenger, Elkhart, Ind., assignor to Chicago Telephone Supply Company, a corporation of Indiana
Application May 1, 1933, Serial No. 668,757
10 Claims. (Cl. 201—48)



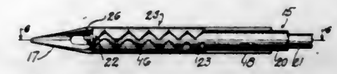
1. In a variable resistance unit, in combination, a base member, a resistance element mounted on said base member, a contactor device adapted to be moved to vary the effective resistance of said element, and a metallic cup-shaped cover secured to said base member to overlie said resistance element and contactor device, the side walls of the cup-shaped cover extending beyond the edges of the major portion of the base member, the cover being spaced relative to the base member by an upstanding cylindrical band of insulation disposed adjacent inner side wall portions of said cover.

2,137,813
SOAKING-PIT TROLLEY
Christopher Henry Schramm, Muskegon, Mich., assignor, by mesne assignments, to Manning, Maxwell & Moore, Inc., New York, N. Y., a corporation of New Jersey
Application September 28, 1935, Serial No. 42,645
1 Claim. (Cl. 268—10)



The combination with a soaking pit of the floor-installed type having a cover adapted to rest upon the floor, of rails located on the floor at opposite sides of the pit, a trolley mounted on said rails and adapted to be traversed from a position directly over the pit to a position at one side thereof, said trolley comprising two girders disposed parallel to respective ones of said rails, roller means on said girders engaging the rails to support the trolley thereon, and two transverse beams connecting the ends of said girders to form a rigid rectangular frame, means on the trolley for raising and lowering the pit cover comprising a pair of bell-crank levers pivotally supported on each of said beams and removably connected with the pit cover, means connecting each pair of bell cranks together for simultaneous operation, a shaft extending across the trolley and journaled on said beams, crank arms mounted on said shaft adjacent said beams, each crank arm being connected with one of said bell crank levers whereby to rock the levers and thereby raise and lower the pit cover in response to the rotation of the shaft, and means including a motor mounted on one of said girders for rotating said shaft.

2,137,814
FABRIC COVERED ELASTIC ATTACHING DEVICE
Hyman Skora, Brooklyn, N. Y., assignor of one-third to S. & E. Novelty Co. Inc., New York, N. Y., a corporation of New York, one-third to L. & L. Linings Inc., New York, N. Y., a corporation of New York, and one-third to Ellerstein-Gerber Corp., New York, N. Y., a corporation of New York
Application June 29, 1937, Serial No. 151,061
3 Claims. (Cl. 24—143)

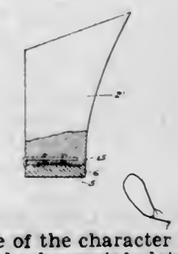


1. A device including a one piece sheet metal tab adapted to be clamped on an end of an elastic fabric covered strand, including a tubular body, a single wall projecting point portion at one end of said body integral therewith, said tubular body being longitudinally split to provide confronting edges, at least one side of said tab being tapered at said split so as to provide a tab body of maximum peripheral extent adjacent to the point portion, whereby the tapered edge portion is bent into the said strand in advance of the other edge portions to avoid elongation of the elastic strand toward the point portion.

2,137,815
ALKYL SUBSTITUTED PYROGALLOL
Frits E. Stockelbach, Montclair, N. J.
No Drawing. Application July 2, 1937, Serial No. 151,667
3 Claims. (Cl. 260—625)

1. The process of producing mono tertiary butyl pyrogallol which comprises reacting an excess of pyrogallol with tertiary butyl alcohol and fused zinc chloride as the condensing agent, the tertiary butyl alcohol and the zinc chloride being used in substantially equal quantities.

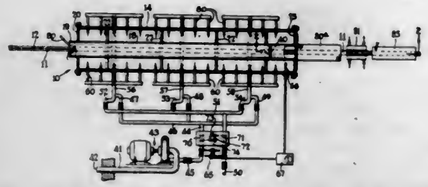
2,137,816
SHOE HEEL
Peter B. Sullivan, Randolph, Mass.
Application July 13, 1937, Serial No. 153,315
8 Claims. (Cl. 12—147)



1. In an article of the character described, the combination of a heel, a metal plate on the lower face of said heel, said plate having a slot therein, the plate being set into said face substantially flush therewith and having its edge embedded in the material of the heel and thereby secured to the heel, a top lift having a metal plate secured in its upper surface and provided with a lug extending into said slot, and a pin extending from the breast portion of the heel horizontally

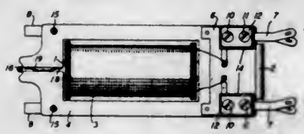
above said plate and through a hole in said lug and thereby releasably locking said top lift on the heel.

2,137,817
PROCESS OF COLORING METAL
Frank Arthur Tuerff, Newark, N. J., assignor to Windsor Mfg. Co., Orange, N. J., a corporation of New Jersey
Application March 30, 1934, Serial No. 718,117
Renewed September 7, 1937
11 Claims. (Cl. 148—16)



10. A process of producing a blue color on strip steel consisting in passing the strip through an elongated chamber, heating the strip within the chamber to a temperature above the critical point of the steel and passing into the chamber and to the strip after the same has been heated to a temperature above critical point, products of combustion resulting from the burning of jets of a gaseous mixture comprising air and carbon monoxide, with the air constituent of the mixture being supplied in excess of the amount burned in the jet.

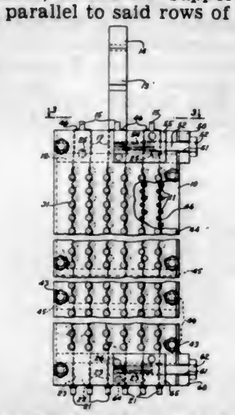
2,137,818
RELAY
Harold N. Wagar, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 22, 1937, Serial No. 165,020
6 Claims. (Cl. 175—336)



1. In an electromagnetic structure, a heel-piece, a core secured to said heel-piece extending forwardly therefrom and having a pole face on its forward end, an armature having two side arms, said arms being hinged at one end to said heel-piece and having their free ends extending in juxtaposition over the pole face of said core, and friction means inserted between adjacent edges of the juxtaposed ends of said arms.

2,137,819
PLATING APPARATUS
Arthur M. Wagner, Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 30, 1935, Serial No. 47,348
12 Claims. (Cl. 204—5)

11. In a plating rack, a member having a row of openings to receive articles to be plated, a plate having a row of openings similar to the openings in said member, a wire fixed at its ends and strung substantially parallel to the row of openings in the plate and the row of openings in the member, means for supporting said wire in position parallel to said rows of openings, and

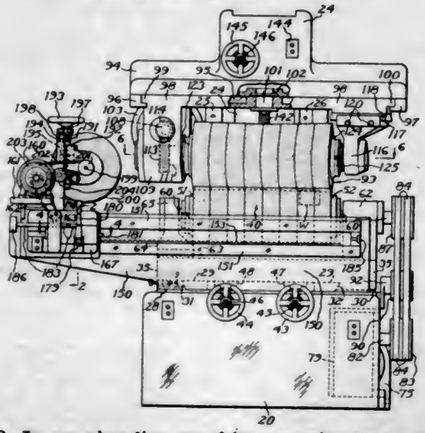


means for causing said wire to be pressed laterally against the articles.

2,137,820
PURIFICATION OF MERCAPTO ARYL THIAZOLES
Ira Williams and Bernard M. Sturgis, Woodstown, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington Del., a corporation of Delaware
No Drawing. Application July 8, 1937, Serial No. 152,538
14 Claims. (Cl. 260—306)

1. The method of purifying crude 2-mercapto arylene thiazoles of the benzene and naphthalene series containing tarry materials which comprises treating the crude 2-mercapto arylene thiazole with a hot aqueous solution containing from about 1 to about 1.5 equivalents of an alkali metal salt selected from the bicarbonates and the carbonates until substantially all of the mercapto arylene thiazole is dissolved, and separating the undissolved material from the solution.

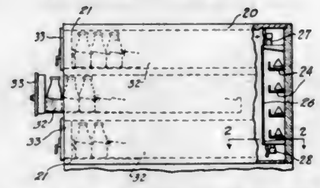
2,137,821
GRINDING MACHINE
Howard W. Dunbar, Worcester, and Herbert S. Indge, Westboro, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application May 12, 1937, Serial No. 142,082
2 Claims. (Cl. 51—103)



2. In an abrading machine, a pair of spindles, a pair of journals for each spindle holding them

in parallel relation, means to move one pair of journals toward and from the other pair of journals without destroying the parallelism, a slideway in parallel to the spindles, a slide on the slideway, a spindle on the slide perpendicular to the slideway and parallel to the plane of the first named spindles, a toric wheel on the spindle on the slide, means to revolve the toric wheel, and means to move the slide on the slideway whereby the toric wheel will true wheels mounted on the first mentioned pair of spindles to form a work rotating and guiding support.

2,137,822
STORAGE AND DELIVERY APPARATUS
William E. Gilmore, Detroit, Mich., assignor of one-third to Scott H. Lilly, Toledo, Ohio
Application November 11, 1936, Serial No. 110,381
19 Claims. (Cl. 312—71)



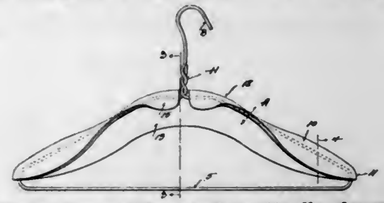
1. In storage and delivery apparatus, a compartment having a discharge opening in one side thereof, a drawer, means within the compartment for supporting the drawer in line with the opening, a discharge door fitting into and around said opening, there being a loading opening in the side of the compartment opposite said discharge opening and through which said drawer may be inserted into the comparament, a door normally closing said loading opening, and means for releasably attaching the discharge door to the drawer.

2,137,823
PURIFYING RAW WOOL
Joseph Nuesslein and Jürgen von Klenck, Frankfort-on-the-Main, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application November 18, 1936, Serial No. 111,560. In Germany November 22, 1935
9 Claims. (Cl. 8—139)

1. The process of purifying raw wool which comprises treating the wool with a compound able to dissolve wool fat selected from the group consisting of hydrocarbons and halogenated hydrocarbons in the liquid state, removing the excess of the organic body, cooling the wool until the organic body solidifies and then detaching by a mechanical treatment the solidified organic compound from the wool simultaneously with the greater part of the impurities contained in the wool.

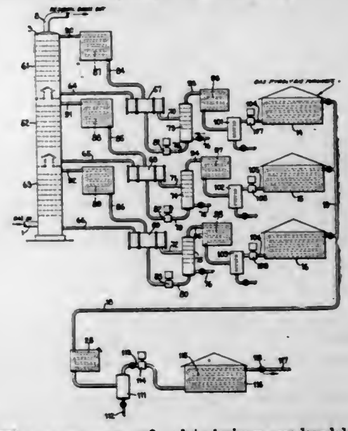
2,137,824
GARMENT HANGER
Walter Rader, Milwaukee, Wis.; Myrtle Rader administratrix of said Walter Rader, deceased
Application May 20, 1936, Serial No. 80,795
1 Claim. (Cl. 223—98)

A garment form adapted to be applied to a coat hanger including upwardly converging arms, and an upwardly extending shanked hook centrally of said arms, said forms comprising a one-piece molded hollow body adapted to be detachably fitted over said hanger, said body comprising upwardly converging shoulder supporting arms and a connecting collar supporting portion, said collar supporting portion being formed to provide a centrally disposed notch at one edge thereof to receive the shank of said hook, said notch being of a size to surround said shank



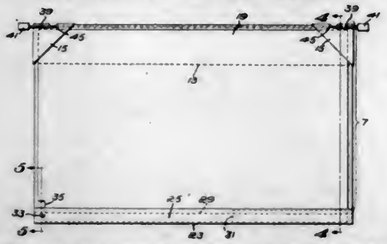
closely on three sides, and vertically depending wings on said edge of said collar portion on either side of said notch, said wings being adapted to overlie said hanger arms in proximity thereto to maintain said shank against the back of said notch and prevent accidental displacement of said form from said hanger.

2,137,825
TREATMENT OF HYDROCARBONS
Pike H. Sullivan, New Rochelle, N. Y., assignor to Gasoline Products Company, Inc., Newark, N. J., a corporation of Delaware
Application November 18, 1933, Serial No. 698,569
10 Claims. (Cl. 196—9)



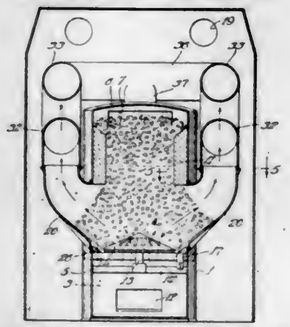
8. The process of obtaining valuable liquid hydrocarbons from a hydrocarbon mixture containing gaseous paraffins, which comprises fractionating said mixture to separate individual gaseous paraffins having more than one carbon atom in relatively pure states, separately and individually subjecting said gaseous paraffins to conditions of temperature and pressure adapted to produce optimum quantities of olefins together with normally liquid hydrocarbons therefrom, combining olefinic gases and normally liquid hydrocarbons resulting therefrom, separating said normally liquid hydrocarbons from said olefinic gases, subjecting other hydrocarbon fluid to a conversion operation, admixing products of conversion therefrom with said separated olefinic gases, subjecting the olefinic gases and admixed hydrocarbon fluid to conditions of high pressure and elevated temperature to effect polymerization of olefins to higher boiling products, and fractionating the resultant products to recover normally liquid hydrocarbons therefrom.

2,137,826
CARD INDEX
Julian C. Williams, Ozone Park, N. Y., assignor to Art Metal Construction Company, Jamestown, N. Y., a corporation of Massachusetts
Application December 10, 1937, Serial No. 179,141
5 Claims. (Cl. 129—16.7)



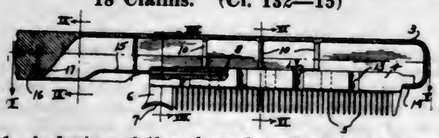
1. A card holder comprising a sheet folded to present a flap overlying one face thereof, and two tabs initially projecting from opposite ends of the flap and from opposite edges of the sheet and folded to present two pairs of corner pockets, one pair on one face of the sheet.

2,137,827
FURNACE CONSTRUCTION
Paul Wingert, Toledo, Ohio
Application April 16, 1937, Serial No. 137,235
18 Claims. (Cl. 126—99)



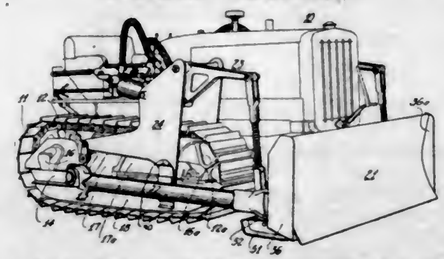
1. A furnace comprising a fuel bowl, a grate at the bottom of said fuel bowl, a plurality of combustion tubes opening into said fuel bowl and extending upwardly and outwardly from adjacent the level of said grate, each of said combustion tubes having a mouth arranged to receive fuel from said fuel bowl, spaced ribs in the mouth of each of said combustion tubes extending on the lower surface thereof toward said grate, and manifold means to receive products of combustion from said combustion tubes.

2,137,828
CURLING DEVICE
Leonard George Arpin and Andrew J. Bedwell, Fort Lauderdale, Fla.
Application June 27, 1938, Serial No. 215,976
18 Claims. (Cl. 132—15)



1. A device of the class described including an elongated member generally of oblong rectangular form in end elevation and comprising a handle portion and a body portion, said body portion being formed with an elongated slot opening through one edge margin, a comb slidably mounted in said slot, spring means acting against said comb to urge it outwardly to projected position, said comb and slot walls having cooperating guide means, and said comb being endwise shifted when in projected position to effect misalignment of the guide means to lock said comb in said outward position.

2,137,829
EARTH MOVING DEVICE
Ellsworth W. Austin, Cedar Rapids, Iowa, assignor to La Plant-Choate Manufacturing Company, Incorporated, Cedar Rapids, Iowa, a corporation of Delaware
Application September 1, 1934, Serial No. 742,368
12 Claims. (Cl. 37—144)



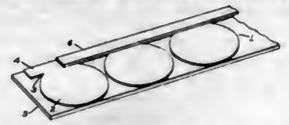
1. In an earth moving device including a tractor having sub-frames one on either side thereof, a plow blade, means for pivotally engaging the plow blade with the sub-frames, support means engaged to the sub-frames and projecting one on each side of each running gear, cradle means for spacing apart the support means, the said cradle means being pivotally mounted in the support means, and a hydraulic ram engaged to the cradle, and means for operatively connecting the shaft of the ram to the plow blade.

2,137,830
DYE STAIN
Julius F. T. Berliner, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 10, 1935, Serial No. 30,770
9 Claims. (Cl. 134—48)

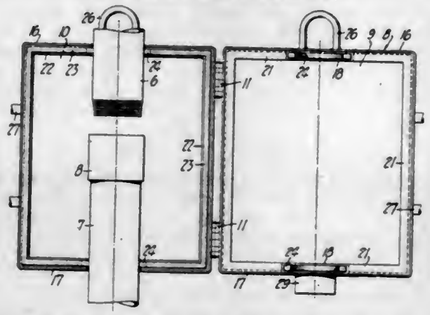
6. A dye stain composition comprising a solution, substantially saturated with a staining dye, of methanol and a relatively small quantity, not less than 1.5 grams of urea and 2.8 grams of formamide and 0.5 gram of ammonium formate per 100 cubic centimeters of methanol, and at least about 0.01 gram of alkali nitrite per 100 cubic centimeters of dye stain solution.

2,137,831
METHOD OF PRODUCING DRY PLATE ELEMENTS FOR SELENIUM RECTIFIERS AND THE LIKE
Fritz Brunke, Berlin-Steglitz, Germany, assignor to General Electric Company, a corporation of New York
Application May 26, 1937, Serial No. 144,966
In Germany June 13, 1936
7 Claims. (Cl. 136—89)

1. The method of producing dry plate elements by the continuous vaporization process wherein a moving band of carrier electrode material is exposed to the vapor of a semi-conductor material to form a coating on said band, and wherein individual dry plate elements are subsequently separated from said coated band, which includes protecting from said vapor the portions of said band which are to be cut through when said elements are subsequently separated from said band.



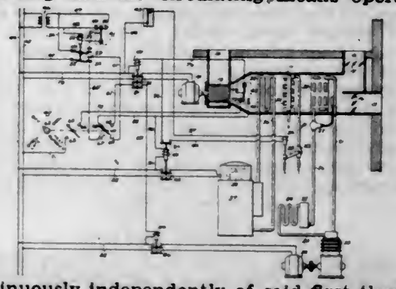
2,137,832
OIL SAVER
Walter J. Cordes, San Francisco, Calif.
Application October 1, 1937, Serial No. 166,807
2 Claims. (Cl. 166—16)



1. A guard for use on adjacent lengths of pipe connected by a coupling, said guard comprising a casing having a first and a second section, a hinge joining said sections along a side thereof whereby said sections can be moved away from and toward each other to permit release or insertion of connected pipe lengths, said casing having opposite ends therein and having a transverse cross sectional area materially larger than that of said pipe, each end having a portion carried by each section and apertured to admit a pipe when said casing sections are moved apart, means for removing oil from said casing including a drain from said casing and a well formed in the bottom end of said casing to collect oil for said drain, and packing means carried by said casing sections to provide a substantially fluid tight joint between said sections and about the pipes when said sections are moved toward each other with coupled pipe in said end apertures.

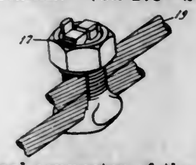
2,137,833
SELECTIVE CONTROL FOR AIR CONDITIONING APPARATUS
Harry R. Crago, Caldwell, N. J., assignor to General Electric Company, a corporation of New York
Application June 6, 1936, Serial No. 83,921
9 Claims. (Cl. 236—44)

5. In an air conditioning system, the combination including heating means, cooling means and air circulating means, means for controlling operation of said air circulating means and for selecting either said heating or cooling means for joint operation with said air circulating means, thermal responsive means connected under the control of said selective means for controlling the operation of the selected means, and means including a thermal responsive means located adjacent said heating means and connected under the control of said selective means for rendering said air circulating means operative



continuously independently of said first thermal responsive means when said cooling means is selected for operation and under the joint control of said thermal responsive means when said heating means is selected for operation.

2,137,834
SERVICE CONNECTER
Abraham Bernard Dibner, Peekskill, N. Y., assignor to Burndy Engineering Company, Inc., a corporation of New York
Application January 16, 1936, Serial No. 59,362
5 Claims. (Cl. 173—263)



1. An electrical connecter of the split bolt type having a forged split bolt made of a copper alloy with an electrical conductivity substantially less than that of pure copper, a tensile strength of over 45,000 pounds per square inch, and having a yield point in excess of 20,000 pounds per square inch.

2,137,835
FINGER RING
Alfred Eddy Dixon, Providence, R. I., assignor to Ostby and Barton Company, a corporation of Rhode Island
Application September 9, 1937, Serial No. 162,965
4 Claims. (Cl. 63—15)



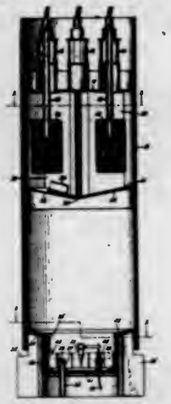
3. In a finger ring, a top portion with an integral shank extending therefrom shaped to provide the main annular finger encircling portion, said top portion being enlarged to form a relatively wide base member with a central opening therein having a marginal wall integral with said base member and dished outwardly therefrom to provide an upstanding continuous wall surrounding the opening, the side faces of said wall being convex and curved inwardly with the forward edge portions thereof providing a seat for a gem, projections integral with said enlarged top por-

tion at the edges thereof to provide fingers disposed at opposite sides of said opening in spaced relation to said wall, the tips of said fingers being adapted to be bent over the edges of a gem to engage its top faces for holding the gem in place in its setting when seated upon said wall, and individual side trimmings at the sides of said completed ring extending substantially semi-circumferentially thereof and attached to said shanks below the center of the ring, said trimmings being spaced from said top and the shanks to provide a hollow structure, and projections at the upper end of said trimmings integral therewith to extend over an edge of the gem to engage the same.

2,137,836
DISCHARGE DEVICE

Thomas A. Elder, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application September 16, 1937, Serial No. 164,177
4 Claims. (Cl. 250—27.5)



1. A discharge device comprising an enclosing envelope consisting predominantly of metal, anode structure within the envelope, means electrically continuous with the main body of the envelope providing a metallic receptacle for cathode material, a mercury pool of relatively extensive surface area contained in the receptacle and in electrical contact with the lateral walls thereof, a metallic cathode-spot-anchoring means effective to prevent a cathode spot from leaving the mercury pool surface while retaining it at all times at a portion of such surface which is closely adjacent to the lateral wall of the receptacle, and a vaned heat radiating structure in direct heat-exchanging relation with the outer lateral wall surface of the receptacle, whereby a short heat transfer path of low thermal resistance is maintained from the cathode spot to the said radiating structure.

2,137,837
PICTURE HOOK

Henry Freudenberger, Philadelphia, Pa.

Application May 25, 1937, Serial No. 144,576
2 Claims. (Cl. 248—32)

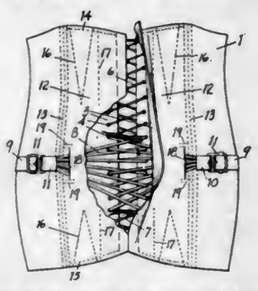


2. A hook device of the character described comprising a web having a long and short edge connected by a curled over extremity defining an inclined passage with respect to the side edges of the web, a body portion disposed in a plane substantially perpendicular to said web and connected to said web by a twisted portion, and ears at each side of said body portion defining notches, said ears being bent out of the plane of said body portion in a direction towards the longer edge of said web.

2,137,838
HEALTH BELT OR CORSET

William R. Greenfield, Jackson, Mich., assignor to Kellogg Corset Company, Jackson, Mich.

Application May 14, 1938, Serial No. 207,934
6 Claims. (Cl. 2—39)

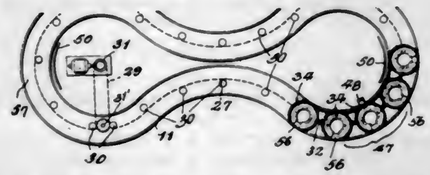


1. A health belt or corset comprising a body including a front section, side sections, and back sections, the back sections being provided with lacing eyelets on their adjacent edges, a back lacing comprising independently adjustable top and bottom laces, and a plurality of intermediate draw laces rove through intermediate eyelets and having converging ends connected to adjustable side straps disposed over the side sections and operatively associated with the front section, and shield sections of substantial width secured at their outer vertical edges and at their upper and lower edges to the back sections, their inner edges being free and in overlapping relation to the lacing and to each other, said shield sections having slits adjacent the points of attachment of their outer vertical edges to the body of the corset and through which said draw laces and/or adjusting straps may freely slide.

2,137,839
AMUSEMENT DEVICE

Horace W. Hanna, New York, N. Y., assignor of one-half to Kathie Malik, New York, N. Y.

Application December 13, 1937, Serial No. 179,564
3 Claims. (Cl. 104—75)

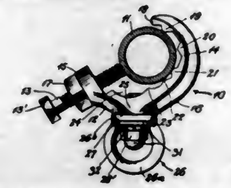


1. In a device of the character described, a track, a train mounted to travel thereon, means to move the train on the track, said train comprising a plurality of cars each consisting of a truck on the track and a body mounted revolubly to rotate on a vertical axis and to rock transversely, a motor mounted on one of the trucks, and a tortuous chain operative connection between the motor and the cars, whereby the bodies of adjacent cars are rotated in opposite directions.

2,137,840
GROUND CLAMP

Neil G. Hayes, Bridgeport, Conn.

Application February 8, 1937, Serial No. 124,590
2 Claims. (Cl. 247—1)

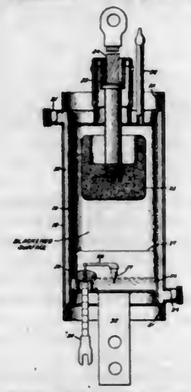


2. A ground fitting comprising a pipe-engaging fixture of substantially C-shape and having a pipe-engaging surface along the inner face of the curved end and one side thereof, said surface comprising pipe-engaging projections irregularly spaced along the length of said surface; a projection intermediate two other projections having its top located to lie outside a circle defined by the top of the two projections last-mentioned when said circle is so drawn as to have the projections last-named exterior thereto; and means for securing a grounding conductor or conduit thereto.

2,137,841
ELECTRIC DISCHARGE DEVICE

John H. Hutchings, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application June 23, 1936, Serial No. 86,800
3 Claims. (Cl. 250—27.5)



1. The method of fabricating an electrical device of the type comprising a metal envelope enclosing electrode parts which includes combining the envelope and electrode parts in their final assembly, heating a substantial portion of the wall of said envelope to an oxidizing temperature before exhausting the same, continuing said heating long enough to oxidize the interior surface of said wall portion but not sufficiently long to produce oxidation of said electrode parts and thereafter exhausting and sealing said envelope.

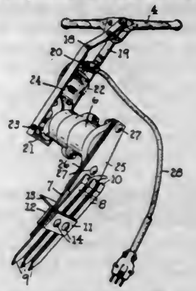
2,137,842
BALLAST WORKING IMPLEMENT

Corwill Jackson, Ludington, Mich.

Application October 28, 1935, Serial No. 46,988
5 Claims. (Cl. 104—13)

1. A ballast working tool comprising a shank, a plurality of reversible and adjustable blades mounted thereon, and means for clamping said blades to said shank comprising an angled pusher element extending upwardly from said shank.

2. A ballast working tool comprising a shank, a plurality of adjustable blades mounted thereon,

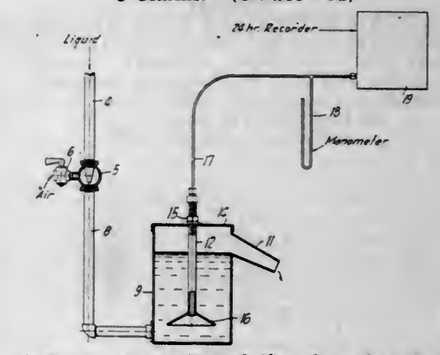


and means for clamping said blades to said shank comprising an angled pusher element extending upwardly from said shank.

2,137,843
APPARATUS FOR DETERMINING SPECIFIC GRAVITY

John J. Jennings, Bakersfield, Calif.

Application June 22, 1937, Serial No. 149,658
3 Claims. (Cl. 265—44)



1. In an apparatus of the class described, a vessel providing a well for a liquid, a gas chamber therein open adjacent the bottom thereof to permit gas in said chamber to contact liquid in said well, means for maintaining a predetermined heighth of liquid column above said chamber opening, means for releasing gas into said vessel below the liquid level therein and below the opening in said gas chamber, said chamber collecting gas separating out of said liquid below said open chamber bottom, and means for measuring the gas pressure in said chamber.

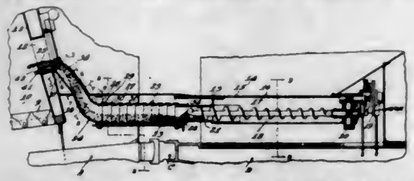
2,137,844
BLAST FEED STOKER

Paul A. Ketchpel, West Englewood, N. J., assignor, by mesne assignments, to The Standard Stoker Company, Inc., (1922), a corporation of Delaware

Application April 22, 1933, Serial No. 667,356
Renewed April 20, 1938
5 Claims. (Cl. 110—104)

4. In combination with a firebox having a firing opening in an upright wall thereof, a source of fuel supply, a fuel conduit extending from such source to said firing opening, said conduit including a discharge section in communication with said firing opening, means for generating a fluid stream in said conduit so directed as to propel the fuel through said conduit and said firing opening into the firebox and means for

introducing fuel into the path of said fluid stream, said fluid stream generating means constituting the sole means for projecting the fuel into the firebox, said discharge section having its opposite ends offset with respect to each other and opening in opposed directions, the receiving end portion of said discharge section being



formed as a curved elbow and the discharge end portion of said discharge section being formed as a curved elbow, the outer portion of the curve of the elbow at the discharge end of said discharge section being straight in transverse section, said elbows being so arranged that the tangent to the outer portion of the curve of said first-named elbow at its forward end intersects the outer portion of the curve of said second-named elbow.

2,137,845

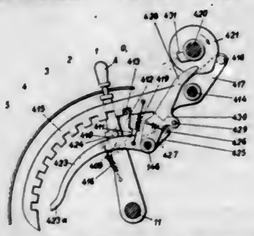
BLOCKING DEVICE FOR CASH REGISTERS, BOOKKEEPING MACHINES, OR THE LIKE

Albert Klaar, Bielefeld, Germany, assignor to Anker Werke A.-G., Bielefeld, Germany

Application January 30, 1936, Serial No. 61,586

In Germany February 20, 1935

14 Claims. (Cl. 235—130)



2. A machine of the class described, comprising a plurality of totalizers; means for taking totals from said totalizers; setting means for selecting said totalizers for engagement with said total taking means, comprising a manipulative element adjustable to different positions corresponding to the respective totalizers; means blocking movement of said element beyond the distance between two adjacent positions; and means for advancing the field of control of said blocking means at each machine operation.

2,137,846

MEASURING INSTRUMENT FOR ALTERNATING CURRENT CIRCUITS

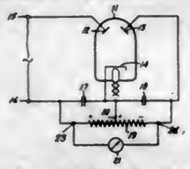
Fritz Klutke, Berlin-Johannisthal, Germany, assignor to General Electric Company, a corporation of New York

Application February 25, 1937, Serial No. 127,728

In Germany March 24, 1936

5 Claims. (Cl. 171—95)

5. Alternating-current responsive apparatus comprising in combination, apparatus input terminals, a diode element having an anode and a cathode and serving as a rectifier for alternating-current, a differential direct-current measuring system having two pairs of input terminals, said apparatus input terminals being connected in series with said diode element and one of said pairs of measuring system input terminals, a second diode element having an anode



and cathode and connected to the remaining pair of measuring system input terminals in opposing relationship to the first mentioned diode element.

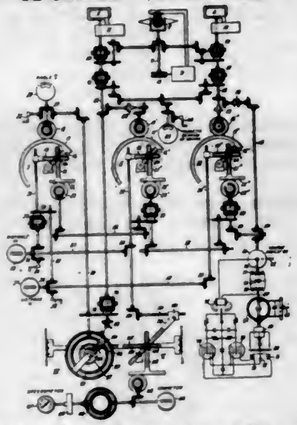
2,137,847

STEERING MOVING CRAFT

Earl E. Libman, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application May 16, 1936, Serial No. 80,100

11 Claims. (Cl. 250—11)



1. A system for steering a moving craft on a straight course comprising means for producing radiant energy at a plurality of points positioned laterally of said course, the angle between the course and the line connecting the points and the distances of the points from the course measured on the line being known, means on said craft for receiving said energy including a plurality of receptors each arranged to be maintained oriented with respect to one of said points, means for setting into said system quantities corresponding with said known angle and distances and means operative in response to said quantities and to the angles between the course and said receptors to indicate whether or not the craft is on the course.

2,137,848

AUTOMOBILE CHASSIS

Colin Macbeth, Birmingham, England

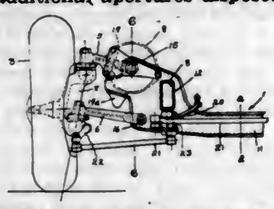
Application March 18, 1938, Serial No. 196,662

In Great Britain March 16, 1937

4 Claims. (Cl. 280—106.5)

1. In an automobile chassis having independent wheel suspension linkages pivotally mounted on a frame by means of pivot spindles, a frame comprising longitudinal side members, and front and rear transverse members of box-like section, construction of sheet metal pressings, and having deepened ends in which are formed longitudinally disposed apertures for accommodating the

pivot spindles of the wheel suspension linkages and with additional apertures disposed inwardly



of said spindle apertures for accommodating the said longitudinal members.

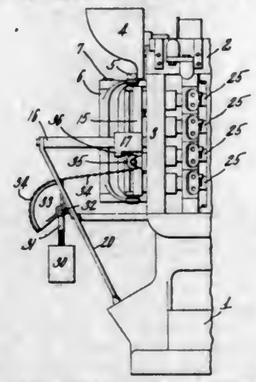
2,137,849

WORK FEEDING MECHANISM

Carroll E. Miller, Windsor, Vt., assignor to Cone Automatic Machine Company Inc., Windsor, Vt., a corporation of Vermont

Application May 22, 1937, Serial No. 144,240

5 Claims. (Cl. 29—62)



1. In combination, a hollow work spindle, reciprocable means for feeding work step by step through said spindle, means applying a force as the work feeding means moves in feeding direction progressively decreasing to a value so low that the work reaches its fully fed position without substantial shock, and means for retracting said feeding means.

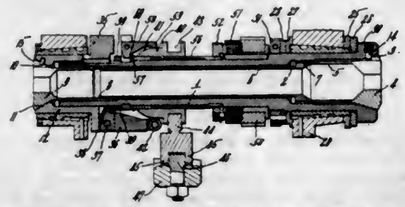
2,137,850

SPINDLE FOR AUTOMATIC LATHES

Carroll E. Miller, Windsor, Vt., assignor to Cone Automatic Machine Company Inc., Windsor, Vt., a corporation of Vermont

Application May 22, 1937, Serial No. 144,241

5 Claims. (Cl. 82—30)



1. In combination, a rotary spindle, a pair of spaced work-gripping means carried by said spindle, spindle-rotating means located between said work-gripping means, a clutch interposed between said spindle and said rotating means, mechanism for actuating said gripping means to grip or release the work, and connections from said mechanism for controlling said clutch to hold said clutch closed when work is gripped and to hold said clutch released when said gripping means are open.

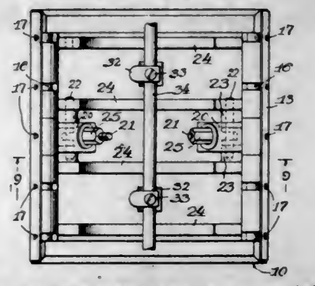
2,137,851

PRINTING MACHINE

Christian B. Nelson and Bertil Lindell, Chicago, Ill., assignors to Hooven Automatic Typewriter Company, Hamilton, Ohio, a corporation of New York

Application February 23, 1937, Serial No. 127,102

4 Claims. (Cl. 101—415.1)



1. In a printing machine, a segmental rotary drum having an intermediate semi-cylindrical surface, longitudinal end portions disposed inwardly with respect to said surface, said end portions each having a longitudinal recess therein and transverse slots communicating with said recess, an oscillatable shaft in each of said recesses, plate engaging studs carried by said shaft and movable within said slots, said studs having plate engaging ends projecting beyond the surface of the respective end portions but terminating inwardly of the cylindrical surface of the drum, and means comprising swingable members accessible from the interior of the drum for effecting the adjustment of said shafts for swinging the studs thereof in directions for tightening the plate upon the cylindrical surface of the drum.

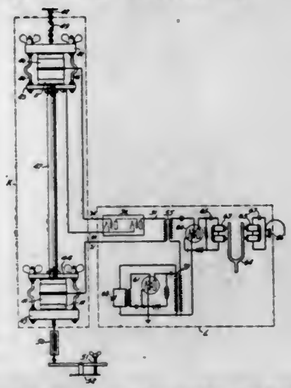
2,137,852

PIEZOELECTRIC OSCILLATING AND STRESS-MEASURING MEANS

Alexander M. Nicolson, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application January 8, 1924, Serial No. 685,010

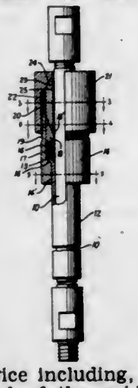
43 Claims. (Cl. 250—36)



1. In combination, an amplifier having an energy input path and an energy output path, a

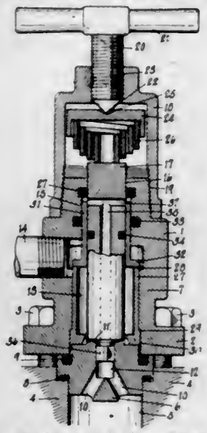
piezo-electric body associated with one of said paths, and a path for transferring energy between said body and the other of said first two paths, said third path comprising means of mechanical nature different from that of said body for mechanically transmitting energy between two points in said third path.

2,137,853
POLISH ROD
Jeddy D. Nixon, Houston, Tex., assignor, by mesne assignments, of fifty percent to Wilson Supply Company
Application December 12, 1936, Serial No. 115,494
6 Claims. (Cl. 255—28)



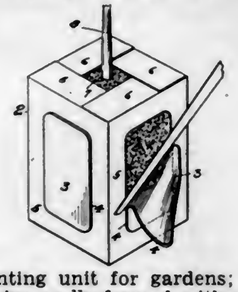
1. A polish device including, a guide sleeve, a socket on the end of the guide sleeve, a head rotatably connected to said socket, gripping means within said head for securing said device onto a polish rod, and packing means within said socket arranged to be deformed by said gripping means for forming a fluid-tight seal between said sleeve and polish rod.

2,137,854
APPARATUS FOR HOMOGENIZING LIQUIDS
Earl P. Ordway, Battle Creek, Mich., assignor to Union Steam Pump Company, Battle Creek, Mich.
Application September 4, 1937, Serial No. 164,090
4 Claims. (Cl. 99—265)



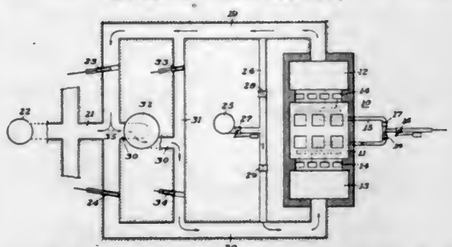
4. In an apparatus of the class described, the combination of a passage having an inlet and an outlet, a valve in said passage having a valve seat and a valve body and a spring to oppose the flow of fluid through the passage from the inlet, and means for adjusting the force of the spring, a second valve in said passage having a valve seat and a valve body having a hydraulic cylinder and piston for forcing said valve body of said second valve to its seat, said apparatus being formed with a passage leading from the inlet passage in advance of said first valve seat to said hydraulic cylinder, whereby the pressure of fluid flowing through said passage tends to urge said second valve body to its seat in opposition to the flow of fluid through said passage.

2,137,855
COLLAPSIBLE PLANT CONTAINER
Ralph B. Otwell, Pinckney, Mich.
Application February 23, 1938, Serial No. 191,927
3 Claims. (Cl. 47—37)



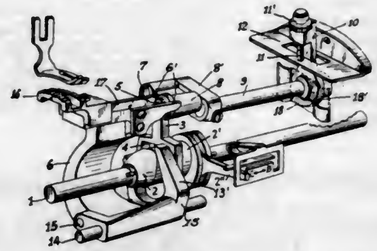
1. In a planting unit for gardens; a tubular container, having walls formed with a plurality of panels extending outwardly, and from the plane of the walls bounding said panels; and an outstanding rim portion integral with both the walls and panels, adapted to provide a construction whereby said panels may be readily sliced from the walls bounding said panel to permit the growth of plant roots into outer soil, without disturbing the soil housed in the unit, or injuring the roots of a tree or other plant bedded therein.

2,137,856
FURNACE
Orville D. Rice, Pittsburgh, Pa., assignor to Rust Furnace Company, Pittsburgh, Pa., a corporation of Delaware
Application December 17, 1937, Serial No. 180,336
2 Claims. (Cl. 263—15)



1. In a furnace, a combustion chamber, a regenerator on each side of said chamber, means for supplying fuel selectively to either side of said chamber, flues having one end connected together and the other extending to said regenerators and adapted to serve alternately as air-supply and waste-gas passages, means for selectively supplying air to said flues and means effective to divert waste gases from the connected ends of said flues to points intermediate the ends.

2,137,857
DEVICE FOR EFFECTING THE AUTOMATIC MOVEMENT OF THE MATERIAL IN SEWING MACHINES
Ramón Casas Robert, Barcelona, Spain
Application December 1, 1936, Serial No. 113,538
In Spain September 23, 1935
6 Claims. (Cl. 112—210)



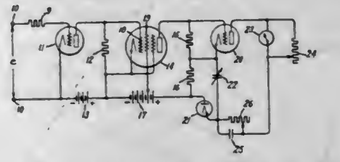
1. An automatic work-feed device for sewing machines, comprising a toothed feed head, a connecting rod at the one end of which the toothed feed head is mounted, laterally disposed guide surfaces provided on the said connecting rod adjacent to the toothed feed head, a second connecting rod the head of which fits slidably between the said guide surfaces, a rotatable driving shaft, a triangular eccentric mounted on the said shaft, a bell crank lever one arm of which is formed as a fork to engage the triangular eccentric and the second arm of which provides a pivotal axis for the first connecting rod, the disposition of the fulcrum of the bell crank lever and the triangular eccentric being such that during two non-consecutive quarters of a revolution of the eccentric the first connecting rod and with it the toothed feed head move up and down independently of the movement and of the position at any moment of the head of the second connecting rod which constrains the first connecting rod in respect of lateral movement, means for imparting to the second connecting rod from the driving shaft a reciprocating movement and means for determining the path of travel of the head of the second connecting rod in relation to the path of movement of the needle of the machine for the adjustment of the length of the stitch and the direction of the feed.

2,137,858
CABLE CLAMP
Gerhard P. Schwabacher, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application November 21, 1935, Serial No. 50,926
8 Claims. (Cl. 173—251)



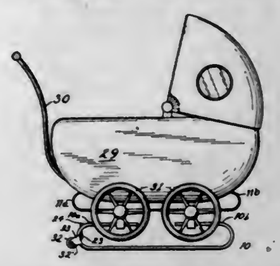
4. A cable gripping clamp including top, bottom and side members detachably secured together, means detachably securing an insulating clamping jaw to said top member, means detachably securing a cooperating insulating clamping jaw to said bottom member, said two mentioned means including openings in said top and bottom members and cooperating studs on said insulating clamping jaws, means for forcing said insulating clamping jaws into clamping position comprising lugs on said top and bottom members and cooperating cam surfaces on said side members, and means for anchoring said clamp to a supporting structure.

2,137,859
FREQUENCY METER
Robert D. Schwartz, Devon, and William West Moe and Lowell J. Hartley, Bridgeport, Conn., assignors to General Electric Company, a corporation of New York
Application September 29, 1937, Serial No. 166,362
4 Claims. (Cl. 172—245)



1. Frequency measuring apparatus comprising a condenser having a charging circuit, means responsive to the frequency to be measured for charging the condenser to a constant voltage once per cycle of such frequency, a discharge circuit for said condenser including an ammeter, valve means in the charging and discharging circuits of said condenser for preventing the charging current from flowing in the ammeter circuit and causing the discharge current to flow in the ammeter circuit, and a bucking condenser shunted by a resistance included in the discharge circuit for reducing the value of the discharge current impulses through the ammeter circuit as their number per unit of time increases with the frequency, whereby the deflection of the ammeter increases with frequency, but tends to approach a constant maximum deflection at very high frequencies.

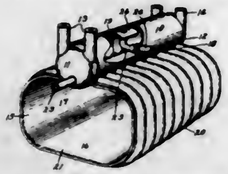
2,137,860
COLLAPSIBLE VEHICLE RUNNER
Frank Stedronsky, Cicero, Ill.
Application April 3, 1937, Serial No. 134,800
9 Claims. (Cl. 280—8)



1. In a device of the class described, a pair of spaced apart runners having their opposite ends bent backwardly and over the main portion of said runners; means for mounting said runners for pivotal movement transversely of said vehicle comprising a plurality of hinge elements, each of said hinge elements including upper and lower cooperating sections, a pivot connecting said sections together, a spring on said pivot having its projecting opposite ends engaging said upper and

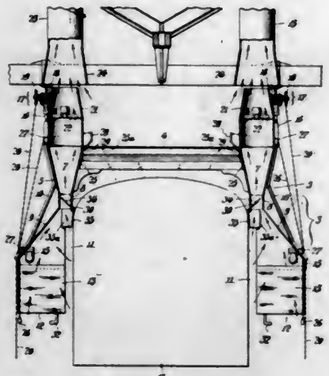
lower sections and normally holding the same in position to extend said runners horizontally, each of said runners being releasably secured to the lower sections of a pair of said hinge elements, the upper sections of said hinge elements being securable to vehicle axles, the pivotal movement of said runners permitting elevation of said runners into horizontal non-operating position, and adjustable screws threaded in said lower block sections for engaging said runners respectively, and releasable means for normally holding said block sections together.

2,137,861
REFRIGERATOR EVAPORATOR AND METHOD OF MAKING SAME
Christian Steenstrup, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 28, 1929, Serial No. 389,050
20 Claims. (Cl. 62—126)



2. An evaporator for refrigerating machines including a curved corrugated plate and another curved plate secured thereto to form passages for the flow of refrigerant between said plates, the opposite ends of both of said plates being formed and secured together at the ends of said corrugations to constitute a header.

2,137,862
FUME EXHAUSTING APPARATUS
Carleton K. Steins, Wilmington, Del.
Application January 28, 1937, Serial No. 122,719
16 Claims. (Cl. 91—60)

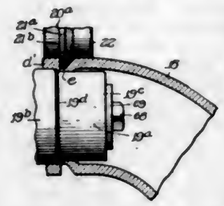


6. Fume-exhausting apparatus comprising a hood with a portion extending crosswise of a car within a shed, communicating vertical portions extending downward of the sides of the car, and exhaust outlets at the tops of said vertical portions; means whereby the hood is supported with capacity for being bodily shifted to different positions along the car; and a double series of outlets in the roof of the shed with which the exhaust outlets of the hood are selectively registerable.

2,137,863
DEOXIDIZING ALLOY AND METHOD
Jerome Strauss, Pittsburgh, Pa., and George L. Norris, Scarsdale, N. Y., assignors to Vanadium Corporation of America, Bridgeville, Pa., a corporation of Delaware
No Drawing. Application November 2, 1937, Serial No. 172,348
8 Claims. (Cl. 75—58)

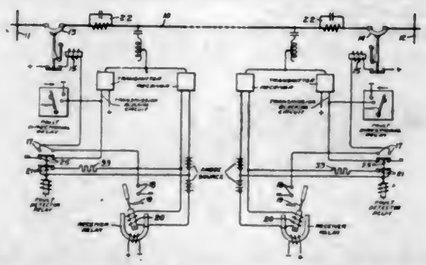
1. The process of deoxidizing steels and irons which comprises adding to the molten metal an alloy containing titanium about 4 to 20 per cent, aluminum about 8 to 30 per cent, silicon about 10 to 45 per cent, and carbon not over about 0.4 per cent, the balance being principally iron and manganese.

2,137,864
METHOD OF MAKING PIPE FITTINGS
James Hall Taylor, Oak Park, Ill.
Application September 28, 1935, Serial No. 42,607
4 Claims. (Cl. 29—157)



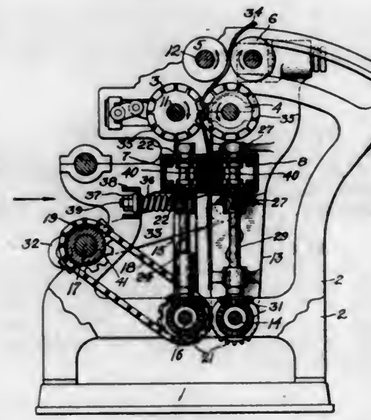
1. In the manufacture of pipe fittings, the method which comprises holding an article constituting a partially formed pipe fitting while being operated upon, rolling an outwardly widening groove in an end portion thereof against an interiorly disposed shouldered rigid mandrel confined against radial movement and conforming in diameter to the desired interior diameter of said end portion of said fitting, whereby the corresponding end of the remaining portion of the article is beveled and the portion at the bottom of the groove is offset inwardly, and removing the end of the article beyond said inward offset.

2,137,865
PROTECTIVE ARRANGEMENT
Oliver C. Traver, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York
Application May 22, 1936, Serial No. 81,283
22 Claims. (Cl. 175—294)



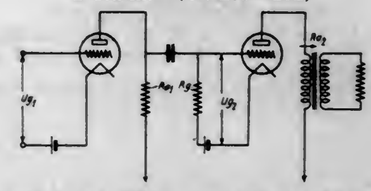
1. A protective arrangement for an electric power circuit including circuit interrupting means at one end of a section of the power circuit, a control circuit for effecting the opening of said circuit interrupting means, means for effecting the energization of said control circuit including a fault-responsive relay connected to be energized from the power circuit, means biased under normal conditions of the power circuit to prevent the energization of said control circuit, means tending to remove said bias on the occurrence of a fault on the power circuit, and means for maintaining said bias if the fault is outside of said circuit section including an oscillation transmitter at the other end of said circuit section having a master oscillator electric discharge valve, and means for applying a positive potential to the anode of said valve only on the occurrence of a fault, and a receiver at said one end tuned to the frequency of said transmitter.

2,137,866
SKIN, HIDE, AND LEATHER WORKING MACHINE
Frank Wayland, Salem, Mass.
Application October 20, 1936, Serial No. 106,505
2 Claims. (Cl. 149—16)



1. In a machine for working leather and the like, in combination, a main frame; a supplemental frame pivotally supported by said main frame; a work roll rotatably supported by said supplemental frame and provided exteriorly with right and left hand spiral blades extending longitudinally thereof; a complemental work roll journaled on said main frame and provided exteriorly with longitudinal right and left hand spiral blades adapted to overlap and intermesh with the blades of said first-mentioned work roll; a feed roll rotatably mounted upon said pivoted supplemental frame above said work rolls; a complemental feed roll rotatably supported by said main frame above said work rolls and cooperating with said first-mentioned feed roll to pull the leather or the like upwardly between said work rolls while the latter are rotated in a direction opposed to the direction of movement of the leather or the like so as to stretch and soften the latter, and two mechanisms disposed below said work rolls for simultaneously engaging the opposite sides of the leather or the like flatwise thereby to yieldingly oppose the movement thereof upwardly past and between said work rolls under the influence of said feed rolls so that the leather or the like is tautly stretched longitudinally, each of said mechanisms consisting of a pair of transversely alined endless belts and one of said mechanisms being mounted on one of said frames and the other mechanism being mounted on the other frame, and means continuously operating the belts of said two mechanisms while they are in opposed engagement with the opposite sides of the leather or the like thereby to cause both of said mechanisms to traverse and stretch the leather or the like transversely in opposite directions from its middle portion while it is gripped and maintained flat by said mechanisms and while it is being pulled upwardly between the work rolls by said feed rolls.

2,137,867
CASCADE AMPLIFIER CIRCUIT WITHOUT UPPER HARMONICS
Hermann Wessels, Berlin, Germany, assignor to Allgemeine Elektricitatz Gesellschaft, Berlin, Germany, a corporation of Germany
Application February 24, 1936, Serial No. 65,246
In Germany March 5, 1935
1 Claim. (Cl. 179—171)

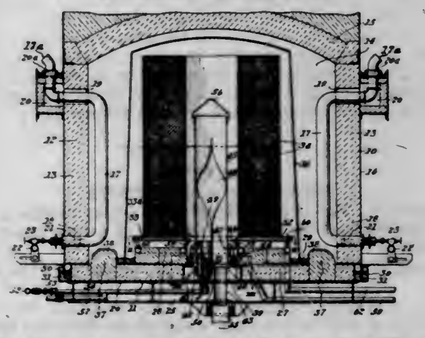


A cascade amplifier comprising a first tube, a coupling resistance R_{a1} in the anode alternating current path of the first tube, a second tube coupled to the first tube and fed with the entire voltage developed across said coupling resistance, a load resistance R_{a2} in the anode circuit of the second tube, the resistance R_{a1} satisfying the equation

$$\frac{T_1 S_2}{\left(1+\frac{'}{R_{i1}}\right)} = \frac{R_{a1} S_1^2 T_2}{\left(1+\frac{R_{a2}}{R_{i2}}\right)^2}$$

where S_1, S_2 are the rates of change of plate current with respect to grid voltage of the first and second tubes respectively, T_1, T_2 are the rates of change of S with respect to grid voltage of the first and second tubes respectively and R_{i1}, R_{i2} are the internal plate resistances of the first and second tubes respectively, whereby the output of the second tube is substantially free of second harmonics of the signals applied to the input of said amplifier.

2,137,868
APPARATUS FOR HEATING AND COOLING
Lee Wilson, Cleveland, Ohio
Application November 25, 1936, Serial No. 112,737
6 Claims. (Cl. 266—5)

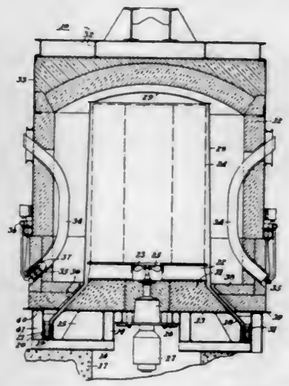


1. A furnace comprising a base or hearth, side walls and a roof, a plurality of heat exchange

tubes mounted on said walls and extending outwardly thereof, and a sealing channel extending along said walls, said tubes extending upwardly through said channel after emerging from said walls.

3. Annealing apparatus comprising a refractory base adapted to support an annular mass of metal to be annealed, a refractory lined cover removably positioned on the base and cooperating therewith to enclose the metal, an opening in said base, a heat-exchange tube removably disposed in said opening and extending upwardly from said base to penetrate said mass and heat it interiorly, fin guides for centering said tube in said opening, means in said base for delivering hot gases to said tube, and heat-exchange tubes mounted within said cover for heating the exterior of said mass.

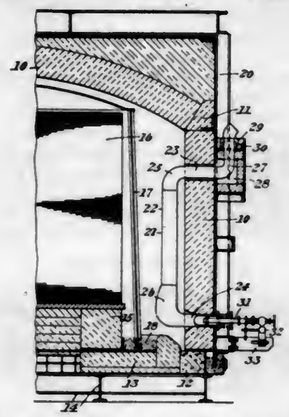
2,137,869
COIL ANNEALING FURNACE
James C. Woodson, Cleveland, Ohio, assignor to Lee Wilson Sales Corporation, Cleveland, Ohio, a corporation of Ohio
Application September 2, 1937, Serial No. 162,132
3 Claims. (Cl. 266—5)



1. A furnace comprising a charge-supporting base having a refractory layer thereon and a heating cover having a refractory lining therein, said cover being adapted to be lowered over said base, the portions of said lawer and lining which are adjacent when the cover is in cooperative position over said base being shaped and dimensioned to provide a frusto-conical clearance space therebetween, a sealing channel extending around said base and spaced radially outward of the margin of said layer, and a protective cover adapted to be disposed over said oase before the heating cover is lowered thereover, said protective cover having a portion adjacent its bottom edge shaped to fit in said space when said edge is seated in said channel.

2,137,870
HEATING APPARATUS
James C. Woodson, Cleveland, Ohio, assignor to Lee Wilson Sales Corporation, a corporation of Ohio
Application December 30, 1937, Serial No. 182,504
1 Claim. (Cl. 263—42)

A radiant heating element adapted to be mounted within an enclosure to be heated, such as a furnace, said element comprising a substantially cylindrical tube for conveying hot fluids and an elbow communicating with one end of said tube, said elbow having one end of substantially

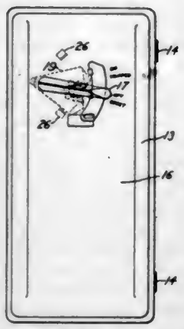


the same size as said tube and an intermediate portion swelled out to provide a sectional area substantially greater than that of said tube.

2,137,871
DYE STAIN COMPOSITION
Julius F. T. Berliner, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 13, 1936, Serial No. 95,853
11 Claims. (Cl. 134—48)

1. A dye stain composition comprising a solution of methanol and urea, substantially saturated with a staining dye, the urea being present in proportions of at least about 2 ozs. per gallon of methanol, sufficient to solubilize the dye in the methanol.

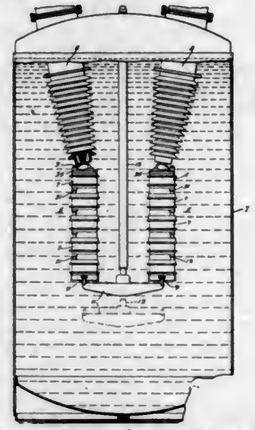
2,137,872
ELECTRIC SWITCH CABINET
John J. Bogaerts, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 21, 1936, Serial No. 91,669
8 Claims. (Cl. 200—172)



1. In an electric switch enclosing cabinet having back and side walls and a door, in combination, a switch unit having an oscillating handle disposed inside the cabinet, an operating handle mounted on the exterior surface of the door and having a shaft extending through the door,

a plate secured to the shaft inside of the cabinet and disposed substantially parallel to the door, and resilient means on the plate and having arms disposed substantially parallel to the plate for actuating the switch handle by means of the handle on the exterior of the cabinet, said arms cooperating with said plate to prevent closure of the door unless the switch handle is in its proper position between said arms.

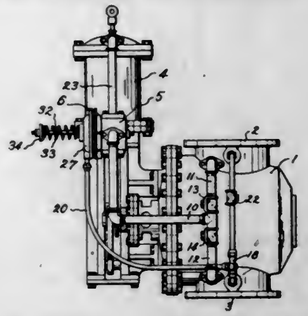
2,137,873
CIRCUIT BREAKER
Robert C. Dickinson and Winthrop M. Leeds, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 29, 1936, Serial No. 82,594
16 Claims. (Cl. 200—150)



1. In an arc extinguisher, means of insulating material for defining the walls of a generally annularly shaped narrow arc passage, means for establishing an arc at a predetermined position within said passage, stationary arc terminal means of generally circular shape at each end of said arc passage for receiving the ends of said arc, a coil for setting up a magnetic field radially across said passage for moving said arc along said passage with its ends in engagement with said arc terminal means, a material along said passage which gives off a gas when acted upon by an arc to aid in extinguishing the arc, said arc passage being closed at its end adjacent both the inside and outside of said circular arc terminal means, and a plurality of openings through said arc terminal means leading exteriorly of said arc extinguishing structure to cause the gas produced by the arc to pass laterally and longitudinally through said arc and escape through said openings.

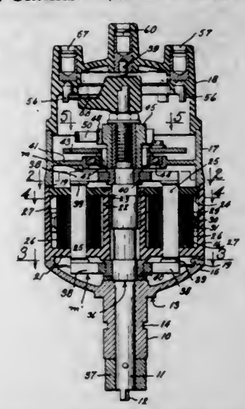
2,137,874
VALVE CONTROL MECHANISM
David D. Goldberg, Springfield, Mass., assignor to Automatic Cone Valve Company, Indian Orchard, Mass., a corporation of Illinois
Application December 19, 1935, Serial No. 55,244
5 Claims. (Cl. 137—153)

1. Automatic control mechanism for an altitude valve located in a conduit between an elevated storage tank and a service line comprising, a control member for controlling the operation of said valve and movable to and from positions corresponding to valve opening and valve closing positions, means providing an unvarying force acting on said control member tending to move the same to valve opening position, means whereby fluid pressure in said conduit acts on said control member tending to move the same to valve closing position comprising a fluid pressure chamber at one side of said control member,



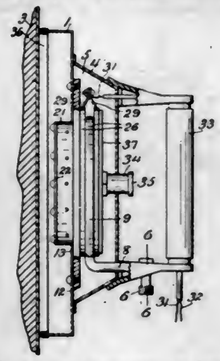
a by-pass connected in said conduit around the valve, a Venturi passage in said by-pass, and a pipe connecting the throat of the Venturi passage to said fluid pressure chamber, and a check valve in the by-pass at one side of the Venturi passage to prevent flow through the by-pass in the direction of the tank.

2,137,875
MAGNETO
Kenneth A. Harmon, Longmeadow, Mass., assignor to Wico Electric Company, West Springfield, Mass., a corporation of Massachusetts
Application October 22, 1937, Serial No. 170,403
2 Claims. (Cl. 171—209)



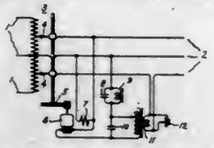
1. A magneto, comprising, a driving shaft, a pair of rotors fixed thereto in axially spaced relation and each comprising a plurality of radially extending arms, a stator mounted between the arms of the two rotors and surrounding said shaft, said stator comprising a circular series of cores equal in number to the arms of a rotor, each core mounted in substantially parallel relation with said shaft and having its ends located in inductive relation one with the arms of one rotor and the other with the arms of the other rotor, at least one of said rotors being a permanent magnet with alternate arms of opposite polarity, and coil units mounted one unit on alternate cores of the series and each comprising a primary and a secondary coil.

2,137,876
WALLPAPER REMOVER
Finn S. Hudson, Kansas City, Mo.
Application October 26, 1936, Serial No. 107,607
19 Claims. (Cl. 126—271.1)



1. In a wall paper remover, a body having a recessed side adapted for sliding movement against a wall and to form therewith a chamber, a fluid conductor having an inlet for water under pressure and an outlet discharging into said recessed side, means for heating said conductor, a thermostat, and means controlled by said thermostat by which the flow of fluid through said outlet will be respectively restricted and increased in accordance with the lowering and rising of the temperature of said conductor.

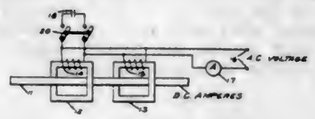
2,137,877
VOLTAGE REGULATOR CONTROL
Werner Krämer, Berlin-Karlshorst, Germany, assignor to General Electric Company, a corporation of New York
Application February 19, 1937, Serial No. 126,604
In Germany May 22, 1936
8 Claims. (Cl. 171—119)



2. In an automatic voltage regulating system, a main circuit, means including a motor for controlling the voltage of said circuit, a voltage responsive control circuit comprising wholly static means for controlling the operation of said motor in response to the voltage of said main circuit, and means for increasing the voltage at which said voltage sensitive means causes operation of said motor as the load on said alternating current circuit increases.

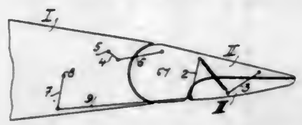
2,137,878
DIRECT-CURRENT MEASURING MEANS
Werner Krämer, Berlin-Karlshorst, Germany, assignor to General Electric Company, a corporation of New York
Application July 19, 1937, Serial No. 154,503
In Germany October 7, 1936
4 Claims. (Cl. 171—95)

2. An induction measuring system for direct-current comprising a core of highly permeable magnetizable material, a direct-current winding linking said core, an alternating-current winding linking said core, a source of alterating current connected to said alternating-current winding, and a current measuring device in circuit with said alternating-current winding, the voltage of the atlernating-current source being of



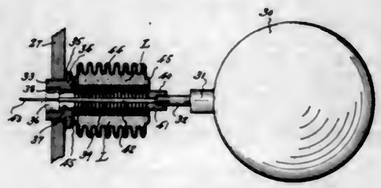
such magnitude as to come within the range of the inflection points of the alternating-current magnetization curves obtained by unidirectional magnetization at different values due to current in the direct-current winding.

2,137,879
SUPPORTING SURFACE FOR FLYING MACHINES
Joseph Ksoll, Breslau, Germany
Application February 24, 1936, Serial No. 65,250
In Germany February 26, 1935
5 Claims. (Cl. 244—42)



1. In an airplane wing, an aileron, a flap mounted in a cavity at the trailing end of the aileron, the flap and the cavity being of such configuration that the flap when in the cavity, the aileron, and the wing, together make up a complete aerofoil, and mechanism operatively connecting the flap to the aileron for shifting the flap with respect to the aileron, and for varying the angular position of the flap with respect to the aileron.

2,137,880
LOW WATER CONTROL FOR STEAM BOILERS
Ernest W. Loesser, Short Hills, N. J.
Application June 3, 1937, Serial No. 146,231
4 Claims. (Cl. 200—84)



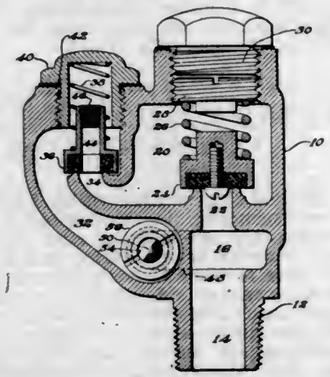
1. In a control means having a buoyant float operative in a float chamber, said float being provided with an arm having a free end portion projecting exteriorly from said float chamber for cooperation with mechanism to be actuated by float movement, a laterally flexible double walled sealing bellows structure secured to and between the float arm and a wall of said float chamber, said bellows structure providing a sealed annular chamber intermediate its walls, and a liquid mass filling said annular chamber to brace the bellows structure against longitudinal compression.

2,137,881
ADJUSTABLE REFLECTOR
Samuel Margulies, New York, N. Y.
Application September 10, 1936, Serial No. 100,126
1 Claim. (Cl. 240—103)



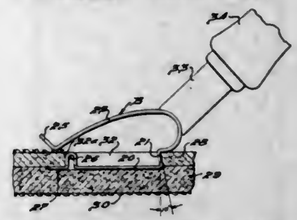
A device of the character described comprising a portable flashlight having a light source, a reflector behind the light source, a supporting band disposed around the end of the flashlight adjacent the light source and formed with a pair of lugs on opposite sides thereof, a U-shaped bracket extending forwardly from the flashlight and supported in the lugs, and an adjustable reflector pivoted centrally on the U-shaped bracket, the supporting arms of the bracket being adjustable longitudinally of the flashlight in the said lugs, whereby the reflector may be adjusted, varying from a position covering the lens of the flashlight to a position parallel to the light beam in spaced relation from the flashlight, in which the reflector presents substantially no obstruction to the light beam from the flashlight.

2,137,882
RELIEF VALVE
Ira I. Nelson, Boston, Mass.
Application December 17, 1932, Serial No. 647,707
Renewed January 26, 1937
4 Claims. (Cl. 277—46)



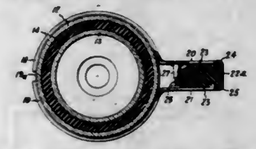
1. A relief valve comprising inlet and outlet chambers, a passage communicating between the chambers, a pressure relief valve normally closing the passage, a second passage communicating with the chambers, a vacuum relief valve in the second passage, a fusible plug mounted in the vacuum valve for relieving the occurrence of excessive temperature a second vacuum relief valve for closing the second passage and manually operated means for holding the second relief valve open.

2,137,883
TRIM PANEL AND FASTENER
Frederick N. Ross, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application August 15, 1936, Serial No. 96,185
7 Claims. (Cl. 24—259)



1. A trim fastener having a base comprising two sections extending end to end in substantially the same plane, an upstanding U-shaped spring abutment yieldingly connecting said sections together for relative endwise movement, an upstanding abutment formed from said base at a point on said base relatively remote from said spring abutment, and a spring gripping member extended from one of said abutments.

2,137,884
COFFEE MAKER HANDLE
Walter R. Weeks, Hamden, Conn., assignor to General Electric Company, a corporation of New York
Original application September 25, 1935, Serial No. 42,007. Divided and this application April 28, 1936, Serial No. 76,771
3 Claims. (Cl. 215—100)

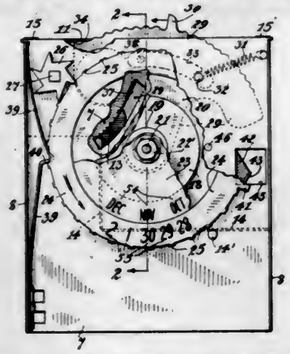


1. In a coffee maker and the like having a bowl provided at its upper end with an upright neck, a handle for said bowl comprising a member adapted to embrace said neck and having substantially parallel clamping arms at one side of said neck, said arms having portions inturned toward each other at their ends remote from the neck, a grasping member having a portion arranged to be received between said arms, said portion having recesses in its sides to receive said arms and deeper recesses at the ends of said first recesses remote from said neck to receive said inturned ends of said arms, a screw fastening device located between said inturned ends and said neck passed between said arms clamping them to the portion of said grasping member between said arms and said portion having a substantially semi-circular recess receiving said screw fastening device in interlocking relation with it.

2,137,885
COIN BANK
David H. Zell, Brooklyn, N. Y.
Application December 2, 1936, Serial No. 113,811
4 Claims. (Cl. 194—83)

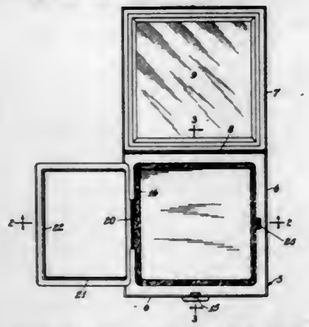
1. In a registering mechanism for coin banks, a unitary assembly comprising a supporting plate adapted to be mounted within the bank, a registering disk rotatably mounted on one side of said plate and having spaced teeth on its periphery, a shaft journaled in said plate in spaced relation to the disk, toothed members of similar form and diameter fixed on the ends of said

shaft at opposite sides of said plate, one of said members adapted to coact with the teeth of the registering disk, means for supporting a coin on edge and in contact with one of the teeth of the other of said members, and a manually op-



erable element adapted to engage the coin and move the same relative to said supporting means and against said tooth whereby said shaft is rotated to cause the first named toothed member to actuate the registering disk.

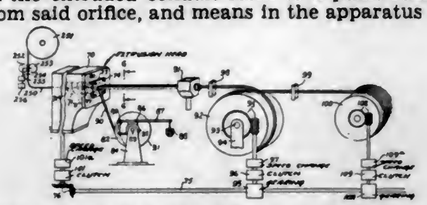
2,137,886
COMPACT
David H. Zell, Brooklyn, N. Y.
Application December 14, 1937, Serial No. 179,686
3 Claims. (Cl. 132—82)



1. In combination with a case body having marginal walls, a powder container comprising a frame of sheet metal bent to provide an outer downwardly opening channel portion and an inner upwardly opening channel portion, said frame adapted for insertion within the case body and the outer wall of said downwardly opening channel having resiliently yielding frictional bearing engagement with the corresponding upstanding walls of said case body to retain said frame in assembled relation therewith, a cover plate hinged upon one side of said frame and a packing strip of compressible material secured within the inner upwardly opening channel portion of said frame and with which the marginal edges of said cover plate have sealing contact when the cover is closed.

2,137,887
METHOD AND APPARATUS FOR CONDUIT CONSTRUCTION
Charles W. Abbott, Larchmont, N. Y.
Application July 14, 1934, Serial No. 735,167
28 Claims. (Cl. 173—244)

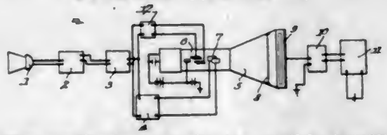
1. In apparatus of the character described, in combination, a die having an orifice whose shape is like that of the cross-section of the conduit desired to be formed, means for forcing through said orifice a plastic rubber compound, means for preventing distortion of, and for uniting a tape with, the extruded conduit form, said last-mentioned means comprising means for guiding the tape from a point adjacent said orifice to receive thereon the extruded conduit form to a point remote from said orifice, and means in the apparatus in-



dependent of said extruding means but substantially synchronized therewith for drawing and moving the tape with the extruded form thereon in a direction away from said orifice at a rate substantially equal to the rate of extrusion of said conduit form through said orifice, thereby to relieve the extruded conduit form from distorting strains and to maintain substantial uniformity of cross-section thereof.

21. An apparatus for sheathing a flexible element in a longitudinal substantially straight passage of a hollow flexible preformed strip having a longitudinal slit formed in the wall of said passage, said apparatus comprising means for progressively spreading a portion of said slit, means for guiding the flexible element into said passage through the spread portion of said slit, and means for drawing said strip in cooperative relation with said slit spreading and element guiding means and for simultaneously drawing said element from said element guiding means and into the passage of said strip by the movement of said strip.

2,137,888
MEANS AND METHOD FOR CONVERTING SPEECH INTO VISIBLE INDICIA
Wallace Watt J. Fuller, Washington, D. C.
Application November 18, 1935, Serial No. 50,456
14 Claims. (Cl. 179—1)

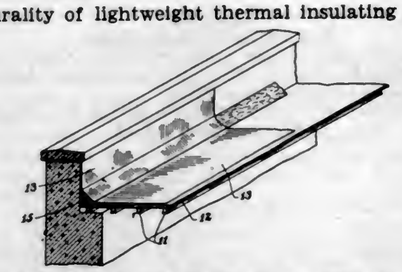


1. The method of producing visible intelligible indicia corresponding to intelligible audible sounds, comprising propagating such a sound, projecting a movable beam, causing said beam to traverse a wave form path, controlling the form of said path by said sound, providing a plurality of indicators, each adapted to indicate a visible indicia corresponding to an intelligible audible sound, selecting, by means controlled by said wave form path, the indicator corresponding to the sound utilized to control the form thereof, and actuating said indicator to make said indicia visible.

2,137,889
BUILDING ASSEMBLY AND CANT STRIP
William Gillett, Detroit, Mich.
Application June 13, 1936, Serial No. 84,995
2 Claims. (Cl. 108—26)

1. A cant strip for flashing the joint between a roof and side wall of a building comprising a

plurality of lightweight thermal insulating plies

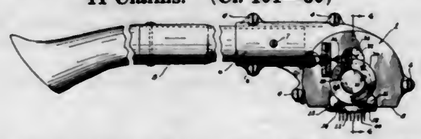


of felted fibres and adhesive disposed between the plies for securing the same together.

2,137,890
METHOD FOR TREATMENT AND DEHYDRATION OF FLESHY PLANT MATERIALS
Edwin F. Hopkins, Laurel, Miss.; dedicated to the free use of the People of the United States
No Drawing. Application March 20, 1937, Serial No. 132,101
5 Claims. (Cl. 99—204)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process for treating fleshy plant materials, which comprises subjecting these materials to the action of a material selected from the group consisting of fat solvents, thereby permitting them to become plasmolyzed, and thence mechanically removing the water and water soluble constituents.

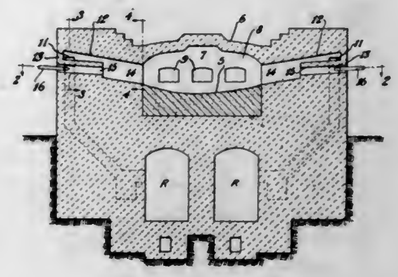
2,137,891
BRANDING DEVICE
Ernest Ward Ashton, Ottawa, Ontario, Canada, assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application May 12, 1937, Serial No. 142,274
11 Claims. (Cl. 101—30)



1. A branding implement comprising a pair of rotors each having an axial trunnion formed integral with one of the lateral faces thereof, a loose shaft rotatably mounting the rotors with the opposite lateral faces of the rotors one against the other, a casing rotatably mounting the trunnion of each of said rotors and having an open face defining a branding surface, a series of branding characters secured against the peripheral surface of each of said rotors and movable into branding position relative to said branding surface, means rotating each of said rotors, and means locking each of said rotors against rotation whereby any one of the series of branding characters carried thereon will be secured into branding position.

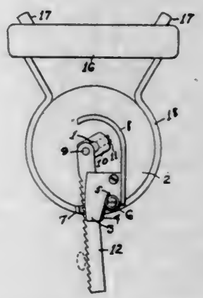
8. In a branding implement, a detachable branding character comprising a backing plate and a series of characteristically arranged outwardly projecting pigment carrying pins rigidly set in said plate, said branding pins at their set ends being provided with radial enlargements rigidly secured intermediate the opposite faces of said backing plate to prevent pulling of the individual pins from the backing plate during withdrawal of the branding character from the branded article.

2,137,892
FURNACE
William D. Bradford, Canton, Ohio, assignor, to Barium Stainless Steel Corporation, Canton, Ohio, a corporation of Delaware
Application June 17, 1937, Serial No. 148,756
3 Claims. (Cl. 263—15)



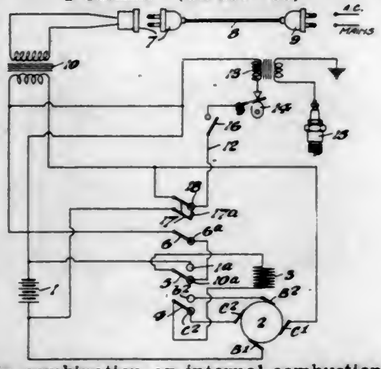
1. Furnace construction including a melting chamber, walls forming a combustion chamber adjacent to the melting chamber, walls forming a downwardly inclined hot air passage communicating at its inner end with said combustion chamber, a gas burner tunnel closed throughout its length extending into said passage from outside the furnace and communicating at its inner end with said combustion chamber at a point spaced from the hearth whereby primary air and gas in the tunnel are partially re-formed within the tunnel, and said passage having air ports at its outer end for circulating heated air around said burner tunnel to preheat the gas and air being re-formed within the tunnel and to then mix in the combustion chamber with the preheated partially re-formed gas and air issuing from the tunnel.

2,137,893
POWER SAW
Austin C. Elder, Canton, Ohio
Application March 2, 1936, Serial No. 66,535
5 Claims. (Cl. 143—68)



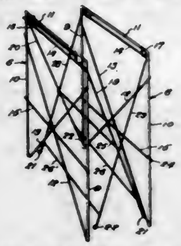
1. A power driven saw including a rotary shaft, a saw blade, means connecting one end of the blade eccentric to the shaft, and guide means including a spaced pair of side guides located in planes at a right angle to the shaft and a back guide fixed at its upper end only to the side guides and having its lower free end bearing against the blade so as to guide the blade in a combined oscillating and reciprocating motion.

2,137,894
MEANS FOR STARTING AUTOMOBILES
Clarence Elder, Arkley, near Barnet, England
Application October 23, 1937, Serial No. 170,590
In Great Britain January 21, 1937
4 Claims. (Cl. 290—38)



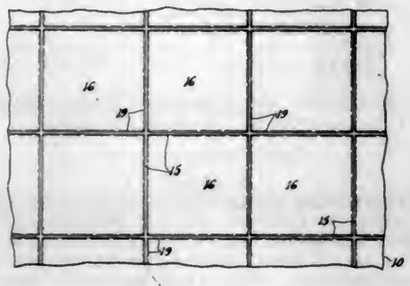
1. In combination an internal combustion engine, a four brush starting motor, a transformer with a primary and secondary, and with its primary adapted for connection to commercial source of A. C. supply, means to effect such connection, a battery, an ignition system for the engine, leads connecting the battery to the field of the starting motor and a pair of opposed brushes, leads connecting the secondary of the transformer to the other two brushes, leads connecting the ignition system to the transformer and to the battery, and switching means connecting the ignition system and four brush starting motor simultaneously selectively to the transformer and the battery.

2,137,895
FOLDING DISPLAY RACK
Dudley W. Flagler, East Rochester, N. Y., assignor to Crosman Seed Corporation, Inc., East Rochester, N. Y., a corporation of New York
Application February 1, 1938, Serial No. 188,171
2 Claims. (Cl. 248—175)



2. A display rack comprising normally vertical substantially parallel spaced apart wire sides, skeleton diagonal braces of springy material pivotally connected to each other between their ends and pivoted at one end of each to the upper ends of said sides, the lower ends of said braces being provided with eyes, pins projecting laterally from opposite edges of said sides to receive said eyes detachably, means spaced from said lower ends for holding the sides of each brace at a distance apart slightly less than the width of said vertical sides to cause said eyes to snap over said pins and press against the outer edges of said sides, and spring clip rods parallel to the upper ends of said sides to receive and position the downwardly projecting opposite end walls of a display stand.

2,137,896
SCORED WALLBOARD
Harry E. Marsh, New Philadelphia, Ohio, assignor to Marsh Wall Products, Inc., Dover, Ohio, a corporation of Ohio
Application February 24, 1938, Serial No. 192,276
4 Claims. (Cl. 20—5)



1. A tile scored wall board comprising a flat surface wall board having grooves in its finish surface, each groove having a substantially flat bottom wall and substantially straight side walls terminating in rounded corners merging into the flat surface of the board, which permits a coat of coating material to be built in substantially uniform thickness upon said outer flat surface of the board and over said rounded corners in order to reduce or eliminate the penetration of moisture at these points, and permitting a stripe of coating material to be laid on the bottom wall of each groove and extending in the bottom of the groove to each side wall thereof.

2,137,897
MEAT PACKING METHOD
Harry H. McKee and Floyd Seaver, Chicago, Ill., assignors to Swift and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application October 6, 1930, Serial No. 486,737
1 Claim. (Cl. 99—107)

The method of treating meat which comprises sharp-freezing the meat to a temperature of zero degrees Fahrenheit or lower in a rapid draft of frigid atmosphere, thereafter tempering the meat to equalize the temperature throughout, slicing the meat with a knife edge cutter, reassembling the slices and subsequently again reducing the temperature thereof to zero degrees Fahrenheit or lower.

2,137,898
METHOD OF COOKING MEATS
Harry H. McKee, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application May 6, 1933, Serial No. 669,675
6 Claims. (Cl. 99—107)

1. The method of treating hams which comprises subjecting the ham simultaneously to the action of heat and smoke in a saturated atmosphere, the temperature being maintained at 190° to 195° Fahrenheit until the inside temperature of the ham reaches approximately 125° Fahrenheit, the temperature being then reduced to from 160° to 165° Fahrenheit and maintained at this temperature until the ham is thoroughly cooked.

2,137,899
TREATMENT OF CREAM
Guy W. Phelps, Raymond Bradley, and Donald C. Pierie, Chicago, Ill., assignors to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Original application April 6, 1934, Serial No. 719,296. Divided and this application January 22, 1935, Serial No. 2,956. In Canada April 30, 1934
8 Claims. (Cl. 99—54)

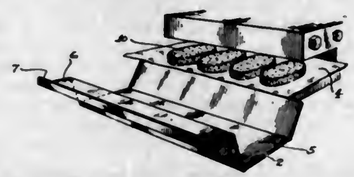
1. The method of whipping cream which consists in adding to cream a small amount of glyceryl ester of a higher fatty acid having a free glyceryl alcohol group and thereafter whipping the cream.

2,137,900
FEEDING MECHANISM FOR ROCK DRILLS
Led L. Richardson, Garfield Heights, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio
Application July 19, 1937, Serial No. 154,409
6 Claims. (Cl. 255—45)



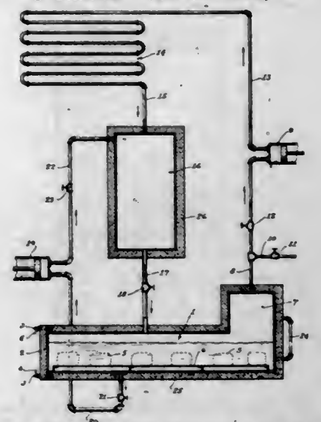
1. In a drilling apparatus, the combination with a support, of a motor slidable on the support having forward and rearward jars imparted thereto, of a feeding mechanism for said motor including a sprocket wheel carried by the motor and a chain carried by the support, said chain passing partly around said sprocket wheel in operative engagement therewith, stop means associated with said sprocket wheel to prevent relative movement between said motor and chain during the rearward jars of the motor and capable of release during the forward jars of the motor to allow its forward feeding motion resulting from said forward jars, and means associated with said chain having energy stored therein during the rearward jars of the motor, said energy being automatically released during the forward jars of the motor for imparting feeding motion thereto additional to that normally resulting from its forward jars.

2,137,901
SAUSAGE PATTY MACHINE
Bernard J. Sadoff, Buenos Aires, Argentina, assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application February 2, 1937, Serial No. 123,699
3 Claims. (Cl. 107—8)



1. An attachment for a sausage patty forming machine of the type having a forming horn comprising a shelf, including a paper platform positioned substantially opposite the forming horn, and a receiving platform positioned between and below said paper platform and said forming horn.

2,137,902
QUICK FREEZING PROCESS
Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application November 21, 1936, Serial No. 112,177
8 Claims. (Cl. 62—104)



8. The method of quick freezing food products which comprises submerging the food in a liquefied refrigerant in a closed system under pressure, continuously withdrawing gaseous refrigerant, continuously returning liquefied refrigerant at a substantially constant low temperature until completion of the freezing process and thereafter withdrawing all of the liquefied refrigerant from the system.

2,137,903
SEWING CASINGS
Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application November 21, 1936, Serial No. 112,179
2 Claims. (Cl. 99—175)



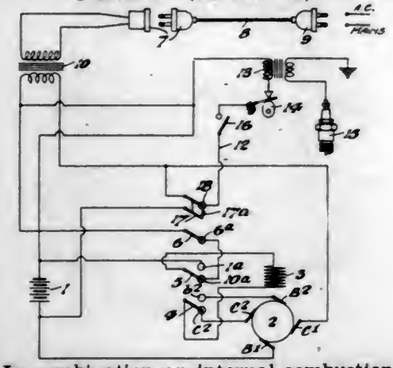
1. The method of inserting one casing within another which comprises hydraulically carrying one casing within the other.

2,137,904
CASING MATERIAL
Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application December 12, 1936, Serial No. 115,534
6 Claims. (Cl. 99—176)

1. The method of preparing sausage casings which comprises preparing a fabric tube from closely woven fabric and chemically weakening the fibers of the fabric.

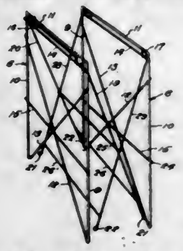
4. The method of preparing a sausage casing which comprises chemically weakening the fibers of a closely woven fabric and forming a tube from the weakened fabric.

2,137,894
MEANS FOR STARTING AUTOMOBILES
Clarence Elder, Arkley, near Barnet, England
Application October 23, 1937, Serial No. 170,590
In Great Britain January 21, 1937
4 Claims. (Cl. 290—38)



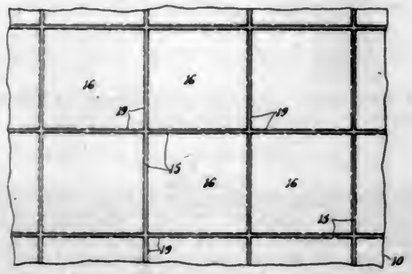
1. In combination an internal combustion engine, a four brush starting motor, a transformer with a primary and secondary, and with its primary adapted for connection to commercial source of A. C. supply, means to effect such connection, a battery, an ignition system for the engine, leads connecting the battery to the field of the starting motor and a pair of opposed brushes, leads connecting the secondary of the transformer to the other two brushes, leads connecting the ignition system to the transformer and to the battery, and switching means connecting the ignition system and four brush starting motor simultaneously selectively to the transformer and the battery.

2,137,895
FOLDING DISPLAY RACK
Dudley W. Flagler, East Rochester, N. Y., assignor to Crosman Seed Corporation, Inc., East Rochester, N. Y., a corporation of New York
Application February 1, 1938, Serial No. 188,171
2 Claims. (Cl. 248—175)



2. A display rack comprising normally vertical substantially parallel spaced apart wire sides, skeleton diagonal braces of springy material pivotally connected to each other between their ends and pivoted at one end of each to the upper ends of said sides, the lower ends of said braces being provided with eyes, pins projecting laterally from opposite edges of said sides to receive said eyes detachably, means spaced from said lower ends for holding the sides of each brace at a distance apart slightly less than the width of said vertical sides to cause said eyes to snap over said pins and press against the outer edges of said sides, and spring clip rods parallel to the upper ends of said sides to receive and position the downwardly projecting opposite end walls of a display stand.

2,137,896
SCORED WALLBOARD
Harry E. Marsh, New Philadelphia, Ohio, assignor to Marsh Wall Products, Inc., Dover, Ohio, a corporation of Ohio
Application February 24, 1938, Serial No. 192,276
4 Claims. (Cl. 20—5)



1. A tile scored wall board comprising a flat surface wall board having grooves in its finish surface, each groove having a substantially flat bottom wall and substantially straight side walls terminating in rounded corners merging into the flat surface of the board, which permits a coat of coating material to be built in substantially uniform thickness upon said outer flat surface of the board and over said rounded corners in order to reduce or eliminate the penetration of moisture at these points, and permitting a stripe of coating material to be laid on the bottom wall of each groove and extending in the bottom of the groove to each side wall thereof.

2,137,897
MEAT PACKING METHOD
Harry H. McKee and Floyd Seaver, Chicago, Ill., assignors to Swift and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application October 6, 1930, Serial No. 486,737
1 Claim. (Cl. 99—107)

The method of treating meat which comprises sharp-freezing the meat to a temperature of zero degrees Fahrenheit or lower in a rapid draft of frigid atmosphere, thereafter tempering the meat to equalize the temperature throughout, slicing the meat with a knife edge cutter, reassembling the slices and subsequently again reducing the temperature thereof to zero degrees Fahrenheit or lower.

2,137,898
METHOD OF COOKING MEATS
Harry H. McKee, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application May 6, 1933, Serial No. 669,675
6 Claims. (Cl. 99—107)

1. The method of treating hams which comprises subjecting the ham simultaneously to the action of heat and smoke in a saturated atmosphere, the temperature being maintained at 190° to 195° Fahrenheit until the inside temperature of the ham reaches approximately 125° Fahrenheit, the temperature being then reduced to from 160° to 165° Fahrenheit and maintained at this temperature until the ham is thoroughly cooked.

2,137,899
TREATMENT OF CREAM
Guy W. Phelps, Raymond Bradley, and Donald C. Pierie, Chicago, Ill., assignors to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Original application April 6, 1934, Serial No. 719,296. Divided and this application January 22, 1935, Serial No. 2,956. In Canada April 30, 1934
8 Claims. (Cl. 99—54)

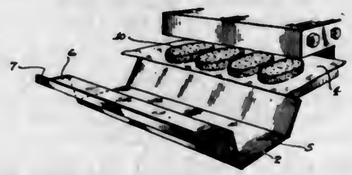
1. The method of whipping cream which consists in adding to cream a small amount of glyceryl ester of a higher fatty acid having a free glyceryl alcohol group and thereafter whipping the cream.

2,137,900
FEEDING MECHANISM FOR ROCK DRILLS
Led L. Richardson, Garfield Heights, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio
Application July 19, 1937, Serial No. 154,409
6 Claims. (Cl. 255—45)



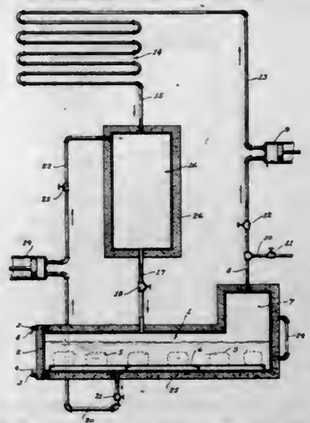
1. In a drilling apparatus, the combination with a support, of a motor slidable on the support having forward and rearward jars imparted thereto, of a feeding mechanism for said motor including a sprocket wheel carried by the motor and a chain carried by the support, said chain passing partly around said sprocket wheel in operative engagement therewith, stop means associated with said sprocket wheel to prevent relative movement between said motor and chain during the rearward jars of the motor and capable of release during the forward jars of the motor to allow its forward feeding motion resulting from said forward jars, and means associated with said chain having energy stored therein during the rearward jars of the motor, said energy being automatically released during the forward jars of the motor for imparting feeding motion thereto additional to that normally resulting from its forward jars.

2,137,901
SAUSAGE PATTY MACHINE
Bernard J. Sadoff, Buenos Aires, Argentina, assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application February 2, 1937, Serial No. 123,699
3 Claims. (Cl. 107—8)



1. An attachment for a sausage patty forming machine of the type having a forming horn comprising a shelf, including a paper platform positioned substantially opposite the forming horn, and a receiving platform positioned between and below said paper platform and said forming horn.

2,137,902
QUICK FREEZING PROCESS
Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application November 21, 1936, Serial No. 112,177
8 Claims. (Cl. 62—104)



8. The method of quick freezing food products which comprises submerging the food in a liquefied refrigerant in a closed system under pressure, continuously withdrawing gaseous refrigerant, continuously returning liquefied refrigerant at a substantially constant low temperature until completion of the freezing process and thereafter withdrawing all of the liquefied refrigerant from the system.

2,137,903
SEWING CASINGS
Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application November 21, 1936, Serial No. 112,179
2 Claims. (Cl. 99—175)



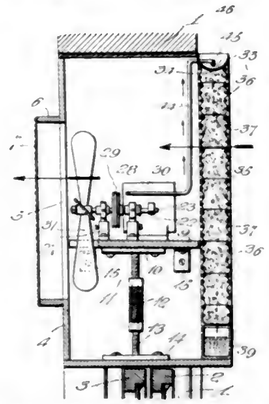
1. The method of inserting one casing within another which comprises hydraulically carrying one casing within the other.

2,137,904
CASING MATERIAL
Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application December 12, 1936, Serial No. 115,534
6 Claims. (Cl. 99—176)

1. The method of preparing sausage casings which comprises preparing a fabric tube from closely woven fabric and chemically weakening the fibers of the fabric.

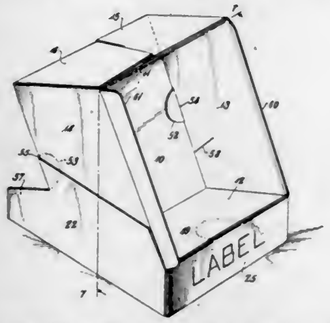
4. The method of preparing a sausage casing which comprises chemically weakening the fibers of a closely woven fabric and forming a tube from the weakened fabric.

2,137,905
AIR CONDITIONER
Ray W. Church and Thomas H. Ware, Seminole, Okla.
Application July 12, 1937, Serial No. 153,235
2 Claims. (Cl. 261—97)



1. In an air conditioning apparatus of the class described, a housing provided with an air outlet in a predetermined position in one wall thereof, an air filtering member in the opposite wall of said housing, a fan and driving means therefor within the housing, a support for said fan and driving means, a vertically adjustable standard for vertically adjusting said support within the housing and supporting the support in place to position the fan in predetermined relation to the air outlet, and means for securing the support to the housing in an adjusted position.

2,137,906
DISPLAY BOX
Fred E. Cummings, Atlanta, Ga., assignor to Atlanta Paper Company, Atlanta, Ga.
Application February 14, 1938, Serial No. 190,517
4 Claims. (Cl. 206—44)



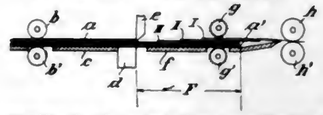
1. A display box comprising in combination: a box body including bottom, side, and end forming portions; an easel and cover forming member hinged to the upper edge of one of the end forming portions and comprising a narrow portion extending in a plane at an obtuse angle to said upper edge, a portion extending at a right angle from said narrow portion substantially to the lower edge of the end of the box to which said member is hinged and side members hinged to said right angle extending portion lapping the sides of the box and projecting from said narrow portion to form legs of the easel.

2,137,907
GARMENT POCKET
William E. Cunningham, Norman, Okla.
Application June 16, 1938, Serial No. 214,112
7 Claims. (Cl. 2—250)



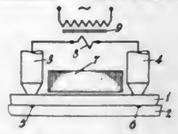
1. A pocket comprising side walls secured together with an elongated pocket opening therebetween and having a partition therebetween dividing said pocket into separate compartments, said partition having an integral lip extending parallel with said pocket opening and projecting outwardly therethrough from said compartments, a facing strip connected with the side of one compartment and having a lip extending parallel with the first-mentioned lip, said lips having the outer edges thereof disconnected and separable to provide a passageway into said compartment, and rows of stitches extending along the inner edges of said lips parallel with the pocket opening and through turned back portions thereof to facilitate hinging action thereof, said lips being jointly foldable into the other compartment to close said passageway.

2,137,908
METHOD OF AND APPARATUS FOR PREPARING SLIVERS
Heinrich Gies, Blumenthal (Unterweser), Germany, assignor to Bremer Woll-Kammerei, Blumenthal (Unterweser), Germany
Application November 3, 1937, Serial No. 172,598
In Germany November 6, 1936
13 Claims. (Cl. 19—150)



1. The method of preparing continuous slivers from a hank, comprising feeding the hank, interrupting the feed, cutting the threads of the hank, taking up the threads during the cutting operation, interrupting the taking-up before all of the cut threads have been taken up, restarting the feed, depositing the fed end of the hank on the thread residue remaining after the taking-up has been interrupted, and restarting the cutting and the taking-up operations.

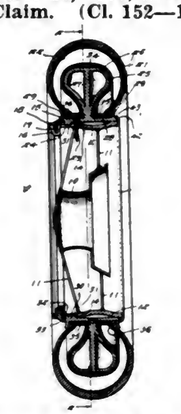
2,137,909
DOUBLE SPOT WELDING
Gerhard Hagedorn, Berlin-Halensee, Germany, assignor to Bernhard Berghaus, Berlin-Lankwitz, Germany
Application May 10, 1937, Serial No. 141,796
In Germany May 16, 1936
3 Claims. (Cl. 219—10)



1. A method of double spot and seam welding of two parts by means of only two adjacent electrodes resting on one of the two parts to be welded together consisting in displacing the current flowing between the electrodes through the part on which the two electrodes rest towards and into the other part by increasing the magnetic conductivity between the electrodes on the electrode

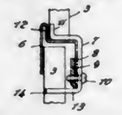
side, for the purpose of reducing the ratio between the current flowing between the electrodes in the part on which they rest and the current flowing through the other part to be welded thereto.

2,137,910
PNEUMATIC TIRE
Waino E. Hautala, Ironwood, Mich.
Application June 14, 1937, Serial No. 148,215
1 Claim. (Cl. 152—158)



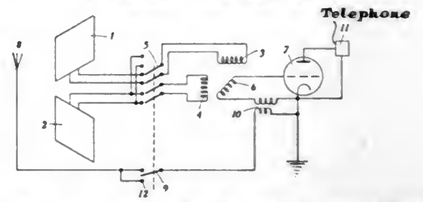
The combination with a vehicle wheel having a rim, a tire on the rim, and an annular rigid rail on the rim for supporting the weight of the vehicle when the tire is deflated, of a base flange integral with the rail seated on the rim, an annular rib extending from the inner face of the base flange and fitting in an annular recess in the rim, said rim preventing lateral displacement of the rail when the weight of the vehicle is borne thereby after deflation of the tire, flanges on the sides of the base flange adapted to engage the tire, said base flange projecting on one side beyond the tire engaging flange thereof, a clamping flange on the same side of said rim engaged over said projecting portion of the base flange, and a clamp ring carried by the rim and engaged against the opposite side of said base flange.

2,137,911
WALL FASTENER
Ferdinando Innocenti, Rome, Italy
Application December 1, 1936, Serial No. 113,746
In Italy March 3, 1936
3 Claims. (Cl. 189—35)



1. A device for fastening sheet material comprising, a member having a top portion and a straight leg portion and a horizontal portion and a leg depending therefrom so as to be h-shaped in section adapted to be positioned between the ends of two sheets in such a manner that the normal horizontal portion of the h-shaped member is between the ends of the sheets, means associated with said member adapted to urge the end of one of said sheets into clamping engagement with the normal top portion of the h-shaped member, and said means extending along the horizontal and depending leg portions of said member for urging the end of the other sheet into clamping engagement with one of the legs of said h-shaped member.

2,137,912
RADIO DIRECTION FINDING SYSTEM
John Parkyn Jeffcock, Surbiton, England
Application November 22, 1937, Serial No. 175,913
In Great Britain November 14, 1936
1 Claim. (Cl. 250—11)



A radio direction finding system comprising a directional aerial system consisting of two directional antennae, a radiogoniometer coupled with said directional antennae for direction finding purposes, field coils in said radiogoniometer interchangeably connectable with said directional antennae through the intermediary of a switching device, a non-directional aerial system, an indicating apparatus, an auxiliary switch for selectively connecting and disconnecting said last-mentioned aerial system to said indicating apparatus, said switching means adapted to connect to said indicating apparatus either the directional aerial system alone for determination of direction or both the directional aerial system and the non-directional aerial system for determination of "sense", and means coupling said switching device with said auxiliary switch for simultaneous operation for interchanging the connections between the directional antennae and the field coils of the radiogoniometer whereby the polar diagram of reception of the directional aerial system is turned through such an angle when the switch position is changed that the directional indications for the determination of direction and "sense" are substantially coincident.

2,137,913
SECURING AND CARRYING MEANS FOR PACKAGES
Oscar Kind, Rodenkirchen-on-the-Rhine, Germany
Original application September 1, 1934, Serial No. 742,506. Divided and this application May 21, 1936, Serial No. 81,089. In Germany September 6, 1933
8 Claims. (Cl. 229—52)

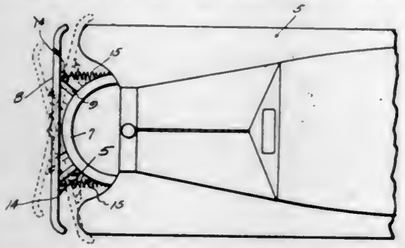


5. A package-carrying instrumentality comprising an adhesive band, a plurality of spaced and alined carrying strips, each having a looped portion constituting a hand grip on the upper side of said band and having portions beyond each end of the loop underlying the said band and adhesively secured to said band.

2,137,914
AUTOMOBILE BUMPER
James Frederick King, Little Rock, Ark., assignor of one-fourth to William W. Shepherd and one-fourth to George Bale, both of Little Rock, Ark.
Application September 25, 1937, Serial No. 165,753
3 Claims. (Cl. 293—55)

2. A bumper for use on the chassis frame of an automobile comprising an arcuate bar-like support

adapted for attachment at its ends to said frame to extend across the front of the latter in forwardly bowed position, and a bumper bar mounted on said support to extend across the front thereof and yieldingly movable bodily along said



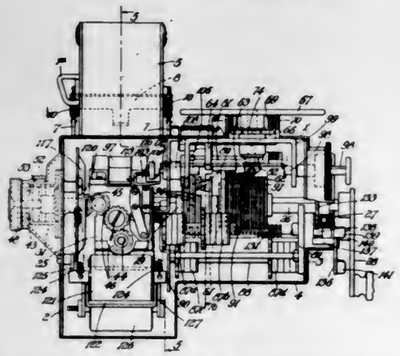
support in opposite directions, respectively, from a normal central position whereby said bar is caused under impact against the ends thereof to assume oblique positions relative to the normal and to direct the force of the impact laterally in a glancing direction.

2,137,915

TICKET PRINTING AND ISSUING MACHINE

Dudley Henry Kinnard, London, and Harold Francis Ford, Wallington, England, assignors to "T. I. M." (Ticket-Issue Machines) Limited, London, England

Application June 9, 1937, Serial No. 147,340
In Great Britain April 3, 1936
2 Claims. (Cl. 235—31)



1. A ticket printing and issuing machine of the class described comprising a printing drum having two independently adjustable printing devices for printing variable value markings, registering devices for said printing devices, a shaft fixed to the printing drum, actuating devices for the registering devices, a separate external setting member for each of said printing devices, and an adjusting member coupled to each of said printing and actuating devices and to the respective setting member and mounted to slide on and rotate with said shaft, each of said adjustable value printing devices being adjustable to a blank position in which it prints no value marking, and said adjusting members being arranged so that the movement of either of said members resulting from adjustment of the corresponding value printing device to the blank position causes the other value printing device to be adjusted to a value printing position, thereby preventing simultaneous adjustment of both adjustable value printing devices to blank positions.

2,137,916

MANUFACTURE OF ALGINATED WHIPPED CREAM AND PRODUCT

Alex Kleerup, Flushing, N. Y., assignor to Kelco Company, San Diego, Calif., a corporation of Delaware

No Drawing. Application May 12, 1937, Serial No. 142,288
12 Claims. (Cl. 99—60)

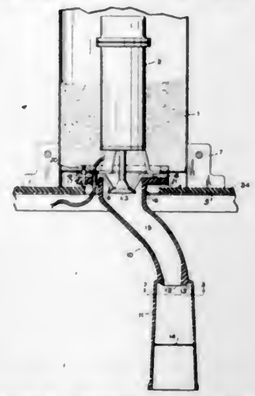
1. Alginated whipped cream.

2,137,917

SANDING DEVICE FOR VEHICLES

John B. Lintern, Berea, Ohio, assignor to The Lintern Corporation, Cleveland, Ohio, a corporation of Ohio

Application July 22, 1937, Serial No. 155,057
4 Claims. (Cl. 291—44)



1. A combined discharge header and distribution conduit for a vehicle sander comprising a rubber tube having its upper portion adapted for connection to a sanding device and having a portion depending from said header portion and being open at its lower end, and said tube having an integral rubber shield depending from its lower end, the shield having a wall thickness less than the wall thickness of the tube and capable of elastic deformation by air pressure occasioned by forward motion of the associated vehicle, said shield being substantially coaxial with the lower open end of the tube and having its side wall spaced outwardly from the opening in the tube.

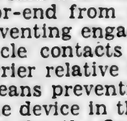
2,137,918

CONNECTING MEANS FOR RAILS

Angelo Lodetti, Milan, Italy, assignor of seventy percent to Bruno Negrini and Angelo Sbarberi, Bologna, Italy

Application November 13, 1937, Serial No. 174,439
In Italy December 1, 1936
4 Claims. (Cl. 238—221)

1. In a rail joint the combination with a pair of rail sections, the webs of which are provided with holes while portions of the outside edges of the heads are cut away at an angle to the rail axis up to a certain distance from the inner edge and from the bottom part of the head so as to form a substantially prismatic triangular pocket on the tread surface at the meeting edges of the abutting rail sections, fish plates arranged on opposite sides of the web portions and contacting the adjacent faces of the head and base portions of the rail sections, a bridge member including a tongue-like portion and an integral flange portion, said portions being angularly disposed at slightly less than 90° relative to each other, the tongue-like portion filling the pocket while the flange portion is disposed against the outer face of the adjacent fish plate, the web portions of the rail sections, the fish plates and flanged portion of the bridge member being pro-



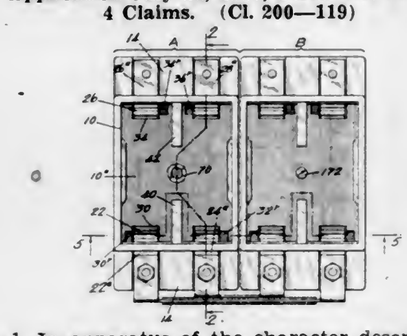
vided with aligning apertures, and nut and bolt arrangements engaged in the aligning apertures for fastening the parts together whereby due to the angular disposition of the tongue-like portion and the flange portion of the bridge member the adjacent parts of the joint will be jammed into engagement with each other.

2,137,919

ELECTRIC CIRCUIT CONTROLLING APPARATUS

Charles Henry Lorenz, New Hartford, Conn., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn., a corporation of Connecticut

Application July 24, 1937, Serial No. 155,561
4 Claims. (Cl. 200—119)



1. In apparatus of the character described, a pair of substantially identical devices each comprising an insulating body having a well, receptacle contacts in the well, a carrier for a current-responsive device adapted to fit within said well, finger contacts on said carrier adapted to engage with said receptacle contacts when said carrier is inserted in said well in a predetermined position, and means permitting only partial insertion of said carrier in said well when said plug carrier is turned end-for-end from said predetermined position and preventing engagement of said finger and receptacle contacts and lateral movement of said carrier relative to its base, in combination with means preventing the insertion of the carrier of one device in the well of the other device, in position for the finger contacts on the carrier of said one device to engage the receptacle contacts within the well of said other device, said last-named means comprising a pin device cooperating with a socket device, the pin device being attached to the carrier and the socket device being attached to the base of one of said identical devices, while in the other of said identical devices the pin device is attached to the base and the socket device to the carrier.

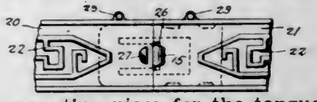
2,137,920

BRACELET CLASP

Peter Manickas, Pawtucket, R. I.

Application April 14, 1938, Serial No. 202,116
2 Claims. (Cl. 24—230)

1. In a device of the class described, a separable clasp connection between the ends of bracelet sections including a substantially rectangular plate anchored to one section and projecting outwardly of the end thereof with the corners of the projecting end rounded, a resilient tongue struck-out from the plate with the end of the tongue attached to the plate disposed adjacent the projecting end of the plate, the free end of the tongue having a portion bent outwardly substantially at right angles to the tongue and curved laterally and inwardly at its outer end to form



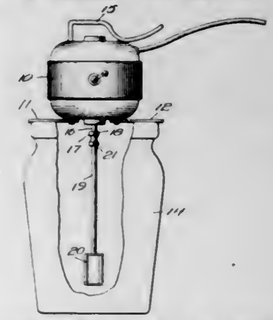
a finger operating piece for the tongue, a latch lug struck-up from the tongue adjacent the base of the outwardly bent portion of the finger piece, a latch keeper socket carried by the other bracelet section adjacent its free end to receive the latch lug and said last named section having side guide channels receiving the side edges of the projecting end of the latch plate with the rounded corners of the latter guiding the latch plate into said bracelet section.

2,137,921

ELECTRIC MOTOR AND SUPPORT THEREFOR

Fred D. Matthews, Albertville, Ala.

Application July 15, 1938, Serial No. 219,480
2 Claims. (Cl. 248—2)



1. The combination with a motor having a housing, of arcuate divergent laterally extending members connected to and projecting beyond the housing at one end thereof, said members being adapted to support the motor upon a receptacle in vertical position so that the motor may be used as a mixing motor, and a handle member mounted upon and extending from the other end of the housing and projecting from the housing to a point midway between the ends of one of the arcuate members so that when the motor is used in horizontal position the handle and said ends of the last named member form a three point support for the motor.

2,137,922

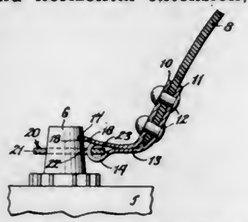
CARRIER FOR STORAGE BATTERIES

Joseph Mistrett, Buffalo, N. Y.

Application February 9, 1937, Serial No. 124,935
6 Claims. (Cl. 294—104)

1. A storage battery carrier, comprising a strap and a gripper at each end of said strap adapted to fit over and grip one of the terminals of the battery, each of said grippers including a folded strip of metal the fold of which provides a horizontal extension and the legs of which extend inwardly and upwardly from said horizontal extension and are secured to the opposite sides of

the strap, said horizontal extension being formed at its fold to provide an upwardly and outwardly extending jaw, and a ring member loosely connected to said horizontal extension, the corresponding terminal of said battery being caught between said ring member and jaw whereby upon lifting said strap said jaw is swung downwardly to firmly engage the battery terminal.

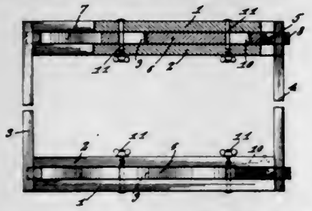


2,137,923

FURNITURE BASE

Henry L. Olschlager and Andrew J. Ellis, Columbiana, Ohio, assignors to The Kenmar Manufacturing Company, East Palestine, Ohio

Application January 20, 1938, Serial No. 185,957
3 Claims. (Cl. 155—57)



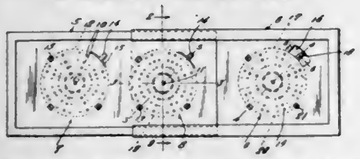
3. A furniture base comprising a frame adapted to have fixedly mounted thereon the body of a piece of furniture and including side rails arranged in pairs to provide inner and outer side rails disposed in spaced parallel relation with respect to each other, end rails secured to the side rails, spacing blocks between the inner and outer rails, main base members each including a body portion having forwardly and rearwardly inclined slots therein, leg portions formed on the body portions and extending at an inclination with respect thereto, said body portions being disposed between the inner and outer rails, bolt and nut connections having the bolts thereof extending through the pairs of side rails and body portions for rockably mounting the frame on the body portions and for holding the frame in a normal position or any reclined position with respect thereto, and the nuts being engageable with the inner rails and being of the wing type.

2,137,924

WINDOW VENTILATOR

William Schickedanz, Philadelphia, Pa.

Application April 12, 1938, Serial No. 201,573
4 Claims. (Cl. 98—99)



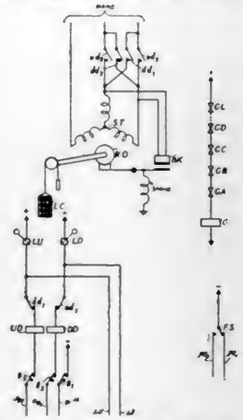
1. A window ventilator comprising a pair of complementary extensible sections, each of said sections having perforations therein, a rotatable closure on each of the sections, each of the closures being formed with openings registrable with the perforations, each of said closures provided with a lateral finger engageable member, one of the sections being formed with a depression in which the finger engageable member of the corresponding closure is disposed and operative to avoid the other section when the latter is slid over the last-mentioned closure.

2,137,925

ELECTRIC SYSTEM OF CONTROL FOR LIFTS

Norman Carol Smart, Coventry, England, assignor to The General Electric Company Limited, London, England

Application November 20, 1936, Serial No. 111,779
In Great Britain November 7, 1935
9 Claims. (Cl. 187—29)



1. In a control system for an electrically operated lift serving a plurality of groups of floors, a plurality of interchangeably similar apparatus groups comprising lift following means, a control relay, a direction relay and call storage relays and cancelling means for each group of floors, a drive motor for the lift, circuit connections arranged to be energized by the control and direction relays of one only of said apparatus groups for operating the motor to drive the lift, circuits arranged to be energized by operation of a call storage relay in one apparatus group for the simultaneous operation of the control and direction relays in all the apparatus groups and means carried by the lift and cooperating with the following means of an apparatus group for energizing the cancelling means associated with an operated call storage relay to cancel the call when the lift reaches the floor of the registered call.

2,137,926

HIGH FREQUENCY ELECTRIC CABLE

Esmond Wassell Smith, Chipstead, John Norman Dean, Westerham, and Fred Mattingley, East Sheen, London, England, assignors to Telegraph Construction & Maintenance Company, Limited, London, England

Application December 24, 1936, Serial No. 117,662
In Great Britain November 14, 1935
11 Claims. (Cl. 173—265)

1. In a high frequency electric cable of the air space insulation type including a conductor, an outer sheath enclosing the conductor and insulation therefor; said insulation comprising a series of washers having edgewise extending slots to receive the conductor and arranged at intervals to support the outer sheath, the washers being mechanically interconnected by means of insulation material interengaging with the slots.



2,137,927

PROCESS FOR OBTAINING METAL COMPOUNDS OF WATER-SOLUBLE KERATIN SPLITTING PRODUCTS

Ernst Sturm and Richard Fleischmann, Berlin, Germany, assignors to Chemische Fabrik Johann A. Wulfing, Berlin, Germany

No Drawing. Application January 28, 1936, Serial No. 61,256. In Germany February 16, 1935
17 Claims. (Cl. 260—113)

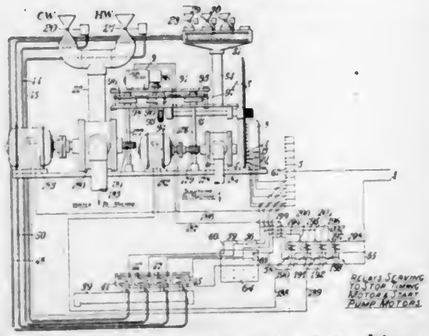
1. A process for obtaining metal compounds from water-soluble keratin degradation products consisting in subjecting keratin material to a non-reducing hydrolysis by treatment with acid to the point of partial solution at least, removing the acid hydrolyzing agent, reducing the hydrolysate to dryness, treating the residue in the presence of water with a water-soluble inorganic salt of a metal selected from the following group of metals: gold, silver, mercury, lead, bismuth and antimony, and isolating the metal keratin compound formed, sufficient metal salt being added for the resulting compound to contain metal to an extent equivalent to at least 5% of silver.

2,137,928

AUTOMATIC CONTROL OF WASHING AND OTHER MACHINES

David Yeo Bartholomew Tanqueray, Peterborough, England, assignor to Baker Perkins Limited, Peterborough, England

Application January 22, 1937, Serial No. 121,914
In Great Britain January 24, 1936
16 Claims. (Cl. 221—101)



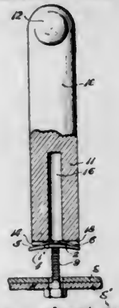
1. In an automatic control for a washing machine or the like for controlling delivery of predetermined quantities of liquid, a rotary control device for initiating and terminating liquid delivery operations, means for driving the control device at a predetermined time rate to initiate a liquid delivery operation, a second means for driving said control device after initiation of a liquid delivery operation at a rate corresponding with the rate of delivery of liquid and means for rendering said first driving means inoperative whilst said second driving means is operative.

2,137,929

TOOL

George A. Tinnerman, Rocky River, Ohio, assignor to Albert H. Tinnerman, Cleveland, Ohio

Application August 31, 1937, Serial No. 161,857
2 Claims. (Cl. 81—3)



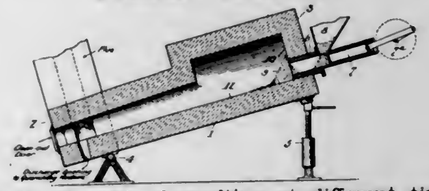
1. For applying a sheet metal nut device having projecting bolt engaging means to fastening engagement on a cooperating bolt or stud, a tool head having a recess extending transversely thereto to provide spaced head elements and having a bore communicating with said recess, the bore being adapted to receive the bolt or stud therein, said head elements forming spaced shoulders straddling said bolt engaging means and being in substantial abutting relation therewith, said recess being of suitable depth to clear said projecting bolt engaging means, whereby said head elements may be fitted to a nut device to engage the base thereof for advancing the same to fastening position on a supported bolt or stud without deforming the bolt engaging means out of most effective engagement with the bolt or stud, said abutting relation of the shoulders of said head elements with the projecting bolt engaging means providing for turning movement of the nut device in such applied fastening position.

2,137,930

PROCESS OF SMELTING ENAMEL

Richard H. Turk, Baltimore, Md., assignor to The Porcelain Enamel and Manufacturing Company of Baltimore, Baltimore, Md., a corporation of Maryland

Application May 14, 1931, Serial No. 537,475
Renewed July 28, 1936
4 Claims. (Cl. 49—77)



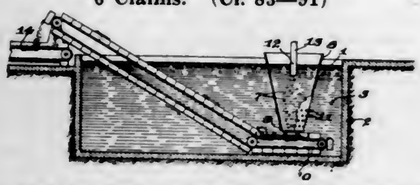
1. In the art of smelting at different times enamels of varying composition and having varying smelting temperatures and periods of smelting in the same smelter having an inclined adjustable hearth, the process of selecting a particular enamel having a definite smelting temperature and period of smelting, feeding said enamel on to the inclined hearth, adjusting the inclination of the hearth to regulate the flow of the enamel over the hearth so that the particular enamel selected will have its normal period of smelting at its correct smelting temperature and will be neither over smelted nor under smelted, removing the enamel from the smelter, then feeding a different enamel having a different period of smelt-

ing on to the inclined hearth, again adjusting the inclination of the hearth to regulate the flow of the enamel over the hearth so that said enamel will have its normal period of smelting at its correct smelting temperature and will be neither over smelted nor under smelted, and removing the enamel from the smelter, said process allowing different enamels having different characteristics as above set forth to be smelted at different times in the same furnace.

2,137,931
METHOD OF AND APPARATUS FOR GRANULATING PORCELAIN ENAMEL AND THE LIKE

Henry E. Craven, Jr., Baltimore, and Frederick K. Knudsen, Govans, Md., assignors to The Porcelain Enamel & Manufacturing Company of Baltimore, Baltimore, Md., a corporation of Maryland

Application June 9, 1936, Serial No. 84,382
6 Claims. (Cl. 83—91)



1. The method of treating molten porcelain enamel comprising feeding the molten enamel to a quenching bath, flowing the quenching bath counter-currently in contact with the enamel, correlating the contact temperature of the quenching medium with the viscosity, temperature and heat-conductivity of the enamel to be quenched, and constantly maintaining said quenching medium at its initial zone of contact with the molten enamel substantially at said correlated temperature during quenching to shatter the enamel and produce a frit of substantially uniform particle size and composition.

4. In a quenching apparatus adapted to treat molten material, a substantially imperforate quenching vessel having a material inlet at the top and a material outlet at the bottom, said vessel being located in a pit and in communication with the pit at its bottom opening and positioned to receive the molten material and trap the latter as it falls in a solidified state through the quenching medium flowing through said vessel, means for removing heated quenching medium from the top of the vessel, means for feeding colder quenching medium to the pit adjacent the lower portion of the vessel, means in the pit adjacent to the bottom outlet of the quenching vessel for continuously removing solidified material from the quenching vessel, and valve means for controlling the inflow of the quenching medium to maintain the flow of quenching medium into the quenching vessel through the bottom opening under a pressure permitting the material to settle from the bottom of the quenching vessel and onto the removal means while preventing the washing of the material from the vessel and the removal means into the pit.

2,137,932
PROCESS FOR TREATING COAL

Oliver M. Urbain and William R. Stemen, Columbus, Ohio, assignors to Charles H. Lewis, Harpster, Ohio

No Drawing. Application October 27, 1934, Serial No. 750,385
8 Claims. (Cl. 252—3)

1. A process for the preparation of a sorptive carbonaceous material for use in water purification which comprises passing gaseous chlorine through powdered coal at a temperature below that at which the chlorine compounds formed decompose, for a time period adequate to form a product rich in combined chlorine, and subsequently effecting hydroxylation by treating with steam thereby improving the sorptive properties of the chlorinated coal.

2,137,933
METHOD FOR TREATING COAL

Oliver M. Urbain and William R. Stemen, Columbus, Ohio, assignors to Charles H. Lewis, Harpster, Ohio

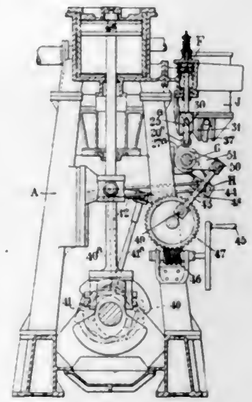
No Drawing. Application May 10, 1935, Serial No. 20,885
4 Claims. (Cl. 252—3)

1. A process for the preparation of a sorptive etherated coal which comprises reacting chlorinated coal with a hydroxy compound selected from the group consisting of aliphatic, cyclic, and aromatic alcohols, recovering the etherated product, and washing with water.

2,137,934
POWER UNIT

William Albert White, Hebburn-on-Tyne, England, assignor to White's Marine Engineering Company, Limited, Hebburn-on-Tyne, England

Application January 17, 1936, Serial No. 59,619
In Great Britain January 18, 1935
1 Claim. (Cl. 60—21)

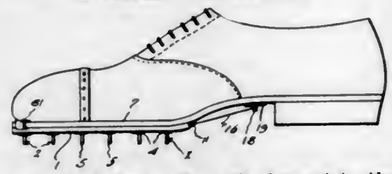


In combination a reciprocating engine and ahead and astern turbine engines receiving exhaust therefrom; ducts admitting auxiliary supplies of live working fluid respectively to said ahead and astern turbine engines; valve means controlling fluid flow through said ducts; means for reversing said reciprocating engine, said means including valve actuating means and a weigh-shaft; cams turning with said weigh-shaft; means operated by said cams for actuating said controlling-valve means automatically in response to certain movements of said weigh-shaft, said controlling-valve actuating means including a swinging link engaged by one of said cams and an abutment operatively disposed in relation thereto, said link being rendered operative when forced against said abutment by said cam and rendered inoperative when swung away from said abutment by said cam.

2,137,935
ANTISKID DEVICE

Paul E. Wimmenauer, Washington, Ind.

Application December 16, 1937, Serial No. 180,253
1 Claim. (Cl. 36—7.7)

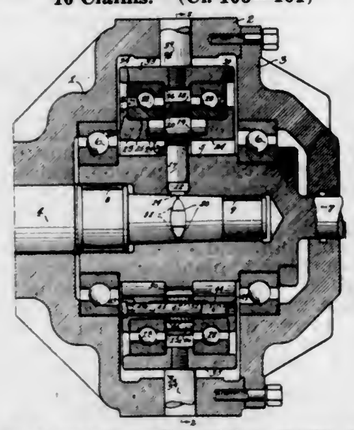


An anti-skid device for attachment to the sole of a shoe comprising an auxiliary half-sole having calks extending from the bottom thereof, a pair of toe clips secured to the toe part of said auxiliary sole to extend therefrom upon opposite sides of said toe part, respectively, and having hooked front ends adapted to take over the toe part of the shoe sole, and means to couple the rear edge of said auxiliary sole to the instep part of the shoe sole, said means exerting a tension rearwardly on said auxiliary sole and comprising a stud secured to said instep part, and a bail-like coupling of resilient wire and bellows form pivoted to the rear edge of said auxiliary sole and hooking over said stud, said coupling lying flat in said instep part to function as an anti-skid device therein.

2,137,936
VARIABLE DISPLACEMENT PUMP OR MOTOR

Elek K. Benedek, Bucyrus, Ohio

Application April 19, 1935, Serial No. 17,312
10 Claims. (Cl. 103—161)



1. In a rotary radial piston pump or motor including a barrel, piston assemblages carried thereby, a reactance rotor, means mounting said rotor for adjustment to different positions wherein the rotor is eccentric to the barrel with its axis parallel to the barrel axis with axially spaced annular portions disposed alongside the opposite sides of the piston assemblages and having annular troughs therein for receiving piston actuating pins included in the said piston assemblages, a radial flange on said barrel received between the said spaced annular portions and having a series of circumferentially spaced circular holes therethrough extending parallel to the barrel axis, coupling elements connected at the ends to the rotor and extending through said holes respectively with their axes parallel to the barrel axis, roller means carried on said elements and coaxial therewith and disposed in said flange holes, and said roller means being smaller in diameter than their associated holes and being so related in size that the roller means are continuously in rolling engagement with the circumferential walls of the holes at the maximum eccentricity of the barrel and rotor for driving the reactance rotor by the barrel, each of said roller means including a set of anti-friction rollers spaced apart slightly for maintaining a capillary oil film therebetween.

2,137,937
AUTOMATIC WINDOW LOCK

Frank Berghoff, La Fayette, Ind.

Application January 25, 1938, Serial No. 186,887
1 Claim. (Cl. 292—261)



An automatic window lock comprising parallel supporting arms, a base connecting said arms and adapted to be secured to a lower sash of a window, a wedge plate carried by said arms and base, said arms having slots and each slot including upwardly inclined and horizontally disposed branches, a pintle operating in said slots, a yieldable roller carried by the pintle to have contact with the wedge plate and an upper sash of the window to effect securing of said sashes against being opened, a lever pivoted on said pintle for moving said pintle into the horizontally disposed branches and thereby effect disengagement of the roller from the upper sash to free said sashes for opening, a reinforcing rib between the wedge plate and the base and having a notch to be engaged by the lever for retaining the pintle in the horizontally disposed branches of the slots.

2,137,938
PRICE TAG HOLDER

William Black, Kings Park, N. Y.

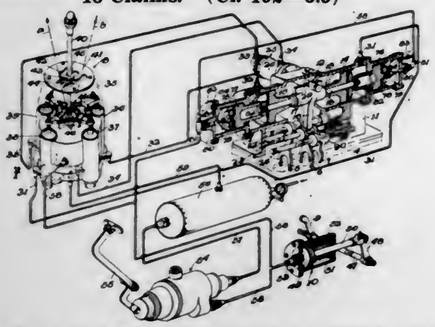
Application February 24, 1938, Serial No. 192,408
3 Claims. (Cl. 40—5)



1. A device of the character described, comprising, a frame having front and rear members, said front member provided with windows for displaying indicia cards mounted within said frame, a door hinged to the rear of said front member for maintaining an indicia card in adjusted position over one of said windows, a spring for normally urging said door towards said front member for clamping said indicia card therebetween in display position, rods swingably mounted on said rear member within said frame, arms pivoted to said rods and adapted to support detachable indicia cards and maintain the same in adjusted position over the other of said windows, said rods swingable to permit said arms to pivot thereon whereby to effect a transposing of said last mentioned cards relative to the respective window, and a latching device securing both of said members together whereby said in-

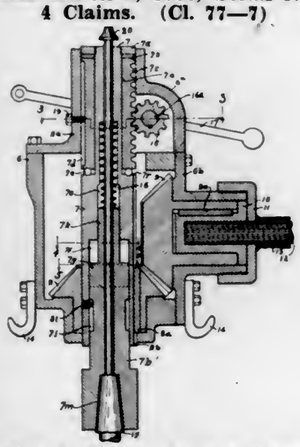
dicia cards are maintained in adjusted position relative to each other against accidental dislodgement.

2,137,939
TRANSMISSION CONTROL MECHANISM
Wilfred A. Eaton, Pittsburgh, Pa., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa., a corporation of Delaware
Application July 17, 1935, Serial No. 31,938
18 Claims. (Cl. 192—3.5)



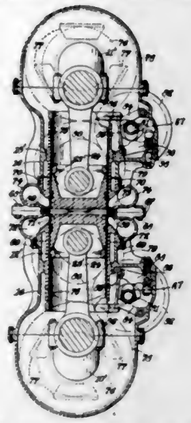
1. In a control mechanism for a vehicle gear-shifting apparatus having a member laterally and longitudinally movable to select and establish a desired gear relation, a pressure-operated device for moving said member laterally, a pressure-operated device for moving said member longitudinally in opposite directions, a reservoir of fluid pressure, a vehicle clutch-controlling element, a power actuator therefor, a valve operable to connect said reservoir and actuator to effect clutch-disengaging movement of the clutch-controlling element, valve means operable to directly connect said reservoir and first device to select a desired gear ratio, valve means operable to connect said second device to said reservoir through said first named valve, whereby said second device is supplied with fluid pressure only when said valve is operated to connect the reservoir and actuator, and a manually-operable control lever mounted for movement in a selective gear-shifting simulating manner for operating said valve means.

2,137,940
CHAIN DRILL
Dewey H. Goodman, Iowa Park, Tex.
Application March 2, 1936, Serial No. 66,746
4 Claims. (Cl. 77—7)



1. A boring tool comprising a frame, a drive shaft mounted therein for rotation and having a limited longitudinal movement therein, drive gearing splined to the drive shaft, a bit stock loosely mounted in the drive shaft and having an independent longitudinal movement therein, a clutch between the bit stock and drive shaft, a spring normally holding the clutch disengaged, a pressure member mounted on the drive shaft, and pressure exerting means for advancing the bit and throwing the clutch into engagement.

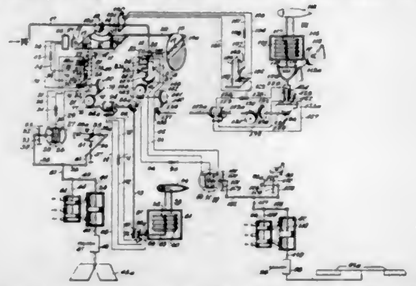
2,137,941
INTERNAL COMBUSTION ENGINE
William Helmore, Cambridge, and Alan Arnold Griffith, South Farnborough, England
Application April 2, 1937, Serial No. 134,608
In Great Britain April 8, 1936
23 Claims. (Cl. 123—51)



11. A variable-compression internal-combustion engine comprising two driving shafts, a plurality of working chambers each having two cylinder portions of equal diameter communicating with one another through a combustion space, a piston in each cylinder portion, which pistons are connected respectively to the two driving shafts, two epicyclic gears each comprising planet-wheels which engage both a gear-wheel on a driving shaft and a reaction gear-wheel and each comprising a planet-wheel carrier, which planet-wheel carriers are gear-connected together and which gearing as a whole is so arranged that the driving shafts rotate the same number of revolutions per minute in opposite directions, a crank arm attached to each reaction gear-wheel, a link pivotally connecting together the two crank arms, the length and angular disposition of which crank arms and link are so selected that upon movement of the link the mechanical advantages of the crank arms on the link vary in a manner to balance the changing difference between the torque reactions transmitted by the reaction gear-wheels.

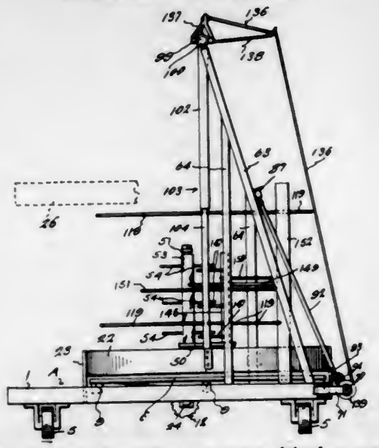
2,137,942
ATTITUDE CONTROL MEANS FOR AIRCRAFT
Paul Eduard Köster, Berlin-Siemensstadt, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application January 28, 1938, Serial No. 187,530
In Germany January 30, 1937
16 Claims. (Cl. 244—76)

1. In apparatus for controlling an artificial horizon and for maintaining a predetermined inclination of an aircraft, a gyroscope, a body displaceably mounted upon said craft, means for controlling the longitudinal inclination of said craft in accordance with the movement of said body relative to said gyroscope, means for precessing said gyroscope when said body moves relative to the apparent vertical, means for displacing said body in response to the air speed, a second body displaceably mounted upon said craft,



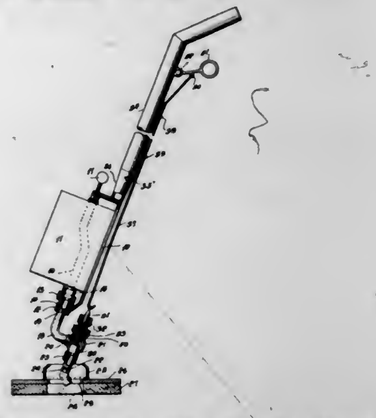
means for controlling the transverse inclination of said craft in accordance with the movement of said second body relative to said gyroscope, means for precessing said gyroscope upon the movement of said craft relative to the apparent vertical, and means for displacing said second body in response to the air speed and the angular velocity of said craft about the vertical axis thereof.

2,137,943
CORN SHOCKER ATTACHMENT FOR BINDERS
Marvin L. Ludwig, Dola, Ohio
Application November 26, 1937, Serial No. 176,752
11 Claims. (Cl. 56—411)



1. A shocker attachment for a binder comprising a frame for attachment to the binder, a turntable on the frame receiving bundles from the binder, means for supporting bundles on different parts of the turntable, means for moving the turntable from the binder, said means including clutch means, means for moving the clutch means into operative position to partly turn the turntable after a certain number of bundles have been placed on a part of the turntable, means for automatically releasing the clutch means when the turntable has moved to a certain point to bring another part of the turntable to bundle receiving position and means for lifting the shock bodily from the turntable and depositing it to one side of the frame.

2,137,944
FLOOR WAXING IMPLEMENT
Malcolm J. MacLeod, Brookline, Mass.
Application April 1, 1937, Serial No. 134,400
2 Claims. (Cl. 91—39)



1. An implement of the class described having an applicator body, a discharge pipe connected thereto, an elbow supply pipe leading to the discharge pipe, a holder from which the supply pipe leads, said discharge pipe and supply pipe being in rigid relation with each other and constituting the sole connection between the holder and applicator body, means to secure a container in the holder with its outlet in communication with said supply pipe, and valve means to control the flow of material through the supply pipe, said valve means including a casing connecting the elbow supply pipe and the discharge pipe, a handle extending from the holder, and operating means for the valve means extending along the holder and the handle.

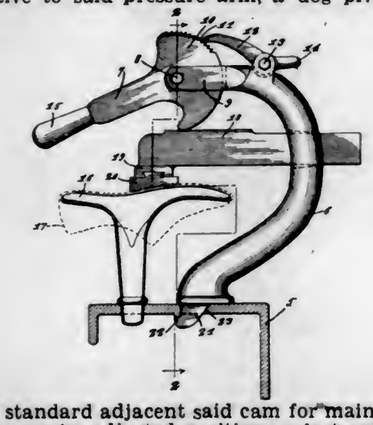
2,137,945
PROCESS FOR PRODUCING TITANIUM STEEL
Walther Mathesius, Berlin-Nikolassee, Germany
No Drawing. Original application March 29, 1935, Serial No. 13,757. Divided and this application January 22, 1937, Serial No. 121,907. In Germany April 7, 1934
4 Claims. (Cl. 75—133)

1. A method of producing titanium steels consisting in covering an iron bath with a slag which is as free as possible from silicic acid and contains titanic acid and lime in the proportion of 70:30, and out of this, by reduction with carbon, introducing titanium into the iron bath in a quantity which is at least sufficient to remove the nitrogen, sulphur and oxygen content in the bath into the slag in the form of titanium compounds and then to convert all the carbon of the iron bath into titanium carbide corresponding to the formula TiC.

2,137,946
SHOE PRESSER
Max W. Miller, Newport, Ky.
Application January 24, 1938, Serial No. 186,686
1 Claim. (Cl. 12—17)

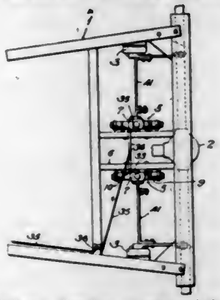
A press of the class described, comprising, a standard of substantially arcuate formation in elevation adapted for detachable mounting on a support member, said standard fashioned intermediate the ends thereof with an opening for receiving one end of a pressure arm, a pressure

arm mounted within said opening and adjustable forwardly and rearwardly relative to said standard and capable of limited vertical rocking movement with relation thereto, a pressure cam pivoted to one of the ends of said standard for contacting and exerting pressure on the upper side of said pressure arm, a lever fashioned to said cam whereby to actuate said cam relative to said pressure arm, a dog pivoted to



said standard adjacent said cam for maintaining said cam in adjusted position, a last subjacent said pressure arm for receiving thereon a shoe, and resilient means secured to the underface of said pressure arm for engagement with said shoe whereby to maintain parts of said shoe under pressure during a cement setting operation when said cam is actuated to pressure applying position relative to said pressure arm.

2,137,947
HYDRAULIC LEVELIZER FOR AUTOMOBILES
Rockford W. Moore, Kansas City, Mo.
Application October 12, 1936, Serial No. 105,303
5 Claims. (Cl. 280—112)

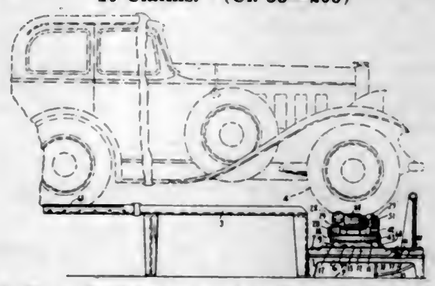


2. A stabilizing device comprising a casting having a fluid chamber, opposed cylinders carried by said casting and in communication with the chamber, opposed spring pressed pistons operating in said cylinders, a shaft journaled in the casting and extending through the chamber, an element secured to said shaft and engaged on opposite sides by the pistons, an axle connecting arm secured to the shaft to receive movements from the axle, said casting having a bypass connecting the cylinders to permit flow of liquid from one cylinder to the other and free movement of the pistons under the influence of the element connected to the shaft, valve means for controlling said bypass said casting having check valve chambers in communication with the bypass, opposed check valves operating in said check valve chambers and alternatingly unseated by said valve means whereby either of said pistons may be restrained by the fluid against movement and the other piston allowed to yield by the movement of the element carried by the shaft.

2,137,948
COMPOUND TO REVIVIFY WOOD
Charles H. Ostrander, Bloomfield, N. J.
No Drawing. Application August 15, 1936, Serial No. 96,310
8 Claims. (Cl. 134—78.6)

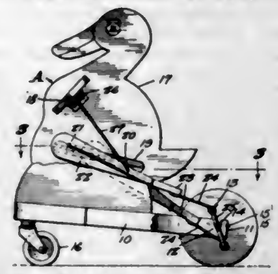
5. A composition of matter to revivify wood, consisting of a dehydrated mixture of mucilage one part, glycerine two parts, and glycol one part.

2,137,949
STEERING WHEEL SUPPORTING DEVICE FOR TESTING APPARATUS
Clyde H. Phelps, Mount Vernon, N. Y., assignor, by mesne assignments, to The Master Electric Company, Dayton, Ohio, a corporation of Ohio
Application January 6, 1933, Serial No. 650,435
10 Claims. (Cl. 33—203)



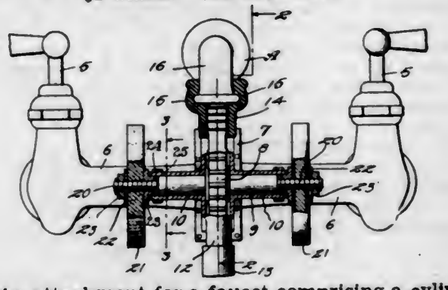
1. In a testing apparatus for vehicle wheels, a stationary base, a support for a steering wheel longitudinally movable thereon with relation to the direction of travel of the vehicle, a runway leading to said support, a latch carried by the base and operable by a movement of the support in a rearward direction to lock the support against longitudinal movement in a forward direction, said latch having an elongated slot between its ends, a pivot pin extending through said slot, a shoulder engageable with a part of the said longitudinally movable support to shift and unbalance the latch to cause it to swing by gravity to engaging position with said longitudinally movable support, said latch having a notch to engage a part of said support to lock the same.

2,137,950
MECHANICAL TOY
William G. Ranney, South Hills, Pa.
Application April 10, 1937, Serial No. 136,185
1 Claim. (Cl. 46—107)



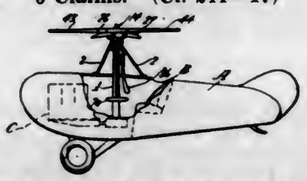
A toy of the character described comprising a chassis having wheels, a cranked axle fitted with said chassis and operated by certain of the wheels, a slab-like body of image formation rising vertically from the chassis and having an elongated opening near the lower edge of the slab extending through opposite sides thereof, flappers on opposite sides of said body and movably connected therewith, pieces at opposite sides of the body and connected with the cranks of said cranked axle for actuation thereby, tracking means confined within the opening in said body and having connection with the said pieces for movably holding the latter relative to the body, and links pivotally connected to the said pieces and flappers for rendering the latter active when the said pieces are in motion.

2,137,951
WATER MOTOR ATTACHMENT FOR FAUCETS
Wilfred O. Roberts, Detroit, Mich.
Application September 27, 1937, Serial No. 166,028
1 Claim. (Cl. 253—136)



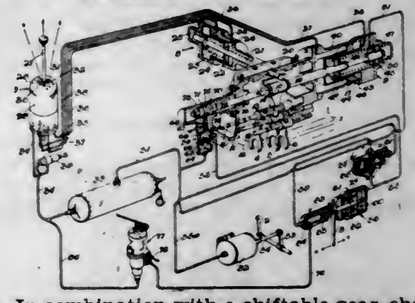
An attachment for a faucet comprising a cylindrical housing having central hub extensions projected laterally and outwardly therefrom, a water-operated wheel within the housing and having an axle fitting said hub extensions, threaded reduced outer ends formed on the axle and extended without the hub extensions, work-engaging elements separably fastened to said reduced ends of said axle for disposition next to the hub extensions, washer-like packings on said reduced ends between the fasteners and the shoulders for effecting watertight joints at the outer ends of the hub extensions, inlet and outlet extensions formed on said housing eccentric to the water-operated wheel, a flexible hose connected to the outlet nipple, an expansible coupling carried by the inlet nipple and detachably engaged with the faucet, and an adjustable brace extending from the housing and saddling the faucet.

2,137,952
AIRPLANE
Walter W. Rothenhoefer, St. Louis, Mo.
Application June 25, 1936, Serial No. 87,146
6 Claims. (Cl. 244—17)



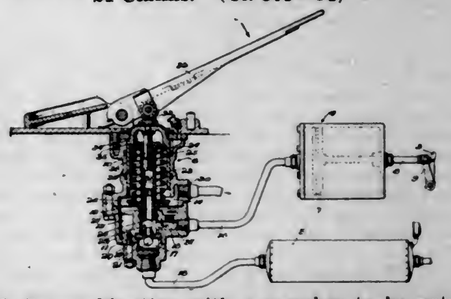
6. In an airplane, a rotor, a plurality of articulated lifting blades extended from the rotor and pivotally joined thereto, means for varying or reversing the pitch of the said blades, shorter stub blades extended from the intermediate the lifting blades, lift panels in the stub blades, means for selectively actuating the lift panels at different points around the orbital path of the blades whereby the lift may be increased to cause gliding flight in any direction, the said stub blades being set at a level so that they have no lift except through action of the lift panels.

2,137,953
CONTROL MECHANISM
Millard C. Rowley, Pittsburgh, Pa., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa., a corporation of Delaware
Application November 4, 1936, Serial No. 109,198
12 Claims. (Cl. 192—3.5)



1. In combination with a shiftable gear-changing element, a forward clutch-operating member, a rear clutch-operating member, and means energized by initial movement of said element in either of opposite directions from a neutral position for operating both said members, said last named means including a single controlling device operated by said element.

2,137,954
VEHICLE CONTROL MECHANISM
Roy S. Sanford, New York, N. Y., and William J. Andres, Pittsburgh, Pa., assignors to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa., a corporation of Delaware
Application March 5, 1936, Serial No. 67,378
21 Claims. (Cl. 303—54)

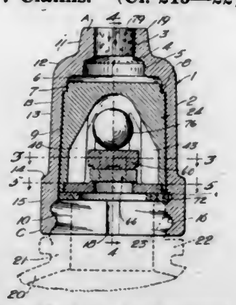


1. In combination with a member to be actuated, a fluid pressure actuator therefor, self-lapping valve means for controlling the flow of fluid pressure to and from said actuator including a pressure-responsive member for lapping said valve means when the pressure therein reaches a predetermined value, manually-operable means for operating said valve means, and means for securing a rapid reversal of flow of fluid pressure to and from said actuator comprising a frictional connection for transmitting a predetermined force between said manually-operable means and said pressure-responsive member.

2,137,955
MANUFACTURE OF ARTIFICIAL CELLULOSE PRODUCTS
Walther Schieber, Berlin, and Walter Harz, Dormagen-I. G. Werk, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application October 8, 1935, Serial No. 44,124. In Germany October 9, 1934
3 Claims. (Cl. 18—54)

1. In the process for the manufacture of artificial products from cuprammonium cellulose solutions according to the stretch-spinning method the step which comprises projecting a cuprammonium cellulose solution into a weakly coagulating aqueous liquid, which effects an initial coagulation but not a final hardening of the product, containing dissolved therein a phosphoric acid compound selected from the group consisting of phosphoric acids in amounts not exceeding 0.3 gm. per liter and water soluble salts thereof in amounts not exceeding 0.5 gm. per liter.

2,137,956
NONREFILLABLE ATTACHMENT
Jacob W. Schieber, Scranton, Pa.
Application November 1, 1937, Serial No. 172,289
7 Claims. (Cl. 215—22)

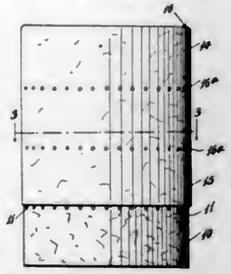


1. In a non-refillable attachment for containers and of that type including a combined coupling, holding and spout member of sleeve-like form adapted to be connected at its inner end to the outlet of the container, the combination of a combined valve housing, an intake and fluid conducting off element closed at its outer end, open at its inner end and adapted to be positioned within, to open into and to have said end thereof abut aligned parts of the inner face of said member, said element being formed of a solid outer part of substantially rectangular contour, an annular inner part of uniform inner and outer diameters and a hollow intermediate part, said intermediate part having one pair of the opposed sides thereof formed with flat outer surfaces disposed at opposite inward inclinations from said inner part to said outer part, said element being provided lengthwise thereof diametrically opposed slots positioned in said inclined surfaces and inner part and extending from a point removed from said outer part to a point removed from the inner end of said inner part, a pair of oppositely disposed spaced sets of spaced webs integral with and lengthwise of aligned portions of the inner face of said element, said inner part having its inner face rabbetted rearwardly of said ribs, an annular sealing gasket for seating on the outlet of the container and against the inner end of said element, an annular valve seat forming member extending into said rabbet and seating on said gasket, an inner valve coacting with said valve seat for closing said element to the container, said valve being arranged between the inner webs of said sets and slidably confined by the outer webs of said sets, an outer valve for seating on the inner valve arranged between the inner webs of said sets and slidably confined by the outer webs of the sets, and a weighting means for seating on said outer valve arranged between the inner webs of said sets and slidably confined by the outer webs of the sets.

2,137,957
ALKALINE EARTH METAL DOUBLE SALTS OF ORGANIC ACIDS AND METHOD OF PRODUCING SAME
Herman Seydel, Jersey City, and Albert H. Reiners, Cranford, N. J., assignors to Seydel Chemical Company, Jersey City, N. J., a corporation
No Drawing. Application October 11, 1934, Serial No. 747,984
27 Claims. (Cl. 260—471)

27. A therapeutic product consisting of the double salt of a metal selected from a group consisting of calcium, magnesium, and strontium, combined with a monoester selected from a group consisting of the short chain alkyl and aralkyl esters of dibasic aliphatic acids, and an acidic radical derived and selected from a group consisting of the mononuclear monobasic aromatic acids and the alkyl and aralkyl esters of mononuclear monobasic hydroxy aromatic acids.

2,137,958
PAPER MOP
Alfred C. Stepan, Brenham, Tex.
Application September 17, 1936, Serial No. 101,313
2 Claims. (Cl. 15—225)

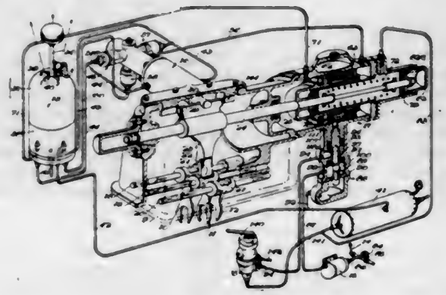


1. A mop of the class described comprising a roll of elongated sheet material rolled in the direction of its greatest length, said sheet material having lines of perforations longitudinally thereof whereby they will be arranged at different heights in the mop, to permit removal of cylindrical portions of the mop as they become ineffective, and means on the rolled sheet above the uppermost perforations operating to maintain the sheet in rolled form, said sheet being of paper, and a cylindrical cover about the mop, said cover being in separable portions to enable its gradual removal corresponding to the removal of portions of the mop.

2,137,959
GEAR SHIFTING MECHANISM
Thomas J. Turek, Pittsburgh, Pa., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa., a corporation of Delaware
Application January 3, 1936, Serial No. 57,412
12 Claims. (Cl. 192—3.5)

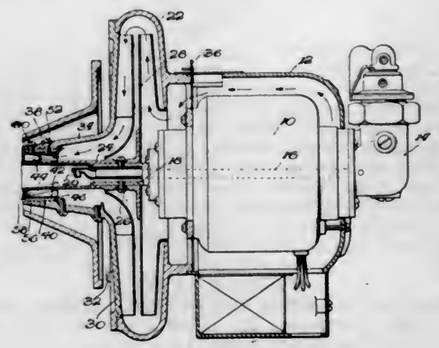
1. In combination with a vehicle clutch-controlling member and a shiftable gear-changing

element, a fluid motor for actuating said member, a fluid actuator including a piston for shifting said element, means for supplying actuating fluid



to said actuator to shift said piston and element to establish a desired gear relation, and means directly operated by said piston for controlling the flow of actuating fluid to said motor.

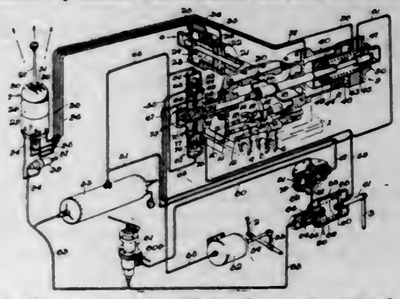
2,137,960
OIL BURNER
Rene M. Vidalie, Port Washington, N. Y., assignor to Preferred Utilities Company, Inc., New York, N. Y., a corporation of Delaware
Application April 1, 1936, Serial No. 72,183
4 Claims. (Cl. 158—77)



1. In an oil burner the combination of a centrally disposed rotary atomizing cup, means for feeding oil to the interior of said cup, an open ended casing surrounding said cup and forming therewith an annular air passage surrounding the same but terminating short of the oil discharge end of the cup, an internally rifled bushing detachably secured to said casing adjacent the air discharge end thereof and extending therebeyond, and a nozzle detachably secured to the extending part of said bushing.

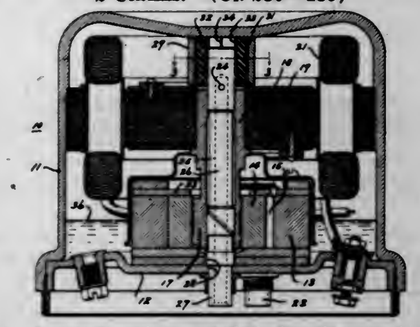
2,137,961
CONTROL MECHANISM
Stephen Vorech, Pittsburgh, Pa., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa., a corporation of Delaware
Application November 4, 1936, Serial No. 109,197
14 Claims. (Cl. 192—3.5)

1. In combination with a shiftable gear-changing element, a forward clutch-operating member, a rear clutch-operating member, and means energized by initial movement of said element in



either of opposite directions from a neutral position for operating both said members.

2,137,962
REFRIGERATING APPARATUS
George F. Weiher, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application July 3, 1936, Serial No. 88,810
2 Claims. (Cl. 230—139)

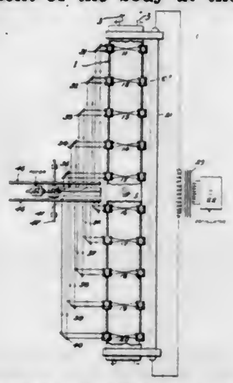


1. A unit forming a sealed chamber containing an operating element, said unit comprising a base plate member having means rigidly secured thereto and extending upwardly therefrom for supporting the operating element, said base plate member also having a peripheral finished surface adapted to be engaged by a closure member, said operating element supporting means and said peripheral finished surface of said base plate member being fixed relative to one another, a dome-shaped closure member having a mounting portion formed on its inner surface integral therewith for receiving the end of said operating element supporting means, said closure member also having a finished surface adapted to conform to and fit over the peripheral finished surface on said base plate member, and said mounting portion of said closure member including a yieldable means to compensate for variations in alignment thereof with said operating element supporting means to permit the finished surfaces of said members to be brought into registration.

2,137,963
GRAVIMETER
Carl A. Heiland, Golden, Colo., assignor to Heiland Research Corporation, Denver, Colo., a corporation of Colorado
Application October 22, 1935, Serial No. 46,189
10 Claims. (Cl. 265—1.4)

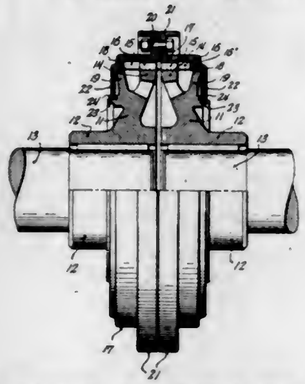
1. In an instrument for measuring gravity, a normally vertically positioned tube reversible in

positions about a horizontal axis, a fall body within the tube, a device in each end of the tube for releasably holding the fall body at the uppermost end of the tube, and for arresting the falling movement of the body at the lower end of



the tube, means for operating the devices to release the body at the upper end, and to hold the body at the lower end after its motion has been arrested and during reversal of the tube position, and means for observing the rate of fall of the body from the upper to the lower end of the tube.

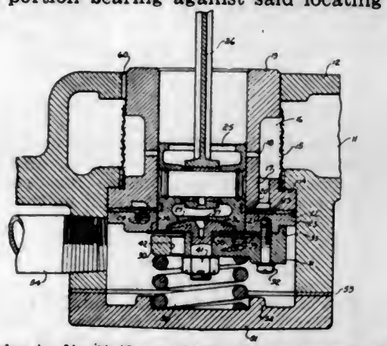
2,137,964
COUPLING
James B. Kelley and Walter P. Schmitter, Milwaukee, Wis., assignors to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application May 12, 1937, Serial No. 142,121
8 Claims. (Cl. 64—15)



1. A coupling comprising a pair of coupling disks having slotted portions, a lubricant retainer housing surrounding said disks and tiltable relative to both of them, a series of torque transmitting members engaged in said slotted portions and confined by said housing to tilt therewith, and means supporting said housing at points disposed axially beyond said slotted portions to sustain said housing clear of said slotted portions.

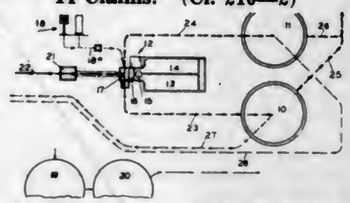
2,137,965
COMPRESSOR
Charles R. Neeson, Dayton, Ohio, assignor, by mesne assignments, to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application May 29, 1937, Serial No. 145,589
1 Claim. (Cl. 230—230)

In a compressor having discharge and suction passages and a piston, the combination of a cylindrical sleeve fitting an opening in the compressor and forming a part of the cylinder in which the piston operates, said sleeve being provided with suction ports through which gas may enter the cylinder space and having an end face provided with a suction valve seat beyond which the piston travels at the end of its compression stroke, an annular suction valve seated upon said valve seat, an annular locating ring concentrically surrounding said suction valve and having greater thickness than said suction valve, a discharge valve assembly comprising a movable safety head carrying a discharge valve, said safety head including a portion bearing against said locating ring



whereby to limit the extent of movement of said suction valve, said portion snugly fitting the compressor at its outer diameter and forming an extension of the cylinder wall at its inner diameter whereby to separate the discharge and suction passages at all times and to guide the safety head during movement thereof to relieve excess pressures within the cylinder, said safety head also including a rounded, mushroom-shaped member extending axially into the cylinder space and said piston being provided with a concavity closely receiving said member at the end of the compression stroke, and a spider connecting said mushroom-shaped member to said guiding portion and forming therewith a discharge valve seat.

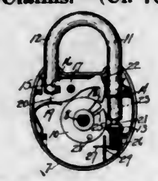
2,137,966
SEWAGE SYSTEM
Renville S. Rankin, Chicago, Ill., assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware
Application March 12, 1935, Serial No. 10,660
14 Claims. (Cl. 210—2)



1. A clarification system for the removal of suspended solids from flowing liquids, and equipped for conditioning of the liquid preparatory to sedimentation, which system comprises a raw liquid supply, a pair of clarifiers substantially arranged at an elevation for parallel operation, means for selectively conducting liquid from said raw liquid supply to said clarifiers so that under one set of selected conditions the clarifiers are arranged in parallel and so that under another set of selected conditions said clarifiers are arranged in series whereby they function as associated primary and

secondary clarifiers, said means comprising a mixing section arranged to receive liquid obtained from said raw liquid supply and wherein the liquid received therein can be subjected to a conditioning operation, and a mixing device in said mixing section, which said device includes impeller means surrounded by the walls of said mixing section in a manner to substantially form a housing for the impeller means, said impeller means being effective to boost the hydraulic head of the liquid passing through said mixing section, said means when arranged for series operation being arranged to have said mixing chamber interposed between the primary and the secondary clarifier to effect efficient mixing of any added conditioning material and of the primary clarifier overflow at a place ahead of the secondary clarifier, said mixing device also being effective to supply sufficient hydraulic head to ensure the transfer of liquid from the primary to the secondary clarifier.

2,137,967
LOCK
Elmer B. Stone, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a corporation of Connecticut
Application March 25, 1932, Serial No. 601,202
10 Claims. (Cl. 70—25)



1. A lock including a case, locking mechanism located within the case and including a shackle having a short leg to enter an opening in the case, a locking lever comprising a part of said locking mechanism movably mounted in the case and engageable with said leg for operation thereby and to hold it in locked position, and interengageable means upon said lever and shackle, after movement of the latter from its locking position, to prevent locking movement thereof before it is positioned for entry of said short leg into its opening in the case.

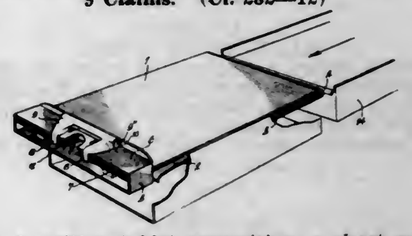
2,137,968
COATED IRON ARTICLE
Robert R. Tanner, Detroit, Mich., assignor, by mesne assignments, to Parker Rust-Proof Company
No Drawing. Original application March 27, 1933, Serial No. 663,002. Divided and this application July 30, 1938, Serial No. 222,221
4 Claims. (Cl. 148—6.5)

1. An article having a surface of iron or steel coated with a fine grained, strongly adherent coating formed integrally in situ on said surface, at least the major portion of said coating being oxalate having a composition corresponding approximately to the formula FeC_2O_4.

2,137,969
ARTICLE OF MANUFACTURE
Raymond Einnon Thomas, Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 2, 1937, Serial No. 134,579
6 Claims. (Cl. 91—68)

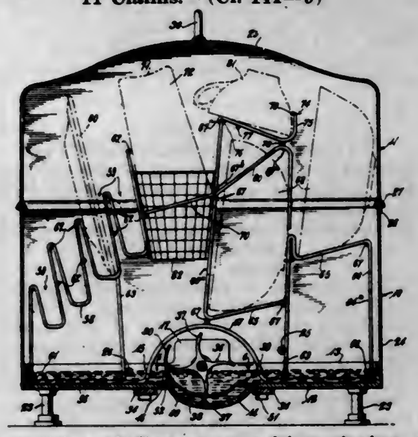
1. The process which comprises coating one side of a fabric with a water-proof coating composition, embossing the coated fabric, wetting out the embossed coated fabric, drying the wetted-out embossed coated fabric in the absence of substantial tension in an unwrinkled form and coating the uncoated side of the dry wetted-out embossed coated fabric with a pressure-sensitive adhesive.

2,137,970
WRITING TABLET
Harry J. Waechter, Mount Healthy, Ohio, assignor to Paul Benninghofen and Fritz G. Diesbach, trustees, Hamilton, Ohio
Application October 5, 1937, Serial No. 167,424
9 Claims. (Cl. 282—12)



1. A writing tablet comprising, a sheet metal platen over which continuous form stationery may be drawn and having a return extension spaced from and underlying the platen and joining therewith at the receiving end to provide a record sheet storage department accessible from the delivering end of the platen, register pins at the delivery end of the platen mounted for engagement with and withdrawal from apertures in the stationery and arrest the advance thereof over the platen, and means in parallel with the platen, depressible by the thumb of the operator when in the act of grasping the leading end of the stationery for extraction, for expressing the register pins from the apertures and be released upon advancing the stationery.

2,137,971
APPARATUS FOR WASHING DISHES, SILVERWARE, AND THE LIKE
Donald E. Yochem, Columbus, Ohio
Application April 3, 1937, Serial No. 134,911
11 Claims. (Cl. 141—9)



1. A dish and silverware washing, rinsing, and drying machine comprising a housing having a shallow trough in the bottom wall thereof, an impeller shaft journaled in the housing above said

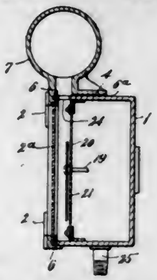
trough, a series of axially spaced impeller wheels having longitudinally curved blades fixed to said shaft, the blades being of proper length to dip into said trough, a fixed deflector blade extending transversely of the trough between each adjacent pair of impeller wheels and terminating in an upwardly curved end portion at the discharge side of the impeller wheels, means for supplying the housing with a treatment fluid to a level below the impeller shaft, and means for rotating said impeller wheels at high speed to cause fluid from the bottom of the housing to be expelled at high velocity and in a finely atomized condition from the ends of the impeller blades and the upwardly curved ends of the deflector blades.

2,137,972

ILLUMINATED GAUGE

Harry S. Baker, Arlington, and Joseph W. Motherwell, Melrose, Mass., assignors to The Ashton Valve Company, Cambridge, Mass., a corporation of Massachusetts

Application May 7, 1936, Serial No. 78,358
3 Claims. (Cl. 240—2.1)



1. A device of the class described, comprising a casing having an open front, a dial carried by said casing back of said front, a face cover for closing said open front spaced from said dial, said face cover having a lamp housing at the top and a rim portion surrounding said open front and overlying the side and bottom walls of said casing a relatively short distance, the top of said rim portion being rearwardly extended a substantial distance from said lamp housing, a gasket between said extended rim portion and said casing, and means for clamping said face cover downwardly to effect a tight gasketed joint between said casing and face cover, said lamp housing and casing having registering openings for passage of light from said lamp housing to said dial.

2,137,973

CORN CONVERSION PROCESS

Raymond E. Daly and James F. Walsh, Chicago, Ill., assignors to American Maize-Products Company, a corporation of Maine

No Drawing. Application August 4, 1937, Serial No. 157,280
4 Claims. (Cl. 127—38)

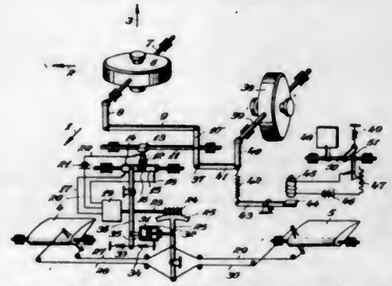
1. The process of producing corn starch conversion products which comprises treating corn to produce a water suspension of fine starch and protein matter substantially in the form known as mill-house starch, effecting conversion of the starch by adding hydrochloric acid in the proportion of about 160 pounds of concentrated acid to 1950 gallons of 12° Bé. suspension of the starch, treating for from 12 to 15 minutes at a steam pressure of from 20 to 35 pounds and thereby effecting a conversion of the starch and at the same time effecting conversion of some of the insoluble protein into soluble form; thereupon neutralizing to approximately the isoelectric point to coagulate insoluble proteins and some of the soluble protein and filtering out said coagulum.

2,137,974

AILERON CONTROL FOR AIRPLANES

Eduard Fischel, Berlin-Tempelhof, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany

Application September 9, 1936, Serial No. 99,967
In Germany September 13, 1935
14 Claims. (Cl. 244—79)



1. An aileron control for airplanes having means connected to the ailerons for producing a roll control moment responsive solely to plane inclinations about its longitudinal axis irrespective of any lateral drift displacement of the plane, and means connected to the ailerons and responsive to lateral turns of the plane axis from the direction of flight, for producing an additional and corrective roll control moment in accordance with the desired curvature of the flight path.

2,137,975

PROCESS FOR PRODUCING ASPHALT EMULSIONS

Ross J. Garofalo, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California

No Drawing. Application March 31, 1936, Serial No. 71,924
8 Claims. (Cl. 134—1)

3. A process for the production of an asphalt emulsion of the oil-in-water type by the use of an aqueous solution containing caustic alkali only as the emulsifying agent which comprises emulsifying with an aqueous solution containing only caustic alkali, an asphalt which has been separated from an oil containing the same by precipitation with an asphalt precipitating agent, which oil is incapable of yielding an asphalt of the same grade by distillation which is capable of being emulsified with an aqueous solution containing caustic alkali only.

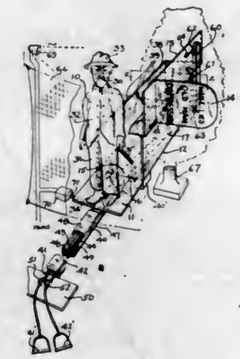
2,137,976

AMUSEMENT APPARATUS

Harry Stephen Hopkins, Elmsford, N. Y., assignor of one-half to Robert Harding, Jr., New York, N. Y.

Application October 29, 1936, Serial No. 108,167
10 Claims. (Cl. 273—102.1)

1. An amusement device comprising a figure, means to maintain the figure in a state of balance in an upright position whereby it may be knocked out of balance when struck by a missile, means to receive said figure when it is so knocked out of balance, a cover for said receiving means, means independent of said figure to maintain said cover in an open position when said figure is in its raised position, and means to automatically release said last mentioned means so as to close said cover and conceal said figure from view after it has been received.

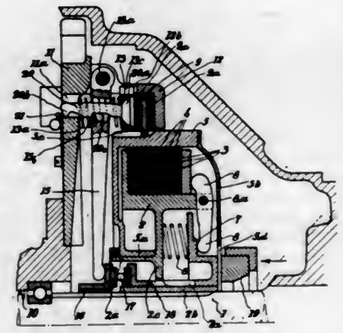


2,137,977

LAMINATED DISK CLUTCH

Hans Kattwinkel, Radebeul, Germany

Application May 19, 1937, Serial No. 143,582
In Germany May 22, 1936
21 Claims. (Cl. 192—48)



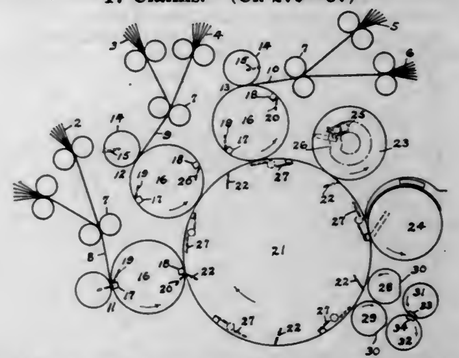
1. In a clutch mechanism especially for automobile vehicles having toothed-wheel change-speed gearing, the combination of a rotatable driving member and a rotatable driven member with a main clutch of the multiple disk type, comprising two sets of co-operating clutch disks, a carrier for one of said sets of clutch disks fixed to one of said rotatable members, a carrier for the other set of clutch disks arranged to coact with the other rotatable member and loosely rotatable with respect to both the rotatable members, both of said carriers being substantially non-shiftable in an axial direction, an auxiliary friction clutch between said loosely rotatable carrier and the rotatable member with which it is arranged to coact and clutch actuating means for said main and auxiliary clutches arranged to open the main clutch before the auxiliary clutch and to close the main clutch after the auxiliary clutch.

2,137,978

CUTTING, FOLDING, AND STAPLING MECHANISM FOR USE WITH PRINTING MACHINES

Thomas Joseph Mills and Cecil George Quick, London, England, assignors to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Application March 26, 1936, Serial No. 70,948
In Great Britain April 8, 1935
17 Claims. (Cl. 270—37)



1. In a mechanism to cut a plurality of sheets from a plurality of webs and staple them together, cutting cylinders each arranged to cut a determined number of webs into sheets, means to collect all of the sheets cut by said cutting cylinders, a stapling mechanism for stapling together the plurality of sheets collected, and a device operating to perforate at least some of the sheets in the stapling zone before the sheets are operated on by the stapling mechanism, and means to fold the sheets after they are stapled.

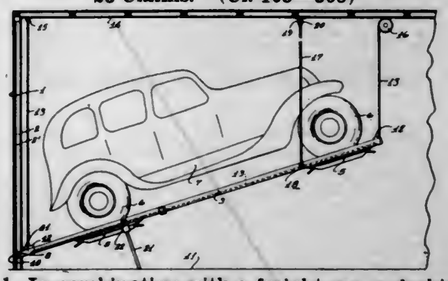
17. The method of forming a folded stapled product which consists in perforating at least some of the sheets, to be stapled in the zone at which a staple is to be inserted and thereafter inserting a staple through the perforation, then folding the stapled product lengths, and then flattening the folded over edge of the product.

2,137,979

AUTOMOBILE DECKING DEVICE

Lawson H. Cooper, Flint, Mich., assignor to Carl W. Bonbright, Flint, Mich., as trustee

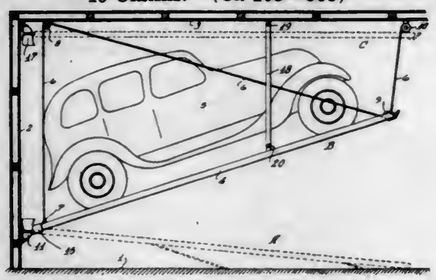
Application April 4, 1934, Serial No. 718,923
23 Claims. (Cl. 105—368)



1. In combination with a freight car, a decking device adapted to support an automobile, guides mounted in a wall of said car and adapted to receive one end of said decking device, means for moving said decking device vertically, and releasable catch elements associated with said guide and automatically functioning after a predetermined vertical movement of said decking device to hold one end of said decking device stationary,

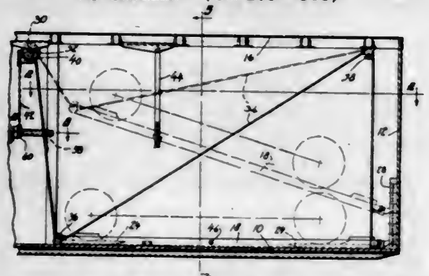
said catch elements when holding said end of the decking device forming a pivotal connection about which the device may be swung to assume an angular position.

2,137,980
AUTOMOBILE DECKING DEVICE
William J. Nightingale, Flint, Mich., assignor to Carl W. Bonbright as trustee, Flint, Mich.
Application December 20, 1934, Serial No. 758,377
19 Claims. (Cl. 105—368)



1. The combination with a transporting vehicle having a wall, a platform adapted to receive an automobile, means for elevating said platform, and a pivotal connection between the end of said platform and said wall, a member on said platform engageable with said pivotal connection to lock the end of the platform therein, said connection adapted to automatically release said member upon a predetermined amount of pivotal movement of said platform whereby said elevating means causes vertical movement of the released end of said platform.

2,137,981
AUTOMOBILE LOADING DEVICE
William J. Nightingale, Flint, Mich., assignor to Carl W. Bonbright, trustee, Flint, Mich.
Application February 29, 1936, Serial No. 66,373
16 Claims. (Cl. 105—368)



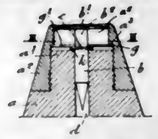
1. In combination with a freight car having an automobile decking device therein, mechanism for adjustably securing one end of said device to an end wall of said freight car comprising a vertical channeled guideway secured to the end wall and having a vertical slot of less width than the channel of the guideway, said decking device having a part extending through said slot and provided with a laterally extending member carrying rollers adapted to bear upon the inner under surfaces of said channeled guideway, said guideway provided with a plurality of vertically spaced aligned holes, an annular shaped member carried by said part and depending therebelow to present an aperture opposite any one of said aligned holes in said guideway, and a bolt removably receivable through said holes and said annular shaped member adapted to bear against said rollers forming a bearing surface about which the rollers may roll to provide a fulcrum for pivoting said decking device to the end wall of the freight car.

2,137,982
DRIVEWAY RAKE
Robert E. Peak, Berlin, Conn.
Application January 4, 1937, Serial No. 118,956
10 Claims. (Cl. 55—128)



1. A driveway rake for broken stone surfaced driveways comprising triangularly disposed operatively connected rake heads, having a draft connection at its apex, and spreading and smoothing teeth, and said rake including means out of contact with the driveway for sinking said teeth on said triangularly disposed rake heads into the light surface stone of a driveway while maintaining the same above the underlying base material of the driveway.

2,137,983
PERCUSSION FUSE FOR PROJECTILES
Léon Emile Rémondy, Paris, France
Application December 4, 1935, Serial No. 52,914
In France January 29, 1935
8 Claims. (Cl. 102—39)

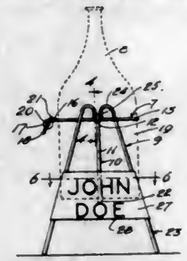


1. In a percussion fuse for projectiles of the sensitive type adapted to operate by the driving in of the striker upon impact, a fuse body having formed in the forward end thereof an open ended chamber, a striker member having an enlarged head housed in said chamber adjacent the open end thereof and a stem extending into and guided by an axial passageway formed in said fuse body, a shoulder fixed with respect to said fuse body, a collar element formed integrally with said striker stem and resting upon said shoulder so as to normally prevent inward movement of said striker member relative to said fuse body, said collar element being so constructed as to resist without fracture the static stresses produced upon firing of the projectile due to the inertia of the striker member but to shear easily from the striker stem under the effect of even relatively slight dynamic stresses produced upon impact, a striker restraining member positioned within said chamber beneath said enlarged striker head and engaging the outer surface of said collar element, said member having a radially extending opening therein to receive said striker stem, and means for fixing said striker restraining member with respect to the fuse body so as to prevent movement of said striker member outwardly through the open end of said chamber.

2,137,984
UNIVERSAL DISPENSING HOLDER
Joseph A. Rumore, Chicago, Ill., assignor of one-half to Henry Herout, Cicero, Ill.
Application March 10, 1938, Serial No. 195,190
1 Claim. (Cl. 248—141)

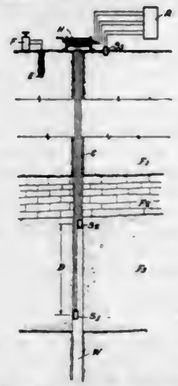
In a holder for the purpose set forth, an open top support including a pair of skeleton tapered

sides of like form closed at their tops and open at their bottoms, each side being formed centrally of its top with a depending vertically disposed U-shaped part forming a combined hanger and seat, an upstanding yoke-shaped suspender for receiving and sustaining a container from the bottom of the latter, said suspender depending into said support and being formed at the upper end of its sides with oppositely disposed laterally directed upstanding downwardly opening substantially semi-oval shaped extensions forming



pivots passing through, seating on and depending from the lower ends of said parts for removably and revolubly supporting the suspender relative to and in suspended relation with respect to the open top of said support, an adjustable horizontally disposed annulus for encompassing the container integral at diametrically opposed points with the inner face of the sides of the suspender, and said extensions and parts having coacting portions for coupling the suspender to said sides and to prevent the open top of the support spreading.

2,137,985
SEISMIC WELL LOGGING
Henry Salvatori, Hollywood, Calif., assignor, by mesne assignments, to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application July 9, 1937, Serial No. 152,748
6 Claims. (Cl. 181—0.5)



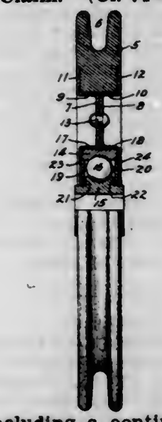
1. A method of logging a well by means of seismic waves comprising disposing a group of at least two vertically spaced seismic wave detectors in a well, the spacing between adjacent detectors being not substantially greater than the thickness of individual major geologic beds traversed by said well, generating seismic waves at a point substantially vertically aligned with said detectors, recording the times of arrival of seismic waves at each of said detectors on a common record in a single operation, determining the differences between said arrival times and preparing therefrom a seismic log of said well yielding information concerning abrupt changes in the lithologic character of the geologic formations opposite said detectors.

2,137,986
METHOD OF MAKING A COMPOSITE ABRASIVE WHEEL
Baalis Sanford, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application January 12, 1937, Serial No. 120,276
3 Claims. (Cl. 51—278)



1. The method of making a composite abrasive wheel comprising the steps of premolding a heat settable compound to form a central support having substantially its final volume, providing a mixture of abrasive grains and a heat settable plastic bond proportioned in amount to form an abrasive rim of required width and the same thickness as the central support when compacted to its final density, confining the support within a mold which provides walls defining a mold cavity around the support which is higher than the thickness of the support and will hold the precalculated amount of abrasive and bond, and then compressing the abrasive and bond laterally until it attains the same thickness as the support and is united therewith, but without applying pressure directly to the support, after which the wheel is heated to set the bond to its final solid condition.

2,137,987
PULLEY
John W. Smith, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut
Application February 11, 1936, Serial No. 63,348
1 Claim. (Cl. 74—230.7)



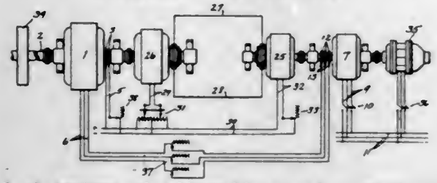
A pulley including a continuous annular rim member formed of molded material of the general character of Bakelite substantially homogeneous throughout and having a peripheral groove therein, a pair of annular metal side plates embracing opposite sides of said rim member for reinforcing and holding the same both axially and radially, an anti-friction bearing including outer

and inner bearing rings with interposed anti-friction bearing members, the outer ring of said anti-friction bearing being mounted and held centrally of and between said metal side plates and free of said annular rim member.

2,137,988
ADHERENT ALUMINUM COMPOUND
Charles H. Hempel, Manitowoc, Wis., assignor to Heresite & Chemical Company
No Drawing. Application October 21, 1936, Serial No. 106,901
6 Claims. (Cl. 148—6)

2. The method of treating a metal of the class consisting of aluminum and predominantly aluminum alloys to produce an adherent surface thereon, which comprises cleaning a surface of the metal, subjecting the cleaned surface to a halide acid to produce a dark film thereon, removing the film therefrom with caustic alkali solution and thereafter subjecting the surface to a nitric acid bath to produce a whitened surface.

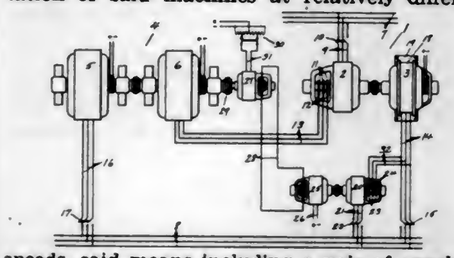
2,137,989
ADJUSTABLE SPEED CONTROL
Allen M. Rossman, Wilmette, Ill.
Application July 1, 1935, Serial No. 29,190
6 Claims. (Cl. 172—274)



1. A system of adjustable speed control comprising in combination, a synchronous machine having an armature winding, a source of power, a wound rotor type induction machine having a primary winding connected to said source of power and a secondary winding connected to said armature winding, a first direct current machine coupled to said induction machine, a second direct current machine coupled to said synchronous machine, each of said direct current machines having an armature winding, said direct current armature windings being connected in series, and means comprising field control means associated with said second direct current machine, for controlling the speed of said first direct current machine over a continuous range from a maximum speed of rotation in one direction, through zero speed, to a maximum speed of rotation in the opposite direction, to adjust the frequency of the energy in said synchronous machine winding from a value less than the frequency of the source of power to a value greater than that of the source of power.

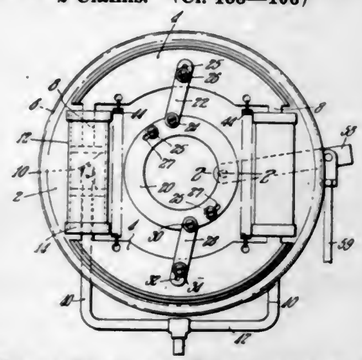
2,137,990
FREQUENCY CONVERTER
Allen M. Rossman, Wilmette, Ill.
Application January 17, 1936, Serial No. 59,556
18 Claims. (Cl. 172—281)

1. Apparatus for transferring energy between two electrical power systems of different frequencies, said apparatus comprising in combination, a pair of alternating current machines connected electrically in series, conductors for connecting said series connected machines to one of said power systems, the frequency of alternation of the resultant voltage generated by said machines at said conductors being equal to the sum of the frequencies generated by the respective machines, and means for fixing the rotation of said machines at relatively different



speeds, said means including a pair of synchronous type machines coupled to said alternating current machines, respectively, and connected electrically to the other of said power systems.

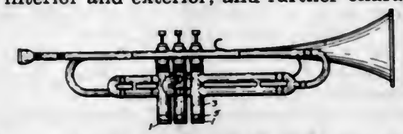
2,137,991
BRAKE
Moses La Londe, Springfield, Mass.; assignor of five-sixteenths to Patrick Haggerty, five-sixteenths to John J. Bannon, and five-sixteenths to Harry Bradt; Charles V. Ryan, Jr., administrator of said Moses La Londe, deceased
Application September 7, 1937, Serial No. 162,596
2 Claims. (Cl. 188—106)



1. The combination with a support and relatively rotatable brake drum of braking means comprising, separate similar drum engaging brake elements, a pair of cylinders on said support spaced apart and disposed between opposite ends of said elements, pistons in said cylinders, connections between the end of each element and a piston, a rotatable member guided for rotation on said support between said elements and cylinders, actuating members, pivotal connections between said rotatable member and one end of said actuating members, slidable and pivotal connections between said actuating members and elements, and means to rotate said rotatable member, all adapted and arranged whereby said elements may be moved relatively and simultaneously outward into braking positions by said pistons without rotation of said rotatable member or said elements may be moved outwardly by rotation of said rotatable member.

2,137,992
MUSICAL INSTRUMENT VALVE DRIP CUP
Anthony Natoli, Elmhurst, N. Y.
Application October 14, 1937, Serial No. 168,950
1 Claim. (Cl. 84—397)

In a wind instrument of the type having vertically positioned valve casings with the lower ends closed by removable screw caps, said caps characterized by enlarged portions extending downward below the lower ends of the said valve casings, forming reservoirs therein, and also by projections, with openings therethrough extending into the interior of said caps, with the openings providing communicating means between the interior and exterior, and further character-



ized in that the said openings open into the interior at a point considerably above the lower ends of the caps, preventing normal drainage from the caps until the elevation of fluid therein reaches a predetermined level, and then permitting only slow drainage as a warning that the reservoir is full, said caps with the reservoirs therein being readily removable for cleaning the said reservoirs.

2,137,993
SYNTHETIC ORGANIC MATERIAL AND PROCESS OF MAKING THE SAME
Allen D. Whipple, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill., a corporation of Illinois
No Drawing. Application August 20, 1931, Serial No. 558,328
3 Claims. (Cl. 260—8)

1. The process of producing a synthetic product, which consists in subjecting a mixture of substantially one molecule of an aromatic polycarboxylic acid and substantially one molecule of ethylene glycol, to a temperature of substantially 130 degrees centigrade, and continuing the process until the product is fusible and water-resistant.

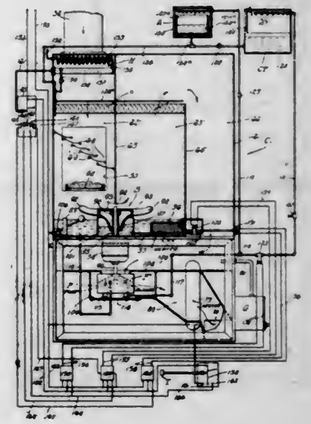
2,137,994
ORGANIC PRODUCT AND PROCESS OF MAKING THE SAME
Allen D. Whipple, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill., a corporation of Illinois
No Drawing. Application August 20, 1931, Serial No. 558,329
29 Claims. (Cl. 260—8)

1. The process of producing a highly transparent synthetic resin which includes introducing into a mixture of phthalic anhydride and ethylene glycol in the proportion of one molecule of each, from 25 to 35 parts by weight in ten million of copper carbonate, heating the mixture to a temperature of from 110 to 150 degrees centigrade, and maintaining said mixture at said temperature, while constantly agitating the same, until said resin is produced and said metal is incorporated therein.

2,137,995
ORGANIC PRODUCT AND PROCESS OF MAKING THE SAME
Allen D. Whipple, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill., a corporation of Illinois
No Drawing. Application November 30, 1931, Serial No. 578,197
3 Claims. (Cl. 134—79)

1. The process of producing a resinous plasticizer, which consists in subjecting phthalic anhydride and diethylene glycol to a temperature of approximately 130 degrees centigrade until a desired condensation product is produced.

2,137,996
AIR CONDITIONING SYSTEM
Robert B. P. Crawford, Washington, D. C., assignor to Frick Company, Waynesboro, Pa., a corporation of Pennsylvania
Application July 5, 1929, Serial No. 375,952
Renewed June 10, 1938
45 Claims. (Cl. 257—1)



27. In an air conditioning system, the method of simultaneously reducing the total heat and the moisture content of air which comprises passing said air into intimate contact with an aqueous solution, reducing the vapor pressure of the solution by adding a salt thereto, cooling said solution, controlling the addition of the salt in accordance with the humidity of the air, removing entrained particles of said solution from the air, and discharging said air into said system.

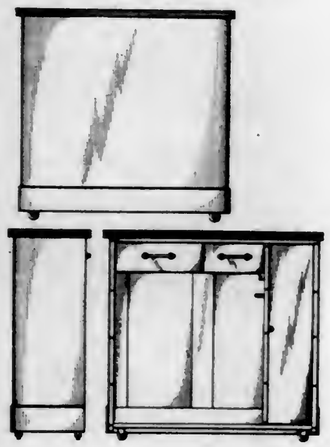
41. The method of conditioning air comprising moving the air through a passageway, projecting liquid into the air in a fine spray, selectively projecting liquid into the air in a coarse spray, and varying the pressure of liquid through the fine spray by the operation of the coarse spray, and automatic means controlling the operation of the coarse spray.

45. The combination with an enclosure to be conditioned, of a conditioning chamber having substantially closed circuit communication with said enclosure for drawing air from said enclosure, passing it through said chamber, and returning it to said enclosure, means for creating such circulation of air through said chamber, a cooling element in said chamber for cooling the air passing therethrough, refrigerating means for supplying cooling fluid to said element, a second conditioning chamber drawing air from the atmosphere and discharging it into said enclosure, means in said second chamber for conditioning the air passing therethrough, and means responsive to one of the conditions in said enclosure for controlling the circulation of air through said first mentioned conditioning chamber.

DESIGNS

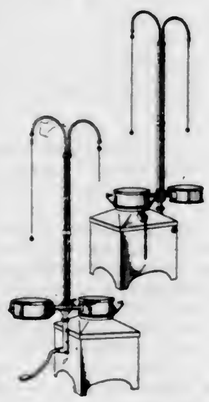
NOVEMBER 22, 1938

112,242
DESIGN FOR A PORTABLE BAR
Irving Salomon, Chicago, Ill.
Application October 3, 1938, Serial No. 80,208
Term of patent 7 years



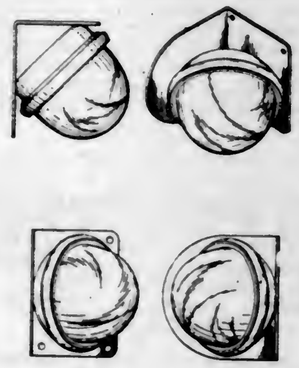
The ornamental design for a portable bar, as shown.

112,243
DESIGN FOR A GARMENT DRYING APPARATUS
Fernand E. Beluche, Williamsville, and William F. Brace, Buffalo, N. Y.
Application June 21, 1938, Serial No. 77,969
Term of patent 14 years



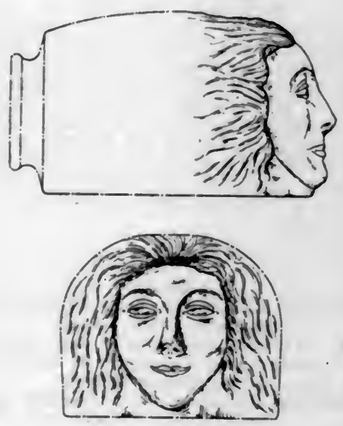
The ornamental design for a garment drying apparatus, as shown.

112,244
DESIGN FOR A COMBINED SIDE LAMP AND BRACKET FOR TRUCKS
Clark M. Bolser, Cedar Falls, Iowa, assignor to The Bolser Corporation, Cedar Falls, Iowa, a corporation of Iowa
Application September 23, 1937, Serial No. 71,761
Term of patent 7 years



The ornamental design for a combined side lamp and bracket for trucks, substantially as shown.

112,245
DESIGN FOR A LIGHT SHADE OR SIMILAR ARTICLE
John V. Donner, Washington, Pa., assignor to Star Mould Machine Company, Washington, Pa., a partnership
Application August 29, 1938, Serial No. 79,615
Term of patent 7 years



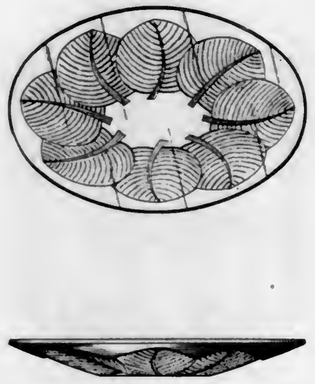
The ornamental design for a light shade or similar article, as shown.

112,246
DESIGN FOR A LIGHT SHADE OR SIMILAR ARTICLE
John V. Donner, Washington, Pa., assignor to Star Mould Machine Company, Washington, Pa., a partnership
Application August 29, 1938, Serial No. 79,616
Term of patent 7 years



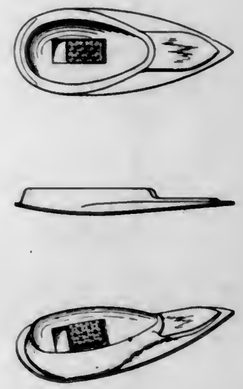
The ornamental design for a light shade or similar article, as shown.

112,247
DESIGN FOR A DISH OR SIMILAR ARTICLE
Maurice Exelmans, Paris, France, assignor to Verlys of America, Inc., New York, N. Y., a corporation of New York
Application September 13, 1938, Serial No. 79,866
Term of patent 7 years



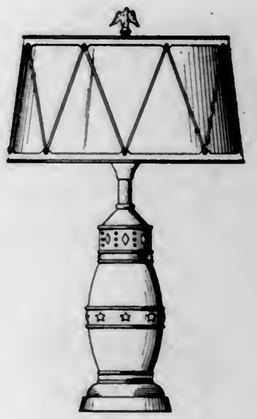
The ornamental design for a dish or similar article, as shown.

112,248
DESIGN FOR A FLASHLIGHT SWITCH
Isaac L. Ferris, Bridgeport, Conn., assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn., a corporation of Connecticut
Application March 23, 1938, Serial No. 76,026
Term of patent 7 years



The ornamental design for a flashlight switch, substantially as shown.

112,249
DESIGN FOR A TABLE LAMP
Marcel H. Gengoult, Bloomfield, N. J., assignor to Electrical Testing Laboratories, New York, N. Y., a corporation of New York
Application August 11, 1938, Serial No. 79,247
Term of patent 3½ years



The ornamental design for a table lamp, as shown and described.

112,250
DESIGN FOR A FLOOR LAMP
Marcel H. Gengoult, Bloomfield, N. J., assignor to Electrical Testing Laboratories, New York, N. Y., a corporation of New York
Application August 11, 1938, Serial No. 79,248
Term of patent 3½ years



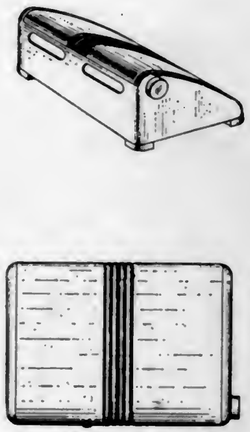
The ornamental design for a floor lamp, as shown and described.

112,251
DESIGN FOR A SHOE
Dave Gilbert, New York, N. Y.
Application October 19, 1938, Serial No. 80,539
Term of patent 3½ years



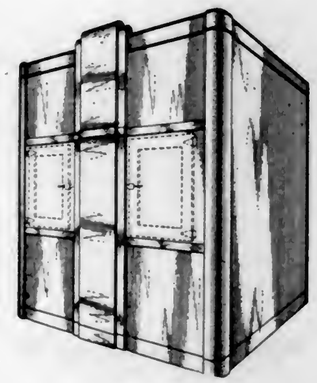
The ornamental design for a shoe, substantially as shown.

112,252
DESIGN FOR AN ELECTRIC TOASTER OR THE LIKE
Donald L. Hadley, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application August 3, 1938, Serial No. 79,067
Term of patent 3½ years



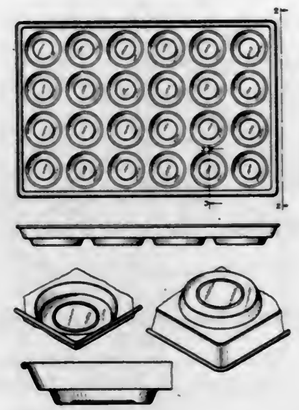
The ornamental design for an electric toaster or the like, substantially as shown and described.

112,253
DESIGN FOR A REFRIGERATOR CABINET
Edward L. Hayes, Detroit, Mich., assignor to Gratiot Fixture & Supply Co., Detroit, Mich., a corporation of Michigan
Application April 18, 1938, Serial No. 76,585
Term of patent 7 years



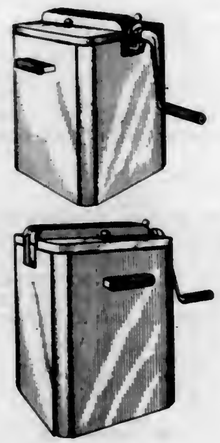
The ornamental design for a refrigerator cabinet, substantially as shown and described.

112,254
DESIGN FOR A BAKING PAN
Joseph G. Jackson, Oak Park, Ill., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application August 15, 1938, Serial No. 79,349
Term of patent 14 years



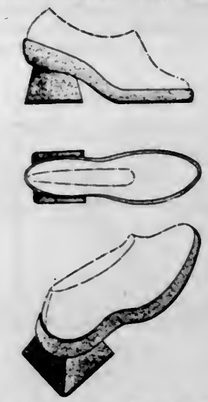
The ornamental design for a baking pan, as shown.

112,255
DESIGN FOR A DOMESTIC ICE CREAM FREEZER
Harry J. Kettleborough, Mendota, Ill., assignor to H. D. Conkey & Company, Chicago, Ill., a corporation of Illinois
Application July 7, 1938, Serial No. 78,334
Term of patent 14 years



The ornamental design for a domestic ice cream freezer, as shown.

112,256
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Kenneth B. Keyes, New York, N. Y.
Application October 22, 1938, Serial No. 80,613
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

112,257
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Kenneth B. Keyes, New York, N. Y.
Application October 22, 1938, Serial No. 80,614
Term of patent 3½ years



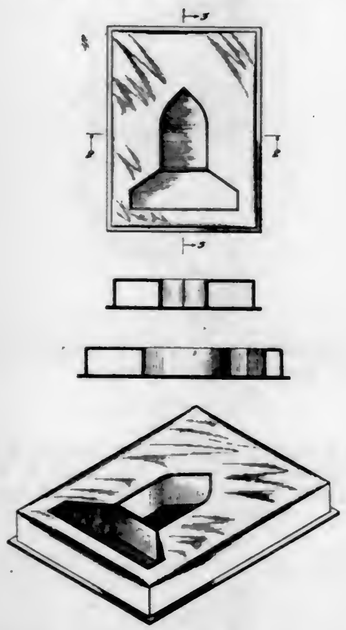
The ornamental design for a shoe or similar article, substantially as shown.

112,258
DESIGN FOR A SHOE
David Levin, New York, N. Y.
Application October 20, 1938, Serial No. 80,568
Term of patent 3½ years



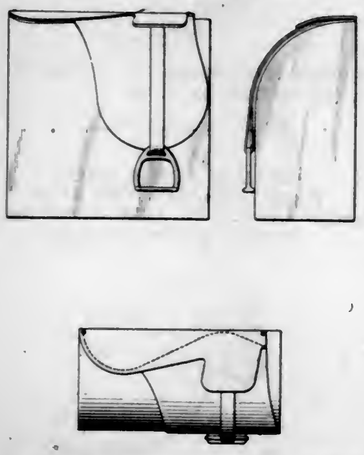
The ornamental design for a shoe, substantially as shown.

112,259
DESIGN FOR A DISPLAY BOX OR SIMILAR ARTICLE
Dougald Logan, Pawtucket, R. I., assignor to Shaw Paper Box Company, a corporation of Rhode Island
Application August 12, 1938, Serial No. 79,286
Term of patent 7 years



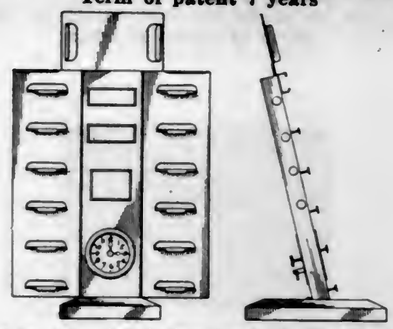
The ornamental design for a display box or similar article, substantially as shown.

112,260
DESIGN FOR A BOOK END
Edward S. Lynch, New York, N. Y.
Application September 10, 1938, Serial No. 79,829
Term of patent 7 years



The ornamental design for a book end, as shown.

112,261
DESIGN FOR A DISPLAY STAND
Mordecai H. Stephens, Fort Wayne, Ind.
Application May 27, 1938, Serial No. 77,437
Term of patent 7 years



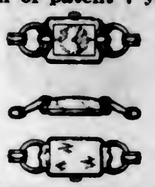
The ornamental design for a display stand, as shown.

112,262
DESIGN FOR A PAINTER'S IMPLEMENT SUPPORT
Henry E. J. Wackwitz, Port Washington, N. Y., assignor of one-half to Hewlett R. Smith, Port Washington, New York
Application August 19, 1938, Serial No. 79,446
Term of patent 14 years



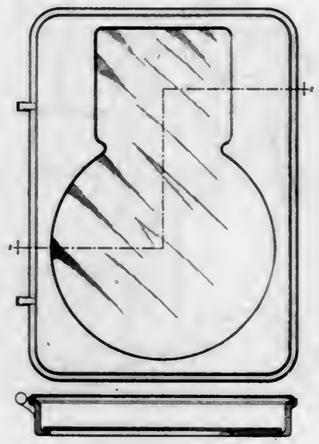
The ornamental design for a painter's implement support, substantially as shown.

112,263
DESIGN FOR A WATCHCASE
Arthur W. Wadsworth, Fort Thomas, Ky., assignor to The Wadsworth Watch Case Company, Dayton, Ohio, a corporation of Kentucky
Application August 2, 1938, Serial No. 79,037
Term of patent 7 years



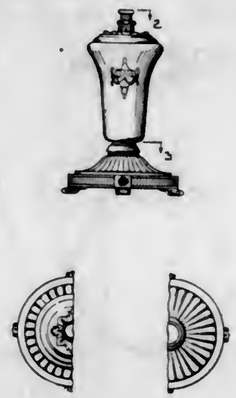
The ornamental design for a watchcase, substantially as shown.

112,264
DESIGN FOR A COVER FOR A MEASURING INSTRUMENT CASE
Charles F. Wetherbee, Naugatuck, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application September 23, 1938, Serial No. 80,055
Term of patent 14 years



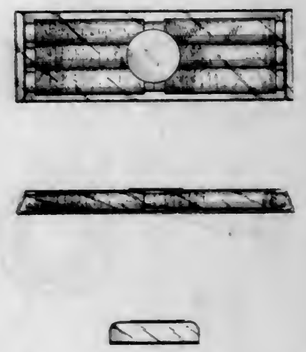
The ornamental design for a cover for a measuring instrument case, as shown.

112,265
DESIGN FOR A COMBINED BASE AND PEDESTAL FOR TABLE LAMPS
Jane Wilcox, Chicago, Ill., assignor to Electrical Testing Laboratories, New York, N. Y., a corporation of New York
Application August 27, 1938, Serial No. 79,599
Term of patent 3½ years



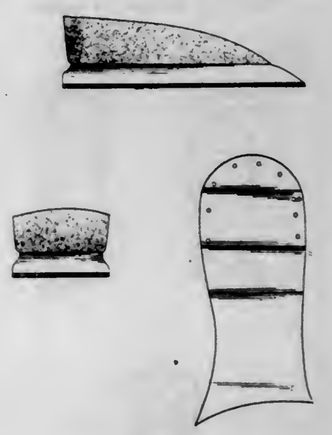
The ornamental design for a combined base and pedestal for table lamps, as shown and described.

112,266
DESIGN FOR A COMBINED CONTAINER AND THREAD DISPLAY
Albert B. Collingbourne, Elgin, Ill.
Application June 22, 1938, Serial No. 77,985
Term of patent 3½ years



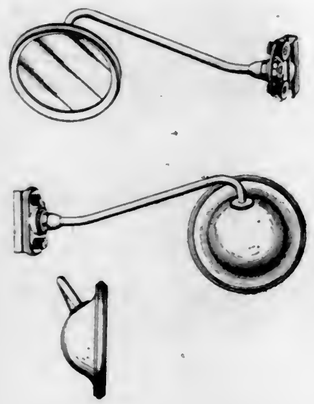
The ornamental design for a combined container and thread display, as shown.

112,267
DESIGN FOR A HEEL
Colley B. Court, Haverhill, Mass.
Application October 20, 1938, Serial No. 80,567
Term of patent 3½ years



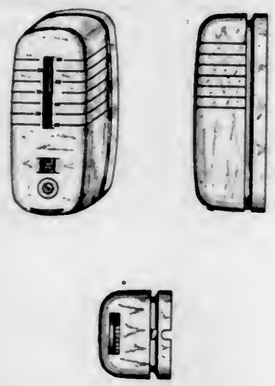
The ornamental design for a heel, substantially as shown.

112,268
DESIGN FOR A REAR VIEW MIRROR AND MOUNTING THEREFOR
John W. Anderson, Gary, Ind., assignor to Productive Inventions, Inc., Gary, Ind., a corporation of Indiana
Application January 19, 1938, Serial No. 74,401
Term of patent 14 years



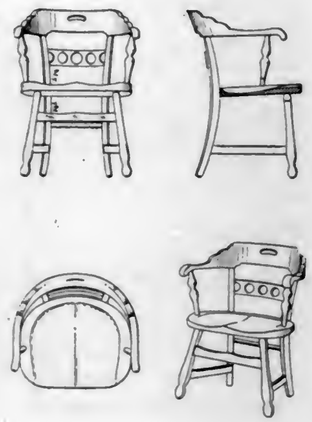
The ornamental design for a rear view mirror and mounting therefor, as shown.

112,269
DESIGN FOR A ROOM THERMOSTAT
James Frederick Barnes and Jean Otis Reinecke, Chicago, Ill., and Roy W. Johnson, Milwaukee, Wis., assignors to Automatic Products Company, Milwaukee, Wis., a corporation of Wisconsin
Application July 13, 1938, Serial No. 78,448
Term of patent 14 years



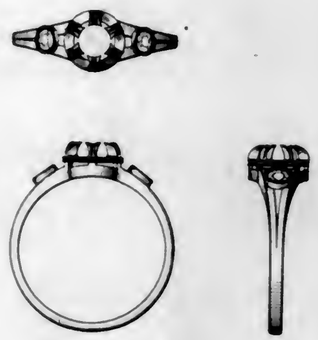
The ornamental design for a room thermostat, as shown.

112,270
DESIGN FOR A CHAIR
Albert J. Baum, Sheboygan, Wis., assignor to American Chair Company, Sheboygan, Wis., a corporation of Wisconsin
Application August 17, 1938, Serial No. 79,406
Term of patent 3½ years



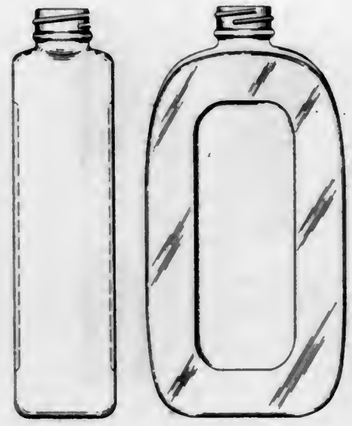
The ornamental design for a chair, as shown.

112,271
DESIGN FOR A RING MOUNTING OR SIMILAR ARTICLE
Joseph Berland, New York, N. Y.
Application October 17, 1938, Serial No. 80,514
Term of patent 3½ years



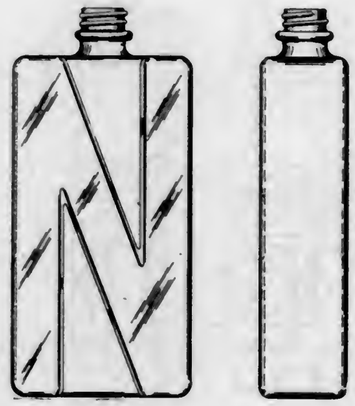
The ornamental design for a ring mounting or similar article, substantially as shown.

112,272
DESIGN FOR A BOTTLE
Royden A. Blunt, Baltimore, Md.
Application March 11, 1938, Serial No. 75,754
Term of patent 14 years



The ornamental design for a bottle, as shown and described.

112,273
DESIGN FOR A BOTTLE
Royden A. Blunt, Baltimore, Md.
Application March 19, 1938, Serial No. 75,957
Term of patent 14 years



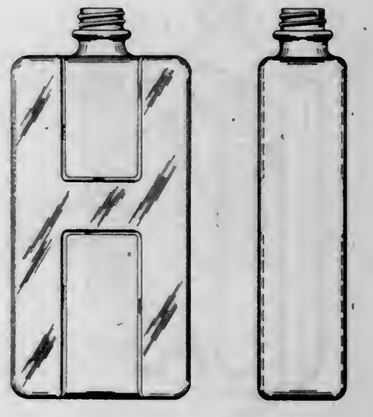
The ornamental design for a bottle, as shown and described.

112,274
DESIGN FOR A BOTTLE
Royden A. Blunt, Baltimore, Md.
Application March 19, 1938, Serial No. 75,958
Term of patent 14 years



The ornamental design for a bottle, as shown and described.

112,275
DESIGN FOR A BOTTLE
Royden A. Blunt, Baltimore, Md.
Application March 19, 1938, Serial No. 75,959
Term of patent 14 years



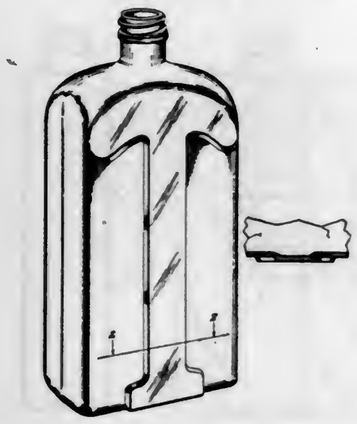
The ornamental design for a bottle, as shown and described.

112,276
DESIGN FOR A BOTTLE
Royden A. Blunt, Baltimore, Md.
Application March 29, 1938, Serial No. 76,155
Term of patent 14 years



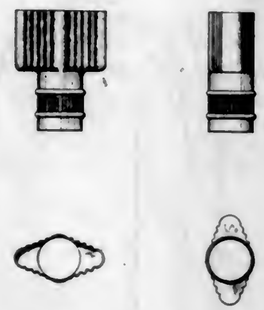
The ornamental design for a bottle, as shown and described.

112,277
DESIGN FOR A BOTTLE
Royden A. Blunt, Baltimore, Md.
Application August 27, 1938, Serial No. 79,598
Term of patent 14 years



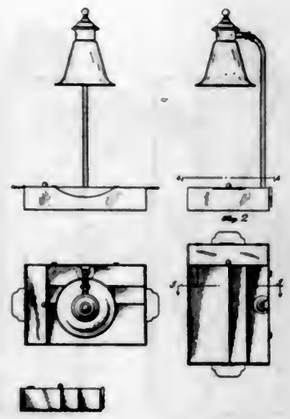
The ornamental design for a bottle, as shown and described.

112,278
DESIGN FOR A PENCIL FERRULE
Albert L. Davis, Watertown, Conn., assignor to The American Brass Company, Waterbury, Conn., a corporation of Connecticut
Application October 6, 1938, Serial No. 80,291
Term of patent 3½ years



The ornamental design for a pencil ferrule, substantially as shown.

112,279
DESIGN FOR A COMBINED MANICURIST'S TRAY AND LAMP
Alida di Nardo, Cleveland, and Betty D. Lieber, Cleveland Heights, Ohio
Application June 7, 1938, Serial No. 77,638
Term of patent 3½ years



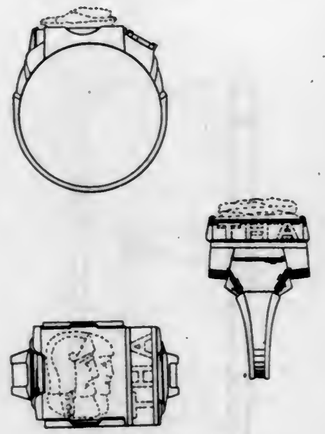
The ornamental design for a combined manicurist's tray and lamp, as shown and described.

112,280
DESIGN FOR A HUMIDOR
David W. Dunberg, New York, N. Y.
Application July 28, 1938, Serial No. 78,790
Term of patent 3½ years



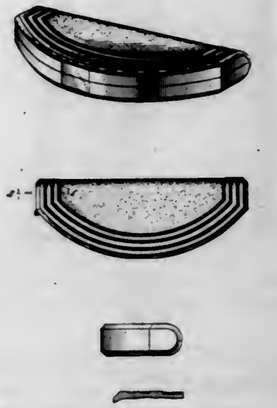
The ornamental design for a humidor, substantially as shown.

112,281
DESIGN FOR A FINGER RING
Morris Goodman, Indianapolis, Ind.
Application September 21, 1938, Serial No. 80,025
Term of patent 7 years



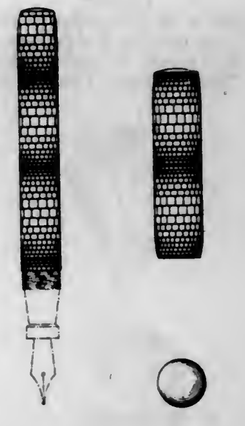
The ornamental design for a finger ring, as shown.

112,282
DESIGN FOR A DISPLAY BOX
George R. Graff, Toledo, Ohio, assignor to The Parker Pen Company, Janesville, Wis., a corporation of Wisconsin
Application February 7, 1938, Serial No. 74,921
Term of patent 7 years



The ornamental design for a display box, substantially as shown.

112,283
DESIGN FOR A FOUNTAIN PEN OR SIMILAR ARTICLE
Benjamin W. Hanle, Elizabeth, N. J., assignor to Eagle Pencil Company, New York, N. Y., a corporation of Delaware
Application March 11, 1938, Serial No. 75,755
Term of patent 3½ years



The ornamental design for a fountain pen or similar article, substantially as shown and described.

112,284
DESIGN FOR A CAP FOR BURIAL CASKET HANDLES
Stephen Junkunc, Jr., Oak Park, Ill., assignor to Stephen Junkunc, Sr., Oak Park, Ill.
Application July 8, 1938, Serial No. 78,341
Term of patent 14 years





The ornamental design for a cap for burial casket handles, as shown.

112,285
DESIGN FOR A FINGER RING
Felix P. Kinsley, St. Louis, Mo.
Application October 10, 1938, Serial No. 80,348
Term of patent 14 years



The ornamental design for a finger ring, as shown and described.

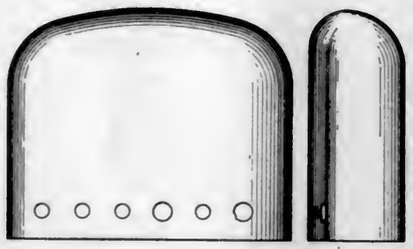
112,286
DESIGN FOR A HUMIDIFIER CONTAINER
John Krapf and George Krapf, Milwaukee, Wis.
Application September 22, 1938, Serial No. 80,035
Term of patent 14 years





The ornamental design for a humidifier container, as shown.

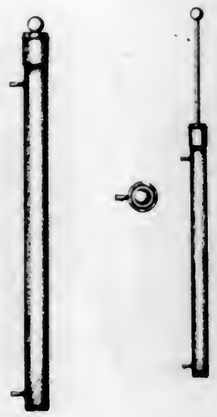
112,287
DESIGN FOR A CASE FOR RADIO RECEIVING OR TRANSMITTING APPARATUS
Sol J. Levy, New York, N. Y., assignor to Morris Cohn, Long Island City, N. Y., as receiver of Police Radio Corporation, a corporation of New York
Application March 2, 1938, Serial No. 75,530
Term of patent 7 years





The ornamental design for a case for radio receiving or transmitting apparatus, substantially as shown and described.

112,288
DESIGN FOR AN EXTENSIBLE RADIO AERIAL
Cary W. Martin, Los Angeles, Calif.
Application February 2, 1938, Serial No. 74,808
Term of patent 7 years



The ornamental design for an extensible radio aerial, as shown.

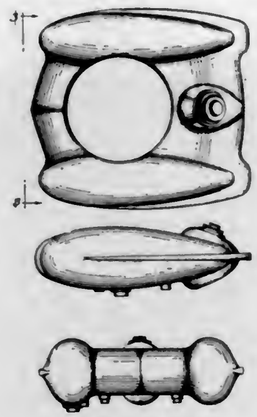
112,289
DESIGN FOR A CONTAINER CAP
Carl McQuinn, Decatur, Ill., assignor to Williams Sealing Corporation, Decatur, Ill., a corporation of Illinois
Application January 16, 1937, Serial No. 67,104
Term of patent 14 years





The ornamental design for a container cap, substantially as shown.

112,290
DESIGN FOR A GASOLINE TANK FOR OUTBOARD MOTOR
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application January 24, 1938, Serial No. 74,506
Term of patent 7 years



The ornamental design for a gasoline tank for outboard motor, as shown.

112,291
DESIGN FOR A RADIATOR GRILLE COVER UNIT FOR AUTOMOBILES
Willard L. Morrison, Lake Forest, Ill.
Application October 2, 1936, Serial No. 65,142
Term of patent 3½ years



The ornamental design for a radiator grille cover unit for automobiles, substantially as shown.

112,292
DESIGN FOR A PLAYING CARD
Owen S. Ottewell, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota
Application December 15, 1937, Serial No. 73,638
Term of patent 3½ years



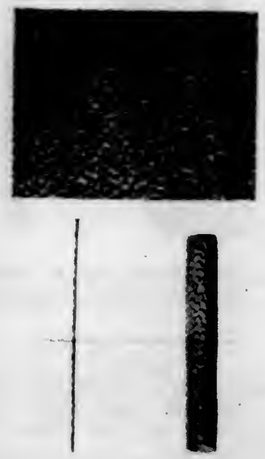
The ornamental design for a playing card, as shown and described.

112,293
DESIGN FOR A JEWELRY SETTING OR SIMILAR ARTICLE
Jacob H. Schaeffer, Brooklyn, N. Y.
Application August 20, 1938, Serial No. 79,471
Term of patent 7 years



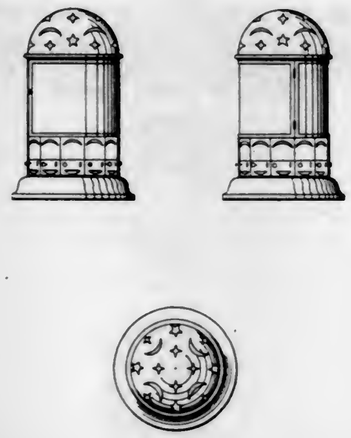
The ornamental design for a jewelry setting or similar article substantially as shown and described.

112,294
DESIGN FOR A PLASTIC SHEET OR SIMILAR ARTICLE
Harry E. Smith, Short Hills, N. J., assignor to Celluloid Corporation, a corporation of New Jersey
Application September 29, 1938, Serial No. 80,136
Term of patent 7 years



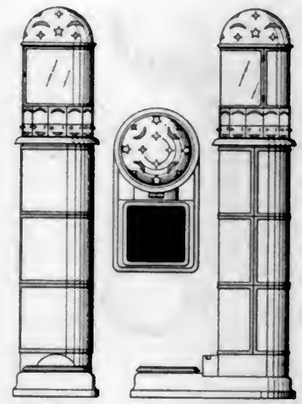
The ornamental design for a plastic sheet or similar article, substantially as shown and described.

112,295
DESIGN FOR A VENDING MACHINE CASING
James C. Trice, Houston, Tex., assignor to Guy G. Eidman, Harris County, Tex.
Application March 7, 1938, Serial No. 75,641
Term of patent 14 years



The ornamental design for a vending machine casing, as shown.

112,296
DESIGN FOR A COMBINED SCALE, VENDING MACHINE, AND ADVERTISING CABINET
James C. Trice, Houston, Tex., assignor to Guy G. Eidman, Harris County, Tex.
Application March 7, 1938, Serial No. 75,642
Term of patent 14 years



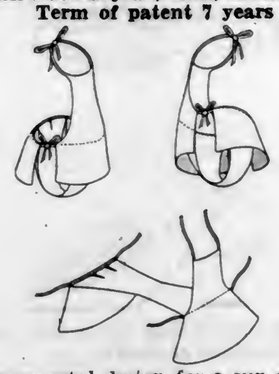
The ornamental design for a combined scale, vending machine, and advertising cabinet, as shown.

112,297
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Marris R. Turner, Cleveland Heights, Ohio
Application June 3, 1938, Serial No. 77,548
Term of patent 7 years



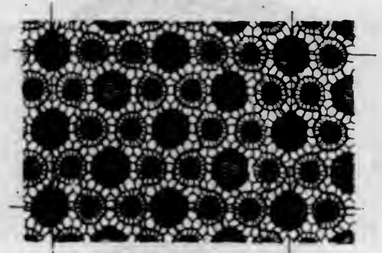
The ornamental design for a textile fabric or similar article, substantially as shown.

112,298
DESIGN FOR A SUN SUIT OR SIMILAR ARTICLE
Drusilla G. Carpenter, Dallas, Tex.
Application February 25, 1938, Serial No. 75,410
Term of patent 7 years



The ornamental design for a sun suit or similar article, as shown.

112,299
DESIGN FOR A LACE
Bert Edson, Pawtucket, R. I.
Application October 17, 1938, Serial No. 80,503
Term of patent 3½ years



The ornamental design for a lace, substantially as shown and described.

112,300
DESIGN FOR A TEXTILE FABRIC
Curt E. Forstmann, Montclair, N. J.
Application November 17, 1937, Serial No. 72,961
Term of patent 14 years



The ornamental design for a textile fabric, as described and as shown.

112,301
DESIGN FOR A TEXTILE FABRIC
Samuel Golland, Brooklyn, N. Y.
Application October 17, 1938, Serial No. 80,515
Term of patent 3½ years



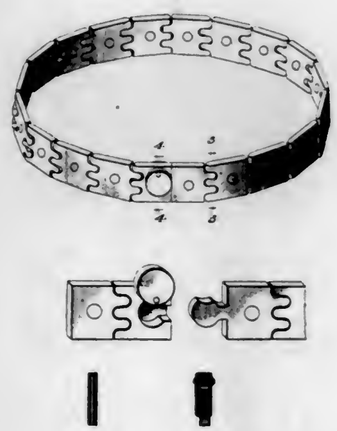
The ornamental design for a textile fabric, as shown.

112,302
DESIGN FOR A BRAID OR SIMILAR ARTICLE OF MANUFACTURE
Ernest Hansmann, New Bedford, Mass., assignor to The Continental Elastic Corporation, New Bedford, Mass.
Application October 3, 1938, Serial No. 80,231
Term of patent 3½ years



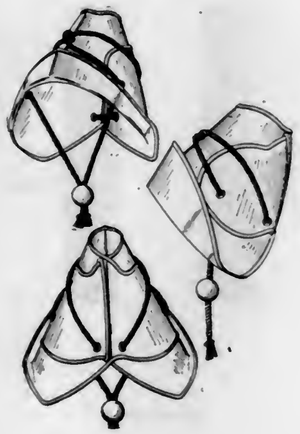
The ornamental design for a braid or similar article of manufacture, as shown and described.

112,303
DESIGN FOR A WOODEN LINK BELT
John T. Huddle, St. Petersburg, Fla.
Application April 23, 1938, Serial No. 76,725
Term of patent 7 years



The ornamental design for a wooden link belt, substantially as shown.

112,304
DESIGN FOR A SPORT HAT
Helene S. Jaccard, Mission Hills, Kans.
Application July 21, 1938, Serial No. 78,637
Term of patent 14 years



The ornamental design for a sport hat, as shown.

112,305
DESIGN FOR A SHOE OR SIMILAR ARTICLE
David Levin, New York, N. Y.
Application October 3, 1938, Serial No. 80,193
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

112,306
DESIGN FOR A SHOE OR SIMILAR ARTICLE
David Levin, New York, N. Y.
Application October 3, 1938, Serial No. 80,194
Term of patent 3½ years



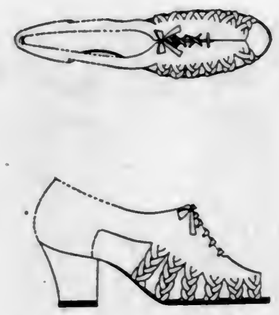
The ornamental design for a shoe or similar article, substantially as shown.

112,307
DESIGN FOR A SHOE OR SIMILAR ARTICLE
David Levin, New York, N. Y.
Application October 3, 1938, Serial No. 80,196
Term of patent 3½ years



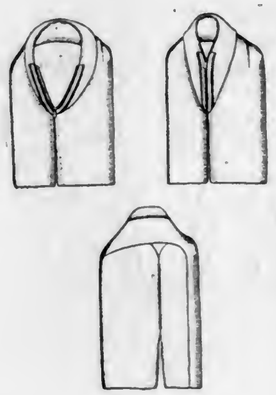
The ornamental design for a shoe or similar article, substantially as shown.

112,308
DESIGN FOR A SHOE
David Levin, New York, N. Y.
Application October 4, 1938, Serial No. 80,235
Term of patent 3½ years



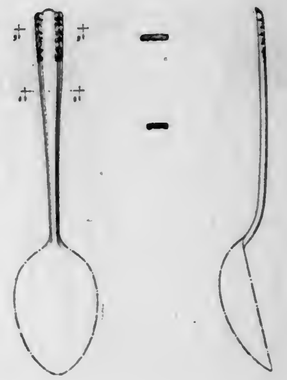
The ornamental design for a shoe, substantially as shown.

112,309
DESIGN FOR A SCARF
Arthur M. Lowenthal, Rochester, N. Y., assignor to Max Lowenthal & Sons, Rochester, N. Y., a copartnership composed of Arthur M. Lowenthal and Eugene M. Lowenthal
Application November 10, 1937, Serial No. 72,758
Term of patent 7 years



The ornamental design for a scarf, as shown.

112,310
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
James Russell Price, Cranston, R. I., assignor to Gorham Manufacturing Company, Providence, R. I., a corporation of Rhode Island
Application March 9, 1938, Serial No. 75,692
Term of patent 14 years



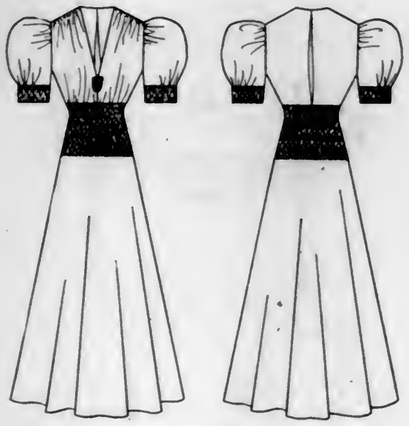
The ornamental design for a spoon or other article of flatware, substantially as shown.

112,311
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Nicholas L. Wershing, New York, N. Y.
Application September 19, 1938, Serial No. 79,985
Term of patent 3½ years



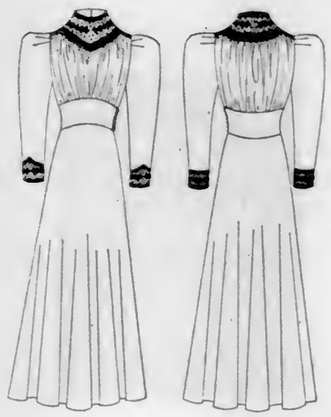
The ornamental design for a textile fabric or similar article, as shown and described.

112,312
DESIGN FOR A DRESS
Lillian Burke, New York, N. Y.
Application August 10, 1938, Serial No. 79,214
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

112,313
DESIGN FOR A DRESS
Samuel Chapman, New York, N. Y.
Application October 20, 1938, Serial No. 80,566
Term of patent 3½ years



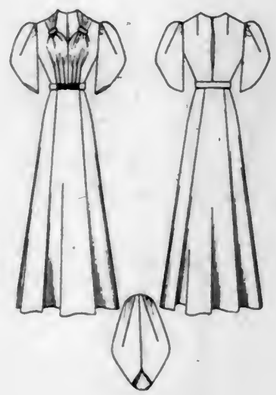
The ornamental design for a dress, substantially as shown and described.

112,314
DESIGN FOR A DRESS
Rose Feintuck, New York, N. Y.
Application October 19, 1938, Serial No. 80,546
Term of patent 3½ years



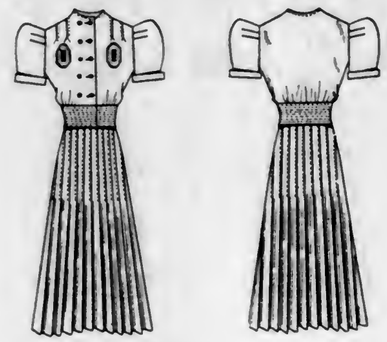
The ornamental design for a dress, substantially as shown.

112,315
DESIGN FOR A DRESS
Yvonne Guyon, New York, N. Y.
Application October 19, 1938, Serial No. 80,545
Term of patent 3½ years



The ornamental design for a dress, substantially as shown, and described.

112,316
DESIGN FOR A DRESS
Gisele Klein, New York, N. Y.
Application October 22, 1938, Serial No. 80,618
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

112,317
DESIGN FOR A DRESS
Marie Lawrence, New York, N. Y.
Application October 27, 1938, Serial No. 80,697
Term of patent 3½ years



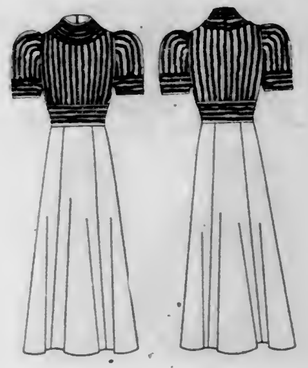
The ornamental design for a dress, substantially as shown.

112,318
DESIGN FOR A DRESS
Albert E. Levy, New York, N. Y.
Application October 25, 1938, Serial No. 80,655
Term of patent 3½ years



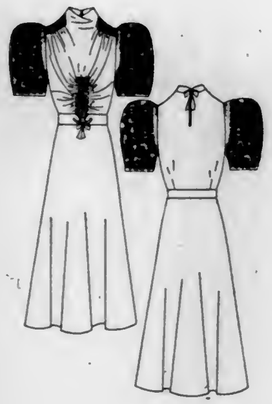
The ornamental design for a dress, substantially as shown.

112,319
DESIGN FOR A DRESS
Albert E. Levy, New York, N. Y.
Application October 25, 1938, Serial No. 80,657
Term of patent 3½ years



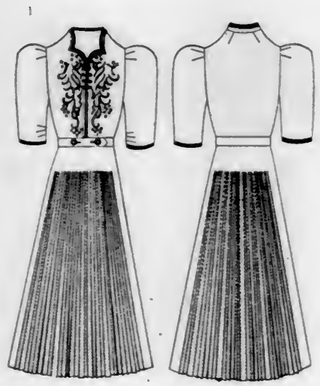
The ornamental design for a dress, substantially as shown and described.

112,320
DESIGN FOR A DRESS
Albert E. Levy, New York, N. Y.
Application October 29, 1938, Serial No. 80,737
Term of patent 3½ years



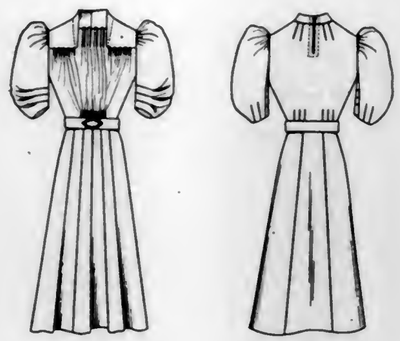
The ornamental design for a dress, substantially as shown.

112,321
DESIGN FOR A DRESS
Ada Maidman, New York, N. Y.
Application October 29, 1938, Serial No. 80,740
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

112,322
DESIGN FOR A DRESS
David William Price, New York, N. Y.
Application October 19, 1938, Serial No. 80,547
Term of patent 3½ years



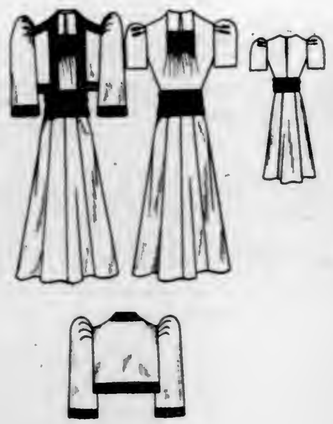
The ornamental design for a dress, substantially as shown.

112,323
DESIGN FOR A TEXTILE FABRIC
Jacob Umansky, Elmhurst, Long Island, N. Y., assignor to Alexander Textile Corporation, New York, N. Y., a corporation of New York
Application August 20, 1938, Serial No. 79,469
Term of patent 3½ years



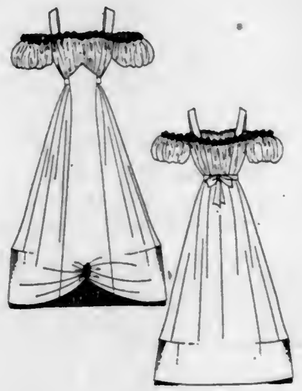
The ornamental design for a textile fabric, as shown.

112,324
DESIGN FOR A DRESS ENSEMBLE
Julia Vallee, New York, N. Y.
Application October 20, 1938, Serial No. 80,576
Term of patent 3½ years



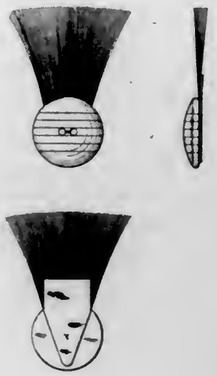
The ornamental design for a dress ensemble, substantially as shown.

112,325
DESIGN FOR A DRESS
Sarah Wicha, New York, N. Y.
Application October 29, 1938, Serial No. 80,739
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

112,326
DESIGN FOR A HAT ORNAMENT OR SIMILAR ARTICLE
Samuel Antenberg, Brooklyn, N. Y.
Application May 3, 1938, Serial No. 76,941
Term of patent 3½ years



The ornamental design for a hat ornament or similar article, as shown.

112,327
DESIGN FOR A HAT
Samuel Lish, New York, N. Y.
Application October 19, 1938, Serial No. 80,548
Term of patent 3½ years



The ornamental design for a hat, substantially as shown.

THE

OFFICIAL GAZETTE

OF THE

United States Patent Office

Vol. 496—No. 5 TUESDAY, NOVEMBER 29, 1938 Price—$16 per year

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November 29, 1938

Trade-Marks	196—No.	362,665 to No.	362,860, inclusive.
Labels	28—No.	52,155 to No.	52,182, inclusive.
Prints	8—No.	17,137 to No.	17,144, inclusive.
Reissues	6—No.	20,928 to No.	20,933, inclusive.
Plant Patents	2—No.	305 to No.	306, inclusive.
Patents	814—No.	2,137,997 to No.	2,138,810, inclusive.
Designs	88—No.	112,328 to No.	112,415, inclusive.
Total	1,142		

Notice of Cancellation

U. S. Patent Office, *Washington, D. C., Nov. 1, 1938.*

California Bottling Co., its assigns or legal representatives take notice:

An application for cancellation having been filed in this Office by Clicquot Club Company, Millis, Mass., to effect the cancellation of trade-mark registration of California Bottling Co., 142 Kings Street, Brooklyn, N. Y., No. 160,146, dated October 17, 1922, and the notice of such proceeding sent by registered mail to the said California Bottling Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless said California Bottling Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

Justin W. Macklin,
First Assistant Commissioner.

Adjudicated Patents

(C. C. A. Utah.) Steiner patent, No. 1,426,121, for roller-towel cabinet, claims 17, 18, 19, and 20 *Held* valid. *Steiner Sales Co.* v. *Schwartz Sales Co.*, 98 F.(2d) 999.

(C. C. A. Okla.) Tschappat patent, No. 1,830,893, for tubing hanger, claims 2, 6, and 7 *Held* not infringed. *Tschappat* v. *Hinderliter Tool Co.*, 98 F.(2d) 994.

(C. C. A. Utah.) Tyler patent, No. 1,959,938, for roller towel control mechanism, *Held* invalid. *Steiner Sales Co.* v. *Schwartz Sales Co.*, 98 F.(2d) 999.

(C. C. A. Utah.) Steiner and Olson reissue patent, No. 17,352, for towel cabinet, *Held* valid and infringed. *Id.*

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,073,002, W. R. Collins and W. J. Le Fevre, Cellulose ether recovery, decided November 10, 1938, claims 1, 2, 3, 4, 5, 6, 7, and 8.

Pat. 2,091,428, C. E. Burt, Guiding floating and cementing device for well casings, decided October 6, 1938, claim 1.

Disclaimers

1,841,187.—*Theodore Johnson,* Erie, Pa. Closure Fastener. Patent dated January 12, 1932. Disclaimer filed November 3, 1938, by the assignee, *Johnson Metal Products Co.*, and the licensee, *Detroit Steel Products Company.*

Hereby disclaim claims 12 and 13 of the patent.

2,102,309.—*William G. Dunn,* Clarinda, Iowa. Wind Driven Generator Structure. Patent dated December 14, 1937. Disclaimer filed November 3, 1938, by the patentee.

Hereby enters this disclaimer to claims 21, 22, and 23 of said specification.

2,112,704.—*Malcolm S. Mackay,* Englewood, N. J. Arrangement of Instrument Dials. Patent dated March 29, 1938. Disclaimer filed November 2, 1938, by the assignee, *Bendix Aviation Corporation.*

Hereby enters this disclaimer to claim 5.

Condition of Applications Under Examination at Close of Business November 12, 1938

(Total number of applications awaiting action, excluding Trade-Mark Division, 46,250; Trade-Mark Division, 1,267. Oldest new case, March 12, 1938; oldest amended, Feb. 11, 1938.)

Room No.	DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. (Act.), Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	May 16	June 2	827
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	May 28	June 8	890
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Sept. 14	Sept. 9	354
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	June 28	June 1	537
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Aug. 12	Aug. 12	530
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	May 2	May 6	1166
5725	7. JARBOE, C. G., Optics; Photography	Aug. 4	Aug. 3	907
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	July 2	July 2	939
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Aug. 9	Aug. 11	534
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	July 18	July 21	603
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	July 26	July 23	511
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	Mar. 12	Feb. 23	828
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	June 29	June 29	632
5097	14. YUNG KWAI, B., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Aug. 27	Aug. 26	444
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	July 2	July 2	1115
5716	16. SPENCER, C. J., Telegraphy; Telephony	May 24	May 16	859
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	June 17	June 21	677
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	June 3	June 2	582
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	June 23	July 12	731
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	July 23	July 20	427
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Aug. 12	Aug. 12	432
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	July 28	July 28	630
7624	23. BUTTNER, W. J., Registers (part)	Apr. 16	Feb. 11	320
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Aug. 16	Aug. 16	531
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	July 21	July 21	572
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	July 15	July 14	568
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment	May 11	May 4	1140
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	June 18	June 6	534
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	May 31	June 2	775
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	May 24	May 23	875
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Aug. 12	Aug. 16	651
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Aug. 2	Aug. 5	580
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	July 6	July 8	880
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	July 30	July 21	325
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	July 4	July 6	755
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	June 4	June 10	668
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	May 6	May 2	910
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Plastic Compositions.	Apr. 18	May 1	677
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	June 29	June 27	613
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	June 11	June 11	1425
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Aug. 4	July 28	258
5882	42. CUTTING, H. O., Electric Signaling	Mar. 31	Mar. 22	833
4886B	43. KLINGE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	July 6	July 21	529
4087B	44. HARVEY, L. P., Refrigeration	June 18	June 13	691
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	June 7	June 21	769
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	June 18	June 30	638
6082	47. LOWE, E. R. (Act.), Clutches; Brakes	July 15	July 7	566
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	July 20	July 18	537
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Apr. 9	Apr. 11	1083
4701	50. BLAKE, C. L., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	May 31	June 13	1105
5628	51. BACKUS, C. D., Radiant Energy (part)	July 30	July 30	803
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Aug. 8	Aug. 15	814
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	July 27	Aug. 4	650
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Aug. 9	Aug. 9	429
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	May 18	May 18	1298
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	June 15	June 13	1051
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horse-shoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	June 22	June 29	513
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Aug. 5	Aug. 5	353
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	July 26	July 29	745
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	June 27	June 30	542
6724	61. PARKS, G. E., Laminated Electrical Insulation; Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	May 26	May 20	618
5621	62. PUGH, E. C., Games; Geometrical Instruments	Aug. 15	Aug. 8	562
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	July 15	July 21	615
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	June 22	June 22	1070
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	May 14	May 19	661
2099B	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND (Trade-Marks	Oct. 12	Oct. 29	1267
	(Labels and Prints	Nov. 3	Nov. 7	59
2605	DESIGNS: H. H. KALUPY	Oct. 3	Oct. 20	693

DECISIONS IN PATENT AND TRADE-MARK CASES

Commissioner's Decision

EX PARTE CREVELING

Decided November 7, 1938

ABANDONMENT—FAILURE TO AMEND WITHIN SIX MONTHS FOLLOWING BOARD'S DECISION—MISUNDERSTANDING OF LAW NOT GROUND FOR REVIVAL.

Where an applicant appealed to the United States Court of Customs and Patent Appeals from the decision of the Board of Appeals affirming the rejection of certain claims, and allowed his appeal to the court to be dismissed for want of timely prosecution; and thereafter within six months after dismissal of his appeal but more than six months after the Board's decision, filed an amendment, *Held* the application is abandoned and *Held* that applicant's alleged misunderstanding as to the time within which response to the Board's decision was necessary does not warrant the revival of the application on the ground that applicant's delay in responding was unavoidable.

ON PETITION.

Mr. John L. Creveling, pro se.

VAN ARSDALE, *Assistant Commissioner:*

This is a petition that this application be held not abandoned, or, if held abandoned, that it be revived.

The record in this case shows that the final rejection of September 19, 1935, was affirmed by the Board of Appeals in a decision rendered November 18, 1936, and that on January 5, 1937, applicant appealed to the United States Court of Customs and Patent Appeals, which appeal was dismissed by said court on January 14, 1938, for want of timely prosecution by applicant under the rules. In the Office letter of July 27, 1938, applicant was advised that the application was held to be abandoned and that the amendment filed July 11, 1938, had not been entered. This petition was filed August 15, 1938.

The petition is supported by an affidavit of the applicant who states that when he filed his appeal to the court he intended to prosecute it to a final decision upon the merits, but that thereafter the condition of his health was such that he believed it was urgent that he should withdraw from all work possible and therefore he notified the court on March 20, 1937, that he wished to drop the appeal; that on or about July 30, 1937, he inquired at Division 42 and also at the Docket Division to ascertain the status of the application and these inquiries confirmed his belief that he could do nothing until the court acted on the case; that had he been aware that any action was required by him prior to the dismissal of the case by the court he would have taken it; and that when he filed the amendment on July 11, 1938, he believed he was acting within the statutory time allowed, and was acting in good faith.

In *Ex parte Coverstone*, 381 O. G. 483, 1929 C. D. 16, it was held that an application becomes abandoned by the withdrawal of an appeal to the Board of Appeals when there is in the case an Office action to which a responsive reply has not been filed and the statutory period for the reply, dating from that Office action, has expired; in other words, that case appears to hold that the statutory time for replying to an Office action cannot be extended by merely the filing of a proper appeal within the statutory period and withdrawing the appeal thereafter.

Applicant voluntarily allowed his appeal to the Court of Customs and Patent Appeals to be dismissed in accordance with the rules of the court and, furthermore, was notified by the Patent Office prior to the dismissal that the appeal was subject to dismissal, and it seems to me that the principle of *Ex parte Coverstone*, supra, applies to such a dismissal by the court, and that applicant's application was properly held abandoned by the dismissal of the appeal, since at that time an amendment responsive to the decision of the Board of Appeals had not been filed and the statutory period for filing such reply, dating from the Board's decision, had expired.

Applicant asserts that his failure to have a responsive reply on file at the time the appeal to the court was dismissed was unavoidable because he found no indication in the published rules and treatises which he had examined that this should be done to avoid abandonment. He does not say that he found any statement in any treatise or any rule indicating that he would have time, starting from the time of the dismissal of the appeal to the court, within which to file a responsive reply to the decision of the Board of Appeals and thus avoid abandonment.

It has been the established practice for many years to consider applications abandoned either by the withdrawal of an appeal or by allowing dismissal of an appeal for failure of prosecution when, at the time of the withdrawal or dismissal, no responsive reply to a previous Office action is on file and the time for filing such reply, dating from the date of such action, has expired. Furthermore, it would seem that what is the practice that applies to the present situation has been fairly well indicated in decisions, such, for instance, as: *Ex parte Coverstone*, 381 O. G. 483, 1929 C. D. 16; *Ex parte Williamson*, 380 O. G. 493, 1929 C. D. 14; *Ex parte Merica and Kayes*, 401 O. G. 919, 1930 C. D. 13; *Ex parte Ellis*, 478 O. G. 478, 1937 C. D. 153, 24 C. C. P. A. 759. (See also *Cole* v. *Zarbock* v. *Greene*, 116 O. G. 1451, 1905 C. D. 194.)

It is not considered that applicant's mistake as to the law and the practice was unavoidable. Further, mere ignorance or a mere misunderstanding of the law or practice does not warrant an abandonment due to such ignorance or misunderstanding being held to be unavoidable: *Ex parte Gottheil*, 320 O. G. 227, 1924 C. D. 23; *Ex parte Gale, Sr.*,

161 O. G. 530, 1910 C. D. 237 (superseding *Ex parte Wagner*, 119 O. G. 965, 1905 C. D. 497, and *Ex parte Wentzel*, 131 O. G. 941, 1907 C. D. 352).

In view of the above, the petition is denied.

U. S. Court of Customs and Patent Appeals

IN RE GREEN

No. 3,906. Decided May 31, 1938

[97 F.(2d) 130]

1. APPEALS—AMENDMENT OF CLAIMS IN COURT NOT PERMITTED.
"It is well settled that claims can not be amended in this court."

2. PATENTABILITY—INVENTION OR DISCOVERY NECESSARY.
"It is obvious from a study of the references and the appealed claims that appellant's device is new, and it may be conceded that it is useful; nevertheless, as stated by the Supreme Court in the case of *Thompson* v. *Boisselier*, 114 U. S. 1, 'it is not enough that a thing shall be new, in the sense that in the shape or form in which it is produced it shall not have been before known, and that it shall be useful, but it must, under the Constitution and the statute, amount to an invention or discovery'."

3. SAME—MAGNETIC IMPULSE CONTACTOR.
Claims for a magnetic impulse contactor *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Myron J. Dikeman for Green.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting all of the claims—3 to 8, inclusive—in appellant's application for a patent for an alleged invention in improvements in a "Magnetic impulse contactor."

Claims 3 and 5 are illustrative of the appealed claims. They read:

3. A magnetic impulse registering device adapted for registering electric impulses caused by certain passing objects and operative therewith, comprising a magnet of the permanent type surrounded by continuous coil winding of fine insulated wire, a sensitive relay instrument having its energizing coil electrically connected by intervening electric circuit wires with the magnet coil winding, said relay being provided with closable electric contact terminal members connected by electric circuit wires in a separated electric circuit having an auxiliary relay instrument connected therein, said auxiliary relay having switch means mounted thereon also connected by electric circuit wires in another separated electric circuit, and an electric impulse registering unit electrically connected within the said auxiliary relay circuit.

5. A magnetic impulse contactor device adapted for registering electric impulses caused by the passing of certain objects and actuated thereby, comprising a permanent magnet core section surrounded by continuous core induction winding of numerous turns of fine insulated wire, a non-magnetic casing mounted over said magnet and coil winding, a sensitive relay instrument connected electrically by intervening electric circuit wires with the magnet coil winding, said relay being provided with closable electric contact terminal members mounted thereon and connected by electric circuit wires in a separated electric circuit having an electric impulse registering unit connected therein, and a relay circuit holding contactor also connected within the same separated electric circuit.

The references are: Edison, 470,923, March 15, 1892; Dixon, 570,700, November 3, 1896; Kleinschmidt, 881,005, March 3, 1908; Bryant, 1,296,360, March 4, 1919; Finnigan, 1,302,345, April 29, 1919; Wells, 1,332,451, March 2, 1920; Harvey, 1,495,790, May 27, 1924: Nelson, Re. 17,602, February 18, 1930; Cleaver, 1,768,524, June 24, 1930; Grondahl et al., 1,798,256, March 31, 1931.

Each of the elements in appellant's device is old. The issue in the case, therefore, is whether appellant's arrangement of old elements in what must be conceded to be a new combination is new and useful and involves invention.

The following excerpt is taken from appellant's application:

My device is herein illustrated in the drawings as applied to a simple electric light signal as may be adapted to a street crossing signal unit, although it is to be understood that any other type of impulse signal unit or device may be used in its place if desired. The drawings illustrate the magnet impulse unit as installed across a highway for signaling the approach, or counting passing automobiles, although it may be as readily adapted for recording, by electric impulses, the passing of any other metallic magnetic unit such as metal parts dispensed from a manufacturing machine, the magnetic impulse bar being designed and positioned so the metal parts will pass through the magnetic field.

Appellant's device consists of a permanent magnet bar around which is wound a coil of fine insulated wire. The ends of the wire coil are extended as leads and connected to a sensitive relay instrument. The permanent magnet bar is enclosed in a casing to protect the bar when it is embedded in the ground under a road or street. When the magnetic field surrounding the permanent bar is disturbed by passing magnetic material, an electric impulse is induced in the coil. To make use of such electric impulse, as stated by the Primary Examiner—

• • • the coil leads are connected to a relay of the rotor type. The leads are connected to the coil of the wound rotor situated in the magnetic field of the relay magnet. To this rotor is attached a contact arm which is normally maintained in a position intermediate contacts presumably by proper adjustment of a spiral spring element. (The spring is shown but not specifically referred to by the applicant in his description but relays of this type are well known.)

An electrical impulse in the coil of [the] rotor, such as might be caused by an induced E. M. F. as described, will cause a slight rotation of the rotor and consequently of the [contact] arm, causing the latter to contact [one of the terminal contact points] depending on the direction of the electric impulse wave and for a time depending on the length of the impulse. The contact arms and the [terminal contact points] • • • are connected so that when engaged they will close some type of electric circuit. • • •

The specific circuit herein shown is another relay circuit.

Appellant's device also includes a holding relay, referred to in the application as relay "K", which, as stated by the Primary Examiner, when energized—

"closes a branch circuit around the contact arm of the relay F so that relays F and K mutually lock each other. Applicant shows batteries E and H for the relay F circuit and the signal circuit respectively but in dashed lines shows a common source for both."

When the holding relay "K" is in operation, the signal is continuous.

With reference to the holding relay, specified in claims 5 and 6, the Board stated:

• • • as claimed, no definite function is developed for the circuit-holding contactor. As we understand its operation, it serves to control a shunt circuit which maintains the relay F energized after the passage of the metallic object and the consequent opening of the circuit of relay F by the relay C.

While no reference cited by the Examiner shows the use of a relay corresponding to appellant's relay K in an organization such as disclosed, the claims on appeal fail to bring out any such structure and relationship as to develop any useful function for this contactor.

With reference to the quoted excerpt from the Board's decision, counsel for appellant stated in his brief that, although a thermostatic switch unit was not set forth in the appealed claims as being a part of appellant's combination, such a unit is a common expedient for controlling the duration of an electric impulse, and would be used by any electrician in connection with appellant's combination when needed, and that, therefore, it was not believed necessary to include it in the claims. Counsel further stated that if the court was of opinion that that element should be specified in the claims as a part of appellant's combination, it should permit an amendment of the claims to that extent and for that purpose.

[1] It is well settled that claims can not be amended in this court. *In re Riebel, Jr.*, 21 C. C. P. A. (Patents) 972, 69 F.(2d) 563, 446 O. G. 8.

In his decision, the Primary Examiner analyzed each of the cited references, applied them to the appealed claims, and held that the claims were unpatentable for two reasons; namely, first, they "define an old combination," and, second, they do not involve invention in view of the prior art.

The Board of Appeals apparently overruled the Examiner's decision as to the first ground of rejection. With regard thereto, the Board said:

A large number of references have been cited by the Examiner to show general organizations of the type here claimed, i. e., these references show some sort of a signaling device controlled by a relay which is in turn controlled by some sort of a circuit closer. In the broadest aspect, that is the combination here claimed. *However, we do not feel that organizations such as here involved should be reduced to their broadest aspect and rejected on references which merely disclose the generic elements.* [Italics ours.]

We deem it unnecessary to explain the structure of the devices disclosed in all of the many references.

The patent to Cleaver relates to a device for the transmission of magnetic impulses for signaling and other purposes. The patent discloses a magnet bar wound with a coil of insulating wire for use as a railway track signaling device. It is so arranged and designed that when a passing train disturbs the magnetic field of the bar, an electric impulse is induced in the coil as in applicant's device. The ends of the coil are connected to a magnetic device, which controls a permanently magnetized armature. The armature is pivoted between two terminals included in a circuit, which circuit energizes a signal. The patentee discloses a relay of the rotor type.

The patent to Finnigan relates to a system of train control. It discloses a magnetic detector somewhat similar to that disclosed by the patentee Cleaver, and, so far as this case is concerned, has no other or further bearing than that of the Cleaver disclosure.

The patent to Wells relates to a railway signal device. It discloses a permanent magnet in the form of a horseshoe. The magnet is attached to the side of a rail by connecting bars. An induction coil winding is mounted on the connecting bars, and when a car wheel passes the instrument an electric impulse is induced in the coils, which can be utilized to control any desired apparatus, such as railway signals, etc.

In each of those patents the elements—the magnetic detector, the signal unit, and the relay system for operating the signal unit—are shown to be old. The same is true in the patents to Kleinschmidt, Edison, Nelson, Bryant, and Dixon.

Although none of the references shows the combination defined in the appealed claims, all of the essentials of appellant's combination are disclosed, including, as stated by the Board, "the specific means involved for closing the primary circuit."

In view of the Examiner's exhaustive discussion, the Board of Appeals apparently deemed it unnecessary to explain in detail why, in its opinion, the appealed claims were not patentable over the references.

In its decision, the Board said:

The patent to Cleaver, for instance, shows a permanent magnet having a surrounding coil, the terminals of which are connected to a sensitive relay. The relay of this patent directly controls the signaling circuit. We see nothing inventive in cascading the relay arrangement to any desired extent. We are unable to see that any new or unobvious result is obtained by the addition of further relays by the initial circuit closer and the final circuit. In the Cleaver device the field surrounding the permanent magnet is disturbed by the passage of a train, the wheels and axles of which bridge the terminals of the permanent magnet. It is well-recognized, however, that any disturbance to a magnetic field of the type here involved will set up an appreciable flow of current in a conductor disposed about the magnet. A number of the references relied upon show combinations similar to that of Cleaver, wherein use is made of this well-known principle. The Cleaver magnet is to some extent housed by the part shown in section in Fig. 4. We see nothing inventive in providing a non-magnetic casing for the parts in view of the disclosure of this figure.

Counsel for appellant argues in his brief that as the combination defined in the appealed claims is new and useful, nothing more is necessary to make it patentable. We quote from the brief of counsel: "That a device is new and useful is all that is required by the patent law to constitute patentable invention."

[2] It is obvious from a study of the references and the appealed claims that appellant's device is new, and it may be conceded that it is useful; nevertheless, as stated by the Supreme Court in the case of *Thompson* v. *Boisselier*, 114 U. S. 1, 31 O. G. 377—

"it is not enough that a thing shall be new, in the sense that in the shape or form in which it is produced it shall not have been before known, and that it shall be useful, but *it must, under the Constitution and the statute, amount to an invention or discovery.*" [Italics ours.]

See also *In re Edwin G. Staude*, 18 C. C. P. A. (Patents) 894, 46 F.(2d) 579, 405 O. G. 549; *In re John B. Burnham*, 19 C. C. P. A. (Patents) 723, 53 F.(2d) 534, 414 O. G. 299.

A "relay" is defined in Webster's New International Dictionary as follows:

3. Elec. An electromagnetic device by which the opening or closing of one circuit produces a corresponding opening or closing of another, more powerful one. • • •

In our opinion appellant has done nothing more than to cascade in an obvious way the relay arrangement disclosed in the prior art; that is, he has added a relay in a series.

"Cascade" is defined by the lexicographers as follows:

3. An arrangement of the parts of an apparatus so that fluid passes, or is conceived to pass, from one to another, down the series • • •.

Cascade system. Elec. A system or method of connecting and operating two induction motors so that the primary circuit of one is connected to the secondary

circuit of the other, the primary circuit of the latter being connected to the source of supply * * *. (Webster's New International Dictionary.)

[3] In view of the issues here presented, it is unnecessary to hold that there would be "nothing inventive in cascading the relay *arrangement to any desired extent*," as stated in the decision of the Board. [Italics ours.] It is sufficient to hold that we find nothing inventive in appellant's combination. Other minor matters are discussed in the opinions of the tribunals of the Patent Office; such as, for example, the enclosure of appellant's magnet bar in a non-magnetic casing. However, it is so clear that they do not lend patentability to the appealed claims that we deem it unnecessary to discuss them.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

PRESTON AND PRESTON
v.
WHITE

No. 3,960. Decided June 6, 1938

[97 F.(2d) 160]

1. INTERFERENCE—DILIGENCE.
"Evidence of efforts toward commercial exploitation of an invention is not evidence of diligence in reducing it to practice."
2. SAME—PRIORITY.
Evidence reviewed and *Held* insufficient to establish that P and P, the junior party, were diligent in attempting to reduce the invention to practice at and immediately prior to the filing of W's original application, of which his involved application is a division, and thereafter, until they filed their application, and that priority was properly awarded to W.

APPEAL from Patent Office. Affirmed.

Mr. Myron G. Clear (*Mr. Harry F. Riley* and *Mr. George C. Shoemaker* of counsel) for Preston and Preston.

Mr. Jerome R. Cox (*Mr. Francis P. Keiper* of counsel) for White.

HATFIELD, *J.*:

This is an appeal in an interference proceeding from the decision of the Board of Appeals of the United States Patent Office reversing the decision of the Examiner of Interferences, and awarding priority of invention of the subject matter defined in the counts in issue—Nos. 1 to 8, inclusive—to John W. White, appellee.

The invention relates to a hydraulic brake system for vehicles in combination with a hydraulically actuated stop light electric switch. The combination is sufficiently described in the counts in issue, of which count 1 is illustrative. It reads:

1. In combination, a hydraulic brake system that includes a master control container, means for forcibly contracting at will the control container, liquid operated brakes, piping leading from the interior of said master control container to said brakes, and an incompressible liquid within and filling the master control container and the pipes leading therefrom to the brakes; an electric system that includes a source of current supply, a signal and an electric switch having a movable contact member controlled as to switch opening and closing movements by a positionable member of a switch control container; and said switch control container that provides said positionable member for controlling the switch opening and closing movements of the movable contact according to pressure conditions of the incompressible liquid within the switch control container; said switch control container being in direct communication with the liquid containing space of the hydraulic brake system whereby upon force being applied in a manner to effect a contracting of the master control container there simultaneously results an increase in the pressure of the liquid and which increase of pressure is exerted against the movable member of the the switch control container as well as against the brake parts that are under the direct influence of the incompressible liquid in the hydraulic brake system.

The interference is between appellants' Patent No. 1,946,759, issued February 13, 1934, on an application, No. 364,266, filed May 18, 1929, and appellee's application No. 718,863, filed April 3, 1934. Appellee's application is a division of his application No. 317,933, filed November 8, 1928.

Appellants are the junior parties and the burden was upon them to establish priority of invention by a preponderance of the evidence.

It appears from the decision of the Examiner of Interferences that appellee's prior application, No. 102,701, filed April 17, 1926, which matured into Patent No. 1,744,940 January 28, 1930, also disclosed the involved invention.

However, counsel for appellee states in this court that, in view of the issues here presented, it is of no consequence whether appellee be granted the date of the filing of his first application (April 17, 1926) or the date of the filing of his application No. 317,933 (November 8, 1928), of which his involved application is a division, for conception and reduction to practice.

Appellee submitted no evidence, and is, therefore, restricted to the filing date of one of those applications for both conception and reduction to practice.

Appellants filed an application—No. 94,105—March 12, 1926, containing a claim for a hydraulic brake system in combination with a hydraulically actuated stop light electric switch, and also claims for the electric switch per se. Division between the claims for the electric switch per se and the claim for the combination was required by the Primary Examiner, and, on March 24, 1927, appellants canceled the combination claim, and elected to prosecute in that application claims to the electric switch per se.

Due to the failure of appellants to respond timely to a Patent Office action, that application became an "abandoned application" on February 20, 1928, at which time appellants' application contained no claims to the invention here in issue.

Appellants' involved application also contained claims for the combination of a hydraulic brake system and the electric switch, and claims for the electric switch per se. Division was required by the Primary Examiner on December 6, 1929. (Shortly thereafter, on January 28, 1930, appellee's Patent No. 1,744,940 was issued on application No. 102,701, filed April 17, 1926. The claims in that patent are for a hydraulic electric switch per se.) In response to the requirement of division, appellants elected to claim in the involved application a hydraulic brake system in combination with their hydraulic electric switch, and a patent, the one here involved, was issued to them containing claims for the combination only.

We have briefly related the history of events preceding the declaration of the interference so that the evidence introduced by appellants may be clearly understood and properly applied to the issues in the case.

Counsel for appellants contend that appellants conceived the invention and successfully reduced it to practice during the period from August 31, 1924 to September 3 of that year; that they filed an application fully disclosing and claiming the invention on March 12, 1926; that, although that application was abandoned, appellants never abandoned the invention or ceased in their efforts to secure patent protection therefor; that their original application was not abandoned through negligence on their part, but merely through inadvertence; that, due to financial difficulties, they were unable to file a new application for the invention prior to the time of the filing of the one here involved; that, if the court should hold that appellants failed to reduce the invention to practice in 1924, the record clearly establishes that they were diligent in an effort to reduce it to practice since immediately prior to the time appellee entered the field; and that, therefore, appellants are entitled to an award of priority.

As hereinbefore noted, the tribunals of the Patent Office disagreed as to the proper conclusion to be reached from the evidence in the case; the Examiner of Interferences holding that appellants had successfully reduced the invention to practice in 1924, and that, therefore, the question of diligence was not in the case. The Board of Appeals was of opinion that the evidence was insufficient to establish a successful reduction of the invention to practice in 1924; that appellants had failed to establish diligence in reducing the invention to practice subsequent to the abandonment of their original application; that such abandonment was not through inadvertence, but was due to their negligence; and that no attempt was made to have that application revived, which might have been done.

In its decision denying appellants' petition for rehearing, the Board of Appeals called attention to the fact that appellants, with nominal expense, could either have made a response to the Examiner's action so as to have prevented their original application becoming abandoned, or, subsequent to such abandonment, could have filed a petition for the revival of that application. The Board further stated that—

"Inasmuch as White has a date of November 8, 1928, at least, and has been conceded by Preston et al. to have a date of April 17, 1926, it is obvious that White must prevail, since the party Preston et al., due to their lack of diligence are not entitled to a date earlier than May 18, 1929."

From what has been said, it must have been clear to appellants and their counsel at the time of the taking of the testimony in this case that the testimony should relate to a hydraulic brake system in combination with a hydraulically actuated stop light electric switch, and not merely to the electric switch per se.

It appears from the evidence of record that appellants, in 1924, operated a garage in Hornell, New York; that they had the agency for the Jordan automobile in that territory; that a considerable portion of their business was that of repairing automobile brakes; that at that time hydraulic brakes in combination with a mechanically operated stop light switch were being used by but two automobile manufacturers; and that in the late summer or early fall of that year appellants received for sale a Jordan Straight Eight, which was equipped with hydraulic brakes and a mechanical stop light switch. It was the first Jordan Straight Eight received for sale in that territory.

It appears from the testimony of the appellants that they conceived and constructed the stop light switch (Exhibit A), which corresponds to the switch element in the counts in issue, and attached it to the hydraulic brake system on the Jordan Straight Eight on or about August 31, 1924; that the switch was attached to the hydraulic brake system by removing a plug on the brake lines, screwing the stop light switch in place, and connecting the wires on the original mechanical stop light switch to appellants' switch. Each of the appellants testified that their stop light switch operated; that is, when the brakes were applied, the light went on, and when the brakes were released the light went off, thus clearly indicating that the hydraulically actuated stop light switch operated successfully.

The issue before us is not whether the stop light switch operated successfully, but rather whether the brake system and the stop light switch in combination operated successfully.

It appears that the Jordan Straight Eight was used as a demonstrator by appellants in an effort to sell it, and that it was driven about the streets of Hornell, New York, for that purpose. Whether the stop light switch operated successfully in combination with the brake system of the Jordan car does not clearly appear even from the testimony of appellants, neither of whom was asked directly concerning the successful operation of the combination.

The witness Kenneth D. Preston stated that the Jordan Straight Eight was used for demonstration purposes; that when the brakes were operated the switch operated; and that others had seen him operate the brake system in combination with the stop light switch.

The witness Hamilton W. Preston stated that the brakes on the car were operated under both normal and abnormal conditions, and that appellants had "accomplished a fully enclosed dependable means of signaling when a stop was to be made".

Appellants' witnesses John A. Hunter, Charles W. Stoddard, and Thomas H. McGreevy testified that they witnessed a demonstration of the application of pressure to the brake pedal of the Jordan car, and that such pressure operated appellants' stop light; that is, when the pressure was applied, the light went on, and when the pressure was removed, the light went off. Not one of those witnesses testified, however, that he had operated the brake pedal or had seen it operated while the car was in motion.

We think the testimony of those witnesses in con-

junction with the testimony of appellants is amply sufficient to establish that appellants' stop light switch (Exhibit A) was attached to the Jordan car in the manner hereinbefore described, and that the stop light switch itself operated successfully. We are unable to hold, however, that there is any corroborating evidence tending to establish that the brake system and appellents' stop light switch in combination operated successfully.

It is true that the witness McGreevy stated that pressure applied to the brake pedal caused the stop light to operate the same as it did the brakes, but there is nothing in his testimony to indicate that he actually witnessed a demonstration from which it might be determined that the brake system and appellants' stop light in combination operated successfully. The testimony of appellants' witnesses was taken approximately eleven years after the happening of the events concerning which they testified. In view of the history of appellants' applications prior to the declaration of the interference, it is evident that if any one of their witnesses was able to recall a demonstration which showed a successful operation of appellants' stop light switch and the brake system in combination he would have been asked to so testify. However, appellants' witnesses were not even interrogated on that subject.

It is argued, in effect, that it is reasonable to assume that if the stop light switch worked when attached to the brake system of the Jordan car, the two worked successfully in combination. That assumption was indulged by the Examiner of Interferences; it being his theory that as the Jordan car was operated as a demonstrator and as the hydraulic brakes were a novelty at that time, the brakes were probably operated frequently.

We must decline to assume the existence of facts which should have been established by evidence in the case. Nor do we deem it necessary to attempt any explanation as to why the combination of appellants' stop light switch and the brake system of the Jordan car might or might not have worked successfully.

We must hold, therefore, that the evidence is wholly insufficient to establish that during the period from the latter part of August to September 3, 1924, when the Jordan car was sold by appellants, or at any time thereafter, appellants actually reduced the involved invention to practice.

As hereinbefore noted, appellants' application, filed March 12, 1926, became abandoned February 20, 1928, and can not be considered in the instant case as a constructive reduction to practice. *Carty* v. *Kellogg*, 7 App. D. C. 542, 74 O. G. 657.

The question presented, therefore, is whether appellants were diligent in reducing the invention to practice immediately prior to November 8, 1928, at which time appellee's original application, of which his involved application is a division, was filed.

It is argued by counsel for appellants that the abandonment of their original application was not due to their negligence, but was due to the—

"direct result of failure of their attorney to file a response to the official action of August 20, 1927. The attorney's excuse was that he did not have his file papers in hand, but it is well known he might, through a Washington associate, have had a response made from the official file in the Patent Office. The attorney's file was in the hands of Edward Augustine of Buffalo, for the purposes set forth in the stipulated testimony of Mr. Augustine * * *. The letter notice of abandonment of the attorney Valk * * * *speaks for itself* and nothing appears to show the Prestons had any intention of abandoning the application or the invention." [Italics ours.]

It appears from the testimony of Mr. Augustine that he had possession of appellants' attorney's "file" for the purpose of

"attempting to raise money for the Preston brothers upon the basis of the invention included in * * * (their) application".

Appellants' Exhibit C is a letter dated February 28, 1928, from their then patent attorney William Valk, Jr., addressed to the Preston Motor Car Company, Hornell, New York, wherein it is stated that each official action of the Patent Office relative to appellants' original application was required to be answered within six months; that such information had been previously imparted to appellants; that the last Patent Office action was on August 20, 1927; that a reply thereto was due not later than February 20, 1928; that he was unable to respond to the last Patent Office action because he did not have a copy of it before him; that he had written appellants on December 7, 1927, requesting the return of his file or papers in the case (which included a copy of the last Patent Office action), but that appellants had failed to return it; that appellants' application was technically abandoned, and the "only way in which the application" could "be reopened" was "by filing anew"; and that such renewal would necessitate the payment of the customary filing costs. Mr. Valk concluded his letter with the following statement:

As such abandonment is entirely due to a lack of cooperation on your part, I presume it is your intention to have me discontinue my effort toward securing for you an allowance. If the contrary is the case, you should advise me at once of your desires in the matter.

It is apparent from that exhibit that appellants' then attorney was definitely of opinion that appellants had not cooperated with him in the prosecution of their original application.

We find nothing in the stipulated testimony of Mr. Augustine to indicate that appellents' attorney Mr. Valk was in error when he stated that the abandonment of appellants' application was due to their failure to cooperate with him.

There is evidence to the effect that appellants were in financial difficulties at the time of the abandonment of their original application and prior and subsequent thereto.

One of the joint inventors, Kenneth D. Preston, testified that subsequent to the abandonment of their original application he tried to obtain money from the witness Mellinger and others to finance the filing of a new application, and that he finally obtained the money from Mr. Mellinger.

The witness Hamilton W. Preston, however, in answer to the query "What were you trying to get Mr. Mellinger to do?" replied: "Fundamentally, we were trying to get Mr. Mellinger to put some money with us to get this device marketed or on the market."

Mr. Mellinger testified that on several occasions appellants requested loans in small amounts; that during 1926 and 1927 they requested him to help them regarding "their patent"; that in the spring of 1927 he went to Buffalo with appellants where they interviewed a friend of his who was mechanically inclined and was also interested in patent matters; that sometime in 1928 and 1929 he advanced small sums of money to appellants for some legal work; that he advanced about $200 "all told for this legal work and the incidental expenses of driving over, back and forth, and hotel and so on"; and that he lost interest in appellants' affairs when Mr. Simms, who was then acting as attorney for appellants, died sometime in 1929 or 1930.

We deem it unnecessary to state in detail all of the testimony of Kenneth D. Preston relative to his efforts to secure money to aid him in the exploitation of the invention. It may be observed, however, that he testified that from November, 1927, until the involved application was filed by appellants and thereafter, he was receiving a salary of $35 per week from the Pack Hardware Company, and that a part of his salary was used to pay off some of appellants' prior indebtedness.

Hamilton W. Preston, one of the joint inventors, testified that from the spring of the year 1928 until his departure for Florida in the latter part of that year, his time "was entirely devoted to converting into cash as far as possible everything we could liquidate to satisfy the loans made against us", and that after his departure he heard nothing more about the "possibility of filing a second application" until he received papers for his signature. Although the papers referred to by the witness undoubtedly related to the filing of the involved application, he did not so state, nor did he state when he received them. There is no evidence, therefore, that he made any effort to reduce the invention to practice or to file a patent application subsequent to the abandonment of the original application. Nor is there any evidence of record to establish that either of appellants made any effort to secure the cooperation of their attorney Mr. Valk in having their abandoned application revived or in the filing of a new one. That the abandonment of appellants' application was due to their negligence and not that of their attorney Mr. Valk, would seem to be clear from Mr. Valk's letter (appellants' Exhibit C).

Although Kenneth D. Preston testified that he tried to interest several individuals and companies in the filing of a new application to take the place of appellants' abandoned application, and from time to time tried to get the witness Mellinger to advance sufficient money for that purpose, there is no evidence to corroborate his testimony that he made any effort to secure money from the witness Mellinger or from anyone else for that purpose at or immediately prior to the time of the filing of appellee's application (November 8, 1928), or at any other specified date subsequent to the abandonment of the original application and prior to May, 1929, at which time, he stated in an affidavit of record, he secured a sufficient sum of money from the witness Mellinger to prepare and file a new application.

It has been established that appellants were attempting to raise money from the witness Mellinger and through the efforts of the witness Augustine to put their device on the market, and we think it clearly appears that there was no intention on their part to abandon the invention. However, evidence of efforts toward commercial exploitation of an invention is not evidence of diligence in reducing it to practice. *Petersen* v. *Thomas*, 56 App. D. C. 113, 10 F.(2d) 908, 347 O. G. 4. Furthermore, the evidence is wholly insufficient to establish that appellants were unable to pay the necessary expense of the preparation and prosecution of an application to take the place of their abandoned application at or immediately prior to the time appellee filed his application, or at any time thereafter. The plea of poverty as an excuse for appellants' failure to file a patent application under the related circumstances can not be sustained. See *Grabowsky* v. *Gallaher*, 39 App. D. C. 548, 191 O. G. 835.

The evidence of record is wholly insufficient to establish that appellants were diligent in attempting to reduce the invention to practice at and immediately prior to the filing of appellee's original application (November 8, 1928), and thereafter, until they filed their involved application.

For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE VETTER

No. 3,977. Decided June 6, 1938

[96 F.(2d) 999]

PATENTABILITY—PROCESS OF OBTAINING ANHYDROUS SODIUM BICHROMATE AND PRODUCT THEREOF.

Claims for a process of obtaining anhydrous sodium bichromate and claims for the product of said process *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. Arthur Wright for Vetter.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.:*

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Examiner rejecting all claims of appellant's application for patent entitled "Process of obtaining anhydrous sodium bichromate and product thereof". The claims are numbered 1 to 19, inclusive. Claims 1 to 15, inclusive, are method claims; the others are for the product. At the hearing before us counsel for appellant moved to dismiss the appeal as to claims 1, 4, 7, 10, and 13. This motion will be allowed.

As illustrative of the fourteen claims remaining in the case, we quote the following:

2. A process which comprises crystallizing anhydrous sodium bichromate from an aqueous solution at a temperature above 83° C. under a subatmospheric pressure.

6. A process which comprises crystallizing anhydrous sodium bichromate from an aqueous solution of dissolved impurities at a temperature of about 90° C. under a sub-atmospheric pressure of 24 to 25" of mercury.

11. A process which comprises crystallizing anhydrous sodium bichromate from a saturated aqueous solution down to one quarter the volume of the solution at a temperature above 83° C. under a subatmospheric pressure.

14. A process which comprises crystallizing anhydrous sodium bichromate from an aqueous solution of sodium sulphate and sodium chloride at a temperature above 83° C. under a sub-atmospheric pressure, thereby obtaining C. P. anhydrous sodium bichromate.

16. A granular body of individual separate crystals of anhydrous sodium bichromate without the presence of decomposition products of sodium bichromate.

The references cited are: Caspari, 1,003,875, September 19, 1911; Harms, 1,976,936, October 16, 1934; Ebner, 1,944,548, January 23, 1934; Briscoe, 1,443,616, January 30, 1923; British, 105,222, January 17, 1918; Chemical Abstracts, vol. 25 (1931), page 4091; Seidell—Solubilities of Inorganic and Organic Compounds, vol. 1, page 650, Van Nostrand, 1919, copy in Division 59.

In the statement of the Examiner after the appeal to the Board is found the following:

This application is directed to a process of producing anhydrous sodium bichromate. An aqueous solution of sodium bichromate containing dissolved impurities, such as sodium sulphate and chloride, is heated at a temperature above 83° C. and preferably not higher than 90° C. to drive off the water. * * *

The process is operated under reduced pressure, to increase the efficiency of the evaporating step and to obviate the necessity for heating to higher temperatures.

The patent to Caspari is for a process of making granular sodium bichromate. He starts, according to the specification,

"from crystallized bichromate of sodium obtained as small crystals by crystallization in motion, or from some similar form of the water containing salt granulated *e. g.* by grinding and screening."

The substance is dehydrated, by a process described, it being taught that—

"The dehydration proceeds without any material change of the form of the crystals or of the granules and without any formation of dust."

The patents to Briscoe, Ebner, and Harms show processes of evaporation of various salts by use of a vacuum that is under subatmospheric pressure. The patent to Tucker relates to a process for the reclamation and saving of the unused excess of sodium or potassium bichromate from waste liquor baths. It points out that a vacuum evaporator may be used in carrying out the process. Also, it teaches that when the bichromates have been recovered in crystal form, they "may then be further purified by resolution in boiling water and recooling, when very pure crystals are obtained".

The publication of Seidell discloses the temperatures, concentrates, and solid phase for two forms of sodium dichromate (which is the same as sodium bichromate). One of these forms contains water of crystallization; the other is the anhydrous form.

The Chemical Abstracts publication contains a paragraph on the purification of technical sodium dichromate in which pure sodium dichromate is obtained in hydrated form by a process of crystallization.

We first consider the product claims.

In the statement of the Examiner it is said:

Claims 1 to 19, all the claims, stand rejected on Caspari in view of Seidell for the temperature of crystallization and the other references for the reduced pressure feature.

The product claims, 16 to 19, were also rejected on the Chemical Abstracts publication in view of Seidell, it being said:

Chem. Abstracts discloses a method for obtaining pure dihydrate of $Na_2Cr_2O_7$. To dehydrate this product by heating is not patentable, nor by recrystallization at 90° from aqueous solutions in view of Seidell.

The broad statement in the first ground of rejection by the Examiner, quoted supra, to the effect that all the claims stand rejected upon Caspari in view of Seidell for the temperature feature, and in view of the other art for the reduced pressure feature might, without an analysis of the remainder of the Examiner's decision, leave the impression that the Caspari patent entered into his rejection of both the method and product claims. Such, however, does not seem to be the case, and this view is confirmed by the statement in the brief of the Solicitor for the Patent Office that "reference to Caspari has not been relied upon as disclosing any features of the *process* claimed". [Italics ours.]

The Board approved the rejection of the product claims on the Chemical Abstracts publication in view of the Seidell publication, adding the opinion that Seidell alone is sufficient to anticipate them. It also approved the rejection of them upon the Caspari patent.

Appellant's brief, discussing the product claims, insists that the Seidell publication—

"says nothing whatsoever about any crystals of nor anything about crystallizing the anhydrous form,"

and that nowhere—

"in the prior art * * * has there been any mention previously of the crystals of this [anhydrous sodium bichromate] compound."

As to the Caspari patent, it is argued, in effect, that the anhydrous sodium bichromate produced is not crystalline but amorphous. As to the Chemical Abstracts reference, the brief simply asserts that it "does not show the anhydrous sodium bichromate". It is also argued that the Caspari patent does not disclose a product "without the presence of decomposition products".

It will perhaps aid in understanding the issues respecting all the claims to quote pertinent definitions of certain terms used in some of them and in the foregoing argument. The quotations are from Webster's International Dictionary:

Crystal 4. A body formed by the solidification, under favorable conditions, of a chemical element, a compound, or an isomorphous mixture, and bounded by plane surfaces symmetrically arranged, which are the external expression of a definite internal structure. * * *

Amorphous 1. Having no determinate form; of irregular shape * * * specif., of solids, without crystallization in the ultimate texture. * * *

Anhydrous *a*. Destitute of water, esp. water of crystallization; as anhydrous salts.

Decomposition 4. * * * separation into components; specif., decay or dissolution.

The chemical formula for anhydrous sodium bichromate (or dichromate) is $Na_2Cr_2O_7$.

It is true that the Seidell publication does not make use of either the term "crystals", or the term "crystallizing", and it is conceded in the brief of the Solicitor for the Patent Office that the process of purification disclosed by the Chemical Abstracts publication is one of purifying hydrous, not anhydrous, sodium bichromate. However, both show an ultimate product corresponding to the formula quoted,

and it may be remarked that there is nothing in either publication which defines such product as being amorphous.

Whatever bearing the publication references may have upon the product claims at issue, it seems quite clear to us that the teaching of the Caspari patent is sufficient to anticipate them. As has been pointed out, Caspari starts with small water-saturated crystals of sodium bichromate and dehydrates them without causing any material change in the form of the crystals and without the formation of any dust. In connection with the definition of crystal, above quoted from Webster's New International Dictionary, we find the following:

Crystals have the property of growing indefinitely by addition from the outside. The faces often develop unequally, but the angles between them remain constant, and each species has its fixed axial ratio.

The Caspari patent teaches that his process can be modified by adding a solution of sodium bichromate while the material is being dried until the crystals or granules reach the desired size, and it is stated that the product consists of spherical granules free from dust.

It would seem obvious, as argued, in substance, by the Solicitor for the Patent Office, that if there be no change in the form of Caspari's crystals when the hydrous sodium bichromate is dehydrated and becomes anhydrous, the product so resulting is crystalline in form and not amorphous.

With respect to the process claims, it is noted that two general features are present in all of those now before us; viz., (1) the temperatures at which crystallization is carried out—"above" 83° C., "about" 90° C. being specified in some of the claims, and (2) crystallization under a sub-atmospheric pressure, that is by the use of a vacuum.

The Examiner declared that the lower temperature limit, 83° C.,

"is critical since below this temperature the hydrated form is the stable solid phase, the anhydrous form being obtained at temperatures above 83° C."

He also said that—"The upper limit, 90° C. is preferred because sodium sulphate is less soluble at 90° than at 83° C." It was also stated that the higher limit "is adopted to avoid any danger of decomposition * * *".

After so stating, however, the Examiner said:

Purification of salts by recrystallization is a well known method of purification, see Briscoe et al. Applicant takes impure dichromate, dissolves it in water, and recrystallizes it, at temperatures above 83° C. It was known that the solid phase in equilibrium with a saturated aqueous solution of sodium dichromate is $Na_2Cr_2O_7 \cdot 2H_2O$ at circa 81° C. and below, and the anhydrous salt at higher temperatures. Seidell is cited as evidence. Therefore to cause the recrystallization to occur above 81 or above 83° C. would be obvious to any competent chemist skilled in the art, where the anhydrous salt is desired.

Since economy in the heating operation would dictate that no temperature higher than actually necessary be employed, it is obvious to operate in the 90° C. range. It was also known that sodium sulphate is less soluble in hot than in cold water, see any chemist's handbook. This would be one more reason for not carrying the temperature during crystallization any higher than necessary to crystallize the anhydrous salt. The upper limit, 90° C. is not particularly critical, sodium dichromate (i. e., bichromate) decomposing at a much higher temperature. It melts at 320° C. and decomposes at 400° C. with the evolution of oxygen.

Touching the feature of crystallizing under a subatmospheric pressure (that is by use of a vacuum) the Examiner pointed out, with citation of the pertinent references that evaporation under a vacuum is a common method of evaporation and "is ordinarily employed where evaporation at low temperatures is desired".

In approving the grounds of rejection advanced by the Examiner, the Board said:

As to the process, Seidell shows the separation of solid phase sodium bichromate in the anhydrous form at 93°. This sodium bichromate would obviously be presumed to be pure or if not pure, there would be no invention in purifying it before crystallization. Seidell does not give 83° as a lower limit for the separation point of the anhydrous crystals, but we see no patentable invention in the determination of 83° as the lower limit for the separation of the anhydrous form and the same is true of determining 90° as the upper limit.

The various references in the claims to impurities, as we have indicated, are not critical and are devoid of novelty. Sodium bichromate can be either pure or impure and if in the latter condition, from following the teachings of Seidell and applicant the anhydrous crystals of sodium bichromate separated out would naturally be pure.

The use of sub-atmospheric pressures in crystallization is conventional and shown by the British patent.

The prior art clearly teaches the obtaining of pure crystals by crystallizing hydrous sodium bichromate by the same process which appellant applies in producing anhydrous sodium bichromate in crystal form.

In the case of *Paramount Publix Corp.* v. *American Tri-Ergon Corp.*, 294 U. S. 464, 473, 452 O. G. 701, the Court said:

The application of an old process to a new and closely analogous subject matter, plainly indicated by the prior art as an appropriate subject of the process, is not invention [citing cases].

In view of the state of the art, as above set forth, we are unable to agree that the process claims of appellant are patentable upon the basis of the general features described, nor do we find any specific limitations in any of them which seem to lend patentability.

The appeal is dismissed as to claims 1, 4, 7, 10, and 13. As to all others, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE KARPLUS

No. 3,990. Decided June 6, 1938

[97 F.(2d) 100]

PATENTABILITY—PROCESS FOR THE PRODUCTION OF AN ARTIFICIAL SILK.

Certain claims for a process for the production of an artificial silk *Held* unpatentable over a prior art patent previously involved in an interference involving the instant application.

APPEAL from Patent Office. Affirmed.

Mr. Francis B. Leech (*Mr. Paul R. Ames*, *Mr. Thomas H. Byron*, *Mr. Albin F. Knight* and *Mr. Richard K. Stevens* of counsel) for Karplus.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Examiner denying the patentability of two claims, numbered, respectively, 85 and 86, of appellant's application for a patent relating to artificial silk. A number of claims both

for method and product stand allowed. The appealed claims are process claims. They read:

85. A process for the production of an artificial silk filament having a dull lustre resembling that of natural silk, which consists in adding in a fine state of suspension to a solution for forming the artificial silk, one or more substances which provide light interference and which are insoluble in this solution, and spinning said solution into a setting bath, whereby the resulting filaments acquire a dull lustre.

86. In the preparation of artificial silk, the step of preparing a highly dispersed suspension of delustering materials, thoroughly mixing such suspension with the spinning solution and spinning the artificial silk.

The references cited are: Marchand, 956,390, April 26, 1910; Singmaster, 1,725,742, August 20, 1929.

In the brief for appellant there appears the following:

The claims on appeal are directed to a procedure whereby the uniform and high dispersion of the finely divided delustering material throughout the cellulosic solution may be satisfactorily accomplished, and without excessive agitation of the cellulosic solution. This is done by first preparing a highly dispersed suspension of the delustering materials (i. e., a suspension in which the particles are widely separated from each other, relative to their size), then thoroughly mixing this highly dispersed suspension with the main portion of the cellulosic spinning solution and spinning the artificial silk.

The patent to Singmaster is entitled "Artificial-Silk filament and method of making same." It appears that at one time this patent was involved in an interference with appellant, claims 4 and 5 of the patent constituting the counts. The claims here on appeal do not seem to have been mentioned in the interference, but it was held by the Examiner that they "are rejected as no invention over the Singmaster patent with which applicant was in interference * * *."

In denying a petition for rehearing, the Board said:

In regard to Singmaster, it appears from the Examiner's action of June 13, 1936, that the rejection is not on the ground of Singmaster being a mere reference but because of the interference record. It is not obvious that Singmaster's disclosure would not have supported such claims as 85 and 86, hence they might have been proposed for interference purposes.

The patent to Marchand discloses a process in which a paint containing powdered aluminum is made by mixing all the ingredients except the aluminum, this being added after being mixed in oil or turpentine. This patent was not referred to until the second decision of the Board where it was given as an example of the conception of first making a suspension of finely divided material and thereafter adding it to a solution. It was held that—

"such broad conception involves no patentable distinction over conventional methods of mixing paints where pigments are first mixed or suspended in one liquid and then the mixture added to the main body of oil to constitute paint."

With respect to the Singmaster patent, it is urged by appellant that it does not disclose the procedure defined in the appealed claims; that it was a patent at the time of the interference so that the appealed claims,

"directed to a different invention from that claimed in that patent, could not have been proposed for the purpose of an interference."

and that the filing date of the Singmaster patent was subsequent to the effective filing date of appellant's application.

As to the practice in the paint art, illustrated by the patent to Marchand, appellant argues, first, that such practice is different from the procedure followed in the appealed claims, and, second, that the respective arts are not analogous.

It should be understood that the basis of the use of the Singmaster patent, as pointed out by the Solicitor for the Patent Office (also pointed out, in effect, by the Board), "is not its date, but the fact that appellant was involved in interference proceedings with it."

It may be conceded that there are limitations in the appealed claims which are not disclosed in the Singmaster patent, but the question is whether such limitations constitute patentable matter over that which the patent does disclose. The rule was stated by us in the case of *In re Cole*, 23 C. C. P. A. (Patents) 1057, 1063, 82 F.(2d) 405, 470 O. G. 725, (a number of authorities being cited), as follows:

We therefore hold, in harmony with our decisions hereinbefore cited, that in order to warrant the allowance of the claims before us the claims must be inventively different from said interference counts; or, in other words, the specific details or limitations in the claims before us not found in said interference counts must, when combined with the structure embraced in said counts, involve invention over said counts.

Claim 4 of the Singmaster patent, which was one of the counts of the interference, reads:

4. An artificial silk filament having its opacity and covering power increased by having submerged in and widely distributed throughout its mass a small percentage of small particles of pigment-like inorganic material the quantity and distribution of the particles being such as not to materially impair the continuity of the mass of the filament.

The foregoing is a product claim, it is true, while the appealed claims are method claims, but Singmaster also has method claims (just as appellant here has been allowed both method and product claims) and claim 4, supra, seems obviously to be a product produced by the method defined in claim 1 of the patent. It is not questioned that, as stated by the Examiner, Singmaster—

* * * discloses the idea of adding pigment-like materials to a spinning solution prior to extruding it to form filaments and also discloses that an oil may be added to aid in the distribution of the pigment in the solution.

The appealed claims provide for adding to the spinning solution one or more solid substances in suspension. The Examiner said:

The point of novelty of these * * * claims is that the solid substance is distributed in the solution by first preparing a suspension of the solid substance and adding the suspension to the solution.

With respect to this, the Examiner subsequently held (a holding in which the Board concurred):

To mix the oil and pigment prior to adding to the solution involves no invention. This process of pigmenting solutions has been practiced from time immemorial in such processes as used in mixing paints, etc.

It is insisted on behalf of appellant that Singmaster's process is "merely the practice of adding directly to the spinning solution an agent to assist in distributing the inorganic particles" and that the patent contains no suggestion, such as that embodied in the appealed claims, of preparing a highly dispersed suspension of delustering materials, thoroughly mixing such suspension with the spinning solution, or adding the material in a fine state of suspension. Hence, it is said that the claims do not read on the Singmaster disclosure and could not have been made counts in the interference.

Granting the foregoing to be a correct statement, the question still remains whether the limitations in the claims not reading on the patent disclosure are patentable limitations—that is, whether they render the claims patentably distinct.

We are not convinced that the step of first preparing the solid substance in suspension and then adding it to the spinning solution constitutes novelty. No chemical question is involved here, and we are unable to attribute patentability to the physical steps, as defined in the claims, over the method of mixing all the ingredients at once.

It may be remarked that appellant's specification itself teaches that the same result obtained by the method defined in the claims may also be obtained by mixing all the ingredients at once, and examples are given of such a mode of procedure.

In the view which we take of this case, we need not discuss the issue of non-analogous art raised with respect to the Marchand patent. The limitations in the claims do not present matter patentably distinguishable from the Singmaster patent, and the rule followed in the case of *In re Cole*, supra, is applicable here.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

KREIDEL *v.* PARKER

No. 3,962. Decided June 6, 1938

[97 F.(2d) 171]

INTERFERENCE—PRIORITY.

Evidence reviewed and *Held* that the junior party P, who was the first to conceive the invention, failed to establish diligence in reducing the invention to practice between just prior to K's filing date and P's subsequent constructive reduction to practice, and *Held* that priority should have been awarded the senior party K.

APPEAL from Patent Office. Reversed.

Mr. Edwin R. Hutchinson (*Messrs. Cooper, Kerr & Dunham* and *H. Frank Wiegand* of counsel) for Kreidel.

Messrs. Mason and *Porter* (*Mr. Eugene G. Mason* and *Mr. Charles L. Sturtevant* of counsel) for Parker.

LENROOT, *J.*:

This is an interference proceeding wherein the Board of Appeals of the United States Patent Office reversed a decision of the Examiner of Interferences which awarded priority of invention of the subject matter of the interference to appellant.

The interference arises between an application for patent filed by appellant on October 25, 1933, and an application filed by appellee on November 6, 1934. Appellant is therefore the senior party, and the burden was upon appellee to establish priority of invention by a preponderance of evidence.

The issue embraces one count, which reads as follows:

A tube coupling comprising a body having means for attachment to a part to which a tube is to be connected, said body having a shoulder formed therein as an abutment for the end of a tube and having a flaring mouth leading to said shoulder, a sleeve having an annular part with an edge sufficiently hard to cut into the tube, and means to force said sleeve into said flaring mouth and longitudinally of the tube thereby to contract said annular part and cause said edge to shear the outer surface of the tube and form a ridge of appreciable size thereon without appreciably deforming the internal surface of the tube.

Said count originated in appellant's application and was suggested to appellee by the Primary Examiner. Appellee copied the same for the purposes of interference.

The invention is concisely described in appellee's brief as follows:

The count defines the invention as residing in a tube coupling per se. The tube coupling consists of three parts:—a body, a gripping sleeve and a cap nut having threaded connection with the body portion. The body portion is defined as having a shoulder formed as an abutment for the end of the tube and a flaring mouth leading to said shoulder. The gripping sleeve is defined as having an annular part with an edge sufficiently hard to cut into the tube. The cap nut is defined as a means for forcing the sleeve into the flaring mouth and longitudinally of the tube so as to cause the annular part of the sleeve to contract and shear the outer surface of the tube to form a ridge of appreciable size without appreciably deforming the internal surface of the tube.

The interference was declared as of April 29, 1935.

Appellant in his preliminary statement alleged conception of the invention "on or about August, 1931", disclosure to others "on or about October, 1931", and reduction to practice in Germany on November 30, 1932; that said invention was first introduced into the United States on or about October 25, 1933, and that a patent for said invention was applied for by appellant in Germany on November 26, 1932; that applications for patent for said invention were applied for in Great Britain on May 16, 1933, and in other countries at subsequent dates.

On December 14, 1935, appellant gave notice that he would rely upon the filing of his German application on November 28, 1932, as a constructive reduction to practice of the invention. Said application appears in the record and is dated November 28, 1932.

Appellee in his preliminary statement alleged conception and disclosure to others on or about the 1st day of July, 1926; with respect to reduction to practice the statment alleged:

* * * that he first embodied his invention in a full-size device which was completed on or about the 1st day of July, 1926, and that the device was successfully used in the laboratories of The Parker Appliance Company, at Cleveland, Ohio; that several other couplings embodying the subject-matter of the count of the Interference were made on or about September 1, 1934; that he has never put the coupling into production, and sold the same publicly; that he began to be active in adapting and perfecting the invention on or about the 1st day of July, 1926.

It will be observed that no date is alleged by appellee for reduction to practice of the invention. However, inasmuch as appellant's reasons for appeal assign no error in not confining appellee's reduction to practice to the filing date of his application, it is unnecessary for us to consider the question of whether appellee, under his preliminary statement, should have been confined to the filing date of his application for conception and reduction to practice.

Appellant took no testimony, but relied upon his United States application, and also, for conception

and reduction to practice, relied upon the date of his German application, November 28, 1932.

Appellee took testimony to establish priority of invention, and contended that the evidence showed a reduction to practice in 1926 and a second reduction to practice in 1932 or early in 1933.

Both the Examiner of Interferences and the Board of Appeals held that appellee had not established reduction to practice of the invention in 1926, and before us appellee stated that he accepted these concurring decisions of the Patent Office tribunals and would rely upon reduction to practice of the invention in 1932 or early in 1933.

Both the Examiner of Interferences and the Board of Appeals held that appellant was restricted to the filing date of his United States application, October 25, 1933, for conception and constructive reduction to practice of the invention.

The Examiner of Interferences further held that appellee's Exhibits 2 and 3, upon which he relies for reduction to practice do not support the count in that the internal surface of the tube in each of the exhibits is "appreciably" deformed; said Examiner also held that it had not been satisfactorily established that said Exhibits 2 and 3 were made prior to November, 1933, and that, assuming that they were made prior to said time, the evidence did not establish that said exhibits were sufficiently tested to constitute a reduction to practice. He therefore awarded priority of invention to appellant.

The Board of Appeals agreed with the Examiner of Interferences that appellant was not entitled to the date of the filing of his German application for conception and reduction to practice of the invention, but held that appellee's Exhibits 2 and 3 support the count, that they were successfully tested prior to any date that can be accorded to appellant, and therefore reversed the decision of the Examiner of Interferences and awarded priority of invention to appellee. From such decision this appeal was taken.

We will first consider appellant's contention that he is entitled to the date of his German application for conception and reduction to practice of the invention.

It will be observed that the count calls for a—

"body having a shoulder formed therein as an abutment for the end of a tube and having a flaring mouth leading to said shoulder."

Both of the Patent Office tribunals held that appellant's German application did not disclose a shoulder as required by the count.

Upon this point the Board of Appeals in its decision stated:

In the German application referred to, the conically tapered portion of one coupling element by which constriction of the cutting sleeve is effected is continuous from end to end. A portion of this tapered surface may be utilized to prevent longitudinal movement of a tube with which the coupling is used but we agree with the Examiner of Interferences that a construction of this sort does not fairly satisfy the limitation in question, especially as the domestic application clearly shows a construction which does satisfy it.

The Examiner of Interferences upon the same point stated:

It is not believed that the count, as thus construed, is readable on Kreidel's German application. The shoulder, which is a vital element, is recited as distinct from the flaring mouth. In attempting to read the count on the German application, it is not possible, until the tube is inserted, to tell where the shoulder ends and the flaring mouth begins. It is thought that the count requires that the shoulder and mouth be distinct parts and not arbitrary divisions of a single element. Kreidel will accordingly be restricted to his date of filing in this country—October 25, 1933.

We are in accord with the view of the Examiner of Interferences that the count requires that the shoulder and flaring mouth be distinct parts, and not arbitrary divisions of a single element.

While it is true that the count should receive the broadest interpretation that its terms will reasonably permit, we are of the opinion that we would not be warranted in holding that a part of the flaring mouth of the device disclosed in the German application constituted a shoulder as required by the count.

As hereinbefore noted, the filing date of appellant's United States application is October 25, 1933. Therefore, in view of the above holding, if appellee conceived and reduced to practice the invention prior to said date, or if he conceived prior thereto and was diligent from immediately prior to October 25, 1933, until he reduced to practice, the Board of Appeals did not err in awarding priority of invention to appellee.

As hereinbefore observed, the Examiner of Interferences held that appellee had not established that said Exhibits 2 and 3 were made prior to appellant's United States filing date; or, if made prior to said date, it did not appear that, assuming that they support the count, they had been sufficiently tested to constitute a reduction to practice. He further held that said exhibits do not support the count by reason of a ridge formed upon the inner surface of the tube.

Upon this branch of the case we will first consider whether said exhibits support the count. Each of the exhibits shows a deformation upon the inner surface of the tube, discernible to the eye.

Upon this point the Examiner of Interferences stated:

Finally, it is not believed that Exhibits 2 and 3 support the count, which calls for the formation of a ridge of "appreciable size" without "appreciably deforming the internal surface of the tube." In accordance with the usual meaning, an appreciable change is one which can be detected by the senses and such a change has obviously been made in the inner surface of the tube of each of these exhibits. Further, while the sleeve has cut into the tube to a rather large extent, the actual ridge formed above the surface of the tube is very slight. Accordingly, if this ridge is appreciable, that term must include very small amounts and is thus applicable to the deformation of the inner surface. • • •

The Board of Appeals expressed the view that the Examiner of Interferences had given too narrow a construction to the word "appreciably" in the count, and held that said Exhibits 2 and 3 support the count.

It appears to us that, in construing the terms "appreciable" and "appreciably" as used in the count, consideration must be given to the connection in which such terms are used. The Examiner of Interferences held that if the ridge produced on these exhibits is appreciable, "that term must include very small amounts and is thus applicable to the deformation of the inner surface." We are not in agreement with this view of the Examiner of Interferences. In appellant's brief the purpose of the ridge upon the outside of the tube called for by the count is described as follows:

• • • The ridge serves as a continuous annular barb (somewhat like a ring of fish hooks) to prevent undesired withdrawal of the tube from the body portion. • • •

With respect to the absence of deformation upon the inner surface of the tube, appellant's written specification does not mention this feature. However, his drawings do not show any such deformation, although one of the drawings of his German application does show slight deformation of the inner surface of the pipe, as do appellee's Exhibits 2 and 3.

This is significant only because the language of appellant's United States application, describing the means by which the ridge on the outside of the tube is formed, is practically identical with the language of his German application upon that point. It would therefore seem that if the device disclosed in appellant's German application produces some deformation upon the inner surface of the tube, the same device disclosed in his United States application would also produce such deformation. However, this is important only in determining the meaning of the word "appreciably" as used in the count. We think both appellant and appellee had in mind that their respective devices would not produce such deformation upon the inner surface of the tube as to appreciably restrict the flow of liquid or gas therethrough.

In this view the word "appreciable," as applied to the ridge upon the outer surface of the tube, should be given a much more restricted construction than the word "appreciably" as applied to deformations upon the inner surface of the tube. A very small ridge thrown up by the cutting or shearing operation of the sleeve would prevent longitudinal movement of the tube, while a like deformation upon the inner surface of the tube would not, except in a very minor degree, affect the flow of liquid or gas through the tube.

We are therefore in accord with the view of the Board of Appeals that Exhibits 2 and 3 support the involved count.

We now come to a consideration of appellee's evidence respecting conception and reduction to practice of the involved invention. Both Patent Office tribunals held that a certain drawing, appellee's Exhibit 4, dated January 19, 1933, disclosing the invention, was made on said date; that it was disclosed to others on said date, and that appellee is entitled to said date for conception of the invention. As hereinbefore stated, the Examiner of Interferences held that appellee's proofs did not establish actual reduction to practice of the invention prior to the filing date of his application. He further held that appellee was not diligent in reducing it to practice from immediately prior to appellant's filing date, October 25, 1933, to appellee's filing date, November 6, 1934.

While, before the Patent Office tribunals, appellee contended that his evidence established conception and reduction to practice of the invention in 1926, both tribunals held to the contrary, and, as hereinbefore noted, appellee in this appeal accepts such finding and here makes no contention of conception and reduction to practice prior to the latter part of 1932.

Appellee, doing business under the name of the Parker Appliance Company, for many years has been engaged in the manufacture and sale of tube couplings, valves, and other associated products at Cleveland, Ohio. He testified that he conceived the involved invention in 1926 and embodied the same in a full-sized device, it being used upon a compressor in his establishment. The device so used was introduced in evidence as Exhibit 1.

Both tribunals of the Patent Office held that, assuming that said Exhibit 1 supported the count, there was not sufficient evidence to establish successful reduction to practice of the invention based upon said Exhibit 1.

Appellee further testified that he anticipated that there would be a basic objection to a coupling of the character here involved, having the ordinary steel sleeve, because of the corrosion problem, but that, with the advent of the use of stainless steel in his plant, he late in 1932 revived his interest in a steel sleeve coupling. He stated:

• • • *Along in 1932 or about 1932, late, we revived our interest in a steel sleeve coupling* of this general character and built numerous different couplings and worked on the idea of stamping out the sleeve from tubing which necessitated a considerable investment in dies, as well as locating a suitable source for stainless steel tubing of relatively thin wall, that is, within the ordinary proportions of the tubing we used, and also with a special outside diameter. The production difficulties there required quite a bit of time to analyze. *We built quite an extensive number of samples of couplings with stainless steel sleeves of the cutting edge really founded on this same basic principle.* [Italics ours.]

Appellee further stated that it was his usual practice to test couplings on assembly. He further testified:

Q. 41. Can you produce any of these couplings to which you have just referred to with the stainless steel sleeve? A. Yes, sir. There is two couplings of that style.

Q. 42. About when, Mr. Parker, did you start in making these couplings with the stainless steel sleeve? A. As near as I can determine along late in 1932, early '33, we spent considerable time on numerous styles, sizes and samples. • • • We have a hydrostatic pump capable of pressures up to more than 10,000 pounds. We usually test couplings of that type to destruction, that is, run the pressure to a high degree frequently, even blow them off, or break the tube, to determine their ability to withstand high pressure and then after testing, pressure testing, there are nearly always sample sections, in this manner, so that we can see just what takes place in any coupling, what the internal factors are. By observing a section of this kind you can readily see just how the metal acts under pressure and what the character of the joint may be.

Q. 44. State whether or not, Mr. Parker, you followed your usual procedure with these couplings, tested them? A. Yes, sir; they were tested in the usual manner.

Q. 45. Were they successful? A. Very satisfactory. • • • • • • •

Q. 46. Was any drawing made on this particular coupling with the stainless steel which you have produced? A. Was there any what?

Q. 47. Was there any drawing made of it? A. Yes; there was a drawing made at the time.

Q. 48. Can you produce the drawing? A. Yes; I have the drawing that was made for the purpose of a patent application.

Q. 49. Was this drawing made under your direction? A. Yes, sir.

Q. 50. By whom? A. By L. H. Schmohl.

Q. 51. He is a draftsman regularly employed by you for that purpose? A. Yes, sir.

Q. 52. Does he do something more than drafting work? A. He frequently follows up new jobs and watches the test work and reports to me, when I am too busy to get out and see the results of the tests.

Q. 53. He is with you now, is he? A. Yes, sir.
Q. 54. Who had charge of the manufacturing work at the time when these two couplings, which you have just produced were made? A. Mr. Birtch.
Q. 55. Do you know who made these couplings? A. I believe that Martin Binder made them.
• • • • • • •
Q. 56. Mr. Parker, what are your instructions to your draftsman about dating drawings, anything?
Mr. Wupper: I object to the question as irrelevant and immaterial.
A. We have a fixed practice for a very considerable time past of dating our drawings so that it indicates the date when the drawing was made. Our numerical system indicates the day of the month and the year and the sequence of drawings for that particular day identify the time when drawings are made.
Q. 57. Were these two couplings you produced made prior to the making of this drawing, do you know? A. Yes.
Q. 58. Has this coupling with the stainless steel sleeve been put out commercially by you? A. No, sir.
Q. 59. Have you made quite a number of developments, Mr. Parker, for which you have taken out patents? A. Yes, sir; I have numerous patents. It is our policy to carry on continual development work.
Q. 60. And to cover it by patent when there is novelty included, as a rule? A. *As soon as we can schedule the patent work and prepare the information for the attorney, patents are applied for.* [Italics ours.]

The couplings testified to were introduced in evidence as Exhibits 2 and 3, and the drawing referred to was introduced in evidence as Exhibit 4.

Exhibit 4 contains five figures, numbered 1 to 5, inclusive, and three figures not numbered. Figure 4 of the drawing does not support the count before us. At the bottom of the drawing there is certain data. Under the head of "Compression fittings" are the initials L. H. S., and under the abbreviations (Pat. Drg.) appear the figures 1—19—33. Also in the lower right hand corner appear, opposite the abbreviations "Drg. No." the figures 1—1933—5, and in the upper left hand corner are the figures 1—1935—5.

Figures 1 and 2 of said Exhibit 4 conform quite closely to the drawings of appellee's application, but differ in some respects from Exhibits 2 and 3. These differences will be hereinafter discussed.

Appellee further testified, upon cross-examination, as follows:

Q. 102. Now, throughout this period from 1926 to date you knew there was a demand for a low priced coupling in which it wouldn't be necessary to flare the end of the tube, did you not? A. Yes, sir.

H. E. Birtch, a witness on behalf of appellee, testified that he was superintendent of appellee's plant; that Exhibits 2 and 3 were made, as nearly as the witness could recall, in 1930. He further testified as follows, referring to Exhibits 2 and 3:

Q. 225. Do you know who made these couplings? A. Yes; a man by the name of Binder made some of them and we had two or three lathe hands there at the time that are not with us any more that probably worked on some of the parts. *We made several of them and at different times.* [Italics ours.]
• • • • • • •
Q. 228. Do you know whether or not these couplings that you have just referred to, Parker Exhibits Nos. 2 and 3, were completed and tested? A. Oh, yes, sir.
Q. 229. Were they successful? A. Yes, sir.
Mr. Wupper: That is objected to as a conclusion.
Q. 230. When do you usually cut the coupling through to show what the condition is? A. After our tests are completed.

Upon cross-examination the witness testified:

Q. 233. Now, you said that your Parker Exhibit Nos. 2 and 3 were made within a month prior to the drawing I show you. A. I didn't say that. I said they were made, as near as I can recollect, several months prior to any drawings being made, to my knowledge.
Q. 234. *Is this the drawing to which you refer, showing the witness Parker Exhibit No. 4?* A. *No, sir.* [Italics ours.]
Q. 235. If Mr. Parker has testified, as I believe he has, that Parker Exhibits Nos. 2 and 3 were made the latter part of 1932 or the early part of 1933, would you say that he was entirely mistaken? A. No; I wouldn't. No.
Q. 236. They may have been made in the early part of 1933, as far as you can state? A. That is possible.

The witness Schmohl was a draftsman employed by appellee. He testified that he made the drawing, Exhibit 4, on January 19, 1933; that the initials upon the drawing are his. He further testified as follows:

Q. 248. Then you made this drawing, I understand, and completed it on January 19th, 1933? A. That's right.
Q. 249. What did you have to make the drawing from? A. We had a sample coupler.
Q. 250. I call your attention to Parker Exhibits Nos. 2 and 3 and ask you if you recognize either one of these couplings? A. Yes; I do.
Q. 251. What do you recall about them? A. They were couplings we made the drawings from, samples we made in the shop.
Q. 252. Did you see couplings of this kind being tested? A. No; I can't say as I saw them tested. I saw them right after they were tested and I had them to make the drawings from.
Q. 253. Who turned the couplings over to you to make the drawing? A. Mr. Parker.
Q. 254. Was this drawing made for any particular purpose? A. Well, it is made for a patent drawing.
Q. 255. And you had couplings, did you, from which you made these drawings? A. I did.
Q. 256. They were completed couplings? A. Yes, sir.
Q. 257. Cut through like these samples we have here? A. Yes, sir.
Q. 258. Do you think it is one of these samples? A. It was one of the samples; yes, sir.
Q. 259. That is one of these Parker exhibits, either No. 2 or No. 3? A. No. 2 or No. 3; yes, sir.

Upon cross-examination the witness testified as follows:

Q. 265. Is there any way you can positively identify these two samples, Parker Exhibits Nos. 2 and 3, as the identical samples from which you made the drawing, Parker Exhibit No. 4? A. Well, I know they are samples we made up. I don't know whether there is any real, possible means of stating definitely, but I know they are samples I used in making the drawings.
Q. 266. But you can't identify them as being the exact, particular samples which you had before you at the time you made this drawing, Parker Exhibit No. 4? You couldn't swear to that? A. Well, sure. I am sure of it. Yes, I can swear to it, that I had those samples. *It is really hard to say.* [Italics ours.]
Q. 267. Are there any marks on these samples? A. No; there are no marks.
Q. 268. Referring to Parker Exhibits Nos. 2 and 3 by which you can identify them? A. No identification except they are the samples we used.
Q. 269. These are similar to them; is that correct? A. I don't know. There is the samples I used.
Q. 270. Now, did you have a sample of the construction illustrated in Figure 4 of this drawing, Parker Exhibit No. 4? A. I believe there was such a sample.
Q. 271. What happened to that? A. Maybe that was—no; that was just another application of this same principle we had in that.
Q. 272. Are you sure you didn't make a sample of that? A. No; there was no sample made.
Q. 273. You are positive there wasn't any sample made? A. There are applications of that same principle.
• • • • • • • •
Q. 275. Now, in these samples, Parker Exhibits Nos. 2 and 3, the shoulder formed in the body and against which the ends of the tubes abut, these shoulders are not made in accordance with the drawing, of course, are they? A. In just what point do you mean?
Q. 276. The shoulder against which the ends of the tube abut, they do not correspond with the showing of the shoulders in the drawing, Parker Exhibit No. 4, do they? A. No; they do not.
Q. 277. Well, then, these drawings were not exactly copied from the samples, Parker Exhibits Nos. 2 and 3, were they? A. Yes. This shoulder, here, this was merely added there for extra precaution on the drawing after we had made the samples.
Q. 278. Was that your idea to have the undercut shoulder? A. No. I believe it was Mr. Parker's idea.

We would observe that, while the witness stated that the modification of the drawing from Exhibits 2 and 3 was made according to appellee's idea, appellee gave no testimony upon that subject.

Martin Binder, a witness for appellee, testified that he made Exhibits 2 and 3, but was unable to recall when they were made. Upon this point he testified:

Q. 326. Did you usually test the coupling after you made it, or did you turn it over to somebody else? A. I don't exactly test them. I make it up and give it to—turn it in to the superintendent, or whoever is over me, and he takes it in to Parker and then when Parker comes out he says—well, he comes out again and "Now," he says, "test that." Generally the foreman and I we test them things together, or the superintendent, whoever is there at that time.
Q. 327. Were these samples like Parker Exhibits Nos. 2 and 3 tested out? A. Yes.
Q. 328. Were they all right? A. Yes.
Mr. Wupper: The question is objected to.
Q. 329. You put them under considerable air pressure? A. About 35 to 50 pounds; that is what we tried them out at.
Q. 330. You have no way of fixing the date when you made these, have you? A. No. You see, I worked on many things; every day something new and different, so many kinds, I couldn't tell the date.

It appears from the record that appellee had secured a large number of patents upon various inventions. With reference to certain of these patents appellee testified as follows:

Q. 84. Now, Patents Nos. 1,982,533, 1,977,241, 1,977,240, 1,894,700, 1,893,442, 1,893,441 and 1,835,179 were all for tube couplings for the same general purpose as those exemplified in Parker Exhibits Nos. 1, 2 and 3; is that correct? A. Except that those series of patents were couplings of the type for the more exacting services in which field we are more active than in the other division of less costly couplings and more moderate service and with the possible exception of No. 1,894,700 which is of a basically different type.
Q. 85. All of these couplings shown in the patents which I enumerated in the last preceding question could have been used in place of the coupling embodied in Parker Exhibit No. 1; could they not? A. Yes, sir.

It appears that Patents Nos. 1,977,240 and 1,977,241 were issued to appellee on October 16, 1934, upon applications filed April 29, 1933.

Upon his cross examination appellee testified as follows:

Q. 73. When did you request your patent attorney to prepare an application upon this invention as shown in your drawing, Parker Exhibit No. 4? A. I don't recall that exact date. It was shortly after the preparing of this patent, I believe, or this drawing, rather; shortly after the preparation of this drawing.

Appellee also testified that on September 11, 1934, he instructed his patent attorney to prepare the application involved in this interference. He further testified as follows:

Q. 92. What was it that caused you on September 11th, 1934, to request your patent attorneys to prepare the patent application involved in this interference? A. No special reason, only it had been in the file for action as soon as I thought best to release it. I hold the file developments to release for patent work and, as rapidly as I can see my way to release them to go through the patent work I do it.

It will be observed that, although appellee testified that he requested his patent attorney to prepare a patent application based upon Exhibit 4 shortly after the date the drawing bears, it was in fact more than 19 months after the date of said drawing that such request was made. Moreover, appellee testified upon his direct examination that it was his policy, when he had made a useful invention, to cause an application for patent to be filed as soon as the patent work could be scheduled and information prepared for the attorney. Appellee gave no reason for his departure from his usual policy in the instant case, and gave no reason why the application was not earlier prepared if the invention had been in fact reduced to practice prior to January 19, 1933.

Of course, if the invention had been reduced to practice, there was no duty of diligence resting upon appellee in filing his application, and we refer to the time of filing, in connection with appellee's testimony, only as a circumstance bearing upon the question of whether Exhibits 2 and 3 were made and tested prior to appellant's filing date.

Another circumstance which seems to us significant is that appellee in his preliminary statement alleged that he embodied his invention in a full-sized device which was completed on or about the first day of July, 1926, and that several other couplings embodying the invention were made on or about September 1, 1934. He also alleged that he made drawings of the invention on or about January 19, 1933. This allegation no doubt refers to Exhibit 4 in evidence. It appears strange to us that if Exhibits 2 and 3 were made and tested shortly before January 19, 1933, the date of said drawing, appellee would not have remembered that fact and alleged it in his preliminary statement. If, on the other hand, said exhibits were made and tested in 1934, shortly before he instructed his patent attorney to prepare an application for patent, this would be in accord with appellee's preliminary statement. Appellee in his testimony made no reference to making any of the devices in 1934. Appellee's counsel states that, of course, it would have availed appellee nothing to have proved a construction and testing of the devices in 1934, which would be after appellant's constructive reduction to practice on October 25, 1933. Nevertheless, it seems strange that appellee should have remembered, at the time his testimony was taken, making devices embodying the invention in 1926 and in 1933, and yet at the time of making his preliminary statement he apparently failed to remember making the devices in either 1932 or 1933.

It is also a significant circumstance that if the drawing, Exhibit 4, was made from Exhibit 2 or Exhibit 3 for the purpose of filing a patent application, neither of said Exhibits 2 and 3 was marked in any way so that it could be subsequently identified. The evidence indicates that many couplings embodying the involved invention were made at different times, and we find no satisfactory evidence in the record identifying Exhibits 2 and 3 as couplings that were made and tested prior to October 25, 1933.

The only positive evidence upon this point is to the effect that the drawing, Exhibit 4, was made from Exhibit 2 or Exhibit 3, but we are not satisfied that this is a fact. The draftsman Schmohl, after testifying positively upon cross examination that Exhibit 4 was made from either Exhibit 2 or Exhibit 3, concluded his answer by stating that "It is really hard to say." He also admitted that the drawing was not exactly copied from either of said exhibits in that a certain shoulder appears in the drawing that is absent from said exhibits. This shoulder, the witness thought, was placed upon the drawing at the suggestion of appellee, but appellee did not so state.

The witness Schmohl also testified that Figure 4 of the drawing, Exhibit 4, was not made from any coupling before him.

The witness Binder testified that he made Exhibits 2 and 3, but had no recollection respecting when they were made.

Appellee was a prolific inventor, and we are unable to understand why, if events occurred in the order and at the times that he claims, no record was made of them other than the drawing Exhibit 4, and why he should not have included in his preliminary statement his claimed reduction to practice of the invention in 1932 or 1933. Nor are we able to understand why in said statement he should have alleged that he made couplings embodying the invention in 1934, but did not allege that he made such couplings in 1932 or 1933.

We do not intimate that either appellee or any of his witnesses, testified falsely, intentionally or otherwise, in the case, but the burden of proof was upon appellee to establish priority of invention, and we agree with the Examiner of Interferences that the evidence does not satisfactorily establish such priority, for there are too many circumstances indicating that appellee and his witnesses may have been mistaken in their recollection of important dates, and the sequence of events with respect to the making of Exhibits 2 and 3 and said drawing, Exhibit 4.

Had the Patent Office tribunals concurred in finding that appellee had reduced the invention to practice prior to October 25, 1933, we might not hold that they were manifestly wrong in so holding; but such tribunals did not agree upon this point, and it is our duty in those circumstances to exercise our independent judgment as to the weight of the evidence upon this issue.

Both tribunals held that appellee was the first to conceive the invention, but the Examiner of Interferences held that there was lack of diligence on the part of appellee in reducing the invention to practice. This is clearly true, for there is no evidence establishing diligence by appellee in reducing the invention to practice between just prior to October 25, 1933, appellant's filing date, and appellee's constructive reduction to practice on November 6, 1934.

For the reasons hereinbefore given, we are of the opinion that the decision of the Examiner of Interferences awarding priority of invention to appellant should have been affirmed, and the decision of the Board of Appeals is reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

IN RE SCHMIDT

No. 3,986. Decided June 6, 1938

[97 F.(2d) 157]

PATENTABILITY—GOLF CLUB.

Certain claims of application relating to golf clubs *Held* properly rejected for lack of disclosure of all of the elements of said claims in applicant's specification, and certain other claims *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. Karl Schmidt and *Messrs. Evans* and *McCoy* (*Mr. William C. McCoy* of counsel) for Schmidt.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

LENROOT, *J.:*

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Examiner rejecting claims 13 to 33, inclusive, of appellant's application for a patent. The grounds of rejection of the claims will hereinafter be stated.

Claims 13 and 33 illustrate the nature of the subject matter involved and read as follows:

13. As a new article of manufacture, a golf club comprising a shaft and a head, the latter having the weight of its material permanently so distributed as to substantially equalize the turning moments of the masses of head and shaft materials about an axis extending from the approximate center of the grip portion of said shaft and crossing a spot or zone of the hitting face of the head that lies appreciably above the lower edge or sole and approximately centrally of the length of the face.

33. A golf club head having a shaft portion and a body portion connected at one end to said shaft portion, said body portion having a striking face on which the dynamic center of the club head and shaft portion, when in play, lies in a medial plane normal to said striking face and which divides said striking face into two substantially equal striking areas, less of the material of the head being disposed between the hosel and the medial plane than on the other side of the medial plane whereby the portions of the club head and effective shaft portion on opposite sides of said medial plane have substantially equal moments of inertia with reference to said plane during use of the club in play.

The references cited are: Govan, 1,133,129, March 23, 1915; Graveure, 1,652,404, December 13, 1927; McClure, 1,703,199, February 26, 1929; Ogg et al., 1,917,774, July 11, 1933; Spiker, Re. 19,178, May 22, 1934; Chasseloup-Laubat (Fr.), 473,077, September 5, 1914.

The alleged invention is concisely described by the Examiner as follows:

The applicant's device is a golf club in which the center of impact of the club face is positioned at some point along a line vertical to the lower edge of the striking face which divides the geometric center of the striking face in half. The material in the club is so positioned that the weight of material on the toe side of the club is equal to the weight of material on the heel side of the club, the material in the hosel being considered as part of the heel. In other words, it is intended that the center of mass of the entire head will lie on the same vertical line as the intended center of impact.

The sole of the head is inclined upwardly from the rear to the front of the club head so that the sole will have a minimum tendency to cut the turf and the head will glide smoothly over the turf when it contacts therewith.

The patent to Govan relates to a golf club and discloses the incorporation of metals of different weights in the rear face of a golf club in order to give a proper balance or weight to the head. The patent states:

In carrying out my improvements, I propose to place apertures in the club, extending generally from the rear wall of the same and in some instances passing entirely through the body of such club whether of wood or iron, and to insert in such apertures disks exactly filling the area of the same, which disks are of varying thickness and weight and are designed to completely fill the aperture or cavity formed in the head, and by the disposition of the heavier of said disks to impart a proper balance or weight to the head of the club suitable to the person using the same. I propose to make these disks of various metals, such as aluminum, lead, iron, and the like, and to entirely fill the holes formed in the head of the club with the same. If a filling of lead and iron disks should render the club too heavy, certain of these disks can be removed and replaced by aluminum disks or disks or other material so that the desired filling can be effected to secure the desired weighting. As may be well understood, the clubs may be provided with one or a plurality of holes, as may be desired, to properly distribute the weight; the holes may extend through the head at a right angle or substantially a right angle to the handle or shaft of the club, or they may extend at various angles thereto.

The patent to Ogg et al. relates to golf clubs and is a patent from which claims 13 to 22, inclusive, here involved, have been copied by appellant for the purpose of instituting an interference.

The patent to Spiker relates to a golf putter in which there are provided, in the rear face of the head of the club, recesses or holes which may be plugged with lead or other heavy material in order to obtain or assist in obtaining the proper balance of the club. The face of the putter is provided with a multiplicity of parallel grooves.

The French patent to Chasseloup-Laubat relates to a golf club. The patent states:

To perfect balance which is almost completely realized in the form of club used, one might place on the upper or lower face of the head some holes *e* which might be filled with lead according to whether it is desired to increase or diminish the weight at the point considered.

This patent also discloses a curved surface of the head of the club, so arranged that the lower edge of the striking face, and consequently the front part of the head of the club, is spaced from the ground.

While the patents to McClure and Graveure are cited as references, they were not discussed by the Examiner in his last statement (he having made two statements), or by the Board of Appeals in its decision, and we therefore deem it unnecessary to describe them.

The Examiner rejected claims 13 to 22, inclusive, copied from the Ogg et al. patent, on the ground that the claims are not supported by appellant's application.

The Examiner rejected claims 23 to 33, inclusive, for lack of invention over the cited prior art. He used the Spiker patent as a basic reference for showing the conception of a club head with adjustable weights for changing the balance of the club head as desired.

The Board of Appeals affirmed the decision of the Examiner upon all points, but used as a basic reference the Govan patent, not cited by the Examiner, the Board stating that it believed the Govan patent to be a more effective reference than the patent to Spiker.

We will first consider claims 13 to 22, inclusive, which were rejected for lack of disclosure in appellant's application. With respect to the rejection of these claims, the Examiner in his statement said:

Claims 13 to 22 are claims copied from the Ogg patent. They have been rejected in this case, however, because they do not read on applicant's disclosure. Applicant has arranged the weight in the club head so that the club head, which includes the hosel, will balance about a line vertical to the lower edge of the striking face. Applicant, it will be noted, balances the head only. The Ogg patent attempts to balance the head and shaft and has both members balanced about an axis which is not vertical to the lower edge of the striking face although the axis passes thru the geometric center of the striking face. The Ogg shaft is mounted at one side of the head. The axis about which the club is balanced is one which crosses the grip portion and also passes thru the central portion of the striking face. Thus it will be seen from the wording of the claims that the Ogg axis of balance cannot be the same as the axis about which the applicant balanced his club, also Ogg included the shaft in his balance system.

Upon the same point the Board of Appeals stated:

Appellant presents a golf club in which the mass of material in the club head including the hosel is dynamically balanced about a plane, normal to the striking face at the center of said face. Claims 13–22, inclusive, are taken from the patent to Ogg et al., No. 1,917,774. Appellant recognizes that Ogg, in balancing his golf clubs, takes into account the weight of the club shaft and determines the best position for contact with the golf ball on the blade by passing an imaginary axis through a point on the blade and a point on the gripping portion of the shaft and illustrates a mechanism for so balancing the club. The method of determining the spot on the striking face above noted is fully set forth in the Ogg specification and also recited in the claims copied from Ogg.

Appellant does not take into account the weight of the club shaft but he urges that the so called "sweet spot" on his club is located in the same position on the striking face as the "sweet spot" in the Ogg patent and that the light weight shaft has much less influence on the behavior of the club head than the weight of the material in the club and hosel itself. Obviously this is true, but the weight of the shaft has some effect. It is his position that although Ogg describes balancing his club considering both the weight of the shaft and the club head, as he also employs the usual shaft in his club head, the so called "sweet spot" must then correspond in the two disclosures. We are not convinced of that fact nor do we consider the claims copied from Ogg properly read on appellant's construction. We have no reason to assume the location of the "sweet spot" is the same in the two clubs and also the turning moments of the masses of head and shaft in both constructions are equalized "about an axis extending from the approximate center of the grip portion of said shaft and crossing a spot or zone of the hitting face of the head" as defined in claim 13 on appeal and similar expressions in other claims copied from the Ogg patent.

It is appellant's contention that the Patent Office tribunals erred in the foregoing holding, and it is pointed out that Ogg et al., like appellant, changed the club head to obtain the new structure and the new results. Appellant further states in the brief of his counsel as follows:

* * * Applicant's club head would be useless unless a shaft is used and when a conventional shaft is used the balance of the Ogg patent is obtained.

While it is true that Ogg et al. adjust the weight of the head in order to secure the proper balance of the head and shaft of the club, appellant's application relates to the balance of the head only. We do not think that we can take judicial notice that all golf shafts bear the same relation to the head of the club, but, however this may be, it is a fact that Ogg et al. include the shaft in their balance system, whereas appellant does not. As claims 13 to 22, inclusive, each include the shaft in the balance of the club, and appellant's specification relates to the balance of the head only, we are in agreement with the Patent Office tribunals that claims 13 to 22, inclusive, should be rejected for lack of disclosure of all of the elements of said claims in appellant's specification.

With respect to claims 23 to 33, inclusive, we are not satisfied that the Patent Office tribunals erred in holding that they are unpatentable over the cited prior art.

Certainly the Govan and Spiker patents teach how the head of a golf club may be balanced to suit the ideas of any player. Even if the structures disclosed in said patents might not permit the exact balance of the head that appellant discloses, we think such structures could be easily modified, without the exercise of the inventive faculty, to produce the exact structure disclosed by appellant.

One skilled in the art might not realize the exact principles upon which such improved head operated, but the discovery of such principles would not constitute invention. *In re Langdon*, 22 C. C. P. A. (Patents) 1245, 77 F.(2d) 920, 460 O. G. 733; *In re*

Ebert et al., 19 C. C. P. A. (Patents) 1087, 57 F.(2d) 356, 420 O. G. 573.

We think that if the involved claims were allowed, one carrying out the teachings of the references and securing a balanced club head satisfactory to him might find himself in conflict with said claims in a patent.

We are of the opinion that appellant has done nothing more, assuming all of the advantages of the club head disclosed by him, than to fix in definite terms a balanced club head that any one skilled in the art might, in view of the references, produce without the exercise of the inventive faculty.

With regard to the element relating to the inclination of the bottom surface of the club head, inclining upwardly from the back toward the striking face, we agree with the Board of Appeals that this is shown in the French patent to Chasseloup-Laubat.

We find no error in the decision of the Board of Appeals, and it is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,223,659, W. S. Barnickel, Treatment of crude oil; 1,467,831, same, Process for treating petroleum emulsions; 1,596,589, M. D. Groote, same, D. C., S. D. Calif. C. Div., Doc. E 105–H, *The Tretolite Co. et al.* v. *Research Products Co., Ltd., et al.* Claims 1, 3, 5, 7, and 8 of 1,223,659, and claims 1, 2, 4, 7, 8, 9, and 10 of 1,467,831 held valid and infringed. Bill dismissed as to 1,596,589 July 9, 1938.

1,404,451, E. P. Love, Seat cover, filed Sept. 26, 1938, D. C., N. D. Ill., E. Div., Doc. 16, *E. P. Love et al.* v. *American League Baseball Club of Chicago, Ill.* Doc. 17, *E. P. Love et al.* v. *Chicago National League Ball Club, Inc.*

1,467,831. (See 1,223,659.)

1,474,003, H. R. Ricardo, Internal combustion engine, D. C., S. D. N. Y., Doc. E 46/352, *Waukeska Motor Co.* v. *Mack Trucks, Inc., et al.* Dismissed without prejudice (notice Sept. 28, 1938).

1,489,944. (See 1,938,947.)

1,497,543, N. K. Chaney, Absorptive carbon and process of makng same, D. C. Md., Doc. E 2431, *National Carbon Co., Inc.*, v. *U. S. Industrial Alcohol Co.* Consent decree holding infringement Sept. 21, 1938.

1,527,438, A. J. Penote, Ditching machine; 1,553,833, same, Excavating machine; 1,927,323, V. S. Penote, Elevator bucket, filed Oct. 1, 1938, D. C., N. D. Ohio, W. Div., Doc. 4291, *The Cleveland Trencher Co.* v. *The Buckeye Traction Ditcher Co.*

1,553,833. (See 1,527,438.) 1,596,589. (See 1,223,659.)

1,622,957. (See Re. 18,841 (*a*) and Re. 18,852.)

1,680,646, G. E. Smith, Molded article and method of making same; 1,697,616, same, Wooden steering wheel and method of making same; 1,740,750, 1,816,445, same, Steering wheel and method of forming same; 1,843,906, same, Method of making wheels and wheel blanks formed thereby; 1,847,414, same, Method of making wheels; 1,843,904, Smith & Morgan, Method of making molded wheels; D. C., E. D. Mich. (Detroit), Doc. 6390, *Poughkeepsie Trust Co. et al.* v. *U. S. Rubber Co.* Discontinued Sept. 28, 1938.

1,697,616. (See 1,680,646.)

1,698,797, C. P. Howe, Oil well mechanism, filed Sept. 27, 1938, D. C., N. D. Tex. (Ft. Worth), Doc. 5. *C. P. Howe et al.* v. *Lamtex Equipment Corp.*

1,718,025. (See Re. 18,841 (*a*) and (*b*), and Re. 18,852.)

1,718,778, B. W. Coltman, Soap flakes, filed Sept. 17, 1938, D. C., N. D. Ill., E. Div., Doc. 6, *B. W. Coltman* v. *Procter & Gamble Co.*

1,740,750. (See 1,680,646.) 1,749,219. (See 1,938,947.)

1,782,095. (See 2,052,569.) 1,816,445. (See 1,680,646.)

1,842,660. (See Re. 18,755.)

1,843,904. (See 1,680,646.)

1,843,906. (See 1,680,646.) 1,847,414. (See 1,680,646.)

1,855,916, C. H. Kenney, Tufting attachment for sewing machines; 1,963,349, 1,963,348, 1,880,192, E. E. Boyce, Sewing machine; 1,984,772, W. C. Stewart, Combined looper and loop cutting attachment for sewing machines, suit for declaratory judgment filed Sept. 15, 1938, D. C., S. D. N. Y., Doc. E 88/50, *Primrose Bed Spread Corp.* v. *The Boysell Co. et al.*

1,870,967. (See Re. 20,188.)

1,872,641, S. Capezio, Ballet slipper and manufacture of same, filed Sept. 29, 1938, D. C., S. D. N. Y., Doc. 1–53, *S. Capezio* v. *F. Bonaventure* (*Barney's Theatrical Shoe Co.*).

1,880,192. (See 1,855,916 and 1,963,349.)

1,902,440, E. R. Gill, Jr., Sign, suit for declaratory judgment Oct. 3, 1938, D. C., S. D. N. Y., Doc. 1–73, *The Refractolite Corp.* v. *Prismo Holding Corp. et al.*

1,926,900, E. C. Haas, Catamenial device, suit for declaratory judgment filed Sept. 22, 1938, D. C., S. D. N. Y., Doc. 1–27, *Holly Pax, Inc.*, v. *Tampax, Inc.*

1,927,323. (See 1,527,438.)

1,938,947, E. F. Whitmore, Egg handling machine, filed Jan. 16, 1938, D. C., N. D. Calif. (San Francisco), Doc. E 3973–L; 1,489,944, M. Kasser, Machine for processing eggs; 1,749,219, A. E. Lindstrom, Egg preserving machine, included by defendant and cross-complainant Mar. 18, 1938, *Economy Egg Processing Co.* v *Kasser Egg Process Co.* Decree holding defendant has not infringed 1,938,947, and that plaintiff and cross defendant have not infringed 1,489,944 and 1,749,219. Complaint and cross-complaint dismissed Sept. 14, 1938.

1,963,348. (See 1,855,916 and 1,963,349.)

1,963,349. (See 1,855,916.)

1,963,349, 1,880,192, 1,963,348, E. E. Boyce, Sewing machine; 1,984,772, W. C. Stewart, Combined looper and loop cutting attachment for sewing machines, filed Sept. 26, 1938, D. C., N. D. Ga. (Rome), Doc. 263, *The Boysell Co.* v. *F. E. Evans.*

1,984,772. (See 1,855,916 and 1,963,349.)

1,987,437, C. A. Fourness, Sanitary belt, filed Sept. 30, 1938, D. C., S. D. N. Y., Doc. 1–59, *International Cellucotton Products Co.* v. *K. Levin* (*Sanitex Mfg. Co.*).

1,987,908, E. E. Maynard, Automatic tire vulcanizing mold, D. C., N. D. Ohio, E. Div., Doc. E 5572, *The Fisk Rubber Corp. et al.* v. *Summit Mold and Machine Co. et al.* Dismissed without prejudice Oct. 5, 1938.

1,992,816, M. J. De Mask, Multiple electric installation; 2,054,193, same, Switch mechanism for multiple outlet conduits, filed Sept. 28, 1938, D. C. Conn. (New Haven), Doc. 4, *M. J. De Mask* v. *The Trumbull Electric Mfg. Co.*

2,015,008, W. E. Endrezze, Ore classifier, D. C., S. D. Calif. (Los Angeles), Doc. E 1272–Y, *W. E. Endrezze* v. *Golden Queen Mining Co.* Dismissed Sept. 30, 1938.

2,045,630, B. Bratman, Stitched cloth and process of manufacturing same, filed Sept. 30, 1938, D. C., S. D. N. Y., Doc. 1–55, *B. Bratman* v. *G. Schorr et al.* (*H & S Pleating Co.*).

2,051,013, H. E. Schulse, Art of beverage conditioning and dispensing; 2,098,211, same, Art of brew cooling, filed Sept. 17, 1938, D. C., W. D. Pa., Doc. 1, *H. E. Schulse et al.* v. *A. Goldsmith* (*Trianon Grill*).

2,052,569, W. Jensen, Lather forming device; 1,782,095, same, Liquid-whipping apparatus, D. C., S. D. Calif. (Los Angeles), Doc. E 1321–H, *W. Jensen* v. *A. G. Draeger* (*Superior Lather Machine Co.*). Claims 3, 6, 7, 8, 9, and 10 of 2,052,569 held valid and infringed, injunction Sept. 27, 1938. (Went to trial on 2,052,569 only.)

2,054,193. (See 1,992,816.)

2,054,602, 2,054,603, J. M. Leaver, Jr., Rotary bundle binding and tying machine, filed Sept. 20, 1938, D. C., N. D. Calif. (San Francisco), Doc. 21004–S, *J. M. Leaver, Jr.* v. *Citizens National Trust & Savings Bank of Riverside, Calif.*

2,054,603. (See 2,054,602.)

2,069,871, S. O. Blanc, Cutter member for cleaning drain pipes, D. C. Minn. (Minneapolis), Doc. E 2992, *S. O. Blanc* v. *L. Maupin.* Dismissed on plaintiff's motion Sept. 27, 1938.

2,070,399, T. H. Goldring, Container and carrier for bottled goods; 2,094,744, C. D. Keith, Bottle carrier, filed Sept. 30, 1938, D. C., E. D. N. Y., Doc. 7, *C. D. Keith* v. *The C. E. Hires Co., Inc.*

2,079,227, Re. 20,773, R. R. Sarazin, Means adapted to reduce the torsional oscillations of crank shafts, filed Sept. 21, 1938, D. C., S. D. N. Y., Doc. 1–19, *R. R. Sarazin et al.* v. *Wright Aeronautical Corp.*

2,091,065, K. H. Buettner, Extension door for garage and other buildings, filed Sept. 29, 1938, D. C. Md., Doc. 10, *K. H. Buettner* v. *O. F. Hansen & Son.*

2,094,744. (See 2,070,399.) 2,098,211. (See 2,051,013.)

2,100,274, B. Clayton, Process of refining oils; 2,100,275, same, Process of refining glyceride oils; 2,100,276, same, Process of refining glyceride type oils; 2,100,277, B. Clayton, Process for refining glyceride oils, D. C. Nev. (Carson City), Doc. H–201, *Interstate Cotton Oil Refining Co.* v. *Refining, Inc.* Dismissed upon stipulation of counsel Sept. 16, 1938.

2,100,275. (See 2,100,274.) 2,100,276. (See 2,100,274.)

2,100,277. (See 2,100,274.)

2,104,879, G. Lindsey, Refrigerating device, D. C., S. D. Fla. (Jacksonville), Doc. E 881–J, *G. Lindsey* v. *H. C. Brown.* Decree granting injunction Oct. 3, 1938.

2,106,796, R. P. De Vault, Peeler, D. C., E. D. Mich. (Detroit), Doc. 8378, *R. P. De Vault* v. *A. H. Johnson* (*Ez-Way Mfg. Co. et al.*) Decree for plaintiff Sept. 30, 1938.

2,111,958, D. M. Bardon, Fishline sinker, filed Sept. 27, 1938, D. C., W. D. Wash., N. Div., Doc. 5, *D. M. Bardon* v. *J. Rosenquist et al.*

2,123,114, G. Looper, Tufting machine, filed Sept. 22, 1938, D. C., E. D. Tenn., S. Div., Doc. 4, *G. Looper* v. *Colonial Coverlet Co.*

Re. 17,393. (See Re. 18,852, Re. 18,841 (*a*) and (*b*).)

Re. 18,390, J. T. Welch, Artificial minnow, Des. 93,370, L. J. Wooster, Fish bait body, filed Sept. 6, 1938, D. C., N. D. Ill., E. Div., Doc. 16208, *James Heddon's Sons* v. *O. F. Voedisch et al.*

Re. 18,755 (of 1,842,660), F. J. Day, Air conditioning means, filed Sept. 21, 1938, D. C., S. D. Calif., C. Div., Doc. 10–C, *F. J. Day, Jr.* v. *Phillips Refrigeration Products, Inc., et al.*

Re. 18,841. (See Re. 18,852.)

Re. 18,841 (of Re. 17,393 and 1,622,957), (*a*), J. Mayer, Hair waving method; 1,718,025, R. Bishinger, Hair curling appliance, filed Sept. 16, 1938, D. C., E. D. Wash. (Spokane), Doc. 1, *The Philad Co.* v. *Gordon & Shafer, Inc., et al.*

Re. 18,841 (of Re. 17,393), (*b*), J. Mayer, Hair waving method; 1,718,025, R. Bishinger, Hair curling appliance, filed Sept. 19, 1938, D. C. Wash. (Bellingham), Doc. 1 (E 34), *The Philad Co.* v. *D. B. Brown et al.* Same, filed Oct. 3, 1938, D. C., W. D. Wash., N. Div., Doc. 8, *The Philad Co.* v. *H. R. Potts.*

Re. 18,852 (of Re. 18,841, Re. 17,393, and 1,622,957), J. Mayer, Hair curling method; 1,718,025, R. Bishinger, Hair curling appliance, filed Sept. 14, 1938, D. C. Oreg. (Portland), Doc. E 9747, *The Philad Co.* v. *Estey's, Inc., et al.* Doc. E 9748, *The Philad Co.* v. *J. Miller.* Same, filed Oct. 4, 1938, D. C. Oreg. (Portland), Doc. 11, *The Philad Co.* v. *A. R. Stenger et al.*

Re. 19,421, F. R. Stirn, Ornamented felt and felt material, D. C., S. D. N. Y., Doc. E 81/72, *Leather Designs, Inc.*, v. *B. Herman et al.* (*Velvo Hatcraft Co.*). Dismissed without prejudice (notice Sept. 30th, 1938).

Re. 20,188 (of 1,870,967), W. R. Simons, Building construction, D. C., S. D. Calif. (Los Angeles), Doc. E 1000–H, *W. R. Simons* v. *Davidson Brick Co. et al.* Decree holding non-infringement Sept. 22, 1938. Doc. E 1001–H, *W. R. Simons* v. *Davidson Brick Co., et al.* Decree as above.

Re. 20,773. (See 2,079,227.)

Des. 93,370. (See Re. 18,390.)

Des. 108,169, S. M. Werber, Dress, filed Sept. 20, 1938, D. C., N. D. Ill., E. Div., Doc. 10, *S. M. Werber et al.* v. *C. Galisch* (*Debutante Frocks of Chicago*).

Des. 110,594, E. M. Ciccone, Dress ensemble, D. C., S. D. N. Y., Doc. E 87/367, *Thos. Rosner & Bro., Inc.*, v. *Trussel Dress Co., Inc.* Consent judgment for plaintiff (notice Oct. 3, 1938).

Des. 111,055, G. Megibow, Textile fabric, filed Oct. 1, 1938, D. C., S. D. N. Y., Doc. 1–63, *Try-Us Textile Processing Co., Inc.*, v. *Loma Art Textile Co., Inc., et al.*

T. M. 223,538, E. T. Colburn, Pie crust and pie dough, filed Sept. 16, 1938, D. C., N. D. Ill., E. Div., Doc. 2, *E. T. Colburn* v. *Puritan Mills, Inc.*

T. M. 334,707, E. E. Brown, Headache powders, nose drops, etc., D. C., E. D. N. C. (Washington), Doc. 1, *E. E. Brown* (*Brown Laboratories*) v. *W. H. Horne et al.* (*N. C. Chemical Co.*). Consent judgment holding infringement (notice Oct. 5, 1938).

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS, LABELS, AND PRINTS

RENDERED DURING OCTOBER, 1938

PACKARD MOTOR CAR COMPANY *v.* LEKTRO SHAVE CORPORATION, Opposition No. 15,697.

In the above entitled case, after the decision dismissing the notice of opposition had become final, opposer not having appealed, a request was filed by it that the Commissioner of Patents exercise his supervisory authority and reject all future applications for trade-mark registration involving the word "Packard", it being stated therein that the Packard Motor Car Company, of Detroit, Mich., should not be put to the expense of opposing numerous applications for such registration.

In a decision rendered October 7, 1938 (163 Ms. Dec. 143), *Assistant Commissioner Frazer* stated that the obvious answer to that request was that the Examiner of Trade-Marks refuses registration of all trade-marks which in his opinion should not be registered and the chief purpose of the opposition proceeding is to correct possible errors committed by that official.

He then said:

"The instant case, however, well illustrates the impropriety of the requested order that all marks including the word 'Packard' be refused registration. Applicant's mark is 'Packard Lifetime Lektro Shaver' in association with a design, and is used on motor driven razors. To say that this constitutes an appropriation of opposer's corporate name, 'Packard Motor Car Company,' which is the theory upon which opposer seeks rejection of all applications involving the word 'Packard', would in my opinion be clearly unwarranted.

"It is pointed out that 'Packard, Inc.' is the name of a Pennsylvania corporation, but as I have previously had occasion to observe, this fact is of no avail to opposer. The right to object to the use of its corporate name as a trade-mark is one which may be waived or enforced by the owner at its election. In no event can such use be said to injure another within the meaning of the Trade-Mark Act."

MISHAWAKA RUBBER AND WOOLEN MANUFACTURING COMPANY *v.* BRADSTONE RUBBER COMPANY, Opposition No. 15,062.

In a decision rendered October 12, 1938 (163 Ms. Dec. 146), *Assistant Commissioner Frazer* held that the notice of opposition filed by Mishawaka Rubber and Woolen Manufacturing Company, of Mishawaka, Ind., to the registration of a trade-mark by Bradstone Rubber Company, of Woodbine, N. J., was properly dismissed on the ground that the notice of opposition did not state facts sufficient to entitle opposer to judgment since it alleged neither confusing similarity between the trade-marks nor that the goods of the parties were of the same descriptive properties. He further held, however, that the mark in question consisting of a green disk as applied to rubber heels and rubber soles was not registrable in view of prior registrations and admissions by the applicant.

In his decision he stated that there was of record in the opposition proceedings a registration of May 28, 1901, of a circular figure or ball colored red, for goods including rubber boots and shoes, and that it was stipulated in the record that a red circular figure trade-mark had been used in interstate and foreign commerce for many years for the same goods upon which applicant seeks registration.

In his decision after stating that it was manifest that applicant's marks differed from those above referred to only in color, and citing and quoting from *A. Leschen & Sons Rope Co.* v. *The American Steel & Wire Co.*, 19 C. C. P. A. 851, 55 Fed.(2d) 455, and *A. Leschen & Sons Rope Co.* v. *Broderick & Bascom Rope Co.*, 36 App. D. C. 451, the Assistant Commissioner said:

"Upon the record I think the Examiner of Interferences should have refused the application to register, not only because applicant's mark is confusingly similar to a trade-mark long since registered for merchandise of the same descriptive properties as that with which applicant uses its mark, but also because applicant has stipulated in effect that a known trade-mark, identical with its own save for color, was 'owned and in use by another and appropriated to merchandise of the same descriptive properties', and, in the language of the stipulation, that such use had continued 'for a great many years prior to the adoption and use of the mark for which applicant seeks registration'.

"That an application to register may thus be refused for ex parte reasons in an opposition proceeding is well established. *Falls* v. *Scholl Mfg. Co., Inc.*, 24 C. C. P. A. 1308, 90 Fed.(2d) 499."

DETHOL MANUFACTURING CO., INC., *v.* THE R. T. FRENCH COMPANY, Opposition No. 16,506.

In a decision rendered October 14, 1938 (163 Ms. Dec. 150), *Assistant Commissioner Frazer* held that The R. T. French Company, of Rochester, N. Y., is not entitled to register the term "Zettol" as a trade-mark for an antiseptic and germicide in view of the prior use and registration by the Dethol Manufacturing Co., Inc., of Washington, D. C., of the term "Dethol" as a trade-mark for insecticide, disinfectants and germicides.

The ground of the decision is that the goods are of the same descriptive properties and the marks as applied thereto confusingly similar.

With respect to the question of the goods, the Assistant Commissioner said:

"That the goods are of the same descriptive properties I think there is small room for doubt. As pointed out by the Examiner of Interferences in his decision:

" 'The goods of both parties are * * * suitable for use in the home and for general sanitation and deodorizing purposes. Both are liquids adapted for use by spraying, and as shown by the testimony are sold in small containers largely through the drug trade.'

"It is true that applicant's product is intended primarily for personal use, and ordinarily is not applied by means of a spray. Also there are numerous other differences between the goods, which are stressed by applicant, and properly so. Such differences, however, are material only as they tend to lessen the probability of confusion, which would unquestionably arise if the goods were identical."

With respect to the marks, he said:

"The two words 'Dethol' and 'Zettol' comprise the same number of letters and syllables, and do not differ greatly in either sound or appearance. They are both fanciful expressions without meaning other than their trade-mark significance, and would thus be more easily confused than if they were words in common use."

and then after citing and quoting from the decision in *Malone* v. *Horowitz*, 17 C. C. P. A. 1252, 41 Fed.(2d) 414, he said:

"I have carefully considered the arguments presented in applicant's behalf and the authorities cited in support thereof, but I am not convinced that the Examiner of Interferences erred in sustaining the opposition."

DELBECK & CIE, SOCIETE A RESPONSABILITE LIMITEE *v.* JOSEPH DELLA MONICA, Trade-Mark Interference No. 2337 and Cancellation No. 3147.

In a decision rendered October 20, 1938 (163 Ms. Dec. 153), *Assistant Commissioner Frazer* held that Monica, of Brooklyn, N. ., was entitled to an award of priority of adoption and use of the term "Delmonico", as applied to champagne, and that it was properly held that the registration which he had obtained for that mark should not be cancelled.

In his decision after stating that it was not disputed that Delbeck & Cie, Societe a Responsabilite Limitee, of Reims, France, had not proved a use prior to that of Monica, after the prohibition era, and that the question in issue was whether that company had established use prior to that era, and then after stating that the record did not establish that such prior use had been clearly proven, the Assistant Commissioner said:

"To establish a use earlier than February, 1934, appellant relies on the testimony of one witness and certain documentary exhibits. It seems to be tacitly conceded by appellant's counsel that the testimony was largely hearsay, and that no proper foundation was laid for the introduction of the exhibits; but the point is made that such evidence was received without objection. While this circumstance doubtless entitles the evidence to be considered for what it is worth, certainly nothing is thereby added to its intrinsic weight. In my opinion appellant's evidence, when given its natural probative value, is insufficient to support a finding that appellant was using its trade-mark in the United States immediately preceding the advent of national prohibition, or had so used it at any earlier time subsequent to the year 1897."

KRAFT-PHENIX CHEESE CORPORATION *v.* CONSOLIDATED BEVERAGES, LIMITED, Opposition No. 16,406.

In a decision rendered October 20, 1938 (163 Ms. Dec. 152), *Assistant Commissioner Frazer* held that Consolidated Beverages, Limited, of Toronto, Canada, is entitled to register the notation "O'Kee-Dokee" as a trade-mark for non-alcoholic maltless beverages, notwithstanding the prior use by Kraft-Phenix Cheese Corporation, of Chicago, Ill., of the term "O-Ke-Doke", as a trade-mark for cheese coated popcorn.

The ground of the decision is that the goods are not of the same descriptive properties.

With reference to the goods the Assistant Commissioner, after noting the opposer's argument that the cheese popcorn had been advertised as a thirst creator and thus been popularized for consumption with beverages, and that the product was for sale in many establishments which handle soft drinks, said:

"These points merit attention of course, and in close cases similar considerations have sometimes been deemed by the courts to be of controlling importance. It seems to me, however, that the goods here involved are so completely different in all essential respects that neither the possibility of their conjoint use nor the fact of their sale through common channels is of sufficient weight to affect materially the question at issue. I am clearly of the opinion that such goods do not possess the same descriptive properties, and do not belong to the same general class of merchandise."

MINNESOTA VALLEY CANNING COMPANY *v.* P. & S. PLUM, LTD., Cancellation No. 3127.

In a decision rendered October 24, 1938 (168 Ms. Dec. 154), *Assistant Commissioner Frazer* held that P. & S. Plum, Ltd., of Copenhagen, Denmark, was not entitled to register the term "Blue Gold" as a trade-mark for blue cheese, in view of the prior use by Minnesota Valley Canning Company, of Le Sueur, Minn., of the term "Blue and Gold", as a trade-mark for canned peas and corn, and that the registration obtained by P. & S. Plum, Ltd., should be canceled.

The ground of the decision is that the goods are of the same descriptive properties and the marks confusingly similar.

In his decision the Assistant Commissioner said:

"I am constrained to agree with the Examiner of Interferences that the marks are substantially identical; and while the goods of the parties are specifically different, they are nevertheless merchandise of the same descriptive properties within the meaning of section 5 of the Trade-Mark Act. See *Joseph Tetley & Co.* v. *Bay State Fishing Co.*, 23 C. C. P. A. 969, 82 Fed.(2d) 299, and cases there cited. This being true it necessarily follows that in my opinion respondent's registration was improperly granted, and should now be canceled."

THE EL DORADO REFINING COMPANY *v.* STANDARD OIL COMPANY OF NEW JERSEY, Oppositions Nos. 16,720 and 16,671.

In a decision rendered October 27, 1938 (163 Ms. Dec. 155), *Assistant Commissioner Frazer* held that Standard Oil Company of New Jersey, of Wilmington, Del., is not entitled to register the terms "Essofleet" and "Stanfleet", as trade-marks for refined, semirefined, and unrefined oils made from petroleum, both with and without admixture of animal, vegetable, or mineral oils, for power, fuel, and lubricating purposes, and lubricating greases, in view of the prior adoption and use by The El Dorado Refining Company of the word "Fleet", used as a trade-mark for gasoline.

The ground of the decision is that the goods are of the same descriptive properties and the marks as applied thereto are confusingly similar.

After noting applicant's argument that "Fleet" is the common appellation of groups of commercial motor vehicles and that these goods are sold exclusively to consumers who operate such commercial vehicles and are not obtainable by individual motorists at service stations, the Assistant Commissioner said:

"Assuming that opposer does not also sell to so called fleet operators in competition with applicant, I am inclined to agree with applicant's counsel that so long as this particular sales method is maintained there is slight probability of confusion. As pointed out by the Examiner of Interferences, however, applicant may change its trade practices at will; and if applicant's 'Essofleet' and 'Stanfleet' oils and greases were made available to the general public along with opposer's 'Fleet' gasoline I think that confusion would be inevitable. As to the suggestion that opposer's mark is descriptive it need only be observed that this fact, if it be a fact, affords no justification for disregarding its similarity to applicant's marks. Opposer's mark is registered, and its validity is not open to question in these proceedings. *Skelly Oil Co.* v. *Powerine Co.*, 24 C. C. P. A. 790, 86 Fed.(2d) 752."

CENTURY DISTILLING CO. *v.* PH. SCHNEIDER BREWING CO., Trade-Mark Interference No. 2790.

In a decision rendered October 28, 1938 (163 Ms. Dec. 158), *Assistant Commissioner Frazer* held that Century Distilling Co., of Peoria, Ill., had not established use of the trade-mark "Century" for gin prior to the filing of the application for registration of the same mark for nonalcoholic, cereal, malt beverages by Ph. Schneider Brewing Co., of Trinidad, Colo., and had not established continuing use from an earlier date by its alleged predecessors in business and that therefore the Century Distilling Co., of Peoria, Ill., was not entitled to register the mark.

In his decision, after noting that more than half of applicant's brief on appeal was devoted to an argument that the goods are not of the same descriptive properties, the Assistant Commissioner said:

"Assuming, arguendo, that the assertion is true, it is my opinion that upon the present record applicant is estopped to say that the goods are not of the same descriptive properties, and that for the purposes of this case the point need not be decided. Not only was the interference declared upon applicant's request, but it was prosecuted to judgment before the Examiner of Interferences without a suggestion that the request had been improperly granted; nor is any such suggestion to be found in the reasons for appeal. It appears for the first time in applicant's brief on appeal, and its utter inconsistency with applicant's former position precludes its consideration at this late stage of the proceeding."

Then, after stating that the remaining question was as specifically stated in applicant's brief:

"Does the evidence show continuity of ownership and use by Century Distilling Company and its predecessors since any date prior to 1908, the date claimed for first use by Ph. Schneider Brewing Company?"

he said:

"Applicant itself did not commence use of the trade-mark in question until January, 1934, at the earliest; so that to antedate the interfering registration applicant was under the necessity of proving use by others, and through them its own title as assignee. This I think it has failed to do."

The Assistant Commissioner discussed fully the evidence as to these alleged uses and transfers, stating with reference to the alleged transfer from the party Klein who in turn had purchased the business of one Freiler, to the applicant, that Klein's alleged transfer, obviously ineffective as such, is evidenced by a letter dated November 22, 1933, and said:

"This letter contains recitals to the effect that Klein is the 'successor to the business and trade-mark properties of Phillip Freiler, • • • among which trade-marks is the brand "Century Club" for whisky, orginally registered at the United States Patent Office, certificate No. 61,379'; and Klein thereby 'grants permission and releases all claims to and in the word "Century" for gin or other distilled alcoholic liquors to be manufactured, sold or distilled by the Century Distilling Company'. The certificate referred to is the one which had been permitted to expire during the prohibition period."

And then, after pointing out that on April 2, 1934, Klein, as president of a corporation known as Liquor Dealers Supply Co., signed an application for registration of the notation "Century Club", and two weeks later assigned to applicant the registration granted on that application, he said:

"Just how Liquor Dealers Supply Co. claimed to have acquired title to the mark does not appear. Certainly it could not have been through Mr. Klein, for he had expressly abandoned such rights therein as he may have had when he signed and delivered the letter of November 22, 1933. Applicant owns the registration for what it is worth; but the earliest date of use thereby established is the filing date of the application on which it issued, namely, April 3, 1934."

Then, after pointing out that the Examiner of Interferences had questioned the sufficiency of the evidence to prove Freiler's use of the mark and Klein's alleged acquisition of Freiler's title thereto, he said:

"While I agree that such evidence is far from satisfactory, I am willing to assume for the purposes of the present decision that Freiler used the mark continuously for at least eight years immediately prior to 1914; that in 1914 he transferred his business, including the mark, to Klein; and that Klein continued its use until 1919. All that is of no avail to applicant in this proceeding, however, in the absence of proof that it has succeeded to Klein's asserted title; and in my opinion the evidence bearing on that point, if not conclusively to the contrary, is at least too contradictory and inconsistent to support an affirmative finding."

CHARLES KARR COMPANY *v.* THE STEARNS & FOSTER CO., Opposition No. 17,056.

In a decision rendered October 28, 1938 (163 Ms. Dec. 157), *Assistant Commissioner Frazer* held that The Stearns & Foster Co., of Cincinnati, Ohio, is not entitled to register, as a trade-mark for mattresses and box springs, the word "Cushionaire", in view of the prior use and registration by Charles Karr Company, of Holland, Mich., of the term "Spring-Air" as a trade-mark for padded mattresses, pillows, and cushions.

He noted that the goods were in part at least identical and the opposer was the first to use his mark and therefore the only question to be decided was whether "Cushionaire" as applied to the goods stated was confusingly similar to "Spring-Air" as applied to the goods of the other party.

He then said:

"Applicant points out that the two marks neither look alike nor sound alike, and that if the word 'spring' in opposer's mark 'is presumed to refer to a season of the year, there would not be the slightest resemblance in meaning'. Considering the nature of the goods, however, I do not think such a presumption warranted. On the contrary, it seems to me that the word 'spring', when applied to a mattress would invariably connote elasticity or resiliency, just as would the word 'cushion' in applicant's mark."

And then after stating that opposer is not entitled to the monopoly of the word "air" as applied to mattresses and that ordinarily the mere occurrence of this word in two marks would not be likely to cause confusion, he said:

"But when added as a suffix to two words so similar in significance as 'spring' and 'cushion', and applied to identical goods of the character here involved, the resulting combinations suggest precisely the same idea, and I think the marks as a whole may thus be confused by reason of its common occurrence. At least there is sufficient probability of such confusion as to leave the question open to doubt, and such doubt must be resolved in opposer's favor."

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 29, 1938

[VOL. 496. No. 5]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 402,216. IRA C. CONSTAD, doing business as Stay-Skin, New York, N. Y. Filed Jan. 22, 1938.

STAY-SKIN

The word "Skin" is disclaimed apart from the mark.
For Furs and Skins for Use in Fur Garments.
Claims use since January, 1928.

Ser. No. 407,747. BEGGS BROTHERS, INC., New York, N. Y. Filed June 22, 1938.

STAR BRAND



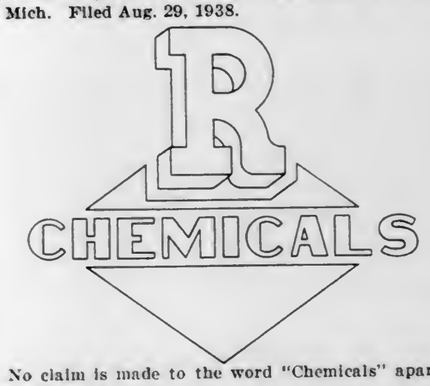
No claim is made to the word "Brand" apart from the mark.
For Isinglass, i. e., a Product for Clarifying Beverages.
Claims use since 1919.

Ser. No. 409,718. UNITED AMERICAN METALS CORPORATION, Brooklyn, N. Y. Filed Aug. 17, 1938.

DAMTITE

For Plastic Composition for Use in Connection with the Forming of Soft Metal Bearings.
Claims use since Aug. 5, 1938.

Ser. No. 410,087. REICHHOLD CHEMICALS, INC., Detroit, Mich. Filed Aug. 29, 1938.



No claim is made to the word "Chemicals" apart from the mark.
For Resins, Particularly Synthetic Resins, and Processed Natural Resins; Resin Solutions, Particularly Plastic Resin Solutions.
Claims use since July, 1938.

Ser. No. 411,098. THE MOELDER COAL COMPANY, Cincinnati, Ohio. Filed Sept. 29, 1938.

HAPPY-PAK

The word "Pak" is disclaimed apart from the mark.
For Fuel—Namely, Coal.
Claims use since Sept. 19, 1938.

Ser. No. 411,484. AMERICAN ANODE INC., Wilmington, Del., and Akron, Ohio. Filed Oct. 11, 1938.

FLEXFILM

For Sheet Material Made from Aqueous Dispersions of Natural and/or Artificial Rubber and Paraffin.
Claims use since Sept. 12, 1938.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 411,012. SECO LEATHER PRODUCTS COMPANY, West New York, N. J. Filed Sept. 26, 1938.

BILL-MASTER

For Leather Goods, Particularly Bill Folds.
Claims use since Sept. 2, 1938.

Ser. No. 411,013. SECO LEATHER PRODUCTS COMPANY, West New York, N. J. Filed Sept. 26, 1938.

MODERNAIRE

For Leather Goods, Particularly Bill Folds.
Claims use since Aug. 20, 1938.

Ser. No. 411,014. SECO LEATHER PRODUCTS COMPANY, West New York, N. J. Filed Sept. 26, 1938.

ZIP-MASTER

For Leather Goods, Particularly Bill Folds.
Claims use since Sept. 15, 1938.

Ser. No. 411,061. THE VIRGIN ISLANDS COOPERATIVE, INC., St. Thomas, Virgin Islands. Filed Sept. 28, 1938.



For Purses, Billfolds, Shopping Bags, Knitted Bags, Pajama Bags, and Hand Bags.
Claims use since May, 1931.

Ser. No. 411,256. THE VIRGINIA ART GOODS STUDIOS, INC., Lynchburg, Va. Filed Oct. 3, 1938.

Buddy

For Purses.
Claims use since Sept. 25, 1938.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 393,363. B. T. BABBITT, INC., New York, N. Y. Filed May 28, 1937. Under 10-year proviso.

Babbitt's

For Cleanser for Articles of Enamel, Porcelain, Glass, Metal, Linoleum, and Wood.
Claims use since 1851.

Ser. No. 397,253. LONDON HOUSE, LTD., New York, N. Y. Filed Sept. 9, 1937.



London House

No claim is made to the words "London House" apart from the mark.
For Shaving Soap.
Claims use since Aug. 10, 1937.

Ser. No. 405,095. ABBEY PRODUCTS CORPORATION, New York, N. Y. Filed Apr. 11, 1938.



No claim is made to the words "Dri Shave Set" apart from the mark or to the representation of a label per se. The drawing is lined for blue.
For Beard Softener for Use in Dry Shaving.
Claims use since Mar. 1, 1938.

Ser. No. 410,481. PIONEER COMPANY, Louisville, Ky. Filed Sept. 12, 1938.

Zip-Glo

For Cleaning Preparation in Powder Form Having Incidental Water Softening Properties.
Claims use since July 7, 1937.

Ser. No. 410,826. BEHR-MANNING CORPORATION, Troy, N. Y. Filed Sept. 21, 1938.

Reso-Dry

No claim is made to the word "Dry" used alone.
For Coated Abrasives, Such as Abrasive Papers and Cloths.
Claims use since Aug. 24, 1938.

Ser. No. 410,827. BEHR-MANNING CORPORATION, Troy, N. Y. Filed Sept. 21, 1938.

Reso-Wet

No claim is made to the word "Wet" used alone.
For Coated Abrasives, Such as Abrasive Papers and Cloths.
Claims use since Aug. 24, 1938.

Ser. No. 411,205. BEACH SOAP COMPANY, Lawrence, Mass. Filed Oct. 3, 1938.

BESCOUR

For Soap.
Claims use since July 11, 1938.

Ser. No. 411,224. INDUSTRIAL SOAP CO., St. Louis, Mo. Filed Oct. 3, 1938.

METONE

For Powdered Hand Soap.
Claims use since Mar. 1, 1938.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 404,303. GESELLSCHAFT FÜR PÖKELSALZE INH. M. H. CARL SEIFERT, Berlin-Weissensee, Germany.

KAMASET

Filed Mar. 21, 1938.
For Pickling Salt and Food Preservatives.
Claims use since May, 1924.

Ser. No. 404,666. SHARPE & DOHME, INCORPORATED, Philadelphia, Pa. Filed Mar. 30, 1938.

VACAGEN

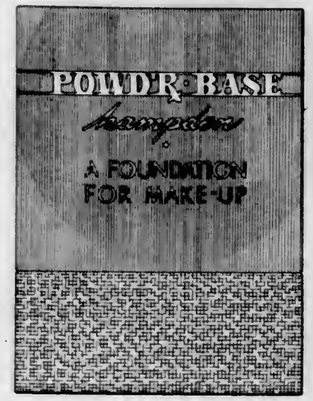
For Biological Antigenic Substances for Oral Administration.
Claims use since Feb. 16, 1937.

Ser. No. 405,380. FRANK W. BOWER, doing business as Better Health Research Foundation, Los Angeles, Calif. Filed Apr. 18, 1938.

SEA-LAN

For Therapeutic Food Concentrates, in Powder, Tablet, and Liquid Forms, Comprising Selected Combinations of Desiccated Ingredients Calculated to Supply Elements of Diet That are Most Commonly Lacking.
Claims use since Apr. 10, 1934.

Ser. No. 408,649. V. DAVID LEAVIN, doing business as Hampden Sales Association, New York, N. Y., assignor to Hampden Sales Association, Inc., New York, N. Y. Filed July 19, 1938.



The words "A Foundation for Make-Up", "Powd'R Base", and "Hampden" are disclaimed apart from the mark. The drawing is lined for red and gold.
For Preparation Used as a Powder Base, a Complexion Aid, and Foundation for Make-Up.
Claims use since Sept. 1, 1937.

Ser. No. 408,661. SOCIETE ANONYME LES PARFUMERIES DE GABILLA, Paris, France. Filed July 19, 1938.

QUADRILLE

For Perfumes, Toilet Water, Face Powder, Talcum Powder, Bath Salts, Brilliantine, Bandoline, Rouge, Lipsticks, Dusting Powder, Sachet, Cold Creams, Lotion for the Skin and Hair, Powder and Rouge Compacts.
Claims use since May 19, 1938.

Ser. No. 408,810. J. D. RIEDEL-E. DE HAËN AKTIENGESELLSCHAFT, Berlin-Britz, Germany. Filed July 22, 1938.

Vanirom

For Perfumes, Artificial Perfume Essences, and Cedar-Wood Oil.
Claims use since Sept. 1, 1928.

Ser. No. 408,830. FRANCIS A. CAVE, doing business as Kormik Laboratories, Los Angeles, Calif. Filed July 23, 1938.

KORMIK

For Packaged and Bottled Medical Preparations for Use in Bath Liquids for Promoting Profuse Perspiration Resulting in Elimination of Body Waste Through the Pores of the Skin.
Claims use since July 18, 1938.

Ser. No. 408,881. FLETCHER PRODUCTS, INC., Los Angeles, Calif. Filed July 25, 1938.



For Cough Syrup and Expectorant for the Relief of Hoarseness and Minor Throat and Bronchial Irritations.

Claims use since Jan. 15, 1909.

Ser. No. 408,978. THE WOOD RIDGE MANUFACTURING CO., INC., Wood Ridge, N. J. Filed July 27, 1938.

CATHODIC

For Chemically Pure Metallic Mercury Especially Prepared for Use in Certain Types of Lamps Using Gases Such as Neon, Argon, and the Like, the Material Itself Being a Chemical.

Claims use since March, 1937.

Ser. No. 409,423. PARSEGH G. ESSEFIAN, New York, N. Y. Filed Aug. 10, 1938.

MYOSOTIS

For Liniment for Colds and Muscular Pains Resulting from Colds.

Claims use since July 26, 1938.

Ser. No. 409,479. A. KIEFER MAYER, doing business as The 5 Vitamins Liac Co., Indianapolis, Ind. Filed Aug. 11, 1938.



"The 5 Vitamins With" is disclaimed apart from the mark.

For Vitamin Capsules with a Mixture of Liver Extract and the Higher Valency Iron (Green) and Ammonium Citrate.

Claims use since Aug. 1, 1938.

Ser. No. 409,726. DERRIS, INC., New York, N. Y. Filed Aug. 18, 1938.

1-SHOT

For Drain Pipe Cleaner.

Claims use since July 1, 1938.

Ser. No. 409,855. J. L. VOIGT, doing business as Voigt's Drug Store, Appleton, Wis. Filed Aug. 22, 1938.

DAILY DOUBLE

For Cough Syrups, Cold Capsules, Mineral Oils for Internal Human Consumption, Face Powders, Hand Lotions, Rouge, Lip Sticks, Astringents, Cleansing Creams, Tissue Creams, and Corn Preparations.

Claims use since Apr. 11, 1938.

Ser. No. 409,912. ANTONIO DIMAIO, Bradford, Pa. Filed Aug. 24, 1938.



No claim is made to the words "Hair Tonic" apart from the mark.

For Hair Tonic.

Claims use since Aug. 15, 1938.

Ser. No. 409,930. NORTHMONT HOSIERY CORPORATION, Reading, Pa. Filed Aug. 24, 1938.

Precious Cosmetics

The word "Cosmetics" is disclaimed apart from the mark.

For Oil for the Treatment of Full Fashioned Hosiery.

Claims use since July 5, 1938.

Ser. No. 409,953. MARK W. ALLEN & CO., Detroit, Mich. Filed Aug. 25, 1938.



No claim is made to the words "London Lavender" apart from the mark or to the outline of the label.

For Skin Freshener and Body Rub.

Claims use since Aug. 22, 1938.

Ser. No. 409,987. ELIZABETH ARDEN, INC., New York, N. Y. Filed Aug. 26, 1938.

COPPER ROSE

No claim is made to the word "Rose" apart from the mark.

For Lipstick, Nail Polish, Rouge.

Claims use since Aug. 25, 1938.

Ser. No. 410,054. ANDREW WILSON INC., Springfield, N. J. Filed Aug. 27, 1938.

Wilson's

RID-O-RAT

The word "Wilson's" is disclaimed apart from the mark.

For Exterminator for Rats and Other Rodents.

Claims use since March, 1933.

Ser. No. 410,055. ANDREW WILSON INC., Springfield, N. J. Filed Aug. 27, 1938.

Wilson's

SOIL-O-GAS

Applicant disclaims the words "Wilson's", "Soil", and "Gas" apart from the mark.

For Preparation to be Applied to the Soil for Destroying Insects, Vermin, and the Like.

Claims use since March, 1933.

Ser. No. 410,128. JOSEPH BANOVITCH, Belle, W. Va. Filed Aug. 31, 1938.

BANOVITCH'S



Joseph Banovitch

PREPARATIONS

The portrait and signature are those of applicant. No claim is made to the word "Preparations" apart from the mark.

For Medicinal Preparations for the Treatment of Liver, Colitis, Constipation, Kidney and Prostate Complaints, Rheumatism, Neuritis, Gas and Stomach Disorders, Kidney, Bladder, Gastric Ulcer, Cancer, Catarrh, Ointment for Goiter and Female Organic Disorders.

Claims use since Aug. 3, 1938.

Ser. No. 410,227. J & R MOTOR SUPPLY COMPANY, Chicago, Ill. Filed Sept. 2, 1938.

"ESKIMO"

For Anti-Freeze Solutions for Internal Combustion Engines.

Claims use since Sept. 16, 1935.

Ser. No. 410,264. CHARLES MCARDLE, New York, N. Y. Filed Sept. 3, 1938.

CONTROLLED POWER HEAT ENERGY

PEPS-IT

The words "Power Controlled Energy Heat" are disclaimed apart from the mark.

For Liquid Having Solvent and Lubricating Qualities to Improve Combustion in Internal Combustion Engines.

Claims use since Aug. 22, 1938.

Ser. No. 410,422. ARNOLD, HOFFMAN & CO. INCORPORATED, Providence, R. I. Filed Sept. 10, 1938.

AHCONOL

For Chemical Products for Use in Processing Textiles.

Claims use since Apr. 1, 1938.

Ser. No. 410,576. BAIRD & MCGUIRE, Holbrook, Mass. Filed Sept. 15, 1938.

BAC-TROL

For Disinfectants, Deodorants, and Germicides.

Claims use since Apr. 1, 1938.

Ser. No. 410,642. MARGUERITE DESQUENNE, New York, N. Y. Filed Sept. 16, 1938.



The words "Reducing Compress" are disclaimed apart from the mark.

For Weight Reducing Composition for Human Bodies.
Claims use since July 15, 1938.

Ser. No. 411,092. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany. Filed Sept. 29, 1938.

ALKAZID

For Chemical Preparations for Use in the Purification of Gases.
Claims use since Mar. 13, 1936.

CLASS 7

Cordage

Ser. No. 411,030. S. H. KRESS AND COMPANY, New York, N. Y. Filed Sept. 27, 1938.

DICTATOR

For Clothes Lines.
Claims use since January, 1933.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 411,663. UNIMAR CORPORATION, Chicago, Ill. Filed Oct. 15, 1938.

HUMIDUREX

For Tobacco Pouches.
Claims use since Oct. 1, 1938.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 411,605. HERCULES POWDER COMPANY, Wilmington, Del. Filed Oct. 14, 1938.

HERCULES 2400

For Smokeless Powder.
Claims use since Aug. 4, 1932.

CLASS 10

Fertilizers

Ser. No. 411,080. WILLIAM CHESLEY BOWMAN, JR., doing business as William Bowman Company, Montgomery, Ala. Filed Sept. 29, 1938.

PENUMUS

For Fertilizer and Poultry Litter.
Claims use since May 16, 1938.

Ser. No. 411,081. WILLIAM CHESLEY BOWMAN, JR., doing business as William Bowman Company, Montgomery, Ala. Filed Sept. 29, 1938.

PENURA

For Fertilizer and Poultry Litter.
Claims use since May 16, 1938.

CLASS 11

Inks and Inking Materials

Ser. No. 397,487. STANDARD MAILING MACHINES COMPANY, Everett, Mass. Filed Sept. 16, 1937.



Applicant disclaims the word "Standard" apart from the mark.

For Duplicating Fluid.
Claims use since Aug. 10, 1937.

CLASS 12

Construction Materials

Ser. No. 404,154. LADD LIME AND STONE COMPANY, Cartersville, Ga. Filed Mar. 17, 1938.



For Mason's Hydrated Lime, Lump Lime, and Pulverized Quicklime.
Claims use since 1911.

Ser. No. 409,932. THE PAPER SERVICE COMPANY, Lockland, Ohio. Filed Aug. 24, 1938.

SERVEX

For Materials Formed of or Including Creped, Corrugated, or Creped and Corrugated Papers, and Used as Roofing, Insulation Paper, Sound-Dampening Material, and Building Paper.
Claims use since Oct. 1, 1926.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 389,594. ACE ENGINEERING COMPANY, Chicago, Ill. Filed Mar. 3, 1937.

ACE UNIFLOW

For Semi-Automatic Metallic Valves for Controlling the Supply of Fuel to Oil Burners.
Claims use since Oct. 9, 1936.

Ser. No. 410,162. ACUSHNET PROCESS COMPANY, Acushnet and New Bedford, Mass. Filed Sept. 1, 1938.

OXY-JET

For Water Aerators.
Claims use since July 24, 1938.

Ser. No. 410,694. HOBOKEN WROUGHT IRON ANDIRON CO., Hoboken, N. J. Filed Sept. 17, 1938.

SLIDEASE

For Fire Screens.
Claims use since Aug. 4, 1938.

Ser. No. 411,231. GERTRUDE P. MESTON, St. Louis, Mo. Filed Oct. 3, 1938.

SINK-AID

For Plumbing Fixture Attachments—Namely, Brackets for Attachment to the Pipe Line Behind a Sink Spigot or Shower Rose for the Reception of Brushes, Cloths, and the Like.
Claims use since Sept. 19, 1938.

Ser. No. 411,238. NORTON LASIER COMPANY, Chicago, Ill. Filed Oct. 3, 1938.

"Miracle"

For Door Checks and Closers.
Claims use since July 11, 1938.

Ser. No. 411,285. HARRY E. SHAW, doing business as Hose Accessories Company, Philadelphia, Pa. Filed Oct. 4, 1938.

HY & LO

For Hose Couplings.
Claims use since Sept. 19, 1938.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 410,933. SIMONDS SAW AND STEEL CO., Fitchburg, Mass., and Lockport, N. Y. Filed Sept. 23, 1938.

CROBIDE

For Alloy Steel.
Claims use since July 28, 1938.

CLASS 16

Paints and Painters' Materials

Ser. No. 401,323. CARR BURRELL, doing business as All-Wax Products of New Jersey, Irvington, N. J. Filed Dec. 24, 1937.

ALL-WAX
TRADE MARK
CLEANS
AND
PRESERVES
— All In One Operation —
For New Car
No. 500
Contains 16 oz. Price $1.00

All the wording appearing on the drawing with the exception of the notation "No. 500" is disclaimed except in the form and association as shown. The words "All-Wax" and the notation "No. 500" are printed in red as shown on the specimens and by the lining on the drawing and the color is a material feature of applicant's mark.
For Automobile Wax and Polish.
Claims use since Jan. 1, 1935.

Ser. No. 411,125. LEHMAN BROS. CORP., Jersey City, N. J. Filed Sept. 30, 1938.



OX-O-PRIME

The word "Prime" is disclaimed apart from the mark.
For Ready-Mixed and Paste Paints, Varnishes, and Paint Enamels.
Claims use since September, 1936.

Ser. No. 411,126. LEHMAN BROS. CORP., Jersey City, N. J. Filed Sept. 30, 1938.



OX-O-SPAR

The word "Spar" is disclaimed apart from the mark.
For Ready-Mixed and Paste Paints, Varnishes, and Paint Enamels.
Claims use since September, 1936

Ser. No. 411,138. HARRY G. SARGENT, doing business as Harry G. Sargent Paint Company, Indianapolis, Ind. Filed Sept. 30, 1938.

Neu-Art

For Paint Enamels, Stains, Ready-Mixed Paints, Wall Paints, Varnishes, Prepared Shellacs, Paste Paints, and Oil Colors.
Claims use since Jan. 2, 1938.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 411,672. THE ANDERSON COMPANY, Gary, Ind., Filed Oct. 17, 1938.

INDESTRUCTO

For Windshield Wiper Blades, Windshield Wiper Arms, and Parts Thereof.
Claims use since Oct. 1, 1938.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 409,036. HYTRON CORPORATION, Salem, Mass. Filed July 29, 1938.

BANTAM

For Radio Tubes.
Claims use since November 1937.

Ser. No. 411,159. GENERAL ELECTRIC COMPANY, Schenectady, N. Y. Filed Oct. 1, 1938.

FORMEX

For Electrical Wires, Cables, and Conductors.
Claims use since Sept. 1, 1938.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 410,958. GERALD J. HALTON, Venice, Calif. Filed Sept. 24, 1938.

[redacted]

No claim is made to the word "Hollywood" apart from the mark.
For Game Card Holders and Blanks for a Game of Chance.
Claims use since Aug. 15, 1938.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 410,371. THOR. E. OLSON, Chicago, Ill. Filed Sept. 8, 1938.

"Let a
THOR FLUE SHAVER
Be Your Fuel Saver"

The words "Flue Shaver" and "Fuel Saver" are disclaimed apart from the mark.
For Mechanical Flue Cleaner for Fire Tube Boilers.
Claims use since June 1, 1932.

Ser. No. 411,041. VAUGHAN & BUSHNELL MFG. CO., Chicago, Ill. Filed Sept. 27, 1938.

SUB-ZERO

For Axes.
Claims use since Apr. 30, 1938.

Ser. No. 411,042. VAUGHAN & BUSHNELL MFG. CO., Chicago, Ill. Filed Sept. 27, 1938.

TROPICAL

For Axes.
Claims use since Aug. 20, 1938.

Ser. No. 411,201. AKTIEBOLAGET ATLAS-DIESEL, Stockholm, and Sickla, Stockholm, Sweden. Filed Oct. 3, 1938.

POLAR

For Diesel Motors and Other Internal Combustion Engines.
Claims use since Jan. 22, 1909.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 410,311. SPRINGLESS SCALE CORPORATION, Chicago, Ill. Filed Sept. 6, 1938.

WATE-KING

For Weighing Scales.
Claims use since Aug. 25, 1938.

Ser. No. 411,050. THE FOLMER GRAFLEX CORPORATION, Rochester, N. Y. Filed Sept. 28, 1938.

NATIONAL

For Photographic Apparatus Comprising Cameras and Accessories Therefor, Including Carrying Cases, Telephoto Lenses, Filters, Copying Attachments, Diffusion Disks, View Finders, Sunshades.
Claims use since Jan. 5, 1933.

Ser. No. 411,176. NATIONAL CARBON COMPANY, INC., New York, N. Y. Filed Oct. 1, 1938.

HITEX

For Arc Lamps and Carbons for Use in Motion Picture, Photographic, and Blueprint Apparatus, and in Other Measuring and Scientific Appliances.
Claims use since Feb. 25, 1938, on arc lamps; since May 12, 1938, on carbons.

Ser. No. 411,177. NATIONAL CARBON COMPANY, INC., New York, N. Y. Filed Oct. 1, 1938.

ULTREX

For Arc Lamps and Carbons for Use in Motion Picture, Photographic, and Blueprint Apparatus and in Other Measuring and Scientific Appliances.
Claims use since Mar. 14, 1938, on arc lamps; since May 12, 1938, on carbons.

CLASS 32

Furniture and Upholstery

Ser. No. 409,843. LUSSKY, WHITE & COOLIDGE, INC., Chicago, Ill. Filed Aug. 22, 1938.

STOCKSAVER

For Store and Display Fixtures for Supporting and Displaying Goods.
Claims use since July 6, 1938.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 111,393. YANKEE METAL PRODUCTS CORP., Norwalk, Conn. Filed Oct. 7, 1938.

YANKEE

For Vehicular Accessories—Namely, Vehicle Safety Reflecting Signal Lenses.
Claims use since 1925.

Ser. No. 411,561. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed Oct. 12, 1938.

LOCKLITE

For Reflectors and Hoods for Electric Lamps.
Claims use since May 25, 1938.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 384,770. WESTMINSTER TIRE CORPORATION, New York, N. Y. Filed Oct. 24, 1936.

CUSTOMWHEEL

For Rubber Tires and Inner Tubes Therefor.
Claims use since July 22, 1936.

Ser. No. 389,680. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Mar. 5, 1937.

GROUND GRIP

For Resilient Vehicle Tires of Rubber or Rubber Composition or Rubber and Fabric.
Claims use since May 2, 1929.

Ser. No. 410,687. DENMAN TIRE & RUBBER COMPANY, Warren, Ohio, and New York, N. Y. Filed Sept. 17, 1938.

MERCURY

For Tires and Inner Tubes for Pneumatic Vehicle Tires.
Claims use since Aug. 1, 1938.

CLASS 36

Musical Instruments and Supplies

Ser. No. 405,211. W. W. KIMBALL COMPANY, Chicago, Ill. Filed Apr. 13, 1938.

Consolette

No claim is made to the word "Consolette" apart from the mark.
For Pianos.
Claims use since Nov. 1, 1935.

Ser. No. 406,404. FREDERICK STROBEL, Evanston, Ill. Filed May 16, 1938.

PHONO PHONIC

For Combination Radio and Phonograph.
Claims use since May 2, 1938.

CLASS 37

Paper and Stationery

Ser. No. 401,748. MILPRINT, INC., Milwaukee, Wis. Filed Jan. 10, 1938.

Mil-o-phane

For Coated Sheets of Paper or the Like.
Claims use since Dec. 28, 1937.

Ser. No. 408,496. THE DOBECKMUN COMPANY, Cleveland, Ohio. Filed July 14, 1938.

DOLITE

For Coated Plain Paper, Coated and Printed Wrapping Paper, Paper Stock, and Paper-Like Web Material.
Claims use since June 15, 1938.

Ser. No. 408,786. FIELD-HAMILTON-SMITH PAPER CO., Omaha, Nebr. Filed July 22, 1938.



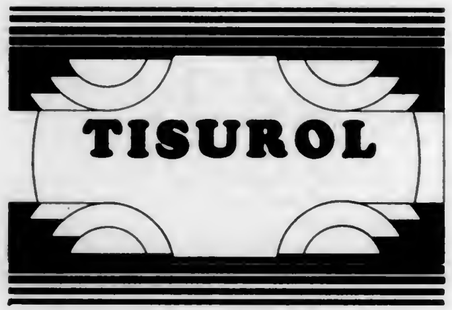
The word "Papers" is disclaimed apart from the mark.
For Paper Products—Namely, Towels, Napkins, Wrapping Paper, Toilet Paper, Envelopes, Waxed Paper, Writing Tablets, Papeteries, Stationery—Namely, Writing Paper and Envelopes; Gummed Paper, Glassine, Table Cloths, Picnic Sets, Tissue Paper, Loose Leaf Fillers, Crepe Paper, Shelf Paper, Paper Doilies, Chop Holders, and Corrugated Paper.
Claims use since May 24, 1938.

Ser. No. 410,954. GOLDSMITH BROS., New York, N. Y. Filed Sept. 24, 1938.



The words "Leader in Duplicating" and "Duplicating Stencils" are disclaimed apart from the mark.
For Duplicating Stencils.
Claims use since Oct. 19, 1936.

Ser. No. 411,399. CARPENTER PAPER COMPANY, Omaha, Nebr. Filed Oct. 8, 1938.



For Toilet Tissue.
Claims use since Dec. 2, 1937.

Ser. No. 411,649. NATION WIDE PAPERS, INC., Chicago, Ill. Filed Oct. 15, 1938.

STYLETONE

For Mimeograph Paper.
Claims use since October, 1938.

Ser. No. 411,665. WYOMING VALLEY PAPER MILL, Northumberland, N. H. and New York, N. Y. Filed Oct. 15, 1938.

Industrious Andy

For Paper Towels.
Claims use since July 14, 1938.

CLASS 38

Prints and Publications

Ser. No. 402,513. THE LUTHERAN NEWS COMPANY, Minneapolis, Minn. Filed Jan. 31, 1938.

The Lutheran News

For Periodical.
Claims use since June 1, 1937.

Ser. No. 406,467. ROSSOTTI LITHOGRAPHING CO. INC., New York, N. Y. Filed May 18, 1938.

TRU-VU

For Printed Labels.
Claims use since Apr. 1, 1938.

Ser. No. 409,509. DATE COUNSELOR, INC., Deerfield, Ill. Filed Aug. 12, 1938.

Date Counselor

For Calendars.
Claims use since Aug. 4, 1938.

CLASS 39

Clothing

Ser. No. 389,228. BLUME KNITWEAR, INC., New York, N. Y. Filed Feb. 23, 1937.

Mercette

For Knitwear Consisting of Women's and Children's Knitted Sweaters, Blouses, Skirts, Suits, Caps, Scarfs, and Coats Made of Wool, Silk, and Cotton, or Combinations Thereof.
Claims use since Feb. 1, 1936.

Ser. No. 398,833. A. S. BECK SHOE CORPORATION, New York, N. Y. Filed Oct. 23, 1937.

A. S. BECK Summertime FASHIONS

Applicant disclaims the notation "Summertime Fashions" apart from the mark.

For Men's and Women's Shoes and Slippers Made of Leather and/or Fabric or Mixtures of these Materials.

Claims use since Oct. 14, 1937.

Ser. No. 404,426. ADVANCE WOOL SKIN SHOE CO., Chicago, Ill. Filed Mar. 24, 1938.

Eskimo Woolies

The wording consists of "Eskimo Woolies". The word "Eskimo" is disclaimed apart from the mark.

For Slippers, Shoes, and Boots Made of Leather, Rubber, or Fabric, or Combinations Thereof.

Claims use since Aug. 24, 1936.

Ser. No. 405,609. HAROLD C. MYERS, doing business as E. B. Myers Co., Los Angeles, Calif. Filed Apr. 22, 1938.



No claim is made to the words "California" and "Authentic California Made Merchandise Bears This Tag" or to the shape of the label per se or to the outline of the State of California, except as shown.

For Aprons for Household Use, and Sport Clothes for Women and Children—Namely, Coats, Jackets, Shirts, Halters, Brassières, Shorts, Slacks, Culottes, Dresses, Overalls, Hats, Playsuits, Sunsuits, Bathing Suits, Swim Suits, Skirts, Fabric Shoes, Hosiery, Smocks, Bathrobes, Handkerchiefs, Scarfs, Pajamas, and Lounging Robes.

Claims use since Apr. 6, 1938.

Ser. No. 406,833. THE G. EDWIN SMITH SHOE COMPANY, Columbus, Ohio. Filed May 27, 1938.

NISLEY Foot Youth FLEXIBLE SHANK

FOR EASY WALKING

The words "Nisley" and "Flexible Shank for Easy Walking" are disclaimed apart from the mark.

For Women's and Misses' Shoes Made of Leather, Fabric, and Combinations Thereof.

Claims use since May 10, 1938.

Ser. No. 407,738. OPOTOWSKY BROS., INC., New Orleans, La. Filed June 21, 1938.

Le Ciel Lingerie



The pictures are fanciful. The word "Lingerie" and the representation of wearing apparel are disclaimed apart from the mark.

For Ladies' and Misses' Lingerie—Namely, Slips, Petticoats, Gowns, and Brassières.

Claims use since Mar. 25, 1938.

Ser. No. 407,860. GREENSTONE, STERN CO., INC., New York, N. Y. Filed June 24, 1938.

SUN STAR

For Men's and Boys' Jackets and Trousers.

Claims use since Apr. 20, 1938.

Ser. No. 408,486. GOLDWATERS MERCANTILE CO., Phoenix, Ariz. Filed July 12, 1938.

THE BRANDING IRON

GOLDWATERS ARIZONA

Applicant disclaims the words "Goldwaters" and "Arizona" except as shown.

For Ladies' and Girls' Dresses, Frocks, Blouses, Petticoats, Slips, Sweaters, Coats, Suits, Sport Jackets, Sport Shirts, Slacks, Bathing Suits, Hats, Hosiery, Leather, Fabric, and Leather and Fabric Gloves, Handkerchiefs, Scarfs, Sun Suits and Pajamas, and Men's and Boys' Sweaters, Outer Shirts, Undershirts, Pants, Underpants, Underwear, Neckties, Socks, Coats, Overcoats, Suits, Bathing Suits, Swim Trunks, and Pajamas.

Claims use since Jan. 1, 1938.

Ser. No. 409,051. NATIONAL SILK HOSIERY MILLS, INC., Indianapolis, Ind. Filed July 29, 1938.

Appointment HOSIERY

No claim is made to the term "Hosiery" apart from the mark.

For Hosiery.

Claims use since June 1, 1938.

Ser. No. 409,281. OLYMPIC KNITTING MILLS, INC., New York, N. Y. Filed Aug. 5, 1938.

"MIDGIE"

For Knitted Sweaters.

Claims use since Aug. 2, 1938.

Ser. No. 409,302. FRANK AND PURSELL, Los Angeles, Calif. Filed Aug. 6, 1938.

Francelle

For Ladies' and Misses' Suits and Dresses in Silk and Wool.

Claims use since May 13, 1938.

Ser. No. 409,451. WEIL CLOTHING COMPANY, St. Louis, Mo. Filed Aug. 10, 1938.

RAIN R SHINE

For Men's and Boys' Hats.

Claims use since July 15, 1938.

Ser. No. 409,790. WIZARD LIGHTFOOT APPLIANCE CO., St. Louis, Mo. Filed Aug. 19, 1938.



The words "Shoes" and "Product" are disclaimed apart from the mark.

For Infants' Shoes.

Claims use since June 8, 1938.

Ser. No. 409,931. NORTHMONT HOSIERY CORPORATION, Reading, Pa., and New York, N. Y. Filed Aug. 24, 1938.

Wraptex Crepe

The trade-mark consists of the words "Wraptex Crepe." The word "Crepe" is disclaimed apart from the mark.

For Hosiery.

Claims use since June 1, 1938.

Ser. No. 410,009. WEIL KALTER MFG. CO., St. Louis, Mo. Filed Aug. 26, 1938.



ARTEMIS

For Garments for Ladies and Children—Namely, Bloomers, Panties, "Briefs", Vests, Chemises, Petticoats, Slips, Gowns, and Pajamas.

Claims use since July 5, 1938.

Ser. No. 410,352. ADELAAR BROS., INC., New York, N. Y. Filed Sept. 8, 1938.

FASHION Bond Street SHIRTMAKERS

The words "Fashion Shirtmakers" are disclaimed apart from the mark.

For Ladies' Blouses and Shirts.

Claims use since June 28, 1937.

Ser. No. 410,448. BANCROFT WALKER COMPANY, Waltham, Mass. Filed Sept. 12, 1938.

STRETCHIES

For Women's Shoes of Leather, Rubber, or Fabric or of Combination of Said Materials.

Claims use since Aug. 9, 1938.

Ser. No. 410,562. SYNDICATE CLOTHING COMPANY, Cedar Rapids, Iowa. Filed Sept. 14, 1938.

CRESTCRAFTER

For Men's and Boys' Suits, Topcoats, and Overcoats.

Claims use since Sept. 7, 1938.

Ser. No. 410,598. MAY HOSIERY MILLS, INC., Burlington, N. C. Filed Sept. 15, 1938.

GLORIFIES THE AMERICAN LEG

No claim is made to the term "American" apart from the mark.
For Hosiery.
Claims use since Aug. 19, 1938.

Ser. No. 410,911. CASEY JONES, INC., Baltimore, Md. Filed Sept. 23, 1938.

THE AMERICAN WORKER

The word "American" is disclaimed apart from the mark.
For Work Clothing—Namely, Overalls.
Claims use since May 6, 1918.

Ser. No. 410,984. BEST & CO. INC., New York, N. Y. Filed Sept. 26, 1938.

"A Tisket A Tasket"

For Misses' and Girls' Hats.
Claims use since Sept. 22, 1938.

Ser. No. 410,995. DAVID M. GOODSTEIN, INC., New York, N. Y. Filed Sept. 26, 1938.

Goodmark

For Ladies' Dresses.
Claims use since May, 1938.

Ser. No. 411,109. VANITY CORSET COMPANY, INC., New York, N. Y. Filed Sept. 29, 1938.

ALLastic

For Corsets, Corselets, Girdles, Bandeaux, Panties, and Brassières.
Claims use since Aug. 15, 1937.

Ser. No. 411,110. WASHINGTON MANUFACTURING CO., Nashville, Tenn. Filed Sept. 29, 1938.

MATCH-ME

For Boys' and Men's Shirts and Pants.
Claims use since July 10, 1934.

Ser. No. 411,246. RACINE SHOE MANUFACTURING COMPANY, Racine, Wis. Filed Oct. 3, 1938.

the "BOWLEZE"

For Shoes Made Mainly of Leather.
Claims use since Aug. 17, 1938.

Ser. No. 411,272. THE HAGERSTOWN RUBBER COMPANY, Hagerstown, Md. Filed Oct. 4, 1938.

DAGMAR

For Rubber Heels and Rubber Soles.
Claims use since Jan. 15, 1938.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 408,932. S & K SALES CO., San Francisco, Calif. Filed July 26, 1938.

ANCHOR

For Combs and Holders Therefor.
Claims use since Apr. 28, 1938.

Ser. No. 410,285. AR-DON COMPANY, INC., Rye, N. Y. Filed Sept. 6, 1938.

AR-DON

For Fasteners for Detachably Securing Buttons, Ornaments, and the Like.
Claims use since Mar. 21, 1938.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 398,675. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Oct. 19, 1937.

GOODYEAR

For Woolen Automobile Robes.
Claims use since Sept. 21, 1937.

Ser. No. 404,164. CROMPTON COMPANY, West Warwick, R. I., assignor to Crompton Company, a corporation of Delaware. Filed Mar. 17, 1938.

Teddy

For Corduroy Fabrics in the Piece, Made of Cotton.
Claims use since Feb. 9, 1938.

Ser. No. 409,676. BARTMANN & BIXER INC., New York, N. Y. Filed Aug. 17, 1938.

Circlette

A KENNETH CURTAIN

The word "Curtain" is disclaimed apart from the mark.
For Window Curtains Composed of Cotton, Silk, Artificial Silk or Combinations Thereof.
Claims use since June 1, 1938.

Ser. No. 410,196. VELVERAY CORPORATION OF AMERICA, New York, N. Y. Filed Sept. 1, 1938.

PATENTONE

For Decorated, Printed, and Ornamented Knitted and Woven Textile Piece Goods, Which Piece Goods are Crepe Goods, Flat Goods, or Pile Goods and Consist of Cotton, Silk, Linen, Wool, or Mixtures Thereof.
Claims use since July, 1938.

Ser. No. 410,553. PEPPERELL MANUFACTURING COMPANY, Boston, Mass. Filed Sept. 14, 1938. Under section 5b of the act of 1905 as amended in 1920.

PEPPERELL

For Textile Fabrics in the Piece of All Types and Styles, Made of Cotton, Silk, Rayon, Artificial Silk, Wool, or Mixtures of Cotton and Silk, Cotton and Rayon, Cotton and Artificial Silk, Cotton and Wool, or Wool and Silk, Wool and Rayon, or Wool and Artificial Silk; Towels and Toweling; Coverlets, Bed Spreads, Quilts, Comforter Covers, Puff Covers, Counterpanes, Mattress Ticking, Bed Sheets, Pillow Cases, and Table Covers Manufactured from Said Fabrics or Any of Them; and Blankets Made of Cotton, Wool, or Mixtures of Cotton and Wool, or Mixtures of Cotton and Silk, Cotton and Rayon, or Cotton and Artificial Silk.
Claims use since 1852.

Ser. No. 410,812. D. N. & E. WALTER & CO., San Francisco, Calif. Filed Sept. 20, 1938.

Walco

For Draperies, Carpets, and Rugs.
Claims use since July 1, 1913.

Ser. No. 410,834. JOHN B. ELLISON & SONS, INC., Philadelphia, Pa. Filed Sept. 21, 1938.

Peebleshire Tweeds

The word "Tweeds" is disclaimed apart from the mark.
For Woolen Piece Goods.
Claims use since February, 1938.

Ser. No. 410,863. FRENCH FABRICS, CORPORATION, New York, N. Y. Filed Sept. 22, 1938.

MINJAY CREPE

Applicant disclaims the word "Crepe" aside from the mark.
For Silk, Rayon, Combinations Thereof, and Cotton Goods in the Piece.
Claims use since Aug. 1, 1935.

Ser. No. 410,895. ARTHUR BEIR & CO., INC., New York, N. Y. Filed Sept. 23, 1938.

DU-DHAB PRINTS

No claim is made to the word "Prints" apart from the mark.
For Piece Goods of Synthetic Yarn and Flax.
Claims use since Sept. 14, 1938.

Ser. No. 410,913. HERBERT R. LEEDS & CO., INC., New York, N. Y. Filed Sept. 23, 1938.

Gossamer

For Woolen, Worsted, Linen, Tropical, and Rayon Piece Goods.
Claims use since July 14, 1938.

Ser. No. 411,056. MCCRORY STORES CORPORATION, New York, N. Y. Filed Sept. 28, 1938.

ALBAN

For Wool and Cotton Blankets, Pillow Cases, Sheets, and Quilts.
Claims use since July 15, 1938.

Ser. No. 411,058. SCHNEIDERMAN BROS., New York, N. Y. Filed Sept. 28, 1938.

ROCKMONT

For Woolen Fabrics.
Claims use since November, 1937.

Ser. No. 411,062. THE VIRGIN ISLANDS COOPERATIVE, INC., St. Thomas, Virgin Islands. Filed Sept. 28, 1938.



For Napkins, Towels, Bridge Sets, Ties, Luncheon Sets, Table Runners, Pillow Cases, Hooked Rugs, and Doilies.
Claims use since May, 1931.

Ser. No. 411,076. WILLIAM L. BARRELL COMPANY, INC., New York, N. Y. Filed Sept. 29, 1938.

CASUELLE

For Cotton Slack Cloth in the Piece.
Claims use since Aug. 18, 1938.

Ser. No. 411,077. WILLIAM L. BARRELL COMPANY, INC., New York, N. Y. Filed Sept. 29, 1938.

HIYA

For Gabardine in the Piece.
Claims use since Aug. 18, 1938.

Ser. No. 411,078. WILLIAM L. BARRELL COMPANY, INC., New York, N. Y. Filed Sept. 29, 1938.

LOFA

For Gabardine in the Piece.
Claims use since Aug. 18, 1938.

Ser. No. 411,100. PENDLE & RIVETT LIMITED, London England. Filed Sept. 29, 1938.

FINLANA

For Cloths and Stuffs of Wool and Worsted.
Claims use since Dec. 22, 1937.

CLASS 43

Thread and Yarn

Ser. No. 410,973. JULIUS A. WEINBERGER, doing business as The Jawline Company, New York, N. Y. Filed Sept. 24, 1938.



For Angora Yarn.
Claims use since Aug. 22, 1938.

Ser. No. 411,130. MT. VERNON-WOODBERRY MILLS, INC., Baltimore, Md. Filed Sept. 30, 1938.

MOBERRIZ

For Crochet Cotton, Sewing Cotton, Cotton Yarn, Knitting Yarn, Yarns (Except Rope), and Cotton Weaving Yarns.
Claims use since June 15, 1937.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 411,659. JULIUS SCHMID, INC., New York, N. Y. Filed Oct. 15, 1938.



For Prophylactic Rubber and Membraneous Articles for the Prevention of Contagious Diseases.
Claims use since Oct. 21, 1932.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 404,933. CANADA DRY GINGER ALE, INC., New York, N. Y. Filed Apr. 6, 1938.

CANADA DRY'S
CONTENTS 12 FLUID OUNCES
Cana-dry COLA
CANADA DRY GINGER ALE INCORPORATED NEW YORK N.Y.

No claim is made to the representation of the label per se or to the words and figures "Contents 12 Fluid Ounces", "Cola", or "New York, N. Y." apart from the mark.
For Non-Alcoholic Carbonated Beverage.
Claims use since Dec. 1, 1937.

Ser. No. 406,796. BILL BOYDSTUN, Duncan, Okla. Filed May 27, 1938.

BOYDSTUN'S VITA SELTZER

No claim is made to the words "Boydstun's" and "Seltzer" apart from the mark.
For Mineral Water.
Claims use since Apr. 6, 1938.

Ser. No. 410,436. ORANGE-CRUSH COMPANY, Chicago, Ill. Filed Sept. 10, 1938.

BUZZ

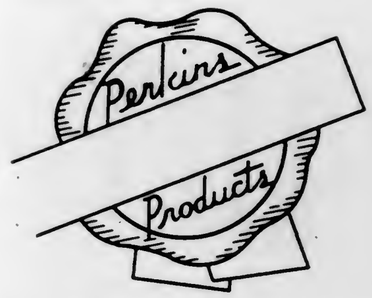
For Non-Alcoholic, Maltless Beverages and Concentrates and Compounds for Making the Same.
Claims use since Aug. 18, 1938.

Ser. No. 410,453. COOL MAID CANDY COMPANY, Salt Lake City, Utah. Filed Sept. 12, 1938.

FRUZOLA

For Powder for Making Non-Alcoholic Maltless Soft Drinks.
Claims use since July 14, 1938.

Ser. No. 410,844. PERKINS PRODUCTS COMPANY, Chicago, Ill. Filed Sept. 21, 1938.



The word "Products" is disclaimed apart from the mark.
For Prepared Powder Containing Flavor, Fruit Acid, and Color Put Up in a Number of Flavors for Making Nonalcoholic Beverage in the Home.
Claims use since Jan. 7, 1938.

Ser. No. 411,291. OTIS COPPOCK, Kokomo, Ind. Filed Oct. 5, 1938.

Thirst-Quench

For Non-Alcoholic, Maltless Beverages.
Claims use since Aug. 18, 1938.

Ser. No. 411,413. HIRES BOTTLING CO., INC. OF HOUSTON, Houston, Tex. Filed Oct. 8, 1938.



For Non-Alcoholic, Non-Cereal, Maltless Beverages, Sold as Soft Drinks and Sirups and Extracts for Making the Same.
Claims use since Mar. 1, 1938.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 395,819. ESKIMO PIE CORPORATION, Bloomfield, N. J. Filed July 30, 1937.

"MIDNITE SUN"

For Chocolate Flavored Ice Cream Coating.
Claims use since Jan. 13, 1937.

Ser. No. 396,293. LOUIS A. M. PHELAN, doing business as Pur-O-Mix Laboratories, Rockton, Ill. Filed Aug. 13, 1937.

LIFT

For Dry Mix with Which to Make Malted Milk, Ice Cream, Ices, and the Frozen Products Therefrom.
Claims use since Dec. 1, 1936.

Ser. No. 396,691. OLIVE HEIGHTS CITRUS ASSOCIATION, Olive, Calif. Filed Aug. 23, 1937.

ZEUS

For Fresh Citrus Fruit.
Claims use since Apr. 26, 1937.

Ser. No. 396,861. AKTIEBOLAGET BRÖDERNE AMELN, Stockholm, Sweden. Filed Aug. 28, 1937.

SNAPPY SNACKS

For Fresh, Salt, Dried, Smoked, Canned, and Preserved Edible Fish Other Than Salmon and Edible Products Thereof.
Claims use since Jan. 19, 1937.

Ser. No. 397,983. CHRISTE A. PHILIOS, Akron, Ohio. Filed Sept. 30, 1937.



For Prepared Foods—Namely, Sandwiches.
Claims use since Sept. 7, 1937.

Ser. No. 398,949. WEST ONTARIO CITRUS ASSOCIATION, Ontario, Calif. Filed Oct. 25, 1937.

HIGHWAY

For Fresh Citrus Fruit.
Claims use since 1911.

Ser. No. 398,951. WEST ONTARIO CITRUS ASSOCIATION, Ontario, Calif. Filed Oct. 25, 1937.

NAROD CHIEF

No claim is made to the word "Narod" apart from the mark.
For Fresh Citrus Fruit.
Claims use since July 1, 1937.

Ser. No. 399,989. A/S FIRDA, Manloy, Norway. Filed Nov. 22, 1937.

KARI

For Hermetically Preserved Fish, Fishballs, and Sardines in Oil.
Claims use since July, 1936.

Ser. No. 401,756. THE PERKINS-EPENETER PICKLE CO., Denver, Colo. Filed Jan. 10, 1938.



The portrait is fanciful.
For Pickles, Tomato Catsup, Prepared Mustard, Mince Meat, Chow Chow, Sweet Pickle Relish.
Claims use since April, 1935.

Ser. No. 405,097. W. F. AUSTIN, doing business as The Orange Car, Harrisburg, Reading, and Allentown, Pa., and Altoona and Umatilla, Fla. Filed Apr. 11, 1938.

THE ORANGE CAR

No claim is made to the word "Orange" apart from the mark.
For Fresh Citrus Fruits Such as Oranges and Grapefruit.
Claims use since Nov. 1, 1933.

Ser. No. 405,701. REUBEN H. LEVY, doing business as Blue Ribbon Cake Company, Blue Ribbon Bakers, and Kingston Cake Co., Kingston, Pa. Filed Apr. 25, 1938.



The applicant is the owner of trade-mark registration No. 199,980 registered June 23, 1925.
For Ordinary Pretzels, Pretzel Dough Baked in the Shape of Almonds and Termed "Nutzels" and Cocktail Sticks, Being Pretzel Dough Baked in the Form of Sticks.
Claims use since June 1, 1937.

Ser. No. 405,802. AMERICAN SEAL-KAP CORPORATION OF DELAWARE, Long Island City, N. Y. Filed Apr. 28, 1938.

ENZYLAC

The word "Lac" is disclaimed apart from the mark.
For Milk of Low Curd Tension.
Claims use since Mar. 3, 1938.

Ser. No. 406,636. DUQUESNE BAKING COMPANY, Pittsburgh, Pa. Filed May 23, 1938.

ALL-IN-1

For Bread.
Claims use since June 1, 1937.

Ser. No. 406,778. EMANUEL SCHLEIEN, Brooklyn, N. Y. Filed May 26, 1938.

EMANUELE

For Olives.
Claims use since Nov. 18, 1937.

Ser. No. 407,368. ROYAL A. CUTLER, Spokane, Wash. Filed June 11, 1938.

Cutler's ROYAL-A

The name "Cutler's" is disclaimed apart from the mark.
For Fresh Vegetables.
Claims use since Oct. 10, 1937.

Ser. No. 409,366. CHAS. E. MEYER & CO., Freeport, Ill. Filed Aug. 8, 1938.

SMACK

Said corporation is the owner of trade-mark registration No. 269,516, dated April 8, 1930.
For Cider Vinegar.
Claims use since Mar. 27, 1933.

Ser. No. 409,782. W. B. RODDENBERY CO., Cairo, Ga. Filed Aug. 19, 1938.

HONEY SWEET



The representation of the child is fanciful. The words "Honey Sweet" are disclaimed apart from the mark.
For Table Syrup, Pickles, and Peanut Butter.
Claims use since June 5, 1926, on table syrup; since May 31, 1938, on pickles and peanut butter.

Ser. No. 409,861. SARA HALL AUSTIN, New York, N. Y. Filed Aug. 23, 1938.

CoVEG

For Table Beverage in the Nature of a Coffee Substitute.
Claims use since Sept. 23, 1930.

Ser. No. 409,896. RICHARD F. WARNER, New York, N. Y. Filed Aug. 23, 1938.

SEA-JOY

For Canned Fish and Canned Crab Meat.
Claims use since Aug. 17, 1938.

Ser. No. 410,142. KING KONE CORPORATION, New York, N. Y. Filed Aug. 31, 1938.

Mel-cheesE

The word "Cheese" is disclaimed apart from the mark.
For Crackers.
Claims use since Apr. 15, 1938.

Ser. No. 410,213. AMERICAN BREDDO CORPORATION, New York, N. Y. Filed Sept. 2, 1938.

Whytddo

ABC
AMERICAN BREDDO CORP.

For Prepared Wheat Flour.
Claims use since May, 1938.

Ser. No. 410,445. ANDERSON PRODUCTS CO., Britt, Iowa. Filed Sept. 12, 1938.

POP TREATS

For Puffed Rice, Wheat, and Corn.
Claims use since Aug. 1, 1938.

Ser. No. 410,593. LANCE PACKING COMPANY, Charlotte, N. C. Filed Sept. 15, 1938.

CHOC-O-LUNCH

The word "Lunch" is disclaimed except in association with other features of the mark.
For Peanut Butter Sandwiches.
Claims use since Oct. 4, 1935.

Ser. No. 410,651. GOLDEN STATE COMPANY, LTD., San Francisco, Calif. Filed Sept. 16, 1938.

ECONOBAKE

For Product Consisting of Modified Milk Solids for Bread Baking.
Claims use since Aug. 23, 1938.

Ser. No. 410,710. SOUTHERN DAIRIES, INC., Washington, D. C. Filed Sept. 17, 1938.

BANANAROON

For Ice Cream.
Claims use since Aug. 29, 1938.

Ser. No. 410,870. SANTIAGO DEVELOPMENT CORPORATION, New York, N. Y. Filed Sept. 22, 1938.

YIPPO

For Coffee Flavored Food Drink.
Claims use since Sept. 8, 1938.

Ser. No. 410,917. MIDSTATE HORTICULTURAL COMPANY, INC., Fresno, Calif. Filed Sept. 23, 1938.

Hortico

For Fresh Fruits—Namely, Fresh Grapes.
Claims use since Aug. 4, 1938.

Ser. No. 410,918. MIDSTATE HORTICULTURAL COMPANY, INC., Fresno, Calif. Filed Sept. 23, 1938.

MID-STATE

For Fresh Fruits—Namely, Fresh Grapes.
Claims use since Aug. 4, 1938.

Ser. No. 410,922. PRODUCERS CREAMERY COMPANY, Springfield, Mo. Filed Sept. 23, 1938.

Land O'Smiles

For Cream, Including Extra Heavy Sweet Cream.
Claims use since July 1, 1938.

Ser. No. 410,936. THE TITUS AND MARTIN COMPANY, Cincinnati, Ohio. Filed Sept. 23, 1938.



The drawing is lined for green and brown. No claim is made to the representation of the container per se or to the words "Rich Blend" except as shown.
For Coffee.
Claims use since Aug. 26, 1938.

Ser. No. 411,049. BU-MILK COMPANY, Hot Springs, Ark. Filed Sept. 28, 1938.

BU-MILK

No claim is made to the word "Milk" apart from the mark.
For Buttermilk.
Claims use since Sept. 2, 1938.

Ser. No. 411,118. DIXIE-PORTLAND FLOUR CO., doing business as Regina Flour Mills, Memphis, Tenn. Filed Sept. 30, 1938.



For Wheat Flour.
Claims use since 1921.

Ser. No. 411,328. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Filed Oct. 6, 1938.

COCKTAILETTES

For Biscuits.
Claims use since May 17, 1938.

CLASS 48

Malt Beverages and Liquors

Ser. No. 404,451. RENO BREWING COMPANY, INC., Reno, Nev. Filed Mar. 24, 1938.



No claim is made to the word "Sierra" apart from the mark.
For Malt Beverages with Not More Than the Legal Alcoholic Content—Namely, Beer.
Claims use since 1906.

Ser. No. 410,835. GAST BOTTLING CORP., St. Louis, Mo. Filed Sept. 21, 1938.



GOLDEN LAGER

The words "Golden Lager" are disclaimed apart from the mark.
For Beer.
Claims use since Feb. 1, 1938.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 409,548. KRAUS BROS. & CO. INC., New York, N. Y. Filed Aug. 12, 1938. Under 10-year proviso.

ZWACK

For Alcoholic Liqueurs, Bitters, and Brandies.
Claims use since 1890.

Ser. No. 410,065. BEAR CREEK VINEYARD ASSOCIATION, Lodi, Calif. Filed Aug. 29, 1938.

CEREMONY

For Brandy.
Claims use since July 30, 1938.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

NOVEMBER 29, 1938

362,665. SOLVENT FOR DUPLICATING MACHINES OF THE TYPE WHEREIN THE COPY SHEETS ARE MOISTENED WITH THE SOLVENT AND BROUGHT INTO CONTACT WITH DATA PRINTED OR TYPEWRITTEN ON MASTER SHEETS. DITTO, INCORPORATED, Chicago, Ill.

Filed July 12, 1935. Serial No. 367,186. PUBLISHED SEPTEMBER 13, 1938. Class 6.

362,666. MEN'S AND BOYS' HATS AND CAPS. BEE HAT & CAP CO., St. Louis, Mo.

Filed March 11, 1936. Serial No. 375,837. PUBLISHED SEPTEMBER 20, 1938. Class 39.

362,667. PUBLICATIONS INCLUDING SUBJECT-MATTER APPERTAINING TO AERONAUTICS PUBLISHED FROM TIME TO TIME. HARRY RICHMAN, Beechhurst, Long Island, N. Y.

Filed May 28, 1936. Serial No. 379,015. PUBLISHED AUGUST 11, 1936. Class 38.

362,668. RAILWAY HYDRANT WATER-SERVICING COLUMNS AND VALVES AND PARTS THEREFOR. THE AMERICAN VALVE & METER COMPANY, Cincinnati, Ohio, assignor to John T. McGarry, Cincinnati, Ohio.

Filed October 21, 1936. Serial No. 384,609. PUBLISHED DECEMBER 15, 1936. Class 13.

362,669. PEA SHELLERS, KITCHEN SHEARS, JAR OPENERS, EGG SLICERS, PIE AND CAKE SERVERS, PARING KNIVES, ETC. G. N. COUGHLAN CO., INC., Orange, N. J.

Filed December 8, 1936. Serial No. 386,483. PUBLISHED SEPTEMBER 20, 1938. Class 23.

362,670. LACQUER AND LIKE COATING COMPOSITIONS CONSISTING CHIEFLY OF CELLULOSE DERIVATIVES USED PARTICULARLY FOR THE COATING OF THE SURFACES OF METALLIC AND NON-METALLIC ARTICLES SUCH AS ARTICLES COMPOSED OF METALLIC ALLOYS, WOOD, GLASS, AND RUBBER. DETROIT MACOID CORPORATION, Detroit, Mich.

Filed March 15, 1937. Serial No. 390,053. PUBLISHED SEPTEMBER 20, 1938. Class 16.

362,671. PUBLICATION RELATING TO THE SOCIAL SECURITY ACT AND THE ADMINISTRATION THEREOF ISSUED FROM TIME TO TIME. TAX RESEARCH INSTITUTE OF AMERICA, INCORPORATED, New York, N. Y.

Filed April 12, 1937. Serial No. 391,249. PUBLISHED SEPTEMBER 13, 1938. Class 38.

362,672. ETHYL CELLULOSE. THE DOW CHEMICAL COMPANY, Midland, Mich.

Filed April 19, 1937. Serial No. 391,521. PUBLISHED SEPTEMBER 13, 1938. Class 6.

362,673. ELECTRIC CONTROL APPARATUS COMPRISING SWITCHES, TRANSFORMERS, ETC., IN A CASE FOR USE IN ELECTRICALLY CHARGING STOCK FENCING OR A FLY AND INSECT TRAP. DAR KARR, Los Angeles, Calif.

Filed April 27, 1937. Serial No. 391,915. PUBLISHED SEPTEMBER 20, 1938. Class 21.

362,674. COLUMN APPEARING IN A PERIODICAL AND FOR A PERIODICAL. JOHN DICKINSON BELL, doing business as Unveiling the Universe, Scranton, Pa., and New York, N. Y.

Filed May 25, 1937. Serial No. 393,247. PUBLISHED SEPTEMBER 13, 1938. Class 38.

362,675. BED SPRINGS AND MATTRESSES. GREENPOINT METALLIC BED COMPANY, INC., Brooklyn, N. Y.

Filed June 18, 1937. Serial No. 394,228. PUBLISHED NOVEMBER 2, 1937. Class 32.

362,676. OIL WELL CEMENT. UNIVERSAL ATLAS CEMENT CO., Chicago, Ill.

Filed June 23, 1937. Serial No. 394,440. PUBLISHED SEPTEMBER 20, 1938. Class 12.

362,677. LUMBER. PLUNKETT-WEBSTER LUMBER CO., INC., New Rochelle, N. Y.

Filed July 1, 1937. Serial No. 394,755. PUBLISHED SEPTEMBER 13, 1938. Class 12.

362,678. MINERAL LUBRICATING OILS AND MINERAL FUEL OILS FOR USE PRIMARILY IN DIESEL ENGINES. THE PURE OIL COMPANY, Chicago, Ill.

Filed July 8, 1937. Serial No. 395,000. PUBLISHED SEPTEMBER 13, 1938. Class 15.

362,679. LAXATIVE IN TABLET FORM. FORD HOPKINS COMPANY, also doing business as The Laxative Clinic, Chicago, Ill.

Filed July 19, 1937. Serial No. 395,413. PUBLISHED NOVEMBER 2, 1937. Class 6.

362,680. CIGARETTE CASES. SHIELDS, INC., Attleboro, Mass.

Filed August 21, 1937. Serial No. 396,652. PUBLISHED SEPTEMBER 20, 1938. Class 8.

362,681. SYNTHETIC DIETETIC FOODSTUFFS CONTAINING CARBO HYDRATES, PROTEINS, FATS, WATER, VITAMINS, AND HORMONES. N. V. ORGANON, Oss, Netherlands.

Filed September 13, 1937. Serial No. 397,375. PUBLISHED SEPTEMBER 20, 1938. Class 46.

362,682. SYNTHETIC DIETETIC FOODSTUFFS CONTAINING CARBO HYDRATES, PROTEINS, FATS, WATER, VITAMINS, AND HORMONES. N. V. ORGANON, Oss, Netherlands.

Filed September 21, 1937. Serial No. 397,562. PUBLISHED SEPTEMBER 20, 1938. Class 46.

362,683. THERMAL INSULATION. CAPITOL HOME INSULATION CO., Chicago, Ill.

Filed October 13, 1937. Serial No. 398,420. PUBLISHED SEPTEMBER 13, 1938. Class 12.

362,684. MUSICAL INSTRUMENTS OF THE XYLOPHONE TYPE. C. G. CONN, LTD., Elkhart, Ind.

Filed October 16, 1937. Serial No. 398,559. PUBLISHED SEPTEMBER 20, 1938. Class 36.

362,685. CHOCOLATES. MOIRS LIMITED, Halifax, Nova Scotia, Canada.

Filed November 1, 1937. Serial No. 399,194. PUBLISHED AUGUST 2, 1938. Class 46.

362,686. PRESSURE TANKS AND HOT WATER AND STEAM BOILERS FOR HEATING AND POWER PURPOSES. FARRAR & TREFTS, INCORPORATED, Buffalo, N. Y.

Filed November 19, 1937. Serial No. 390,923. PUBLISHED SEPTEMBER 20, 1938. Class 34.

362,687. PLAIN, PHOSPHATED, AND SELF-RISING WHEAT FLOUR. THE WOLF MILLING CO., Ellinwood, Kans.

Filed January 3, 1938. Serial No. 401,516. PUBLISHED SEPTEMBER 20, 1938. Class 46.

362,688. FINS FOR ATTACHMENT TO THE FEET FOR USE AS AIDS IN SWIMMING. JOSEF ZIMMER, Brooklyn, N. Y.

Filed January 15, 1938. Serial No. 401,955. PUBLISHED SEPTEMBER 20, 1938. Class 22.

362,689. NEWS COLUMN. FAIRCHILD PUBLICATIONS, CORP., also doing business as Fairchild News Service, New York, N. Y.

Filed January 17, 1938. Serial No. 401,996. PUBLISHED SEPTEMBER 20, 1938. Class 38.

362,690. MUSICAL INSTRUMENTS—NAMELY, VIOLINS, VIOLAS, CELLOS, STRING BASSES, GUITARS, MANDOLINS; AND STRING INSTRUMENT ACCESSORIES. PROGRESSIVE MUSICAL INSTRUMENT CORPORATION, New York, N. Y.

Filed January 24, 1938. Serial No. 402,277. PUBLISHED SEPTEMBER 20, 1938. Class 36.

362,691. ROTAMETERS. SCHUTTE & KOERTING COMPANY, Philadelphia, Pa.

Filed January 26, 1938. Serial No. 402,346. PUBLISHED SEPTEMBER 20, 1938. Class 26.

362,692. PREPARATION FOR THE TREATMENT AND RELIEF OF SKIN AFFECTIONS SUCH AS ECZEMA, REDUCTION OF SCAR TISSUE, ETC. WILLIAM C. HALE, Arlington, Tex.

Filed January 28, 1938. Serial No. 402,424. PUBLISHED SEPTEMBER 13, 1938. Class 6.

362,693. SOLDER. NORTHWEST LEAD COMPANY, Seattle, Wash.

Filed January 28, 1938. Serial No. 402,438. PUBLISHED SEPTEMBER 20, 1938. Class 14.

362,694. CHEMICAL CLEANERS FOR CLEANING WINDSHIELDS AND OTHER GLASS SURFACES ADAPTED PARTICULARLY FOR APPLICATION THEREON BY HAND, USING THE CONTAINER AS AN APPLICATOR. THE ANDERSON COMPANY, Gary, Ind.

Filed January 29, 1938. Serial No. 402,461. PUBLISHED SEPTEMBER 20, 1938. Class 4.

362,695. COLORED AND UNCOLORED AND GALVANIZED STAPLING WIRE EMPLOYED IN STITCHING PLAIN AND CORRUGATED FIBERBOARD CARTONS AND BOXES. ACME STEEL COMPANY, Chicago, Ill.

Filed January 31, 1938. Serial No. 402,500. PUBLISHED SEPTEMBER 20, 1938. Class 14.

362,696. STEEL STAPLING WIRE EMPLOYED IN STAPLING BOXES AND CRATES. ACME STEEL COMPANY, Chicago, Ill.

Filed January 31, 1938. Serial No. 402,501. PUBLISHED SEPTEMBER 20, 1938. Class 14.

362,697. WATCHES. BULARD WATCH CO. INC., New York, N. Y.

Filed February 9, 1938. Serial No. 402,841. PUBLISHED SEPTEMBER 20, 1938. Class 27.

362,698. FRESH TOMATO AND CELERY. CLARENCE NISHIZU, Buena Park, Calif.

Filed February 11, 1938. Serial No. 402,948. PUBLISHED SEPTEMBER 20, 1938. Class 46.

362,699. HAIR CLIPPERS AND ELECTRIC SHAVERS KNAPP ELECTRIC SHAVER, INC., Long Island City, N. Y., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri.

Filed February 21, 1938. Serial No. 403,264. PUBLISHED SEPTEMBER 20, 1938. Class 23.

362,700. TYPEWRITER, WRITING, MASTER COPY, COPY PAPER, AND ENVELOPES. STANDARD MAILING MACHINES COMPANY, Everett, Mass.

Filed February 21, 1938. Serial No. 403,285. PUBLISHED SEPTEMBER 20, 1938. Class 37.

362,701. MEDICATED OINTMENT TO BE USED FOR ECZEMA, ULCERS, BURNS, CUTS, BRUISES, PILES, SORE CORNS, SALT RHEUM, FEVER BLISTERS, PIMPLES, BOILS, CHAPPED HANDS, RINGWORM, ATHLETE'S FOOT, CHAFENESS, SUMAC AND IVY POISONS, SUNBURNS, SCALY, BURNING, OR ITCHING SCALP. FRANK HUBERT EKMAN, Westerly, R. I.

Filed February 25, 1938. Serial No. 403,487. PUBLISHED SEPTEMBER 13, 1938. Class 6.

362,702. LUBRICATION OILS, CUP GREASE, TRANSMISSION GREASE, DIFFERENTIAL GREASE. COSDEN PETROLEUM CORPORATION, Fort Worth, Tex.

Filed March 3, 1938. Serial No. 403,641. PUBLISHED SEPTEMBER 13, 1938. Class 15.

362,703. GASOLINE, BENZINE, KEROSENE, AND MOTOR FUEL OIL. COSDEN PETROLEUM CORPORATION, Forth Worth, Tex.

Filed March 3, 1938. Serial No. 403,642. PUBLISHED SEPTEMBER 13, 1938. Class 15.

362,704. GASOLINE, BENZINE, KEROSENE, AND MOTOR FUEL OIL. COSDEN PETROLEUM CORPORATION, Fort Worth, Tex.

Filed March 3, 1938. Serial No. 403,643. PUBLISHED SEPTEMBER 13, 1938. Class 15.

362,705. BAKED BEANS. JOSEPH BATTEN, doing business as Angelica Foods, Caldwell, N. J.

Filed March 10, 1938. Serial No. 403,900. PUBLISHED SEPTEMBER 20, 1938. Class 46.

362,706. BOOKS AS A SERIES AND PICTURE CARDS. ROW, PETERSON & COMPANY, Evanston, Ill.

Filed March 14, 1938. Serial No. 404,057. PUBLISHED SEPTEMBER 20, 1938. Class 38.

362,707. ANTHELMINTHIC MEDICINES AND PHARMACEUTICAL PREPARATIONS FOR THE TREATMENT OF OXYURIASIS AND ASCARIDIASIS. OXYASKARIN G. M. B. H., Halle, Germany.

Filed March 19, 1938. Serial No. 404,202. PUBLISHED SEPTEMBER 13, 1938. Class 6.

362,708. BATTERY COMPOUNDS FOR REJUVENATING BATTERIES. E. L. WILSON, doing business as Nu-Way Battery Service Company, Jamaica, N. Y.

Filed March 21, 1938. Serial No. 404,339. PUBLISHED SEPTEMBER 13, 1938. Class 6.

362,709. INSULATING BOARD. VIRGINIA RUBATEX CORPORATION, Bedford, Va.

Filed March 22, 1938. Serial No. 404,389. PUBLISHED SEPTEMBER 20, 1938. Class 12.

362,710. ASPHALT, ASPHALT EMULSIONS, ASPHALT COMPOSITIONS. AMERICAN BITUMULS COMPANY, Wilmington, Del., and San Francisco, Calif.

Filed March 28, 1938. Serial No. 404,558. PUBLISHED SEPTEMBER 20, 1938. Class 12.

362,711. BLEACH, DISINFECTANT, GERMICIDE, DEODORANT, WATER SOFTENER, STAIN REMOVER, AND CLEANSER. ANDREW MANCUSO, Kansas City, Mo.

Filed March 25, 1938. Serial No. 404,589. PUBLISHED SEPTEMBER 13, 1938. Class 6.

362,712. INTERNAL COMBUSTION ENGINES AND STRUCTURAL PARTS THEREOF. THE CUSHMAN MOTOR WORKS, Lincoln, Nebr.

Filed March 31, 1938. Serial No. 404,692. PUBLISHED SEPTEMBER 20, 1938. Class 23.

362,713. MECHANICAL EDUCATIONAL DEVICE FOR DEMONSTRATING THE HARMONIC RELATIONSHIPS IN MUSIC. JAMES H. GRAVELL, Ambler, Pa.

Filed April 1, 1938. Serial No. 404,757. PUBLISHED SEPTEMBER 20, 1938. Class 26.

362,714. FEMALE SEX HORMONE PREPARATION INDICATED IN TREATING ENDOCRINE DEFICIENCIES. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland.

Filed April 5, 1938. Serial No. 404,912. PUBLISHED SEPTEMBER 13, 1938. Class 6.

362,715. FEMALE SEX HORMONE PREPARATION INDICATED IN TREATING ENDOCRINE DEFICIENCIES. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, *Basel*, Switzerland.

Filed April 5, 1938. Serial No. 404,913. PUBLISHED SEPTEMBER 13, 1938. Class 6.

362,716. FEMALE SEX HORMONE PREPARATION INDICATED IN TREATING ENDOCRINE DEFICIENCIES. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland.

Filed April 5, 1938. Serial No. 404,914. PUBLISHED SEPTEMBER 13, 1938. Class 6.

362,717. FEMALE SEX HORMONE PREPARATION INDICATED IN TREATING ENDOCRINE DEFICIENCIES. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland.
Filed April 5, 1938. Serial No. 404,915. PUBLISHED SEPTEMBER 13, 1938. Class 6.

362,718. FEMALE SEX HORMONE PREPARATION INDICATED IN TREATING ENDOCRINE DEFICIENCIES. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland.
Filed April 5, 1938. Serial No. 404,918. PUBLISHED SEPTEMBER 13, 1938. Class 6.

362,719. HAIR AND SCALP CONDITIONER, FACE POWDER, LIP ROUGE, LIQUID POWDER, CLAY PACK, SWEAT CREAM, POWDER BASE, SOAPLESS SHAMPOO, TISSUE BUILDER, ETC. HELEN C. CARTER, Los Angeles, Calif.
Filed April 9, 1938. Serial No. 405,058. PUBLISHED JULY 12, 1938. Class 6.

362,720. ELECTRO-MAGNETIC-VIBRATOR FOR THE SPECIFIC USE AS A THERAPEUTIC AGENCY TO APPLY TO THE BODY TO EASE PAIN, RELAX THE MUSCLES AND STIMULATE THE CIRCULATION THEREBY PHYSICALLY AIDING NATURE. ROSS A. BELL, Oklahoma City, Okla.
Filed April 13, 1938. Serial No. 405,190. PUBLISHED SEPTEMBER 20, 1938. Class 44.

362,721. BEDROOM SUITES, DINING ROOM SUITES, LIVING ROOM SUITES, DESKS, SECRETARIES, TABLES, CHAIRS, SOFAS, OTTOMANS, BOOKCASES, CABINETS, CHESTS, AND PLANT STANDS. LANDSTROM FURNITURE CORPORATION, Rockford, Ill.
Filed April 14, 1938. Serial No. 405,259. PUBLISHED SEPTEMBER 13, 1938. Class 32.

362,722. SKIS. J. L. PARSONS & SONS, Bloomingdale, N. Y.
Filed April 15, 1938. Serial No. 405,315. PUBLISHED SEPTEMBER 20, 1938. Class 22.

362,723. MOUTH PIECES FOR THE PREVENTION OF SNORING. AMERICAN PRODUCTS CO., San Francisco, Calif.
Filed April 22, 1938. Serial No. 405,584. PUBLISHED SEPTEMBER 20, 1938. Class 44.

362,724. SHOES AND SLIPPERS MADE OF LEATHER, RUBBER, OR FABRIC, OR OF VARIOUS COMBINATIONS THEREOF. SALVADOR CUETARA, Boston Mass.
Filed April 27, 1938. Serial No. 405,765. PUBLISHED SEPTEMBER 20, 1938. Class 39.

362,725. MODIFIED DRIED WHEY FOR ANIMAL CONSUMPTION, AND ESPECIALLY FOR FEEDING PIGS. WESTERN CONDENSING COMPANY, San Francisco, Calif.
Filed April 27, 1938. Serial No. 405,790. PUBLISHED SEPTEMBER 20, 1938. Class 46.

362,726. PERIODICAL PUBLICATION. SAMUEL A. SPELLMAN, doing business as Coast Enterprises, Los Angeles, Calif.
Filed May 2, 1938. Serial No. 405,940. PUBLISHED SEPTEMBER 13, 1938. Class 38.

362,727. STAND FOR PERFUME CONTAINERS. CARDINAL PARFUMS, INCORPORATED, New York, N. Y.
Filed May 3, 1938. Serial No. 405,953. PUBLISHED SEPTEMBER 13, 1938. Class 32.

362,728. TRACTOR TYPE, GENERAL WELL SERVICING UNITS WITH VARIOUS ASSEMBLIES FOR CLEAN OUT DEEPENING, OR DRILLING IN WITH CABLE TOOLS AND FOR ROTARY AND CORE DRILLING OPERATIONS. THE ALLSTEEL PRODUCTS MANUFACTURING COMPANY, Wichita, Kans.
Filed May 4, 1938. Serial No. 405,977. PUBLISHED SEPTEMBER 20, 1938. Class 23.

362,729. FORCED DRAFT DARKROOM VENTILATORS. EASTMAN KODAK COMPANY, Jersey City, N. J. and Rochester, N. Y.
Filed May 13, 1938. Serial No. 406,285. PUBLISHED SEPTEMBER 20, 1938. Class 34.

362,730. RESIN BONDED PLYWOOD. WHEELER OSGOOD SALES CORPORATION, Tacoma, Wash.
Filed May 13, 1938. Serial No. 406,316. PUBLISHED SEPTEMBER 20, 1938. Class 12.

362,731. FRESH CITRUS FRUIT. MESA CITRUS GROWERS, Mesa, Ariz.
Filed May 21, 1938. Serial No. 406,594. PUBLISHED SEPTEMBER 20, 1938. Class 46.

362,732. LUBRICATING OILS. THE J. R. WATKINS COMPANY, Winona, Minn.
Filed May 21, 1938. Serial No. 406,613. PUBLISHED SEPTEMBER 13, 1938. Class 15.

362,733. POWDERED VEGETABLE PROTEIN COMPOUND SOLD FOR USE AS A WHIPPING OR LEAVENING AGENT IN BAKERY AND CONFECTIONERY PRODUCTS AND THE LIKE. THE GLIDDEN COMPANY, Cleveland, Ohio.
Filed May 23, 1938. Serial No. 406,640. PUBLISHED SEPTEMBER 20, 1938. Class 46.

362,734. WEEKLY PUBLICATION DEVOTED TO ARTICLES OF GENERAL RADIO INTEREST. JOSEPH J. FISKE, New York, N. Y.
Filed May 25, 1938. Serial No. 406,719. PUBLISHED SEPTEMBER 13, 1938. Class 38.

362,735. DIAMOND POINTED TOOLS EMPLOYED IN HARDNESS TESTING MACHINES. J. K. SMIT & SONS OF MICHIGAN, INC., Detroit, Mich.
Filed May 26, 1938. Serial No. 406,783. PUBLISHED SEPTEMBER 20, 1938. Class 26.

362,736. PREPARATION USED FOR INDIGESTION AND AS AN ANTI-ACID. D. H. MEYERS, New York, N. Y.
Filed May 28, 1938. Serial No. 406,871. PUBLISHED SEPTEMBER 13, 1938. Class 6.

362,737. HOUSEHOLD FURNITURE—NAMELY, DINING ROOM FURNITURE, BEDROOM FURNITURE, LIVING ROOM FURNITURE, OCCASIONAL CHAIRS AND TABLES. IMPERIAL FURNITURE COMPANY, Gran Rapids, Mich.
Filed June 1, 1938. Serial No. 406,977. PUBLISHED SEPTEMBER 13, 1938. Class 32.

362,738. ORNAMENTAL JEWELRY NOT INCLUDING WATCHES. HARRY ISKIN, Philadelphia, Pa.
Filed June 1, 1938. Serial No. 406,979. PUBLISHED SEPTEMBER 13, 1938. Class 28.

362,739. SPECIALLY CONSTRUCTED ELECTRIC CORD WITH SPECIAL OUTLETS, PARTICULARLY ADAPTED FOR USE WITH ELECTRIC LIGHTING FIXTURES USED IN BANDS AND ORCHESTRAS. H. & A. SELMER, INCORPORATED, Elkhart, Ind.
Filed June 1, 1938. Serial No. 406,990. PUBLISHED SEPTEMBER 20, 1938. Class 21.

362,740. LUBRICATING OILS AND GREASES. SUN OIL COMPANY, Philadelphia, Pa.
Filed June 3, 1938. Serial No. 407,074. PUBLISHED SEPTEMBER 20, 1938. Class 15.

362,741. NATURAL AND SYNTHETIC ESSENTIAL OILS SUITABLE FOR PERFUMERY PURPOSES, ASTRINGENTS, ETC. FIRMENICH & CO., INC., New York, N. Y.
Filed June 4, 1938. Serial No. 407,095. PUBLISHED SEPTEMBER 13, 1938. Class 6.

362,742. INFANTS' BATH STANDS. TRIMBLE NURSERY-LAND FURNITURE, INC., Rochester, N. Y.
Filed June 6, 1938. Serial No. 407,165. PUBLISHED SEPTEMBER 20, 1938. Class 32.

362,743. PORTLAND CEMENT. UNIVERAL ATLAS CEMENT COMPANY, Chicago, Ill.
Filed June 6, 1938. Serial No. 407,167. PUBLISHED SEPTEMBER 13, 1938. Class 12.

362,744. PERIODICAL PUBLICATION. THE REGENTS OF THE UNIVERSITY OF MICHIGAN, Ann Arbor, Mich.
Filed June 7, 1938. Serial No. 407,198. PUBLISHED SEPTEMBER 20, 1938. Class 38.

362,745. AUTOMATIC LATHES AND SCREW MACHINES. CONE AUTOMATIC MACHINE COMPANY INC., Windsor, Vt.
Filed June 10, 1938. Serial No. 407,305. PUBLISHED SEPTEMBER 20, 1938. Class 23.

362,746. MEDICINAL TABLETS, LIQUIDS, POWDERS, CAPSULES, CONES, AND WAFERS—NAMELY, LAXATIVE HERB TABLETS, LAXATIVE COMPOUND, ETC. GENERAL PRODUCTS LABORATORIES, also doing business as Mo-Tee-Na Laboratories, Columbus, Ohio.
Filed June 11, 1938. Serial No. 407,372. PUBLISHED SEPTEMBER 13, 1938. Class 6.

362,747. WOMEN'S AND MISSES' HATS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed June 11, 1938. Serial No. 407,382. PUBLISHED SEPTEMBER 20, 1938. Class 39.

362,748. SLIDE FASTENERS. CHARLES CLYDE CORPORATION, Jersey City, N. J.
Filed June 13, 1938. Serial No. 407,424. PUBLISHED SEPTEMBER 20, 1938. Class 13.

362,749. WINES. BOUCHARD AINÉ & FILS, Beaune, France.
Filed June 16, 1938. Serial No. 407,523. PUBLISHED SEPTEMBER 20, 1938. Class 47.

362,750. WINES. BOUCHARD AINÉ & FILS, Beaune, France.
Filed June 16, 1938. Serial No. 407,524. PUBLISHED SEPTEMBER 20, 1938. Class 47.

362,751. WINES. BOUCHARD AINÉ & FILS, Beaune, France.
Filed June 16, 1938. Serial No. 407,525. PUBLISHED SEPTEMBER 20, 1938. Class 47.

362,752. WINES. BOUCHARD AINÉ & FILS, Beaune, France.
Filed June 16, 1938. Serial No. 407,526. PUBLISHED SEPTEMBER 20, 1938. Class 47.

362,753. WINES. BOUCHARD AINÉ & FILS, Beaune, France.
Filed June 16, 1938. Serial No. 407,527. PUBLISHED SEPTEMBER 20, 1938. Class 47.

362,754. LIQUEURS. CHARTREUSE CORPORATION, New York, N. Y.
Filed June 16, 1938. Serial No. 407,530. PUBLISHED SEPTEMBER 6, 1938. Class 49.

362,755. PERIODICAL. HONOLULU STAR-BULLETIN, LTD., Honolulu, Territory of Hawaii.
Filed June 16, 1938. Serial No. 407,548. PUBLISHED SEPTEMBER 20, 1938. Class 38.

362,756. SHEETS OF OPTICALLY ANISOTROPIC PLASTICS, RESINS, OR GUMS, AND MORE SPECIFICALLY FRACTIONAL WAVE RETARDATION SHEETS OF THE SAID MATERIALS. SHEET POLARIZER COMPANY, INC., Union City, N. J., assignor to Polaroid Corporation, Dover, Del.
Filed June 17, 1938. Serial No. 407,608. PUBLISHED SEPTEMBER 20, 1938. Class 26.

362,757. FINISHED AND SUBSTANTIALLY FINISHED ROLLS, ROLL COVERS, COTS, AND TUBING FOR TEXTILE MILL USAGE. ARMSTRONG CORK PRODUCTS COMPANY, Lancaster, Pa.
Filed June 20, 1938. Serial No. 407,654. PUBLISHED SEPTEMBER 20, 1938. Class 23.

362,758. WRAPPING PAPER. CROWN ZELLERBACH CORPORATION, doing business as Crown Willamette Paper Company, San Francisco, Calif.
Filed June 21, 1938. Serial No. 407,718. PUBLISHED SEPTEMBER 20, 1938. Class 37.

362,759. WHEAT FLOUR. THE MENNEL MILLING COMPANY, Toledo, Ohio, doing business as Waterside Milling Company, Fostoria, Ohio.
Filed June 22, 1938. Serial No. 407,761. PUBLISHED SEPTEMBER 20, 1938. Class 46.

362,760. ICE-CREAM FREEZERS. H. D. CONKEY & COMPANY, Mendota, Ill.
Filed June 22, 1938. Serial No. 407,748. PUBLISHED SEPTEMBER 13, 1938. Class 31.

362,761. LENS GRINDING AND POLISHING COMPOUNDS. AMERICAN OPTICAL COMPANY, Southbridge, Mass.
Filed June 23, 1938. Serial No. 407,786. PUBLISHED SEPTEMBER 20, 1938. Class 4.

362,762. BRAND OF EFFERVESCENT ALKALIZING TABLETS WITH VITAMINS. CHEMICALS AND PHARMACEUTICALS, INC., Bloomfield, N. J.
Filed June 23, 1938. Serial No. 407,796. PUBLISHED SEPTEMBER 13, 1938. Class 6.

362,763. EVAPORATIVE COOLER AND HUMIDIFIER FOR COOLING RESIDENCES AND OTHER BUILDINGS IN SUMMER AND FOR USE AS AN AUXILIARY TO THE HEATING SYSTEM IN WINTER BY PRODUCING A FORCED DRAFT AND ADDING HUMIDITY TO THE AIR. KATHARINE M. FISHER, doing business as Ellis G. Fisher Company, Phoenix, Ariz.
Filed June 23, 1938. Serial No. 407,804. PUBLISHED SEPTEMBER 20, 1938. Class 34.

362,764. PREPARATIONS INDICATED IN THE TREATMENT OF CERTAIN GASTROINTESTINAL DISORDERS IN SMALL ANIMALS. PROFESSIONAL LABORATORIES, INC., New York, N. Y., and Bloomfield, N. J.
Filed June 23, 1938. Serial No. 407,815. PUBLISHED SEPTEMBER 13, 1938. Class 6.

362,765. PREPARATION FOR THE PREVENTION AND RELIEF OF NAUSEA DUE TO SEASICKNESS AND OTHER CAUSES. EDWIN B. OODEN, doing business as Voybon Company, Natchez, Miss.
Filed June 24, 1938. Serial No. 407,882. PUBLISHED SEPTEMBER 13, 1938. Class 6.

362,766. DEPILATORY. UNION PHARMACEUTICAL CO., INC., Bloomfield, N. J., assignor to Inra Cosmetics, Inc., Jersey City, N. J., a corporation of New Jersey.
Filed June 24, 1938. Serial No. 407,890. PUBLISHED SEPTEMBER 13, 1938. Class 6.

362,767. CANDY. PAUL F. BEICH COMPANY, Bloomington and Chicago, Ill.
Filed June 27, 1938. Serial No. 407,936. PUBLISHED SEPTEMBER 20, 1938. Class 46.

362,768. CANDY. PAUL F. BEICH COMPANY, Bloomington and Chicago, Ill.
Filed June 27, 1938. Serial No. 407,937. PUBLISHED SEPTEMBER 20, 1938. Class 46.

362,769. MAGAZINE. BUSINESS SCREEN MAGAZINES, INC., Chicago, Ill.
Filed June 27, 1938. Serial No. 407,939. PUBLISHED SEPTEMBER 20, 1938. Class 38.

362,770. POCKET KNIVES OF NON-PRECIOUS METAL. HICKOK MANUFACTURING COMPANY, INC., Rochester, N. Y.
Filed June 28, 1938. Serial No. 407,987. PUBLISHED SEPTEMBER 20, 1938. Class 23.

362,771. HOSIERY, FABRIC GLOVES, UNDERWEAR FOR WOMEN, OUTER SKIRTS, AND BLOUSES FOR WOMEN. J. BLACH & SONS, INC., Birmingham, Ala.
Filed June 29, 1938. Serial No. 408,004. PUBLISHED SEPTEMBER 20, 1938. Class 39.

362,772. TRANSPARENT WATERPROOFING FOR ALL TYPES OF CONCRETE WORK, BRICK, AND STUCCO. FORMOIL COMPANY, Minneapolis, Minn.
Filed June 30, 1938. Serial No. 408,055. PUBLISHED SEPTEMBER 20, 1938. Class 12.

362,773. CHIMES. NATIONAL BROADCASTING COMPANY, INC., New York, N. Y.
Filed July 1, 1938. Serial No. 408,121. PUBLISHED SEPTEMBER 20, 1938. Class 36.

362,774. PREPARATION FOR THE RELIEF OF CONSTIPATION AND FOR INTESTINAL DISTURBANCES DUE TO LACK OF VITAMIN B. C. E. JAMIESON & COMPANY, Detroit, Mich.
Filed July 5, 1938. Serial No. 408,192. PUBLISHED SEPTEMBER 13, 1938. Class 6.

362,775. INSECTICIDES, FUNGICIDES, AND DISINFECTANTS. RÖHM & HAAS COMPANY, Philadelphia, Pa.
Filed July 2, 1938. Serial No. 408,167. PUBLISHED SEPTEMBER 13, 1938. Class 6.

362,776. CINEMATOGRAPH FILMS WITH OR WITHOUT SOUND TRACKS, BEING TRANSPARENCIES FOR EXHIBITION. "THE MAYFLOWER" PICTURES CORPORATION LIMITED, London, England.
Filed July 5, 1938. Serial No. 408,194. PUBLISHED SEPTEMBER 20, 1938. Class 26.

362,777. ALKALINE ANTACID POWDER FOR THE RELIEF OF STOMACH DISTRESS DUE TO EXCESSIVE GASTRIC ACIDITY, HEARTBURN, SOUR STOMACH, FLATULENCE, AND ACID DYSPEPSIA. FORD HOPKINS COMPANY, doing business as Bismor Company, Chicago, Ill.
Filed July 5, 1938. Serial No. 408,224. PUBLISHED SEPTEMBER 13, 1938. Class 6.

362,778. SURGICAL NEEDLES, SURGICAL SUTURES, AND SURGICAL SYRINGES. S. & R. J. EVERETT & COMPANY LIMITED, Thornton Heath, England.
Filed July 9, 1938. Serial No. 408,343. PUBLISHED SEPTEMBER 20, 1938. Class 44.

362,779. SOAP. ELIZABETH GOULD, Brooklyn, N. Y.
Filed July 9, 1938. Serial No. 408,345. PUBLISHED SEPTEMBER 20, 1938. Class 4.

362,780. CIGARS. H. FENDRICH, INCORPORATED, Evansville, Ind.
Filed July 11, 1938. Serial No. 408,378. PUBLISHED SEPTEMBER 20, 1938. Class 17.

362,781. CIGARS. H. FENDRICH, INCORPORATED, Evansville, Ind.
Filed July 11, 1938. Serial No. 408,379. PUBLISHED SEPTEMBER 20, 1938. Class 17.

362,782. COMPOSITION OF MATTER FOR ADMIXTURE WITH METAL SHAVINGS, WASTE, AND THE LIKE FOR ELIMINATING DROSS INCIDENT TO SMELTING AND PURIFICATION OF SUCH WASTE METALS OR SHAVINGS. THE HILL & GRIFFITH CO., Cincinnati, Ohio.
Filed July 12, 1938. Serial No. 408,423. PUBLISHED SEPTEMBER 20, 1938. Class 50.

362,783. NEWSPAPER CARTOONS. KING FEATURES SYNDICATE, INC., New York, N. Y.
Filed July 13, 1938. Serial No. 408,466. PUBLISHED SEPTEMBER 13, 1938. Class 38.

362,784. LADIES', MEN'S, AND BOYS' SHOES, MADE OF LEATHER, RUBBER, FABRIC, OR VARIOUS COMBINATIONS OF SUCH MATERIALS. A. E. NETTLETON COMPANY, Syracuse, N. Y.
Filed July 13, 1938. Serial No. 408,471. PUBLISHED SEPTEMBER 20, 1938. Class 39.

362,785. NEWSPAPER COLUMN. THE BUFFALO TIMES COMPANY, INC., Buffalo, N. Y.
Filed July 9, 1938. Serial No. 408,483. PUBLISHED SEPTEMBER 20, 1938. Class 38.

362,786. NEWSPAPER COLUMN. THE BUFFALO TIMES COMPANY, INC., Buffalo, N. Y.
Filed July 9, 1938. Serial No. 408,484. PUBLISHED SEPTEMBER 20, 1938. Class 38.

362,787. PHOTOGRAPHIC CAMERAS. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y.
Filed July 14, 1938. Serial No. 408,497. PUBLISHED SEPTEMBER 20, 1938. Class 26.

362,788. DECALCOMANIA. CONSOLIDATED DECALCOMANIA CORPORATION, Jamaica, N. Y.
Filed July 15, 1938. Serial No. 408,533. PUBLISHED SEPTEMBER 20, 1938. Class 38.

362,789. SWEAT BANDS MADE OF LEATHER FOR HATS. DRUEDING BROTHERS COMPANY, Philadelphia, Pa.
Filed July 16, 1938. Serial No. 408,565. PUBLISHED SEPTEMBER 20, 1938. Class 39.

362,790. NON-FERROUS METAL CASTINGS. MADISON-KIPP CORPORATION, Madison, Wis.
Filed July 18, 1938. Serial No. 408,613. PUBLISHED SEPTEMBER 20, 1938. Class 14.

362,791. TOILET TISSUE, PAPER NAPKINS, AND PAPER TOWELS. CONSOLIDATED PAPER MANUFACTURING CO., Los Angeles, Calif.
Filed July 18, 1938. Serial No. 408,617. PUBLISHED SEPTEMBER 20, 1938. Class 37.

362,792. CHAIRS, TABLES, SETTEES, VANITIES, DRESSERS, DRESSING TABLES, CABINETS, STOOLS, OTTOMANS, COSTUMERS. W. G. SHELTON COMPANY, St. Louis, Mo.
Filed July 18, 1938. Serial No. 408,624. PUBLISHED SEPTEMBER 13, 1938. Class 32.

362,793. TOILET TISSUE, PAPER NAPKINS, AND PAPER TOWELS. UNITED STATES PAPER COMPANY, Los Angeles, Calif.
Filed July 18, 1938. Serial No. 408,627. PUBLISHED SEPTEMBER 20, 1938. Class 37.

362,794. PREPARATION FOR PRODUCING A LUSTRE UPON FINISHED SURFACES. THE AUTOGROOM COMPANY, New York, N. Y.
Filed July 19, 1938. Serial No. 408,632. PUBLISHED SEPTEMBER 20, 1938. Class 16.

362,795. DIESEL GAS OIL. THE TEXAS COMPANY, New York, N. Y.
Filed July 19, 1938. Serial No. 408,666. PUBLISHED SEPTEMBER 13, 1938. Class 15.

362,796. INSECT SPRAY, INSECT DUST, A PREPARATION USED IN THE TREATMENT OF COUGHS AND COLDS, MILK OF MAGNESIA, RUBBING ALCOHOL COMPOUND, ANTISEPTIC, WINE OF COD LIVER OIL EXTRACT, COD-TUSSAL, ANT POISON. LOUISIANA DRUG CO. INC., Opelousas, La.
Filed July 19, 1938. Serial No. 408,651. PUBLISHED SEPTEMBER 13, 1938. Class 6.

362,797. AUTOMOBILE TIRES AND TUBES. TRUTRED, INC., Los Angeles, Calif.
Filed July 19, 1938. Serial No. 408,667. PUBLISHED SEPTEMBER 13, 1938. Class 35.

362,798. BOOTS, SHOES, AND SLIPPERS OF LEATHER, FABRIC, OR COMBINATIONS THEREOF. GENERAL SHOE CORPORATION, Nashville, Tenn.
Filed July 20, 1938. Serial No. 408,699. PUBLISHED SEPTEMBER 20, 1938. Class 39.

362,799. LABORATORY AND INDUSTRIAL FILTER PAPERS. CARL SCHLEICHER & SCHÜLL CO., INC., New York, N. Y.
Filed July 21, 1938. Serial No. 408,765. PUBLISHED SEPTEMBER 13, 1938. Class 31.

362,800. BRICKS OR REFRACTORY SHAPES, PARTICULARLY A SPECIALLY PROCESSED SUPER-DUTY FIRE CLAY BRICK. GENERAL REFRACTORIES COMPANY, Philadelphia, Pa.
Filed July 22, 1938. Serial No. 408,790. PUBLISHED SEPTEMBER 13, 1938. Class 12.

362,801. REFRACTORY PRODUCTS, PARTICULARLY PACKAGES OF KAOLIN BASE MORTAR. GENERAL REFRACTORIES COMPANY, Philadelphia, Pa.
Filed July 22, 1938. Serial No. 408,791. PUBLISHED SEPTEMBER 13, 1938. Class 12.

362,802. BRICKS OR REFRACTORY SHAPES PARTICULARLY SUPER-DUTY FIRE CLAY BRICKS. GENERAL REFRACTORIES COMPANY, Philadelphia, Pa.
Filed July 22, 1938. Serial No. 408,795. PUBLISHED SEPTEMBER 13, 1938. Class 12.

362,803. REFRACTORY PRODUCTS PARTICULARLY KAOLIN BASE BONDING MORTAR. GENERAL REFRACTORIES COMPANY, Philadelphia, Pa.
Filed July 22, 1938. Serial No. 408,796. PUBLISHED SEPTEMBER 13, 1938. Class 12.

362,804. PERIODICAL. REAL ADVENTURES PUBLISHING CO., INC., New York, N. Y.
Filed July 22, 1938. Serial No. 408,809. PUBLISHED SEPTEMBER 20, 1938. Class 38.

362,805. APPARATUS FOR TREATING AND CONDITIONING MOLDING SAND AND OTHER GRANULAR MATERIAL. THE BEARDSLEY & PIPER COMPANY, Chicago, Ill.
Filed July 23, 1938. Serial No. 408,827. PUBLISHED SEPTEMBER 20, 1938. Class 23.

362,806. OIL FILTERS. THE WESTERN BATTERY & SUPPLY CO., INC., Kansas City, Mo.
Filed July 25, 1938. Serial No. 408,910. PUBLISHED SEPTEMBER 13, 1938. Class 31.

362,807. FROZEN CONFECTIONS. JOE LOWE CORPORATION, New York, N. Y.
Filed July 26, 1938. Serial No. 408,926. PUBLISHED SEPTEMBER 20, 1938. Class 46.

362,808. PLYWOOD. DOUGLAS FIR PLYWOOD ASSOCIATION, Tacoma, Wash.
Filed July 27, 1938. Serial No. 408,944. PUBLISHED SEPTEMBER 13, 1938. Class 12.

362,809. FRESH GRAPES. ORLANDO E. FARINA, doing business as M. Farina & Sons, San Francisco, Calif.
Filed July 27, 1938. Serial No. 408,945. PUBLISHED SEPTEMBER 20, 1938. Class 46.

362,810. CANDY. SWEET CANDY COMPANY, Salt Lake City, Utah.
Filed July 27, 1938. Serial No. 408,973. PUBLISHED SEPTEMBER 20, 1938. Class 46.

362,811. PRINTED NEWS BULLETIN PUBLISHED AT IRREGULAR INTERVALS. COMMERCE CLEARING HOUSE, INC., Chicago, Ill.
Filed July 26, 1938. Serial No. 408,981. PUBLISHED SEPTEMBER 20, 1938. Class 38.

362,812. SOUND ABSORBING PADS PARTICULARLY ADAPTABLE FOR DUCT LINING. THE CELOTEX CORPORATION, Chicago, Ill.
Filed July 28, 1938. Serial No. 408,989. PUBLISHED SEPTEMBER 13, 1938. Class 12.

362,813. WHISKEY. LEM MOTLOW, Lynchburg, Tenn.
Filed July 30, 1938. Serial No. 409,101. PUBLISHED SEPTEMBER 13, 1938. Class 49.

362,814. SUPRARENAL CORTICAL HORMONE. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland.
Filed July 30, 1938. Serial No. 409,111. PUBLISHED SEPTEMBER 13, 1938. Class 6.

362,815. ANTISEPTIC OINTMENT. KARL T. STEIK, doing business as Livon Laboratories, Upper Montclair, N. J.
Filed July 30, 1938. Serial No. 409,114. PUBLISHED SEPTEMBER 13, 1938. Class 6.

362,816. BRACELETS, RINGS, BROOCHES, BAR PINS, NECKLACES, EARRINGS, AND PENDANTS. L. BAMBERGER & CO., Newark, N. J.
Filed August 2, 1938. Serial No. 409,148. PUBLISHED SEPTEMBER 20, 1938. Class 28.

362,817. GAMES PLAYED WITH BLOCKS. CHRISTOPHER W. BAUER, Brooklyn, N. Y.
Filed August 2, 1938. Serial No. 409,150. PUBLISHED SEPTEMBER 13, 1938. Class 22.

362,818. DENTAL CREAM. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J.
Filed August 2, 1938. Serial No. 409,158. PUBLISHED SEPTEMBER 13, 1938. Class 6.

362,819. TABLE GAME SIMILAR TO TABLE TENNIS EXCEPT THAT SMALL DISKS ARE SNAPPED BACK AND FORTH OVER A NET WITH PADDLE SHAPED PIECES. O. SCHOENHUT INC., Philadelphia, Pa.
Filed August 2, 1938. Serial No. 409,175. PUBLISHED SEPTEMBER 20, 1938. Class 22.

362,820. WHISKIES. CUMMINS DISTILLERIES CORPORATION, Louisville and Athertonville, Ky.
Filed August 3, 1938. Serial No. 409,192. PUBLISHED SEPTEMBER 27, 1938. Class 49.

362,821. RUBBER BELTING, RUBBER OR RUBBER AND FABRIC HOSE, AND FRUIT JAR RINGS. BOSTON WOVEN HOSE AND RUBBER COMPANY, Cambridge, Mass.
Filed August 5, 1938. Serial No. 409,257. PUBLISHED SEPTEMBER 13, 1938. Class 35.

362,822. NECKLACES AND BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, ETC. COHN & ROSENBERGER, INC., New York, N. Y.
Filed August 5, 1938. Serial No. 409,260. PUBLISHED SEPTEMBER 20, 1938. Class 28.

362,823. WASHING FLUID. CYRUS E. MANIERRE, doing business as Solvent Products Co., New York, N. Y.
Filed August 5, 1938. Serial No. 409,277. PUBLISHED SEPTEMBER 20, 1938. Class 4.

362,824. TOY AUTOMOBILES. BERNARD H. BAUM, New York, N. Y.
Filed August 6, 1938. Serial No. 409,291. PUBLISHED SEPTEMBER 13, 1938. Class 22.

362,825. TOY AUTOMOBILES. BERNARD H. BAUM, New York, N. Y.
Filed August 6, 1938. Serial No. 409,292. PUBLISHED SEPTEMBER 13, 1938. Class 22.

362,826. CHANCE GAME PLAYED WITH CHIPS. JOHN J. DEER, New York, N. Y.
Filed August 6, 1938. Serial No. 409,300. PUBLISHED SEPTEMBER 13, 1938. Class 22.

362,827. QUESTION AND ANSWER GAME DEVICE. HERBERT WERTH, New York, N. Y.
Filed August 6, 1938. Serial No. 409,334. PUBLISHED SEPTEMBER 13, 1938. Class 22.

362,828. CHILDREN'S FURNITURE—NAMELY, YOUTH BEDS, CRIBS, CHESTS OF DRAWERS, DRESSERS, CHAIRS, CHIFFEROBES, NIGHT STANDS, STEPS, COSTUMERS, SCREENS, AND TOY CHESTS. LULLABYE FURNITURE CORPORATION, Stevens Point, Wis.
Filed August 8, 1938. Serial No. 409,364. PUBLISHED SEPTEMBER 13, 1938. Class 32.

362,829. WHISKEY. CHARLES LEE CLARK, Richmond, Va.
Filed August 10, 1938. Serial No. 409,420. PUBLISHED SEPTEMBER 13, 1938. Class 49.

362,830. WINES. CALIFORNIA WINE PRODUCTS CORPORATION, Jersey City, N. J.
Filed August 3, 1938. Serial No. 409,187. PUBLISHED OCTOBER 4, 1938. Class 47.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

362,831. (CLASS 39. CLOTHING.) CONTINENTAL UNDERGARMENT CO., Brooklyn, N. Y. Filed June 25, 1936. Serial No. 380,189.

Winterset

For Ladies' Bloomers.
Claims use since June 5, 1936.

362,832. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MOUNTAIN CITY MILL COMPANY, doing business as Chattanooga Bakery, Chattanooga, Tenn. Filed Aug. 4, 1937. Serial No. 396,002.

DEVIL'S FOOD PIE

For Cookies or Cookies in Combination with Filler as a Sandwich.
Claims use since July 6, 1937.

362,833. (CLASS 37. PAPER AND STATIONERY.) UNITED PAPER COMPANY, Braintree and East Braintree, Mass. Filed Aug. 12, 1937. Serial No. 396,331.)

TYTECOTE

For Gummed Paper and Gummed Paper Tapes.
Claims use since June, 1919.

362,834. (CLASS 37. PAPER AND STATIONERY.) TISSUE BRANDS INC., New York, N. Y. Filed Aug. 16, 1937. Serial No. 396,477.

Chantilly

For Facial Tissues.
Claims use since June 26, 1937.

362,835. (CLASS 39. CLOTHING.) FRANKLIN SIMON & CO., INC., New York, N. Y. Filed Oct. 2, 1937. Serial No. 398,038.

JUNIOR ASSEMBLY SHOP

For Children's and Girls' Clothing—Namely, Coats, Suits, Dresses, Underwear, Hats, Leather and Fabric Shoes, Stockings, and Sweaters.
Claims use since Mar. 1, 1937.

362,836. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE KENDALL COMPANY, Walpole, Mass. Filed Oct. 2, 1937. Serial No. 398,046.

HEMFOLD

For Curtain Fabrics in the Piece or in the Bolt and Made of Any of the Common Textile Fibers or Combinations of Them.
Claims use since Apr. 2, 1937.

362,837. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CANADA DRY GINGER ALE, INC., New York, N. Y. Filed Oct. 4, 1937. Serial No. 398,089.

SCOTCH-MIX

THE MIXER WITH
"PIN POINT CARBONATION"

For Mineral Waters, Table Waters, Carbonated Waters of All Kinds and Characters, Included Among Which but not in Limitation Thereof are Club Soda, Ginger Ale, Sarsaparilla, Fruit Sodas, and Miscellaneous Other Carbonated and Non-Carbonated Beverages.
Claims use since Aug. 6, 1937.

362,838. (CLASS 39. CLOTHING.) MARTHA MAID MANUFACTURING COMPANY, Chicago, Ill. Filed Oct. 11, 1937. Serial No. 398,362.

MONTE CARLO

For Women's Underwear or Undergarments, Sleeping Pajamas, Slips, Dance Sets Consisting of a Panty or Step-In and Brassière, Panties, Step-Ins, Underdrawers, Nightgowns, and Chemises.
Claims use since Sept. 4, 1937.

362,839. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. M. WADE, Wenatchee, Wash. Filed Oct. 14, 1937. Serial No. 398,506.

Jim WADE

For Fresh Deciduous Fruits.
Claims use since Aug. 13, 1937.

362,840. (CLASS 39. CLOTHING.) GEO. W. BOLLMAN & CO., Adamstown, Pa. Filed Oct. 20, 1937. Serial No. 398,703.

STA-CREASED

For Men's and Boys' Felt and Straw Hats.
Claims use since Oct. 1, 1936.

362,841. (CLASS 39. CLOTHING.) THE GERNES GARMENT COMPANY INCORPORATED, Kansas City, Mo. Filed Oct. 23, 1937. Serial No. 398,849.

"Gay Gibson"

For Misses', Ladies', and Children's Dresses, Playsuits, Skirts, Blouses, and Smocks.
Claims use since Oct. 1, 1937.

362,842. (CLASS 39. CLOTHING.) THE MAY DEPARTMENT STORES COMPANY, New York, N. Y.; Akron, Ohio; Baltimore, Md.; Denver, Colo.; Los Angeles, Calif.; and St. Louis, Mo., and doing business as The May Company, Cleveland, Ohio. Filed Oct. 23, 1937. Serial No. 398,855.

Yorkshire

THE MAY COMPANY

For Women's and Misses' Coats.
Claims use since Sept. 30, 1937.

362,843. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) REPUBLIC STEEL CORPORATION, Cleveland, Ohio. Filed Oct. 25, 1937. Serial No. 398,937.

TRIPLE CLAD

For Metallic Culverts and Drainage Pipe.
Claims use since Aug. 5, 1937.

362,844. (CLASS 39. CLOTHING.) SAKS & COMPANY, New York, N. Y. Filed Nov. 2, 1937. Serial No. 399,248.

TORSO

For Women's and Misses' Slips.
Claims use since Oct. 25, 1937.

362,845. (CLASS 39. CLOTHING.) A. S. BECK SHOE CORPORATION, New York, N. Y. Filed Nov. 6, 1937. Serial No. 399,394.

A.S.BECK
ANKLE FIT

For Men's and Women's Shoes and Slippers Made of Leather and/or Fabric or Mixtures of These Materials.
Claims use since Oct. 15, 1937.

362,846. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) WILLIAM F. HARROVER, doing business as The Rola-Flor Company, New York, N. Y. Filed Nov. 24, 1937. Serial No. 400,102.

ROLA-FLOR

For Portable Roll-Up Type of Dance Floor.
Claims use since Oct. 13, 1937.

362,847. (CLASS 39. CLOTHING.) JULIUS KAYSER & Co., New York, N. Y. Filed Nov. 24, 1937. Serial No. 400,109.

SATIN SPLENDIDE

For Ladies' Slips.
Claims use since Oct. 12, 1937.

362,848. (CLASS 39. CLOTHING.) JULIUS KAYSER & Co., New York, N. Y. Filed Nov. 24, 1937. Serial No. 400,110.

SATIN RICHESSE

For Ladies' Slips.
Claims use since Oct. 12, 1937.

362,849. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MEGOWEN-EDUCATOR FOOD COMPANY, Cambridge, Mass. Filed Dec. 23, 1937. Serial No. 401,191.

=ALLPACKT=

For Crackers and Biscuits.
Claims use since 1924.

362,850. (CLASS 39. CLOTHING.) SMART DEB FROCKS, INC., New York, N. Y. Filed Jan. 11, 1938. Serial No. 401,793.

TRICKOLLAR

For Ladies' and Children's Dresses, Blouses, Negligees, Pajamas, Suits, Snow Suits, House Dresses, Capes, Men's, Ladies', and Children's Sweaters, "Windbreakers", Lumber Jackets, Bath Robes, Coats, Bathing Suits, Robes, and Men's Shirts.
Claims use since Sept. 15, 1937.

362,851. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE LAMPORT MFG. SUPPLY CO., INC., New York, N. Y. Filed Jan. 12, 1938. Serial No. 401,820.

NABOYKA

For Linen Piece Goods.
Claims use since Jan. 1937.

362,852. (CLASS 39. CLOTHING.) BAY STATE MANUFACTURING COMPANY, Boston, Mass. Filed Apr. 5, 1938. Serial No. 404,885.

Styled by Harriet Hale

For Cotton and Rayon Dresses for Women and Misses.
Claims use since September, 1937.

362,853. (CLASS 45. BEVERAGES, NONALCOHOLIC.) MONTREAL ORANGE BOTTLING COMPANY LIMITED, Montreal, Quebec, Canada. Filed Apr. 21, 1938. Serial No. 405,564.

MIX-SIR

For Carbonate Drink.
Claims use since Mar. 24, 1934.

362,854. (CLASS 44. DENTAL, MEDICAL AND SURGICAL APPLIANCES.) S. H. KRESS AND COMPANY, New York, N. Y. Filed May 17, 1938. Serial No. 406,423.

Elizabeth Post

For Manicure Sets, Nail Files, Orangewood Sticks, and Absorbent Cotton.
Claims use since September, 1935.

362,855. (CLASS 39. CLOTHING.) PECK & PECK, New York, N. Y. Filed May 20, 1938. Serial No. 406,562.

WALLACE TWEED

For Wearing Apparel for Women—Namely, Coats, Suits, Skirts, and Jackets.
Claims use since September, 1937.

362,856. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) POLLY BROS., New York, N. Y. Filed June 30, 1938. Serial No. 408,039.

La ESPANOLA

For Olive Oil.
Claims use since 1928.

362,857. (CLASS 39. CLOTHING.) SCHENKER, MICHEL & WEINSTOCK, INC., Chicago, Ill. Filed July 29, 1938. Serial No. 409,060.

Roth-form FRONT -will not curl

For Women's Coats and Suits.
Claims use since Aug. 1, 1935.

362,858. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) AIR & REFRIGERATION CORP., New York, N. Y. Filed July 30, 1938. Serial No. 409,077;

CAPILLARY

For Units for Cleaning, Humidifying, Dehumidifying, Washing, and Circulation of Air.
Claims use since Oct. 10, 1935.

362,859. (CLASS 37. PAPER AND STATIONERY.) LEE PAPER COMPANY, Vicksburg, Mich. Filed Aug. 23, 1938. Serial No. 409,888.

OLD STAMFORD BOND

For Bond Paper.
Claims use since Aug. 8, 1905.

362,860. (CLASS 39. CLOTHING.) J. SCHOENEMAN, INC., Baltimore, Md. Filed Sept. 23, 1938. Serial No. 410,930.

West Wind

For Coats, Vests, Trousers, Knickerbockers, Top Coats, and Overcoats for Men, Youths, and Boys.
Claims use since May 13, 1930.

LABELS

REGISTERED NOVEMBER 29, 1938

52,155.—*Title:* CROWN SUPER-FINE POP CORN. For Pop Corn. AMERICAN POP CORN COMPANY, Sioux City, Iowa. Published October 3, 1938.

52,156.—*Title:* MIOCIDE. For Crystals for Controlling Moths, Destroying Insects and Overcoming Objectionable Odors. ARCHER CHEMICAL COMPANY, Grand Rapids, Mich. Published September 28, 1938.

52,157.—*Title:* BEECH-NUT. For Condiments. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published September 10, 1938.

52,158.—*Title:* CELCURE. For a Wood Preservative. CELCURE SOUTHERN CORPORATION, Jacksonville, Fla. Published October 14, 1938.

52,159.—*Title:* TWIN SISTERS BLACK LIP & CHEEK ROUGE. For Lip and Cheek Rouge. CLARK-MILLNER CO., Chicago, Ill. Published October 6, 1938.

52,160.—*Title:* FINE FOOTWEAR. For Footwear. A. C. CLAYTON PRINTING CO., St. Louis, Mo. Published October 28, 1938.

52,161.—*Title:* DIAMOND STATE. For Beer. DIAMOND STATE BREWERY, INC., Wilmington, Del. Published October 18, 1938.

52,162.—*Title:* J. B. EXPORT. For Lager Beer. EASTERN BEVERAGE CORPORATION, Hammonton, N. J. Published October 7, 1938.

52,163.—*Title:* LITTLE BUSYBODY. For Children's Shoes. ETTELBRICK SHOE COMPANY, Greenup, Ill. Published July 29, 1938.

52,164.—*Title:* McSORLEY'S AMBER ALE. For Ale. FIDELIO BREWERY, INC., New York, N. Y. Published September 29, 1938.

52,165.—*Title:* GIOIA. For Alimentary Pastes. ANTONIO GIOIA, doing business as Gioia Macaroni Company, Rochester, N. Y. Published September 30, 1938.

52,166.—*Title:* ALTONO HERB TONIC. For an Herb Tonic. GRACE INGLE, Asheville, N. C. Published September 1, 1938.

52,167.—*Title:* MEAD'S CEREAL ENRICHED WITH MINERAL AND VITAMIN CONTAINING FOODS. For a Specially Prepared Cereal Enriched with Mineral and Vitamin Containing Foods. MEAD JOHNSON & COMPANY, Evansville, Ind. Published October 22, 1938.

52,168.—*Title:* SUN CUP. For a Non-Alcoholic Beverage. HENRY A. KROPP, Reading, Pa. Published October 19, 1938.

52,169.—*Title:* GOLD MINE. For Bourbon Whiskey. MAISON BLANCHE COMPANY, New Orleans, La. Published May 25, 1938.

52,170.—*Title:* NELLIE LOU. For Cleaning Paste. THE NELLIE LOU CORPORATION, Norwalk, Conn. Published July 1, 1938.

52,171.—*Title:* ARKANSAS RAZOR BACK. For Sherry Wine. NELSON WINE & DISTILLING COMPANY, INC., Springdale, Ark. Published October 1, 1938.

52,172.—*Title:* PROFESSOR MIKE KROPHONE. For a Game. PARKER BROTHERS, INC., Salem, Mass. Published October 10, 1938.

52,173.—*Title:* ROUND LEATHER BELTING. For Round Leather Belting. PENNWELL OIL & BELTING CO., INC., New York, N. Y. Published May 2, 1938.

52,174.—*Title:* FRESH ROASTED. For Roasted Coffee. THOMAS M. ROYAL & COMPANY, Philadelphia, Pa. Published September 1, 1938.

52,175.—*Title:* TIT-TAT-TOAD. For a Game. HENRY SCHMIDT & BRO., INC., Philadelphia, Pa. Published May 18, 1938.

52,176.—*Title:* CLUB SODA. For Club Soda. SWIRLS, INC., Newark, N. J. Published August 18, 1938.

52,177.—*Title:* PALE DRY. For Pale Dry Ginger Ale. SWIRLS, INC., Newark, N. J. Published August 18, 1938.

52,178.—*Title:* TALISMAN. For a Preparation for Dandruff and Falling Hair. SAM TROPEA, Sea Island City, N. J. Published September 12, 1938.

52,179.—*Title:* FOOD FAIR. For Eggs. UNION PREMIER FOOD STORES, INC., Philadelphia, Pa. Published October 13, 1938.

52,180.—*Title:* DR. WALLER'S SKIN REPAIRER. For a Toilet Preparation. J. L. WALLER, San Francisco, Calif. Published May 4, 1938.

52,181.—*Title:* WARD'S TIP-TOP BREAD. For Bread. WARD BAKING COMPANY, New York, N. Y. Published October 24, 1938.

52,182.—*Title:* LUCKY. For Soft Coal. WORTENDYKE MANUFACTURING CO., Richmond, Va. Published October 20, 1938.

PRINTS

REGISTERED NOVEMBER 29, 1938

17,137.—*Title:* CASHEW SPLITS 49¢ LB. For Nuts. AWFUL FRESH MACFARLANE, Oakland, San Francisco, and Berkeley, Calif. Published October 12, 1938.

17,138.—*Title:* ENGLISH TOFFEE 49¢ LB. For Candy. AWFUL FRESH MACFARLANE, Oakland, San Francisco, and Berkeley, Calif. Published October 15, 1938.

17,139.—*Title:* FRUIT JELLS 29¢ LB. For Candy. AWFUL FRESH MACFARLANE, Oakland, San Francisco, and Berkeley, Calif. Published October 10, 1938.

17,140.—*Title:* COFFEE BLACKS 49¢ LB. For Candy. AWFUL FRESH MACFARLANE, Oakland, San Francisco, and Berkeley, Calif. Published October 10, 1938.

17,141.—*Title:* EUREKA SPRINGS. For Springs. EUREKA SPRING COMPANY, INC., Point Pleasant Beach, N. J. Published October 10, 1938.

17,142.—*Title:* FREE DEMONSTRATION—SOFSKIN CREME. For a Cream for the Hands and Skin. THE GLESSNER COMPANY, Findlay, Ohio. Published September 15, 1938.

17,143.—*Title:* SOUVENIR FOLDER OF JEFFERSON ISLAND, LOUISIANA. For Salt. JEFFERSON ISLAND SALT COMPANY, Louisville, Ky. Published October 17, 1938.

17,144.—*Title:* RONRICO ICE CREAM. For Ice Cream. RONRICO CORPORATION, San Juan, P. R. Published October 19, 1938.

REISSUES

NOVEMBER 29, 1938

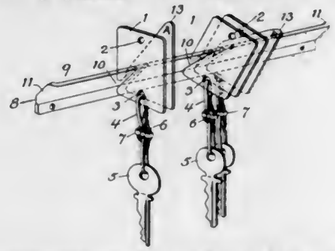
20,928

KEY CHECK AND RACK

Arthur Drummond, Rye, N. Y.

Original No. 2,058,963, dated October 27, 1936, Serial No. 92,088, July 23, 1936. Application for reissue October 10, 1938, Serial No. 234,332

9 Claims. (Cl. 40—19.5)



1. In combination, a plurality of identification tags, means securing a tag to each article to be identified, and a support for the tags with the articles attached, said tags each being provided with an edge notch suitable for engaging the support in such relation as to permit a tag to be slipped on or off the support without requiring the removal of other tags carried by the support.

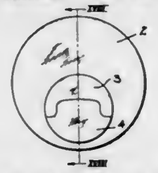
20,929

LENS AND METHOD OF MAKING SAME

Fay D. Kinney, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Original No. 2,067,194, dated January 12, 1937, Serial No. 25,225, June 6, 1935. Application for reissue September 1, 1938, Serial No. 228,001

7 Claims. (Cl. 88—54)



5. The method of making a multifocal lens having a reading segment having a transverse upper portion and a circular portion on the lower side, comprising forming a curved countersink in a major lens blank, forming a segment button of two pieces of glass of different indices of refraction with male and female lines of joinder, one of which has a central transverse section, reflected sections controlling the width of the finished reading segment of the lens and terminal offset end sections spaced from the central transverse section, securing said two pieces of glass together along said lines of joinder, securing said button in said countersink, and forming an optical surface on the segment side of the composite fused blank to such a depth as to cause the offset transverse end sections to close in until the said surface intersects the curve of the countersink and forms a circular contour throughout the lower portion of the segment and continuing the abrading of said surface until the lower circular contour approaches and meets the deflected end sections of the central transverse section whereby the said offset transverse end sections will disappear and the deflected end sections will form portions of the side contours of the finished reading segment of the blank and finishing the opposite side of the blank to a continuous optical surface.

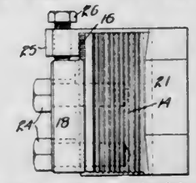
20,930

CHASER AND CHASER CLAMP

Charles A. Reimschissel, Waynesboro, Pa., assignor to Landis Machine Company, Waynesboro, Pa., a corporation of Pennsylvania

Original No. 2,023,440, dated December 10, 1935, Serial No. 701,366, December 7, 1933. Application for reissue December 4, 1937, Serial No. 178,188

24 Claims. (Cl. 10—104)



24. For use in a chaser holder having a longitudinally adjustable grooved clamp; a chaser, comprising, a beveled base, a beveled top and a face provided with thread-cutting serrations; a plurality of grooves formed in a clamp engaging surface of said chaser, said grooves being shaped so as to match with the grooves on the clamp and having their sides substantially normal to the longitudinal axis of said chaser, whereby no substantial forces tending to cause relative movement of the clamp and chaser are developed at said sides during operation.

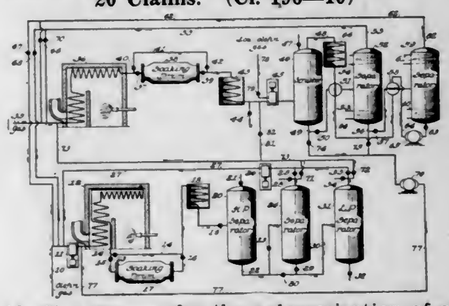
20,931

POLYMERIZATION OF GASES

Robert F. Ruthruff, Nutley, N. J., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Original No. 2,017,325, dated October 15, 1935, Serial No. 630,282, August 24, 1932. Application for reissue April 21, 1937, Serial No. 138,079½

20 Claims. (Cl. 196—10)



19. In a process for the polymerization of olefinic gases at temperatures of 850° to 1000° F. and under pressures of 500 to 2000 lbs. per sq. in., the steps of separating liquid products from unreacted gases in at least three stages at progres-

sively lower pressures, separating fixed gases from products in the first stage, eliminating fixed gases from the system, separating gas relatively rich in olefins from at least one stage subsequent to the first stage and recycling substantially all of said gas to the polymerization step, and eliminating the gases low in polymerizable constituents separated in the other stages from the system.

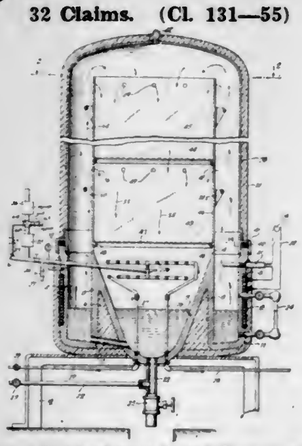
20,932

ART AND APPARATUS FOR TREATING TOBACCO AND THE LIKE

Franklin S. Smith, New Haven, Conn., assignor to Thermal Engineering Corporation, Richmond, Va., a corporation of Virginia

Original No. 1,952,781, dated March 27, 1934, Serial No. 259,190, March 5, 1928. Application for reissue September 12, 1938, Serial No. 229,568

32 Claims. (Cl. 131—55)



4. The method of treating tobacco and the like, which comprises decreasing the density of the gas film adhering to the tobacco, and bringing water vapor into contact with the tobacco under an initial total pressure below 20 millimeters of mercury.

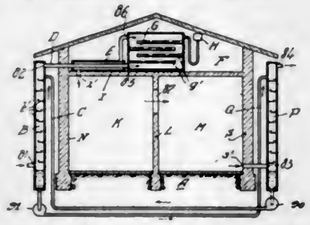
20,933

APPARATUS AND PROCESS FOR CONDITIONING AIR OR THE LIKE

Edmund Altenkirch, Neuenhagen, near Berlin, Germany, assignor to Siemens-Schückertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany

Original No. 1,918,682, dated July 18, 1933, Serial No. 516,318, February 17, 1931. Application for reissue April 18, 1935, Serial No. 17,027. In Germany September 5, 1929

32 Claims. (Cl. 62—119.5)



11. The combination with a building of apparatus for conditioning the air therein, including a plurality of interconnected vessels containing absorbent material capable of modifying the condition of the air passing thereover, one vessel being located on the sunny side of the building whereby it is heated by the sun, and another vessel being located on the shady side of the building whereby it is shielded from the sun, and connections between said vessels, said room and the atmosphere such that air flows through one vessel where its condition is modified and then into the room, while exhaust air from the room flows through the other vessel where its condition is modified and then to the atmosphere.

PLANT PATENTS

GRANTED NOVEMBER 29, 1938

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

305

ROSE

Roy L. Byrum, Richmond, Ind., assignor to Jos. H. Hill Company, Richmond, Ind.

Application February 11, 1938, Serial No. 190,112

1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant characterized as to novelty by the ease with which it may be propagated, the large productivity of blooms per plant, and the distinctive color and size of its blossoms, substantially as shown and described.

306

PEACH TREE

Léon Maillochon and Ernest Marlaud, Argenton-sur-Creuse (Indre), France, assignors to Stark Bro's Nurseries & Orchards Company, Louisiana, Mo.

Application July 13, 1937, Serial No. 153,434

1 Claim. (Cl. 47—62)

A new and distinct variety of peach tree, substantially as shown and described, characterized by its dwarfish growth and the production of attractive blooms, followed by leaves and edible fruit.

PATENTS

GRANTED NOVEMBER 29, 1938

2,137,997

PACKING DEVICE FOR USE IN WELLS

William E. Bendeler, Houston, Tex.

Application December 28, 1936, Serial No. 117,874

18 Claims. (Cl. 166—10)



1. A device for sealing between two telescopically related parts in a well including a packer proportioned to be lowered through the outer part and down over the inner part to a position between said parts when the parts are in the well, and a tool for imposing a downward force on the packer when in said position to expand it inwardly against the inner part and outwardly against the outer part to seal with both of said parts.

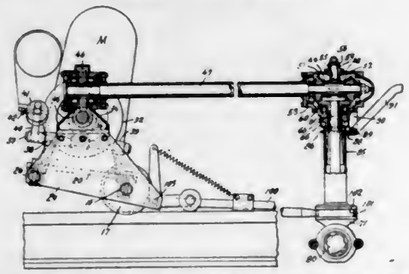
2,137,998

DRIVING MECHANISM

Wilhelm B. Bronander, Montclair, N. J.

Application April 17, 1936, Serial No. 74,959

1 Claim. (Cl. 81—57)



In combination, an axle, supporting wheels therefor, a frame pivoted on the axle, a motor, motor shaft and drive transmitting gearing including friction disks and means including a lever and adjustable weight thereon for pressing said disks into driving contact with each other, said parts being disposed in the rear of the axle on said frame, a transmission shaft connected to the gearing and extending forwardly to a point in front of the axle, a tool head on the front of said shaft and operatively connected thereto, said tool head having a wrench socket, and driving connections for driving said wrench in either direction.

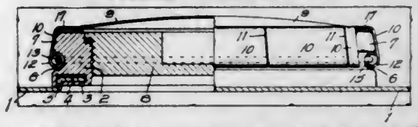
2,137,999

SEALING CAP FOR BARREL BUSHING AND SCREW PLUG ASSEMBLIES

David W. Curtis, St. Louis, Mo., assignor to Thomas Connors, St. Louis, Mo.

Application July 6, 1936, Serial No. 89,160

7 Claims. (Cl. 220—39)



1. The combination with a metal barrel fitted with a bushing having a peripheral bead and provided with a screw plug, of a snap-on sealing cap therefor having a series of contractible skirt fingers to engage the bushing below the bead and circumferentially contractible means engaging the inner walls of the fingers for locking the cap in position.

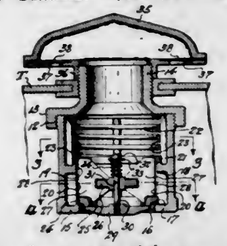
2,138,000

INGRESS AND EGRESS VENT VALVE

Carl H. Ehlers, Penfield, Pa., assignor to A. W. Wheaton Brass Works, Inc., Newark, N. J., a corporation of New Jersey

Application June 9, 1936, Serial No. 84,265

2 Claims. (Cl. 277—45)



1. A vent valve, comprising an endwise open casing having an internal annular valve seat forming flange at its inner end defining a primary port, an egress valve member adapted to seat by gravity on said flange to normally close said primary port, said casing having a second internal flange defining a secondary port opening intermediate the ends of said casing sized to admit movement of said egress valve member therethrough, a spring pressed movable valve seat ring supported by said second flange for outwardly yieldable movement, said valve seat ring overhanging the free margins of said second flange so as to be engageable by said egress valve member whereby the latter under certain conditions may close said secondary port, said egress valve member and valve seat ring, when engaged together, being capable of common outward movement to open said secondary port under other conditions, and said egress valve member having an inwardly opening spring closed ingress valve means connected therewith.

2,138,001

ENGINE AND EXHAUST PIPE COOLING SYSTEM

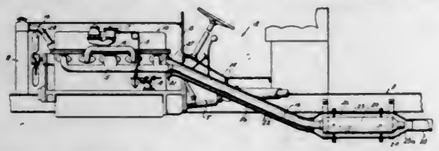
John S. Fluor, Jr., Santa Ana, Calif., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif., a corporation of California

Application September 28, 1936, Serial No. 102,878

8 Claims. (Cl. 180—54)

1. In an engine driven vehicle including a water

cooled internal combustion engine, a driving compartment having a floor wall and a vertically extending wall at the rear of the engine, and an exhaust pipe extending rearwardly from the engine exhaust manifold; a conduit outside the walls of said compartment and directly surrounding and following the exhaust pipe, said



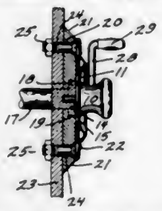
conduit having an air inlet positioned to receive heated air from the immediate vicinity along the exhaust manifold but leaving the main body of the engine openly exposed beyond said inlet, and means for communicating suction to said conduit to draw the heated air from said exhaust manifold into and through the conduit.

2,138,002
WELL PUMP
Jesse E. Hall, Bakersfield, Calif.
Application March 23, 1936, Serial No. 70,361
15 Claims. (Cl. 103—179)



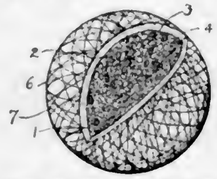
1. A well pump for use in a tubing having a seat comprising, a tubular barrel to be lowered through the tubing, the barrel having a part to cooperate with the seat and having an upper portion and a lower portion of reduced internal diameter, a tubular plunger reciprocable in the barrel and comprising an upper portion operating in the upper portion of the barrel and a reduced lower portion operating in the lower portion of the barrel and extending into the upper portion of the barrel to leave a chamber therein, the plunger having a surface exposed to the downward force exerted by the column of fluid in the tubing, the effective area of said surface being larger than the cross sectional area of the chamber whereby said force may move the plunger downwardly during its down stroke to displace the fluid from the chamber, means on the upper portion of the plunger for shiftably sealing with the interior of the upper portion of the barrel, means in the lower portion of the barrel sealing about the lower portion of the plunger, there being a port in the plunger placing the passage therein in communication with the chamber, the lower end of said passage being adapted to receive the fluid, a valve on the lower portion of the plunger operable to close the passage therein during the down stroke of the plunger, and a valve carried by the upper portion of the plunger operable to close communication between the passage therein and the chamber during the up stroke of the plunger, the valves being located one above the other.

2,138,003
SAFE DIAL
John H. Hamilton, Sioux City, Iowa
Application August 22, 1935, Serial No. 37,357
1 Claim. (Cl. 70—332)



A safe dial mounting comprising a substantially thickened base member adapted to be attached to a standard safe wall, said base member having a recessed circular opening, a tumbler guiding shaft having an outer flange of greater diameter than the shaft received within said recess to limit the movement of the shaft, said shaft adapted to receive a removable dial having thereon certain indicia.

2,138,004
METHOD OF MAKING A PLAY BALL SLUG
George D. Grau, Jr., Tullahoma, Tenn., assignor to The Lannom Manufacturing Company, Grinnell, Iowa
Application December 10, 1937, Serial No. 179,159
4 Claims. (Cl. 154—16)



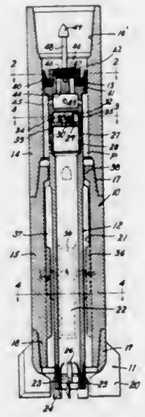
1. The method of manufacturing a ball slug comprising mixing a quantity of broken cork with a quantity of pulverized kapok while both are dry; adding to the mixture a quantity of rubber latex sufficient to encompass all pieces of cork in the mixture and all particles of pulverized kapok therein, adding to the wet mixture a sufficient quantity of relatively fine sand to obtain the desired weight, permitting all sand particles also to become completely encompassed by the rubber latex, thoroughly stirring the mixture of cork, kapok, sand and latex and leaving the same to condition itself a selected period of time, forming selected measures of the conditioned mixture into spherical cores, hand-winding a selected quantity of yarn about the core to hold the same to size, coating the slug thus wound with latex and machine-winding more yarn thereon, applying the core thus again wound, with a substantial final coat of latex, subjecting the slug thus prepared to an application of heat to vulcanize the latex in the core and hold the pieces of sand, kapok and cork from slipping around in the core, and to provide a substantial resiliency in the core mass; said core thus defining a ball slug adapted to be provided with a cover of selected material.

2,138,005
PACKAGE FOR FOOD PRODUCTS
John C. Hershey, York, Pa., assignor to J. S. Hershey Baking Company, York, Pa., a corporation of Pennsylvania
Application April 10, 1937, Serial No. 136,063
2 Claims. (Cl. 206—44)



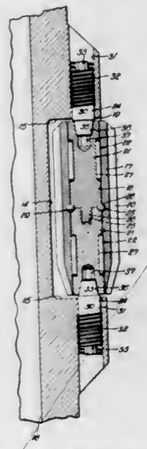
1. A container for bakery products and the like, comprising a pan having a relatively short upstanding wall of uniform height, a cardboard tray mounted on the bottom of said pan so as to cover the same and having upstanding end portions and upstanding side portions integral therewith, said upstanding end and side portions projecting upwardly above said wall, said upstanding side portions of the cardboard being of less length than the length of the side wall of said pan, a wrapper of sheet material having its ends folded downwardly to enclose the upstanding ends of said cardboard tray and its longitudinal edges folded under the bottom of said pan, said wrapper being supported in spaced relation above said pan by said upstanding portions of said tray and strips of adhesive tape for securing the free edges of said wrapper to said pan and to the ends of said tray.

2,138,006
ROTARY CORE DRILL
John H. Howard, Huntington Park, Calif.
Application October 14, 1935, Serial No. 44,884
3 Claims. (Cl. 255—72)



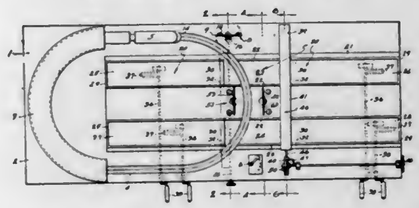
1. A rotary well drill including a tubular body adapted to be operated on a tubular drilling string, a tubular cutting head on the lower end of the body, a core barrel adapted to be passed through the string to the interior of the body, means for transmitting rotation from the body to the core barrel, a cutter on the core barrel operable to cut a core for reception by the core barrel, means for feeding the core barrel downwardly to cause its cutter to cut a core in advance of the cutting head, and means for audibly signaling to the driller when the core barrel has been advanced a predetermined extent.

2,138,007
REAMER CUTTER MOUNTING
John H. Howard and Philip C. Efromson, Whittier, Calif.; said Efromson assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California
Application June 15, 1937, Serial No. 148,297
10 Claims. (Cl. 255—73)



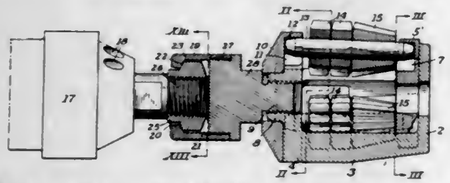
1. A well reamer comprising an elongate shank, an elongate roller cutter having a longitudinal opening, a supporting element extending through the opening from one end of the cutter to the other, means engaging the opposite ends of the element and supporting the element in substantially parallel relation to the longitudinal axis of the shank, a single anti-friction bearing transmitting end thrusts in both directions from the cutter to the element, and bearing means transmitting the radial thrusts from the cutter to the element.

2,138,008
AMUSEMENT DEVICE
Adrian S. Jones, Redwood City, Calif.
Application December 28, 1936, Serial No. 117,692
5 Claims. (Cl. 104—164)



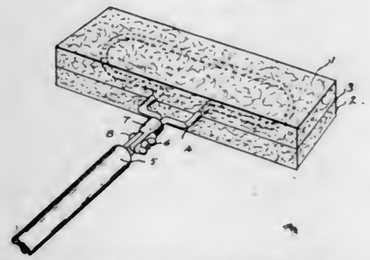
1. In an amusement device, a table, a road section thereon, two movable runways arranged on opposite ends of the road section and with their inner ends in abutting relation thereto, spring means engaging each runway near its abutting end for holding the latter to the table and in abutting relation to the road section and for yieldingly opposing raising of its outer end, and transverse rods carried by the table having cranks underneath the outer ends of the runways and having handles along the edge of the table whereby the two runways may be independently raised and lowered in rapid play to desired angularities for causing a vehicle to run back and forth between the extremities of the runways and over the road section in immediate response to control movements of an operation.

2,138,009
TUBE CLEANER
Paul T. Keebler, Jeannette, Pa., assignor to Elliott Company, Jeannette, Pa., a corporation of Pennsylvania
Application August 7, 1934, Serial No. 738,807
4 Claims. (Cl. 15—104.14)



3. A rotary tube cleaner head having a supporting cage, a plurality of longitudinally-extending shafts having cleaning elements operably mounted thereon, a plurality of bearing elements removably secured in said cage and having bearing surface portions, at least one of said elements having bearing surface portions with outwardly elongated opening portions, said shafts being inwardly and outwardly movable in said elongated bearing surface portions under the centrifugal force of rotation, said bearing elements having all the bearing surfaces for the outward and inward movement of said shafts, and said elements also having stops to restrain the outward movement of said shafts.

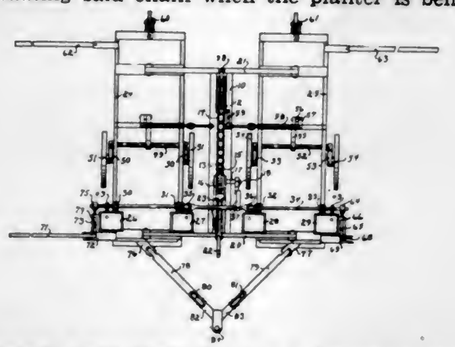
2,138,010
SPONGE RUBBER BRUSH
Robert K. Metcalf, Toronto, Ontario, Canada
Application January 31, 1938, Serial No. 187,879
1 Claim. (Cl. 15—244)



A scrubbing and brushing implement, comprising two similar rectangular sponge rubber blocks adhesively secured together, a rigid reinforcing member inserted therebetween, said reinforcing member consisting of rigid material of substantially the same shape as, but slightly smaller than the sponge rubber blocks and located approximate to the periphery of said blocks, said reinforcing member extending outside at an edge of the sponge rubber blocks to form a connection with a handle.

2,138,011
MULTIPLE ROW PLANTER
Ola H. Myers, Central City, Iowa
Application June 18, 1937, Serial No. 148,918
5 Claims. (Cl. 111—19)

3. In a planter, a supporting member, frame members hingedly secured to either side of said supporting member, a shaft in each of said frames, a crank arm on each end of said shafts, each crank arm having an end secured to an end of said shafts, wheels rotatably mounted on the other ends of said crank arms, a means for manually rotating said shafts for raising or lowering said wheels relative to said frames at times, seed hoppers secured to said frames, an endless chain operatively mounted on said supporting member designed to be in engagement with the earth for actuating said chain when the planter is being



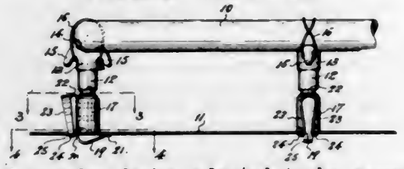
moved in a forwardly direction, valve mechanisms in said seed hoppers, a means for operatively connecting said valve mechanisms to said chain, and a means for manually disengaging said valve mechanisms from said chain at times.

2,138,012
QUILL BRUSH HOLDER
Martin Perr, Newark, N. J., assignor of one-half to William H. Robinowitz, Newark, N. J.
Application April 16, 1937, Serial No. 137,217
2 Claims. (Cl. 279—50)



2. In a device of the kind described, the combination with a handle member having an axially extending tapered seating spike, a brush head having a hollow shank for removable telescopic engagement over said seating spike, a pair of initially expanded springy jaw elements affixed to said handle member for projection therefrom along opposite sides of said seating spike with their free end portions terminating short of the free end of the latter, said jaw elements having longitudinally spaced primary and secondary gripper means, said jaw elements having outwardly flared cam-sections intermediate their primary and secondary gripper means, and an actuating sleeve slidably mounted on said handle member and movable to engage and contract said jaw elements to cause said primary and secondary gripper means thereof to grip and frictionally bind said brush shank to said seating spike at longitudinally spaced points.

2,138,013
SUPPORT COUPLER FOR GASEOUS VAPOR ELECTRIC LAMPS
Martin Perr, Newark, N. J.
Application July 6, 1938, Serial No. 217,653
7 Claims. (Cl. 24—81)

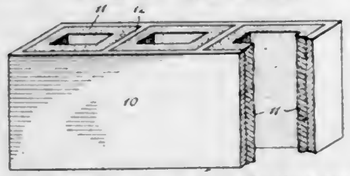


1. A coupler device adapted to be assembled with a perforate plate for the purposes described comprising, a socket member, and anchoring elements extending from said socket member for engagement through a base plate openings, said elements being relatively disposed to provide a multiple point anchorage to said base plate to hold said socket member in attached extension from said base plate.

2,138,014
PREPARATION OF VISCOSE SIRUP
George A. Richter, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine
No Drawing. Application May 1, 1937, Serial No. 140,222
4 Claims. (Cl. 260—100)

1. A process of making viscose, which comprises producing an alkali-cellulose blend from acid-sulphite-preliberated cellulose pulp and alkali-preliberated cellulose pulp in approximately equal proportions to not less than about 25% of said first-named pulp relative to the total cellulose content of said alkali-cellulose, xanthating the alkali-cellulose blend, and dissolving the resulting cellulose xanthate to form viscose.

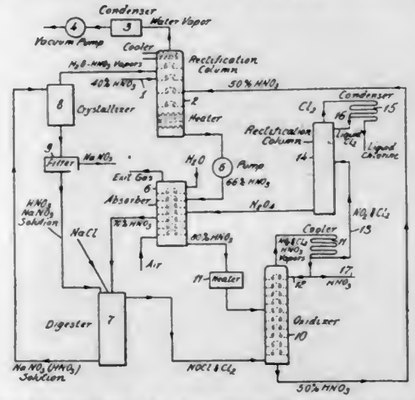
2,138,015
BUILDING UNIT
Vern A. Barnhart, Jester Lake, Milton, N. J.
Application October 23, 1935, Serial No. 46,247
1 Claim. (Cl. 72—41)



A building unit comprising a hollow open ended body inherently deficient in absorption properties and having walls the end faces of which are too narrow to provide efficient mortar gripping surfaces and linings of separate material located within said hollow body upon predetermined inner faces thereof, said linings having a natural affinity for mortar and terminating substantially flush with said end faces of said walls to supplement the width thereof and thereby provide efficient mortar gripping surfaces without destroying the hollow open character of said body.

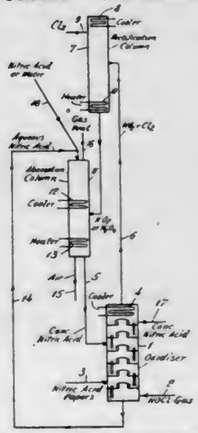
2,138,016
PROCESS FOR THE PRODUCTION OF A NITRATE AND CHLORINE
Herman A. Beekhuis, Jr., Petersburg, Va., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York
Application February 19, 1937, Serial No. 126,619
15 Claims. (Cl. 23—102)

1. The process for the production of a nitrate and chlorine from nitric acid and a metal chloride which comprises treating aqueous nitric acid containing below 70% HNO_3 with nitrogen dioxide and oxygen to enrich the acid and to produce an acid containing substantially 70% or more HNO_3, reacting acid, thus enriched, with



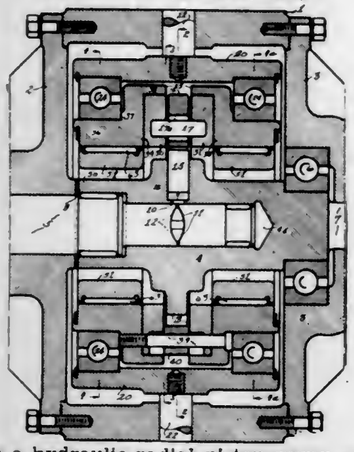
a metal chloride at an elevated temperature to form a nitrate, nitrosyl chloride and chlorine, oxidizing said nitrosyl chloride to nitrogen dioxide and chlorine, separating the nitrogen dioxide from the chlorine and employing the nitrogen dioxide thus obtained for the enrichment of the aforesaid aqueous nitric acid.

2,138,017
PROCESS FOR THE DECOMPOSITION OF NITROSYL CHLORIDE
Herman A. Beekhuis, Jr., Petersburg, Va., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York
Application February 19, 1937, Serial No. 126,621
19 Claims. (Cl. 23—157)



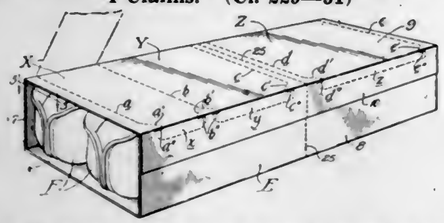
1. The process for the decomposition of nitrosyl chloride which comprises passing said nitrosyl chloride in contact with hot nitric acid solution at a temperature of substantially 50° C. or higher, said nitric acid solution being of a concentration such that when heated at a temperature between 50° C. and the boiling point of the solution the vapors evolved from said solution contain 70 parts or more HNO_3 to every 30 parts H_2O, and then passing the resulting mixture of gases and vapors in contact with nitric acid solution of a higher concentration than that of the first mentioned acid.

2,138,018
HYDRAULIC POSITIVE DRIVE PUMP OR MOTOR
Elek K. Benedek, Bucyrus, Ohio
Application March 12, 1935, Serial No. 10,691
8 Claims. (Cl. 103—161)



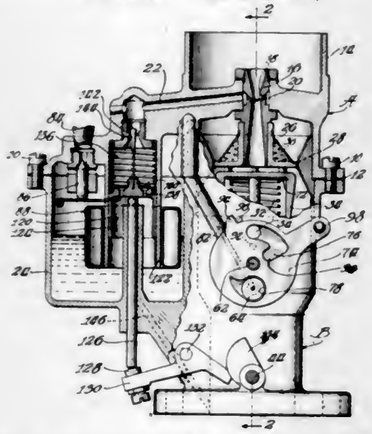
1. In a hydraulic radial piston pump or motor of the character described, a primary rotor having a circumferential series of radial piston assemblages, and having a reduced hub portion at one side of the plane of said assemblages, a reactance rotor for the piston assemblages having an annular hub positioned in radial alignment with the hub of the primary rotor and in spaced relation radially therefrom, said rotors being eccentric to each other, the radial inward hub having diametrically opposite external plane parallel bearing faces, said other hub having diametrically opposite internal plane parallel bearing faces positioned at right angles to those of the other hub, and a rigid annular coupling element surrounding the inner one of said rotor hubs and lying wholly within the axial limits of the rotors and having internal plane bearing faces cooperable with those of the inner rotor hub and external plane bearing faces at right angles to its internal plane bearing faces and cooperable with those of the outer hub, said bearing faces of the rotor hubs and element mounting the element for concurrent oscillations in two lineal paths disposed at right angles to each other, whereby the eccentric rotors are positively drivingly connected to each other.

2,138,019
CARTON
Leon Benoit, New York, N. Y.
Application March 22, 1937, Serial No. 132,216
4 Claims. (Cl. 229—51)



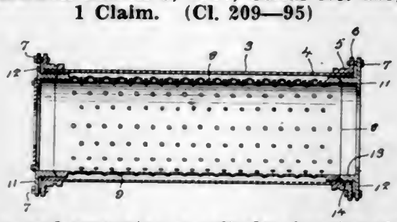
1. In a carton produced from a sheet of resilient material, the combination of enclosing walls which comprise a cover having a depending flap in overlying relation to an adjacent vertical wall to which the flap is adapted to be secured, and connected lines of severance formed in the cover and flap defining a plurality of sections each swingingly separable from the cover and each section provided in the plane of the flap with a shouldered locking tab disposed upon the free edge of the section when swingingly separated from the cover, the vertical wall adjacent the flap being extended upwardly to approximately the line of juncture between the flap and cover, the tab tending normally to swing out toward the plane of the cover and the cover being extended inwardly for engagement with the shouldered portion of the tab when the latter is swung inwardly and disposed to the inside of the said vertical wall.

2,138,020
CARBURETOR
Robert F. Bracke, Chicago, Ill.
Application March 22, 1935, Serial No. 12,463
9 Claims. (Cl. 261—34)



2. In a carburetor of the class described, the combination of a fuel supply nozzle, a mixing chamber into which said nozzle discharges, a suction actuated valve for admitting secondary air to said chamber, a suction chamber beneath said valve, a spring for closing said valve, a throttle bore communicating with said mixing chamber, a restricted conduit connecting said throttle bore with said suction chamber whereby said valve is opened an amount proportional to the degree of suction existing in the upper part of said bore, a vacuum chamber, a conduit connecting said vacuum chamber with said suction chamber, a valve normally closing said conduit, means for opening said last-named valve when the carburetor is conditioned for rapid engine acceleration, and an accelerator pump for simultaneously supplying said nozzle with an additional quantity of fuel.

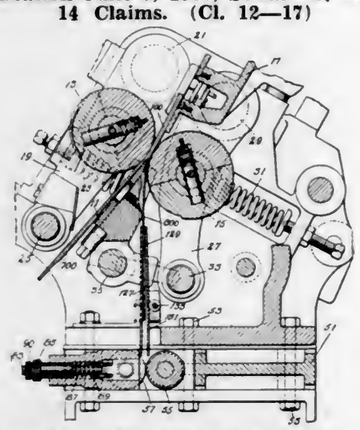
2,138,021
SEED SEPARATOR
Carl S. Brye, Minnewaukan, N. Dak.
Application March 8, 1937, Serial No. 129,741
1 Claim. (Cl. 209—95)



In a seed separator, a cylinder, bearing sleeves mounted on the cylinder at the ends thereof to

contact a supporting means and including flanges having screw threaded openings, a separator cylinder having beveled ends received in the first named cylinder, annular heads having beveled ends to engage the beveled ends of said separator cylinder, flanges formed on the heads and arranged exteriorly of the first named cylinder and paralleling the flanges of said sleeves, and stud bolts extending through the flanges of the heads and threaded in the screw threaded openings of the flanges of said bearing sleeves.

2,138,022
SPLITTING MACHINE
Ernest L. Butler, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application June 7, 1937, Serial No. 146,712
14 Claims. (Cl. 12—17)



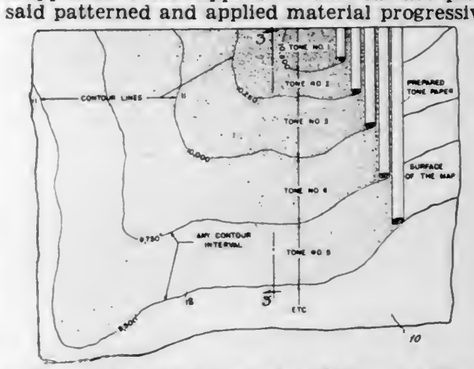
1. A machine of the class described having, in combination, mechanism for removing from a piece of leather a flesh split in such manner that the split is shortened in the process of removal, and mechanism independent of the mechanism for removing the split for progressively applying pressure to the split sufficient to lengthen it.

2,138,023
METHOD OF TREATING ANODIC COATINGS ON MAGNESIUM AND ITS ALLOYS
Robert W. Buzzard, Kensington, Md., and James H. Wilson, Washington, D. C.
No Drawing. Application November 14, 1935, Serial No. 49,758
3 Claims. (Cl. 148—6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A method of treating an anodically formed film on magnesium and its alloys, which comprises heating the coated metal at a temperature above 100° C. and lower than the fusion point of the metal in a hydrocarbon.

2,138,024
ALTITUDE MAP
Raymond J. Cheesman, Morgantown, W. Va.
Application August 23, 1935, Serial No. 37,454
3 Claims. (Cl. 35—41)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A map depicting the various third dimensions of a mapped area comprised of a flat surface piece, transparent sheets of toned material, said sheets being patterned after the contour of the different altitude contour planes of the mapped area and applied to said surface piece, said patterned and applied material progressive-

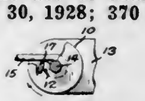


ly having greater tone value for each altitude contour plane of progressively greater altitude.

2,138,025
MATERIAL FOR INITIATING A WELDING ARC
John D. Crecca and Samuel S. Scott, St. Albans, N. Y.
No Drawing. Original application January 13, 1934, Serial No. 706,510. Divided and this application June 19, 1936, Serial No. 86,152
3 Claims. (Cl. 219—8)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

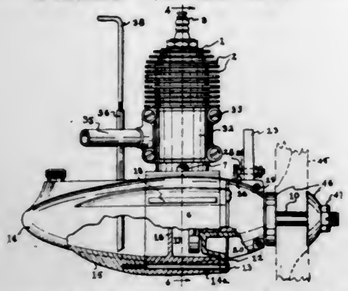
3. A material for initiating an electric arc between electrodes maintained in spaced apart relation, comprising unconfined metallic particles which, when disposed between said electrodes in contact with one thereof and subjected to the flux due to a potential applied across the gap between said electrodes, are movable by said flux to short circuit the said gap and establish an arc.

2,138,026
WIRE BENDING AND SECURING DEVICE
James B. Dempsey, Topeka, Kans., assignor to the Government of the United States, as represented by the Secretary of Commerce
Application July 27, 1937, Serial No. 155,914
5 Claims. (Cl. 173—259)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



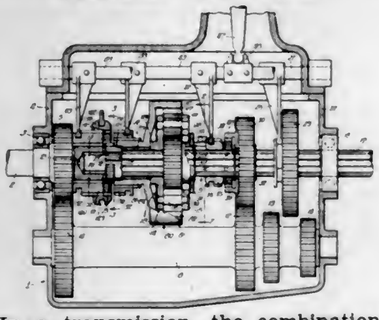
3. A wire securing device comprising a terminal post projecting from a substantially flat base member, a substantially flat wire clamping means mounted on said terminal post substantially parallel with said base member whereby a plurality of wires of substantially uniform diameter may be clamped with substantially equal pressure, said clamping means also being mounted rotatably with respect to said base member and variably spaced from said base member to afford a rotation of the clamping means before operating to clamp wires, said clamping means having a non-axial non-circular aperture to receive a tool, a non-circular non-rotatable wire engaging tool mounted in and projecting from said aperture whereby wires transversely adjacent said terminal post may be engaged by the projecting portion of said tool and bent about said terminal post upon the application of torque to said tool, and means for varying the space between said clamping means and base member to clamp wires bent about said terminal post.

2,138,027
INTERNAL COMBUSTION ENGINE
John L. Doll and Clifford W. Rogers, Detroit, Mich., assignors to Syncro Devices, Incorporated, Detroit, Mich., a corporation of Michigan
Application July 6, 1937, Serial No. 152,036
8 Claims. (Cl. 123—195)



1. An internal combustion engine comprising a crank shaft, a crank case, a fuel tank, a crank shaft bearing, a head carrying such bearing, and a common means for securing the fuel tank and head to the crank case.

2,138,028
TRANSMISSION
Delmar D. Dooley, Rock Island, Ill., assignor of one-fourth to Clarence H. Dooley, Rock Island, Ill., one-fourth to H. Keith Dooley, Los Angeles, Calif., and one-fourth to Herbert C. Snow, Auburn, Ind.
Application April 6, 1936, Serial No. 72,873
28 Claims. (Cl. 74—328)

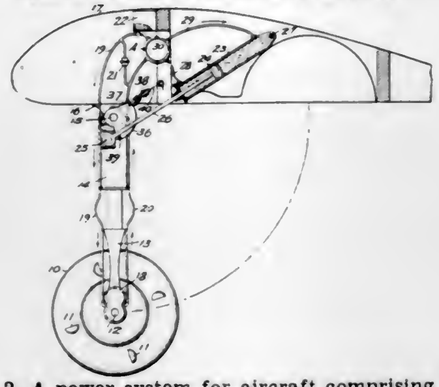


1. In a transmission, the combination of a driving shaft, a driven shaft, manually shiftable jaw clutch means movable in one direction for directly connecting said shafts together to establish a silent cruising speed in direct, an epicyclic gear unit adapted to connect said shafts to establish a second silent cruising speed at a different ratio, and manually shiftable jaw clutch means movable relatively to and in the opposite direction from said first clutch means for completing the drive through said epicyclic gear unit.

2,138,029
BAKING POWDER
Augustus H. Fiske, Warren, R. I., assignor to Rumford Chemical Works, Rumford, R. I., a corporation of Rhode Island
No Drawing. Application June 3, 1937, Serial No. 146,204
9 Claims. (Cl. 99—95)

1. A baking powder comprising bicarbonate of soda and acid calcium tetraphosphate in intimate admixture.

2,138,030
MEANS FOR ACTUATING AN AIRPLANE RETRACTABLE LANDING GEAR
Robert K. Giovannoli, deceased, late of Lexington, Ky., by Harry Giovannoli, executor, Lexington, Ky.
Application November 10, 1937, Serial No. 173,844
10 Claims. (Cl. 244—102)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

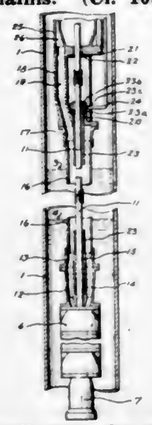


2. A power system for aircraft comprising the combination with the wheel of an airplane landing gear of means responsive to aerodynamic forces exerted thereon for rotating the wheel while the aircraft is in flight, and a motor connected with and actuated by the rotation of the wheel.

2,138,031
AMINO ALCOHOL ACRYLATES
George D. Graves, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 25, 1935, Serial No. 42,054. In Germany June 18, 1935
7 Claims. (Cl. 260—2)

1. Polymeric beta-diethylaminoethyl acrylate.

2,138,032
SEMISUBMERSIBLE MOTOR PUMP
Aladar Hollander, Berkeley, Calif., assignor to Byron Jackson Co., Huntington Park, Calif., a corporation of Delaware
Application April 5, 1937, Serial No. 135,059
5 Claims. (Cl. 103—87)



1. In a deep well pump for wells having a substantial draw-down, a discharge column extending from the top of the well to a point adjacent but above the maximum normal fluid level in the well, a casing suspended from said discharge column and in open communication therewith, a housing containing an electric motor mounted in said casing in spaced relation to the walls thereof and in fluid tight relation thereto and adapted to be cooled by the fluid passing through said casing, said housing being located in fixed position above said maximum normal fluid level and the interior thereof being in communication with the air space in the well, a second discharge column suspended from said casing and in open communication therewith, said second column being of a length greater than the draw-down of the well, a rotary pump supported from said second discharge column and having its suction inlet positioned below the lowest normal fluid level in the well, and a shaft connecting said pump and said motor.

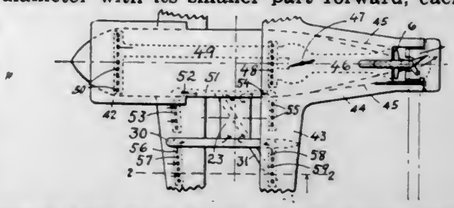
2,138,033
TENT POLE
Marion Garrett Hale, Mineral Wells, Tex.
Application April 19, 1938, Serial No. 202,973
1 Claim. (Cl. 135—15)



A tent pole comprising a base, a lower tubular member having its lower end connected with the base and said lower member having a longitudinally extending slot therein, a stop pin passing through the lower member and located in a plane slightly above the plane of the bottom wall of the slot, an upper member slidably arranged in the lower member and having its lower end resting on the pin when the upper member is in fully lowered position, a projection at the upper end of the lower member, a pulley block carried by the projection, a second pulley block having a hook thereon for engaging the lower end of the upper member when said hook is passed through the slot, a cable passing around the pulleys of the blocks and tent engaging means at the other end of the upper member.

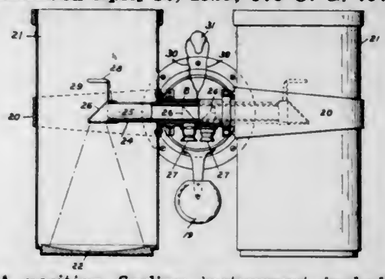
2,138,034
PROPELLING MECHANISM FOR AIRCRAFT AND VEHICLES
Herbert Ellwood Irwin, Barons, Alberta, Canada
Application May 23, 1934, Serial No. 727,126
20 Claims. (Cl. 244—4)

1. Propulsion mechanism for conveyance having a source of power, comprising air scoops, air propeller blades and cowling, said air scoops attached to said air propeller blades and driven by said source of power, said cowling attached to the conveyance surrounding said air scoops and the said air propeller blades, said cowling consisting of walls positioned with respect to the conveyance body to have leading and trailing portions, the leading wall portion shaped like a funnel of large diameter with its smaller part backwards, the trailing wall portion shaped like a funnel of large diameter with its smaller part forward, each of



the smaller parts of the cowling join together in a rigid manner, said air scoops forward ends positioned adjacent to the leading edge of the cowling and their rearward ends positioned adjacent to the smaller part of the cowling, said air scoops possess an angle of attack, to move air when rotated away from the leading inner portion of the cowling while at the same time the air propeller blades move the air volume within the cowling backwards for the purpose set forth.

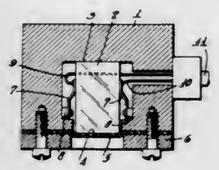
2,138,035
POSITION FINDING INSTRUMENT
James C. Karnes, Buffalo, N. Y.
Application January 28, 1938, Serial No. 187,437
4 Claims. (Cl. 88—2.6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A position finding instrument including a support, a carriage rotatably mounted on the support, a hollow trunnion rotatably mounted on the carriage, a pair of casings carried by the trunnion and having an open end and a closed end, a reflector in the closed end of each casing, a stereoscopic range finder passing through the hollow trunnion and movable therewith, said range finder extending into the casings and including prisms positioned on the axis of the reflectors, a microphone in each casing positioned on the axis of the reflector, wiring leading from the microphones, a headset on the wiring, means for traversing the carriage and means for elevating the trunnion.

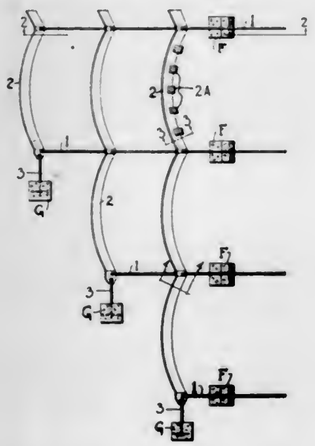
4. A position finding instrument including a support, a carriage rotatably mounted on the support, a hollow trunnion rotatably mounted on the carriage, a pair of casings carried by the trunnion and having an open end and a closed end, a reflector in the closed end of the casing, a binocular optical instrument passing through the hollow trunnion and movable therewith, said optical instrument extending into the casings and including prisms positioned on the axis of the reflectors, means for traversing the carriage, and means for elevating the trunnions.

2,138,036
COMPRESSIONAL WAVE SENDER OR RECEIVER
Willy Kunze, Bremen, Germany, assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine
Application September 9, 1933, Serial No. 688,770
In Germany December 24, 1932
3 Claims. (Cl. 177—386)



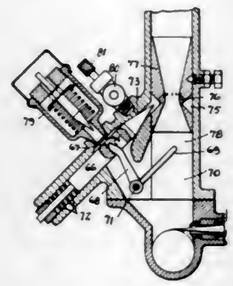
3. A compressional wave submarine sender or receiver comprising a casing having a heavy back wall and heavy sides and open at one end, a Rochelle-salt piezoelectric crystal substantially filling the interior of the casing and supported against the back thereof, said crystal having its compressional axes normal to the casing and extending substantially to the end surfaces of the sides thereof, a thin yielding diaphragm covering the open end of said casing and means clamping said diaphragm in position, said clamping means extending substantially to the edges of the inner wall of said opening.

2,138,037
EARTH RETAINER
Orley B. Lane, Washington, D. C.
Application December 29, 1937, Serial No. 182,273
13 Claims. (Cl. 61—35)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A retainer for earthen embankments of the class employing a pair of substantially parallel elongated supporting members spaced transversely of the embankment and anchored at their upper ends, the combination with said supporting members of a curved earth check acting in tension as distinguished from beam action for opposing active pressures of said embankments, said earth check being connected to and extending from one of said supports to the other.

2,138,038
CHARGE FORMING DEVICE
Courtney N. Mitchell, Berea, Ohio
Application October 21, 1927, Serial No. 227,692
Renewed May 5, 1934
4 Claims. (Cl. 123—127)



1. In combination with an internal combustion engine including an intake valve, an intake manifold, and a carburetor, a connection between said manifold and said carburetor, automatically actuated means for admitting auxiliary air to said connection, manually actuated means for admitting auxiliary air to said connection, and manually actuated means for admitting additional fuel to said connection.

2,138,039
TREATMENT AND PACKAGING OF ETHER
Ferdinand W. Nitardy, Brooklyn, N. Y., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Original application July 1, 1932, Serial No. 620,427. Divided and this application July 11, 1936, Serial No. 90,187
6 Claims. (Cl. 23—250)

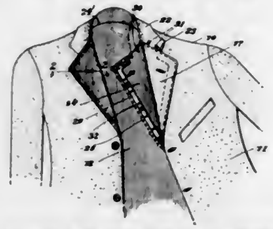
1. The process that comprises contacting ether anaerically with an ether-insoluble, nontoxic ferrous, compound in such amount and condition as to present peroxide formation but not to contaminate the ether materially.

2,138,040
BIRD BAND
Joseph Perry, St. Louis, Mich.
Application April 9, 1937, Serial No. 135,995
1 Claim. (Cl. 119—156)



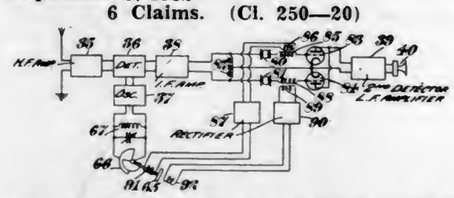
A device of the character described comprising a band of flexible metal adapted to be bent into end to end overlapping relation and having formed therein centrally thereof a container portion for receiving a medicated medium, a flap extending from said portion to be bent down over the container portion to close the same, and means on one end of said band for connecting the other thereto in said relation comprising a pair of edge tabs adapted to be crimped over the edges of the other end, said container portion and flap being apertured, respectively, for the escape of fumes emanating from said medicated medium.

2,138,041
GARMENT
Gerald Harlan Preston, North Linthicum, Md., assignor of twenty-four per cent to Harry Waidner Allers and John Andrews Cochran, as joint owners, and twenty-five per cent to A. Nelson Anderson, all of Baltimore, Md.
Application August 14, 1936, Serial No. 96,078
12 Claims. (Cl. 2—93)



1. In a reversible coat having faces of different material, a lapel portion for each face of said coat, one of said lapel portions being faced with the same material of which it is formed, fastening elements disposed between the plies of said last mentioned lapel portion adjacent the edge thereof, and fastening elements carried by the other lapel portion for engagement with said first mentioned fastening elements for detachably securing the edges of said lapel portions together.

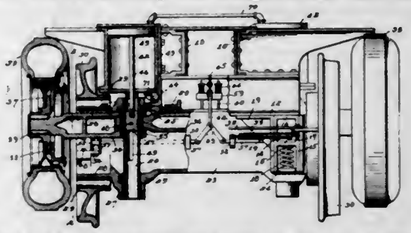
2,138,042
SELECTIVE RECEIVER FOR WAVE SIGNALS
James Robinson, London, England, assignor to British Radiostat Corporation, Limited, London, England, a corporation of Canada
Application September 5, 1933, Serial No. 688,198. Renewed November 24, 1937. In Great Britain September 9, 1932
6 Claims. (Cl. 250—20)



3. In a radio receiver of the superheterodyne type having a local oscillator producing oscillations which are combined with incoming modulated carrier wave signals to produce signals of an intermediate frequency, the combination of intermediate frequency signal selective means comprising two resonant circuits tuned to frequencies one higher and the other lower than the intermediate frequency, means combining at such intermediate frequency the outputs of said circuits and for reproducing the signals, and means responsive to variation of the relative output of said resonant circuits for altering the characteristics of the receiver to the extent required to compensate for variation of the carrier frequency of the incoming signals.

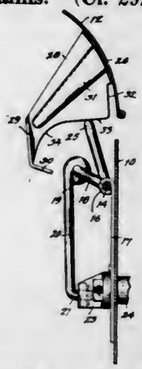
2,138,043
ROAD AND RAILWAY CAR
George T. Ronk, Lanark, Ill.
Application January 23, 1935, Serial No. 3,163
13 Claims. (Cl. 105—215)

1. In a road and railway car, the combination of a car frame; pedestals projecting downwardly from said frame; an axle housing mounted in said pedestals to slide vertically and longitudinally of said housing; means for limiting the longitudinal movement of said housing; yieldable means for retarding the longitudinal movement



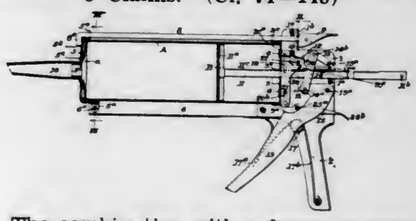
of said axle housing relative to said pedestals; an axle within said housing; and means carried by said housing for elevating and lowering said axle relative thereto.

2,138,044
HOOD CATCH AND BRACKET THEREFOR
Frank P. Sargent, Detroit, Mich., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application March 7, 1936, Serial No. 67,616
3 Claims. (Cl. 292—340)



3. A hood catch keeper bracket, adapted to be secured to a hood section in relation to be engaged by catch means having downward securing movement and upward releasing movement, comprising a keeper portion adapted to be engaged at its upper side by said catch means upon downward securing movement to secure the hood section in closed position and a cam portion adapted to be engaged by said catch means upon upward releasing movement to raise the hood section upwardly.

2,138,045
RATCHET MECHANISM
Fred B. Seeberger, Yeadon, Pa., assignor to Pecora Paint Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 6, 1936, Serial No. 88,970
8 Claims. (Cl. 74—148)



1. The combination with a frame support and

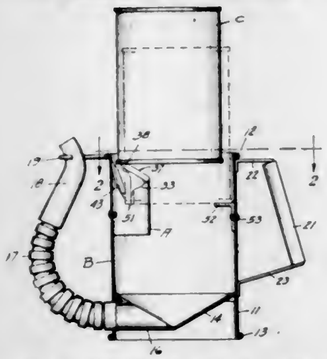
a toothed rod mounted for longitudinal movement with respect to said frame support, of a toothed power-applying member in operative engagement with said toothed rod and longitudinally movable with respect to the same, a plurality of toggle links pivotally connected at a common point; one of said links being connected to the power-applying member, a second having connection with actuating means therefor and a third pivotally anchored in said frame support, and a trigger pivotally mounted in said frame support for operating said toggle links.

2,138,046

LIQUID DISPENSING DEVICE

Russell C. Taylor, Greenwich, Conn., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application April 29, 1937, Serial No. 139,799
8 Claims. (Cl. 221—23)



1. A liquid dispensing device, comprising in combination, a dispenser adapted to receive a sealed receptacle containing a liquid to be dispensed and also adapted to receive and hold the liquid from said receptacle, and a stationary cutter secured to an inside wall of said dispenser and having a cutting edge for cutting into the bottom of said receptacle and for substantially simultaneously cutting into an adjacent side wall thereof when the receptacle is inserted into the dispenser and forced down on said stationary cutter to provide an opening in the bottom wall through which the liquid flows into the said dispenser and to mutilate the adjacent side wall of the receptacle so that the latter cannot be used again as a container for liquids.

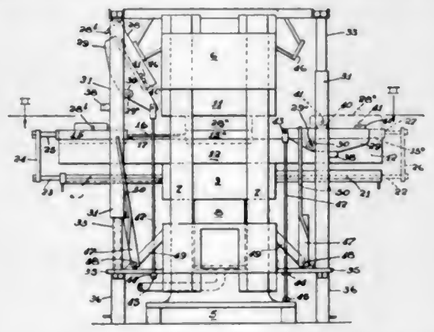
2,138,047

PRESS FOR MOLDING ARTICLES

Russell J. Turner, Butler, Pa., assignor to Acme Protection Equipment Company, a corporation of Pennsylvania

Application July 14, 1937, Serial No. 153,510
5 Claims. (Cl. 18—17)

4. In combination in a press, a pair of opposing presser members one above the other, one of which is fixed and the other movable toward and from the fixed member, power means for operating the movable member, horizontal guide means fixed with respect to the lower member lying transversely of the member on one side thereof, a mold mounted on the guide means for sliding movement and adapted in one position to lie between the presser members and in another position to lie to one side of such members, such mold consisting of a body portion which engages the guide means and a lid which is free from the body portion so that the mold may be opened by moving the lid bodily in a vertical direction, and operating means for lifting the lid comprising a frame to which are pivoted a pair of arms adapted to engage the lid when the mold is in out position, such frame being provided with abutments for limiting the arms from swinging about their pivots to a position below the horizontal, power



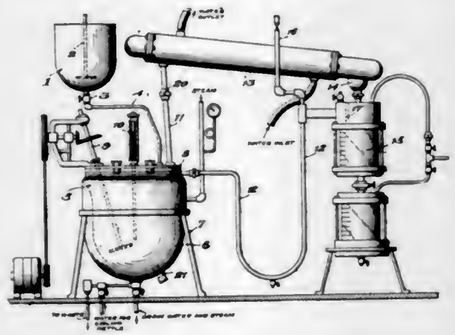
means for moving the frame upward, so that the arms lift the lid from the body of the mold, and lost motion stop means for the arms which limit the upward movement of the arms on one side of their pivots, so that after such stop means become effective, the further upward movement of the frame tilts the arms and the lid carried thereby.

2,138,048

MAKING DRY, FREE-RUNNING PIGMENT POWDERS

Vincent Vesce, Forest Hills, Long Island, N. Y., assignor to Harmon Color Works, Inc., Brooklyn, N. Y., a corporation of New York

Application March 4, 1935, Serial No. 9,325
11 Claims. (Cl. 134—58)



1. The process of converting wet pigment press cakes and pastes into dry, free running, dehydrated powders without sacrifice of pigmentary value, which comprises admixing the wet material with enough water to make a free flowing, uniform aqueous suspension carrying isolated pigment particles, gradually passing the suspension as a fine stream into an agitated body of a hot volatile liquid of a type having substantially no solvent action on the pigment and being immiscible with water and capable of forming an azeotropic vapor mixture with water, the proportion of water to immiscible liquid being maintained small, continuously removing the water by azeotropic distillation and isolating the dehydrated pulverulent material thus produced.

2,138,049

DRYING PIGMENTS

Vincent C. Vesce, New York, N. Y., assignor to Harmon Color Works, Inc., Brooklyn, N. Y., a corporation of New York

No Drawing. Application January 21, 1937, Serial No. 121,664
7 Claims. (Cl. 134—58)

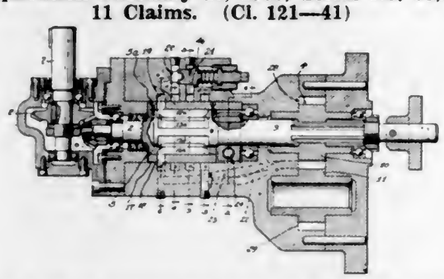
1. A method of drying wet pigment pastes and press cakes to fine, uniform, non-caking preparations which comprises admixing the paste or press cake with the amount of water required to produce a smooth slurry, adding to the slurry a volatile organic water-immiscible liquid inert to the pigment, in amount sufficient to obviate formation of lumps in a subsequent drying step, but in amount less than would cause shedding of the pigment upon incorporation of said organic liquid in said slurry, emulsifying the organic liquid in said slurry to produce a homogeneous suspension, and exposing said suspension to heat in thin layers under drying conditions, the heating temperature being below that at which boiling occurs, whereby the water and immiscible liquid are successively removed yielding a dried fine pulveriform non-caking pigment preparation with particles of substantially the same degree of brilliancy and fine state of subdivision as in the original press cake or paste.

2,138,050

HYDRAULIC POWER TRANSMISSION AND CONTROL

Harry F. Vickers, Detroit, Mich.

Application February 17, 1936, Serial No. 64,267
11 Claims. (Cl. 121—41)



1. A valve including a housing, a pair of nested cylindrical elements capable of limited relative rotation, the outer element having longitudinal slots in its inner surface, the inner element having longitudinal grooves in its outer surface, one of said elements also having ports through its wall communicating with certain of said grooves, said ports and grooves forming a plurality of conduits from the exterior of the outer element to the exterior of the inner element, the cross sections of said conduits being variable by alteration of the angular relation between said elements, and a plurality of annular conduits in said housing and positioned intermediate the ends of said slots and grooves and registering with said ports.

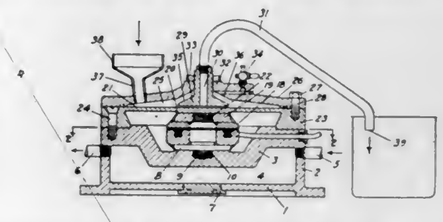
2,138,051

MEANS FOR TREATING LIQUIDS

Robert Longfellow Williams, Newton, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine

Application June 2, 1933, Serial No. 674,020
18 Claims. (Cl. 99—234)

1. A device for treating liquids comprising a sonic oscillator having a sound radiating diaphragm and electromagnetic means contained therein for operating the same, means forming a chamber with the diaphragm as one side, said means including a plate positioned close to the diaphragm, means for feeding the liquid to the chamber at points of small vibration of the



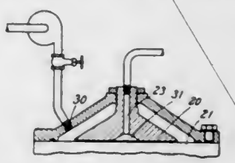
diaphragm and means for withdrawing the liquid after it has passed over the points of great vibration of the diaphragm, said plate and diaphragm forming at its greatest point of vibration a narrow channel through which said liquid flows.

2,138,052

LIQUID TREATING APPARATUS

Robert Longfellow Williams, Newton, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine

Application April 23, 1934, Serial No. 721,867
2 Claims. (Cl. 99—234)



1. An apparatus for destroying bacteria contained in a liquid by means of compressional wave vibrations comprising, in combination, an oscillator having a vibratory surface of an area comparable in surface dimensions to the wave length in the liquid passing over the surface vibrated, means positioned, opposed and in face to face relation with said vibratory surface forming thereby a flat surface, the space between the vibratory surface and the opposing surface being 5/1000ths of an inch forming thereby a very thin channel between the surfaces, means for conducting a liquid through said channel from the outer edges of the same and means for withdrawing the same at the center of the said upper surface whereby high differential pressures are obtained within the channel by the vibrations of the surfaces thereof.

2,138,053

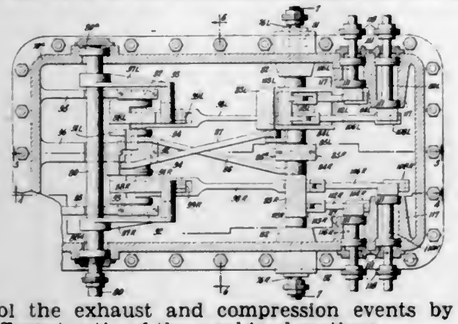
VALVE MOTION MECHANISM FOR LOCOMOTIVE ENGINES

William E. Woodard, Forest Hills, N. Y.

Application January 21, 1937, Serial No. 121,398
22 Claims. (Cl. 121—116)

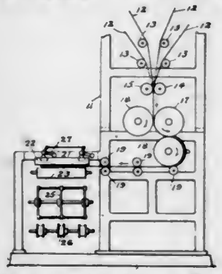
1. In a locomotive engine or the like having a pair of cylinders and driven parts actuated by steam delivered to the cylinders; separately operating steam and exhaust valve means for each cylinder; and, for the valve means of each cylinder, valve motion mechanism actuated by and combining the motion of a plurality of driven parts moving in different phase relation and having driving connections to the steam valve means and to the exhaust valve means constructed to

control the steam admission and cut-off events by one ratio of the combined motions and to con-



trol the exhaust and compression events by a different ratio of the combined motions.

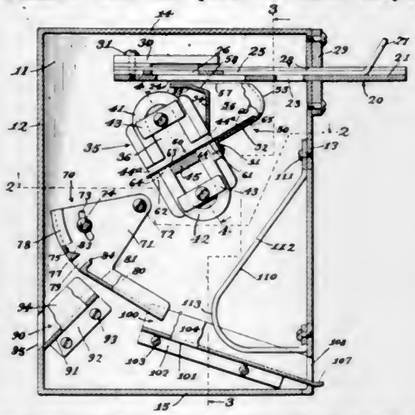
2,138,054
FOLDING MECHANISM FOR PRINTING MACHINES
Adolph M. Zuckerman, New York, N. Y., assignor to R. Hoe & Co. Inc., New York, N. Y., a corporation of New York
Application May 7, 1936, Serial No. 78,323
15 Claims. (Cl. 270—47)



1. In a folding mechanism, a first cylinder having provision for mounting a plurality of web cutting knives thereof, a second cylinder having sheet collecting pin points each adapted to be made inoperative and arranged to correspond with the knives mounted on said first cylinder, each being adapted to remove sheets cut by the corresponding knife, mounted on said first cylinder, a sheet tucking blade adapted to be made inoperative on said second cylinder, and a third cylinder having a sheet gripping jaw adapted to be made inoperative for cooperation with said tucking blade when the latter is operative, and sheet transferring pin points corresponding to pin points on said second cylinder, whereby sheets cut from the web by one of said cutting knives may be either collected by a pin point on said second cylinder, engaged and folded by cooperation of said tucking blade thereon and the jaw on said third cylinder, or cut from the web by others of said knives, collected by others of the pin points on said second cylinder, and transferred therefrom by the pin points on said third cylinder.

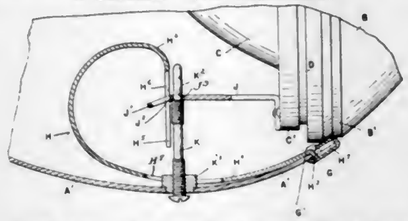
2,138,055
SLUG ELIMINATOR FOR VENDING MACHINES
Arthur C. Smith, San Bernardino, Calif., assignor of one-sixth to Ruth E. White, San Francisco, Calif.
Application April 22, 1936, Serial No. 75,738
15 Claims. (Cl. 194—101)

1. In a slug eliminator, a coin chute having a sloping metal friction plate for sliding coins on one side, a U shaped magnet having its two poles positioned in the line of travel of a coin and means positioned below the lower end of the friction plate to separate coins and slugs in accordance with the path of their trajectory



after leaving the friction plate, the friction plate and the magnet being rotatably mounted on a horizontal pivot having its axis aligning with the friction plate between the poles of the magnet to change the inclination of the plate and the poles of the magnet.

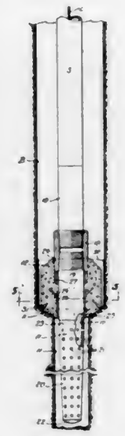
2,138,056
LAMP CONSTRUCTION
Charles W. Anklam, Detroit, Mich., assignor to C. M. Hall Lamp Company, Detroit, Mich., a corporation of Michigan
Application December 21, 1936, Serial No. 117,051
8 Claims. (Cl. 240—41.5)



1. In a lamp, the combination with a lens and a housing having a forwardly tapering portion open at its forward end for the insertion of said lens and having a marginal portion surrounding said opening against which said lens is seated, of means for holding said lens to its seat including a plurality of radially inwardly extending spaced brackets having portions bearing against the inner face of the forwardly tapering portion of said housing and having a hooked engagement with the marginal portion thereof, and a finishing band surrounding the marginal portion of said housing retaining and concealing the hooked engagement of said brackets.

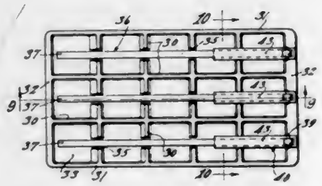
2,138,057
METHOD AND APPARATUS FOR TESTING WELLS
Arthur L. Armentrout, Santa Maria, and Elwin B. Hall, Los Angeles, Calif., assignors, by mesne assignments, to Security Engineering Co., Inc., Whittier, Calif., a corporation of California
Application December 11, 1935, Serial No. 53,922
23 Claims. (Cl. 166—1)

1. The method of testing the formation in a well comprising the positioning of a perforated liner in the well carrying a drillable packing means by lowering the same into the well on a test string, allowing the test fluid to enter the perforated liner directly from the well, removing the



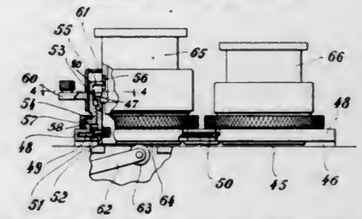
test fluid from the liner and test string, removing the string from the well to withdraw the said liner leaving the packing means in the well, and then drilling up the packing means remaining in the well to leave the well clear for further operations.

2,138,058
ICE TRAY
Charles A. Bauer, Springfield, Mass., assignor to The Cardinal Corporation, Evansville, Ind., a corporation of Indiana
Application May 1, 1935, Serial No. 19,219
5 Claims. (Cl. 62—108.5)



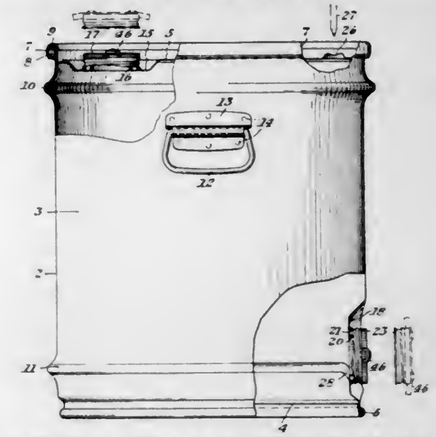
1. A device for freezing a plurality of ice blocks which comprises a rigid tray provided with rigid partitions dividing the tray into a plurality of compartments, all of said partitions forming a permanent and inseparable part of the tray, at least a portion of said partitions being provided with notches to provide communication between each compartment and at least one adjacent compartment, whereby the ice blocks frozen in the compartments are connected together in a unitary assembly by webs of ice formed in the notches, and a rigid member positioned to underlie a portion of said block assembly, said member including a portion extending exteriorly of the tray by which said member can be moved to raise the overlying portion of the ice block assembly with respect to the tray, said notches being of such size that the ice webs formed therein have sufficient strength so that the entire assembly is raised as a unit by the upward movement of said member.

2,138,059
PHOTOGRAPHIC CAMERA
Helmut Becker, Wetzlar, Germany, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany
Application December 20, 1935, Serial No. 55,360
In Germany December 22, 1934
2 Claims. (Cl. 95—44)



1. In a photographic camera including a range finder having an operating arm, a plurality of removable objective units, each unit comprising an objective carrier and an objective in threaded engagement with said carrier together with means for rotating the objective in the carrier for focusing purposes; a movable support carrying the objectives secured to the camera for selectively placing any one of the said objective units in photographing position on the camera and in operative relation to said range finder operating arm, gears on said movable support for simultaneously focusing all the objectives in said units when the latter are secured to the movable support, means for detachably coupling the objective units to the movable support, said coupling means comprising for each unit a clamping ring for nonrotatably securing the objective carrier to the movable support and for placing the inner end of the objective in said carrier in contacting operative engagement with the said range finder operating arm and cooperating means on the objective and its focusing gear on the movable support for detachably operatively connecting the objective to the gear.

2,138,060
CONTAINER AND DISPENSING DEVICE THEREFOR
Guy O. Conner, Wheeling, W. Va., assignor to Wheeling Steel Corporation, Wheeling, W. Va., a corporation of Delaware
Application July 1, 1936, Serial No. 88,377
1 Claim. (Cl. 221—23)



A container having a generally cylindrical body portion having an inward depression and provided with a dispensing opening within such depression, the container having an outwardly

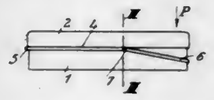
drawn strengthening or rolling ring extending substantially therearound at the zone of said depression whereby to strengthen the container adjacent the depression and provide for rolling the same despite the presence of said depression, said ring intersecting the depression and being interrupted thereat.

2,138,061

SHEET METAL CONTAINER

Albert Friedinger, Furstenfeldbruck, Germany

Application October 29, 1934, Serial No. 750,467
In Germany November 2, 1933
1 Claim. (Cl. 220—43)



In a sheet metal container of the character described, a cylindrical container body having a bottom and an upstanding peripheral wall, said wall having a bead extending outwardly therefrom and spaced below the top of the wall, said bead extending parallel to the top of the wall for a distance greater than one-half the circumference of the body and then extending downwardly for the remainder of the circumference of the body, the junctions of the parallel and downwardly extending portions of the beads forming fulcra, the wall above the downwardly extending portion of the bead being curved vertically substantially concentric to a line passing through said fulcra and the opposite portion of the wall being vertically curved inward from the bead upwardly, the bead at the fulcra having its upper surface disposed at right angles to the wall and forming a sharp angle therewith, and a lid having a depending wall portion fitted on the body to have a portion of its lower edge rest on the first mentioned portion of the bead, the wall portion of the cap being perpendicularly disposed with reference to the upper surface of the bead at the fulcra, whereby the lower edge of the lid is spaced normally from the downwardly inclined portion of the bead and whereby downward pressure on the lid at a point above the downwardly inclined portion will tilt the lid on said fulcra without spreading the portions of the wall resting on the fulcra laterally.

2,138,062

PREPARATION OR TREATMENT OF CEREAL FLOUR

Harry Hewitt, Manchester, England, assignor to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware

No Drawing. Application February 10, 1938, Serial No. 189,781. In Great Britain January 7, 1930
7 Claims. (Cl. 99—232)

1. A process for the treatment of cereal flour with a bleaching agent, which comprises extracting a vegetable material belonging to the group consisting of soya beans, haricot beans, peas and lentils with water in the ratio of about 1 part of bean material to about 5 to 10 parts of water, obtaining thereby an extract substantially clear and free from solid material, and incorporating the extract so obtained with flour in an amount ranging from about 5 to about 15% of the weight of the flour, said percentage varying directly in accordance with the quantity of water utilized in preparing the extract.

2,138,063

SAFETY RAZOR

Paul Hotson, Acme, Alberta, Canada, and John H. Hotson, Woodside, Long Island, N. Y.; Arthur Reid Hotson, executor of said Paul Hotson, deceased

Application March 1, 1935, Serial No. 8,790
6 Claims. (Cl. 30—73)



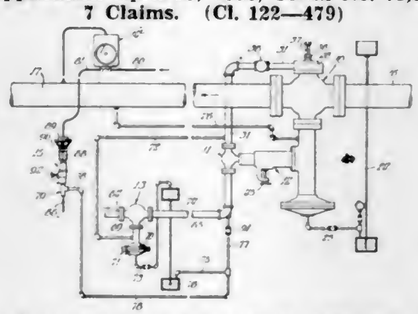
2. In a safety razor, the combination with a guard, and a cap provided with a tapering longitudinal ridge parallel with and near its edge; of a blade adapted to be held between said guard and cap, said blade having a tapering longitudinal crimp parallel with and near its edge; said crimp being adapted when said blade is inserted between said cap and guard to receive the ridge on said cap, whereby said cap may be held snugly against said blade throughout its entire width and said crimp being also adapted when said blade is inserted between a plain cap and guard having non-clearance edges to create a clearance between the blade edge and the guard, and when said blade is inserted between a cap and guard having axial clearance to lie snugly within said clearance.

2,138,064

COMBINATION REDUCING VALVE AND DE-SUPERHEATER

Kenneth B. Howell, Milwaukee, Wis.

Application April 18, 1936, Serial No. 75,098
7 Claims. (Cl. 122—479)



1. A system of the character described comprising a steam supply conduit, a valve for regulating the rate of flow of steam in said conduit, means for injecting water into said steam in said conduit, means respective to changes in rate of flow of steam through said conduit for varying the amount of water supplied, said last named means comprising a water conduit for supplying water to said steam conduit, a control valve therein, and mechanism connecting the water control valve with the steam valve for moving the water control valve in proportion to the movements of the steam valve, said mechanism including a manually operable device for changing the ratio of water control valve movement to steam valve movement.

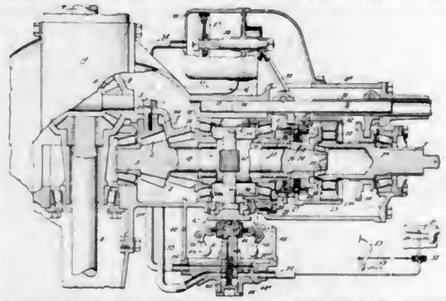
2,138,065

CHANGE SPEED GEARING

Ralph E. Layman, Howard Beach, N. Y.

Application February 14, 1934, Serial No. 711,110
13 Claims. (Cl. 74—336.5)

1. In apparatus of the class described a driving shaft, a pair of driven shafts drivably connected to one another, a clutch member secured to each of said driven shafts, a shiftable clutch member adapted to be moved into driving engagement with either of said first-named clutch members, means controlled in accordance with



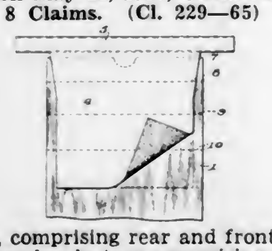
the speed of the vehicle on which the apparatus is mounted for shifting said shiftable clutch member, and one-way clutch means for drivably connecting said last-named member and said driving shaft.

2,138,066

MEANS FOR SEALING TIN-TIE BAGS

Henry I. Matchett, Philadelphia, Pa.

Application May 13, 1937, Serial No. 142,457
8 Claims. (Cl. 229—65)



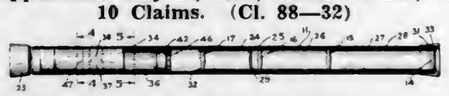
1. A bag, comprising rear and front walls, and a sealing member in turn comprising a flap having an intermediate portion secured to said rear wall, also having an initially depending free portion, and also having an upward tin-tie extension, initially projecting laterally beyond the sides of the bag, the upper portion of said flap with said tin-tie and the adjacent portions of the bag being adapted to be folded forwardly upon said forward wall, and the ends of the tin-tie then bent reversely around the opposite sides of the bag and towards each other upon the rear wall, and the depending free portion of said flap then being secured to said rear wall, so as to also secure the ends of said tin-tie thereto to seal the bag.

2,138,067

TELESCOPE SIGHT

Harold F. Mossberg, New Haven, Conn., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn., a corporation of Connecticut

Application May 18, 1937, Serial No. 143,337
10 Claims. (Cl. 88—32)



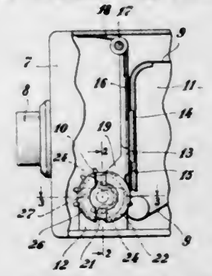
1. In a telescope sight, a tubular outer casing, an objective lens mounted within and adjacent to one end of said casing, a first tube, carrying a plurality of fixed spaced apart lenses, slidably fitting the bore of and being mounted in said casing to be slidably removable therefrom through the other end thereof, said first tube having a portion extended beyond the innermost one of said lenses carried thereby, a second tube having a sighting reticule held in each of its ends, each end of said second tube slidably fitting the bore of the extended portion of said first tube to adapt it to be readily removed therefrom and reversed end for end to adjustably dispose a selected one of said sighting reticules adjacent the innermost lens in said first tube, and to be slidably adjusted axially relatively to said first tube to focus the selected reticule with the lenses in said first tube, and to connect said second tube within said first tube to be slidably removed from said casing with the first tube for the aforesaid adjustments.

2,138,068

FILM OPERATING MECHANISM FOR CAMERAS

Hans Mulch, Wetzlar-Niedergirmes, Germany, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany

Application November 17, 1936, Serial No. 111,198
In Germany November 23, 1935
4 Claims. (Cl. 95—31)



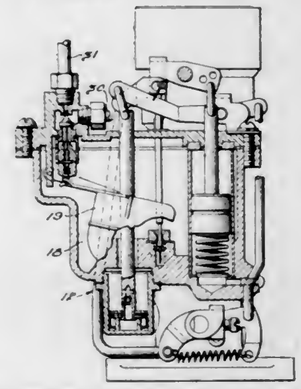
1. A film operating mechanism for cameras comprising a fixed and a movable member for holding the film between them during exposures of the film, a roller for moving the film between exposures thereof, a wheel for actuating the roller, a capping device connected to the movable member to move the same to release the film, said capping device enclosing the said wheel to prevent normal operation thereof before the film has been released.

2,138,069

FUEL FEED SYSTEM FOR INTERNAL COMBUSTION ENGINES

Andrew J. Nicholas, Springfield, Mass., assignor to Arthur M. Smith, trustee, Detroit, Mich.

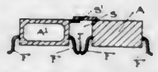
Application August 31, 1937, Serial No. 161,822
6 Claims. (Cl. 123—119)



1. In an internal combustion engine having an intake manifold, a fuel supply reservoir, a carburetor including a float chamber, a float in said

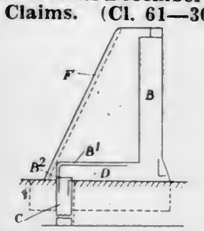
chamber and a valve operated thereby, a fuel pump, a suction conduit connecting the suction side of said pump with said reservoir and a delivery conduit connecting the delivery side of the pump with the float chamber for delivering the fuel thereinto, said valve adapted to interrupt said delivery conduit when the fuel in the float chamber rises above a predetermined level, a bypass conduit connecting said delivery conduit with the engine manifold; and valve means actuated by said float and adapted to provide a direct communication between said delivery and said bypass conduits when the liquid fuel in said chamber falls below a predetermined level and interrupting at the same time the communication between the delivery conduit and the float chamber.

2,138,070
DAM CONSTRUCTION
Edgar Harrison Parkinson, Thomas Edward Gardner, and Wyndham Theodore Vint, Bradford, England
Application November 24, 1936, Serial No. 112,486
In Great Britain December 3, 1935
4 Claims. (Cl. 61—30)



1. In a dam construction, a series of laterally aligned and spaced dam sections, flexible lips extending upstream from the adjacent lateral portions of the dam sections, said lips extending vertically of the sections and having proximal upstream edges, and a sealing medium interposed between said proximal edges.

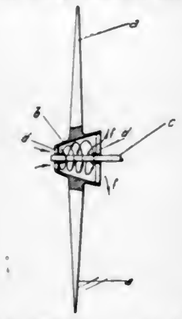
2,138,071
DAM
Edgar Harrison Parkinson, Thomas Edward Gardner, and Wyndham Theodore Vint, Bradford, England
Application November 24, 1936, Serial No. 112,487
In Great Britain December 3, 1935
6 Claims. (Cl. 61—30)



1. A dam structure including a downstream vertical wall, an upstream vertical wall, tension members connecting said walls, and a dam foot extending upstream from the bottom of the downstream wall, said upstream wall having openings therein to permit water to enter the space between said walls thereby to subject the dam foot to downward water pressure between the walls.

2,138,072
PROPELLER AND LIKE ROTARY MEMBER
Eugène Camille Saint-Jacques, Paris, France
Application June 8, 1935, Serial No. 25,605
In France June 16, 1934
2 Claims. (Cl. 170—172)

1. In a propeller, a hollow hub having therethrough a space of the form of a truncated cone coaxial with the axis of rotation of the propeller, the small base of said cone being disposed towards the front of the propeller and the large base towards the rear, blades mounted at their inner terminals on said hub, means inside the space and coaxial therewith for mounting the propeller on a shaft, and spokes at both front and rear of the hub having longitudinal dimensions less than

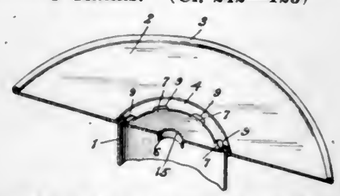


the longitudinal dimension of the hub connecting said mounting with the hub, said spokes being curved inwardly to facilitate the circulation of the fluid through which the propeller moves from the small end of the cone through to the large end, the blades having a large area of sweep in comparison to the area of the sweep of the hub.

2,138,073
PROCESS FOR CONCENTRATING OR ENRICHING RUBBER LATEX
Otto Eduard Schweitzer, Hochst-on-the-Main, Germany, assignor, by mesne assignments, to Revertex Limited, London, England, a corporation of England
No Drawing. Application August 25, 1934, Serial No. 741,523. In Germany September 4, 1933
14 Claims. (Cl. 18—50)

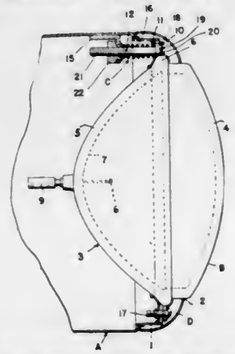
1. A process for enriching rubber latex, which comprises treating said rubber latex with alkali salts of polyacrylic acids and thereupon creaming by exposing it to the influence of gravity until two layers are formed in the liquid, the upper layer being richer in rubber than the original latex.

2,138,074
SPOOL
David A. Sprigings, Bloomfield, N. J., assignor to Standard Container, Inc., Bloomfield, N. J., a corporation of New Jersey
Application August 6, 1938, Serial No. 223,469
3 Claims. (Cl. 242—123)



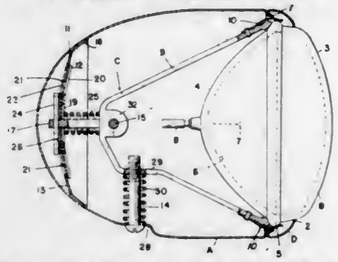
1. A metal spool or reel having a cylindrical core or hub portion and disc-shaped ends, each of said ends having a channel-like recess in its inner face into which an end of the core extends, lugs forced out of the body of the disc-shaped end and projecting into said recess, the free ends of said lugs being directed toward the periphery of the disc-shaped end in which said lugs are formed, the end of the core extending into the recess being confined thereby on the inner face of the disc-shaped end and being laterally curled to conform to the inner surface of the recess and confined between the face of the recess and the lugs, the direction of curl of the end of the core being continuous toward the center of the core.

2,138,075
LIGHTING UNIT MOUNTING
Arnold N. Taylor and Norbert P. Worden, Detroit, Mich., assignors to C. M. Hall Lamp Company, Detroit, Mich., a corporation of Michigan
Application February 8, 1937, Serial No. 124,765
3 Claims. (Cl. 240—41.5)



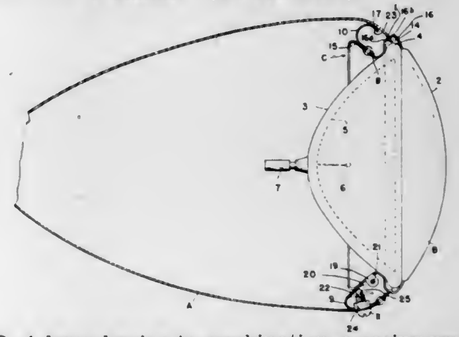
1. A lamp having a casing provided with an opening, a light unit for projecting light rays through said opening, and an adjustable connection between said unit and the side walls of said casing, including lugs fixed to said side walls, cooperating clamping rings gripping said unit, nuts fixed to said lugs, and screws threadedly engaging said nuts and having their heads between and accessible through one of said clamping rings.

2,138,076
LIGHTING UNIT MOUNTING
Arnold N. Taylor and Norbert P. Worden, Detroit, Mich., assignors to C. M. Hall Lamp Company, Detroit, Mich., a corporation of Michigan
Application February 8, 1937, Serial No. 124,766
4 Claims. (Cl. 240—41.5)



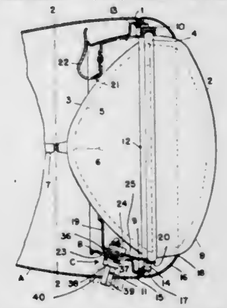
3. A lamp having a casing provided with an opening, a light unit for projecting light rays through said opening, said unit having a peripheral bead, and a mounting for said unit including an elongated casting within the casing provided at its forward end with an annular portion engaging one side of the bead of the light unit and provided at its rear end with an elongated axially extending stem for engagement with an adjustable support within the casing, spring clips carried by the annular portion of said casting and extending over and having gripping engagement with the other side of said bead to hold the latter in engagement with said annular portion, and adjusting means for said unit including screws extending transversely of said casing and threadedly engaging said casting intermediate said stem and annular portion.

2,138,077
LIGHTING UNIT MOUNTING
Arnold N. Taylor and Norbert P. Worden, Detroit, Mich., assignors to C. M. Hall Lamp Company, Detroit, Mich., a corporation of Michigan
Application February 15, 1937, Serial No. 125,847
5 Claims. (Cl. 240—41.5)



2. A lamp having in combination, a casing provided with an opening, a lighting unit in said opening, and a mounting for said unit including a holder for the unit mounted in the opening and having means engageable with the casing to limit inward movement of the unit relative to the casing, yieldable means associated with the holder and casing for holding the unit against outward displacement, and a follower for the yieldable means carried by and operable from the outside of said casing.

2,138,078
LIGHTING UNIT MOUNTING
Arnold N. Taylor and Norbert P. Worden, Detroit, Mich., assignors to C. M. Hall Lamp Company, Detroit, Mich., a corporation of Michigan
Application February 15, 1937, Serial No. 125,848
4 Claims. (Cl. 240—41.5)



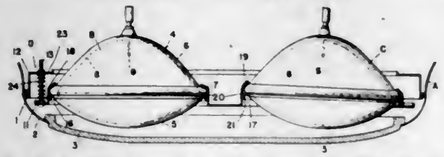
1. A lamp having a casing provided with an opening, a light unit within said casing for projecting light rays through said opening, and a mounting for said unit including a pair of substantially concentric rings within said casing, one of said rings being connected to the casing and having an elongated opening therein, the second of said rings forming a seat for and being connected to said unit, a nut fixed to the second ring, and an adjusting screw movable freely in the elongated opening and threadedly engaging said nut, said screw extending freely through another opening in said casing and being accessible and operable from the outside of said casing.

2,138,079

LIGHTING UNIT MOUNTING

Arnold N. Taylor and Norbert P. Worden, Detroit, Mich., assignors to C. M. Hall Lamp Company, Detroit, Mich., a corporation of Michigan

Application March 15, 1937, Serial No. 131,084
3 Claims. (Cl. 240—41.5)



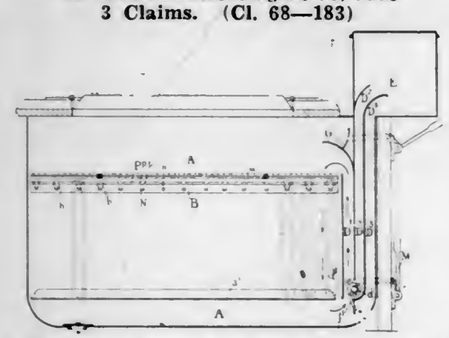
3. A lamp having a casing provided with an opening, a pair of laterally spaced light units in said casing for projecting light rays through said opening, and a common mounting for said units including a pair of cooperating frames, one being fixed to said casing, the second of said frames being substantially parallel to the first mentioned frame and having dished flanges embracing and forming seats for said units, one of said dished flanges being offset relative to the other to hold the unit carried thereby in a tilted position relative to the other unit, and an adjustable connection between said frames permitting the second frame and units carried thereby to be bodily moved relative to the first mentioned frame and casing, the construction and arrangement of said units and dished flanges being such as to preclude movement of said units relative to each other, while permitting movement in unison of both of said units as aforesaid.

2,138,080

DEVICE FOR CIRCULATING LIQUIDS AND FOR REVERSING THE DIRECTION OF FLOW THEREOF

William Alexander Tatton and Luther Sinz John Thompson, Leek, England

Application July 7, 1937, Serial No. 152,382
In Great Britain August 15, 1936
3 Claims. (Cl. 68—183)



1. A liquid container in which a reversal of circulation of the flow of liquid is required having three vertical ducts disposed at the end, the first duct extending upwards from below the level of the bottom of the material in the container to above the level of the top of the material, the second duct opening out of the first duct near the bottom thereof and extending upwards into an elevated reservoir at a higher level and the third duct extending downwards from the elevated tank to the space below the material, a perforated pipe having an air injector therein, said pipe being capable of being oscillated about its axis, located at the junction of the first and second ducts by which according to the position of the perforations steam and air issuing into the ducts will cause the liquor in the vat or tank to circulate either up the first duct over the top of the material and down through the material to the bottom or up the second duct into the elevated tank or reservoir, down the third duct to the bottom, up through the material and down the first duct.

2,138,081

PROCESS FOR THE PRODUCTION OF SPONGE RUBBER FROM AQUEOUS RUBBER DISPERSIONS

Hans Wolf, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y., a corporation of New York

No Drawing. Application May 10, 1935, Serial No. 20,893. In Germany May 17, 1934
6 Claims. (Cl. 18—53)

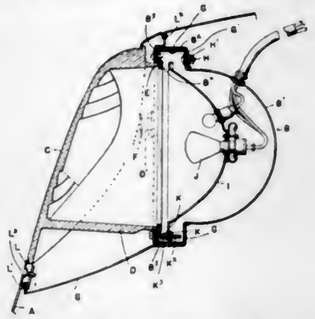
1. Process for the production of sponge rubber articles from liquid aqueous rubber dispersions which consists in adding to the dispersion an agent capable of evolving active oxygen without thickening the dispersion, converting the dispersion into a foam through evolution of oxygen bubbles and solidifying the foam.

2,138,082

VEHICLE LAMP AND MOUNTING FOR THE SAME

Norbert P. Worden, Detroit, Mich., assignor to C. M. Hall Lamp Company, Detroit, Mich., a corporation of Michigan

Application February 17, 1936, Serial No. 64,401
9 Claims. (Cl. 240—8.1)



1. The combination with a streamlined vehicle body having an opening in a front portion thereof, of a lamp within said body, a lens for said lamp within said opening forming a continuation of the streamlined surface, the dimensions of said lens being less than those of the opening to leave a surrounding aperture, light producing and projecting means within said body, means for adjusting said light producing means operable from the front through the opening surrounding said lens, and a border frame for closing said surrounding opening also forming a continuation of the streamlined surface and concealing said adjustment means.

2,138,083

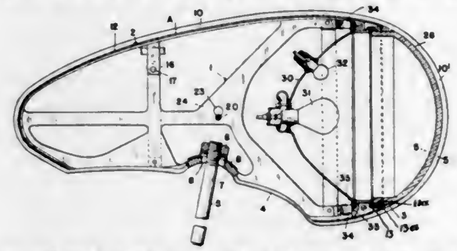
LAMP STRUCTURE

Norbert P. Worden and Hother S. Pedersen, Detroit, Mich., assignors to C. M. Hall Lamp Company, Detroit, Mich., a corporation of Michigan

Application March 29, 1937, Serial No. 133,665
4 Claims. (Cl. 240—41.5)

1. In a lamp structure, a housing having a frame and a sectional sheathing for said frame,

a portion of said frame being between the sections of said sheathing, brackets rigid with one section of said sheathing and fastened to said frame portion, a bracket rigid with another sec-



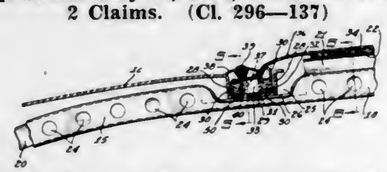
tion of said sheathing, said frame having a slot therein, and means for connecting the second mentioned section of said sheathing to the first mentioned section including means engaging the slot in said frame.

2,138,084

MOTOR VEHICLE

Erwin L. Bare, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application July 26, 1934, Serial No. 737,029
2 Claims. (Cl. 296—137)



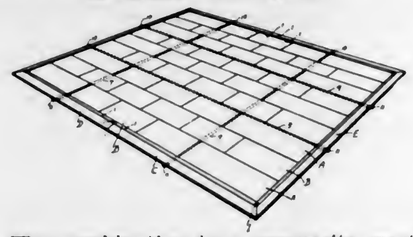
1. In body manufacture, the method of assembling a tacking stripping to its support consisting of first assembling the filler within the stripping leaving the base of the stripping exposed at intervals of its length and then securing the stripping to the support by welding at the exposed points.

2,138,085

PORTABLE COMPOSITE FLOOR

Arthur B. Birtles, Louisville, Ky., assignor to Wood-Mosaic Co., Incorporated, Louisville, Ky., a corporation of Kentucky

Application March 11, 1935, Serial No. 10,352
13 Claims. (Cl. 20—78)



1. The combination in a composite, portable, knock-down self contained floor structure comprising a plurality of units grouped into a substantially planar structure and a detachable flexible clamping means, external to said units, said means embracing the assembled units below the planar center of same for effecting a composite floor.

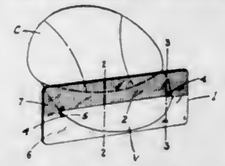
2,138,086

EXTENSION VISOR FOR SKI CAPS

Olav Blodjer, Stockton, Calif.

Application April 13, 1938, Serial No. 201,744
7 Claims. (Cl. 2—11)

1. An extension visor for ski caps comprising an elongated panel having a longitudinally extending slot therethrough intermediate its side



edges, said slot being adapted to receive the ski cap visor therethrough, and means adapted to secure the panel on the cap visor.

2,138,087

STABILIZATION OF DRIER COMPOSITIONS

Paul E. Burchfield, Yeadon, Pa., assignor to The Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio

No Drawing. Application July 13, 1936, Serial No. 90,381
14 Claims. (Cl. 134—57)

1. A process of stabilizing drier compositions, which comprises incorporating therewith a small amount but not substantially less than one per cent of a salt formed by reacting an organic nitrogen compound from the group consisting of primary, secondary and tertiary substituted ammonia, pyridine and benzamide with an organic acid.

2,138,088

SOLDER FILLED WIRE

Edward A. Capillon, Attleboro, Mass., assignor to D. E. Makepeace Company, Attleboro, Mass., a corporation of Massachusetts

Application February 11, 1937, Serial No. 125,284
7 Claims. (Cl. 29—182)



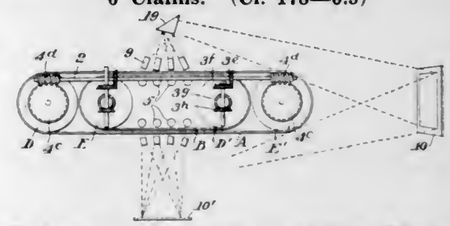
1. A solder filled wire for use in the manufacture of chain and other articles of jewelry comprising a hollow tubular body comprising a silver cadmium alloy and a silver solder core having a flow point at least 100° below the melting point of said body.

2,138,089

SCANNING PROCESS

Aloysius J. Cawley, Pittston, Pa.

Application September 10, 1929, Serial No. 391,541
Renewed August 18, 1937
6 Claims. (Cl. 178—6.5)



5. A scanning apparatus consisting of two endless tapes bearing light permeable areas, means for moving said tapes, one of said tapes embracing the other in the same plane, said tapes bearing each a series of parallel rectangular light permeable areas, a plurality of adjacent image areas, a plurality of photoelectric elements supplied with a common current on one side of said tapes and a plurality of optical elements on the opposite side of said tapes, a reflector associated with said optical elements and a screen associated with said reflector.

2,138,090

TREATMENT OF TITANIUM ORES

Oscar T. Coffelt, Jackson, Mich., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, a corporation of Delaware

No Drawing. Application January 23, 1935, Serial No. 3,142
3 Claims. (Cl. 23—117)

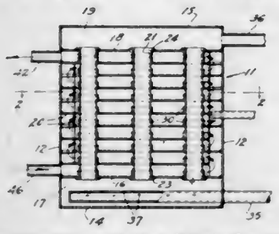
1. A process for attacking a titaniferous ore with acid, comprising initially adding sulfuric acid of substantially 76% strength to said ore and heating to effect interaction therebetween, continuing the reaction until the ore-acid mixture becomes reduced to a substantially semi-liquid condition, completing said reaction by adding further amounts of sulfuric acid but at a concentration of at least 95% strength and continuing the reaction while maintaining the ore-acid mixture at an elevated temperature until said ore-acid liquid mass becomes reduced to a porous, solid state.

2,138,091

HEAT TRANSFERRING DEVICE

Jack S. Cortines, Los Angeles, Calif.

Application September 27, 1937, Serial No. 165,812
3 Claims. (Cl. 257—139)



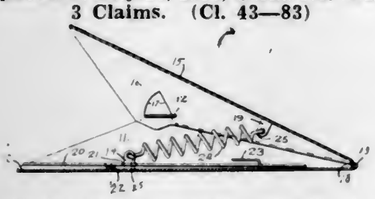
1. In a structure of the kind described, a casing having a transverse partition in a downwardly spaced relation to its top wall thus providing an upper chamber therein, said casing having a transverse partition in an upwardly spaced relation to its floor, thus providing a lower chamber therein, other transverse partitions between aforesaid partitions thus providing a series of transversely extending chambers, said partitions having flanges laterally outstruck from opposite edges of alternate partitions, thus forming spacers between said partitions and at the same time providing alternate and laterally staggered end passages immediately adjacent to opposite sides of said casing thus affording a back and forth flow of liquid progressively through said casing, there being inlet and outlet means for said casing.

2,138,092

ANIMAL TRAP

Charles E. Evans, Council Bluffs, Iowa

Application May 10, 1937, Serial No. 141,799
3 Claims. (Cl. 43—83)



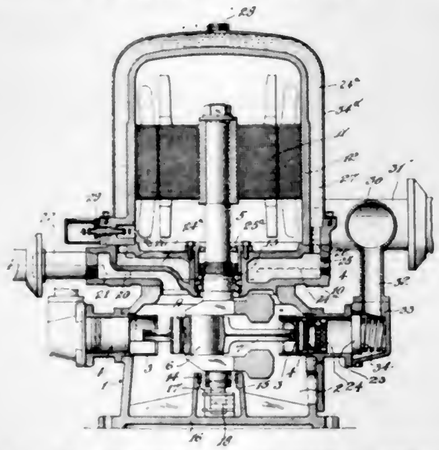
1. In a device of the class described, a pair of jaw-members each comprising a sheet-metal plate having integral parallel side-flanges thereon, said side-flanges of one jaw-member having portions overlapping portions of the flanges of the other jaw-member, the overlapping flange-portions of one jaw-member having sector-shaped openings therein and the flange-portions of the other jaw-member having integral laterally extending fulcrum-lugs extending through said sector-shaped openings in the adjacent flange-portions of the other jaw-member to form a pivotal connection between the jaw-members, said fulcrum-lugs being notched longitudinally to receive the respective flange-portions of the other jaw-member at said openings, perforate tongues formed integrally with the respective jaw-members at longitudinally opposite sides of the pivotal axis, a tension spring having hooked ends, one end of said spring being hooked in the perforation of the tongue of the upper jaw-member and the other end of said spring being hooked in the perforation of the tongue of the lower jaw-member, the axis of tension being arranged to intersect the pivotal axis during movement of the jaw-members between an open and a closed position, said tension spring normally holding the flange-portions of one jaw-member in the notches of the fulcrum-lugs thereby preventing relative lateral displacement of the engaged parts, a trigger-plate supported pivotally upon the tongue of the lower jaw-member beneath the respective hook of the spring, said trigger-plate having a portion engaged by the other jaw-member at the open position thereof, and downwardly extending lugs on the trigger-plate whereon the trigger-plate is tiltable to actuate the upper jaw-member toward the closed position, said trigger-plate being adapted to move the tension axis past the position of intersection of the pivotal axis therewith.

2,138,093

COMPRESSOR

Harry A. Feldbush, Short Hills, N. J., and George Steven, Buffalo, N. Y., assignors to Worthington Pump and Machinery Corporation, New York, N. Y., a corporation of Virginia

Application February 19, 1936, Serial No. 64,748
2 Claims. (Cl. 230—58)



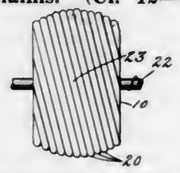
1. In a compressor, a compressor housing, a plurality of cylinders carried thereby, pistons in said cylinders, a driving shaft for said pistons, a driving motor for said shaft, a housing for said motor, a spacer head between said housings, said spacer head having an outlet gas manifold chamber therein and provided with a passage communicating with the discharges of said cylinders, a cooling water chamber in said spacer head, an intake manifold having an inlet, and a series of successive outlet connections to the suctions of said cylinders, said manifold decreasing progressively in cross sectional area from its inlet to its final outlet for progressively reducing the area in the manifold as the gas is withdrawn therefrom by the respective cylinders, thereby maintaining uniform pressure of gas at the inlets of all of said cylinders.

2,138,094

SMOOTHING ROLL

Otto Willy Fromm, Frankfort-on-the-Main, Germany, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application December 30, 1935, Serial No. 56,805
In Germany January 7, 1935
5 Claims. (Cl. 12—51)



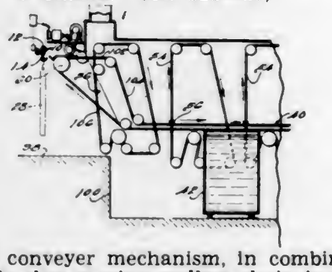
1. A rotatable smoothing roll for shoe parts having a work-engaging face composed of a plurality of rigidly connected ribs extending circumferentially of the roll in parallel planes inclined to the axis of the roll whereby the points of contact of the roll with the work make complete oscillations during each rotation of the roll.

2,138,095

CONVEYER MECHANISM

Robert H. Gordon, Detroit, Mich.

Application November 15, 1937, Serial No. 174,614
6 Claims. (Cl. 214—17)



1. In a conveyer mechanism, in combination, a relatively slow moving endless chain including an upper run and a lower run, said upper run including horizontal portions arranged at different elevations, a relatively fast moving endless transfer chain arranged in adjacent relationship to the first mentioned chain, means for driving said chains in timed relation to each other, and means on said transfer chain for removing articles from one of said horizontal portions of the first mentioned chain and depositing it upon the other of said horizontal portions of the first mentioned chain.

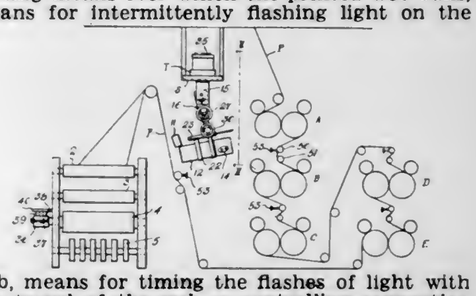
2,138,096

MULTIPLE IMPRESSION PRINTING MEANS

Walter E. Hamlin, Cleveland, Ohio, assignor to The Cleveland Shopping News Company, Cleveland, Ohio, a corporation of Ohio

Application May 9, 1935, Serial No. 20,600
6 Claims. (Cl. 270—5)

6. In printing machinery having spaced apart longitudinally extending framing elements and a series of cylinders transversely mounted therebetween for applying ink impressions in succession to a travelling web of paper and having means for regulating said travelling web so as to obtain accurate register of said impressions, folding and cutting means over which the printed web runs, means for intermittently flashing light on the



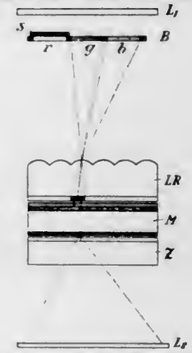
web, means for timing the flashes of light with the travel of the web, a controlling-connection between said timing means and said light-flashing means, a sighting tube with one end facing the web and the other end extending angularly out as an eye piece accessible laterally of said framing elements, and means for adjusting said viewing tube with respect to the web.

2,138,097

COPYING LENTICULAR PHOTOGRAPHIC FILMS

Gerd Heymer, Wolfen, Kreis Bitterfeld, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

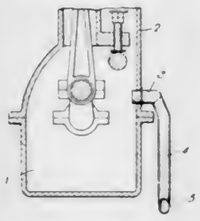
Application December 6, 1935, Serial No. 53,164
In Germany December 8, 1934
2 Claims. (Cl. 95—2)



1. In a process of copying a lenticular film bearing in its emulsion layer partial color pictures onto a smooth copy film provided with two light-sensitive layers in superposition on one side of the support and with one light-sensitive layer on the opposite side of the support the improvement which comprises copying by any known optical or contact printing process one partial color picture of the lenticular film onto an intermediate film by means of a diaphragm being transparent only to the rays between the picture aperture and that plane in which the corresponding partial color filter was situated during the exposure, and printing simultaneously the remaining partial color pictures of the lenticular film onto the double coated side of said copy film by any known optical or contact printing process, the openings corresponding to the planes of the filters being provided with a filter of such color that each of the layers sensitized to different spectral regions receives a partial picture of its specific color, while

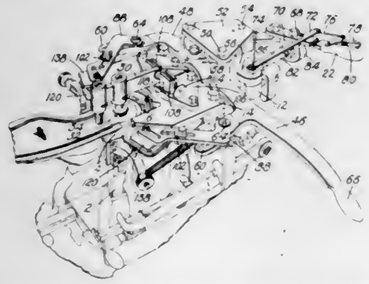
printing the intermediate film onto the other side with light corresponding to the sensitiveness of said side, and subsequently transforming the layers into color pictures in a known manner.

2,138,098
PROTECTIVE DEVICE FOR CRANKCASE VENTILATORS
Earl K. Holmes, Newton Falls, Ohio, assignor to Falls Steel Tube & Manufacturing Company, Newton Falls, Ohio, a corporation of Ohio
Application September 11, 1936, Serial No. 100,371
1 Claim. (Cl. 121—194)



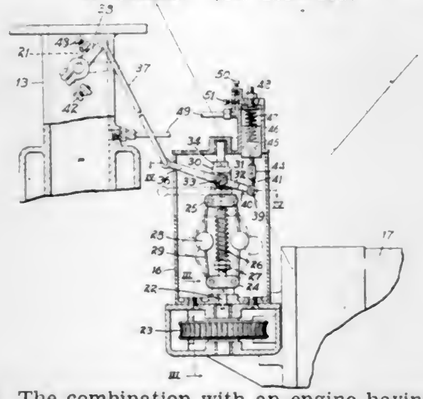
In combination, an internal combustion engine, a tube connected to the crankcase thereof for exhausting vapors from such crankcase, said tube having an end open to the atmospheric air, and a valve pivotally mounted in said tube and adapted to close the tube to said air when the engine is in the power-off condition and to be automatically opened by the suction created by the rush of said air past the open end of the tube during forward movement of the engine along the ground.

2,138,099
LASTING MACHINE
Eric A. Holmgren, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application June 11, 1937, Serial No. 147,723
25 Claims. (Cl. 12—4)



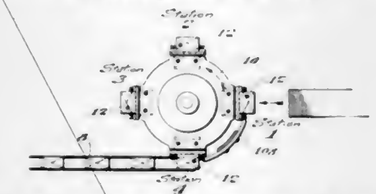
1. In a lasting machine, wipers formed to embrace the heel end of a shoe and movable lengthwise and laterally of the shoe to wipe the margin of the upper inwardly throughout a portion only of the length of the heel seat, side wipers for wiping the margin of the upper inwardly at the sides of the heel seat beyond said end wipers, the side wipers being movable relatively to the end wipers to vary the range of their wiping action lengthwise of the shoe, and means for thus moving the side wipers relatively to the end wipers in the course of the wiping operation on each shoe a distance dependent upon the size of the shoe but predetermined independently of contact with the shoe.

2,138,100
SPEED REGULATOR
George E. Howard, Butler, Pa.
Application January 20, 1938, Serial No. 185,861
13 Claims. (Cl. 123—103)



1. The combination with an engine having an intake passageway for flow of motive fluid thereto, of a valve for controlling flow of said fluid to the engine, a speed governor driven from the engine and having operative connection with said valve, and means actuated through changes of pressure in said passageway, for supplementing the valve-operating movements of the governor.

2,138,101
PACKAGING MACHINE
Stanley R. Howard, Milton, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application July 28, 1937, Serial No. 156,156
9 Claims. (Cl. 93—36)

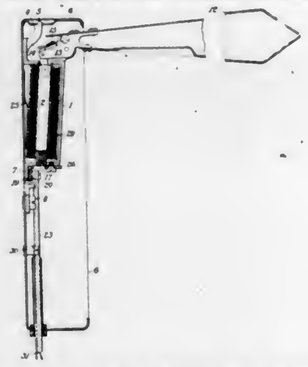


1. In a carton sealing machine, in combination, a carton block for operatively supporting a carton while the bottom flaps thereof are folded and sealed to close the bottom of the carton, means for operatively supporting said carton block, connections between said supporting means and said block adapted to permit the block to be moved laterally with relation to said supporting means, a die mounted upon the forming block, and a punch adapted to cooperate with the die to form an opening through the bottom of the carton while the carton is supported upon the block.

2,138,102
VEHICLE DIRECTION-INDICATOR
Bruno Jablonsky, London, England, assignor to Trico-Folberth Limited, Brentford, Middlesex, England, a company of Great Britain
Application May 25, 1934, Serial No. 727,489
In Great Britain May 30, 1933
5 Claims. (Cl. 177—329)

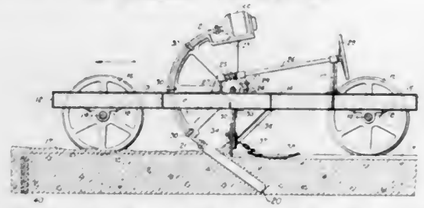
1. A vehicle direction indicator comprising a casing, a carrier body comprising a central channel portion housing a solenoid, a pivoted arm supported by said body at one end thereof, attaching

means at said end for engaging cooperating supporting means within said casing, attaching means projecting at the other end of said carrier body for engaging cooperating supporting means in said casing, supporting means on said attach-



ing means for devices by which said solenoid may be connected to an electric current source, an armature controlled by said solenoid, and a link mechanism between said armature and said pivoted arm whereby said arm is operated under control of said solenoid.

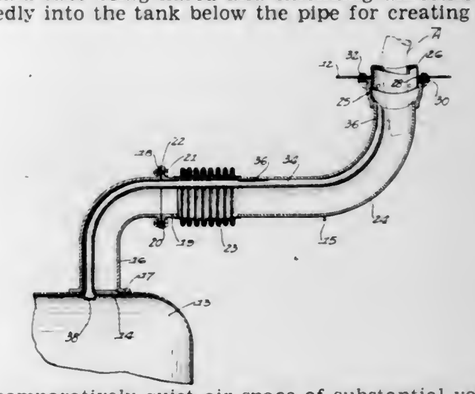
2,138,103
ROAD PAVING MACHINE
Enoch Berg Jorgensen, Los Angeles, Calif., assignor, by mesne assignments, to Viber Company, Los Angeles, Calif., a corporation of California
Continuation of application Serial No. 19,055, April 30, 1935. This application August 9, 1937, Serial No. 158,150
7 Claims. (Cl. 94—48)



1. In a road paving machine adapted to travel along a prepared roadway upon which has been placed an unset and uncompacted concrete mixture, vibratory means attached to said carriage and adapted to be moved through the concrete, a crosswise top-leveling strike-off bar rigidly attached to the carriage of said machine and adapted to roughly level off the top surface of the vibrating concrete mixture between said vibratory means and said strike-off bar, an unsupported surface-finishing plate adapted to float on the top surface of the concrete and to be dragged over the concrete surface behind the strike-off bar at a position substantially directly over the lower end of the vibratory means.

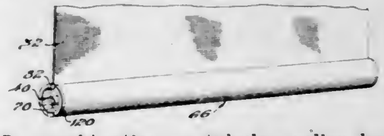
2,138,104
MOTOR VEHICLE
Ralph S. Kellogg, Royal Oak, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application February 4, 1935, Serial No. 4,753
2 Claims. (Cl. 220—86)

2. A construction for motor vehicles comprising a liquid fuel tank, a filler pipe for said tank, and a continuous air outlet tube fixed in said pipe, the outlet end of said tube being entirely open and extending to a point adjacent the inlet end of the filler pipe and the inlet end of said tube being flared and extending unrestrictedly into the tank below the pipe for creating a



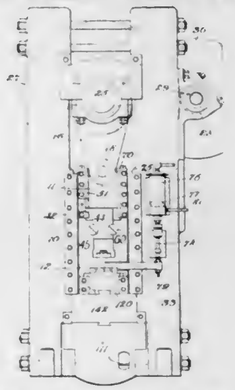
comparatively quiet air space of substantial volume immediately below said inlet end of said tube to facilitate fuel precipitation in said space.

2,138,105
ROLLER SCREEN CONSTRUCTION AND METHOD
William E. Kemp, Detroit, Mich.
Original application June 22, 1934, Serial No. 731,808. Divided and this application April 11, 1936, Serial No. 73,824
4 Claims. (Cl. 156—25)



1. In combination, a tubular roller having a line of split extending from end to end thereof, lugs projecting from the ends of said roller on either side of said line of split, a strip of flexible material having a marginal edge thereof clamped between the opposed edges of said roller along said line of split, and end members for said roller engaging said lugs to hold said opposed edges against separation.

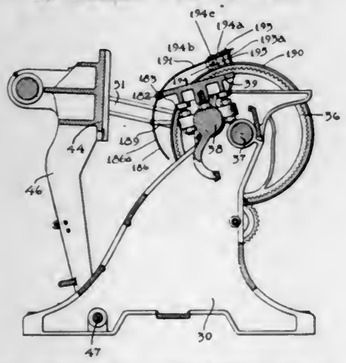
2,138,106
PRESS-SLIDE WITH GAG-CONNECTION
William Klocke, Woodhaven, N. Y.
Application October 15, 1937, Serial No. 169,175
8 Claims. (Cl. 78—39)



1. A press-slide comprising two parts, relatively movable longitudinally, one a tool-supporting part and the other having means for attaching a connecting-rod thereto, said relatively mov-

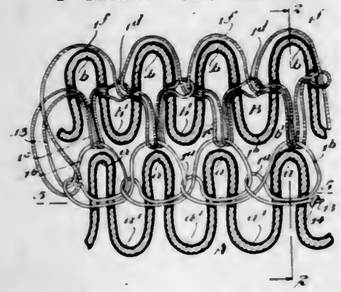
able parts having lapping portions, key-ways in adjacent sides of the lapping portions, a semi-cylindrical oscillatory key, and means for moving said key to and from a position wholly in one key-way to and from a position partly in each of the two key ways to lock together and unlock said relatively movable parts.

2,138,107
SIDE REGISTER GAUGE FOR PRINTING PRESSES
Abel Kluge and Eneval Kluge, St. Paul, Minn., assignors to Brandtjen and Kluge, Inc., St. Paul, Minn., a corporation of Minnesota
Original application December 30, 1932, Serial No. 649,567. Divided and this application July 23, 1937, Serial No. 155,236
10 Claims. (Cl. 101—414)



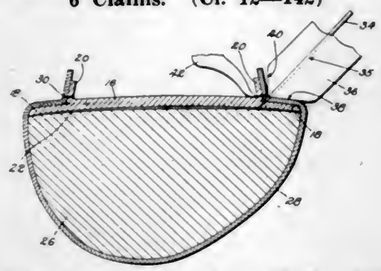
9. Side registering mechanism for a printing press having a frame, a bed and a platen movable forth and back between open sheet receiving position and closed printing position, said mechanism comprising guide means mounted on the press frame, a member movably mounted on the platen, an element on said member for engaging a sheet on the platen and shifting such sheet along the platen upon movement of said member, said member following and cooperating with the guide means and moved thereby upon movement of said platen, said guide means being manually shiftable, during the platen movement, from one to another of different relationships in the press structure to cause the sheet registering movement of said member to be increased or diminished.

2,138,108
MATTED FABRIC AND PROCESS OF PRODUCING SAME
Ella M. Lapham, Minneapolis, Minn.
Application November 15, 1937, Serial No. 174,583
4 Claims. (Cl. 112—1)



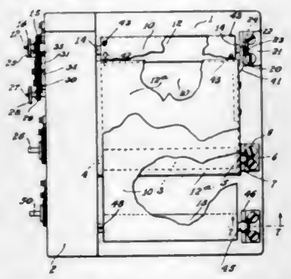
2. A matted fabric made up of a multiplicity of pleated body-forming strips, and a single common thread passed through the pleats of said strips, said thread being interlooped between the pleats of individual strips and also interlooped and interlocked between the rows of body-forming strips.

2,138,109
METHOD OF MAKING SHOES
Axel Emil Lindblad, Orange, N. J., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application March 22, 1935, Serial No. 12,466
6 Claims. (Cl. 12—142)



1. That improvement in methods of making shoes which consists in assembling an upper and an insole on a last with a piece of sheet material interposed between the insole and the bottom of the last, cutting inwardly through the overlasted marginal portion of the upper and through the full thickness of the insole and part way into said piece of sheet material, thereby trimming the upper and separating material from the central portion of the insole without cutting the last, attaching an outsole to the shoe, and removing the last and said piece of sheet material from the shoe.

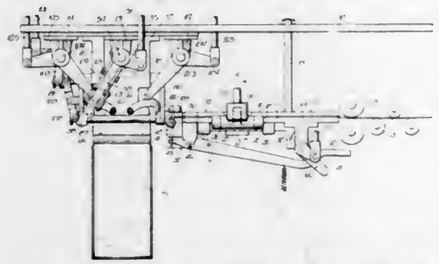
2,138,110
RECORDING MECHANISM
Fritz Loeffler, New York, N. Y.
Application July 16, 1937, Serial No. 153,880
4 Claims. (Cl. 271—2.3)



2. In a recording device, a web of paper having perforations along its two margins, a roller for advancing said web having pins along its two edges projecting through the perforations in the web, the pins along one edge being staggered with respect to the pins at the other edge of the roller, a device continuously tending to pull said web of paper away from said roller, means for rotating said roller, said means including a gear fastened to said roller and a second gear, a third gear engaging the first gear, a fourth gear engaging the third and the second gears, a mounting plate for each of said third and fourth gears part of which projects beyond the peripheries of said third and fourth gears, said mounting plates having relatively large apertures for adjustable mounting and which are

covered by the gears, the centers of the third and fourth gears being out of alignment with the centers of the first and second gears.

2,138,111
BAG CLOSING AND FASTENING MECHANISM
George Long, Joliet, Ill., assignor to Franklin Steel Works, Joliet, Ill., a corporation of Maine
Application April 9, 1937, Serial No. 135,826
30 Claims. (Cl. 93—6)

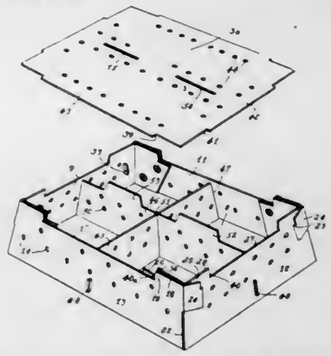


1. The method of releasably fastening the upright folded portion of a filled bag which comprises the steps of locating a tin-tie strip above said folded portion in a manner leaving projecting ends on each side of the bag, bending the upright folded portion of the bag into a position approximately horizontal and moving the same adjacent to and substantially into contact with the tin-tie strip, the said bending and moving of the folded portion simultaneously tilting the bag into a position inclined from the vertical, whereby one side of the top of the bag is also approximately horizontal and disposed adjacent the said bent portion, bending said projecting ends of the strip around the ends of the folded portion of the bag and under the said top side to releasably secure the folded portion to the top of the bag, and then adhesively securing the tin-tie strip to the top of the bag to thereby retain the strip to the bag independently of the bent fastening means.

2,138,112
CHICK BOX
John Z. Means, Laron R. Conklin, and John H. Conway, Rockford, Ill., assignors to The Eddy Paper Corporation, Chicago, Ill., a corporation of Illinois
Application January 2, 1937, Serial No. 118,868
16 Claims. (Cl. 229—6)

2. The combination in a chick box of a rectangular body of box board having side walls sloping inwardly from bottom to top overlapping at the corners, the corner portions thereof projecting above the top surface of the remainder of the body to form legs and overlying the box in converging relation, said body having the end portion of one side wall lying free along the inner side of the adjacent wall near the corner, and a semi-rigid sheet of box board forming a cover and shaped for insertion between said legs, the overlapping end portion and overlying legs acting to retain the cover in position and the cover acting to retain said end portions against the adjacent side wall to provide a rigid box.

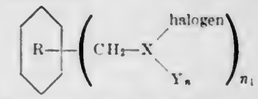
4. The combination in a chick box of a one-piece body of box board cut and scored to provide a bottom, upstanding side walls, and interlocking corners, each of said corners comprising a flap on the end of one of said side walls arranged to lie along the inner side of the adjacent side wall when folded, and a flap on the end of the adjacent side wall arranged to be folded around the corner of the wall, pass through a slot in the first-mentioned wall and be displaced sidewise at its end to lock the sides together and form the corner.



14. The combination in a chick box of a box board body having a bottom and upstanding side walls provided with a centrally disposed slot and a plurality of ventilation openings, said side walls sloping inwardly from bottom to top to prevent said openings from being covered by adjacent boxes, and at least one partition extending between opposed side walls, the ends of said partition having tabs received in said slots and being sloped complementally to said walls whereby the walls act to hold the partition against the bottom and the partition acts to support the side walls against distortion.

2,138,113
ONIUM-METHYL BENZENES, USEFUL FOR IMPROVING THE FASTNESS OF DYEINGS
Ferdinand Münz, Frankfort-on-the-Main, and Karl Keller and Otto Trösken, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application March 27, 1936, Serial No. 71,172. In Germany April 3, 1935
2 Claims. (Cl. 260—577)

1. Compounds useful for improving the fastness of dyeings which compounds correspond with the formula:

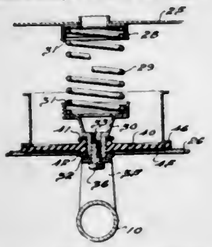


wherein X represents an element selected from the group consisting of pentavalent nitrogen and phosphorus and tetravalent sulfur, R stands for a radicle of the benzene series, Y represents an element of the group consisting of lower alkyl radicles and the phenyl radicle, n being 3 if X is pentavalent and 2 if X is tetravalent, n_1 being at least 1.

2,138,114
MOTOR VEHICLE
Emil A. Nelson, St. Clair Shores, Mich., assignor of one-half to Dubois Young and one-fourth to Frank W. Gay
Application July 23, 1936, Serial No. 92,076
11 Claims. (Cl. 296—35)

1. In a vehicle having a body and chassis, a spring resiliently interconnecting the same for relative vertical movement, and resilient means mounted in surrounding relation to said spring

fixedly connected to both said body and said chassis for resiliently controlling relative lateral



movement therebetween independently of said spring.

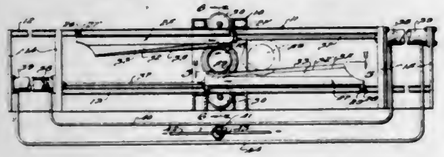
2,138,115

APPARATUS FOR FORMING DISK WHEELS OR THE LIKE

Emil A. Nelson, St. Clair Shores, Mich.

Original application March 23, 1935, Serial No. 12,555, now Patent No. 2,095,343, dated October 12, 1937. Divided and this application December 11, 1936, Serial No. 115,330

4 Claims. (Cl. 113—52)



1. Apparatus for simultaneously forming a pair of wheel blanks from tubular stock including a supporting structure, a pair of spaced rollers rotatively and shiftably mounted on said supporting structure for supporting said tubular stock and urging the end portions thereof toward each other, a pair of mandrels shiftably mounted on said supporting structure having portions registering with and engageable between said rollers for urging intermediate portions of said stock between said rollers, means for simultaneously shifting both of said mandrels relative to said rollers and simultaneously shifting the latter toward each other, and mechanism for positively proportioning the rate of shifting movement of said mandrels with respect to the rate of shifting movement of said rollers so as to predetermine the thickness of the portion of said blank operated upon.

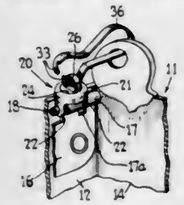
2,138,116

KEY HOLDER

Isidor Newman, New York, N. Y.

Application November 24, 1936, Serial No. 112,599

14 Claims. (Cl. 70—456)



1. In a key holder, in combination, a plate supporting a pin, a plurality of members individually pivoted about the axis of said pin and each having a strap portion, and a key retaining loop receiving each strap portion, each loop being made of an elongated flat strip of metal bent to form a continuous split loop, said loop having at the split thereof, tabs disposed side by side with the end edges of the strip in engagement.

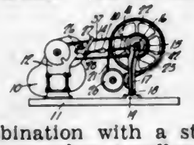
2,138,117

BELT TIGHTENER

John J. O'Brien and Miles W. O'Brien, South Bend, Ind.; John J. O'Brien and The Northern Trust Company, executors of said Miles W. O'Brien, deceased, and John J. O'Brien, individually, assignors to South Bend Lathe Works, South Bend, Ind., a corporation of Indiana

Application November 27, 1935, Serial No. 51,819

5 Claims. (Cl. 74—242.15)



1. The combination with a stationary member, a shiftable member, a pulley carried by each member, a drive belt connecting said pulleys, of a belt tightener comprising a lever pivoted to said stationary member, an elongated member pivoted at one end to said shiftable member and at its opposite end to said lever in spaced relation to the lever pivot, and a pair of diverging jaws projecting from said lever to define a mouth into which said elongated member extends, said jaws engaging said elongated member to lock said tightener at predetermined opposed limits of pivotal movement.

2,138,118

TITANIUM OXIDE PIGMENTS AND PROCESS FOR PRODUCING SAME

Gordon D. Patterson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 23, 1937, Serial No. 138,584

16 Claims. (Cl. 134—58)

1. A process for producing stable titanium pigments, comprising intimately associating with said pigments a minor amount of a substantially water-insoluble, basic cadmium compound.

2,138,119

BAG

Adolph Potdevin, Garden City, and George E. Hampton, New York, N. Y., assignors to Potdevin Machine Company, Brooklyn, N. Y., a corporation of New York

Original application September 29, 1934, Serial No. 746,082. Divided and this application September 11, 1936, Serial No. 100,275

3 Claims. (Cl. 229—53)



1. As an article of manufacture, a tubular bag length, the top end of which is provided with registering concave cut-backs in both walls at opposite corners, so that when the bag length is opened moving one wall of the bag length away from the other the tension thereby imposed on the bag length is along a line which lies below the edge of the end of the bag length at the corners of the bag length thereby to resist tearing of the bag length at the corners.

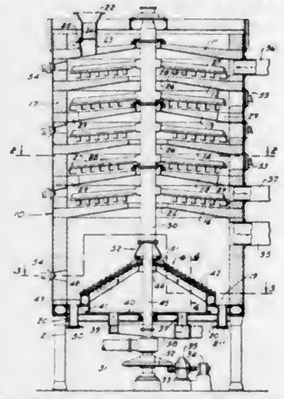
2,138,120

INCINERATION

William Raisch, New York, N. Y., assignor to Underpinning & Foundation Co., Inc., New York, N. Y., a corporation of New York

Application October 30, 1936, Serial No. 108,428

1 Claim. (Cl. 110—13)



In a furnace of the class described, a drying section separated into compartments by a plurality of vertically spaced hearths of which alternate hearths have central outlets and peripheral outlets respectively and the lowermost hearth is one with a permanently open central outlet, a burning section having a conical grate receiving dried material directly through said permanently open central outlet, an air inlet at the upper part of said drying section, an air outlet for discharging from the interior of the furnace air and vapor from the lower part of the drying section, a combustion gas outlet at the upper part of said burning section, and air-supply means below said grate.

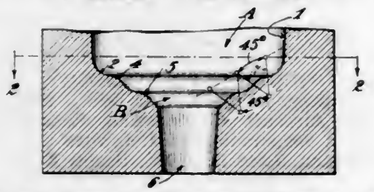
2,138,121

INGOT MOLD

George Ramsey, Brooklyn, N. Y., assignor to Valley Mould & Iron Corporation, Hubbard, Ohio, a corporation of New York

Application August 19, 1936, Serial No. 96,733

5 Claims. (Cl. 75—139)



1. In an ingot mold construction, a vertical major mold matrix terminating in a minor bottom matrix, and a plurality of corrugations in said minor bottom matrix, said corrugations extending in substantially a horizontal direction, the radii of the salient portions of the corrugations being substantially the same length as the radii of the non-salient portions of the corrugations.

2,138,122

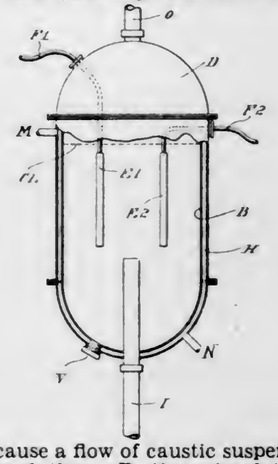
PROCESS FOR THE SYNTHESIS OF AMMONIA

Ovid E. Roberts, Jr., Washington, D. C.

Application May 21, 1935, Serial No. 22,647

9 Claims. (Cl. 204—19)

1. In a process for producing ammonia from nitrogen and hydrogen which comprises producing metallic potassium suspension in an electrolytic cell containing electrodes immersed in a fused caustic by passing current therethrough, the step of introducing gases for the ammonia reaction into the cell during the electrolysis and sweeping said gases upward between the electrodes to cause a flow of caustic suspension within the cell, and thus effecting circulation for the reaction and cutting down current consumption by mechanically assisting in the migration of the potassium ion produced by the electrolysis of the caustic.



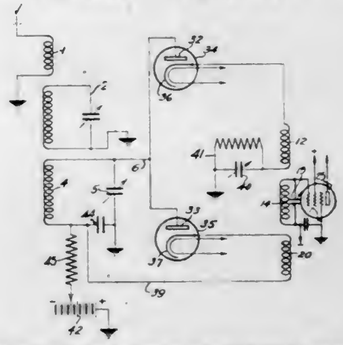
2,138,123

STATIC ELIMINATION CIRCUIT

Edward M. Sargent, Oakland, Calif.

Application May 7, 1935, Serial No. 20,164

5 Claims. (Cl. 250—20)



3. In a radio frequency amplifying stage having a space charge amplifying tube therein, a tuned circuit excited by radio frequency currents, and a damping link between said circuit and said tube comprising a pair of diodes connected in parallel, one of said diodes having a zero bias and the other diode having a negative bias, means for equalizing the capacitative reactance of said parallel diode circuit paths and means for feeding the output of both diodes to said tube in opposite phase relation.

2,138,124

LICENSE PLATE FRAME

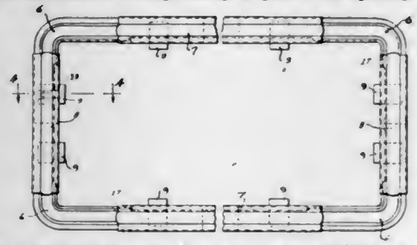
William N. Schnell, Detroit, Mich.

Application March 18, 1938, Serial No. 196,732

4 Claims. (Cl. 40—125)

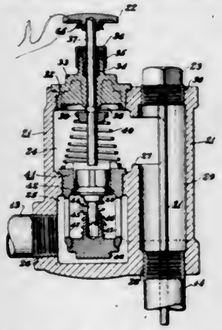
1. An adjustable frame for a license number plate having edge grooves, comprising angle mem-

bers, connecting sections slidably telescoping the respective legs of said angle members to form an expansible frame, and spring clip means on said angle members comprising a piece of spring ma-



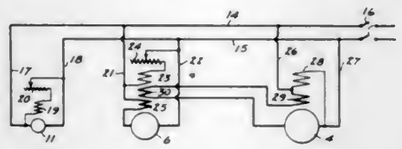
terial bent upon itself to form an anchoring portion and a plate engaging portion extending parallel to and spaced from the anchoring portion and provided with a convex portion for engaging the groove of the plate.

2,138,125
CONTROL VALVE
Paul I. Schultz and James J. Pelouch, Cleveland, Ohio, assignors to The United States Air Compressor Company, Cleveland, Ohio, a corporation of Ohio
Application November 2, 1936, Serial No. 108,734
4 Claims. (Cl. 251—130)



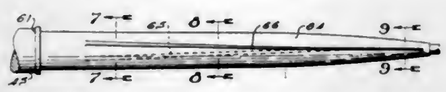
1. A control valve for a fluid system wherein the control valve is mounted below a surface with only the upper end accessible comprising, in combination, a casing having two chambers adapted to intercommunicate and having an inlet port communicating with one of said chambers and having an outlet port communicating with the other of said chambers, the said casing having an opening in said upper end, a valve seat member adapted to be inserted into position in said casing through said opening, the said valve seat member being carried by said casing internally of the casing between said chambers and having an orifice connecting said two chambers, a valve member, said valve member having an enlarged head positioned in said other of said chambers, the said enlarged head being adapted to engage the valve seat member and to control the communication between said chambers through said orifice, said enlarged head having a rearward face positioned in the path of fluid in said other of said chambers, supporting means carried by said valve seat member for guiding and supporting said valve member, resilient means carried by said supporting means for holding the valve member in a normally closed position against the valve seat member, a plunger member extending through said opening in the casing for operating said valve member so that said chambers may be put in intercommunication, said plunger member being extended outwardly of said casing through said opening, means slidably engaging said plunger member for closing said opening, and resilient means carried by said casing internally of the casing for holding said plunger from normally operating said valve member, the arrangement of the casing, valve seat member, valve member, supporting means, and resilient means being such that the said parts may be inserted into place and removed from said casing through said upper opening, and being such that fluid under pressure from the inlet port moves the valve member to open said orifice and fluid under back-pressure from the outlet port and contacting the rearward face of the said enlarged head moves the valve member to close said orifice, and that operation of the valve member by the plunger member re-opens said orifice to permit fluid under back-pressure from the outlet port to flow through said orifice.

2,138,126
METHOD OF AND APPARATUS FOR DRAWING WIRE
Frank H. Smith, New York, N. Y., and Henry A. Stringfellow, St. Thomas, Ontario, Canada
Application June 3, 1935, Serial No. 24,666
18 Claims. (Cl. 205—14)



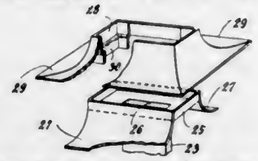
1. The method of elongating and reducing the cross-sectional area of rod, wire, or similar elongated metal bodies which comprises applying opposed longitudinal pulling forces to the body at longitudinally spaced points, imparting a longitudinal movement to the body, reducing the cross-sectional area of the body and retarding longitudinal movement thereof by applying lateral pressure thereto between the points at which the opposed pulling forces are applied, and maintaining a substantially fixed ratio less than unity between the opposed pulling forces during longitudinal movement of the body.

2,138,127
PROPELLER MAKING
John Squires, Hagerstown, Md., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application June 26, 1935, Serial No. 28,393
26 Claims. (Cl. 80—24)



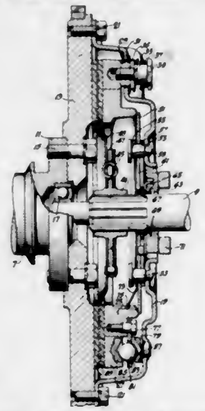
1. The method of forming a fin on a metal tubular structure, which comprises internally supporting said structure on an arbor having a rib extending from its periphery, forming a fin from some of the metal of the wall of said structure by passing the latter while internally supported on said arbor between rolls having arcuately concaved peripheries suitably formed to accommodate the metal of said fin and portions of the rib of said arbor, and withdrawing said arbor thereafter.

2,138,128
BURNER
Stamford White, Greenwich, Conn.
Application April 11, 1935, Serial No. 15,786
10 Claims. (Cl. 67—72)



1. A burner having means for forming an elongated flame, means for supplying air to the sides of said flame consisting of walls forming an inwardly and upwardly gradually curved passage meeting the base of the flame at an acute angle, a barrier to prevent flow of air to the base of said flame at each end, and means supplying air to the ends of said flame at a higher elevation, said latter means comprising guiding walls curving inwardly and upwardly and meeting the flame at an acute angle.

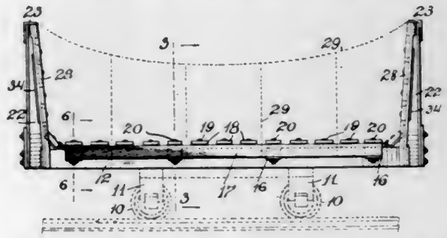
2,138,129
CLUTCH
William S. Wolfram, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 13, 1937, Serial No. 163,555
8 Claims. (Cl. 192—32)



1. In a clutch, driving and driven members, a pressure plate driven with the driving member and having two separate parts to engage the driven member, yielding means to move the first part of the pressure plate into contact with the driven member and means responsive to torque resulting from said contact operable to move the second part of the pressure plate into contact with the driven member.

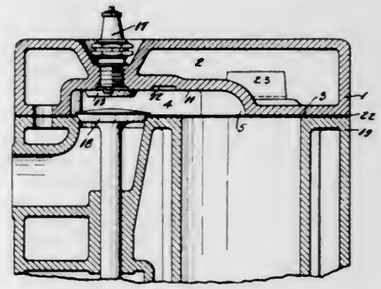
2,138,130
CAR STRUCTURE
Thomas U. Angell, Honolulu, Territory of Hawaii, assignor to The Gregg Company, Ltd., New York, N. Y., a corporation of New York
Application October 23, 1937, Serial No. 170,552
6 Claims. (Cl. 105—367)

1. A car structure comprising a horizontal frame, standards extending from the frame, a U-shaped top-piece secured in inverted position on the top of the standards, a pair of braces secured at the bottom to the outer sides of the standards and inclined outwardly with their top ends secured to the top-piece, sockets secured to the standards, a removable end-frame comprising uprights fitting in the sockets at their lower ends and with their top ends inside the top-piece but



terminating short of the top thereof to allow vertical removal of the lower ends from the sockets, and boards secured to said uprights and forming an end wall for the car.

2,138,131
CYLINDER HEAD AND COMBUSTION CHAMBER FOR INTERNAL COMBUSTION ENGINES
Irving E. Aske, Muskegon, Mich., assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon Heights, Mich., a corporation of Michigan
Application January 9, 1936, Serial No. 58,273
8 Claims. (Cl. 123—191)

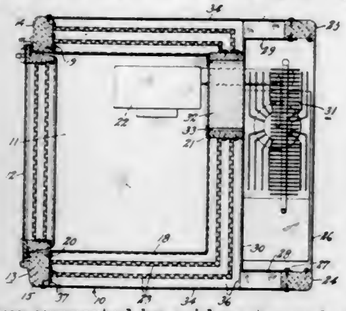


1. In an internal combustion engine, a cylinder head with a combustion chamber therein provided with ignition means, the said chamber having concentrically spherical volume portions so related to the point of ignition, that the total volume of the combustion chamber and total radius distance from initial ignition that the respective ratios expressed in percent of any increment of said volume to the total volume divided by the corresponding ratio of incremental radius to the total radius distance shall come substantially within the limits of 150% during the first 40% of the radius distance from the point of ignition and reducing to within 120% at 85% of the said distance and then rapidly dropping to within 40% at 100% of the said distance.

2,138,132
REFRIGERATOR
Sigurd Mattias Bäckström, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., New York, N. Y., a corporation of Delaware
Application September 6, 1935, Serial No. 39,373
In Germany October 5, 1934
12 Claims. (Cl. 62—89)

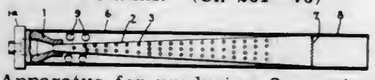
1. Refrigerator including a cabinet having a front frame, a storage compartment secured to

said frame, and rear corner posts, a refrigerating



apparatus supported by said posts, and an outer casing joining said frame and rear corner posts.

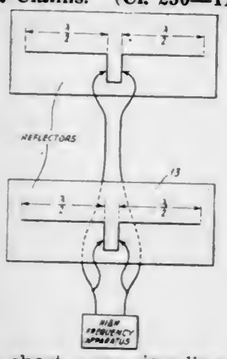
2,138,133
APPARATUS AND METHOD FOR PRODUCING FIRE EXTINGUISHING FOAM
Martin Betzler, Neuruppin, Brandenburg, Germany, assignor to Pyrene-Minimax Corporation, Newark, N. J., a corporation of Delaware
Application March 14, 1936, Serial No. 68,794
In Germany March 18, 1935
6 Claims. (Cl. 261—76)



1. Apparatus for producing fire-extinguishing foam comprising a casing for surrounding a stream of liquid, said casing being flared in the direction of flow of liquid and having a plurality of openings in the walls thereof for introducing air into said stream by aspiration, and a plurality of members beyond said openings projecting towards the interior of said casing for agitating the liquid.

2. In a method of producing fire-extinguishing foam, the steps of conducting a confined stream of liquid under pressure and containing a foam stabilizing agent, and introducing and mixing air with said liquid by aspiration at a plurality of positions spaced along the path of travel of said stream.

2,138,134
SHORT WAVE SIGNALING
Harold H. Beverage, Riverhead, Philip S. Carter, Port Jefferson, and Gilbert S. Wickizer, Riverhead, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application April 9, 1936, Serial No. 73,404
2 Claims. (Cl. 250—11)

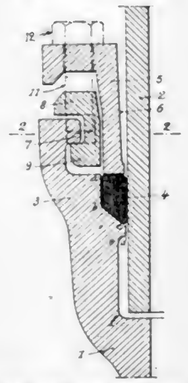


1. An ultra short wave signaling system comprising a transmitter and receiver mounted on buildings within the line of sight of each other and located in an area having objects which reflect the rays emanating from said transmitter, a pair of parallel horizontal directive antennas mounted one above the other at said receiver and spaced from each other vertically a distance equal to

$$\frac{\frac{\lambda}{2}}{\sin \frac{b}{2}}$$

where λ is substantially the length of the mean operating wave, and b is the angle between the direct wave and the main reflected wave, each of said antennas comprising a pair of arms extending in the same straight line, a U-shaped loop of high impedance connecting together the adjacent ends of the arms of each antenna, means for cophasally combining energy collected by said pair of antennas, said means comprising a two-wire feeder coupled to points on said loops which match the impedance of said feeder, and a horizontal directive antenna at said transmitter.

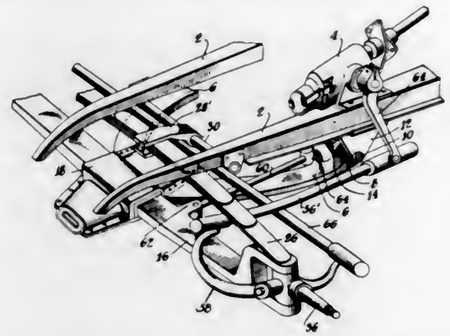
2,138,135
PIPE JOINT
Jacques Boucher, Boulogne-sur-Seine, France, assignor to Société Anonyme des Hauts Fourneaux et Fonderies de Pont-a-Mousson, Pont-a-Mousson, France
Application May 9, 1935, Serial No. 20,595
In Belgium May 25, 1934
1 Claim. (Cl. 285—135)



In a bell and spigot pipe joint having a compressible packing ring between the bell and the spigot and a gland including an annular flange, means to press the gland with said annular flange against the packing ring, said means comprising spaced radial lugs on the bell, circumferentially spaced bolts extending through said gland, anchoring members on said bolts guided in said gland for axial movement and having radially projecting lugs which positively engage said lugs on the bell when the gland is rotated, and means on said gland to prevent rotation of said anchoring member in any axial position thereof.

2,138,136
AXLE SUSPENSION FOR VEHICLES
Pierre Marcel Bourdon, Paris, France, assignor to Michelin & Cie, Clermont-Ferrand, France, a corporation of France
Application March 11, 1937, Serial No. 130,263
11 Claims. (Cl. 267—20)

1. In an axle mounting for vehicles, the combination with a vehicle frame of a rigid yoke member, wheel spindles carried by said yoke member, means connecting said yoke member to the frame to allow movement of said spindles toward and from said frame, means connected to the yoke member allowing limited rotational move-

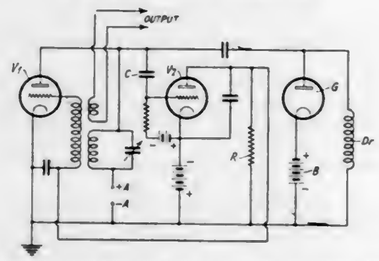


ment of said spindles about the longitudinal axis of the yoke member while preventing extended lateral movement of the spindles relatively to the frame, and resilient means tending to maintain the wheel spindles in spaced relation to said frame.

2,138,137
ADHESIVE
Walter D. Bowlby, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 21, 1935, Serial No. 7,557
1 Claim. (Cl. 134—79)

An adhesive characterized by the capacity for the formation of a quick initial set and rapid drying to form a permanent bond, comprising an aqueous emulsion including a substantially water-immiscible, highly viscous nitrocellulose solution containing from about 10% to about 50% nitrocellulose and having a viscosity within the range of about 500 to 30,000 seconds, and a non-volatile ingredient of the adhesive, emulsified as a separate disperse phase in the emulsion, the said emulsion being characterized by containing a percentage of water less than about 25% and preferably about 10% by weight, of the said emulsion.

2,138,138
TRANSMITTER CIRCUIT
Richard Bruckner, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application November 21, 1936, Serial No. 112,038
In Germany November 19, 1935
3 Claims. (Cl. 250—36)



1. In combination, an electron discharge device oscillator having an anode, a cathode and a grid, a series circuit of a coil and a condenser between said grid and cathode, an oscillatory circuit including a coil coupled to said first coil connected between said anode and cathode, and a series circuit of condenser, an electron discharge device detector and a source of bias potential in the order named connected between said anode and cathode, whereby only positive peaks of potential generated by said oscillator which exceed the bias of said source causes current to flow in said detector.

2,138,139
LOCOMOTIVE UNDERFRAME BUFFER
Conrad C. C. Burkhardt, Philadelphia, Pa.
Application June 8, 1935, Serial No. 25,591
5 Claims. (Cl. 105—172)



1. In combination, an underframe, spaced trucks upon which said underframe is mounted, a buffer of materially greater extent longitudinally than transversely and supported by said underframe by being directly secured thereto only along the central portion thereof and simultaneously directly engageable with said trucks, said buffer having a lower horizontal wall and a horizontal partition wall interposed between said lower wall and the top of said underframe, and a draft bar connecting said trucks and extending longitudinally between said walls.

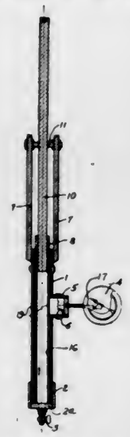
2,138,140
COATING COMPOSITIONS AND METHOD OF PRODUCING
Irwin C. Clare, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 8, 1936, Serial No. 62,991
15 Claims. (Cl. 134—26)

1. A protective coating composition including as an ingredient the product of the simultaneous reaction of a hydrogenated rosin ester, a drying oil, and an unmodified, oil-soluble resin of the phenol-formaldehyde type at a maximum temperature of at least about 320° F.

2,138,141
METHOD AND APPARATUS FOR TESTING MATERIALS
Sylvan Cromer and Irwin F. Bingham, Norman, Okla.
Application August 29, 1936, Serial No. 98,496
3 Claims. (Cl. 73—151)

1. Apparatus for determining the amount of gaseous fluid in a body of liquid or plastic material and including a closed vessel having a stuffing box therein, a plunger mounted in said stuffing box for changing the volume of said cylinder, means for moving the plunger in or out of said stuffing box predetermined distances, indicating means for accurately showing the amount the plunger has moved through the stuffing box, a pressure gauge connected to said vessel, a diaphragm for protecting the pressure gauge from fluids in the vessel and a liner within the vessel having ports therein enabling the diaphragm to move in response to pressure changes within the liner, and thereby affect the reading of the pres-

sure gauge, the arrangement being such that the pressure gauge measures the pressure changes in



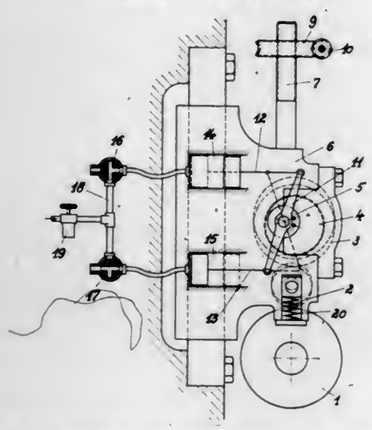
said vessel in response to the changes in volume made therein by movement of said plunger.

2,138,142

PRESSURE ADJUSTING DEVICE

Paul Dietrich, Augsburg, Germany, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Augsburg, Germany, a corporation of Germany

Application April 17, 1937, Serial No. 137,433
In Germany October 26, 1935
2 Claims. (Cl. 101—247)



1. In a rotary printing press, in combination with the form cylinder, a cylindrical core rotatably supporting an impression cylinder and having journals eccentric relative to said impression cylinder, bearings for said journals, a two-arm lever attached to one of said journals, and means connected to the arms of said lever for pivoting the same in either direction for turning said core to thereby adjust the position of said impression cylinder relative to said form cylinder.

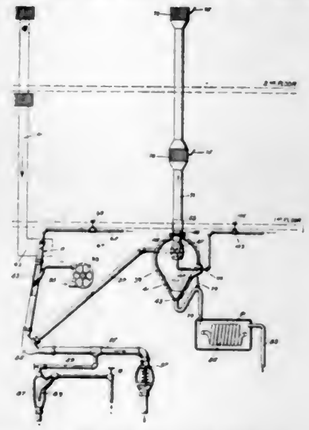
2,138,143

AIR CONDITIONING SYSTEM

Adiel Y. Dodge, South Bend, Ind.

Application May 3, 1935, Serial No. 19,538
7 Claims. (Cl. 62—138)

1. An air conditioning system comprising an injector operated by liquid under pressure to compress air to be treated, a curved passage having an air outlet on its inner side to separate the



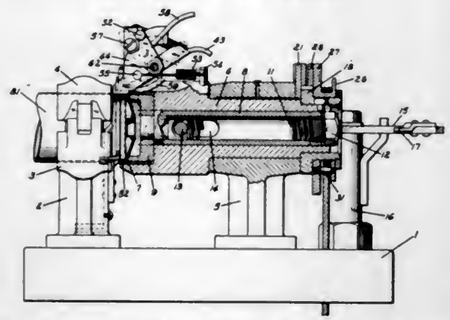
injector liquid from the air and means connected to said outlet to expand the air gradually.

2,138,144

MACHINE FOR ASSEMBLING PACKING ON PISTONS AND THE LIKE

Adiel Y. Dodge, South Bend, Ind., assignor to The Lubrication Corporation, Chicago, Ill., a corporation of Delaware

Application January 16, 1936, Serial No. 59,414
13 Claims. (Cl. 29—84)



2. An assembling machine comprising, a rotatably mounted head for supporting a piston, means for feeding a strand of packing material onto the piston, clamp means carried by said head for holding the end of said strand on the piston, means for rotating the head to wind the strand around the piston, means for cutting off the strand, and means for ejecting the piston from the head.

2,138,145

PREPARATION OF ORGANIC DERIVATIVES OF CELLULOSE

Camille Dreyfus, New York, N. Y., and George Schneider, Montclair, N. J., assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application November 21, 1935, Serial No. 50,872
5 Claims. (Cl. 260—230)

1. Process for improving the properties of substitution derivatives of cellulose in which the substituent group is organic, which comprises treating said derivatives of cellulose for at least 5 minutes, while in solution, at a temperature between 34° and 41° C. with a metal in the form of a metal powder, metal wool or similar form presenting a large surface area and thereafter separating such solution from the metal.

2,138,146

ESTERS OF CELLULOSE AND THEIR PREPARATION

Camille Dreyfus, New York, N. Y., and William Whitehead, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application June 5, 1936, Serial No. 83,700
3 Claims. (Cl. 260—102)

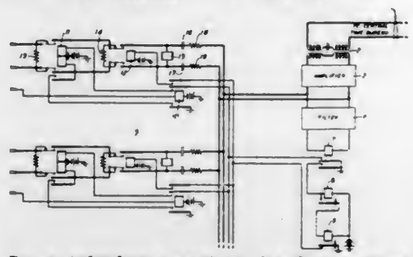
1. Process for removing sulphur impurities from cellulose esters, selected from the group consisting of cellulose nitrate, cellulose formate, cellulose acetate, cellulose butyrate and cellulose propionate, containing such impurities, which comprises dissolving the cellulose ester in a solvent therefor, heating the solution of the cellulose ester to a temperature of between 45° C. and 50° C., passing the hot solution of the cellulose ester through a column containing a mixture of metal wools, selected from the group consisting of steel wool, zinc wool and copper wool, in an amount sufficient to reduce the combined SO_4 content below .03%, and filtering the hot solution.

2,138,147

TIME OF DAY ANNOUNCING SYSTEM

George Frederick Drum, Millburn, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York

Application April 8, 1938, Serial No. 201,006
8 Claims. (Cl. 179—2)



1. In a telephone system having a time announcing bureau from which time-of-day announcements and a silent interval tone current are alternately transmitted, a toll office, an outgoing trunk local to said toll office, a toll trunk extending from said toll office to the time bureau, a relay associated with said toll trunk at the toll office and responsive to said silent interval tone current, means responsive to the operation of said relay during a silent interval and further means responsive to the release of said relay at the end of said silent interval to connect said local trunk to said toll trunk whereby the succeeding time announcement is transmitted over said local trunk.

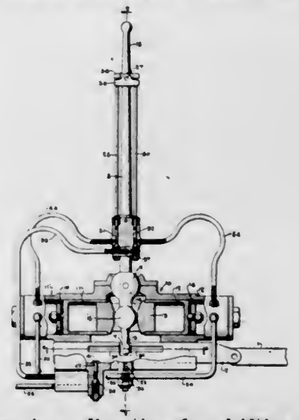
2,138,148

GEAR SHIFT

William F. Eckert, Ridley Park, Pa.

Application January 2, 1937, Serial No. 118,709
11 Claims. (Cl. 74—335)

1. A gear selector and shifting mechanism comprising, in combination, a fluid operated servo-motor, gear shift selector elements adapted to be operated by said servo-motor, manually selectable valves for controlling supply of operating fluid to said servo-motor, a lever adapted to be manually shifted to selective gear shift positions, and means whereby said lever must initially



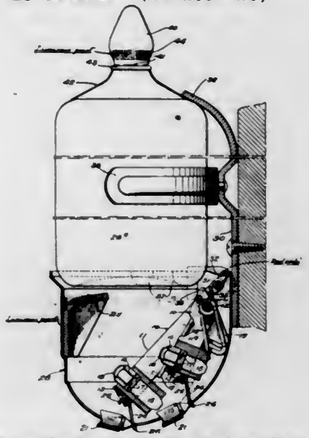
move a gear in a direction for shifting the same before power is supplied to said servo-motor including means moved by said servo-motor for supplementing the control of fluid supply thereto.

2,138,149

FIRE CONTROL APPARATUS

Powell Evans, Haverford, Pa., assignor to Merchant & Evans Company, Philadelphia, Pa., a corporation of Pennsylvania

Application February 1, 1934, Serial No. 709,382
13 Claims. (Cl. 169—26)



8. In fire control apparatus, a bracket, a frangible fire extinguishing container carried by the bracket, a fusible link withheld means to break the container and fusible link controlled means carried by the bracket and providing an automatic alarm prior to breakage of the container by the fusible link withheld means.

2,138,150

CUTTING EDGE BIT FOR GRADING EQUIPMENT

Theodore P. Flynn and Ray E. Neils, Portland, Oreg., dedicated to the free use of the People of the United States

Application October 6, 1937, Serial No. 167,502
3 Claims. (Cl. 37—143)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A cutting edge bit for the moldboard of a grading machine having a plurality of slotted

lugs secured to the back of the cutting edge bit designed to register with a plurality of slots in



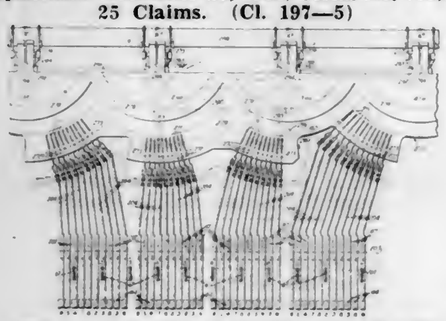
said mold board and to protrude therethrough, and spring wedge keys disposed in the slots of said lugs.

2,138,151

TYPEWRITING AND LIKE MACHINE

George G. Going, Utica, N. Y., assignor to Remington Rand, Inc., Buffalo, N. Y., a corporation of Delaware

Application December 20, 1934, Serial No. 758,358
25 Claims. (Cl. 197—5)



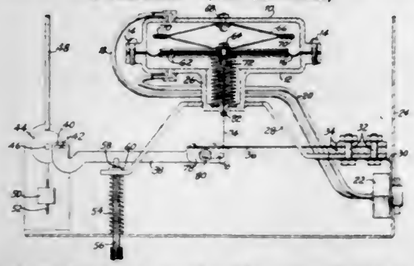
1. The combination of a carriage, a plurality of sets of printing instrumentalities, a set of printing keys, means controlled thereby for selectively and simultaneously actuating printing instrumentalities of different sets, and silencing means for rendering said printing keys ineffective to bring about an actuation of the printing instrumentalities of one or more sets without interfering with the effectiveness of said keys to bring about an actuation of the printing instrumentalities of the remaining set or sets, said silencing means including means by which it is automatically rendered effective or ineffective depending on the position of the carriage in its line of travel and including adjustable means that enable the point in the travel of the carriage where such means function to be varied as desired.

2,138,152

DIFFERENTIAL DRAFT GAUGE

George W. Grisdale, Chicago, Ill., assignor to Republic Flow Meters Company, Chicago, Ill., a corporation of Illinois

Application May 9, 1936, Serial No. 78,953
5 Claims. (Cl. 73—110)



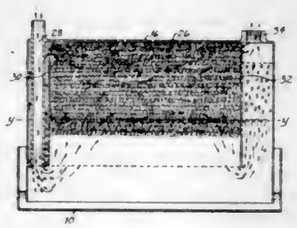
5. A draft gauge or the like comprising an adjustable bracket, an indicator mounted adjacent said bracket, a lever mounted on the bracket and operatively connected to the indicator, a pressure chamber mounted on the bracket and formed with an opening opposite a part of said lever, a diaphragm dividing said chamber into two parts, springs on opposite sides of the diaphragm in said chamber and which balance against each other, means for connecting two sources of pressure to said two parts of the pressure chamber, a wire tensioned between the diaphragm and said part of the lever and which passes through said opening, and packing means adhering to the wall of the pressure chamber and closely slidably embracing said wire, said wire being connected to the lever by a part about which the wire is wound and which is arranged to be turned to take up on the wire to change the range of operation of the gauge.

2,138,153

GAS-PURIFYING DEVICE

George W. Grisdale, Chicago, Ill., assignor to Republic Flow Meters Company, Chicago, Ill., a corporation of Illinois

Application May 16, 1936, Serial No. 80,205
8 Claims. (Cl. 23—284)



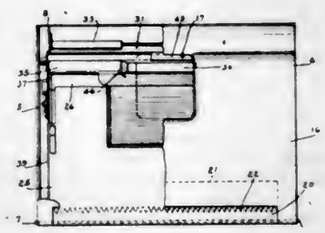
2. A device for absorbing sulphur dioxide from a stream of gas comprising upper and lower parts, the upper one carrying a fibrous mass of a metal capable of reacting with sulphur dioxide and water to give a soluble salt and the lower one containing water which when in use extends up into the mass of fibrous metal, said device having an intake port opening below the level of the water and an outlet passage having openings below the level of the water and above that level and in direct communication with said fibrous mass.

2,138,154

TOWEL DISPENSING APPARATUS

Albert C. Grunwald, River Forest, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah, a corporation of Utah

Application September 5, 1936, Serial No. 99,584
12 Claims. (Cl. 164—84.5)



1. A paper dispensing device having, a roll with

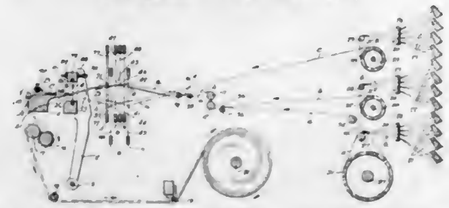
which the paper is frictionally engaged, movable means against which the paper is frictionally held by the finger as said movable means is moved in feeding direction, and means operated by said movable means to positively drive said roll to feed the paper in a manner to relieve pulling strain on the paper incident to finger action on said movable means.

2,138,155

WARP FEEDING AND TENSIONING MEANS

William H. Hall, Jr., Trenton, N. J., assignor to Thermoid Company, Trenton, N. J., a corporation of Delaware

Original application October 13, 1936, Serial No. 105,428. Divided and this application November 29, 1937, Serial No. 177,132
3 Claims. (Cl. 139—104)



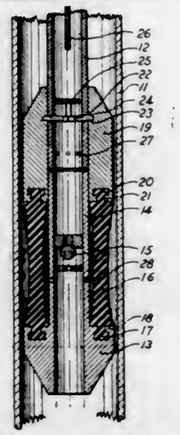
1. In a loom of the kind described employing a group of warp threads for each of the upper and lower base fabrics of a double pile fabric and a group of pile warps for connecting said base fabrics, the combination of a tension roll for each group of warp threads, with the tension roll for the warps of the lower base fabric of relatively greater diameter than the rolls for the other groups of said warp threads as and for the purpose described.

2,138,156

PACKER

Erle P. Halliburton, Los Angeles, Calif., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla.

Application November 16, 1936, Serial No. 111,049
6 Claims. (Cl. 166—13)



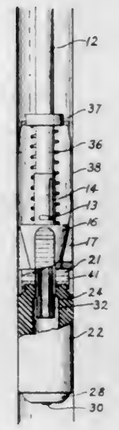
1. Apparatus for securing and sealing an element in a casing or the like which includes a packer, means for holding the packer in stretched position and substantially out of contact with the casing and latching means cooperating with said holding means and operable to release the same at will to enable the packer to contact the casing.

2,138,157

REMOVABLE PACKER FOR WELLS

Erle P. Halliburton, Los Angeles, Calif., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla.

Application March 5, 1937, Serial No. 129,205
11 Claims. (Cl. 166—12)



1. Apparatus adapted for use in the cementing of cased oil wells or the like and comprising a mandrel adapted to be secured to the lower end of drill pipe or tubing, a one-way valve structure carried by said mandrel for preventing the flow of fluid upwardly therethrough, a packer for sealing the valve structure to the casing of the well, slips for gripping the casing to prevent upward movement of the packer and valve structure and means controllable from the surface of the well for setting the slips and packer and then releasing the slips and packer whereby the slips, packer, valve structure and mandrel may be removed from the well after the same have been used therein to supply and hold cement in place in the well.

2,138,158

SEALING COMPOSITION FOR WATERLESS GAS HOLDERS

William Henry Hampton and Theodore William Doell, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware

No Drawing. Application February 9, 1934, Serial No. 710,582
11 Claims. (Cl. 196—149)

1. A sealing oil for waterless gas holders, said oil having a specific gravity greater than that of water, a viscosity below about 800 seconds furol at 50° F., an initial boiling point above about 400° F. and comprising a major proportion of an extract obtained by means of a selective solvent from a natural petroleum oil, said extract being largely soluble in liquid sulfur dioxide.

2,138,159

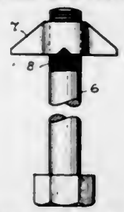
FRANGIBLE BOLT-HOLDING CONSTRUCTION

Frederick W. Hanks, Cleveland, Ohio

Application November 25, 1936, Serial No. 112,676
2 Claims. (Cl. 85—32)

1. A device of the character described, comprising a bolt-holding member of elongated form beveled down toward each end and with flat bear-

ing face and having a screw-threaded bolt-receiving opening, and a weakening groove across



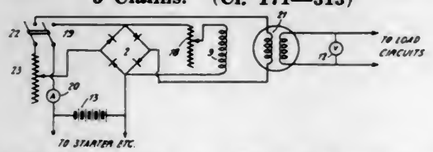
the flat bearing face on a short dimension at the screw-threaded opening.

2,138,160

AUTOMOTIVE ELECTRICAL SYSTEM

Clarence W. Hansell, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application April 14, 1934, Serial No. 720,559
3 Claims. (Cl. 171—313)



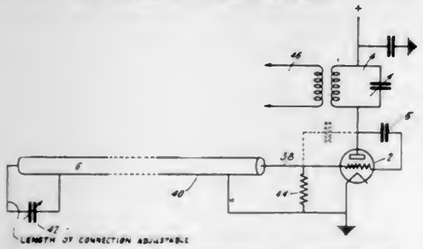
1. In combination, an alternating current generator, a balanced bridge connected copper oxide rectifier, said generator having two armature windings and a field winding, one of said armature windings supplying an alternating current load circuit, the other of said armature windings connected to said rectifier, a storage battery connected to said rectifier, said field winding connected to said storage battery, a resistance connected in series with said rectifier for controlling the charge rate of said storage battery, and a double pole switch, one pole of said switch connected in series with said battery and rectifier, and the other pole connected in a connection between said rectifier and the armature winding connected thereto.

2,138,161

OSCILLATORY CIRCUIT

Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Original application May 1, 1931, Serial No. 534,255, now Patent No. 2,017,093, dated October 15, 1935. Divided and this application March 19, 1935, Serial No. 11,896. Renewed October 5, 1937. In Australia April 18, 1932
24 Claims. (Cl. 250—36)



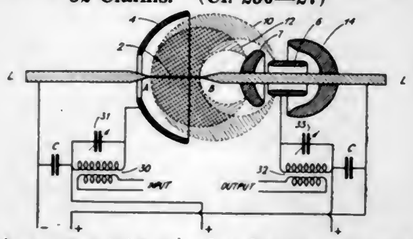
22. An oscillation generator comprising an electron discharge device having a cathode and a grid, a frequency stabilizing circuit comprising a pair of inner and outer coaxial conductors, connections from said grid and cathode to points on said conductors substantially near one of their adjacent ends, and variable means for coupling said conductors together at points substantially near their other adjacent ends for adjusting the frequency of the oscillation generator.

2,138,162

THERMIONIC TUBE AND CIRCUITS

Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application January 14, 1936, Serial No. 59,054
52 Claims. (Cl. 250—27)



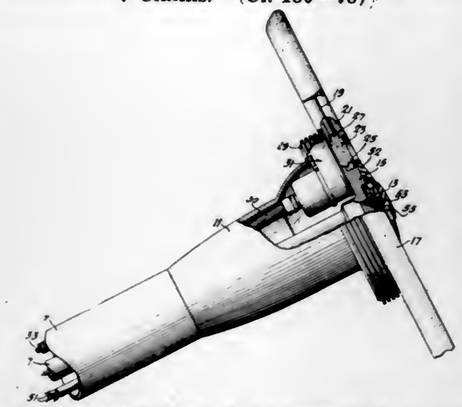
1. A vacuum tube or valve, having in combination an elongated cathode lying in the axis of said tube, an accelerating and focussing control electrode adjacent one end of said cathode and an anode, in which tube or valve the electron current from the cathode to the anode may be varied by varying the potential of the control electrode.

2,138,163

STEERING WHEEL INSTRUMENT PANEL

Bert C. Harris, Lansing, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application January 20, 1938, Serial No. 185,867
7 Claims. (Cl. 180—78)



1. In a steering wheel, an inner part, an outer part, a transparent annulus connected to and between said parts through the instrumentality of which annulus torque is transmitted between said parts.

2,138,164

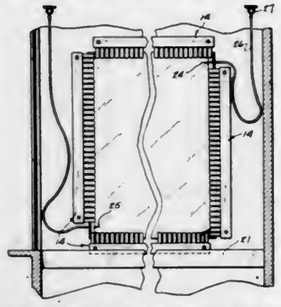
PROCESS AND APPARATUS FOR PRODUCING GLAZING UNITS

Charles D. Haven, Toledo, Ohio, assignor to Thermopane Company, Toledo, Ohio, a corporation of Ohio

Original application October 12, 1934, Serial No. 748,109. Divided and this application December 7, 1935, Serial No. 53,401
8 Claims. (Cl. 154—28)

1. The process of producing a multi-ply glass sheet glazing unit of the character described,

comprising a plurality of glass sheets and yieldable separator strips bonded between the glass sheets entirely around their marginal portions, including the steps of applying a coating of adhesive to opposite surfaces of the separator strips, placing the glass sheets and separator strips in proper superimposed relationship with the adhe-



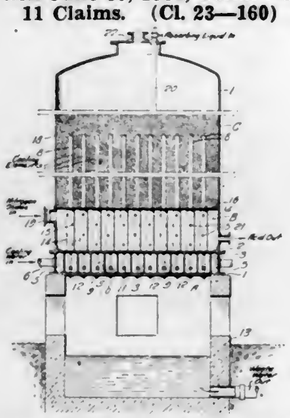
sive coated surfaces of said separator strips in contact with the glass sheets, then subjecting the marginal portions of the assembly so formed to light pressure in presence of heat to bond the separator strips between the glass sheets, and passing dehydrated air through the space between the glass sheets during the pressing treatment.

2,138,165

METHOD OF AND APPARATUS FOR ABSORBING OXIDES OF NITROGEN UNDER PRESSURE

Ingenuin Hechenbleikner, Charlotte, N. C., assignor to Chemical Construction Corporation, New York, N. Y., a corporation of Delaware

Application June 30, 1931, Serial No. 547,803
11 Claims. (Cl. 23—160)



10. A process for the production of acid by the absorption of a gas in a liquid which consists in making the liquid trickle through a layer of filler bodies and in contact with a bundle of cooled vertical tubes, contacting the liquid on its way with counter streaming gases to be absorbed, the gases thus being absorbed in the liquid and leading off the acid thus obtained.

2,138,166

SOLVENT REFINING OF PETROLEUM OILS

Arthur W. Hixson, Leonia, N. J., and Ralph Miller, New York, N. Y., assignors to The Chemical Foundation, Incorporated, a corporation of Delaware

No Drawing. Application November 6, 1937, Serial No. 173,194
15 Claims. (Cl. 196—13)

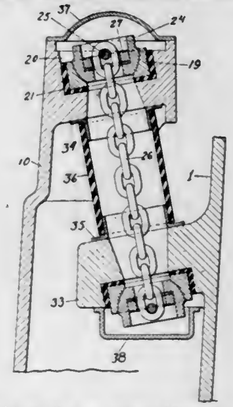
1. In the process of solvent refining of petroleum oils containing paraffinic and non-paraffinic constituents, the step consisting in separating the constituents by extracting with a nitrochloroparaffin.

2,138,167

CENTRIFUGAL MACHINE

Edward P. Holder, New York, and Edward L. Miller, Troy, N. Y., assignors, by mesne assignments, to American Machine and Metals Inc., New York, N. Y., a corporation of Delaware

Application March 16, 1936, Serial No. 69,056
6 Claims. (Cl. 210—71)



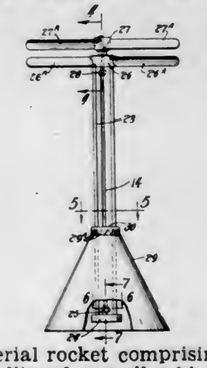
1. A mounting for a centrifugal machine having a casing and a basket rotatable about a vertical axis including in combination a plurality of pedestals, and suspension means between the pedestals and casing comprising supporting devices engaging the pedestals and casing, a non-rotating flexible connection between said supporting devices and a flexible grease-containing, grease-resisting closure about said flexible connection.

2,138,168

AERIAL ROCKET

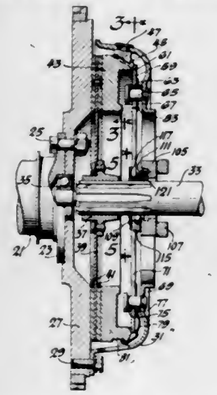
Anton Horak, Chicago, Ill.

Application May 18, 1936, Serial No. 80,359
10 Claims. (Cl. 46—75)



1. A toy aerial rocket comprising an elongated body, a plurality of propeller blades fixed to the upper end of said body, a second propeller mounted on the upper end of said body for rotation independent of and reverse in direction to that of said body and its attached propeller blades, an elongated rubber band having one end attached to the hub of said second propeller and its other end attached to said elongated body, and a conical body at the lower end of said elongated body.

2,138,169
CLUTCH
George Hunt, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 27, 1937, Serial No. 128,177
18 Claims. (Cl. 192—68)



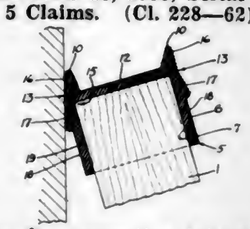
1. In a friction clutch, a driving member having a friction face, a cover secured to said driving member, a pressure plate, a driven member between said driving member and pressure plate, a pre-stressed Belleville spring to move said pressure plate towards said driving member, said spring having a peripheral circular region of contact with said pressure plate, means to connect said cover plate to said spring in a substantially circular line, radially within the circular region of contact with the pressure plate, said means comprising a circular series of headed elements carried by said cover, said spring having apertures to embrace said elements and fulcrum rings positioned about said elements on opposite sides of said spring, and means additionally to stress said spring to release the clutch.

2,138,170
AUTOMOBILE CLUTCH
George Hunt and William S. Wolfram, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 9, 1938, Serial No. 189,479
3 Claims. (Cl. 192—52)



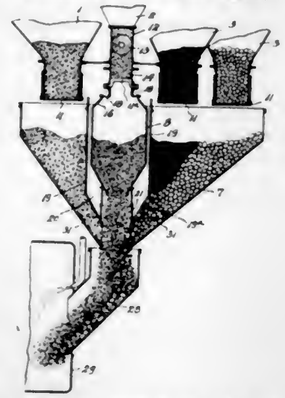
1. In a clutch, spaced driving members, a driven member adapted to be gripped between said driving members, said driven member comprising a hub, a driven plate secured thereto, a parallel plate, facings on the remote surfaces of said driven and parallel plates, means whereby said parallel plate has a limited axial movement relative to said driven plate, a spring annulus surrounding said hub, and second means whereby said parallel plate engages the outer periphery of said annulus to stress the same when the parallel plate is moved to engage the driven plate.

2,138,171
ANTISLIP DEVICE
Conrad B. Johnson, Eau Claire, Wis.
Application June 13, 1936, Serial No. 85,114
5 Claims. (Cl. 228—62)



1. A device for preventing lateral slip of the upper end of the stile of a ladder when in mounting position against a wall, composed of a single piece of material having a body having means by which the device is operatively secured to the stile, said body having two flexible anti-slip extensions rising above the body when the device is in use and alternately engageable with the wall as a result of reversal of the ladder.

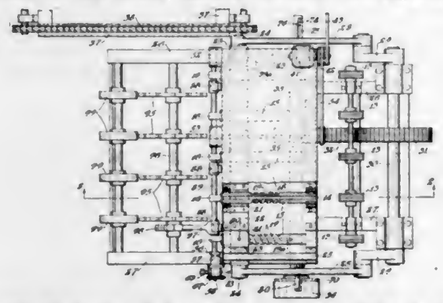
2,138,172
BATCHING APPARATUS
Charles S. Johnson, Champaign, Ill., assignor to The C. S. Johnson Company, Champaign, Ill., a corporation
Application February 10, 1937, Serial No. 125,167
6 Claims. (Cl. 259—168)



1. In a batching aparatus of the class described, in combination, a main hopper to receive aggregate material, an auxiliary hopper disposed within the main hopper, weighing mechanisms one for each hopper, and means for connecting the hoppers with the weighing mechanism therefor so that each hopper may move independently relatively to the other and the materials contained therein.

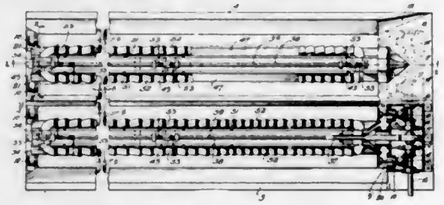
2,138,173
FENCE MAKING MACHINE
Vernie L. Johnson, Wyoming, Minn.
Application June 28, 1937, Serial No. 150,800
14 Claims. (Cl. 140—32)

1. A fence making machine comprising, a plurality of spaced, parallel shafts, wire twisting heads mounted on said shafts, means for feeding to each of said heads a pair of wires to be twisted, threads formed on said shafts, a carriage movable longitudinally of said shafts adjacent to the same, means on said carriage sev-



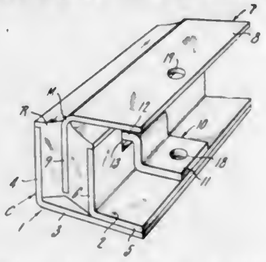
erally engaging the threads on said shafts and power-driven means for imparting reciprocating movement to said carriage to simultaneously turn said shafts.

2,138,174
FRUIT AND VEGETABLE TREATING MACHINE
Mabry D. Kennedy and John Gordon Johnson, Orlando, Fla.
Application May 8, 1934, Serial No. 724,595
15 Claims. (Cl. 146—202)



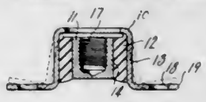
1. A fruit treating machine comprising a plurality of rotatable brushes, a plurality of rubbing boards adjacent the brushes, means to pivotally support the boards at points below the center line of the brushes, means to vary the angular position of the boards with respect to the brushes, means to adjust the boards vertically with respect to the brushes, means to rotate the brushes and means to reciprocate the rubbing boards in the pivotal supports whereby a rocking movement is imparted to said boards.

2,138,175
RESILIENT MOUNTING
Walter C. Keys, Detroit, Mich., assignor to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware
Application October 10, 1935, Serial No. 44,354
12 Claims. (Cl. 248—358)



1. A mounting for absorbing vibrations between two bodies comprising, a channel member having channel sides and a lateral extension adapted to cooperate with one body, an embraced member having an inner leg extending into said channel member and an overhanging leg extending angularly from said inner leg over the top of one of said channel sides and substantially parallel with said lateral extension and adapted to cooperate with the other body, and resilient rubber-like material embracing said inner leg and bonded thereto and to the sides of said channel member.

2,138,176
RESILIENT MOUNTING FOR ABSORBING VIBRATIONS
Walter C. Keys, Detroit, Mich., assignor to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware
Application October 10, 1935, Serial No. 44,355
11 Claims. (Cl. 248—358)



1. A mounting for absorbing vibrations between two bodies, said mounting comprising an outer hollow metal member having sides and a cross portion extending between said sides, said sides having flanges thereon adapted to be attached to one body, an inner member extending within said hollow member and adapted to support the other body, said cross portion having an aperture therein for the reception of means for attaching said other body to said inner member, rubber interposed between and vulcanized to said hollow member and said inner member, said rubber and inner member being nominally spaced from said cross portion, and said rubber being adapted to be stressed in shear by the load transmitted from one body to the other.

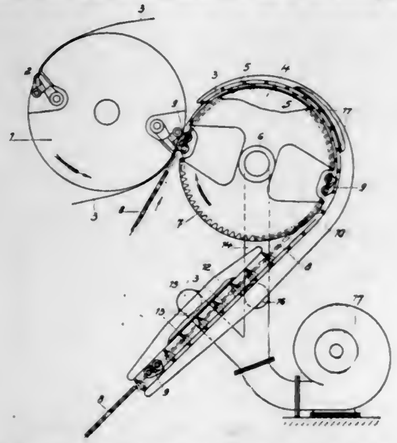
2,138,177
ANIMAL FOOD
Earl Kruger and Walter M. Kendall, Portland, Oreg., assignors to Kendall Dog Food Company, Portland, Oreg.
No Drawing. Application May 31, 1935,
Serial No. 24,400
1 Claim. (Cl. 99—7)

A foodstuff of the character described comprising approximately fifteen per cent comminuted dry-rendered baked meat reduced approximately to one-fourth of its original bulk, baked biscuit material approximately sixty per cent and the remainder including a dry cereal, the whole intermixed with a small quantity of viscous edible oil having anti-rachitic properties, said oil being intimately interspersed throughout said foodstuff, said baked biscuit material including a plurality of forms, each form having a meat content, each of said forms being fluffy and easily digestible, said forms being proportioned relatively to each other in said foodstuff to produce a predetermined meat ratio therein, one form containing a very small amount of meat and another a very large amount of meat.

2,138,178
SHEET DELIVERY DEVICE FOR PRINTING MACHINES
Karl Theodor Lang, Coswig-Dresden, Germany, assignor to Dresden-Leipziger Schnellpressen-Fabrik-A. G., Coswig, Germany
Application May 20, 1936, Serial No. 80,771
In Germany August 21, 1935
2 Claims. (Cl. 271—74)

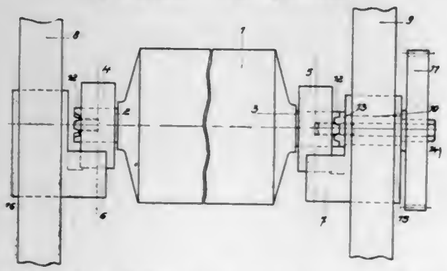
1. A sheet delivery device for printing machines, comprising conveying means for the

sheets, grippers on said conveying means for catching the sheets, a turning drum carrying said conveying means, guiding members extending outside the circumference of said turning drum,



blast nozzles on the surfaces of said drum and guiding members facing one another and means for producing drying air, said means being connected with said blast nozzles.

2,138,179
ROTARY PRINTING MACHINE
Karl Theodor Lang, Coswig-Dresden, Germany, assignor to Dresden-Leipziger Schnellpressen-Fabrik A. G., Coswig, Germany
Application May 20, 1936, Serial No. 80,773
In Germany May 22, 1935
4 Claims. (Cl. 101—153)



3. A rotary printing machine, comprising a rotary impression cylinder, a shaft for said cylinder, self-contained bearings arranged on the ends of said shaft, frame walls the clear width between which is greater than the cylinder axis, and vertically adjustable bearing holders in each frame wall for supporting said self-contained bearings for the impression cylinder.

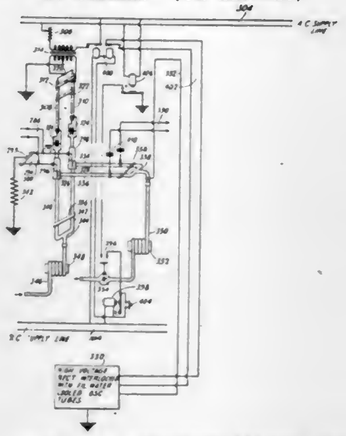
2,138,180
VENTILATOR OF THE LOUVER TYPE
Joakim Lehmkuhl, Oslo, Norway
Application March 31, 1937, Serial No. 133,973
In Norway April 3, 1936
4 Claims. (Cl. 98—101)

1. A ventilator comprising an open frame of rectangular cross section adapted to be mounted in an air passage, the current of which is to be controlled, a plurality of shutter plates hinged together in pairs and adapted to cover or uncover the said frame, one plate of each pair of plates being hinged to the said frame along one edge and to the other plate along the opposite edge, the latter plate being provided with a fixed arm extending into the said frame and



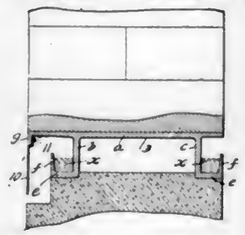
being provided at its free end with a link pivotally fixed in one end of said arm and at the other end to the frame at a point remote from the plates in their closed position.

2,138,181
SHORT WAVE SIGNALING
Nils E. Lindenblad, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Original application January 14, 1933, Serial No. 651,809. Divided and this application December 23, 1933. Serial No. 703,850
27 Claims. (Cl. 250—27)



1. An ultra high frequency system comprising an electron discharge device having a fluid cooled chamber, a linear conductor electrically and flow connected to said chamber for supplying cooling fluid thereto, another linear conductor electrically and flow connected to said cooling chamber for removing cooling fluid therefrom, one of said conductors forming a portion of a high frequency circuit and being a substantial fraction of the operating wave length long, and means for varying the effective electrical length of one of said conductors.

2,138,182
BUILDING STRUCTURE
Henry Clinton Lipthrott, St. Petersburg, Fla.
Application March 6, 1937, Serial No. 129,462
1 Claim. (Cl. 189—34)



A sill for building structures, comprising a bearing plate supported upon depending flanges, laterally extending dished flanges or troughs on the lower edges of said depending flanges, said bearing plate extending laterally beyond the dished flange on one side thereof, and an apron removably carried on the edge of the extended portion of the plate, substantially as described.

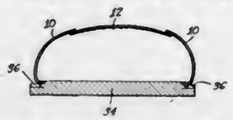
2,138,183
PROCESS FOR THE TREATMENT OF ROSINS AND METAL SALTS PRODUCED THEREBY
Edwin R. Littmann, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application June 12, 1936, Serial No. 84,877. Divided and this application September 9, 1936, Serial No. 100,043
16 Claims. (Cl. 260—100)

1. A compound of the formula R—COO—M in which R is the hydrocarbon nucleus of an acid of the group consisting of rosin, rosin acids, partially hydrogenated rosin, and partially hydrogenated rosin acids, which has, in the absence of any added substance capable of reducing the unsaturation of the hydrocarbon nucleus under the conditions of treatment, been treated with a disseminated hydrogenation catalyst which is subsequently removed from the compound, and M is a metal, the said compound being characterized by the fact that it has a lesser degree of unsaturation than that of a similar compound in which R is untreated.

2,138,184
TRANSPARENT ORGANIC DERIVATIVES OF CELLULOSE
Herbert E. Martin, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application January 22, 1936, Serial No. 60,268
1 Claim. (Cl. 106—40)

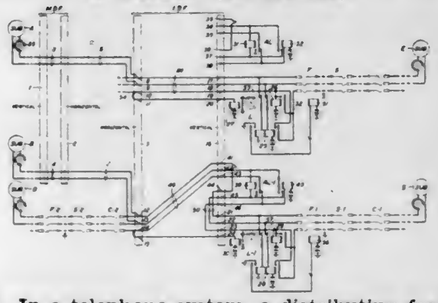
In a method of producing articles from solutions of cellulose acetate of high concentration, which articles are free from haze, powder spots and haze forming materials the steps of forming a solution comprising from 3 to 6 parts by weight of cellulose acetate and 100 parts by weight of a solvent therefor, treating said solution with metal wool, filtering said solution at an elevated temperature, concentrating the filtered solution to the required high concentration, and forming articles from said concentrated solution.

2,138,185
SHOEMAKING
Edward F. Mathews, Weymouth, Mass.
Application May 8, 1936, Serial No. 78,607
1 Claim. (Cl. 12—142)



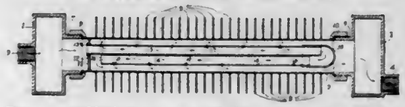
In the manufacture of shoes, the method which comprises providing a sole having a reduced upper margin forming a shoulder and a slit below said margin forming a marginal leaf, said leaf having perforations therethrough, raising said leaf, providing an upper having a perforated margin, lacing said raised leaf and upper together by hand, and then securing said leaf in its original position.

2,138,186
TELEPHONE SYSTEM
Marcellus Balli McDavitt, White Plains, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application November 23, 1935, Serial No. 51,314
6 Claims. (Cl. 179—18)



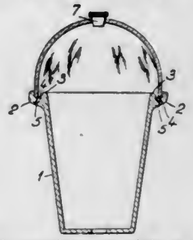
1. In a telephone system, a distributing frame having a horizontal terminal member and a vertical terminal member, a plurality of lines connected to said horizontal member, a plurality of line circuits connected to said vertical member, said line circuits being individual respectively to said lines, a plurality of control circuits connected only to said vertical member, and cross-connecting conductors for said horizontal and vertical members for connecting any one of said lines to its individual line circuit either directly or through any one of said control circuits.

2,138,187
RADIATOR
John McElgin, Philadelphia, Pa., assignor to John J. Nesbitt, Inc., Holmesburg, Philadelphia, Pa., a corporation of Pennsylvania
Application June 16, 1937, Serial No. 148,533
8 Claims. (Cl. 257—159)



1. In a radiator, spaced headers, an interconnecting condensing tube, and a distributing tube on the interior of said condensing tube defining a return path extending from a point adjacent one header through a bend adjacent the other header and thence to a point adjacent said first header.

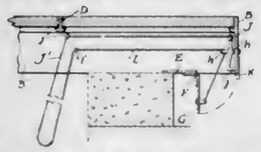
2,138,188
FLOWERPOT
Cornelius Cecil Morley, Trelawne, Looe, Cornwall, England
Application July 31, 1937, Serial No. 156,646
In Great Britain August 10, 1936
1 Claim. (Cl. 47—34)



A flower pot combined with a glass cover comprising a cover of a greater diameter than the

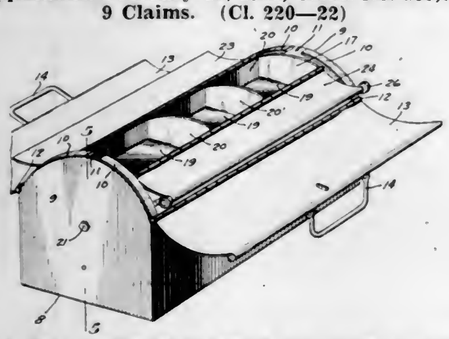
flower pot, a flange projecting outwardly from the rim of the pot a short distance below its top edge provided with spaced apart drainage openings and adapted to form a rest for the edge of the glass cover in a position on the flange leaving sufficient space between the rim of the pot and the rim of the cover to open said spaced apart openings which are adapted to convey away from the interior of the pot any moisture which has formed on the inner surface of said glass cover.

2,138,189
VENTILATING SKYLIGHT
Logan Willard Mulford, Long Island City, N. Y.
Application August 27, 1935, Serial No. 38,040
9 Claims. (Cl. 98—42)



1. A ventilating skylight structure comprising the combination of a skylight structure and a supporting roof curb, said skylight structure having deep load-carrying members extending transversely over the curb outside of the skylight roof opening providing a portion of the skylight structure overhanging the curb and spaced above the adjacent roof surface, an articulated ventilating control shutter attached to the bottom of the overhang of the skylight structure and means for remote control of the closing and opening of said shutter from the interior of the building.

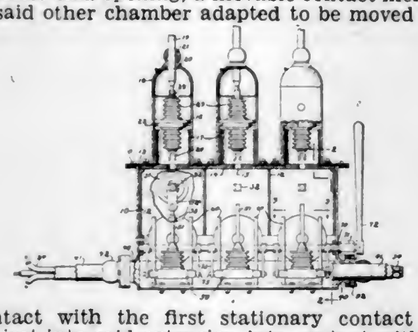
2,138,190
FISH TACKLE BOX
Orley V. Myers, Winona, Minn.
Application February 10, 1938, Serial No. 189,794
9 Claims. (Cl. 220—22)



1. In a device of the kind described, an outer casing, a drum-like box rotatably mounted in said casing and having circumferentially spaced compartments, a circular retaining rail on the end of said casing, said rail having a gap at its upper portion, and cover leaves hinged to said box and normally closing the compartments thereof, said leaves having projections working under said retaining rail, but adapted to pass through the gap thereof, to permit opening of the leaves of the upturned compartment.

2,138,191
ELECTRIC CIRCUIT CONTROLLING DEVICE
John D. Noyes, Detroit, Mich.
Application February 3, 1936, Serial No. 62,115
2 Claims. (Cl. 200—151)

1. A device of the character described comprising a sealed housing including a main casing, insulating partitions in said casing dividing the space therein into at least two chambers, an extension casing removably affixed to the main casing and separated therefrom by an insulating member provided with a relatively small opening, a stationary contact member mounted in one of said chambers and projecting through the partition into the other chamber, a stationary contact member mounted in said extension casing opposite said opening, a movable contact member in said other chamber adapted to be moved into



contact with the first stationary contact and project into said extension into contact with the second stationary contact, fixed baffle portions shielding each of said stationary contact members and arranged at an angle to each other, and a movable baffle adapted to travel with said movable contact member into and out of abutting relation with respect to said first mentioned baffles, in a path between said baffles, and means projecting from said casing for moving said movable contact member.

2,138,192
SYNTHETIC RUBBER COMPOSITION
Emil Ott, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 31, 1936, Serial No. 61,759
11 Claims. (Cl. 106—22)

1. A synthetic rubber composition including polymerized chloroprene and a gasoline insoluble chlorinated paraffin wax, the said composition being characterized by high resistance to swelling in gasoline.

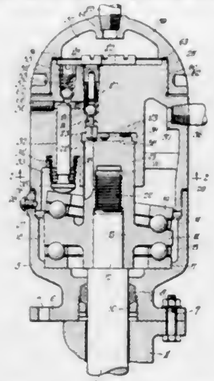
2,138,193
ESTERS OF PINE WOOD PITCH AND METHOD OF PRODUCING
Ernest G. Peterson, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 21, 1935, Serial No. 37,166
26 Claims. (Cl. 260—104)

1. The product of the reaction of an acidic pine wood pitch obtained by extraction of pine wood and comprising oxidized resinous matter, oxidized terpenes, polyphenols and polymerized terpenes with an alcohol.

2,138,194
HYDRAULIC PUMP
Edward M. Pfauser, Elm Grove, Wis., assignor to Blackhawk Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin
Application March 11, 1936, Serial No. 68,243
13 Claims. (Cl. 103—173)

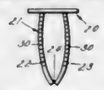
13. In combination, a substantially cylindrical housing having an intermediate member defining

an inlet chamber, a central axial recess in said member at the inlet side thereof, inlet passages extending from the inner end of said recess axially through said member to the opposite side thereof, check valve means intermediate the ends of said passages, means providing communication between the inlet chamber and said passages, a plurality of pump cylinders in said



member opening toward the inlet side thereof, plungers in said cylinders, wobble plate mechanism in said inlet chamber rotatable to successively depress said plungers, check valves between the inner ends of said cylinders and the outer end of said member, means journaling said mechanism in said recess, and passages between said inlet passages and the inner ends of said cylinders.

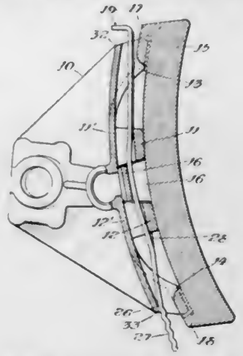
2,138,195
FASTENER
Bion C. Place, Detroit, Mich., assignor of one-half to George E. Gagnier, Detroit, Mich.
Application April 6, 1936, Serial No. 73,036
5 Claims. (Cl. 85—5)



1. A spring fastener constructed of sheet metal and designed for a circular opening including a shank consisting of two outwardly bowed relatively wide sheet metal legs, each leg having teeth formed at both edges thereof, and each leg being corrugated longitudinally toward the other leg to stiffen it and to dispose the edges of said legs approximately on a circle having the diameter of said opening.

2,138,196
BRAKE SHOE KEY
Allan L. Prentice, Cleveland, Ohio, assignor to The American Brake Shoe and Foundry Company, Wilmington, Del., a corporation of Delaware
Application March 20, 1936, Serial No. 69,906
6 Claims. (Cl. 188—243)

1. A brake shoe key made of spring metal and having a general bow rearwardly between its head and its lower end, and rigid locking means spaced apart on the key to engage spaced opposing faces on spaced parts of a brake head and prevent accidental displacement of the key from the keyway of the head and shoe, one of said locking means projecting from the key to increase the thickness thereof and being adapted for cooperation with the part of the head engaged thereby to insure tight engagement of the other locking means with the head so as to increase the tension of the key in event of movement of



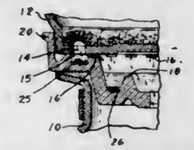
said one locking means over the opposing face of the part of the head engaged thereby.

2,138,197
ELECTRIC DISCHARGE LAMP
Hermann Pressler and Hans Richter, Leipzig, Germany, assignors to Radio Patents Corporation, New York, N. Y., a corporation of New York
Application November 20, 1935, Serial No. 50,640
In Germany November 29, 1934
4 Claims. (Cl. 176—14)



2. A gaseous discharge tube comprising a transparent envelope containing an electrode shaped to form a display insignia, a gaseous atmosphere, and means for coacting with said electrode to cause a glow discharge thereof within the gaseous atmosphere to illuminate said display insignia, the rear inner wall of said envelope being frosted for diffusing light from the discharge to form a visible background for said display insignia and prevent multiple reflections of the illuminated display insignia by said envelope.

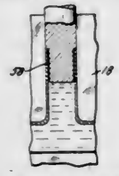
2,138,198
COFFEE MAKER
Walter C. Weber, Painted Post, and Edmund H. Wellech, Corning, N. Y., assignors to Corning Glass Works, Corning, N. Y., a corporation of New York
Application August 17, 1936, Serial No. 96,530
8 Claims. (Cl. 53—3)



1. In a coffee making apparatus, a brewing chamber for receiving a quantity of ground coffee and hot water, a receiving vessel for the brew, a combined valve and filter plate intermediate to said chamber and vessel initially preventing the passage of fluid through holes in the bottom of said chamber into said receiving vessel, said plate having a plurality of restricted fluid passageways therein brought into alignment with such holes by slight movement of said brewing chamber with respect to said plate, and a trough

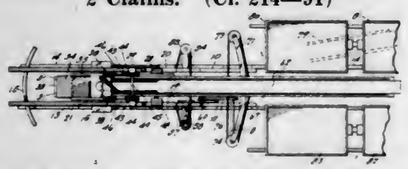
into which the flow of fluid entering said passageways is directed and one wall of which forms an overflow outlet into said receiving vessel.

2,138,199
METHOD OF MAKING METAL FITTINGS AND THE LIKE
Frans B. Wendel, Long Island City, N. Y.
Application September 28, 1935, Serial No. 42,625
8 Claims. (Cl. 113—44)



1. The method of forming a hollow wrought metal article from a hollow shell by the aid of a recessed die having a bore and a cavity intersecting said bore and having a cooperating punch, said punch having a pilot portion and a seating shoulder; which includes placing in the bore in said die a tubular shell having an open end, introducing an excess quantity of liquid into the shell, moving the pilot portion of the punch into the shell until said shoulder seats on the end wall of the shell and expelling excess fluid from the shell due to entry of said pilot portion into the shell, until said shoulder seats, positively trapping the remainder of said introduced liquid due to the seating of said shoulder to determine the quantity of liquid in the shell, continuing movement of the punch after said shoulder seats to force the open end of the shell longitudinally of said bore toward said cavity essentially by mechanical end pressure, and guiding the metal of the shell in contact with the walls of said cavity due to the internal liquid pressure induced by such continued movement of the punch.

2,138,200
MUCKING MACHINE AND CONVEYER SYSTEM
William A. Whitmire, Boca, Calif.
Application August 4, 1937, Serial No. 157,332
2 Claims. (Cl. 214—91)



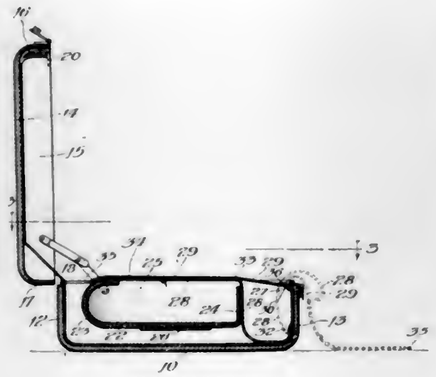
1. In a mucking machine having a carriage including side members, a mucking unit having frame support members and pivotally mounted on said carriage in superposed relation to said side members for angular adjustment in a horizontal plane, and a crowd operating between said support members, and a conveyer; means for unobstructively mounting said conveyer comprising, a pivot bracket extending over and about said side members and said support members and having its opposite ends secured to the outside of the respective side members and having a central pivot bearing; a tail-pulley bearing bracket having a central vertical pivot supported in said pivot bearing, providing an obstructionless mounting for the tail end of said conveyer as related to angular movements of the mucking unit and advance and retractive movements of said crowd.

2,138,201
WIRE DRAWING METHOD AND APPARATUS
William A. Whittaker, Dobbs Ferry, N. Y., assignor to Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware
Application February 6, 1937, Serial No. 124,352
7 Claims. (Cl. 205—14)



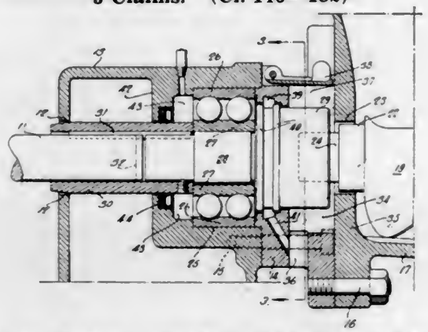
1. A method of wire drawing which comprises passing a wire through a succession of drawing dies, and bending said wire successively through turns of not less than 180° in planes positioned symmetrically about the center of said wire at angles of less than 180°.

2,138,202
SUITCASE
Elmer Ellsworth Wilt, Chicago, Ill.
Application March 25, 1937, Serial No. 133,022
2 Claims. (Cl. 190—41)



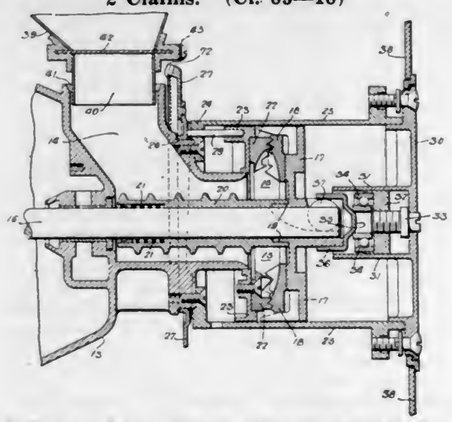
1. A suit case provided with a combination shoe holder and apron, comprising a relatively long, narrow piece of material secured along one longitudinal margin to the top wall of the suit case near its free edge, fasteners on the opposite longitudinal edge of said narrow piece of material, a pair of substantially rectangular panels of material, having their edges matched and connected together at three sides, fastening devices secured to the free edge of one of said panels for engagement with said first mentioned fasteners, the free edge of the other of said panels being secured to the inner surface of the top wall of the case near its junction with the side wall, and a line of stitches connecting said panels longitudinally and parallel with said fastening means between the shoe holder forming portion and the apron portion of said panels.

2,138,203
FOOD CHOPPER
Hans E. A. Rable, Philadelphia, Pa., assignor to The Enterprise Manufacturing Company, of Pennsylvania, Philadelphia, Pa., a corporation of Pennsylvania
Application July 13, 1938, Serial No. 219,085
3 Claims. (Cl. 146—182)



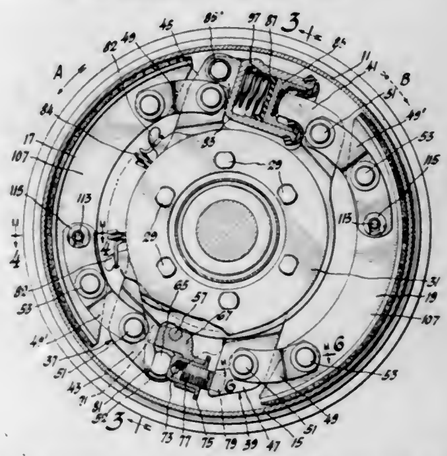
1. In a food chopper or the like, a base, a motor on the base and including an output shaft, a standard on the base, a grinder casing supported by said standard, a scroll in said casing and having a polygonally tipped shank freely extended through an opening in the standard-confronting wall of the casing, a thrust bearing in said standard and including inner and outer race elements, a stub shaft mounted in said bearing and having at one end a head socketed for the reception of the tip of said shank and at its opposite end a connecting element splined to the output shaft of the motor, said connecting element being fixed to said stub shaft and said connecting element and said head abutting opposite faces of the inner race element of the bearing.

2,138,204
COFFEE MILL
Hans E. A. Rabl, Philadelphia, Pa., assignor to The Enterprise Manufacturing Company, of Pennsylvania, Philadelphia, Pa., a corporation of Pennsylvania
Application July 9, 1936, Serial No. 89,827
2 Claims. (Cl. 83—18)



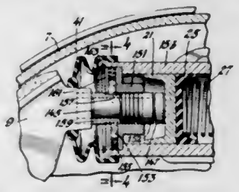
1. In a coffee mill, a feed spout, a plate longitudinally adjustable upon said spout, means to adjust said plate, a burr carried thereby, a shaft extending through the spout, means to rotate said shaft, a second plate secured to said shaft, a burr carried by said second plate, a tubular housing rigidly secured to said spout and slidably receiving the peripheral portions of said plates, a removable closure plate for the end of said housing and an adjusting means carried by said closure plate and operatively engaging the burr carried by the second plate.

2,138,205
INTERNAL BRAKE
Olaf Rasmussen and Gilbert K. Hause, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 24, 1936, Serial No. 65,227
14 Claims. (Cl. 188—152)



1. A brake comprising a drum, a pair of shoes within and adapted to engage said drum, first and second plates within said drum, means to mount both said plates for rotation, a fixed anchor member, the first plate having an arm adapted to engage a first face of said anchor member and the second plate having an arm adapted to engage a second face of said anchor member, floating brake applying means having two oppositely movable elements, the first plate having a projection adapted to be moved by a first one of said elements and the second plate having a projection adapted to be moved by the second of said elements and links connecting the ends of each of said shoes to both plates one to the first plate, the other end to the second plate.

2,138,206
SLACK ADJUSTER
Olaf Rasmussen and Richard C. Rike, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 28, 1936, Serial No. 82,207
1 Claim. (Cl. 188—79.5)



In brake mechanism, a rotatable member, a shoe adapted to engage the rotatable member and retard its rotation, brake applying means comprising a cylinder, a piston element therein, motion transmitting means between said piston ele-

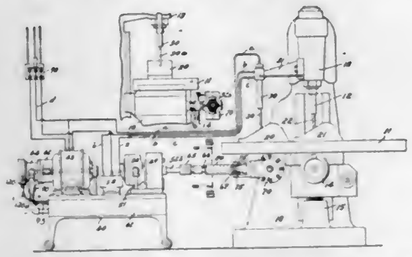
ment and shoe, said transmitting means including a reciprocable member having a plurality of axially displaced circumferentially disposed teeth, a plurality of pawls carried by the cylinder and spaced circumferentially, said pawls being disposed axially relative to each other, and yielding means pressing said pawls radially toward said teeth.

2,138,207
BOAT PROPULSION
Donald Roebling, Clearwater, Fla.
Application August 13, 1937, Serial No. 158,987
8 Claims. (Cl. 115—1)



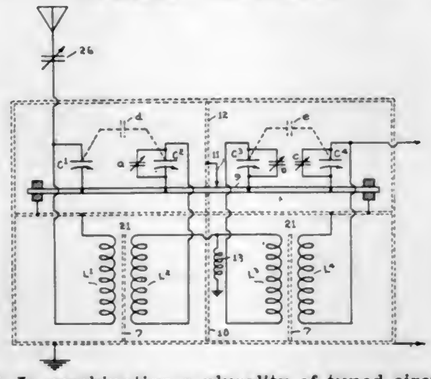
8. In dirigible water craft, a buoyant hull and means for propelling and positively steering said hull, said means consisting of a pair of similar endless belts, one mounted for annular movement along the port side of said hull and the other mounted for independent annular movement along the starboard side of said hull, a multiplicity of uniformly spaced impeller blades obliquely mounted upon the periphery of each of said belts in inverse arrangement jointly defining, in their active immersed zones, a forwardly-divergent herringbone pattern characterized by an angular spread of approximately one hundred and thirty degrees bisected by the longitudinal axis of the hull, driving means for imparting annular movement to the port belt, independent driving means for imparting annular movement to the starboard belt, and means for controlling the relative rates of movement of said two independent driving means to selectively operate said port and starboard belts in unison or at desired differential speeds and effective, through the defined forwardly-divergent arrangement of the belt-carried blades, to steer said craft by direct propulsive efforts without resort to a rudder or like steering mechanism.

2,138,208
DUPLICATING MACHINE
Oscar E. Rosen, Detroit, Mich.
Application April 21, 1937, Serial No. 138,140
9 Claims. (Cl. 90—13.5)



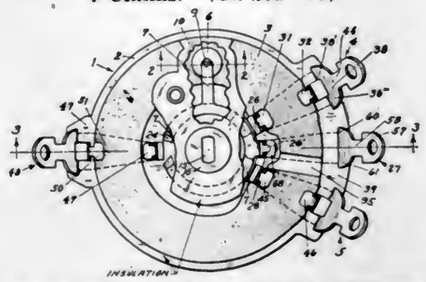
1. A tracer controlled operating unit for a feed screw of a cutting machine comprising a motor adapted to be continuously operated, a shaft adapted to be operated in either a forward or reverse direction or alternately and connected to a feed screw, hydraulic power transmission means connecting the motor and shaft and means controlled by said tracer for determining the direction and continuance of said power transmission.

2,138,209
SELECTIVE TUNING SYSTEM
Stuart W. Seeley and Theodore J. Scofield, Jackson, Mich., assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application October 5, 1929, Serial No. 397,491
16 Claims. (Cl. 178—44)



6. In combination a plurality of tuned circuits each including a coil and a variable condenser, a common conducting base for supporting said condensers, a common conducting shaft for said condensers journaled at its ends in said conducting base, means on said base for supporting said coils adjacent the respective tuning condensers, one side of certain of said coils being connected to said conducting base through said supporting means, and means for grounding said shaft to said conducting base at a point intermediate its ends.

2,138,210
CONTROL DEVICE
Newton C. Schellenger, Elkhart, Ind., assignor to Chicago Telephone Supply Co., Elkhart, Ind., a corporation of Indiana
Application February 17, 1934, Serial No. 711,644
7 Claims. (Cl. 201—55)

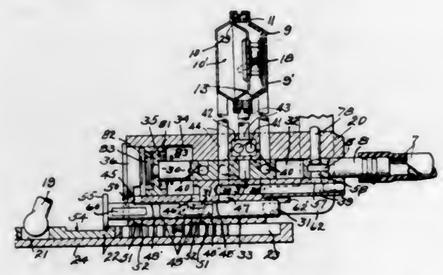


1. A variable assistance device comprising a base, a plurality of apertures in said base, a resistance element comprising a support and a conductive film carried by said support, disposed on said base between said apertures and having a relatively smooth contact surface, a terminal for said resistance element extending between said apertures and having portions registering therein for effecting self-clamping engagement with said base and said resistance element, and adjustable contacting means engageable with said resistance element for varying the effective resistance of the device.

2,138,211
PROTECTIVE COATING
Paul Schnorf, Wiesli, Switzerland, assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application May 9, 1936, Serial No. 78,854. Divided and this application December 21, 1936, Serial No. 116,999
17 Claims. (Cl. 134—79)

1. A protective coating composition including a volatile solvent and a polymerized rosin ester characterized by a viscosity characteristic and a molecular weight substantially higher than the corresponding unpolymerized rosin ester.

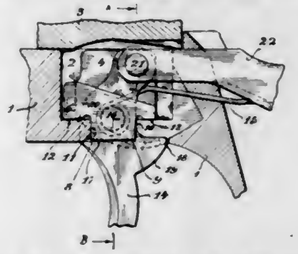
2,138,212
WINDSHIELD CLEANER MOTOR
Theodore J. Scofield, Jackson, Mich., assignor to The Sparks-Withington Company, Jackson, Mich., a corporation of Ohio
Application November 6, 1936, Serial No. 109,567
4 Claims. (Cl. 121—48)



2. A speed control for a fluid pressure motor having a valve support provided with fluid passages connected with the pressure chambers of the motor and with the atmosphere and a suction passage adapted to be connected with a source of suction, a main control valve associated with the suction passage, said valve being provided with suction and atmosphere ports, means for actuating the valve by differential fluid pressure for bringing the ports into and out of registration with the passages to alternately connect the pressure chambers with the source of suction and with the atmosphere, and spring means interposed between the valve support and said first mentioned means independent of said suction passage for automatically controlling the degree of registration of the ports with said fluid passages during fluctuations in the magnitude of the fluid pressure in said suction passage to maintain a substantially constant rate of operation of the motor.

2,138,213
FIRE ARM
Alex Seidel, Oberndorf-on-the-Neckar, Germany, assignor to Mauser-Werke A.-G., Oberndorf-on-the-Neckar, Germany, a joint-stock company of Germany
Application August 20, 1935, Serial No. 37,078
In Germany August 10, 1934
7 Claims. (Cl. 42—4)

1. A fire arm comprising a hollow stock, a frame capable of being inserted into and removed from the cavity of the stock through an opening therein and having side plates of which one is higher than the other, said cavity being shaped to hold the inserted frame against movement in any direction except that of removal, a trigger pivoted in said frame and removable therewith through the opening, and means cooperating with the higher side plate for closing the opening and forming the

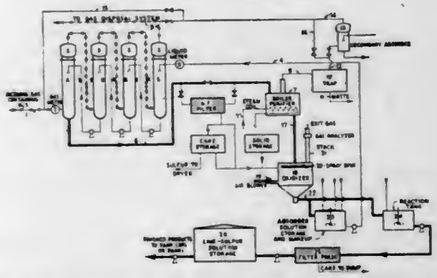


sole means for completing the fixation of said frame in said cavity.

2,138,214
PROCESS FOR THE PRODUCTION OF PRECIPITATED SULPHUR
William H. Shiffler and Philip S. Danner, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
No Drawing. Application July 8, 1935, Serial No. 30,352
1 Claim. (Cl. 23—224)

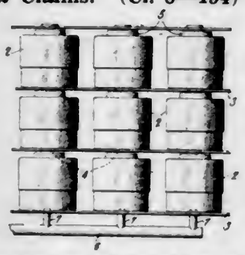
A process for continuously producing in the same cycle of operations, sulphur in a state of purity and fine subdivision adapted to application as a dust or aqueous suspension to horticultural crops and lime sulphur of a purity suitable for horticultural use, said cycle comprising the steps of reacting calcium hydrosulphide solution with lump sulphur and hydrated lime at a temperature of substantially 150° to 190° F., of removing a portion of the pentasulphide solution produced and of reacting the remainder with hydrogen sulphide at a temperature of 60°–100° F. whereby elementary sulphur is precipitated, of separating said sulphur and recycling the solution for reaction with further lump sulphur and hydrated lime.

2,138,215
PROCESS FOR PRODUCING SULPHUR COMPOUNDS
William H. Shiffler and Melvin M. Holm, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application July 8, 1935, Serial No. 30,355
9 Claims. (Cl. 23—138)



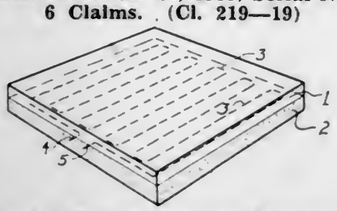
1. The method of oxidizing hydrosulphide solutions by means of an oxygen containing gas, in the presence of an insoluble metal sulphide catalyst and while hydrogen sulphide is maintained at a partial pressure greater than its equilibrium pressure at the reaction temperature over the hydrosulphide solution alone by reacting elementary sulphur with said hydrosulphide solution.

2,138,216
AFTER TREATMENT OF PACKAGES OF SPOOL SPUN SILK
Alfred E. Sunderland, Asheville, N. C., assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
Application May 5, 1937, Serial No. 140,929
2 Claims. (Cl. 8—154)



2. In the treatment of dried twisted threads of artificial silk in porous package form, a method which consists of the steps of winding the dried threads onto covered supports to form packages, removing the porous packages and coverings together and folding the coverings back over the outer walls of the packages to provide a protection against wet treating operations, arranging the interiorly unsupported packages on a perforated tray, loosely positioning hollow foraminated inserts in each package so that each insert is located above each perforation, placing another perforated tray over the packages so that each perforation is correspondingly above each insert, swelling each package in all directions by forcing a wetting and bleaching solution through the bodies of the packages to bleach the same and simultaneously effecting the formation of liquid-tight joints between the packages and trays and between the packages and inserts.

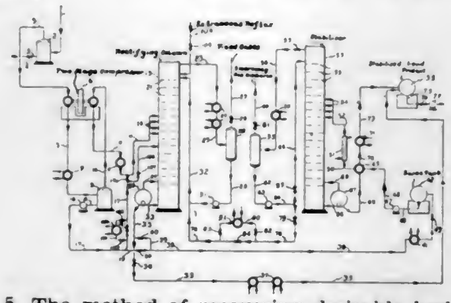
2,138,217
ELECTRICAL HEATING SYSTEM
Roser B. Sutter, Newark, N. J.
Application December 24, 1935, Serial No. 56,094
6 Claims. (Cl. 219—19)



6. A heat radiating structural floor slab or wall panel comprising alkaline proof enamel coated metallic aggregates bound with oxichloride cement and an electrical resistor embedded therein.

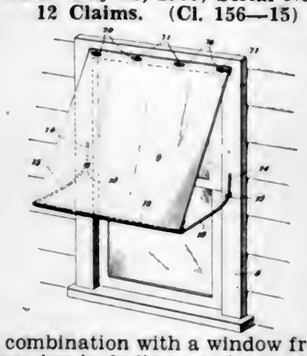
2,138,218
METHOD OF RECOVERING HYDROCARBONS
Paul M. Raigorodsky, Tulsa, Okla., assignor to Petroleum Engineering Inc., Tulsa, Okla.
Application September 4, 1936, Serial No. 99,482
14 Claims. (Cl. 196—7)

1. The method of recovering desirable hydrocarbons from a gaseous charge containing said hydrocarbons which comprises, compressing said charge, subjecting the resulting compressed fluid to a rectifying step conducted under pressure to rectify said fluid and to recover therefrom said desirable hydrocarbons and changing the composition of the normal reflux made in said rectifying step and used therein by adding thereto undesirable lighter hydrocarbons, and thereby reducing the amount of desirable hydrocarbons that would otherwise be present in the normal reflux.



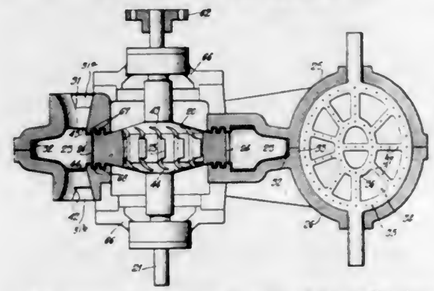
5. The method of recovering desirable hydrocarbons from a gaseous charge containing said hydrocarbons together with undesirable lighter hydrocarbons which comprises, subjecting said charge to compression whereby said charge is compressed and heated, subjecting the resulting heated and compressed fluid to rectification in two rectification stages to separate said fluid into a stabilized fraction containing said desirable hydrocarbons which is withdrawn from the second of said rectification stages and a fraction consisting substantially only of said undesirable lighter hydrocarbons which is also withdrawn from said second rectification stage, adding a portion of the latter fraction to the normal reflux made in said first rectification stage and used therein to thereby reduce the amount of desirable hydrocarbons that would otherwise be present in said normal reflux, and discharging substantially all of said undesirable lighter hydrocarbons contained in said charge from said first rectification stage.

2,138,219
TENSIONED AWNING
Oscar C. Tabb, Waco, Tex., assignor to Crawford-Austin Manufacturing Co., a corporation of Texas
Application May 28, 1938, Serial No. 210,765
12 Claims. (Cl. 156—15)



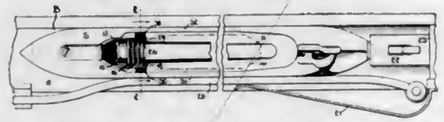
10. In combination with a window frame or the like, an awning including a web attachable at its top to the upper part of the window frame and a base frame on which the web is mounted at its lower end, eyes on the sides of the window frame, resilient members extending from said base frame and having angled terminal portions insertable through said eyes, the length of said web being less than the straight line distance between its point of top attachment and the outermost portion of the base frame prior to top attachment of the web and said terminal portions having a fulcrum bearing on said eyes, whereby on attachment of the web at its top the upward pull of the web on the base frame rocks said terminal portions on their eye fulcrums against the sides of the window frame into tight bearing contact under spring tension imparted by flexation of said resilient members under the upward pull of the web.

2,138,220
INTERNAL COMBUSTION TURBINE
William E. Trumpler, Easton, Pa.
Application December 12, 1935, Serial No. 54,078
5 Claims. (Cl. 60—41)



1. An internal combustion turbine which comprises a rotor having impeller blades spaced about its periphery, a casing enclosing said rotor and impeller blades and forming a space about a part of the circumference of said rotor to receive air compressed by said impeller blades and forming a turbine space about the balance of said circumference, said casing having an inlet in one side wall entering said air-receiving space and having an outlet in the opposite wall of said casing from said turbine space and having a combustion zone between said air-receiving space and said turbine space and means in said combustion zone to admix and ignite air and fuel, said inlet and outlet overlapping between the turbine and compressor spaces on the side opposite the combustion chamber, and said impeller blades having surfaces inclined to cause a scavenging current of air to pass crosswise of said blades from said inlet to said outlet.

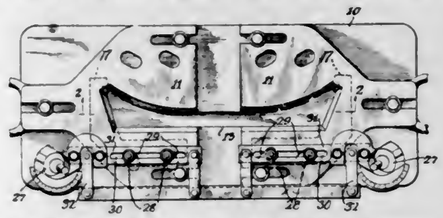
2,138,221
SHUTTLE FOR AUTOMATIC LOOMS
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application January 2, 1937, Serial No. 118,787
4 Claims. (Cl. 139—207)



1. In a shuttle for an automatic loom, integral spaced resilient bobbin holding jaws mounted in the shuttle, a bobbin having rings held by the jaws and tending by the momentum thereof to spread the jaws apart when the shuttle is boxed, and a block of slightly resilient material for each jaw, each block located between and contacting the corresponding jaw and an adjacent part of the shuttle adjacent to the rings, said blocks resisting the tendency of the jaws to spread apart when the shuttle is boxed.

2,138,222
MEANS FOR FOLDING COLLAR CORNERS
Howard C. Underwood, New York, N. Y.
Application November 13, 1934, Serial No. 752,800
2 Claims. (Cl. 223—38)

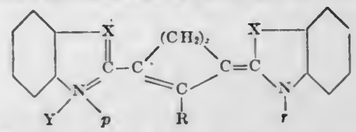
1. An infolding die for the hems of collars and the like, comprising a plate having an underside defining in general an under plane which in operation is parallel to or coincident with the plane of the body of the collar or the like being folded and providing a first edge parallel to and facing toward the hem fold of the said collar for forwardly engaging a partially folded hem and infolding said hem as the said die is moved forwardly inward toward and over said hem, said die providing a hooked portion projecting from the said first edge of the die in a direction forwardly of said edge toward the body of the collar or the like being folded whereby said hook provides a



second edge angularly disposed with respect to the first edge and intersecting the same, one of said edges having a depth depending substantially to said plane in a direction normal to said plane and the other edge next the point of intersection of said edges being spaced above said plane with the contiguous undersurface of the die to such spaced edge sloping rearwardly downward to said plane and forming a shoulder on the underside of said die extending from the said point of intersection rearwardly away from the same and at other than a straight angle with respect to both said edges.

2,138,223
POLYMETHINE DYES
Gustav Wilmanns, Wolfen, Kreis Bitterfeld, and Wilhelm Schneider, Dessau, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
No Drawing. Application October 20, 1936, Serial No. 106,566. In Germany October 31, 1935
8 Claims. (Cl. 260—240)

2. A dye corresponding with the formula

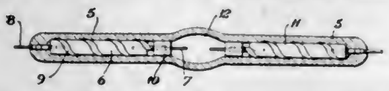


wherein
X=a member selected from the group consisting of oxygen, sulfur and selenium,
Y=an anion,
Z=a whole number from 1 to 6,
r=alkyl,
R=a member selected from the group consisting of hydrogen and methyl.

2,138,224
METHOD OF SEALING ELECTRICAL CONDUCTORS INTO VITREOUS ENVELOPES
Hans Pius Barasch, Kensington, London, England
Application January 11, 1938, Serial No. 184,484
In Great Britain January 12, 1937
4 Claims. (Cl. 176—126)

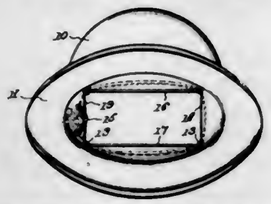
1. In an electrical discharge device, an envelope and a seal for a leading-in conductor comprising a tube of refractory vitreous material

forming a continuation of the envelope of said device, a rod of the same material as said tube



inserted in the bore of said tube and fused thereto, and a thin metallic ribbon wrapped helically around said rod between said rod and said tube.

2,138,225
HAT STRUCTURE
Carl Richard Borkland, Boston, Mass.
Application July 3, 1935, Serial No. 29,725
7 Claims. (Cl. 2—181)



1. In combination with a hat, the crown portion of said hat having slits therein, buttons larger than said slits fitted on the outside of the crown against said slits, anchorage devices on said buttons projecting through said slits into the inner space of the crown of the hat, and an elastic tape engaged in said anchorage devices and having its runs subtending arcs of the circle of the crown of the hat, said runs extending continuously around the circumference of the hat crown, said runs at the anchorage points being spaced away from the inner wall of the brim to avoid moisture being transferred from the tape to the hat crown.

2,138,226
AQUEOUS DISPERSION OF POLYMERIZED HALOGEN-2-BUTADIENES-1,3 AND PROCESS OF PREPARING SAME
Benton Dales, Chadds Ford, Pa., and Frederick Baxter Downing, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 2, 1937, Serial No. 128,630
24 Claims. (Cl. 134—26)

1. An aqueous dispersion of a halogen-2-butadiene-1,3 containing as an emulsifying agent a salt of an organic base selected from the group consisting of simple salts of inorganic acids and organic bases of high molecular weight and complex quaternary ammonium salts which in aqueous solution contain the following nucleus



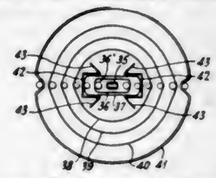
in which R_1 is an alkylene group and R_2, R_3 and R_4 are alkyl groups, one of which four groups represented by an R contains more than 5 carbon atoms and the other three of which contain less than eight carbon atoms, in which N is separated from X by less than 5 carbon atoms and in which X—O— is an acidic salt forming group, the free valences of the nitrogen and of the oxygen in the nucleus being satisfied in the salts by each other or by the ions of a neutral salt.

2,138,227
INSOLE AND METHOD OF MAKING SAME
Isaac F. Damon, Belmont, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y., a corporation of Delaware
Application March 18, 1936, Serial No. 69,491
5 Claims. (Cl. 12—146)



1. An insole formed of relatively easily compressible material having permanently uniformly compressed relatively thin heel, shank, and marginal forepart portions and a thicker relatively uncompressed central forepart portion of lesser density and greater flexibility than said shank and heel portion.

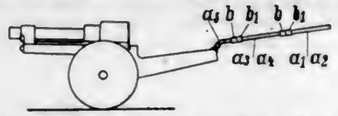
2,138,228
ELECTRON DISCHARGE DEVICE
Ruth J. Erichsen, East Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application August 13, 1937, Serial No. 158,894
4 Claims. (Cl. 250—27.5)



4. An electron discharge device containing a thermionic cathode having two opposite flat surfaces coated with electron emitting material the surfaces between being uncoated, a control grid surrounding said cathode and having grid wires parallel to the flat emitting surfaces of said cathode and a pair of oppositely disposed side rods positioned adjacent the non-emitting surfaces of said cathode whereby a pair of oppositely directed beams of electrons is formed, and an anode for receiving said beams of electrons, a screen grid surrounding said control grid, a second control grid surrounding said screen grid and adapted to have varying negative and positive potentials of high frequency applied thereto, and a pair of oppositely disposed channel shaped members supported by and electrically connected to said screen grid and providing a pair of apertures in said screen grid through which the beams of electrons pass, said channel shaped members having fins bent outwardly at an angle from the beams of electrons and coextensive with and along the edges adjacent the beams of electrons for receiving electrons returned by said second control grid when a negative potential is applied thereto during the operation of said electron discharge device.

2,138,229
MEANS FOR PORTAGING GUNS
Wilhelm Figge, Dusseldorf, Germany, assignor to Rheinmetall-Borsig Aktiengesellschaft, Dusseldorf, Germany, a corporation of Germany
Application January 25, 1937, Serial No. 122,304
In Germany March 18, 1936
2 Claims. (Cl. 89—40)

1. In a gun mount, a draft shaft for normal traction adapted to be divided in sections, forming carrying-poles, and having complementary coupling members for jointing and disjointing said draft shaft sections, and corresponding cou-



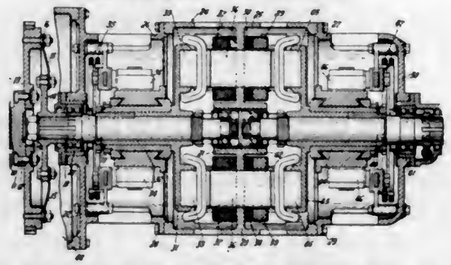
pling members on the gun mount parts for rigidly connecting said parts with the carrying-poles for transporting the individual loads of the dismounted gun mount.

2,138,230
WEARING APPAREL
Sigmond Friedman, New York, N. Y.
Application February 25, 1938, Serial No. 192,632
2 Claims. (Cl. 2—71)



1. A bifurcated garment comprising right and left body and leg sections having adjacent edges connected together from the waistline in the back down through the crotch to the front midsection of the abdomen, said edges in the front terminating at the midsection of the abdomen, cooperating slide fastener elements attached along each of said adjacent edges, said edges being attached together so as to connect said right and left body and leg sections to form a pair of trousers, pleats formed on each body and leg section in the front and back and extending from the waistline to the bottom of the leg portions, and means for fastening the adjoining pleats of each leg portion in the front and back along their meeting edges to close the front and back of said body and leg portions to simulate a skirt.

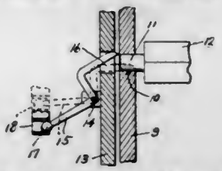
2,138,231
ELECTRIC TRANSMISSION
Charles W. Gebhardt, Kent, Ohio, assignor to Charles G. Gebhardt, San Francisco, Calif.
Application December 5, 1936, Serial No. 114,394
15 Claims. (Cl. 290—17)



1. An electric transmission comprising a generator and motor having a common field structure, a circuit for conducting electrical energy from the generator to the motor, mechanically operated means to close the circuit, mechanically operated means for reversing the direction of flow through the motor, and means for preventing operation of one of said mechanical means while the other is being operated.

15. An electric transmission comprising a combination generator and motor having a common field structure and enclosed in a single housing, and a partition wall or the like dividing said housing and supporting said field structure without constituting a part of the magnetic circuit.

2,138,232
BOTTLE VENDING MACHINE
Louis L. Giannini, San Jose, Calif.
Application July 2, 1937, Serial No. 151,745
2 Claims. (Cl. 74—155)



1. In a device of the class described, a disc on the shaft having holes therein, a spring lock for engaging the holes to hold the disc and shaft against movement, a member rotatably supported on the hub of the disc, a lever carried by said member, means for tilting the lever to first cause it to push the lock from a hole and then to partially rotate the disc and shaft, after which the parts are again locked by the lock engaging the next hole, and a manually operated member to actuate the lever.

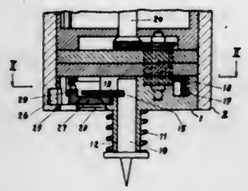
2,138,233
MECHANICAL PENCIL
Paul S. Hauton, Atlanta, Ga.
Application September 15, 1936, Serial No. 100,808
8 Claims. (Cl. 120—18)



1. A mechanical pencil which comprises an exterior part, a propeller helix therein, a driving sleeve surrounding a portion of the helix and tightly fitted thereto and a tension brake member within the exterior part and bearing outwardly on the wall of the exterior part and inwardly against the outer wall of the driving sleeve.

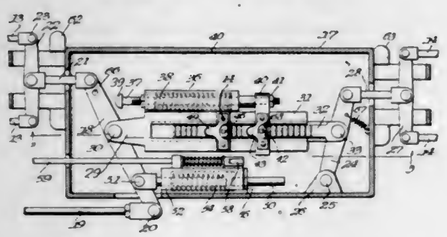
8. A bearing for mechanical pencils comprising a polygonal flange and a plurality of dependently staggered ears, some of which are adapted to spring outwardly to engage the inner wall of a cylindrical pencil member surrounding the dependent ears and some of which form a bearing for the lead moving mechanism.

2,138,234
PROJECTILE FUSE
Pierre Henry, Geneva, Switzerland, assignor to Mefina S. A., Binningen, Switzerland, a corporation of Switzerland
Application May 10, 1938, Serial No. 207,085
In Switzerland May 25, 1937
16 Claims. (Cl. 102—36)



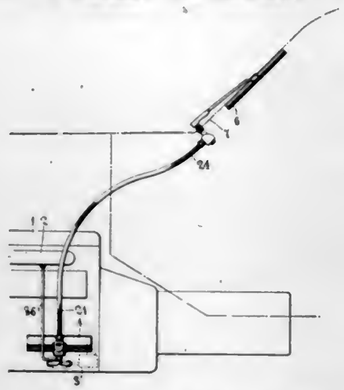
1. A safety mechanism for clockwork time fuses of projectiles, comprising a rotary clockwork driven time setting control member, a safety bolt adapted to be displaced by centrifugal force when the projectile is in flight, means urging said bolt to an inner position when not subjected to the centrifugal force of flight, and means on said safety bolt cooperating with the setting control member when the bolt is in its inner position for limiting rotary movement of said member in a given direction to determine the zero position of said member and for locking said bolt against accidental release, said means on the bolt permitting movement of the setting member in an opposite direction but acting in the absence of centrifugal force on said bolt to again limit movement in said given direction beyond the zero setting, said bolt when subjected to centrifugal force being displaced to shift the means carried thereby out of cooperative engagement with said member.

2,138,235
VEHICLE BRAKE EQUALIZER
James Amos Hicks, Atlanta, Ga., assignor of one-half to A. L. Belle Isle, Atlanta, Ga.
Application October 26, 1935, Serial No. 46,938
12 Claims. (Cl. 188—196)



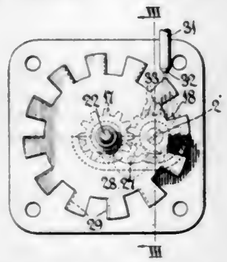
1. A brake equalizing device for vehicles including a pair of brake levers, means positively connecting the levers to the brakes, a yoke member connected to one of the levers, a bar member connected to the other lever and having its free end portion movable between the arms of the yoke member, means normally preventing movement of the members relative to each other, a movable carriage operable by one of said levers, said carriage having means releasably securing it to said bar member, and means when the carriage is held by the bar member for moving said members and levers towards each other to take up slack in the braking apparatus.

2,138,236
MOTOR VEHICLE
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application August 30, 1935, Serial No. 38,613
7 Claims. (Cl. 15—255)



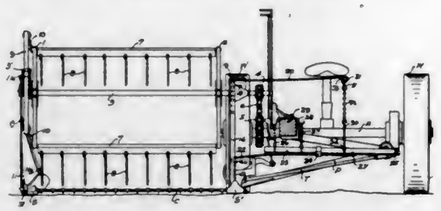
1. In combination with a motor vehicle power plant having a force feed lubricating system and an intake manifold, a window wiper, a motor for operating the wiper, said motor having a part operable by the fluid pressure differential between the manifold suction influence and the oil pressure, and means connecting the intake manifold and lubricating system to the motor for the coopertive application to said part of the low and high pressure influences therefrom in the operation of the motor, whereby when the manifold influence drops during engine acceleration, the oil pressure will maintain the efficient operation of the wiper motor.

2,138,237
POWER PLANT FOR OPERATING AN ACCESSORY
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application July 13, 1936, Serial No. 90,448
13 Claims. (Cl. 60—60)



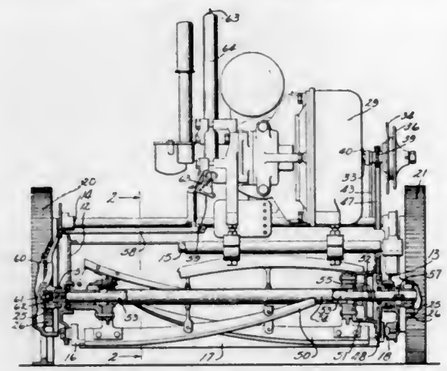
1. In a motor vehicle power plant including an internal combustion engine having a circulatory lubricating system, a suction pump comprising a casing, a pair of interengaging rotary pumping elements journaled in said casing, a turbine rotor mounted for rotation directly with one of said pumping elements and located in a position adjacent said pumping element, means for directing a flow of lubricant from the lubricating system against the turbine rotor to rotate the same, the spent lubricant, owing to the location of the turbine relative to said one pumping element, discharging upon the latter to provide a fluid seal for said pumping elements.

2,138,238
HARVESTING MACHINE
Horace D. Hume and James E. Love, Garfield, Wash., assignors to Hume-Love Company, Garfield, Wash., a corporation
Application April 16, 1937, Serial No. 137,199
9 Claims. (Cl. 56—219)



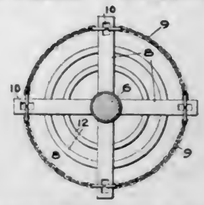
9. The combination in a resilient supporting frame for a harvester of the rotary-reel and side cutter type, with a standard, an upper spring arm and a lower spring arm, and a flexible connection between said arms, of a rigid bar forming an extension of the lower arm, the opposite ends of said bar each having a support on the harvester, and means adjustably on said lower arm and bar for varying the resiliency of the frame.

2,138,239
SELF-PROPELLED IMPLEMENT
Finn T. Irgens, Wauwatosa, Wis., assignor, by mesne assignments, to Outboard, Marine & Manufacturing Company, Wilmington, Del., a corporation of Delaware
Application February 1, 1936, Serial No. 61,918
24 Claims. (Cl. 180—19)



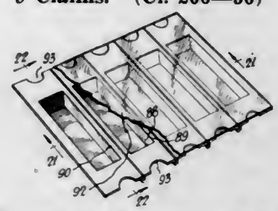
1. An implement comprising a frame and a pair of wheels connected to said frame and upon which said frame is pivotally mounted for free tilting movement to and from operative position and for movement over a supporting surface, a prime mover mounted on said frame, a working part operated thereby, a clutch controlling the operation of said part, a handle connected with said frame and upon which said frame is dependent for its position of tilting movement aforesaid, and a clutch actuating foot yieldably mounted on said frame in a position to engage the supporting surface when said frame is tilted from operative position in a direction to impose its weight on said foot, said foot having motion transmitting connections to said clutch for the disengagement thereof when said foot yields with respect to said frame upon the tilting of the frame and the consequent engagement of said foot with said surface.

2,138,240
DRYING APPARATUS
Walter Kobusch, Remscheid-Lennep, Germany, assignor to Maschinenfabrik Friedrich Haas Kommanditgesellschaft, Remscheid - Lennep, Germany, a corporation of Germany
Application November 24, 1937, Serial No. 176,270
In Germany December 30, 1936
2 Claims. (Cl. 34—7)



1. A drying apparatus comprising a casing to contain the material to be dried and provided with means for the passage of heating gases therethrough, a rotary shaft in said casing, a plurality of sets of arms extending radially from said shaft with the arms of each set occupying the same plane, and heat-transmission bodies in the form of chains connecting the outer end of each arm of each set with the outer end of an adjacent arm of said set.

2,138,241
SEALED PACKAGE
Herman Koch and James L. Burke, Weehawken, N. J.
Application August 9, 1935, Serial No. 35,471
9 Claims. (Cl. 206—56)



1. A multi-cell package including a frame presenting ledges between consecutive open cells and a cover sheet of "Cellophane" sealed to said frame and the several ledges thereof, an edge of said sheet being exposed adjacent each cell as a finger tab, each of said ledges having one or more depressions into which the contiguous portion of the "Cellophane" sheet may be depressed for severing the same thereat for opening any cell without disturbing the seal of any of the remaining cells.

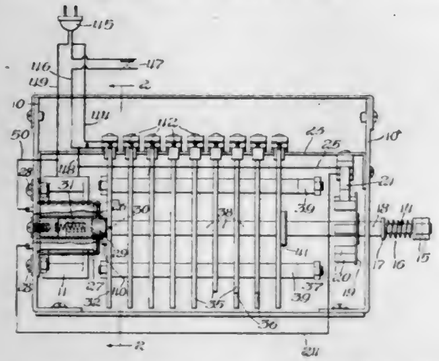
2,138,242
PEDAL ATTACHMENT FOR GEAR SHIFT LEVERS
Lee Nan, Tucson, Ariz.
Application June 28, 1937, Serial No. 150,838
2 Claims. (Cl. 74—544)



1. A pedal attachment for the gear shift lever

of a motor vehicle comprising a pair of clamping jaws for engaging a part of the lever, an angular bar having one arm thereof adjustably connected with one jaw, and its other arm extending at right angles from the front end of the first mentioned arm for engagement by a portion of the foot of an operator, an upper member for engagement by another portion of the foot of the operator, and means for connecting together the foot-engaging parts.

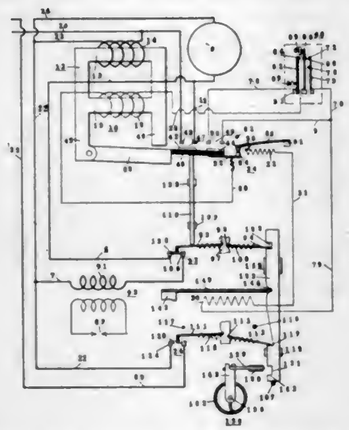
2,138,243
TIMING MECHANISM
Frank G. Nicolaus, Chicago, Ill., assignor to Raymond T. Moloney, Chicago, Ill.
Application July 1, 1938, Serial No. 216,953
14 Claims. (Cl. 200—92)



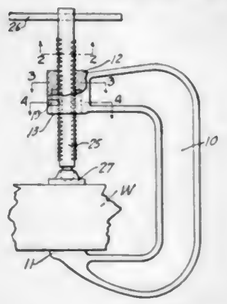
1. In a timing mechanism comprising a frame, a shaft journaled therein, an electric motor including connections to drive the shaft, cam wheels loosely mounted on the shaft, friction means between the shaft and wheels to drive the latter, a switch for each wheel carried by the frame, each switch being held closed by the respective cam wheel periphery and being included in respective electric circuits, each wheel having a notch to cause opening of the corresponding switch and circuit, one wheel and corresponding switch serving to govern the operation of the motor, and means intermittently to interrupt the turning of said wheels through a single revolution thereof while the motor and shaft continue to run.

2,138,244
CONTROL APPARATUS
Estel C. Raney, Columbus, Ohio, assignor to Ranco Incorporated, Columbus, Ohio, a corporation of Ohio
Application January 26, 1938, Serial No. 187,037
6 Claims. (Cl. 158—28)

1. A control system for a fuel burning device, comprising in combination, electrically operated means for controlling the fuel burning device; a circuit for said means including a switch; an electromagnet for closing the switch; an ignition circuit; electrical timing means including mechanism for opening the ignition circuit after a determined time of operation thereof; a control circuit for the electromagnet including a switch, said electromagnet being movable when deenergized to open said switch; said electromagnet and timing mechanism cooperating to condition the ignition circuit for operation a predetermined time after deenergization of the control circuit, said timing mechanism being movable from one position to another for closing the second switch and being timed to prevent the reclosing of the second switch prior to conditioning of the ignition circuit and returnable to the said one position when the control circuit is reenergized; and means for controlling the control circuit.



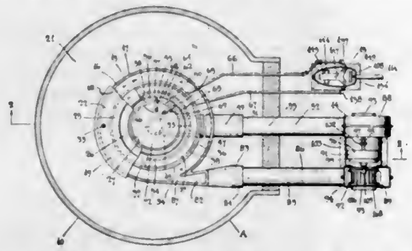
2,138,245
ADJUSTABLE CLAMPING TOOL
David C. Smith, Toledo, Ohio, assignor to himself and Orville S. Brumback, Toledo, Ohio
Application October 30, 1937, Serial No. 171,855
3 Claims. (Cl. 144—305)



2. An adjustable clamp comprising a support having internal screw threads and opposed longitudinal relieved portions, a sleeve carried by said support having internal screw threads and longitudinal relieved portions adapted to be aligned with the relieved portions in the support, a rod having a pair of opposed longitudinal rows of screw threads meshing with the threads in the support and sleeve when the relieved portions in said support and sleeves are not in alignment, said rod being slidable longitudinally when said relieved portions are aligned with the rows of screw threads, and means for turning said sleeve to bring said relieved portions into and out of alignment.

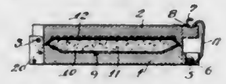
2,138,246
OIL BURNER
William A. Sorg, La Crosse, Wis.
Application May 23, 1936, Serial No. 81,414
1 Claim. (Cl. 158—92)

In an oil burner, a case having an opening at the top, a tray at the lowermost portion of the case, an annular partition within said case forming in said case a central chamber communicating with said opening and an annular chamber encircling the central chamber, said tray having an annular recess therein, an oil ring removably disposed within said recess and having an annular groove therein, two dams extending across said groove in spaced relation, means for delivering fuel oil into said groove on one side of one of said dams and at a certain rate of flow, means for



delivering fuel oil into said groove and on the other side of said dam and at another rate of flow, means for directing air through said tray into said central chamber, means for directing the air entering said central chamber over the groove in said oil ring, means for directing air into said annular chamber, and passageways in said partition for directing the air entering said annular chamber laterally into said central chamber.

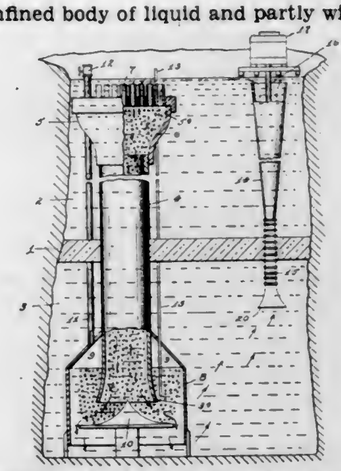
2,138,247
PIE DIE
Martin Tatosian, Chicago, Ill.
Application March 12, 1935, Serial No. 10,680
2 Claims. (Cl. 107—58)



1. A device for baking pies on a conveyor travelling through an oven in a manner to retain substantially the original moisture content comprising a pie holder on said conveyor, said holder comprising a base secured to said conveyor, a hinged cover on said base, said base and said cover forming a chamber therebetween to receive the ingredients of a pie to be baked therein and formed to seal the edges of the dough layers, said base and said cover being comparatively very thick metal plates of substantially uniform thickness and having high heat-retaining characteristics to provide uniform heat conduction to every portion of the pie at a uniform rate, means to lock said cover to substantially seal said chamber against the escape of moisture from the edges of the pie therein, said cover having perforations therein remote from the edges to permit escape of a portion of the moisture.

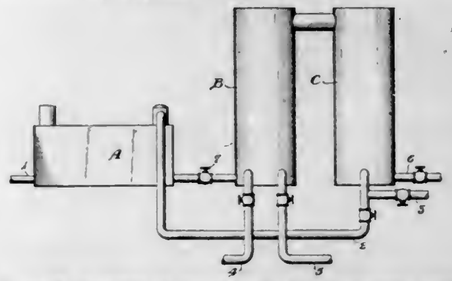
2,138,248
APPARATUS FOR COMPRESSING AIR
Charles H. Taylor, Toronto, Ontario, Canada
Application August 26, 1937, Serial No. 161,155
2 Claims. (Cl. 230—105)

1. A means for producing air under pressure comprising a confined body of liquid, a superimposed unconfined body of liquid, a tubular member extending from practically the surface of the unconfined body of liquid and terminating within the confined body of liquid, means for trapping and storing the air delivered by said tubular member within the confined body of liquid, a tubular impeller casing positioned partly within the confined body of liquid and partly within the



unconfined body of liquid, and an impeller operating within said casing.

2,138,249
PROCESS OF PRODUCING CARBON BLACK FROM HYDROCARBON GASES
William D. Wilcox, Pekin, Ill.
Application April 20, 1936, Serial No. 75,418
4 Claims. (Cl. 134—60)



1. The process of obtaining an improved quality of carbon black by the dissociation of hydrocarbon gases and vapors, which comprises heating the interior of a refractory walled chamber having a filling of refractory heat absorbing masses to a dissociating temperature by burning fuel gas within the interior of the chamber, passing the hot combustion gases through a preheating chamber and heating its interior to a temperature less than effects a material dissociation, and thence through a heat exchanger, simultaneously passing air through the heat exchanger and employing it to support the combustion of the fuel gas within the dissociating chamber, then passing hydrocarbon gases, to which has been added steam in a volume no more than sufficient, if dissociated, to oxidize 80% of the carbon in the hydrocarbon gas to carbon monoxide through the preheating chamber and thence through the dissociation chamber, in a direction of travel counter-current to the prior travel of the heating gases, withdrawing the pyrolyzed gas and recovering the entrained carbon.

2,138,250
MAILING DEVICE
George P. Lee, New York, N. Y., assignor to Eastern Manufacturing Company, New York, N. Y., a corporation of Maine
Application August 17, 1937, Serial No. 159,452
9 Claims. (Cl. 229—92.8)

1. A direct mail advertising device comprising

a letterhead of elongated rectangular form having a fold line adjacent the upper edge thereof, an upper portion of said letterhead below the fold line being provided with a slit having a central portion extending widthwise of the letterhead and two end portions extending vertically of the letterhead to form a wide short tongue in said upper



portion, which tongue is designed to cooperate with a return mailing device to hold it in position in the letterhead and to expose the return address thereof, said letterhead above the fold line being also provided with another slit into which the lower inside corner of the return postcard may be inserted.

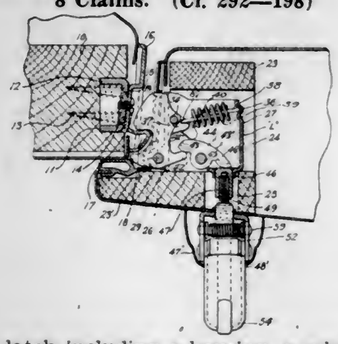
2,138,251

DOOR LATCH MECHANISM

George D. Lindstrom and Edwin North, Rockford, Ill., assignors to National Lock Co., Rockford, Ill., a corporation of Illinois

Application February 20, 1935, Serial No. 7,380

8 Claims. (Cl. 292—198)



1. A latch including a housing, a substantially elongated bolt pivotally mounted near one of its ends in said housing and having a concave longitudinal edge portion providing a laterally extending nose and a lateral tongue at the ends of said edge portion, a shoulder on said bolt spaced from said tongue and providing with the latter a seat, snap action spring mechanism in said housing and having a part disposed in said seat for operative bearing engagement with the bolt, means for limiting the pivotal movement of said bolt, together with operating means including an operating member pivotally mounted between its ends in said housing and having a curved edge portion between said ends complementary to the edge portion of the bolt between the nose and tongue thereof, one of said ends of the operating member having bearing engagement with said nose for effecting snap action movement of the bolt out of latching position, said edge portions of the bolt and the operating member closely confronting each other when said bolt is in unlatched position and said operating member being recessed to receive said tongue when the bolt and operating member are in confronting relation as aforesaid.

2,138,252

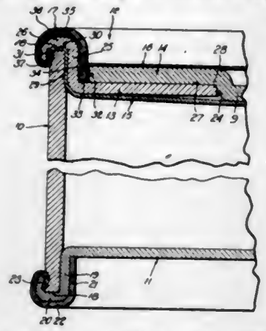
CONTAINER CONSTRUCTION

Maximilian Paul Link, Los Angeles, Calif.

Application March 3, 1936, Serial No. 66,828

15 Claims. (Cl. 229—5.7)

1. In a container having a tubular body, the combination of, a fibrous ring having a flange engaging over an end of the body, a metal seam ring gripping the exterior of the body and engaging about the flange to force it against the in-



terior of the body, and an embossed cover element on the fibrous ring having a shoulder removably fitting the opening of the fibrous ring.

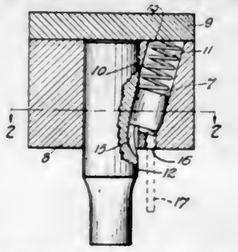
2,138,253

TOOL HOLDER

Edward J. Lynch, Detroit, Mich.

Application February 4, 1935, Serial No. 4,803

1 Claim. (Cl. 279—29)



In a tool holder, a member formed with an elongated socket and with a bore intersecting said socket at an acute angle, a detent slidable in said bore, a spring urging the detent toward the socket, and a tool normally retained in the socket by the detent, the tool being laterally formed with a recess for seating the detent, the detent having a convex, end-to-end surface curvature, and the wall of said recess and an opposed portion of the bore wall being curved conformingly to the lower half of the detent, whereby the detent may wedgingly seat against predetermined surface areas of the recess and bore walls.

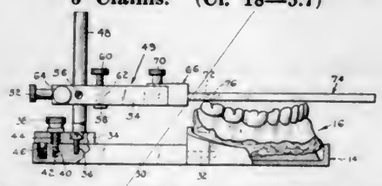
2,138,254

DENTAL CORRELATOR

Solomon J. Mink, New York, N. Y.

Application December 27, 1935, Serial No. 56,389

6 Claims. (Cl. 18—5.7)



2. A dental correlator comprising a primary lower plate, a secondary lower plate pivotally mounted on said first mentioned plate, an upright post carried by said secondary plate, an articulated plate positioned above said primary plate in movable relation thereto, said articulated plate comprising a member slidably engaging said post, and a second member pivotally connected to said post-engaging member, and means for holding said pivoted member in a plane parallel to the plane of said primary lower plate.

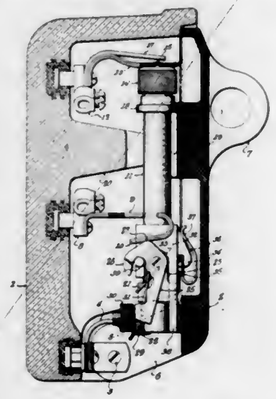
2,138,255

FUSE CONSTRUCTION

William O. Schultz, South Milwaukee, and Alwin G. Steinmayer, Milwaukee, Wis., assignors to Line Material Company, South Milwaukee, Wis., a corporation of Delaware

Application September 1, 1934, Serial No. 742,442

31 Claims. (Cl. 200—114)



1. A fuse construction comprising a stationary portion having stationary contacts, a fuse tube slidably supported from said stationary portion and having spaced contacts normally electrically connected to said stationary contacts, a fuse link joining said spaced contacts, means restraining said fuse tube against sliding motion, said means being controlled by said fuse link and being electrically dead after said fuse link has been ruptured and said fuse tube has slid outwardly from its normal position.

2,138,256

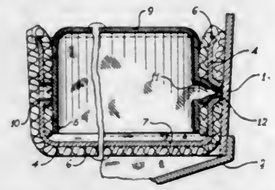
FILTERING FUNNEL

Wilton Sumner Schuyler, Springfield, Ohio

Application August 18, 1936, Serial No. 96,633

Renewed May 3, 1938

4 Claims. (Cl. 210—159)



1. A metallic funnel, a filter for said funnel adapted to be positioned therein, said filter consisting of an outer metallic ring and an inner metallic ring, a filtering element clamped between said rings, an inwardly extending metallic projection on said outer ring penetrating said filtering element and contacting said inner ring to place said rings in electrical contact with each other, and an outwardly extending metallic projection formed on said outer ring to place said outer ring in electrical contact with the body of the funnel.

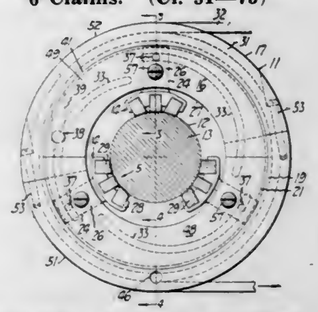
2,138,257

GRINDING TOOL

Albert J. Sievers, Jr., Oakland, Calif., assignor of one-third to Edward W. Oliver, Piedmont, Calif., and one-third to Phelps E. Gooch, Oakland, Calif.

Application April 21, 1936, Serial No. 75,514

6 Claims. (Cl. 51—73)



1. A device for grinding an exterior surface comprising, a member adapted to rotate around said surface, a grinding element carried by said member and engageable with said surface, and means operated by the friction of said element on said surface upon rotation of said member to urge said element against said surface.

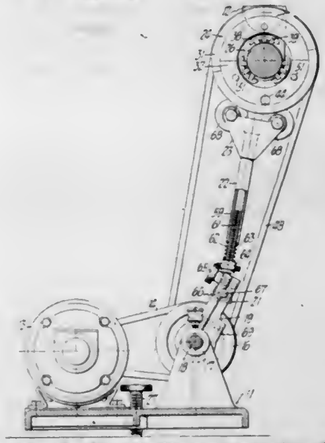
2,138,258

CRANKSHAFT GRINDING APPARATUS

Albert J. Sievers, Jr., Oakland, Calif., assignor of one-third to Edward W. Oliver, Piedmont, Calif., and one-third to Phelps E. Gooch, Oakland, Calif.

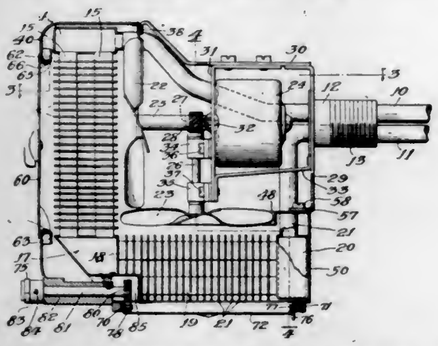
Application February 6, 1937, Serial No. 124,400

11 Claims. (Cl. 51—73)



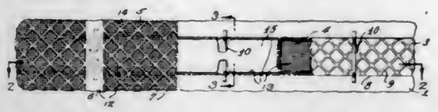
1. A crank shaft grinding apparatus for automobiles and the like comprising, a base support adapted for positioning under an automobile and under the crank shaft thereof, power driven rotatable means carried by said support with the axis of rotation thereof adapted for positioning substantially parallel to the axis of rotation of said shaft, means for adjusting the plane of said support for positioning the same substantially parallel to said shaft, rotatable grinder means arranged for assembly around one of the crank shaft bearings, means adjustable in length for supporting said grinder means from said base support in concentric relation around said bearing, and flexible drive means connecting said first and second means.

2,138,259
HEATING APPARATUS
Philmore F. Sperry, Chicago, Ill., assignor to Excel Auto Radiator Company, Chicago, Ill., a corporation of Delaware
Application April 18, 1936, Serial No. 75,124
2 Claims. (Cl. 257—137)



1. Heating apparatus of the character described comprising, in combination: a casing; a vertical and a horizontal radiator housed in said casing in L-relationship; a common header at the apex of the angle between the radiators acting as outlet for one of said radiators and inlet for the remaining radiator; inlet and outlet headers for the respective radiators at the free ends thereof; a motor in said casing; and a pair of fans one facing each of said radiators; one of said fans directly driven by the armature shaft of said motor and the other thereof driven by gears from said shaft.

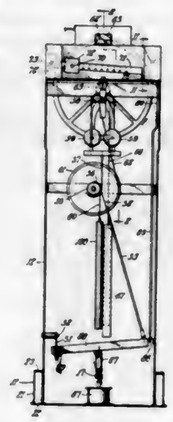
2,138,260
APPARATUS FOR PREPARING MEAT PRODUCTS
Frank W. Trabold, Detroit, Mich.
Application January 2, 1936, Serial No. 57,202
3 Claims. (Cl. 17—32)



1. A mold device for preparing frankfurters and the like comprising a metallic plate member having at least one elongated depression in the form of a channel having grill work bottom and side walls and adapted to receive a casing substantially filled with meat products, said channel having jaw members at spaced intervals, a second plate member having grill work adapted to overlie said channel, and jaw members projecting from said second member at intervals for cooperation with the jaw members of the first named plate member whereby said casing is squeezed at intervals along the length thereof into links.

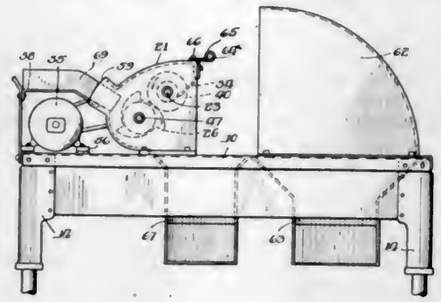
2,138,261
SCALE
James M. Triner, Chicago, Ill., assignor to Triner Scale & Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application March 27, 1936, Serial No. 71,153
10 Claims. (Cl. 265—71)

1. In a scale having weight-absorbing pendulum-means, the combination of a platform, lever-means supporting said platform, a transmission-lever, means operatively connecting said lever-means to said transmission-lever, a rotary weight-indicating wheel, and motion-multiplying means connecting said transmission-lever to said indicating-wheel, whereby movement of the former turns the latter, said connection including a pair of wheels of different diameters rigid



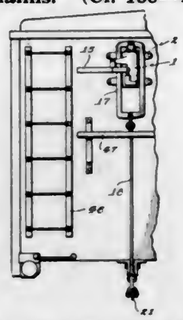
with one another and mounted to turn on their common axis as a unit, a tape connected to the smaller of said wheels and operatively connected to said transmission-lever, a third wheel connected to, and rotatable with, said indicating-wheel and of less diameter than the larger of said pair of wheels, and a tape connected to the larger of said pair of wheels and to said third wheel.

2,138,262
CUTTING MACHINE
William E. Urschel and Joe Richard Urschel, Valparaiso, Ind.
Application September 14, 1936, Serial No. 100,607
10 Claims. (Cl. 146—98)



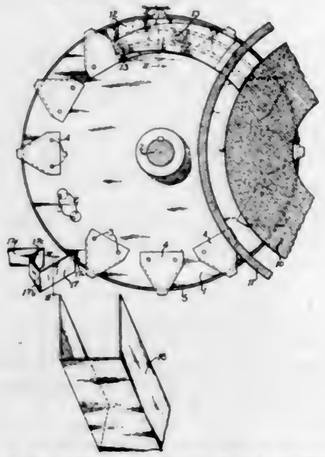
1. In a machine for cutting celery and the like, having a stalk and leafy portion, a gang of rotatable cutting blades, a rotatable shoulder arranged to engage a piece of material thereon and impinge it across and transversely to the cutting edges of the blades, means to cause the cut pieces of stalk to be forced into the blade to a point where they are wedgingly engaged between the blades whereby to be supported solely thereby and carried to a discharge point while the leafy material is permitted to fall freely, and a gauge plate arranged to direct the end of said material beyond the endmost cutting blade whereby the end portion of said material will be trimmed and permitted to fall with the leafy material.

2,138,263
HYDRAULIC BRAKE FOR RAILWAY CARS
Edwin E. Van Cleave and Alois Wiedenbauer, Chicago, Ill.
Application July 16, 1936, Serial No. 90,935
5 Claims. (Cl. 188—153)



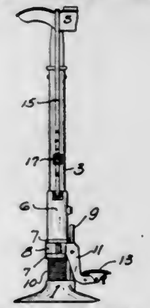
1. A hydraulic operating means for the brakes of railway freight cars and for substitution in place of the usual mechanical hand-operated means comprising a support including an end wall of a freight car and a frame attached to the outside of said wall, said frame forming a reservoir and a cylinder, a pump for forcing fluid under pressure from the reservoir to the cylinder, a plunger movable in said cylinder by the fluid pressure, brake-operating means connected with said plunger, a return flow connection between said cylinder and reservoir, a valve controlling return flow through said connection, and manually adjusted weighted operating means for controlling the positioning of said valve either open or closed.

2,138,264
WORK HOLDER FOR MOWER SECTIONS
Arthur L. Warner, Carpentersville, Ill., assignor to Illinois Iron & Bolt Company, Carpentersville, Ill., a corporation of Illinois
Application October 5, 1936, Serial No. 103,993
6 Claims. (Cl. 51—237)



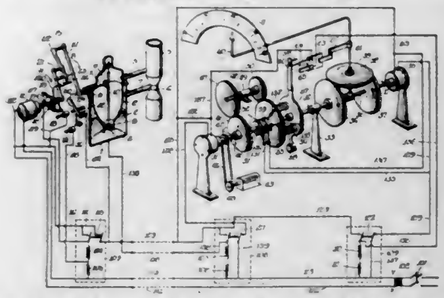
1. In a grinding machine for grinding mower elements having spaced apertures, a grinding element having a flat side face for grinding said elements, a rotary disk having a flat surface upon one side in opposed relation to the flat side of said grinding element, a circular series of pins arranged in pairs upon the flat surface of said disk, each pair of pins adapted for fitting the holes in a mower element for supporting the same, means adjacent said grinding element for pressing said mower elements against said disk, and a kick off device having means for engaging under said mower elements at a predetermined point for removing the same from said disk after the grinding operation.

2,138,265
SHOE REPAIRER'S JACK
Eugene G. Wolf, St. Louis, Mo., assignor to Landis Machine Company, St. Louis, Mo., a corporation of Missouri
Application February 23, 1938, Serial No. 192,052
10 Claims. (Cl. 12—123)



1. A shoe jack comprising a support, a last carrier rotatable on said support, a shoe hold-down member rotatable with said carrier, and manually controlled means for tightening and releasing said member, said means being mounted on said support and being held against rotation thereon with said carrier.

2,138,266
FLOW METERING DEVICE
Samuel L. Adelson, Chicago, Ill., assignor, by mesne assignments, to Infilco Inc., a corporation of Delaware
Application April 23, 1936, Serial No. 75,966
12 Claims. (Cl. 177—351)

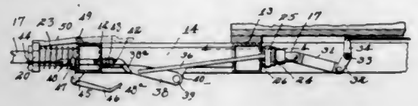


1. In a device of the type described, an indicating mechanism positionable in accordance with some physical condition, a responsive mechanism having a differential device and two continuously operating oppositely rotating driving means operable together to produce a mean result through said differential, and means for varying the duration of movement of each of said driving means with respect to the other in accordance with the position of said initiating mechanism.

2,138,267
TRAILER HITCH
Olaf A. Christenson, Albert City, Iowa
Application December 19, 1936, Serial No. 116,721
9 Claims. (Cl. 188—142)

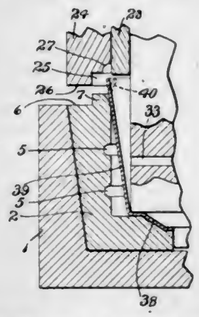
1. A trailer hitch comprising a frame, a draw bar slidably mounted therein adapted to be connected to a mobile support, means operatively

connecting said draw bar to the brake mechanism of a trailer whereby the brakes of the trailer will be set upon rearward movement of said draw bar relative to said frame, yieldable means for applying rearward movement to said draw bar, means



for latching said yieldable means inactive under strain, and means actuated by engagement with the ground surface by dropping said frame, for releasing said latching means whereby the trailer brakes will be automatically set.

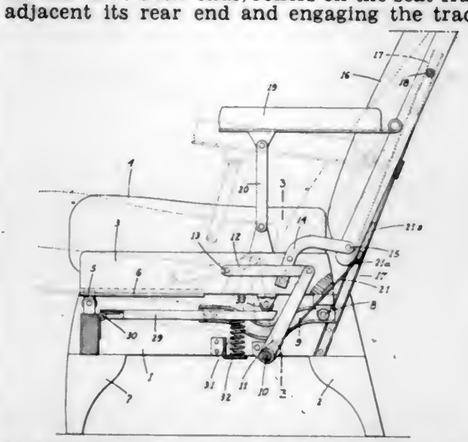
2,138,268
BRAKE DRUM MACHINE
Charles W. Dake, Grand Haven, Mich., assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon, Mich., a corporation of Michigan
Application August 17, 1936, Serial No. 96,417
8 Claims. (Cl. 113—43)



1. In an apparatus of the class described, a die having a substantially cylindrical recess therein over which a flat plate of metal of greater diameter than the diameter of the recess is to be placed, a punch, means for operating the punch to press the plate of metal into the die, with the outer portions of the metal extending upwardly, in more or less spaced relation to the sides of the recess, and having edge portions extending above the upper side of the die, a second punch outside of the first punch, means for operating the same to engage against the upper edge portions of said metal and curve the same inwardly, a third punch located between the first and second punches, means for operating the same to engage said incurved edges of the metal to bend the same into a flange, and means for exerting pressure against the metal thus formed to conform it to said die recess, substantially as described.

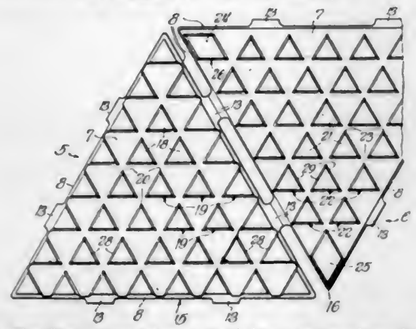
2,138,269
TRANSPORTATION CHAIR
Benjamin H. Drake, Stockton, Calif.
Application April 9, 1937, Serial No. 135,966
3 Claims. (Cl. 155—116)

1. In a reclining chair, a main frame, a seat frame and means mounting the seat frame on the main frame for forward movement from a retracted position; said means including supporting tracks mounted on the main frame extending along the sides thereof from adjacent its rear end, said tracks being substantially horizontal at each end and being formed with a curved dip intermediate their ends, rollers on the seat frame adjacent its rear end and engaging the tracks,



and rollers on the main frame adjacent its front end slidably supporting the seat frame.

2,138,270
ROAD SURFACE AND PAVING BLOCKS FOR FORMING SUCH SURFACE
John P. Fagan, Chicago, Ill., assignor to Interlake Iron Corporation, Chicago, Ill., a corporation of New York
Application March 2, 1936, Serial No. 66,524
10 Claims. (Cl. 94—11)

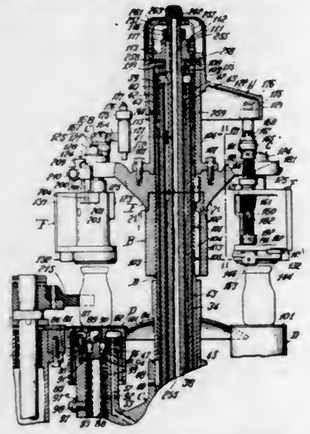


3. Paving means comprising a paving block, triangular tread projections on the upper surface of said block, said tread projections having upstanding light transmitting sides, each tread projection on said block having one of its light transmitting sides presented in one and the same direction and one of its apices presented in the opposite direction.

2,138,271
BOTTLE CAPPING MACHINE
Lewis E. Fagan, Chicago, and Albert B. Mojonnier, Park Ridge, Ill., assignors to Mojonnier Bros. Co., a corporation of Illinois
Application June 7, 1937, Serial No. 146,809
10 Claims. (Cl. 226—92)

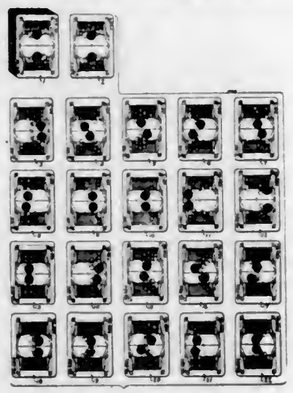
1. A bottle capping machine comprising a cap applying ram, means for rotating said ram about a vertical axis, a cap magazine, a cap advancing blade for removing caps from said magazine and presenting them seriatim to said ram, a vertically movable frame carried by said ram and movable thereon and in turn carrying said magazine and blade, a rock shaft journaled in said frame, said shaft being operative to actuate said blade to

bring about said cap advances, a rocker arm secured to said shaft, a cam independent of said frame and operative during the travel of said ram about said vertical axis to actuate said arm to rock said shaft to and fro to actuate said blade, said cam having an extended face portion with less extended face portions adjacent thereto, said extended portion serving to engage said arm and move the same to an extreme position, spring



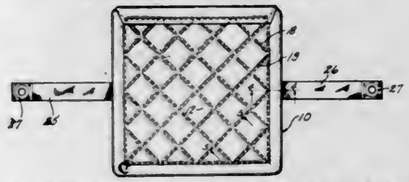
means tending to move said arm toward said cam, and catch mechanism for seizing and holding said arm in said extreme position notwithstanding the withdrawal of the cam face from engagement with said arm as the parts continue their rotation, said catch mechanism responding to an up and down movement of said frame on said ram to free said arm for subsequent engagement with said cam.

2,138,272
BOWLING CARD GAME
Frank R. Feher, Passaic, N. J.
Application June 10, 1937, Serial No. 147,409
3 Claims. (Cl. 273—152)



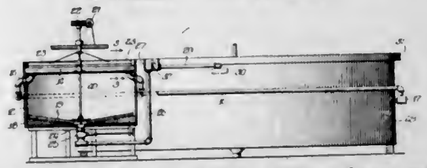
1. A bowling card game comprising a deck of cards divided into four groups, the cards of each group being provided with respective classifying indicia denoting strikes, spares, misses and fouls, and additional indicia on said cards, with the exception of those belonging to the strike group, denoting in the opposite corners thereof the number of points acquired by two successive balls, said designated cards bearing a definite value relationship to each other during the course of play in accordance with specific rules and regulations as herein set forth in the attached specification.

2,138,273
BASEBALL BASE
Perry C. Goodrick, Fond du Lac, Wis.
Application July 1, 1937, Serial No. 151,354
3 Claims. (Cl. 273—25)



1. A baseball base of the character described comprising a flat bag-like casing made up of a sheet of textile material folded upon itself to provide upper and lower sides, a fibrous filling in said receptacle, lines of stitching uniting the end and side edges of the sheet to complete the enclosure of the filling in the receptacle, transversely extending lines of stitches penetrating both sides of the receptacle and its fibrous filling to maintain the base flat and to give both sides of the casing substantially the same quilted structure and appearance whereby the base is reversible, and anchoring straps attached to the opposite edges of the base at a point midway between the upper and lower sides and effective to secure the base in position with either side up.

2,138,274
SEPARATION OF SOLIDS FROM LIQUIDS
Robert Edman Greenfield, Decatur, Ill., assignor to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware
Application March 4, 1936, Serial No. 67,102
3 Claims. (Cl. 127—65)

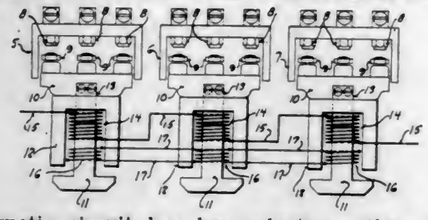


1. Process for separating gluten from water in table tails produced in the wet milling method for separating starch from corn, which comprises subjecting the table tails to air under pressure and intimately mixing the same therewith, introducing the mixture into a flotation chamber at a point adjacent the top thereof, skimming off constituents of said gluten rising with said air from adjacent the top of the flotation compartment, removing the remaining constituents of the table tails from a lower part of the flotation compartment, and subjecting said remaining constituents to a settling operation.

2,138,275
APPARATUS FOR EFFECTING SIMULTANEOUS FUNCTIONING OF A PLURALITY OF ALTERNATING CURRENT ELECTROMAGNETS
Konrad Heinrich, Milwaukee, Wis., assignor to Allen-Bradley Company, Milwaukee, Wis., a corporation of Wisconsin
Application June 7, 1937, Serial No. 146,770
8 Claims. (Cl. 175—375)

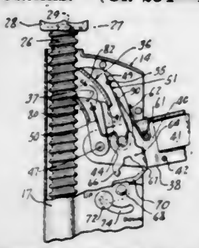
1. In combination: a plurality of alternating current electromagnets equipped with armatures

and having their coils connected in series so as to be capable of simultaneous energization and deenergization; and means deriving electrical energy from the coil of any electromagnet whose



magnetic circuit has less reluctance than the others for effecting an equalization of flux at all of the electromagnets so as to insure response of the armatures of all of them.

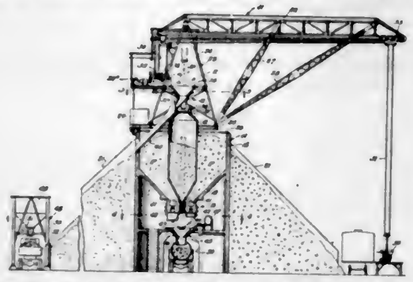
2,138,276
LIFTING DEVICE
Alvin L. Johnson, Ottawa Hills, Ohio, assignor to The Logan Gear Company, Toledo, Ohio, a corporation of Ohio
Application May 6, 1937, Serial No. 141,140
6 Claims. (Cl. 254—111)



3. A lifting device comprising, in combination, a base member; a housing formed of one piece of sheet metal; said housing being formed with a tubular guide portion; a threaded lifting element reciprocably contained in the tubular guide portion of said housing; a lever fulcrumed upon said housing; a lifting pawl; a retaining pawl, said pawls having cooperative connection with said lever; a spring embracing the fulcrum of said lever and having its leg portions respectively connected to said pawls; means for controlling the action of said spring upon said pawls; and means carried by said lifting element and engageable with one of said pawls urging the pawl away from the lifting element when the same is elevated to its full extended position.

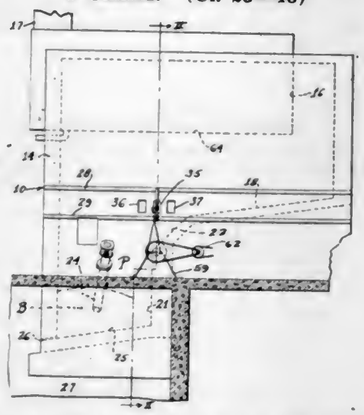
2,138,277
APPARATUS FOR HANDLING MATERIALS
Charles S. Johnson, Champaign, Ill.
Application March 25, 1937, Serial No. 132,907
4 Claims. (Cl. 259—154)

1. A system of the character described for handling a variety of bulk construction materials comprising, in combination, a bin-like structure defining a plurality of segregated storage compartments, a rotatable open-center crane-base mounted above said structure, a radially extending horizontal load transfer track boom carried by said base and adapted to swing about a vertical axis upon rotation of said base, a material-transfer container supported by said track boom, power means including a hoisting and traversing mechanism associated with said boom for hoisting said container and traversing the same along said boom toward said axis of rotation, a distributing mechanism alined with said open-center of said base for receiving material dumped from the hoisted and traversed container and gravitally transferring the same into any selected one of said compartments, and batching means



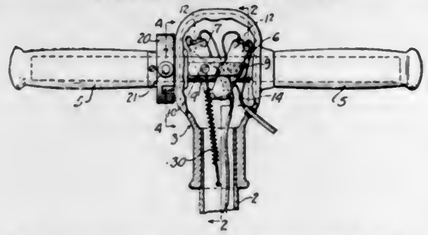
for weighing and gravitally transferring predetermined portions of the material in selected ones of said compartments to a second container or the like to form a batch of predetermined constituents and proportions.

2,138,278
METHOD OF RECOVERING HEAT AND CHEMICALS FROM WASTE LIQUORS
Alfred G. Kernin, Mosinee, Wis., assignor, by mesne assignments, of sixty percent to The Babcock & Wilcox Company, New York, N. Y., a corporation of New Jersey, and forty percent to Canada Paper Co., Montreal, Quebec, Canada, a corporation of the Province of Quebec, Canada
Application August 10, 1936, Serial No. 95,132
5 Claims. (Cl. 23—48)



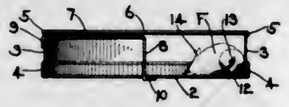
1. A self-sustaining process for the recovery of chemicals and heat in a horizontal type of recovery furnace from concentrated waste liquor, which comprises spraying said liquor in coarse particle form in a general upward direction into a stream of heated gases of combustion flowing in a generally horizontal direction, causing said sprayed liquor particles to impinge against an extended boiler surface constituting a ceiling above said stream of gases with sufficient pressure to adhere thereto to be dried thereon, whereby said liquor is dehydrated and organic matter therein largely volatilized to form charred residues which fall from said surface to build up a bed therebeneath, supplying a limited amount of air to said bed to partially burn organic combustibles therein to form incompletely burned gases, and supplying additional air to complete the burning of said gases while said gases are passing in a generally horizontal direction beneath said ceiling to provide said heated gases of combustion aforementioned.

2,138,279
CONTROL SWITCH
Richard F. Kneisley, Toledo, Ohio, assignor to The American Floor Surfacing Machine Company, Toledo, Ohio, a corporation of Ohio
Application January 28, 1937, Serial No. 122,682
3 Claims. (Cl. 200—52)



1. In combination, a control handle for portable electric driven machines, a cross-shaft rotatably carried by said handle and forming a hand grip, an electric operating circuit, switch means in said circuit including two mercury containing tubes mounted with their axes crosswise of the shaft and each having spaced contacts at the corresponding ends of said tubes disposed in said circuit, whereby the circuit is closed when the shaft is turned to place the contact ends of the tubes lowermost, said tubes being tilted lengthwise of the shaft, whereby when the tubes are in circuit closing position and the shaft is tipped lengthwise a predetermined distance in either direction the mercury will flow away from the contact end of one or the other of the tubes and open the circuit, and means normally holding the shaft turned in open circuit position.

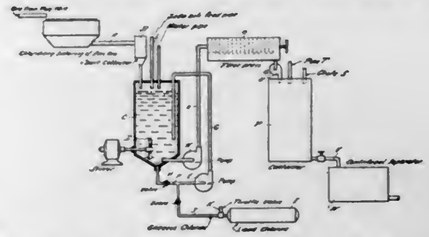
2,138,280
TOY
Smith Kyser, Ionia, Mich.
Application September 3, 1936, Serial No. 99,203
5 Claims. (Cl. 46—119)



1. A toy comprising, a container having a substantially horizontal bottom and a continuous curved upright wall, bristles extending upwardly from said bottom and inclined thereto in a direction following a path in conformity with the curvature of said wall and a movable body supported on said bristles.

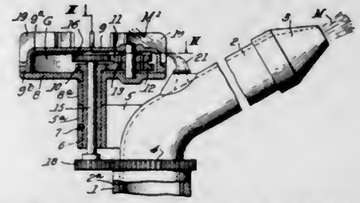
2,138,281
PROCESS OF TREATING CADMIUM BEARING MATERIALS
Warren H. Leverett, Bartlesville, Okla., assignor to National Zinc Company, Inc., New York, N. Y., a corporation of New York
Application July 29, 1937, Serial No. 156,356
9 Claims. (Cl. 75—112)

1. The process of treating cadmium bearing materials comprising introducing chlorine into said cadmium bearing material, in the presence of water, to cause the undissolved cadmium compounds to go into solution; separating the insoluble matter from said solution; adding metallic zinc to said solution to precipitate said



cadmium; and removing the liquid from said precipitate.

2,138,282
ROTATING SPRINKLER
Karl Lüdwig Lanninger, Frankfort-on-the-Main-Rodelheim, Germany
Application April 3, 1936, Serial No. 72,559
In Germany April 10, 1935
7 Claims. (Cl. 299—68)

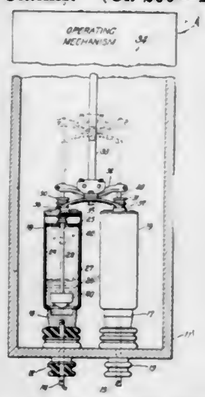


6. In a long-jet sprinkler having a fixed tubular shaft provided at its upper end with a crown of teeth, a spur wheel having teeth meshing with the teeth of the crown of teeth and adapted to roll on the crown of teeth, a sprinkler tube mounted to rotate about the axis of the shaft, a casing, a rotor element comprising vanes on the top of the casing, the rotor element being mounted to be rotated by a water jet ejected against the vanes through a nozzle on the sprinkler tube facing the vanes, power-transmission means coacting between the rotor element and the spur wheel for effecting rotation of the sprinkler tube comprising an epicyclic-gear train mounted in the casing on the sprinkler tube and driven from the rotor element, and means connecting the epicyclic-gear train to the spur wheel to drive the spur wheel.

2,138,283
CONDITIONING OF WOOD PULP FOR NITRATION
George A. Richter, Berlin, and Douglas H. McMurtrie, Gorham, N. H., assignors to Brown Company, Berlin, N. H., a corporation of Maine
No Drawing. Application September 10, 1937, Serial No. 163,258
5 Claims. (Cl. 260—146)

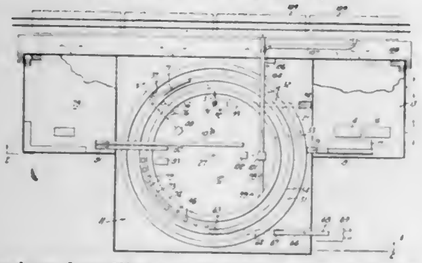
1. In a process of producing nitrocellulose from wood pulp, those steps which comprise partially gelatinizing the wood pulp fibers in the form of a suspension in a chemical gelatinizing solution, as shown by change of the initially substantially opaque pulp suspension to a translucent or semi-transparent appearance, washing the partially gelatinized pulp fibers substantially free from such solution, drying the washed pulp fibers in aggregated form to a moisture content less than about 10%, mechanically disrupting the aggregated dried pulp fibers into a fluffy mass of essentially individualized fibers resembling cotton linters, and nitrating the fluffy mass.

2,138,284
CIRCUIT BREAKER
Edmund O. Schweitzer, Jr., Northbrook, Ill.
Application September 26, 1936, Serial No. 102,633
5 Claims. (Cl. 200—152)



1. An electric switch comprising, in combination, two fixed electrodes, a separate enclosure for each of said electrodes, two mechanically and electrically connected movable electrodes adapted to be moved toward and away from said fixed electrodes in said enclosures, a non-metallic conducting liquid in each of said enclosures for completing a circuit between said electrodes in said enclosures, and means for breaking said circuit in each enclosure between two portions of said liquid therein to provide an air gap between the electrodes in each enclosure.

2,138,285
PRODUCE-HANDLING APPARATUS
Ellis H. Spiegl, Salinas, Calif.
Application May 14, 1935, Serial No. 21,318
1 Claim. (Cl. 198—19)

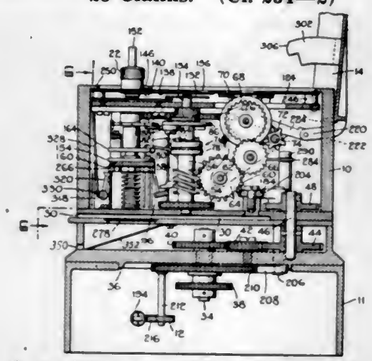


Produce-handling apparatus comprising a table including a rotating framework forming an annulus, a horizontal annular platform on said framework, an annular bin on said framework below said platform, an annular rack on said framework above said platform, means for supplying said rack and said bin during rotation thereof with materials which when combined are carried by said platform, and means for removing said combined materials from said platform.

2,138,286
METAL TONING AND TREATING CAPSULE
Robert K. Wattson, Kansas City, Mo., assignor to Kansas City Smelting Company, Kansas City, Mo., a corporation of Missouri
No Drawing. Application January 21, 1938, Serial No. 186,101
3 Claims. (Cl. 75—93)

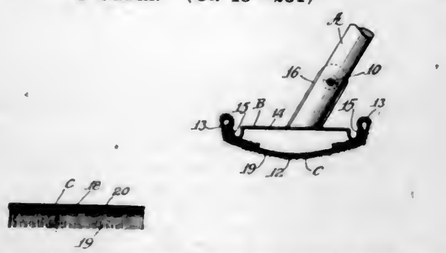
1. The process of restoring the characteristics of a type metal alloy, the ingredients of which are not in proper proportion due to oxidation at different rates on repeated reheating in use, and the simultaneous treatment of such type metal alloy with a dross reducer, which consists in introducing a metal capsule, in which a dross reducer is incapsulated, into a molten bath of type metal alloy, the capsule wall being of type metal alloy whose ingredients are in proportion to the rate of oxidation of the corresponding ingredients of the molten type metal to be treated, and being meltable in such bath for homogeneous incorporation therein and the release of the incapsulated dross reducer, and thereafter skimming off the dross from said bath.

2,138,287
REGISTER WITH PRESET PRINTING MECHANISM
Carl J. W. Willers, Brooklyn, N. Y., assignor of one-half to Fred J. Bradley, St. Albans, N. Y.
Application March 19, 1937, Serial No. 131,776
25 Claims. (Cl. 234—2)



1. A register assembly with preset printing mechanism, said register comprising counter wheels, print wheels corresponding to said counter wheels, presettable mechanism for turning said print wheels to a desired reading, trip mechanism arranged to be tripped when the counter wheels reach the reading of the print wheels, a printing station arranged to receive a paper voucher, and means to cause the print wheels to print the voucher.

2,138,288
WAX APPLIER
Warren G. Bailey, Evanston, Ill., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill., a corporation
Application September 13, 1937, Serial No. 163,669
1 Claim. (Cl. 15—231)

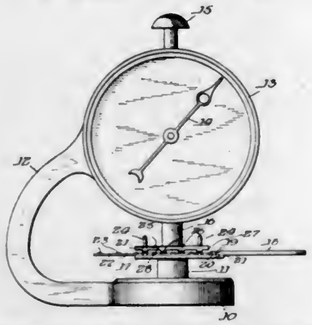


In a wax applier, a frame provided with two superposed members, said superposed members having side flanges, the side flanges of said superposed members being in releasably interlocking relation, a wax-applying flexible and stretchable member extending under the lowermost of said members and having portions thereof clamped between said side flanges whereby said member is stretched and held taut, said flexible member consisting of an elastic inner base layer and an outer fabric layer, said layers being joined with the fabric undulated.

2,138,289
CHROMIUM-MANGANESE-NICKEL STEEL
Frederick M. Becket, New York, and Russell Franks, Niagara Falls, N. Y., assignors to Electro Metallurgical Company, a corporation of West Virginia
No Drawing. Application June 11, 1936, Serial No. 84,684
4 Claims. (Cl. 75—128)

1. Alloy steel comprising 16% to 22% chromium, 5% to 14% manganese, copper in an amount not exceeding 2%, carbon in an amount not exceeding 0.15%, an amount at least four times the carbon content but not exceeding about 1.5% of metal of the group columbium and tantalum which inhibits loss of corrosion resistance when the steel is held at elevated temperatures below 900° C., 3% to 6% nickel which inhibits the development of brittleness at temperatures below 900° C., and the remainder iron.

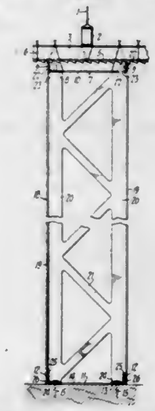
2,138,290
THICKNESS GAUGE
John P. Brunt, Chicago, and Edward E. Maston, Wilmette, Ill., assignors to Brunt & Company, Chicago, Ill., a corporation of Delaware
Application February 19, 1937, Serial No. 126,658
2 Claims. (Cl. 33—147)



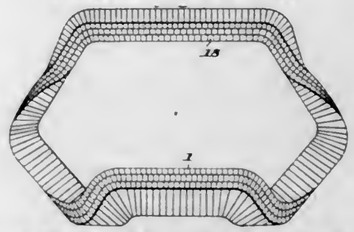
1. A liner gauge comprising, in combination, a pair of gauge members, the cooperating face of one of said members having a plane face and the cooperating face of the other member a plurality of spaced bars thereon whereby the said member may be placed against the face of a liner having rows of glue thereon, means connecting the said gauge members in movable relation with each other, and a handle secured to one of said members, the inner end of which forms a stop whereby a liner may properly be positioned between said gauge members.

2,138,291
STEEL PARTITION CONSTRUCTION
Martin A. Callaghan, Burlingame, Calif.
Application December 7, 1937, Serial No. 178,508
8 Claims. (Cl. 72—115)

2. In partition construction, a seat for one of the ends of a row of partition studs comprising an elongated metal strip adapted to extend over one of the ends of the studs, a row of studs, means projecting from a side of said strip adapted to engage said ends of the studs, and said ends of the studs being provided with a recess adapted to engage said first mentioned means upon lateral movement of said ends toward said first mentioned means, and means arranged and adapted to pivotally support the opposite ends of said studs for swinging the first mentioned ends thereof generally laterally relative to vertical.



2,138,292
ARMATURE COIL FOR DYNAMO-ELECTRIC MACHINES
Aurelio Casale, Genoa, Italy
Application March 27, 1936, Serial No. 71,270
In Italy April 13, 1935
2 Claims. (Cl. 171—206)

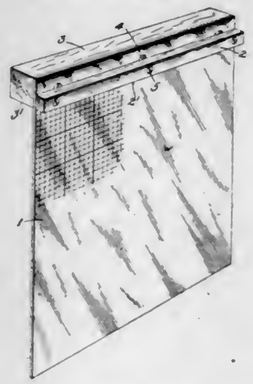


1. In a winding for a three-phase motor, an active straight portion located within a groove of the motor; at each side of the motor a curved portion contained in the same radial plane of the motor including the groove, the axis of the said curve being situated between the said curved portion and the motor so that the end of such curved portion is directed towards the exterior of the motor; a portion curved about an axis normal to the first mentioned axis, the second mentioned curved portion terminating externally of the grooves of the motor; a curved portion disposed concentric to the axis of the motor; a portion presenting a combined helicoidal curvature and a curvature curved toward the motor groove with axis normal to the axis of the motor, a straight portion at the end of the last mentioned curved portion located in another groove of the motor.

2,138,293
GAUGE DEVICE
Demetrius Comino, London, England
Application December 12, 1936, Serial No. 115,605
In Great Britain September 21, 1936
4 Claims. (Cl. 33—184.5)

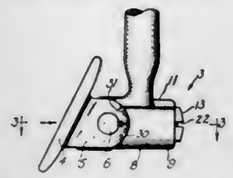
1. A gauge for use in the printing art for reg-

istering, aligning, or other operation, comprising a sheet of transparent material cross-ruled in printers' units of measure, an abutment member secured to one side of said sheet at an edge thereof, said member having a straight edge accurately positioned with respect to the rulings on said sheet to constitute an abutment ledge and having sufficient depth or thickness to permit engagement with an edge of a block or form from which the registering, aligning or other operation may be performed, and a second abutment member secured to the opposite side of said sheet at the same edge thereof, said second abutment member also having a straight edge likewise



positioned to constitute an abutment-ledge but being narrower and shallower than the first abutment ledge to permit insertion between the type in a relatively narrow gap formed by a line of normal type-spacing means, which gap is inaccessible to said first abutment member, the said second abutment edge being so shallow that when inserted in the gap between the type it does not contact the type spacing means therein, said second abutment face being adapted to engage a side edge of a line of type as datum for measurement, the abutment faces of the two abutment ledges being parallel and in the same plane.

2,138,294
GOLF CLUB
Harry A. Douglas, Bronson, Mich.
Application September 27, 1935, Serial No. 42,377
18 Claims. (Cl. 273—79)

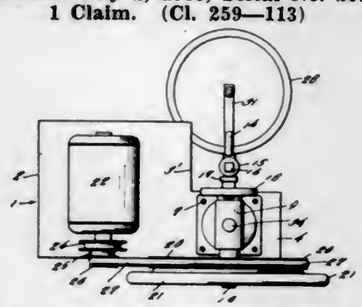


1. A golf club including a shaft and a striking blade, a barrel member and means for pivotally connecting the blade thereto, means for slidably connecting the shaft to the barrel, means including a detent and a resilient member whereby the blade may be automatically held against casual displacement at substantially any desired angle after being manually adjusted and also effect a slidable displacement between the shaft and the remainder of the club when a ball is struck whereby the struck ball may be carried for a short distance on the blade and be discharged therefrom at an increased rate of speed.

2,138,295
PROCESS AND COMPOUND FOR COLORING THE SURFACES OF METAL ARTICLES
Leslie Collingwood Fenwicke, London, England
No Drawing. Application September 25, 1937, Serial No. 165,778. In Great Britain September 29, 1936
6 Claims. (Cl. 148—7)

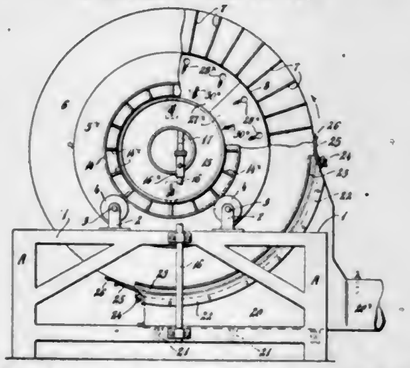
1. A process for coloring the surfaces of ferrous metal articles, which consists in steeping the articles in a bath comprising an aqueous solution of caustic soda, sodium cyanide, lead oxide and lead acetate.

2,138,296
POWER CHURN
Garvie Fins, Lynch, Ky.
Application May 2, 1938, Serial No. 205,591
1 Claim. (Cl. 259—113)



The combination with a churn having a vertically reciprocable dasher rod, of a power drive for said rod adapted to be disposed above said churn and including a base having a cut-out corner located over the churn, a plunger rod mounted on said base for vertical reciprocation in said cut-out, and an operating connection between the lower end of said plunger and said rod comprising a bar extending laterally from said plunger and outwardly of said cut-out and detachably secured to said rod, said bar being pivotally connected to said plunger to be swung laterally into a position clear of said churn to permit when detached unobstructed manual reciprocation of said dasher rod.

2,138,297
DRYING AND/OR COATING APPARATUS
Edward E. Ekert, Rego Park, and Gerald R. Richards, Manhasset, N. Y., assignors to American Chicle Company, Long Island City, N. Y., a corporation of New Jersey
Application February 17, 1938, Serial No. 190,964
6 Claims. (Cl. 34—5)

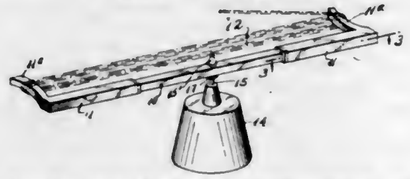


1. A drying and coating apparatus comprising

a rotary casing having side plates and a cylindrical screen forming with said plates a chamber for the reception of a tumbling material, a plurality of peripherally extending vanes carried by the casing and leading outwardly from said screen, means for rotating the casing with the screen and vane structure held thereby, and an air trough having effective communication with a plurality of said vanes at their outer ends during said rotation.

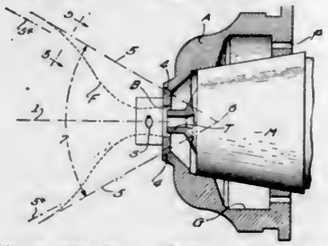
2,138,298
WITHDRAWN

2,138,299
ADJUSTABLE YARN WINDER
Peter J. Gruebel, Glendale, Long Island, N. Y.
Application June 1, 1938, Serial No. 211,106
7 Claims. (Cl. 242—113)



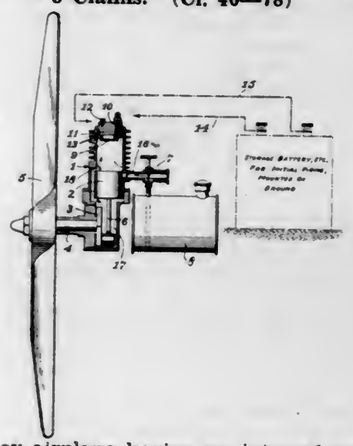
7. An adjustable yarn winder, comprising a resiliently extendible arm for holding a skein of yarn, a pedestal, a pin extending vertically from said pedestal and engaging into a centrally disposed opening formed in said arm for pivotally supporting said arm so that it may oscillate back and forth in a horizontal plane as said yarn is drawn therefrom, and headed elements extending horizontally and laterally from one side of the ends of said arm and between which said skein of yarn is stretched with the loops in vertical planes, said headed elements being formed with concaved outer faces into which the yarn engages to prevent the skein from slipping from the ends of the elements as the yarn is removed therefrom.

2,138,300
AIR NOZZLE FOR FLAT-SPRAYING APPLIANCES
Eric Gustafsson, Chicago, Ill., assignor to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application December 23, 1937, Serial No. 181,398
8 Claims. (Cl. 299—140.1)



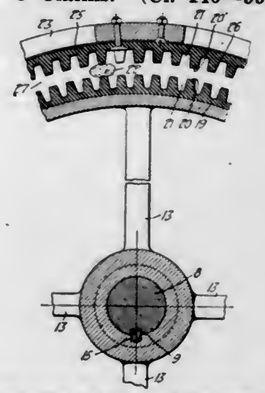
6. An air nozzle for a flat-spraying appliance, of the class in which the air nozzle has an axial air port and also is provided with two side ports forward of the outlet of the axial port, symmetrically disposed at opposite sides of the axial air port, the said side air ports having their axes disposed in a plane along the axis of the said axial port and intersecting on the latter axis at a point still farther forward from the outlet of the said axial port; the air nozzle being characterized by also being provided with two auxiliary air ports having their axes disposed in a second plane diametric of the air nozzle and at right angles to the aforesaid plane; the said auxiliary ports having their axes converging rearwardly symmetrically with respect to, and intersecting at a common point on the axis of the axial air port.

2,138,301
TOY AIRPLANE
Kenneth Howie, Norristown, Pa.
Application July 27, 1937, Serial No. 156,000
5 Claims. (Cl. 46—78)



1. A toy airplane having an internal combustion engine for driving the propeller, and ignition means kept active during flight solely by the heat of the explosions.

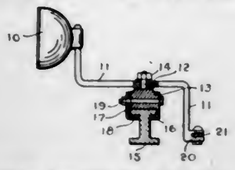
2,138,302
RAISIN CAPPER
Louis Kilner, Fresno, Calif., assignor to Sun-Maid Raisin Growers of California, Fresno, Calif., a cooperative association of California
Application August 9, 1937, Serial No. 158,193
8 Claims. (Cl. 146—55)



1. In apparatus of the character described, a pair of substantially circular rows of generally vertically extending spaced ribs of relatively soft material arranged in spaced concentric relation, means mounting said rows one within the other in said relation for movement of one of the rows relative to the other about a generally vertical axis common to both rows, means for passing raisins to between said rows at the upper ends

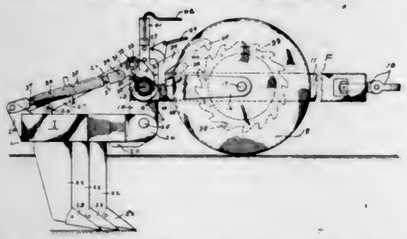
thereof for downward passage between said rows, and means for causing said movement of one of the rows of ribs relative to the other and means for causing simultaneous movement of the ribs of one row toward and away from the ribs of the other row during relative movement of the rows about said vertical axis.

2,138,303
AUTOMOBILE HEADLIGHT TURNING DEVICE
Albert Alphonse Knossalla, St. Walburg, Saskatchewan, Canada
Application August 25, 1937, Serial No. 160,922
1 Claim. (Cl. 240—62.72)



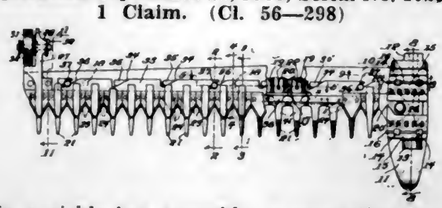
In a dirigible headlight structure for automobiles comprising supporting clamps including a block for mounting on top of the front axle of the automobile having a downwardly and inwardly extending integral lip for gripping one side of the axle and a jaw removably secured to the block for gripping the other side of the axle, pivot pins extending vertically from the center of the supporting clamps, supporting arms pivotally mounted on said pivot pins to swing in a horizontal plane having one end bent upwardly to support the headlamps and their opposite ends bent downwardly and outwardly for connection with the connecting rod of the steering mechanism of the automobile.

2,138,304
EARTHWORKING IMPLEMENT
Charles Le Bleu, Los Angeles, Calif.
Application March 27, 1936, Serial No. 71,242
5 Claims. (Cl. 97—73)



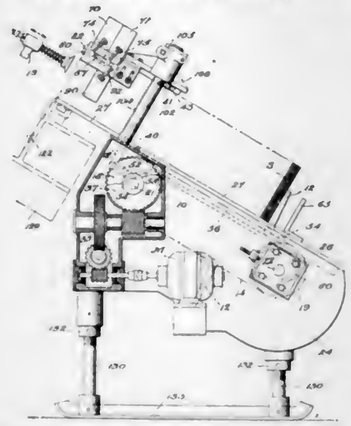
1. A machine of the character described comprising: a draft frame adapted at the forward end for connection to a tractor, a trunnion carried thereby, an implement frame pivotally connected to the draft frame in a plane beneath the draft plane and parallel to the trunnion, earth working implements carried by said implement frame, wheel brackets freely pivoted upon said trunnion and extending forwardly thereof, ground wheels carried at the forward ends of said wheel brackets and pivotal connecting means between the wheel brackets and the rear of the implement frame whereby a pull upon the draft frame in the draft plane with the earth working implements in working position will tend to swing the implement frame upwardly around its pivotal mounting on the draft frame and will tend to lift the rear of the draft frame from the pivotal axis of the ground wheels through force exerted by the pivotal connection between the rear of the implement frame and the wheel bracket.

2,138,305
SICKLE BAR FOR REAPERS AND MOWERS
William H. Null, Liberty, W. Va., assignor of one-half to George Null, Liberty, W. Va.
Application September 28, 1936, Serial No. 102,996
1 Claim. (Cl. 56—298)



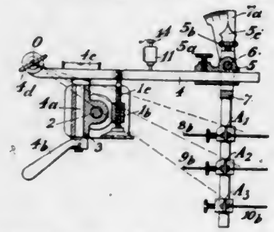
In a sickle bar assembly, a supporting bar, a knife bar movable relative thereto, substantially triangular shaped lugs projecting from the supporting bar, an adjustable retaining plate on the supporting bar for the knife bar and having notches correspondingly shaped to the lugs for receiving the same and also provided with diagonally disposed slots, and guide bolts engaged in the supporting bar and received in the said slots for the fastening of the retaining plate in adjusted position.

2,138,306
AUTOMATIC APPARATUS FOR FEEDING STRIPS OR SHEETS TO PRESSES OR OTHER MACHINES
Isaac Patrick, Brooklyn, N. Y., assignor to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware
Application October 15, 1937, Serial No. 169,128
10 Claims. (Cl. 271—62)



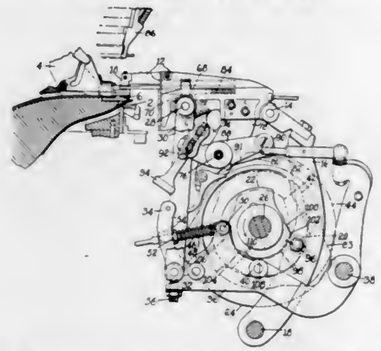
1. In automatic apparatus for feeding strips or sheets to presses or the like wherein the topmost sheets or strips are successively fed from the top of a stack and the stack is raised by elevating means as sheets or strips are removed from its top so as to bring the topmost sheets or strips of the stack into position to be acted on by the sheet removing means, an elevator having a bracket thereon for supporting a stack of sheets, a motor for actuating said elevator to raise and lower said bracket, dogs arranged to support a portion of said stack above the lift-limit of said elevator bracket while said bracket returns to its lower position to receive another stack of sheets to be united to the portion of the preceding stack supported by said dogs, a rest at a lower part of the elevator for supporting a stack of sheets in position to transfer the stack thereon to said elevator-bracket following the return-movement thereof, and means for controlling the movement of said motor-driven elevator.

2,138,307
BOMB SIGHT
Hans Raaber, Purkersdorf, near Vienna, Austria, assignor to Österr. Ung. Optische Anstalt C. P. Goerz Gesellschaft m. b. H., Vienna, Austria, a company of Austria
Application August 4, 1937, Serial No. 157,434
In Germany August 24, 1936
5 Claims. (Cl. 33—46.5)



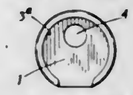
1. A sighting device for dropping objects from aircrafts, comprising a frame adapted to be levelled and to be adjusted in the direction of flight, a first sighting mark fixed on said frame, arms extending from said frame and carrying at least two parallel time scales, means for holding said scales inclined to the vertical by the angle of trail and at least one sighting mark slidably mounted on said arms, said sighting marks being severally adjustable with regard to the respective time scale.

2,138,308
LASTING MACHINE
William Thomas Buckingham Roberts, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application July 22, 1937, Serial No. 155,019
In Great Britain August 25, 1936
15 Claims. (Cl. 12—4)



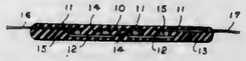
1. In a power-operated lasting machine, the combination with wipers for wiping an upper around the toe end of a last heightwise of the last and for wiping the margin of the upper inwardly over an insole on the last, of a device for clamping the margin of the upper outspread upon the wipers to control it in the lasting operation, and automatic means for moving said device from a position spaced a substantial distance inwardly from the edge of the insole outwardly along the bottom face of the insole in contact with said face to insure the spreading of all portions of the margin of the upper around the toe from over the insole and for thereafter moving the device heightwise of the last toward the wipers beyond the edge of the insole into position for the outspread margin of the upper to be clamped against it by the wipers for applying a pull to the upper as the upper is wiped heightwise of the last by the wipers.

2,138,309
IDENTIFICATION DEVICE FOR KEYS
John Traill Stevenson, Hendon, London, England
Application September 3, 1937, Serial No. 162,373
In Great Britain October 27, 1936
5 Claims. (Cl. 40—2)



1. An identification device for a key consisting of a disc of resilient material shaped to lie close against a key head, a peripheral flange having an in-turned edge extending around the periphery of said disc, whereby the device acts as a snap-on cap, and a part of the disc not provided with the flange accommodating the stem of the key to which the device is applied, said disc having a hole therethrough registering with the usual hole in the key head.

2,138,310
PRESSURE RESPONSIVE RESISTANCE DEVICE
Ogden Svenson, Strathclair, Manitoba, Canada
Application June 3, 1936, Serial No. 83,361
In Canada June 4, 1935
1 Claim. (Cl. 201—50)

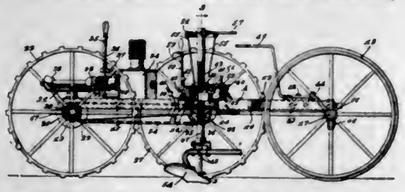


In a circuit controlling device a compressible base of non-conducting material, a series of contact members embedded in said base in longitudinal alinement with their ends in spaced apart relation, a second series of contact members embedded in said base in spaced parallel relation to said first series of contact members being movable towards and from the first series of contact members and having their ends in spaced apart relation, the individual members of one series of contact members being arranged to overlap the ends of the other series of contact members and the intervening space therebetween, and granular conducting material positioned between the two series of contact members adapted to be compressed by the movement of said base and to engage said contact members.

2,138,311
TRACTOR
John W. Thompson, Clanton, Ala.
Application October 26, 1937, Serial No. 171,107
8 Claims. (Cl. 97—24)

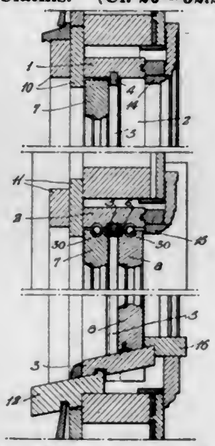
1. A tractor of the kind described comprising a chassis, wheels fitted with the chassis, means for transmitting power to certain of the wheels, means for reversing the direction of travel of the powered wheels, means for steering other of said

wheels, a turnable implement carrier intermediate of said chassis, means for turning said



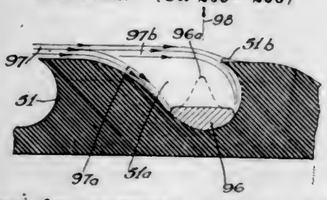
carrier, means for raising and lowering the carrier, and means for lateral swing of said carrier.

2,138,312
WINDOW CONSTRUCTION AND METHOD OF INSTALLING THE SAME
Benjamin J. Triller, Dubuque, Iowa
Application April 1, 1937, Serial No. 134,392
11 Claims. (Cl. 20—52.2)



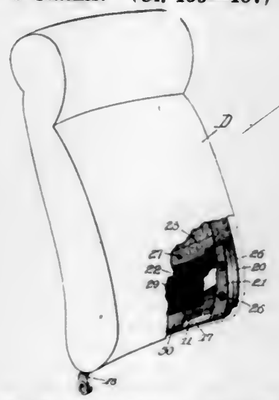
1. The method of constructing and installing windows, consisting in installing an outer frame unit in an opening in a building wall, providing an inner frame unit with parting stops, slidingly confining prefitted sash in said inner frame unit by interlocking weatherstripping between the sash and parting stop, and finally applying the inner frame unit with its incorporated sash to said outer frame unit.

2,138,313
RIFFLE BLOCK
Charles B. Ulrich, Jamestown, N. Y.
Original application January 16, 1933, Serial No. 651,887, now Patent No. 2,086,322, dated July 6, 1937. Divided and this application June 17, 1937, Serial No. 148,637
4 Claims. (Cl. 209—206)



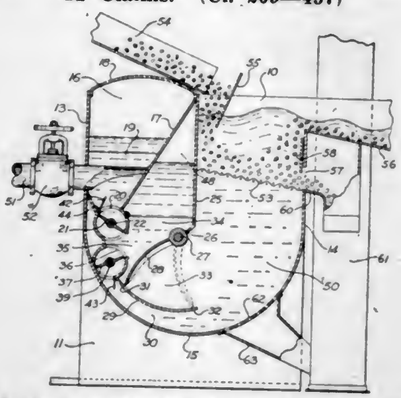
1. Means for recovering metal particles from mineral consisting of a riffle block having grooves therein to contain mercury, each of said grooves having end walls and curved side walls for retaining mercury therein, one side wall of each groove being concave and extending under the top surface of said block and presenting a sharp diverting edge to material flowing over the block in use, and the other side wall of each groove being convex and merging tangentially with the top surface of said block and curving gradually and without abrupt change of direction from the plane of the top of said block along said convex surface to the bottom portion of said groove, the surface of said groove being smoothly curved and unbroken from the top surface of said block to said diverting edge.

2,138,314
SEAT BACK
Clarence A. Van Derveer, Chicago, Ill., assignor to S. Karpen & Bros., Chicago, Ill., a corporation of Illinois
Application December 29, 1937, Serial No. 182,343
2 Claims. (Cl. 155—187)



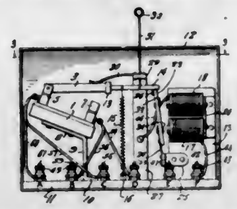
2. In a seat back, a frame providing top, side and bottom rails, a webbing extending the length of said frame and secured thereto, a second webbing secured to a front intermediate portion of said webbing, and means extending forwardly of said bottom rail for supporting the lower portion of said second-mentioned webbing at a spaced distance in front of said bottom rail.

2,138,315
PULSATING JIG
Gustave Andre Vissac, Calgary, Alberta, Canada
Application July 26, 1937, Serial No. 155,757
11 Claims. (Cl. 209—457)



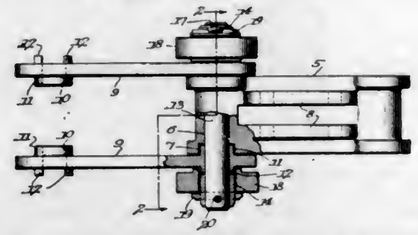
1. A jig comprising a casing, a hutch formed in said casing, screening means over the hutch, a swinging surge plate mounted at one side of the hutch, means for reciprocating the plate, an air chamber having an outlet communicating with the casing, means for supplying a constant flow of water to the air chamber from a suitable source of supply, and means for positively and alternately closing and opening the outlet of the air chamber positively to control the flow of water therefrom, said air chamber being adapted to store water when the outlet therefrom is closed.

2,138,316
BURGLAR ALARM
John A. Wall, East Nashville, Tenn.
Continuation of application Serial No. 687,501, August 30, 1933. This application August 24, 1937, Serial No. 160,708
6 Claims. (Cl. 200—106)



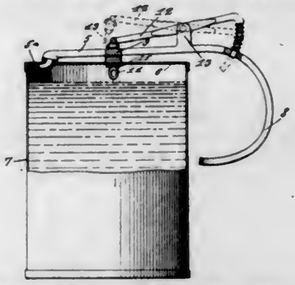
1. In a switch construction, a casing, a pair of contact members mounted within the casing, a pair of blade members adapted to engage said contacts, a trigger movable with and in longitudinal alignment with said blades, a spring secured to the trigger and the base of the casing for normally urging the blade members into engagement with the contacts, a stop member mounted on the base of the casing for limiting the upward movement of the trigger, a spring contact mounted on the stop member for contacting one of the blade members, when the trigger is moved to its uppermost position, and a spring supported element provided on the base of the casing for holding the blade members out of engagement with the contacts.

2,138,317
FURNACE CONVEYER CHAIN
Charles R. Weiss, Indianapolis, Ind., assignor to Link-Belt Company, a corporation of Illinois
Application November 17, 1936, Serial No. 111,328
19 Claims. (Cl. 198—168)



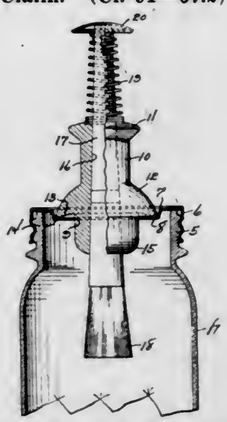
1. In a furnace conveyer chain assembly, a center link having recesses at the ends of its pitch holes, side bars having bosses received in said recesses and having pitch holes, a chain pin journaled in the pitch holes of the side bars and center link and projecting beyond each side of the assembly, a bearing bushing mounted on each projecting end of the chain pin, a supporting roller journaled on each bushing, and means at the ends of the chain pin for retaining the rollers and bushings in place.

2,138,318
CAN OPENING DEVICE
Elijah J. Willis, Morehead City, N. C., assignor of one-half to Jasper B. Frizzelle, Snow Hill, N. C.
Application July 11, 1938, Serial No. 218,677
2 Claims. (Cl. 221—23)



1. A device of the character described, comprising, a main bar equipped on the front end thereof with a prong adapted to penetrate the top of a can at one end thereof and to coact with said top to provide a pivot for said bar and said bar on the rear end thereof formed with a handle, a cross arm integrally secured to said main bar and equipped with oppositely disposed pouring end lips, tubular penetrating prongs carried subjacently by said lips and communicating with the latter and adapted for penetrating said top when said main bar is pivoted downwardly thereon whereby to permit liquid contained within said can to be poured through one of said prongs and air to enter to the other of said prongs upon said can being tilted in a sidewise direction relative to said main bar, a T bar pivoted to said main bar and fashioned with a pair of ends provided with stoppers normally sealing said tubular prongs and with a curved end operable through said handle, and a spring carried by said curved end and engaging said handle to normally maintain said stoppers in said tubular prongs whereby to maintain said can in sealed condition.

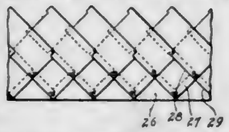
2,138,319
ADHESIVE CONTAINER STOPPER AND BRUSH
Albert A. Bilbrey, Salem, Oreg.
Application July 12, 1937, Serial No. 153,288
1 Claim. (Cl. 91—67.2)



In combination, a receptacle having a centrally perforated and countersunk cover piece, a stopper body fitted in said perforation, said

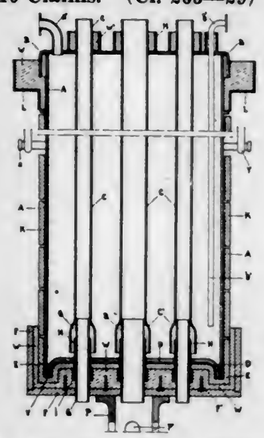
stopper body having adjacent its medial portion an outwardly extending downwardly concaved stopper body fitted in said perforation, said countersunk area and having a knife-edge arranged to contact said area, an upwardly tapered bore through said stopper body, a brush having a tapered handle arranged in said bore, and resilient means coacting with the brush and said stopper body to movably hold said handle in said bore.

2,138,320
ROOFING
Henry F. Bozalina, Houston, Tex.
Application November 21, 1935, Serial No. 50,819
6 Claims. (Cl. 108—33)



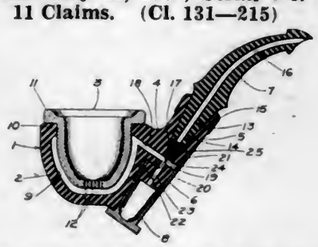
3. In combination, a shingle and a clip secured to the under surface of said shingle adjacent one corner thereof, said clip having an off-set tongue extending in a direction substantially parallel to one of the adjacent edges and away from the other adjacent edge of said shingle, and said second edge being notched at a position remote from said corner to receive and positively position a clip on a superposed shingle.

2,138,321
SPECIAL RETORT AND APPARATUS FOR REFINING RAW MATERIALS IN SOLID, LIQUID, VAPOR, AND GASEOUS FORM
Constantin Paul Bratasianu, Craiova, Rumania
Application July 9, 1937, Serial No. 152,867
In Rumania July 18, 1936
10 Claims. (Cl. 263—29)



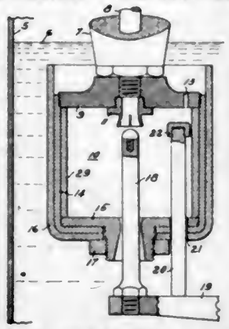
1. A retort for use in the treatment of raw materials, such as crude ores and/or solid carbonaceous combustibles and/or hydrocarbons, said retort comprising a vertical cylindrical wall adapted to resist temperatures up to 1000° C. under atmospheric pressure and comprising a plurality of multi-part heating tubes extending therethrough longitudinally thereof, said retort being provided with a cover at its top and with a base plate at its bottom, said heating tubes being open at both ends thereof, extending out of the said cover at one end and out of the base plate at the other end, and the greater portion of each heating tube being easily withdrawable upwardly without the necessity of disconnecting or destroying any mechanical assembling member, and means for heating said retort by injecting downwardly into said tubes and burning therein a mixture of air and gas.

2,138,322
SMOKING PIPE
Harry A. Douglas, Bronson, Mich.
Application May 18, 1936, Serial No. 80,227
11 Claims. (Cl. 131—215)



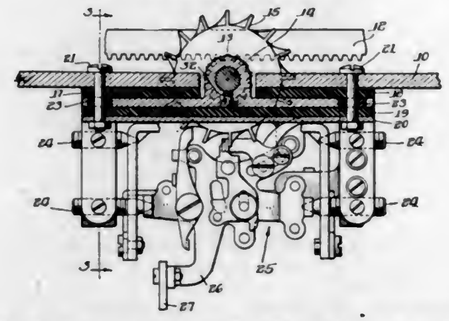
1. A pipe comprising a body formed to provide a cup with a portion offset from a side wall thereof, a bowl detachably connected to said cup and a tubular pipe stem arranged on said offset portion, said bowl being spaced from said cup and forming an air chamber adjacent said bowl and communicating with the interior thereof, a receptacle embracingly connected to said offset portion, and said body being formed with a passageway to communicatively connect together the air chamber, receptacle, and the passageway in the pipe stem whereby all the smoke to be drawn through the stem will pass from said bowl to said air chamber and from said chamber directly into and through said receptacle.

2,138,323
ACCELERATED BREAK CIRCUIT INTERRUPTER
John D. Hilliard, Glens Falls, N. Y.
Application December 9, 1933, Serial No. 701,611
8 Claims. (Cl. 200—150)



1. In a circuit breaker, the combination of a pressure pot having a contact passageway and a second passageway therein, a stationary contact mounted within said pressure pot, a movable contact substantially closing said contact passageway and extending therethrough for engagement with said stationary contact, a movable contact carrying member operable to disengage said movable contact from said stationary contact to draw a pressure generating arc within said pot, and means utilizing said pressure for accelerating the disengaging movement of said movable contact comprising an auxiliary member operable in said second passageway independently of the cross sectional area of said contact passageway.

2,138,324
MEANS FOR REDUCING SHOCK IN THE ESCAPEMENT MECHANISMS OF TYPEWRITERS
James F. Koca, Woodstock, Ill., assignor to Woodstock Typewriter Company, Woodstock, Ill., a corporation of Illinois
Application December 8, 1936, Serial No. 114,791
5 Claims. (Cl. 197—82)

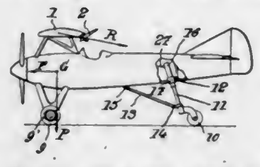


5. In a typewriter or the like, having a main frame and a platen carriage carried directly thereby, the combination of escapement mechanism comprising a carriage operated member and means for controlling the movement of said carriage operated member, and means for resiliently mounting said escapement mechanism upon said main frame of the typewriter.

2,138,325
PROCESS OF MAKING NEUTRAL SIZED PAPER
Walter A. Nivling, Newton Center, Mass.
No Drawing. Application March 26, 1936, Serial No. 71,058
5 Claims. (Cl. 92—40)

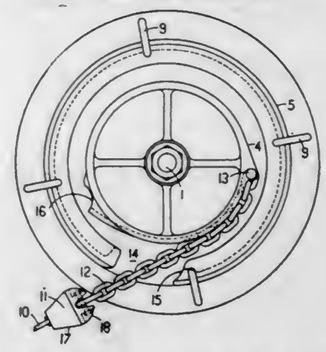
2. In a process of obtaining a sized, substantially neutral web, the steps comprising subjecting the web forming fibers to the action of an aqueous bath containing a colloidal dispersion of aluminum resinate, a protective colloid, and ammonium hydroxide in sufficient amount to preserve in that portion of the bath in contact with the fibers a pH of at least 6.5 throughout such period of contact, and thereafter drying the web to remove water and excess ammonia and to produce a substantially neutral dried web.

2,138,326
FLYING MACHINE
Robert Pouit, Issy-les-Moulineaux, France
Application January 23, 1936, Serial No. 60,538
In France January 28, 1935
19 Claims. (Cl. 244—110)



1. In a flying machine, having a fuselage, landing wheels arranged under the front part of said fuselage, and mechanical means for braking said landing wheels while running on the ground, at least one surface subjected to the reaction of air, at least one trailing edge flap of substantially smaller area than said surface mounted along and trailing the rear edge of said surface symmetrically at both sides of said fuselage, means for adjusting the angular position of said flap relative to said surface, the front part of said flap and the rear part of said surface being so shaped that a passage is formed between said surface and said flap when said flap is turned in the direction in which the rear edge thereof is raised, whereby the air stream flowing along the under side of said surface is deviated upwardly and the flap not only serves as an air brake but also as a lift eliminator for said surface, common means for controlling said braking means and for turning said flap in upward direction simultaneously with the actuation of said braking means, whereby the upward displacement of said air stream increases the adhesion of the machine to the ground and the action of said braking means can be increased.

2,138,327
WIRE DRAWING MACHINE
Samuel Hugh Richards, Harpenden, England
Application October 11, 1937, Serial No. 168,463
In Great Britain October 12, 1936
2 Claims. (Cl. 205—20)

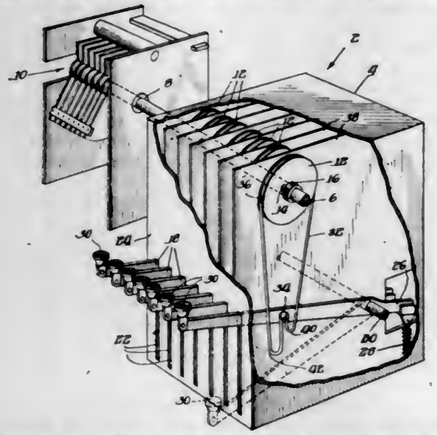


1. In a wire drawing machine a driving shaft, a hollow wire winding block independently rotatable about said shaft and having an aperture in its periphery, a drum member rigidly mounted on the shaft, said drum member being located within the block and spaced radially therefrom, a flexible connector passing through said aperture in the block periphery, means for anchoring one end of said connector to the drum periphery, a wire gripping device secured to the other end of said connector, and stop means on the block adjacent said aperture therein, said stop means being adapted to obstruct movement of the gripping device around the annular space between the drum and the winding block, the length of said connector being such that in operation the gripping device is drawn against the stop means on the winding block and thereby applies driving torque to said winding block.

2,138,328
RADIO TUNING DEVICE
William J. Schnell, Berwyn, Ill.
Application November 20, 1937, Serial No. 175,695
6 Claims. (Cl. 74—10)

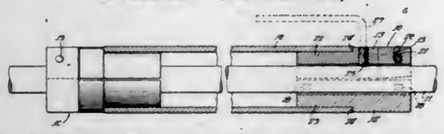
1. In a tuning device for a radio receiver or the like, a tuning element, a shaft for operating said element, a plurality of individually operable cables, means operatively connecting said cables to turn with the shaft and at predetermined points spaced angularly about the axis of said shaft in accordance with the tuning posi-

tions of the tuning element for desired broadcasting stations, and selectively operable means



connected to said cables to cause operation of said shaft to said predetermined tuning positions.

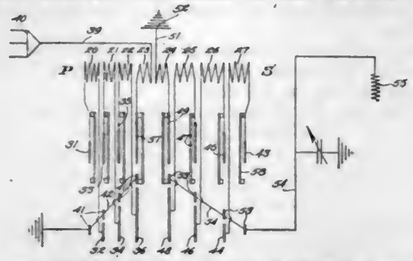
2,138,329
EXPANDING COLLAR
Ernest T. Straubel, Green Bay, Wis.
Application August 5, 1937, Serial No. 157,550
3 Claims. (Cl. 242—68)



1. A device for connecting a hollow core with an axial shaft, said device comprising an elongated collar adapted to slip over the shaft, said collar consisting of two substantially semi-cylindrical sections adapted to be inserted in the core, a plurality of arcuate projections on the inner periphery of and at the opposite ends of one of said sections, the outer ends of said sections having contiguous overlapping portions, a pivot extending through said overlapping portions transversely to the axis of the shaft, and means initially operable to rotate the sections relative to each other about said pivot as an axis and thereby to engage the full length of the inserted portions of said sections with the core, said means being subsequently operable to move said sections apart and thereby to clamp the sections in frictional engagement with the core and to clamp said arcuate portions in frictional engagement with the shaft.

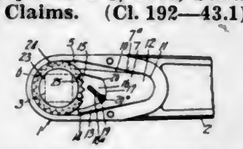
2,138,330
RADIO FREQUENCY COIL
Harold E. Thompson, Gordon, Nebr.
Application July 19, 1937, Serial No. 154,477
4 Claims. (Cl. 171—242)

1. A radio frequency coil for a multiplicity of wave bands comprising a cylindrical form, a plurality of sections wound on said form, segments on the interior of said form with one connected to each of the extremities of said sections, the segments being arranged in pairs disposed in different planes with the units of each pair in a common plane, a cylindrical member within said form and angularly movable with respect thereto, and spaced clips carried by said member and arranged in pairs in the planes of the pairs of said segments for contacting with the segments upon relative angular movement of the member and



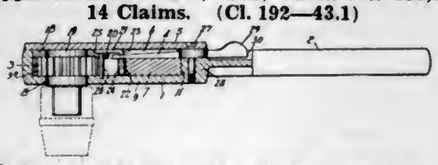
form, the units of each pair of clips being electrically connected.

2,138,331
RATCHET WRENCH
Ferrari P. Ward, Hartford, Conn., assignor to The Billings & Spencer Company, a corporation of Connecticut
Application September 4, 1936, Serial No. 99,451
27 Claims. (Cl. 192—43.1)



1. In a ratchet wrench, a rotatable ratchet, a pawl for rotating the same, a spring having a depending portion engaging said pawl to hold the same in ratchet engaging position, and means providing a pivot for said spring disposed between the axes of said ratchet and pawl.

2,138,332
WRENCH
Carl R. Geisel, Windsor, Conn., assignor to The Billings and Spencer Company, a corporation of Connecticut
Application March 7, 1938, Serial No. 194,410
14 Claims. (Cl. 192—43.1)

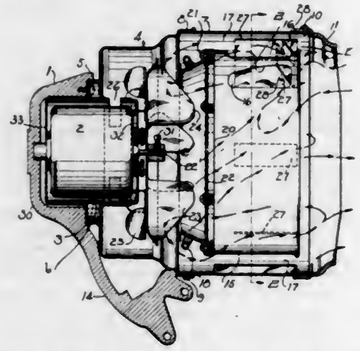


2. In a ratchet wrench, a body portion having a chamber therein, a rotatable ratchet mounted in said chamber, a bearing for said ratchet, a pawl in said chamber for rotating the ratchet, and a spring pivotally mounted in said bearing and having a portion arranged to engage the pawl in ratchet engaging position.

2,138,333
DRYING APPARATUS
Wendell L. Martin, Cleveland, Ohio
Application May 6, 1936, Serial No. 78,244
5 Claims. (Cl. 34—26)

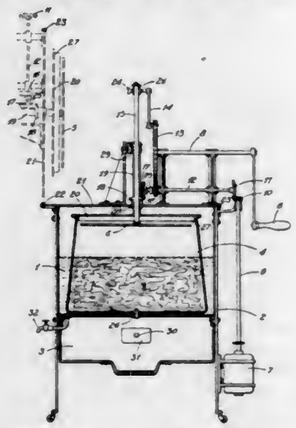
5. An apparatus for drying by fluid circulation comprising outer and inner shells, means for supporting said shells, a motor in said outer shell and supported by said means, said outer shell being open at its front end and bent downwardly at its rear end to substantially enclose said motor, said inner shell being open at its front and rear ends and spaced from said outer shell for forming a substantially ring-shaped passage between

said shells, a heating element adjacent said passage, openings in said inner shell communicating with said passage and with the interior of said inner shell, fins positioned along one side edge of said openings, baffle members extending along the forward edges of said openings, a circulator



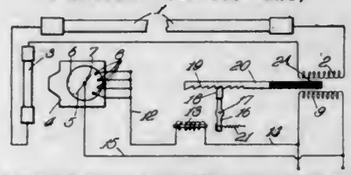
supported and driven by said motor and positioned rearwardly of said inner shell, said circulator being a centrifugal fan adapted to draw air inwardly through said inner shell and direct the same outwardly and forwardly through said ring shaped passage against said fins and baffles and through said openings.

2,138,334
WASHING MACHINE
Denise Becquet, Brussels, Belgium, assignor to Dr. Ing. Roberto Parrilli, Milan, Italy
Application August 24, 1935, Serial No. 37,639
In Belgium September 4, 1934
3 Claims. (Cl. 68—23)



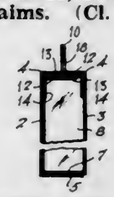
1. In a washing machine, the combination of a laundry casing, a pivot centrally located on the bottom of said casing, a hollow rotatable extracting container loosely supported on said pivot, the transverse diameter of said container being larger than its vertical height, said pivot supporting the center of the bottom of the container spaced from the bottom of the casing, said container having a downwardly flaring shape and being adapted to rest in idle position with a portion of its lower edge on the bottom of said casing when not in rotation, means for centering and rotating said container, a flat reciprocating pounder, and means for reciprocating said pounder.

2,138,335
CONTROL OF ELECTRIC DISCHARGE TUBES
Auguste Harry Brackensey, London, England, assignor of one-half to The Franco-British Electrical Company Limited, London, England, a British company
Application November 30, 1937, Serial No. 177,205
In Great Britain February 5, 1937
6 Claims. (Cl. 176—124)



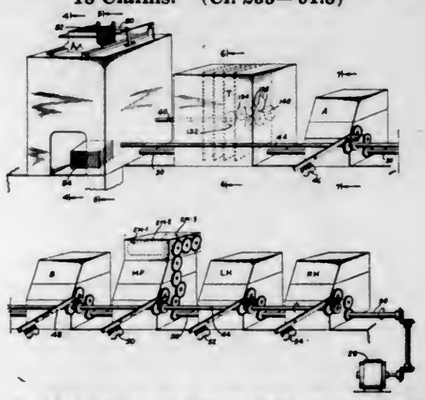
1. A method for controlling mercury low pressure electric discharge tubes having a luminescent coating on the interior walls of the tube, which consists in boosting the current flow through the tube at progressively increasing intervals of time during the useful life of the latter to maintain the luminous output thereof.

2,138,336
BOX AND HANDLE
Louis Bronstein, Newark, N. J., assignor to New York Folding Box Co., Jersey City, N. J., a corporation of New Jersey
Application March 11, 1938, Serial No. 195,217
9 Claims. (Cl. 229—52)



1. The combination with a box having a slot in one wall thereof, of a handle including a loop fitted in and projecting through said slot, and a base extending at each side of the loop and underlying said wall of the box at opposite sides of said slot, said base extending transversely through said loop and across said slot.

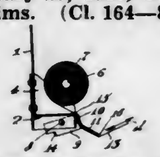
2,138,337
ACCOUNTING MACHINE
James W. Bryce, Bloomfield, N. J., and George F. Daly, Johnson City, N. Y., assignors, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application January 24, 1930, Serial No. 423,000
18 Claims. (Cl. 235—61.8)



1. An accounting machine with record handling

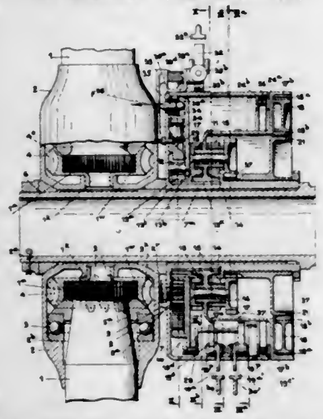
devices, multiplying devices, factor set-up devices for controlling the operation of the multiplying devices, means operable automatically by the operation of the machine for deriving and algebraically adding two amounts from a record and entering the result amount upon one factor set-up device, means for entering another amount from the same record in which the two amounts were derived upon the other factor set-up device, and automatic means for thereafter bringing the multiplying devices into operation to produce a product of the factors.

2,138,338
APPARATUS FOR SUPPORTING PAPER REELS
Mario Casasco, Buenos Aires, Argentina, assignor to A. & M. Casasco & Cia.
Application January 29, 1937, Serial No. 122,958
2 Claims. (Cl. 164—84.5)



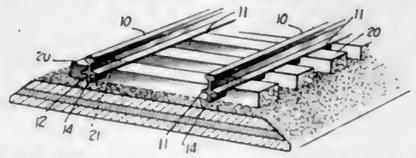
1. A sheet paper dispensing device comprising a sheet metal holder member for a roll of the paper and having trunnion supports for the roll, a U-shaped cutter member the legs of which are pivotally mounted at the bottoms of the sides of the holder member, said holder member and cutter member having substantially parallel vertical plate members between which the paper is fed and said cutter member also having a forwardly and downwardly projecting lip on which the paper may be ripped, said lip when lifted by the paper to be ripped pressing said plate members together to grip the paper therebetween.

2,138,339
AIRSCREW HAVING A VARIABLE PITCH
Lucien Edouard Chauviére, Paris, France, assignor to Société Anonyme: Forge et Usinage de Métaux Légers (Hélices Métalliques Chauviére), Vitry-sur-Seine, France
Application June 17, 1936, Serial No. 85,757
In France June 20, 1935
10 Claims. (Cl. 170—163)



1. In a variable pitch airscrew comprising a hub, blades rotatably mounted in said hub, worm gears rigid with the roots of said blades, worms meshing with said worm gears, said worms being rotatably controlled by the rotation of said airscrew for modifying the pitch of said blades, in combination: a casing rigid with said hub, pinions journalled in said casing and so shaped for meshing and being rendered rigid with the ends of said worms, a ring gear journalled in said casing co-axial to said hub and meshing with said pinions, so that the movement of rotation of said ring gear in said casing determines the rotation of said pinions, a fluted gear journalled coaxial to said hub and so shaped as to present a set of teeth, rockers pivoted on said ring gear, reversely arranged and so shaped as to constitute noses fitting in said flutes of the fluted gear for rendering it rotatably rigid with said ring gear, means effective upon attainment of predetermined limiting values of pitch to move said rockers out of engagement with said flutes, a member fast on the airscrew hub for constituting the driving gear, said member being so shaped as to present a set of teeth, a first drum journalled on said hub, gears journalled in said first drum and meshing, on the one hand, with the teeth of the fluted gear, and, on the other hand, with the teeth of the said driving gear for kinematically connecting with the driving gear, said fluted gear, a second drum loosely mounted on the hub, means for kinematically connecting the second drum with the last mentioned gears, means for braking one or the other of the drums but not simultaneously for causing the rotation of said fluted gear in one direction or the other and, consequently, through the medium of the rockers, that of the ring gear controlling the pinions fast on the worms meshing with the worm gears fast on the blades for modifying the pitch of the latter in one direction or the other.

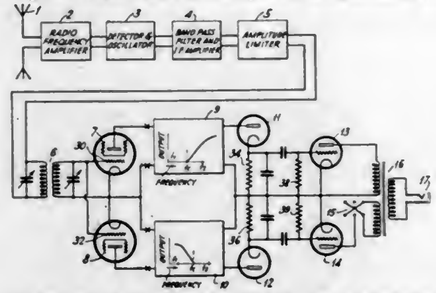
2,138,340
RAILROAD TRACKAGE
Frederic John Chemidlin, Scotch Plains, N. J.
Application January 27, 1938, Serial No. 187,139
1 Claim. (Cl. 238—10)



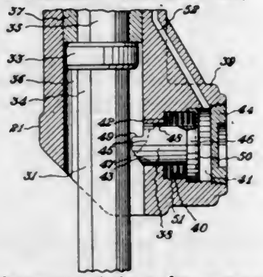
In a small scale model railroad system, a track comprising a plurality of cross ties provided with slots cut transverse the length thereof, a rail having a web projecting downwardly from the base of the rail and adapted to be forced vertically into the slots in the cross ties, said web having an enlarged end extending the entire length of the web, whereby the fiber of the tie having been longitudinally compressed temporarily while the rail is being inserted in the slot will return to normal, thereby gripping the rail and preventing its removal.

2,138,341
FREQUENCY OR PHASE MODULATION RECEIVER
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 26, 1937, Serial No. 144,778
11 Claims. (Cl. 250—20)

1. The method of demodulating wave energy modulated in phase or frequency which includes the steps of, separating said wave energy into two portions, utilizing one of said portions to produce potentials which vary in amplitude substantially linearly as the phase or frequency of said wave varies between the mean phase or frequency of said wave energy and one remote side frequency only, utilizing the other of said portions to produce potentials which vary in amplitude substantially linearly as the phase or frequency of said wave varies between the mean phase or frequency of said wave energy and the other remote side frequency only, and combining said produced potentials to reproduce the signal.

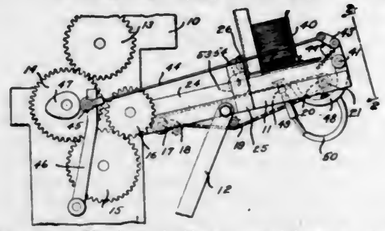


2,138,342
IMPLEMENT RETAINER
Ernest H. Dickenson, New York, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application April 30, 1938, Serial No. 205,193
4 Claims. (Cl. 121—32)



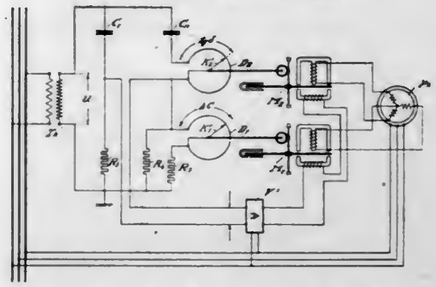
1. An implement retainer for a percussive tool, comprising in combination with a casing and a working implement, a retainer for the working implement movable in the casing and having a pressure surface, and a port in the casing to supply pressure fluid to the pressure surface for actuating the retainer with respect to the working implement.

2,138,343
FEEDING MECHANISM FOR OFFSET PRINTING MACHINES
Paul H. Durup, Wollaston, Mass., assignor to Art-O-Graphic Printing Company, Inc., Boston, Mass., a corporation of Massachusetts
Application October 14, 1937, Serial No. 168,853
8 Claims. (Cl. 271—12)



1. In an offset printing machine a feeding mechanism for feeding envelopes, comprising in combination a frame, an endless carrier in said frame, holding means located on said frame, said holding means provided with adjustable shelf portions for holding two sides of an envelope stack, suction means pivotally mounted in said frame adapted to engage with the bottom unit in the said stack by uniformly pulling an envelope away from the said edges uniformly and releasing it upon the carrier member, roll means located in said frame in floating engagement with said carrier for advancing envelopes therealong, and being located in such manner that their peripheries fall directly and tangentially under the forward edges of envelopes in the said stack.

2,138,344
SYSTEM FOR MEASURING ALTERNATING CURRENT QUANTITIES
Wilhelm Geyger, Berlin-Schmargendorf, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application September 1, 1936, Serial No. 98,886
In Germany October 3, 1935
8 Claims. (Cl. 175—183)

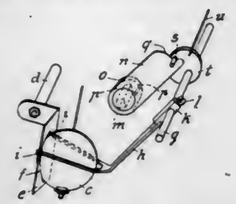


4. In a system for compensating an alternating voltage, an alternating voltage source synchronous with the voltage to be compensated, two variable balancing means arranged with said source in a circuit producing 90° phase difference between the two adjustable voltages derivable from said balancing means, said means being disposed for balancing by said adjustable voltages the voltage to be compensated, two wattmetric measuring devices each having a voltage coil, a current coil and an armature actuated by the exciting fields produced by said coils, each of said armatures being mechanically connected with one of said variable balancing means to adjust said means independently of the other balancing means, an arrangement for supplying each of said voltage coils with a current independent of that of the other voltage coil, phase displacing means for adjusting a phase difference between the exciting fields of said wattmetric devices, and an amplifier having its input circuit connected in a branch of the system in which by said adjustable voltages a voltage compensation is effected and having its output circuit connected with the current coils of said two wattmetric instruments.

2,138,345
PENDULUM LOCKING DEVICE FOR CLOCKS
Helmut Junghans, Schramberg-Sulgen, Germany
Application April 6, 1938, Serial No. 200,295
In Germany January 19, 1937
5 Claims. (Cl. 58—129)

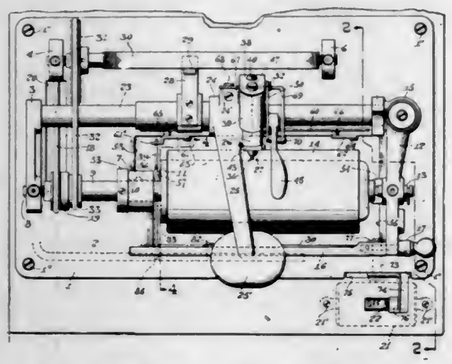
1. In a pendulum locking device for clocks, a back stay located in the plane of oscillation of

the pendulum bob, a rotatable gripper adapted to be actuated from the front of the clock for



moving the pendulum bob into engagement with the said back stay, and means for locking the said gripper in the engaged position of the bob.

2,138,346
PHONOGRAPH RECORD SHAVING MACHINE
Sam G. Langley, Maplewood, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application March 3, 1938, Serial No. 193,640
26 Claims. (Cl. 82—1.1)

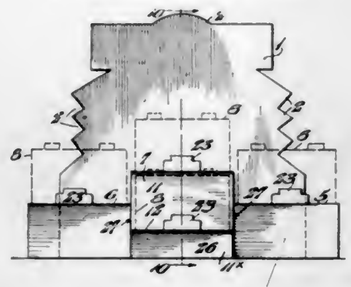


1. In a phonograph record shaving machine, the combination of a mandrel for supporting a record movable from a normal operative position; means for controlling the movement of said mandrel; a resurfacing tool; means for setting the tool in operative position with respect to a supported record when said mandrel is in operative position; and means for moving said tool out of operative position as an incident to the movement of the mandrel from its normal operative position.

2,138,347
PURIFICATION OF CAUSTIC
Raymond M. Law and Harry C. Britton, Syracuse, N. Y., assignors to The Solvay Process Company, New York, N. Y., a corporation of New York
No Drawing. Application March 19, 1934, Serial No. 716,431. Renewed June 12, 1937
9 Claims. (Cl. 23—184)

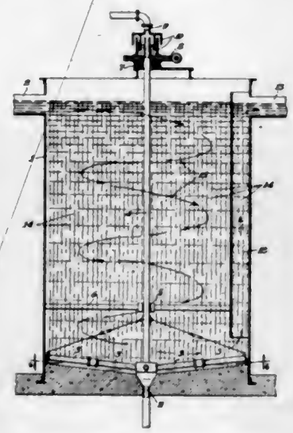
9. The method of purifying an aqueous concentrated sodium hydroxide solution, which comprises mixing with the solution to be purified at an elevated temperature, a sodium carbonate suspension obtained by addition of an aqueous alkali carbonate solution to an aqueous concentrated sodium hydroxide solution at an elevated temperature, cooling the mixture, and filtering the cooled mixture to separate the precipitate from the sodium hydroxide solution.

2,138,348
DISPLAY DEVICE
Charles A. Long, Jr., Haddon Heights, N. J.
Application December 1, 1936, Serial No. 113,560
6 Claims. (Cl. 211—135)



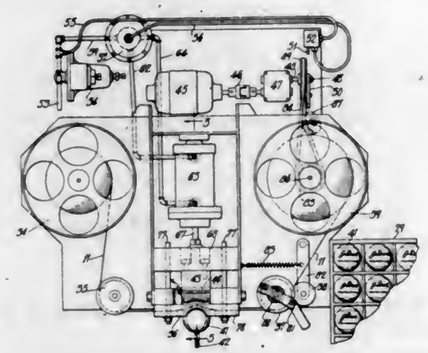
1. A display device comprising a vertical body portion, a separable platform construction for supporting the object to be displayed secured to the lower front portion of said vertical body portion, said separable platform construction comprising a plurality of platforms in different horizontal and vertical planes, and means for detachably locking said platform construction to said vertical body portion.

2,138,349
METHOD AND APPARATUS FOR AERATING SEWAGE
Edward B. Mallory, Tenafly, N. J.
Application February 10, 1936, Serial No. 63,123
13 Claims. (Cl. 210—8)



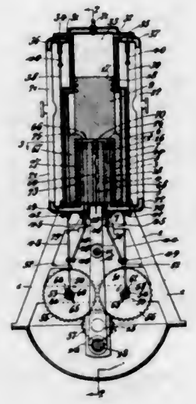
1. The method of treating sewage mixed liquor containing oxidizable matter including previously aerated solids in suspension, which comprises feeding the mixed liquor into a tank near its top, passing air through a diffuser, moving the diffuser through the lower region of the tank so as to underlie different superjacent columns of mixed liquor in the tank and cause the air to bubble upwardly therethrough to progressively oxidize oxidizable matter in the mixed liquor, passing the mixed liquor downwardly through the tank in countercurrent relation to the path of air travel, and withdrawing the mixed liquor containing oxidized matter from the tank near its bottom.

2,138,350
APPARATUS FOR PRINTING TENNIS BALLS
Cuyler S. McChesney and Michael Lukacz, Jr., Kenmore, N. Y., assignors to Dunlop Tire and Rubber Corporation, Buffalo, N. Y., a corporation of New York
Application March 30, 1937, Serial No. 133,782
6 Claims. (Cl. 41—1)



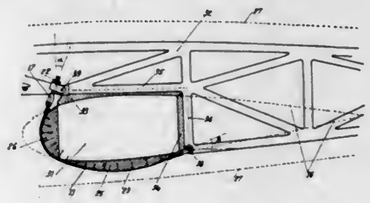
1. Apparatus for printing the surfaces of fabric covered balls which comprises a printing block, means for heating said printing block, a register block, means for passing a transfer strip at successive intervals progressively between said printing block and said register block, and means to move said printing block toward said transfer strip and said register block and hold it thereagainst for predetermined timed intervals between each movement of said transfer strip.

2,138,351
INTERNAL COMBUSTION ENGINE
John L. McGonigall, Philadelphia, Pa.
Substitute for application Serial No. 11,511, March 16, 1935. This application January 18, 1938, Serial No. 185,554
2 Claims. (Cl. 123—63)



1. In an internal combustion engine, the combination with a power cylinder consisting of an exterior wall having a cooling jacket and provided with opposed pressure power chambers, of a stationary core element fixed within one of said chambers with its cylindrical periphery in spaced relation to the interior surface of said cylinder, a movable solid piston mounted for reciprocating movement in the other pressure power chamber and having a depending sleeve telescoping over the stationary core element and reciprocating in the space between the stationary core element and the cylinder wall, a crank shaft operatively connected to and being impelled by said reciprocating piston element, power fuel admission means for said chambers and being in turn operatively connected to said crank shaft, certain of said power fuel admission means being mounted in and passing through said stationary core, the construction and arrangement of said power fuel admission means being such as to alternately operate, whereby reciprocating movement may be imparted to the reciprocating piston element.

2,138,352
AIRPLANE WING STRUCTURE
Pierre Ernest Mercier, Paris, France
Application April 21, 1937, Serial No. 138,125
In France April 29, 1936
14 Claims. (Cl. 244—123)



14. An aircraft comprising a wing spar and annexed frameworks, forming a dihedral angle in which are arranged two faces of the wing spar, the said structure comprising a plurality of partitions disposed in essentially parallel planes, elements of wood assembled by gluing and disposed over the periphery of the partitions essentially at right angles to the planes thereof, metallic straps forming hoops binding the elements of wood to the frames and extending over the faces of the wing spar other than the aforesaid two faces, blocks interposed between the spar and the straps and defining an outer convex profile, means for anchoring one extremity of each strap to the said adjacent frameworks and means for mechanically tightening the said straps.

2,138,353
RAZOR
Octavius Victor Rodrigues, Passaic, N. J., assignor to Magazine Repeating Razor Company, New York, N. Y., a corporation of New Jersey
Application March 31, 1937, Serial No. 133,971
8 Claims. (Cl. 30—64)



8. In a razor, a blade platform, a guard, complementary members on said blade platform and said guard respectively, providing a sliding connection between them, which said connection permits the guard to be completely withdrawn from the blade platform, complementary hinge

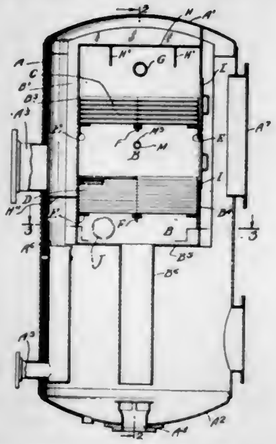
members on said blade platform and said guard respectively, said complementary members being positioned with respect to each other and adapted to make detachable pivotal connection between the blade platform and the guard when the latter is completely withdrawn from its sliding connection with the former, said guard being provided with a lug and said blade platform being provided with a spring that bears against the lug and urges the guard toward the blade platform.

2,138,354

APPARATUS FOR HEATING AND DEAERATING WATER

Victor A. Rohlin, Philadelphia, Pa., assignor to Cochrane Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application August 19, 1936, Serial No. 96,747
4 Claims. (Cl. 183—2.5)



1. In deaerating apparatus, the combination with a tank adapted to withstand a substantial internal steam pressure, of means providing a deaerating compartment within said tank having walls separate from the wall of said tank and including a steam space in free communication with the tank space external to said compartment, means for introducing water and steam into and effecting their intimate contact within said steam space, means for passing water out of the lower portion of said compartment, and means including a conduit communicating with said compartment and extending therefrom through the wall of said tank for passing air separated from the water in said compartment to the exterior of said tank, without coming into contact with the inner wall of the tank.

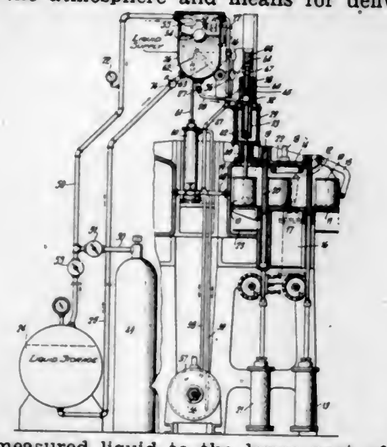
2,138,355

APPARATUS FOR FILLING CONTAINERS UNDER GAS

William Miles Ryan and John W. Bold, Brooklyn, N. Y., assignors to Ryan Coffee Corporation, Brooklyn, N. Y., a corporation of New York

Application September 5, 1935, Serial No. 39,270
15 Claims. (Cl. 226—68)

15. Apparatus for filling a container with a charged liquid under air-free conditions which comprises a filling room, a vacuumizing and gassing chamber opened alternately to atmosphere and said chamber, means for alternately evacuating said room and admitting selected gas and air thereto, means outside of said room for measuring a quantity of liquid out of contact with the atmosphere and means for delivering



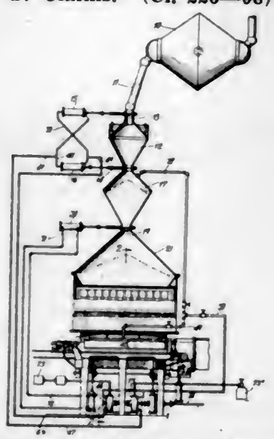
said measured liquid to the lower part of said container in said room.

2,138,356

WEIGHING AND FILLING APPARATUS AND METHOD

William Miles Ryan and John W. Bold, Brooklyn, N. Y., asignors to Ryan Coffee Corporation, Brooklyn, N. Y., a corporation of New York

Application October 1, 1935, Serial No. 42,990
17 Claims. (Cl. 226—68)



1. A method for filling containers with a weighed quantity of material under selected gaseous conditions which comprises withdrawing air from a container, measuring a quantity of material, withdrawing air from said measured quantity of material, and filling a predetermined weight of said material into said container.

2,138,357

DIALYSIS OF AQUEOUS CAUSTIC SOLUTIONS

Arthur W. Saddington and Arlie P. Julien, Syracuse, N. Y., assignors to The Solvay Process Company, New York, N. Y., a corporation of New York

No Drawing. Application April 24, 1936, Serial No. 76,250
10 Claims. (Cl. 23—184)

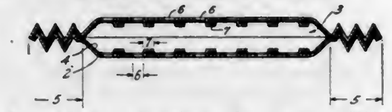
8. In the preparation of aqueous potassium hydroxide solution having a KOH concentration between 20% and 30% from aqueous potassium hydroxide solution of around 50% concentration involving passage of the latter solution in countercurrent dialytic relation with aqueous liquid, the improvement which comprises passing the more concentrated solution through a series of alternate dialytic zones and cooling zones, and regulating the cooling in said cooling zones so that the maximum temperature in said dialytic zones is maintained below about 30° C.

2,138,358

PERFORATE PACKAGE STRUCTURE

Leroy L. Salfisberg, South Orange, N. J., assignor to Ivers-Lee Company, Newark, N. J., a corporation of Delaware

Application August 21, 1936, Serial No. 97,107
5 Claims. (Cl. 99—77.1)



1. A package structure for commodities such as tea leaves and the like comprising an envelope structure formed of opposed layers of packaging material joined together by the fusion of an intermediately disposed thermo-plastic material, and having a multiplicity of flap openings to permit the infusion of a liquid such as water to intermingle with the contained commodity.

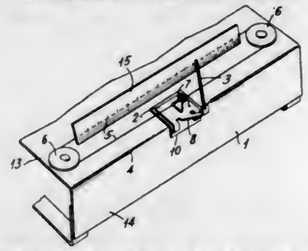
3. The package in accordance with claim 2 in which said flaps extend internally of said envelope and have the surfaces thereof attached to the inside of said envelope by said fused thermo-plastic material.

2,138,359

INDICATING DEVICE

Otto Siepke, Berlin-Staaken, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany

Application May 28, 1937, Serial No. 145,220
In Germany May 29, 1936
4 Claims. (Cl. 116—124.1)



1. Means for indicating the setting of a tuning device comprising a radio receiver chassis having a flat face, a graduated scale mounted parallel to said face, a slide in engagement with said flat face and having a portion extending adjacent said scale and means connecting said slide to the tuning device.

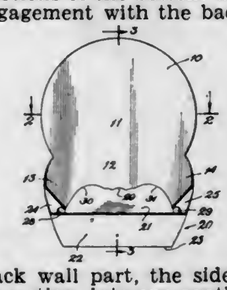
2,138,360

BASKET DISPLAY

Nicholas Snelling, Jackson Heights, Long Island, N. Y.

Application December 7, 1936, Serial No. 114,616
2 Claims. (Cl. 229—41)

1. A collapsible knock-down display basket comprising a shallow basket portion consisting of a front wall part, a back wall part, the front wall part having foldable side walls, the back wall part including flexed side walls secured to the first named side walls, said back wall part having an upwardly extending display section extending only from said back wall, said front wall having at the lower edge thereof an integral foldable bottom wall part forming the bottom of the basket, the rear side portions of the bottom wall part having a flexed engagement with the back wall part to



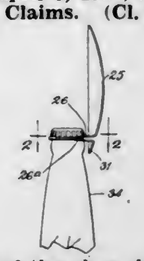
flex said back wall part, the side walls thereof, and display section, into one continuous uninterrupted curvature, and means centrally of the rear edge of the bottom wall part engaging the back wall part to retain said bottom wall part in position and to support the basket in open and display position.

2,138,361

MARKING AND DISPLAY DEVICE

Nicholas Snelling, Jackson Heights, Long Island, N. Y.

Application April 6, 1937, Serial No. 135,208
19 Claims. (Cl. 40—4)



19. A device of the class described comprising a single sheet of thin material shaped to form a display section, said sheet having two wall parts foldable with respect to the display section to extend angularly thereto, each of said wall parts having an aperture opening through one edge thereof, means for merging the apertures of the respective wall parts through said edges to form relatively movable side portions for said wall parts, the apertures of said wall parts being shaped to fit an article of merchandise upon which the device is supported, said display section being flexed by the separation of said apertured wall parts in tensionally engaging the article upon which the device is arranged, and said apertured wall parts being arranged in spaced relation to each other on said sheet and joined by a supplemental display section.

2,138,362

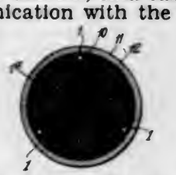
ELECTRIC CABLE AND METHOD OF MAKING SAME

Harry E. Thompson, Providence, R. I., assignor to Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware

Application October 24, 1935, Serial No. 46,519
8 Claims. (Cl. 173—266)

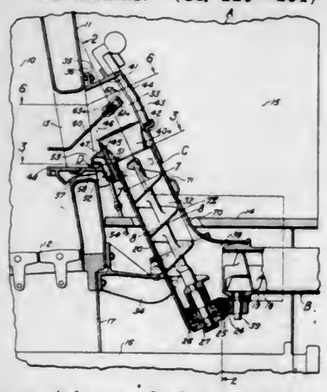
5. A cable of the character described comprising an impervious sheath, an insulated conductor therein, a liquid insulating medium contained by the sheath for impregnating said insulation, a series of liquid sealed flexible capillary tubes assembled with the conductors and having gaseous

cushions trapped therein, said tubes having portions in communication with the interior of the



sheath to permit of an exchange of pressure reactions between the gaseous cushions and the liquid insulating medium.

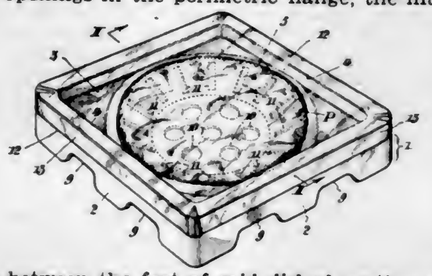
2,138,363
LOCOMOTIVE STOKER
Edwin Archer Turner, New York, N. Y., assignor, by mesne assignments, to The Standard Stoker Company, Inc. (1922), New York, N. Y., a corporation of Delaware
Application May 7, 1932, Serial No. 609,808
Renewed November 9, 1937
11 Claims. (Cl. 110—104)



10. In a stoker, a fuel conduit having a discharge mouth provided with a downwardly and forwardly inclined portion at each side thereof, means for projecting fuel forwardly from said mouth portion, a plate-like member having a surface forward of said discharge mouth extending transversely and in the direction of flow of the projected fuel stream and being so disposed as to be contacted by the projected fuel stream, a lug at each side of said plate-like member arranged to fit upon a corresponding inclined position of said discharge mouth for directing said plate-like member into its operative position, a stop element for limiting downward movement of said plate-like member with respect to said inclined portions, and means for restraining said lugs from movement normal to said inclined portions.

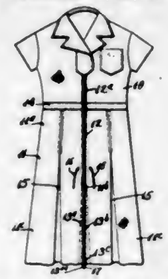
2,138,364
CARTON
William S. Wassell, Philadelphia, Pa.
Application January 28, 1937, Serial No. 122,695
3 Claims. (Cl. 206—44)

1. A carton of hollow formation with a pendant apertured flange surrounding a dished portion for reception of a bakery product or the like, and with a flush protective top covering of air-pervious sheet material spanning the dished portion, said dished portion having circumferentially spaced foot projections reaching down from its bottom to the plane of the bottom of the perimetric flange and provided with openings in its side and bottom so that when the carton is placed upon another carton, the foot projections rest upon the covering of the latter, with provision for air circulation about the packaged product via the openings in the perimetric flange, the inter-



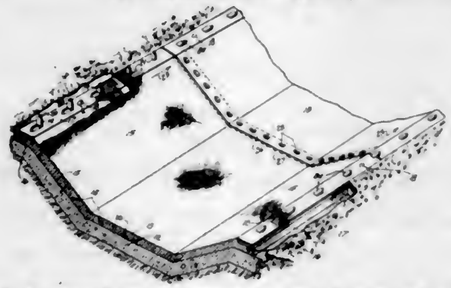
vals between the feet of said dished portion and the openings of the latter.

2,138,365
CULOTTE GARMENT
Albert A. Wilson, New York, N. Y.
Application December 23, 1937, Serial No. 181,295
2 Claims. (Cl. 2—72)



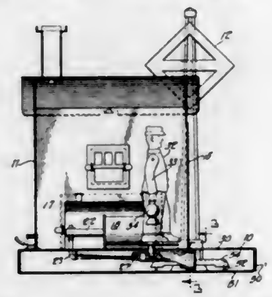
1. In a culotte garment, a tubular body having a crotch and a pair of leg portions and an opening extending from the crotch to the top thereof, cooperative slide fasteners extending along portions of said leg portions and continuing along the sides of said opening, a control slide for said slide fasteners and movable downwards to close said slide fasteners, and means at the junction of said leg portion and said crotch for limiting upward movement of said control slide for holding said opening closed with said leg portion free from each other, comprising a strap attached to each side of said opening at said junction and said straps being extendible across said slide fasteners and engageable with each other for arresting upward movement of said control slide and so prevent said opening from being accidentally opened.

2,138,366
PROTECTIVE LINING FOR CANALS
Edgar J. Baird, Soda Springs, Idaho
Application May 24, 1937, Serial No. 144,329
14 Claims. (Cl. 61—7)



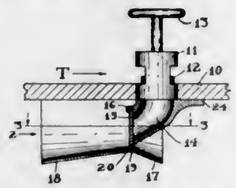
1. A canal lining, comprising a layer of earth impregnated with an oily waterproofing substance a layer of plastic resilient material substantially impervious to water on top of the first-mentioned layer, and a sheet of textile material on top of the second-mentioned layer.

2,138,367
TOY
Joseph L. Bonanno, Forest Hills, N. Y., assignor to The Lionel Corporation, New York, N. Y., a corporation of New York
Application December 10, 1936, Serial No. 115,186
8 Claims. (Cl. 46—120)



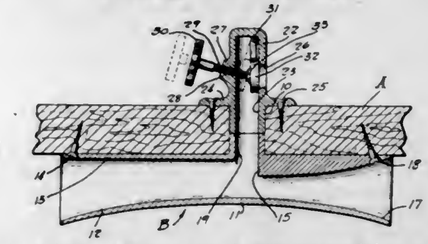
1. A toy comprising a supporting platform, a miniature building thereon, the building having a normally closed hinged door, an electromagnetically-operated door-opening device, a manikin normally within the building and connected to the door-opening device to move the manikin out through the doorway when the door is opened, the manikin having a swinging arm which supports a representation of a lantern made of colored translucent material, and a lamp bulb carried by the platform and adapted to illuminate the lantern when the manikin is in the outer position.

2,138,368
BILGE DRAINER
Charles S. Briant, Cape May, N. J.
Application May 22, 1934, Serial No. 726,919
2 Claims. (Cl. 114—185)



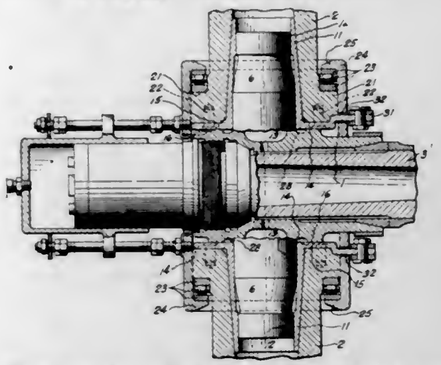
1. A bilge drainer comprising a valve housing adapted to extend through the floor of a water craft, an outflow conduit connected to the valve housing and having an outflow opening in a plane substantially parallel to the axis of the valve housing, a flap valve for said opening, a Venturi tube enclosing said outflow conduit and having a waist substantially at said outflow opening and spaced radially therefrom, the end of said tube forwardly of the outlet opening being flared outwardly and the portion of the Venturi tube rearwardly of the outlet opening being flared outwardly and having a longitudinal dimension greater than the said portion of the Venturi tube forwardly of the outlet opening, said outflow conduit constituting a restriction in the forward part of the Venturi tube whereby an attenuated space is provided about the outlet opening.

2,138,369
BILGE DRAINER
Charles S. Briant, Cape May, N. J.
Original application May 22, 1934, Serial No. 726,919. Divided and this application September 27, 1935, Serial No. 42,427
3 Claims. (Cl. 114—185)



1. A bilge drainer for boats comprising a Venturi tube, means for mounting the said Venturi tube on a boat bottom for projection into water, said Venturi tube having a waist, an outflow conduit communicating with the Venturi tube at the said waist, and a constriction in said waist formed by a wall of the outflow conduit extending thereinto.

2,138,370
METHOD OF MAKING PROPELLER BLADES
Frank W. Caldwell, Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Original application April 21, 1931, Serial No. 531,685, now Patent No. 2,032,254, dated February 25, 1936. Divided and this application February 21, 1936, Serial No. 65,144
6 Claims. (Cl. 29—156.8)

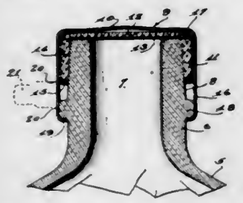


1. The method of making a blade for a controllable pitch propeller comprising the steps of forming a body portion of metal with a hollow shank, removing material from the inner surface of the shank to give it a predetermined size and shape, machining a sleeve to fit the shank opening, heating the shank, pressing the sleeve in the shank opening while the shank is heated, and after the shank has cooled lapping the interior of the sleeve to predetermined dimensions to form a bearing surface.

2,138,371
CLOSURE
Leslie R. N. Carvalho, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application June 1, 1936, Serial No. 82,812
1 Claim. (Cl. 215—95)

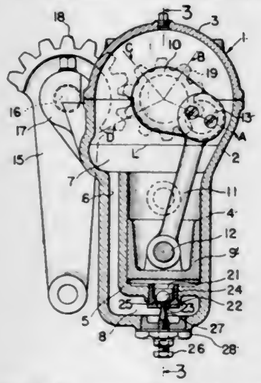
The combination with a bottle having a re-

duced neck formed with an external bead encircling the same, the outer peripheral surface of said neck above said bead being free of external indentations or projections and tapering upwardly and inwardly, of a slip-on closure telescoped over said neck above said bead and comprising a circular disk-like top, an annular flange depending from the margin of said top, a resilient sealing disk disposed within said closure, said disk engaging the top and having a diameter substantially equal to the diameter of the same, a



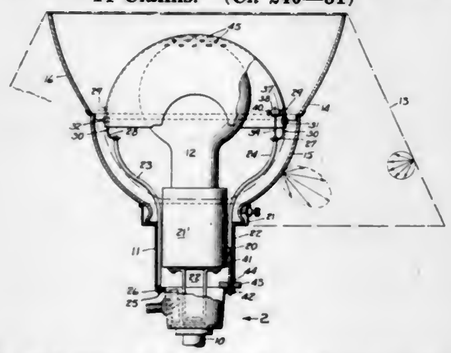
metal foil liner underlying said disk and concealing the same, a resilient sealing ring disposed within said closure in snug engagement with the inner surface of said flange and, together with the sealing disk, gripping the marginal portions of the foil liner, and a circular ring-like band having its upper edge beaded over the peripheral margin of said top and exposing the central region thereof and having its lower edge beaded underneath said annular bead to maintain said closure in telescoped position on said bottle neck.

2,138,372
CHECKING MECHANISM
Ernest Davis, Syracuse, N. Y., assignor to The Prosperity Company, Inc., Syracuse, N. Y., a corporation of New York
Application June 12, 1937, Serial No. 147,993
6 Claims. (Cl. 188—94)



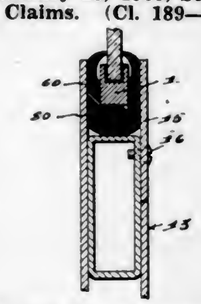
1. In a check for machines having an opening and a closing movement, a casing formed with a reservoir for a checking liquid and with a cylinder in the reservoir arranged to be immersed in the liquid, the cylinder having a port in its outer end portion opening into the lower portion of the reservoir, a piston working in the cylinder, a crank shaft journalled in the casing outside of the reservoir, a connecting rod between the piston and the crank shaft and extending out of the reservoir, an actuating member having a back and forth movement for connection to a moving part of the machine, and a reduction leverage mechanism between the actuating member and the crank shaft to cause the piston to make a complete reciprocation during the movement of the actuating member in one direction, and a complete reciprocation during the actuation of said member in the opposite direction.

2,138,373
LUMINAIR
Leroy C. Doane, Meriden, Conn., assignor to Earl L. Canfield, Hillside, N. J.
Application June 26, 1935, Serial No. 28,402
14 Claims. (Cl. 240—81)



1. In a lamp, a light source, a translucent bowl about the source, the bowl having an annular colored, diffusing zone and an annular uncolored, diffusing zone, and movable screening means between the source and bowl for intercepting substantially all the light normally passing through either of said zones, or for intercepting variable portions of said light whereby the light emitted below the shade may be colored, uncolored, or a mixture of colored and uncolored light.

2,138,374
WINDOW CONSTRUCTION
Oliver M. Edwards, Syracuse, N. Y., assignor to The O. M. Edwards Company Inc., Syracuse, N. Y., a corporation of New York
Application January 18, 1938, Serial No. 185,565
8 Claims. (Cl. 189—64)

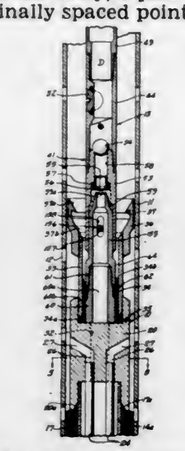


1. A window including a circumferential frame channel-shaped in cross section and including a sealing strip of a resilient compressible material, the portion thereof forming the bottom of the channel formation being of greater thickness through its central portion than at its side portions adjacent the sides of the channel-shaped formation, whereby the bottom portion tends to expand in a direction edgewise of the sash when under transverse compression.

2,138,375
WELL CLEANING SYSTEM
John Grant, Los Angeles, Calif.
Application June 17, 1935, Serial No. 26,916
6 Claims. (Cl. 166—19)

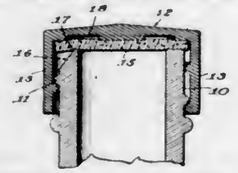
2. Well cleaning apparatus comprising a self contained abutment adapted to be lowered into

and retained in engagement with the well casing at any predetermined depth, said abutment comprising a tubular body, a pair of packers carried at longitudinally spaced points on said body,



there being fluid passing apertures in the body between said packers, and means on said abutment adapted to engage a separate and subsequently lowered cleaning device in a predetermined relation.

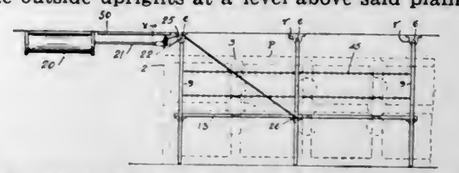
2,138,376
CLOSURE
Hugh T. Griswold, San Francisco, Calif., assignor to Owens-Illinois Pacific Coast Company, a corporation of Delaware
Application September 2, 1937, Serial No. 162,179
5 Claims. (Cl. 215—56)



1. In combination, a container including a circular wall defining a filling opening, the latter being formed with a continuous sealing surface at its outer end, said surface being reduced in width in a restricted zone to provide a venting lip, a closure, means for securing the closure in position to seal the opening, and a resilient liner in the closure in sealing contact with said surface and venting lip, said closure having a recess in its inner side directly over the venting lip.

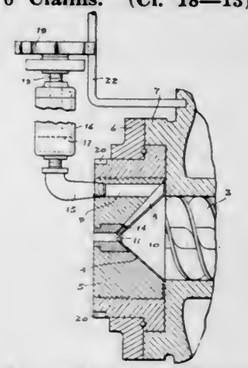
2,138,377
ELEVATING PLATFORM
Walter E. Hamlin, Cleveland, Ohio, assignor to The Cleveland Shopping News Company, Cleveland, Ohio, a corporation of Ohio
Application October 6, 1936, Serial No. 104,236
10 Claims. (Cl. 304—29)

1. In mechanism for providing access to machinery such as printing cylinders and inking rollers, framing comprising a plurality of upper horizontal shafts mounted in bearings at a higher level than said cylinders, tubular uprights depending from said shafts in pairs, one at least of each pair extending to the floor and containing at its floor end a telescopic foot piece with pin and slot connection limiting its range of movement with relation to the tubular upright, a spring setting against the upper end of said telescoping foot piece, and a roller ball bearing on the lower end of said foot piece, lower shafts between pairs of said uprights at an intermediate point in their height, bearings mounted on said shafts, angle and T irons and planks therebetween fastened to said bearings, side-guards extending between the outside uprights at a level above said planks,



and means for raising the uprights, including a fluid-pressure cylinder with a plunger and a sheave carried by the free end of the plunger and a cable anchored to one of the upper shafts and extending about said sheave and thence over another sheave on the end upper shaft to a point of attachment on an intermediate lower shaft.

2,138,378
METHOD AND MEANS OF MAKING STRIPED RUBBER PRODUCTS
John Herbert Johnson, Toronto, Ontario, Canada
Application February 13, 1935, Serial No. 6,401
In Great Britain February 21, 1934
6 Claims. (Cl. 18—13)



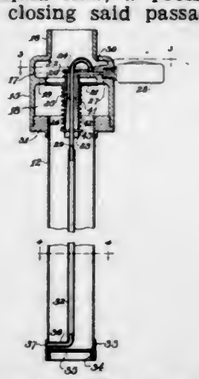
1. Means for making striped rubber products by the extrusion process in which a main body core has a strip or strips applied to the surface thereof during extrusion, comprising in combination, means forming a body-extruding throat, a rotating die head having a cavity or cavities leading to the body extruding throat, and means for feeding body-forming material through said throat, means for feeding contrastingly-coloured material through said cavities to be carried in a spiral path about the axis of the cavity during rotation of the die head to deposit the said secondary material in a spiral path or paths on the surface of the main extruded body.

2. A method of making striped rubber products consisting in forcing rubber material through a die, and concurrently feeding a strip or strips of rubber material of a contrasting colour to said rubber strip in the forming die, and effecting a one-way rotation of the forming die at a rate proportional to the rate of feed of said strip or strips to produce a uniform spirally striped product.

2,138,379
NOZZLE
Robert T. Killman, Nashville, Tenn.
Application August 10, 1936, Serial No. 95,131
17 Claims. (Cl. 226—66)

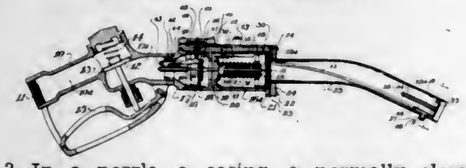
1. In a tank filling nozzle, a liquid flow operated vacuum pump, means providing a bypass

passage around said pump for accommodating variations in liquid flow, a pressure operated valve normally closing said passage, a tubular



member extending from the pump to the level to which it is desired to fill the tank, and a pressure indicating device communicating with said duct.

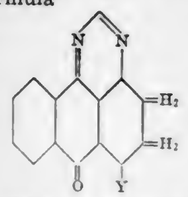
2,138,380
AUTOMATIC NOZZLE
Robert T. Killman and Thomas A. Killman, Nashville, Tenn.
Application April 14, 1937, Serial No. 136,784
11 Claims. (Cl. 226—127)



3. In a nozzle, a casing, a normally closed manually operable valve in said casing, a normally open valve in said casing, pressure operated means urging said normally open valve to a closed position, resilient means urging said normally open valve to an open position, latching means for latching said normally open valve in an open position, and means controlled by the level of liquid in a receptacle being filled for unlatching said normally open valve.

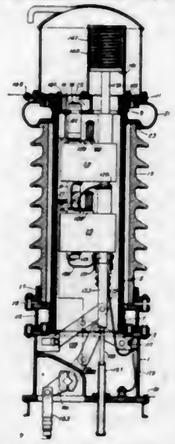
2,138,381
COMPOUNDS OF THE ANTHRAPYRIDINE AND ANTHRAPYRIMIDINE SERIES
Karl Koeberle and Christian Steigerwald, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application September 23, 1936, Serial No. 102,174. In Germany October 12, 1935
5 Claims. (Cl. 260—261)

1. A heterocyclic compound corresponding to the general formula



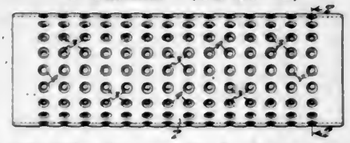
in which Y stands for a substituent selected from the class consisting of the hydroxyl, amino, alkylamino, aralkylamino, cycloalkylamino, and arylamino groups.

2,138,382
CIRCUIT BREAKER
Winthrop M. Leeds, Wilkinsburg, Pa., and Ennio Ortensi, Bergamo, Italy, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 28, 1937, Serial No. 145,273
23 Claims. (Cl. 200—150)



1. The method of extinguishing an arc which has been established within an arc extinguishing liquid comprising, positively moving a quantity of liquid into engagement with the arc for displacing the products of decomposition of the arc from the region thereof without substantially disturbing the continuity of the arc stream, moving the arc laterally through the liquid upon the occurrence of predetermined conditions, and finally subjecting the arc to intense blasts of liquid and the products of decomposition of the arc to break up the continuity of the arc stream.

2,138,383
COP TUBE AND METHOD OF MANUFACTURING THE SAME
Royal Little, Providence, and Freeman W. Fraim, Cranston, R. I., assignors to Franklin Rayon Corporation, Providence, R. I., a corporation of Rhode Island
Application April 1, 1936, Serial No. 72,138
4 Claims. (Cl. 93—1)

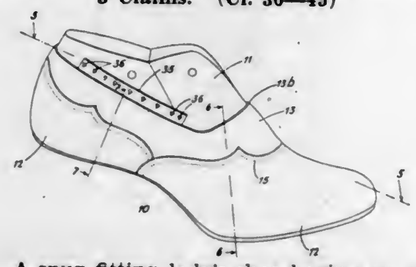


1. A cop-tube for use in dyeing and otherwise treating textile materials comprising a tubular body composed of overlying layers of fibrous material, the tubular body having perforations and the material surrounding the perforations being compressed and forced down into the holes to bevel the rims thereof and seal the raw edges of the material against penetration by fluids.

2,138,384
TITANIUM PIGMENTS
Georg Meder, Leverkusen-I. G. Werk, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application April 15, 1937, Serial No. 137,044. In Germany April 17, 1936
5 Claims. (Cl. 134—58)

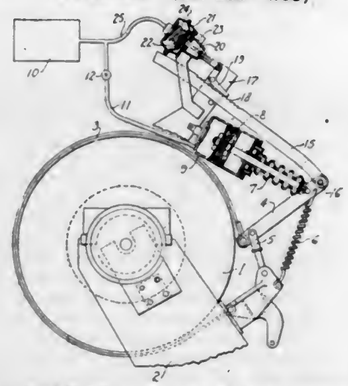
3. Process of preparing mixed crystals of titanium dioxide, crystallizing tetragonally, and titanium sesquioxide, crystallizing rhombohedrally and having the crystalline structure of corundum, which comprises heating titanium dioxide with a reducing agent of the group consisting of a titanous compound, Al, Cr, Fe, V and Rh to a temperature of about 800 to about 1100° C., while excluding oxidizing influences.

2,138,385
ELASTIC TOP SHOE
Charles Miller, Long Island City, N. Y.; Ida Gordon Miller, executrix of said Charles Miller, deceased, assignor to I. Miller & Sons, Inc., Long Island City, N. Y., a corporation of New York
Application March 5, 1935, Serial No. 9,371
3 Claims. (Cl. 36—45)



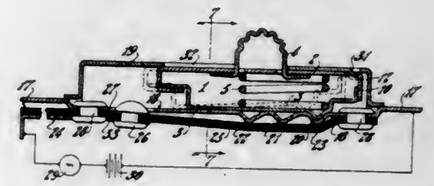
1. A snug fitting lady's shoe having an upper defining an opening through which the wearer's foot is introduced into the shoe, a portion at least of the upper adjacent to said opening being made of an elastic material, said material having a relatively elastic weft, said portion being shaped and positioned at the throat and sides adjacent the throat so that the part of said portion at the throat has its edge lying at an angle to both the warp and weft while the sides of said portion adjacent to said throat part run parallel to the warp, whereby substantially greater elasticity is realized at said throat than at the sides thereof, a relatively inelastic body of material joined to said first mentioned material and forming therewith the complete shoe upper, and a lining joined to said upper substantially completely around said opening.

2,138,386
SAFETY LOAD HOLDING MEANS
George E. Miller, Findlay, Ohio, assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio, a corporation of Ohio
Application August 7, 1937, Serial No. 157,941
2 Claims. (Cl. 188—265)



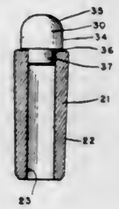
1. In combination, a movable element, a normally released brake therefor, a lever connected to said brake, a vacuum source, a cylinder in controlled communication at one end with said source, a piston operating in said cylinder and connected to the said lever whereby it is vacuum actuated to apply the brake, a sliding catch bar pivotally connected to said lever, a dog for engagement with the catch bar to retain the brake in engaged position, and means connected to the dog and normally operable to retain the dog in catch engagement with said bar and being constantly vacuum actuated from said source to retain the dog in released position except when the vacuum action has been reduced a predetermined extent.

2,138,387
FLASHLIGHT SWITCH
Wesley J. Officer, Hampden, and Orville T. Wood, Clinton, Mass., assignors to Blake Manufacturing Corporation, Clinton, Mass., a corporation of Massachusetts
Application January 29, 1935, Serial No. 3,934
14 Claims. (Cl. 200—60)



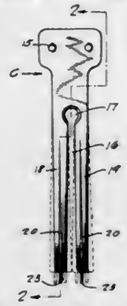
1. In a circuit closing device for flashlights, a movable contact structure comprising a pair of spaced members one confined within the other, a coiled spring for normally spacing the same, an operating part for moving the members as a unit, the axis of said operating part being spaced from and parallel to the axis of the coiled spring thereby providing, when said operating part is depressed, a tilting movement of the members relative to each other.

2,138,388
WELDING ELECTRODE
Henry T. Platz, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application December 6, 1937, Serial No. 178,370
2 Claims. (Cl. 219—4)



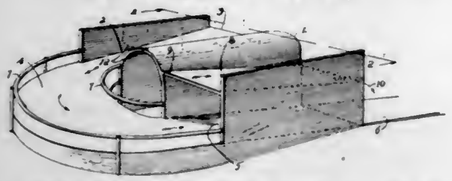
1. The method of renewing welding electrode tips which comprises providing an electrode having a cylindrical bore, and an integral tip having an expendable portion of less outside diameter than said electrode, expending said tip in service, removing the remaining portion of said tip by parting said electrode transversely through said bore, providing a renewal tip having a cylindrical projection of a size to be snugly received in said bore, and securing said projection in said bore.

2,138,389
CARRIER FOR FULL-FASHIONED KNITTING MACHINES
Frederick A. Redcay, Philadelphia, Pa., assignor to Fred C. Good & Sons, Philadelphia, Pa., a partnership consisting of Fred C. Good, Fred G. Good, and Raymond J. Good, all of Philadelphia, Pa., and Curtis Sooy, Willow Grove, Pa.
Application October 26, 1936, Serial No. 107,504
2 Claims. (Cl. 66—126)



1. In a full-fashioned knitting machine, a thread carrier comprising a main body portion formed from a metal having the ability to retain any formation in which it may be bent, said body portion having a bifurcated construction defining a pair of legs which are integral with the body portion, each of said legs being grooved, and a pair of tubular elements carried by said legs in spaced relation to each other, each of said tubular elements being in communication with the groove in the respective leg.

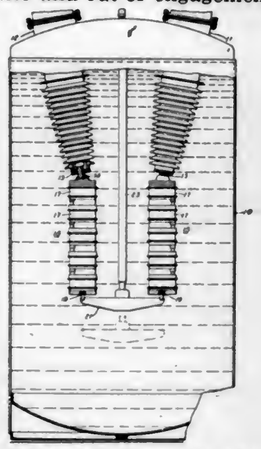
2,138,390
CAN ALIGNER
Pilade L. Vannucci, San Jose, Calif.
Application May 17, 1938, Serial No. 208,406
4 Claims. (Cl. 193—43)



1. Means for repositioning grouped cylindrical objects, such as cans, and the like, to form a single row comprising, a horizontally disposed oblong member having a top surface that diverges downwardly from its median line, a chute disposed on each side of the member to receive objects deposited thereon from the said top surface, one of said chutes leading to, and having a discharge end overlying, the other chute whereby objects rolling down the first chute will discharge therefrom into the line of objects rolling down the second chute.

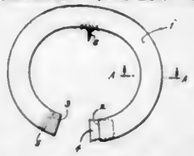
2,138,391
CIRCUIT BREAKER
Roswell C. Van Sickle, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 5, 1936, Serial No. 83,600
20 Claims. (Cl. 200—150)

1. In a circuit breaker, an arc extinguishing device comprising means for defining an arc passage, an arc extinguishing liquid within said passage, a pair of contacts having engageable contact surfaces within said passage, at least one of said contacts having a portion projecting exteriorly of said passage, means associated with said exteriorly projecting portion and moving the said one contact into and out of engagement with the



other contact, a movable member having a portion within and a portion without said passage, and a linkage connecting said movable member with said movable contact arranged to operate the member in a direction opposite to the movement of said movable contact to compensate for the displacement of liquid within said passage caused by the movement of said movable contact.

2,138,392
ARTICLE OF MANUFACTURE
Richard Weingand, Bomlitz, near Walsrode, Germany
Application March 27, 1936, Serial No. 71,079
In Germany April 4, 1935
10 Claims. (Cl. 152—165)

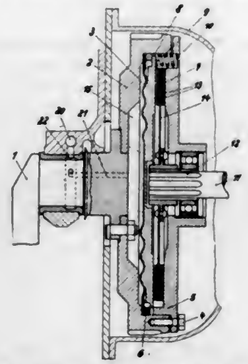


1. As an article of manufacture a flexible and resilient pneumatic tire having an inflated element formed of a composition comprising nonfibrous cellulosic material.

2,138,393
FRICTION CLUTCH
Rudolf Wichtendahl, Hanover, Germany
Application October 28, 1935, Serial No. 47,167
In Germany December 31, 1934
4 Claims. (Cl. 192—88)

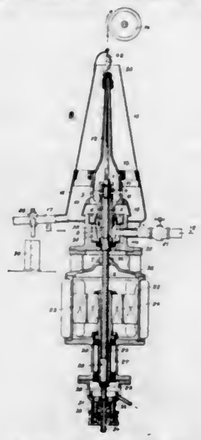
3. In a fluid operated clutch for vehicles having drive and driven shafts, a flywheel secured to the drive shaft and provided with a recess communicating with a source of fluid under pressure, a flexible member carried by the flywheel and cooperating with the recess to form a closed chamber, a cover plate spaced axially outwardly from the flexible member and secured to the flywheel, a pressure plate positioned between the flexible member and cover plate for axial movement relative to the flywheel, a ring positioned between the flexible member and pressure plate

at the peripheries of the latter, yieldable means located between the pressure plate and cover plate for resisting axial movement of the pressure plate in a direction away from the flywheel, and a coupling disc non-rotatably and slidably mounted on the driven shaft between the pres-



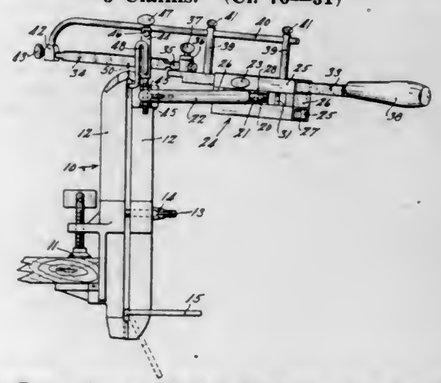
sure plate and the cover plate for engagement with both of said plates upon movement of the pressure plate against the action of the yieldable means in a direction away from the flywheel by the flexible member in response to fluid pressure in said chamber.

2,138,394
APPARATUS FOR MANUFACTURING RAYON
Wilhelm Wuppermann, Berlin-Zehlendorf, Germany
Application November 3, 1936, Serial No. 108,952
In Germany November 9, 1935
10 Claims. (Cl. 18—8)



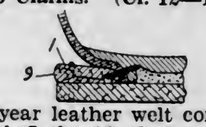
1. An apparatus for spinning rayon, comprising a rotatably mounted nozzle, means for supplying to said nozzle viscose or other spinning liquid under pressure, a rotatably mounted tubular container in which said nozzle is located at one end, said tubular container having its end remote from said nozzle contracted, means for supplying a coagulating liquid to said container at the end thereof near the nozzle and for maintaining said container filled with such liquid under pressure, means for imparting rotary movement to said nozzle and to said container, and a thread guide borne by said container beyond the delivery end of said container, the contracted portion of said container and the means for supplying the coagulating bath being such that the resistance opposed by said contracted portion to the flow of the coagulating bath and the pressure imparted to the coagulating bath are sufficient substantially to prevent the formation by centrifugal action of a parabolic surface of the coagulating bath within said container, and the length of said rotary container being sufficient to cause coagulation of the filaments so far that sticking together of the said filaments being collected is prevented.

2,138,395
FILE REST
Carl Anderson, Westfield, Mass.
Application July 1, 1937, Serial No. 151,482
3 Claims. (Cl. 76—31)



1. In a device of the character described, a clamp for holding a saw blade in fixed position, a generally rectangular frame having telescoping end members whereby the spacing of the side members can be adjusted, one side member of the frame being pivotally connected, for adjustment, to said clamp, a block slidably and pivotally mounted on the opposite side member of the frame for bodily movement longitudinally of and pivotal movement about said last mentioned frame member, a guide member pivoted, for angular adjustment, to said block for movement therewith, a carriage slidably mounted in said guide way for movement toward and from the saw, spaced clamps on said carriage for securing the ends of a file to said carriage substantially in parallel relation to the path of movement of the carriage in the guide member and means to adjust the spacing of said clamps.

2,138,396
GOODYEAR WELTING AND METHOD OF MAKING SAME
William Brown, Quakertown, Pa., assignor to McAdoo & Allen Welting Company, Quakertown, Pa., a partnership consisting of Henry M. McAdoo, William McAdoo, Jr., and George H. Allen
Application May 10, 1938, Serial No. 207,048
3 Claims. (Cl. 12—146)



1. A Goodyear leather welt comprising a strip of grain and flesh side leather and having a stitch groove and turned over on itself with the flesh side in providing a grain edge and a lap, the flesh side of said lap being grooved and marginally chamfered beyond the groove and terminating short of the stitch groove, the groove

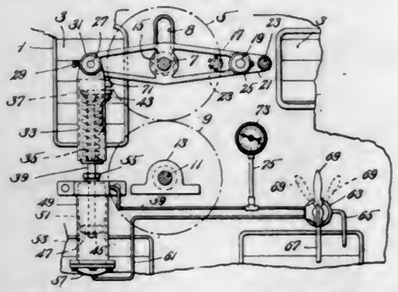
in the lap defining the fold, and the chamfered marginal portion of the flap being adhesively secured to the flesh side of the body of the welt.

2,138,397

COMPRESSION ROLL

Ernest Cannity, North Adams, Mass., assignor to The James Hunter Machine Company, North Adams, Mass., a corporation of Massachusetts

Application October 18, 1935, Serial No. 45,623
4 Claims. (Cl. 68—256)



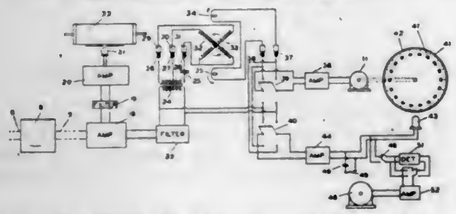
1. In a fulling mill, in combination, a roll mounted in fixed position, spaced levers, a second roll vertically above the first roll, journalled at each end in such levers for bodily movement toward and from the first roll and gravitating downward toward such first roll, spring means connected to each lever, cylinders, fluid-operated pistons working in each cylinder, and connecting rods respectively attached at one end to each piston and at the other end acting wholly through the spring to apply yielding pressure to each lever forcing the second roll downwardly toward the first roll when the piston and rod move in one direction, and acting directly on the lever in positive manner to lift the second roll against the force of gravity away from the first when the piston and rod move in the opposite direction.

2,138,398

ELECTRO-OPTICAL TRANSMISSION METHOD AND APPARATUS

Austin G. Cooley, Rutherford, N. J., assignor to Wide World Photos, Inc., New York, N. Y., a corporation of New York

Application October 26, 1936, Serial No. 107,545
18 Claims. (Cl. 178—69.5)



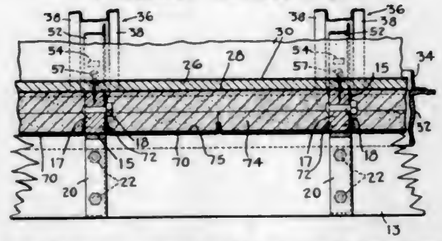
1. In a system for transmitting a visual representation between two points employing an oscillator-modulator at the transmitting point and an oscillator-demodulator at the receiving point, the combination of a picture reproducing means at the receiving point, a synchronous motor driving said reproducing means, means to receive synchronizing signals over the carrier channel, means to indicate frequency drift in said synchronizing signals after demodulation at the receiving terminal of the carrier channel, frequency changing means to act on the received synchronizing signals to compensate for any frequency drift between the oscillators at the terminals of the carrier channel to produce a current of constant frequency for operating said synchronous motor.

2,138,399

VEHICLE BODY

Augustine Davis, Jr., Cincinnati, Ohio

Application November 15, 1932, Serial No. 642,701
3 Claims. (Cl. 296—38)



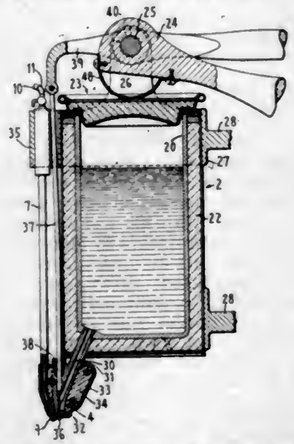
1. A floor construction for a vehicle refrigerator body comprising a plurality of spaced bolsters extending transversely of the body, a pair of longitudinal sills extending longitudinally of the body and supporting thereon each of the bolsters, a stiff pan disposed in the space between each pair of successive bolsters, said pans each having a bottom disposed in the plane of the lower end of the bolsters and resting on the longitudinal sills and each pan having an upstanding flange along the sides thereof to engage the adjacent faces of the bolsters, means for securing the pan flanges to the bolsters, blocks of heat-insulating material disposed in each pan and having their upper surfaces substantially flush with the upper surface of the bolsters, and flooring above the insulating material secured to the said bolsters whereby the weight is disposed on the bolsters and not on the pans.

2,138,400

APPARATUS FOR CUTTING METALS WITH LIQUID OXYGEN

George M. Deming, East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Original application June 5, 1935, Serial No. 25,009. Divided and this application October 16, 1936, Serial No. 105,873
8 Claims. (Cl. 266—23)



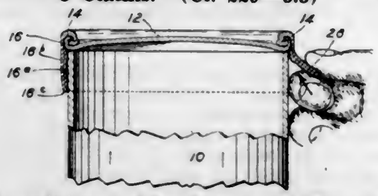
3. In apparatus for cutting metal with liquid oxygen, a portion having an orifice for delivering the liquid cutting jet, and a shut-off valve movable into said orifice at a location where said orifice is chilled and the valve is sealed by accumulation of rime.

2,138,401

CONTAINER MADE OF PAPER

Marshall E. Gazette, Boston, Mass., assignor to Boothby Fibre Can Company, Boston, Mass., a corporation of Massachusetts

Application April 8, 1937, Serial No. 135,624
5 Claims. (Cl. 229—5.5)



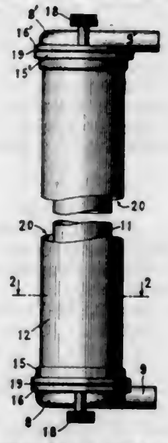
1. A container made of paper, including a container body and a flanged cover therefor; said body having a cylindrical lip portion, and the flange of said cover having its stock at the marginal portion of the flange in a state of condensation to less than the thinness of its stock nearer the disk part of the cover, and having an annular region thereof near the disk not so condensed, thereby providing an annular bead spaced from the edge of the flange and adapted to engage the lip of said body with sealing tightness when the cover is fully seated on the body; the portion of the extent of said flange which is at the flange edge having diameter for fitting the body walls loosely as the cover is being applied to said body.

2,138,402

HOLDING CHAMBER FOR PASTEURIZING SYSTEM

Benjamin E. Getchell, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut

Application December 5, 1936, Serial No. 114,315
5 Claims. (Cl. 137—21)



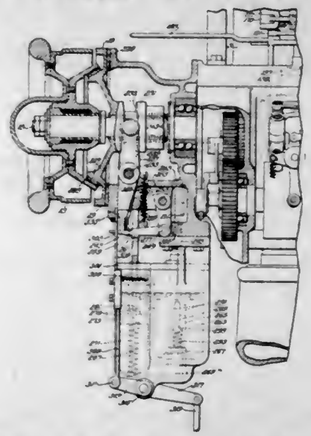
1. A holding device for a pasteurizing system in which the heated liquid flows from a heating chamber to a cooling coil including, two concentric tubes with an unobstructed annular space between them and end plates for said tubes having inlet and outlet passages arranged tangentially so that liquid admitted at one end flows helically around the inner tube inside of the outer tube and out at the other end in a helical stream, said end plates sealing the ends of the tubes and detachably holding them in place, the diameter of the inlet and outlet passages with respect to the cross section of the space between the inner and outer tubes being such as to permit a predetermined volume of liquid to flow through the inlet and throughout the entire length of the space between the tubes and out of the outlet at a substantially continuous and unaltered rate of flow.

2,138,403

DRIVING AND STOPPING MECHANISM

Joseph Gouldbourn and Thomas Aubrey Kestell, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application October 23, 1934, Serial No. 749,594
In Great Britain November 28, 1933
26 Claims. (Cl. 192—148)



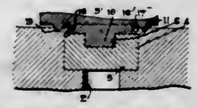
1. A driving and stopping mechanism having, in combination, a driven shaft, a main driving pulley for causing the driven shaft to be rotated, a brake for bringing the driven shaft to rest, and mechanism actuated by the driven shaft when set into operation to apply the brake with a progressively decreasing effort.

2,138,404

METHOD FOR INSERTING AND HOLDING CLOSURE PLUGS

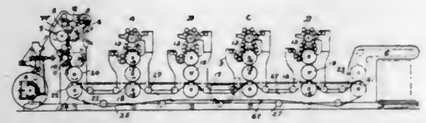
Walter D. Haas, Philadelphia, Pa., assignor to Baldwin-Southwark Corporation, a corporation of Delaware

Application October 12, 1934, Serial No. 748,150
3 Claims. (Cl. 29—148)



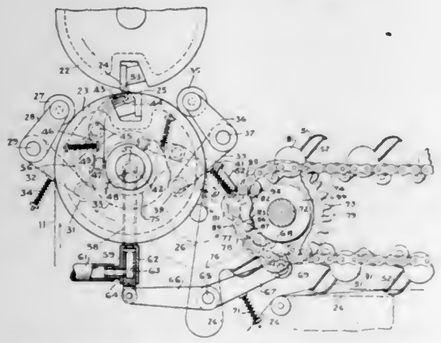
1. The method of seating and holding a closure plug in a recess formed in a member, consisting in driving a plug into the recess and simultaneously engaging the external surface of the member immediately surrounding the recess and causing said engaged portion to be upset and turned over the marginal edge of the plug during progressive and complete bodily axial movement thereof.

2,138,405
MULTICOLOR SHEET FED ROTARY PRINTING MACHINE
William F. Huck, Richmond Hill, N. Y., assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application June 8, 1935, Serial No. 25,589
Renewed March 28, 1938
23 Claims. (Cl. 101—183)



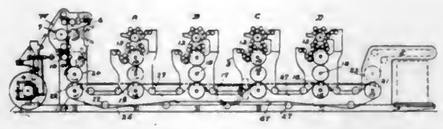
1. In combination with a sheet fed printing machine having an impression cylinder, a sheet feeder, and a delivery mechanism; a conveyor including a flexible carrying member and adapted to receive sheets from the feeder and convey them through the printing machine to the delivery mechanism, a plurality of gripper supports attached to the carrying member, and locking means for holding the gripper supports in position with reference to the impression cylinder to accurately register a sheet.

2,138,406
MECHANISM FOR CUTTING AND DELIVERING SHEETS FROM A WEB
William F. Huck, Richmond Hill, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application December 23, 1936, Serial No. 117,250
24 Claims. (Cl. 164—68)



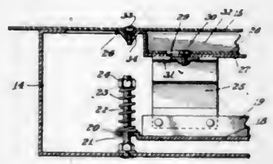
9. In a mechanism for cutting and delivering sheets from a web of flexible material, a rotating cylinder having means thereon cooperating with means on another cylinder to cut a running web of material into sheets, a member carried by said rotating cylinder connected to an exhausting device and adapted to hold the leading end of the material to the surface of the cylinder by atmospheric pressure, said member being mounted for movement to raise the leading end from the surface of the cylinder, means to actuate said member in timed relation with the rotation of said cylinder, means to engage the leading end of the material as it is raised from the cylinder and strip it from said member, rotating means to move said end-engaging means past the point at which said holding means raises the said end, and means rotating with said rotating means to control the degree of pressure applied to the end by said end engaging member.

2,138,407
MULTICOLOR SHEET FED ROTARY PRINTING MACHINE
William F. Huck, Richmond Hill, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application October 12, 1937, Serial No. 168,583
12 Claims. (Cl. 101—136)



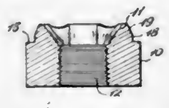
6. In a printing machine of the character described, a plurality of printing units, flexible sheet-conveying means, a plurality of members mounted on and movable relatively to said conveying means, and a sheet gripper mechanism connected to each of said members, movement of said members relatively to the sheet conveying means serving to appreciably relieve tension on the sheet during a printing operation.

2,138,408
FLUSH PANEL MOUNTING FOR ELECTRICAL DEVICES
Raymond N. Rowe, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application May 15, 1937, Serial No. 142,723
11 Claims. (Cl. 247—10)



1. A flush panel mounting including a box having guide posts in the bottom thereof, a mounting pan for the units guided on said posts, springs pressing said pan toward the bottom of the box, a barrier frame detachably secured to said pan, a face plate for the box and screws passing through the face plate and engaging in the barrier frame for drawing the panel mounting pan and attached units toward the face plate and drawing the face plate toward the box.

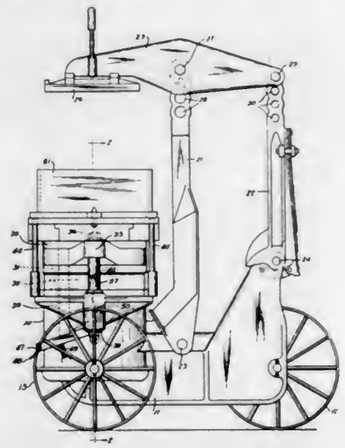
2,138,409
CLINCH NUT
John W. Salter, Kent, Ohio, assignor to The Lamson & Sessions Company, Cleveland, Ohio, a corporation of Ohio
Application July 2, 1937, Serial No. 151,691
2 Claims. (Cl. 85—32)



1. A nut of the character described comprising a polygonal-shaped metal body having a tapped opening therein and a polygonal-shaped

integral shank projecting from one end thereof with an external perimetrical shoulder adjacent the junction of the shank and body, the corner portions of said shank being longer than the portions intermediate the corners.

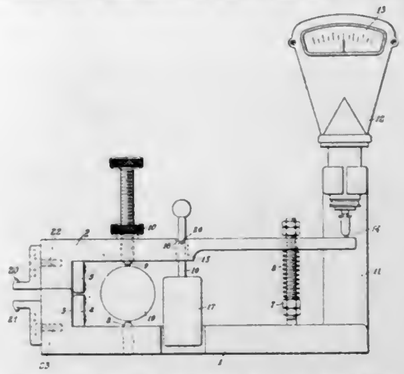
2,138,410
MOLDING MACHINE
Frank T. Spikerman, Clinton, and Earl F. Oyster, Shaker Heights, Ohio, assignors to S. P. O. Incorporated, Cleveland, Ohio, a corporation of Ohio
Application July 6, 1935, Serial No. 30,102
4 Claims. (Cl. 22—26)



1. In a molding machine, a frame provided with a cylinder, a squeeze piston in said cylinder and carrying a pattern plate, guides carried by said piston on opposite sides thereof and externally of said cylinder, yokes slidable on said guides parallel with the axis of said piston, stripping pins on said yokes, each of said yokes being provided with a surface which is upwardly and inwardly inclined with respect to the axis of said piston and said surfaces being in symmetrical relation on opposite sides of said axis, movable means so arranged as to be engaged substantially simultaneously by said surfaces on the return stroke of said piston to positively stop said yokes and thereby effect the stripping movement of said pins relative to said plate, and means for simultaneously actuating said movable means to release said yokes therefrom.

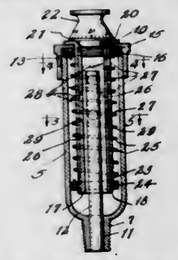
2,138,411
METHOD OF DETERMINING THE SURFACE CHARACTERISTICS OF WORKPIECES
Hilding Valdemar Törnebohm, Goteborg, Sweden, assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden, a corporation of Sweden
Application March 4, 1936, Serial No. 67,033
In Sweden March 6, 1935
8 Claims. (Cl. 265—12)

1. The method of determining the surface characteristics of work pieces of metal or the like with respect to unevenness of the surface, wherein a contact point of known form and material quality is applied to the work piece, and the relationship between the penetration of the contact point into the work piece and the load on the contact point is determined for at least two different loads on the contact point of such magnitude that the permanent deformation caused by



the contact point is limited to the surface layer of the work piece.

2,138,412
PRESSURE CONTROL DEVICE
Julius J. Trefz, Evanston, and Otto Kaspar, Chicago, Ill.
Application April 14, 1937, Serial No. 136,782
4 Claims. (Cl. 137—53)



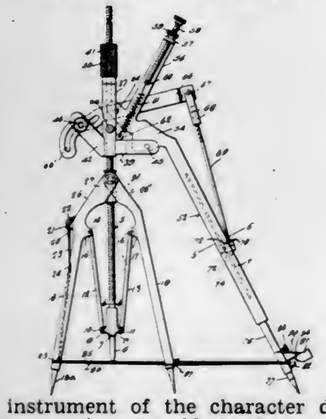
3. A device of the kind described embodying a hollow body having an opening; a reciprocable member movable in said opening and comprising telescoped tubes; one of said tubes provided with a plurality of ports certain of said ports disposed helically and certain other of said ports disposed circumferentially in a common plane; the other tube provided with a plurality of ports disposed longitudinally thereof; one of said tubes adapted for rotative movement relative to the other tube whereby a selected helically disposed port is registered with a port in the other tube and also a circumferentially disposed port is registered with another port in said other tube; an end member secured to one of said tubes and closing the outer end of said reciprocable member; and means establishing communication between the interior of said body and source of pressure.

2,138,413
PROCESS OF PREPARING PHTHALOCYANINE PIGMENTS
Frank S. Turek, Yonkers, N. Y., assignor to Interchemical Corporation, a corporation of Ohio
No Drawing. Application January 21, 1937, Serial No. 121,568
8 Claims. (Cl. 260—314)

1. The process of making pigments which comprises reacting an aromatic ortho-dinitrile with a metalliferous reactant in the presence of liquid selected from the group which consists of alipathic di- and tri-hydric alcohols and alcohol-

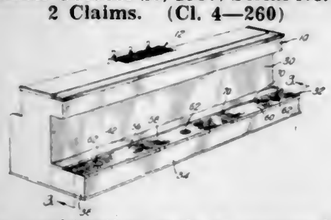
poly-ethers at a reaction temperature as low as the boiling point of the liquid, the metalliferous reactant being inert to the selected liquid.

2,138,414
ELLIPSE OR CIRCLE COMPASS
Joseph Weckert, Cloquet, Minn.
Application March 4, 1936, Serial No. 67,122
12 Claims. (Cl. 33—30)



1. An instrument of the character described comprising a main swingable leg having a scribing point, and a relatively stationary support on which said main leg is swingably mounted, said support comprising a central rod designed to assume a perpendicular position relative to the work, a pair of relatively stationary legs each having a point equipped lower end, first means pivotally connecting the upper ends of the stationary legs together and to said central rod, a vertically adjustable member on said central rod above said first means, and second means rotatably mounting said main leg on said vertically adjustable member for rotation on the axis of said central rod.

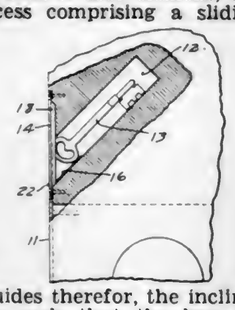
2,138,415
COMBINATION FOOTREST AND CUSPIDOR
George M. Barber, Chicago, Ill.
Application October 20, 1937, Serial No. 170,112
2 Claims. (Cl. 4—260)



1. The combination with a counter having a sink associated therewith, of a foot rest, a cuspidor incorporated in the foot rest, a drainage connection between the sink and the cuspidor, an overflow for the cuspidor, valve controlled drainage means for the cuspidor, and a perforated partition between one end of the cuspidor and said overflow and the valve controlled drainage means.

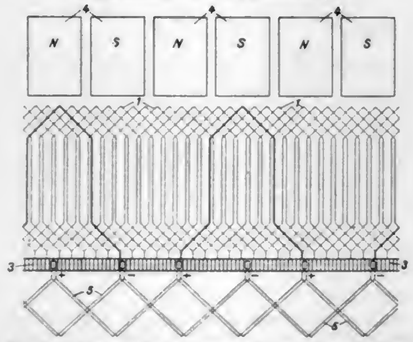
2,138,416
CONCEALED KEY RECEPTACLE FOR DOORS
Thomas E. Cox, Birmingham, Ala.
Application September 13, 1937, Serial No. 163,644
6 Claims. (Cl. 70—447)

2. A receptacle for door keys comprising a means defining an upwardly inclined key-receiving recess in a door element, and a closure for said recess comprising a sliding door and



concealed guides therefor, the inclination of said recess being such that the key slides out by gravity.

2,138,417
ARRANGEMENT FOR AVOIDING THE DISTURBANCES ATTENDANT ON THE TRANSFORMER POTENTIAL IN ALTERNATING CURRENT COLLECTOR MOTORS
Walter Dällenbach, Berlin-Charlottenburg, and Georg Leischner, Berlin-Schmochwitz, Germany, assignors to N. V. Machinerieen en Apparaten Fabrieken "Meaf." Utrecht, Netherlands
Application August 28, 1935, Serial No. 38,290
In Germany September 1, 1934
9 Claims. (Cl. 171—228)

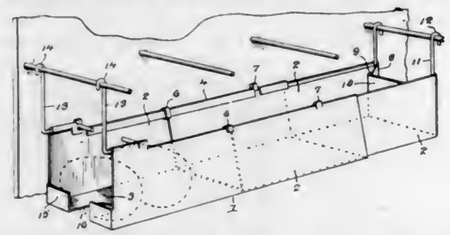


1. In an alternating current commutator machine, a stator having windings producing magnetic flux paths, a rotor having a plurality of conductors, first means for electrically interconnecting said conductors providing first current paths, second means electrically interconnected with said first current paths providing current commutating paths, the flux produced by said flux paths normally interlinking all of said current paths, and third means simultaneously conducting current to said first current paths and short circuiting said commutating paths at the instant of current reversal in conductors undergoing commutation, said short circuited commutating paths interlinking a portion only of the total amount of the said flux produced by said flux paths interlinked with the current paths, said flux normally interlinking said commutating paths being displaced at that instant upon the flux interlinked only with non-short circuited paths.

2,138,418
EGG CONTAINER
Peter John Fahrne, Rochester, N. Y.
Application January 28, 1936, Serial No. 61,228
2 Claims. (Cl. 211—114)

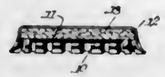
1. An egg container comprising a trough-like

rack having side walls, supporting means at one end of the rack, a pair of supoprting members slidably and pivotally mounted on the rack at its opposite end, and a stop carried by each side wall, each supporting member having a portion



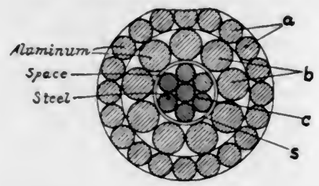
disposed at substantially right angles to the side walls of the rack and engaged by said stops when the members are in supporting position and adapted to be slid clear of said stops to permit folding of the members to inoperative position.

2,138,419
CONTAINER CLOSURE AND FACING MATERIAL THEREFOR
Frank Joseph Gavin, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application July 12, 1935, Serial No. 31,113
1 Claim. (Cl. 215—39)



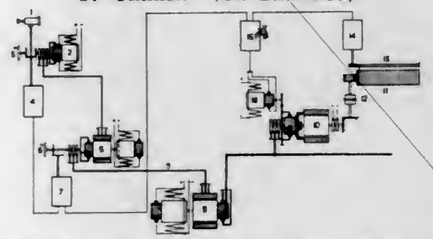
A container closure having an adherent inner facing of aluminum foil treated to form on its exposed surface an overall artificial film of its own oxide, said film being substantially heavier than a naturally formed film and of uniform thickness and being acid and alkali resistant.

2,138,420
ELECTRICAL OVERHEAD CABLE
Heinrich Glasser, Munich, and Josef Gröbl, Solln, near Munich, Germany, assignors to Bayernwerk A.-G., Munich, Germany
Application October 18, 1934, Serial No. 748,932
In Germany October 24, 1933
3 Claims. (Cl. 173—13)



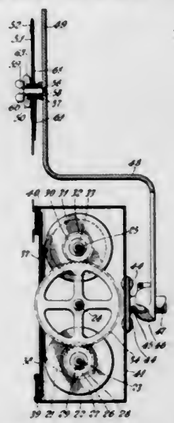
1. An overhead cable comprising, a core cable and a covering cable, the covering cable being self-supporting and surrounding the core cable substantially concentrically leaving a space interval between the covering cable and the core cable which is small as compared with the diameter of the core cable, said space interval being so dimensioned as to allow the mechanical oscillations of the core cable and the covering cable mutually to damp one another by impact losses along the whole cable when the cable is in an installed and tensioned position.

2,138,421
DISTANT ELECTRIC CONTROL SYSTEM
Elie Granat, Paris, France, assignor of one-half to Compagnie des Forges et Acieries de la Marine et d'Homecourt, Paris, France, a company of France
Application September 29, 1936, Serial No. 103,223
In France March 25, 1936
17 Claims. (Cl. 172—239)



1. A distant electric transmission comprising a main transmitter, at least one receiver electrically controlled thereby, an auxiliary transmitter an auxiliary electric transmission of angular motion controlled by said auxiliary transmitter, means controlling both transmitters, a part controlled by each receiver, a second auxiliary transmission of angular motion controlled by said part, differential means submitted to the action of the two auxiliary electric transmissions and an auxiliary electric motor system controlled by said differential means and acting on the part controlled by the corresponding receiver for restoring concordance between said part and the transmitter.

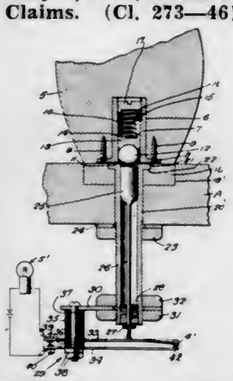
2,138,422
INDICATING INSTRUMENT FOR NAVIGATION
Thomas E. Halpin, Washington, D. C.
Application January 28, 1935, Serial No. 3,887
8 Claims. (Cl. 116—133)



1. An indicating instrument for navigation comprising a support, a pivot secured to said support, a member pivotally mounted upon said pivot and having an angularly calibrated surface so positioned with respect to said support that said surface is substantially exposed, the pivotal mounting of said member permitting adjustment thereof with respect to said support to correspond with given bearings, a plurality of indicating elements cooperating with said member and its calibrations and adjustable with respect to said member and said support in a plane substantially parallel with said member. each of

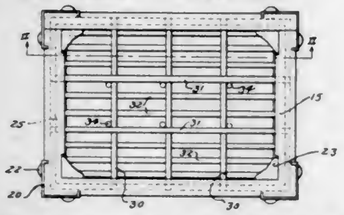
said indicating elements having dissimilar indicia presented by its opposite edges, said elements being arranged to have like edges in adjacency.

2,138,423
BOWLING ALLEY
Jacob R. Kaiserman, Helena, Mont.
Application May 5, 1938, Serial No. 206,289
3 Claims. (Cl. 273—46)



1. In a bowling alley, a pin platform fixed flush with the alley surface and having an aperture extending therethrough with the upper end thereof adapted to receive and position a positioning member projecting from the end of a ten pin, a plunger slidable in said aperture, and yielding means for normally holding said plunger with its upper end flush with said surface, said plunger being movable below said surface only by pressure of the positioning member of a ten pin supported in playing position by said platform.

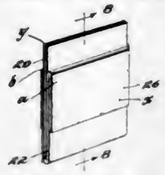
2,138,424
BOTTLE CRATE
William A. McCutchen, Birmingham, Ala.
Application February 8, 1937, Serial No. 124,554
13 Claims. (Cl. 217—20)



1. In a crate, assembled slats forming a crate body, a wire grid assembly comprising connected positioning and supporting wires and a marginal frame wire, a marginal shoulder provided between slats in the crate body and disposed within said frame wire whereby the grid is interlocked with said shoulder and thereby demountably held in position in the crate.

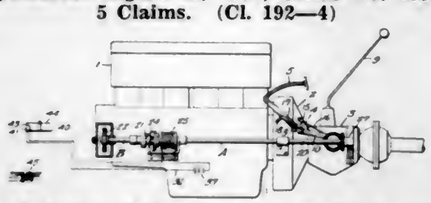
2,138,425
PAPER NAPKIN
Elmer C. Morris, Chicago, Ill., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application November 23, 1935, Serial No. 51,227
2 Claims. (Cl. 206—57)

1. A folded napkin adapted to be stored in and dispensed from a dispenser composing a rectangular sheet, a marginal portion of said sheet being folded over so as to provide a panel of double thickness and a panel of single thickness, said panels being of substantially the same width, said folded sheet being folded at right angles to said first named fold in successively reversed parallel folds to produce a plurality of plies superposed and overlying said panels, said plies being of successively narrower width with the narrowest ply centrally disposed with respect to the widest ply, said folded sheet being medially folded at right angles to said parallel folds so as to bring the end portions of the ply of least width on the outer faces of the folded



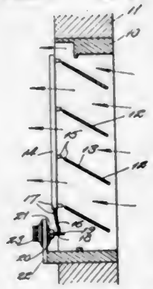
sheet, said final folded sheet having a plural ply grasping tab on opposed faces thereof for facilitating removal of the folded sheet from the dispenser, and said final folded sheet having upon opposed faces thereof, free single ply tab portions which, when grasped one in each hand of the user and pulled apart, will fully unfold the folded sheet.

2,138,426
CONTROL FOR MOTOR VEHICLE CLUTCHES, BRAKES, AND TRANSMISSIONS
Vernon L. Nelson, Collbran, Colo.
Application August 18, 1937, Serial No. 159,756
5 Claims. (Cl. 192—4)



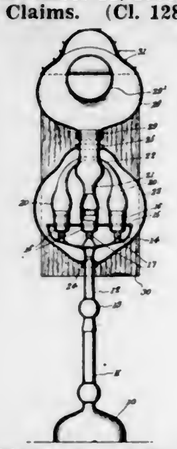
1. A device of the character set forth including a motor vehicle having an engine, a clutch mechanism, a brake mechanism and a transmission, a rotatable shaft mounted on said motor vehicle, means actuated by said shaft and connected with the clutch and brake mechanism and with the transmission to render said clutch mechanism disengaged, the brake mechanism applied and the transmission mechanism inoperative on the rotation of said shaft, a drive means between said shaft and the engine, and an electrical means for controlling said drive means.

2,138,427
AUTOMATIC VENTILATOR
Claude D. Payden, Fremont, Ohio
Application October 29, 1937, Serial No. 171,780
2 Claims. (Cl. 98—95)



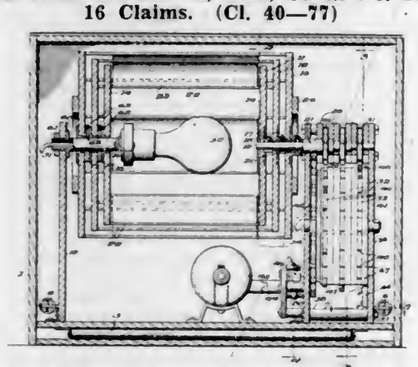
1. A ventilator comprising a frame, slat vanes pivotally connected at the ends to said frame, a tie rod pivotally connected to the vanes, a helical spring connected at one end to said rod, a flexible cable connected to the other end of said spring, and a shaft carried by the frame upon which the cable is wound to regulate the tension of the spring, said spring normally holding said vanes open against gentle wind pressure and yielding to permit the vanes to close during abnormal wind pressure.

2,138,428
MEANS FOR SKIN TREATMENT
Mary Pulgar, New York, N. Y.
Application November 11, 1936, Serial No. 110,341
3 Claims. (Cl. 128—256)



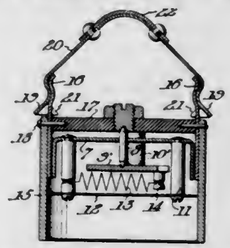
1. A portable vaporizer for facial treatments comprising, an adjustable pedestal, three cups, said cups each to hold a different volatile medicament, means for mounting said cups on said pedestal, heating means for each of said cups for separate and selective volatilization of the different medicaments therein, three rigid tubes extending upwardly one from each of said cups and parallel one to another, the middle of said three rigid tubes having two oppositely disposed openings in the lateral walls, thereof, the other two of said three rigid tubes each being curved at the upper ends thereof and each curved end extending through one of said openings for snug engagement therein, and head receiving means connecting to the middle of said rigid tubes to direct the selected vapor against the face of a user.

2,138,429
DISPLAY DEVICE
Daniel J. Richardson, Onondaga County, N. Y.
Application October 14, 1935, Serial No. 44,993
16 Claims. (Cl. 40—77)



1. In a display device a stationary screen, a movable flexible display panel means for moving the panel into and out of register with a part of the screen and means for advancing the panel into close engagement with said part of the fixed screen and removing it therefrom.

2,138,430
CURRENT INDICATOR
Harold H. Rudd, Greensburg, Pa., assignor, by mesne assignments, to Railway & Industrial Engineering Company, Greensburg, Pa., a corporation of Delaware
Application July 31, 1935, Serial No. 34,092
12 Claims. (Cl. 177—311)



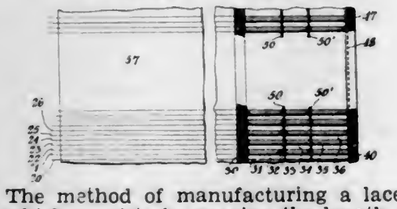
1. A current indicator comprising an iron strap of approximately U-form adapted to be inverted over and mounted upon a substantially horizontal conductor, a non-magnetic casing of inverted cup shape and means for attaching the same to the depending ends of said strap, an armature within the casing, means mounting said armature for pivotal movement within said casing and about a vertical axis, spring means opposing motion of said armature by the magnetic field established in said iron strap when current flows through a conductor upon which the strap is mounted, and an indicating disk carried by said armature, said disk being visible through the open bottom of the casing.

2,138,431
LACE FRINGE AND METHOD OF MANUFACTURING THE SAME
Edgar F. Stiner, New York, N. Y.
Application April 29, 1938, Serial No. 204,939
15 Claims. (Cl. 96—24)



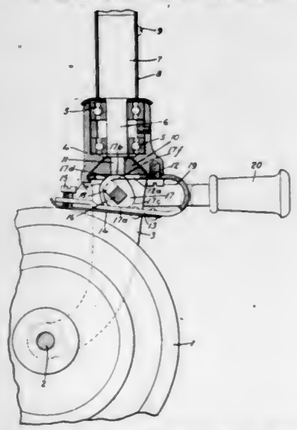
1. The method of manufacturing a lace fringe which includes extending the warp threads beyond the normal finishing edge of a lace fabric, clothing certain of said warp threads as thus extended for a sufficient distance to form a series of drops with openwork therebetween, and cutting said warp threads at the outer extremity of said drops.

2,138,432
LACE CURTAIN AND METHOD OF MANUFACTURING THE SAME
Edgar F. Stiner, New York, N. Y.
Application August 20, 1938, Serial No. 225,907
9 Claims. (Cl. 96—24)



1. The method of manufacturing a lace curtain which consists in weaving the length of the curtain at right angles to the warp threads so that the warp threads extend from side edge to side edge of the body of the curtain, extending the warp threads beyond the normal finishing line of the side edge of the body of the curtain, weaving a series of elongated lace drops of close structure alternating with open work between the warp threads as thus extended to form a lace edging extending along the side edge of the body of the curtain and beyond the normal finishing line thereof, folding said lace edging back substantially along the normal finishing line of the side edge of the body of the curtain to transform said lace drop into a series of loops defining a lace fringe projecting beyond the said normal finishing line, and stitching the folded plies of the lace edging together to retain the lace fringe in position and prevent the lace loops from unravelling.

2,138,433
CASTER
Karl Henrik Sundén, Lindesberg, Sweden
Application February 20, 1937, Serial No. 126,894
In Sweden February 22, 1936
9 Claims. (Cl. 16—35)



1. In a caster, a fork having a vertically extending head portion rotatably mounted on a pintle of an article to be transported, a wheel mounted in said fork, two brakes, one for locking the wheel comprising a resilient plate secured to the fork and projecting along the peripheral portion of the wheel, the other of said brakes being adapted to lock the fork comprising a body non-rotatably mounted on the pintle adjacent the head portion of the fork and slidable with respect thereto, and a cam member rotatably mounted on the fork between the two brakes adapted when turned to simultaneously cause engagement of said body with the fork head and move the resilient plate into engagement with the wheel so as to lock said parts against rotation.

2,138,434
FERMENTATION PROCESS AND PRODUCT
Charles A. Thomas and Carroll A. Hochwalt, Dayton, Ohio, assignors, by mesne assignments, to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application October 22, 1935, Serial No. 46,159
3 Claims. (Cl. 99—96)

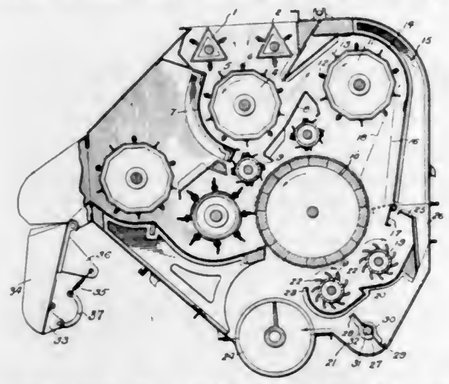
2. The method of producing an edible yeast product having normal viable characteristics and having improved palatability which comprises subjecting the active yeast in aqueous suspension and containing the residual products arising from the fermentation organism to a hydrogenation treatment with simultaneous agitation and under conditions of temperature and pressure insufficient to destroy the activity of the yeast and in the presence of a catalyst adapted to promote a hydrogenation reaction, and thereafter removing the catalyst from the suspension to produce said yeast product having its normal viable characteristics and in a substantially odorless and tasteless condition.

2,138,435
FERMENTATION PROCESS AND PRODUCT
Charles A. Thomas and Carroll A. Hochwalt, Dayton, Ohio, assignors, by mesne assignments, to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Original application October 22, 1935, Serial No. 46,159. Divided and this application November 13, 1937, Serial No. 174,398
4 Claims. (Cl. 99—30)

1. A process of producing improved beverage products substantially free of usual green characteristics as freshly produced comprising subjecting a mash to fermentation, and subjecting the freshly fermented liquor to a hydrogenation treatment in the presence of a catalyst from the group consisting of finely divided platinum, nickel, and cobalt, to produce a liquor from which the objectionable green odor and taste are permanently removed.

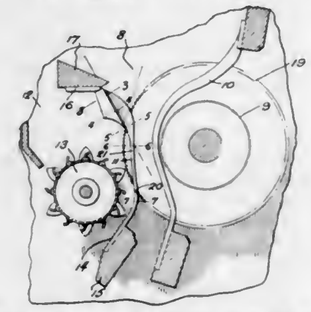
2,138,436
COTTON HULLER
Jeffrey John Wallace, Amite, La., assignor to Gullett Gin Company, Amite, La., a corporation of Louisiana
Application July 1, 1935, Serial No. 29,331
6 Claims. (Cl. 19—37)

1. Cotton huller comprising a casing having a cotton inlet and separate cotton and hull discharges, sequentially arranged means for separating the cotton from contaminating substances comprising a primary cleaning drum and a secondary cleaning drum at a lower level than the primary cleaning drum, a saw cylinder between said cleaning drums, a conduit opening adjacent said primary cleaning drum, said primary cleaning drum centrifugally classifying the raw cotton into three grades by weight, said primary cleaning drum, secondary cleaning drum, saw cylinder and conduit being so correlatively positioned that the primary cleaning drum throws light clean cotton directly upon said saw cylinder, heavy débris into said conduit, and cotton with hulls past said saw cylinder upon said secondary cleaning drum, and means forming a by-pass around said secondary cleaning drum



communicating with said conduit and with said hull discharge for passing the heavy débris from said conduit to said discharge in avoidance of said secondary cleaning drum.

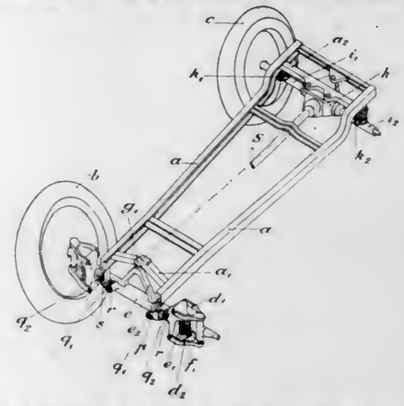
2,138,437
HULLER RIB
Jeffrey John Wallace, Amite, La., assignor to Gullett Gin Company, Amite, La., a corporation of Louisiana
Application March 10, 1938, Serial No. 195,123
3 Claims. (Cl. 19—62)



1. In a huller gin, a saw cylinder, a set of huller ribs disposed between the saws, said ribs being curved at their upper parts to extend into the huller breast and across the peripheries of the saws, each rib having straight edges on its opposite sides lying in a plane tangent to the curves at the points of intersection thereof with the peripheries of the saws, each of said parts being bevelled in opposite directions from said straight edges to provide gradually increasing clearances into the huller breast and roll box of the gin of the cotton moved by the saws into said upper parts.

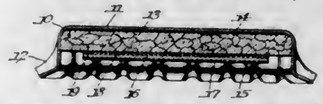
2,138,438
MEANS FOR CONNECTING THE FRAME WITH THE AXLES OF VEHICLES
Max Wagner, Stuttgart, Germany, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany, a firm of Germany
Application February 6, 1935, Serial No. 5,282
In Germany February 10, 1934
12 Claims. (Cl. 280—124)

1. In a motor vehicle, a frame, an axle unit comprising an axle piece, a rocking connection between the frame and the axle piece for connecting the axle piece to the frame in such a manner that the frame can swing relatively to the axle piece about a longitudinal axis of the vehicle, a pair of vehicle wheels and guiding means for connecting the said vehicle wheels to the axle piece independently of one another, two



half axles each having a vehicle wheel thereon and pivotal means between the frame and the half axles for independently connecting the half axles to the frame so that each half axle together with the wheel thereon can swing as a unit about a longitudinal axis of the vehicle independently of the other half axle.

2,138,439
CONTAINER CLOSURE AND LINING MATERIAL THEREFOR
Albin H. Warth, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application March 31, 1936, Serial No. 71,917
2 Claims. (Cl. 215—39)



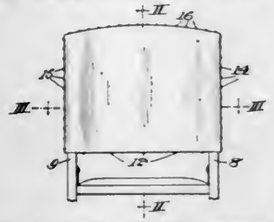
1. In a cap which includes a metal shell and a cushion liner, a facing of the center spot type of lesser diameter than the cushion liner, said facing comprising a layer of paper having a non-thermoplastic varnish coating on both its faces and a continuous layer of thermoplastic adhesive comprising a cellulose ester and a resin between its inner varnished face and said cushion liner, said varnish rendering the paper non-adsorptive to and being adhesively compatible with said adhesive.

2,138,440
METHOD OF UPHOLSTERING FURNITURE
Whitlock Boardman, Hoboken, N. J., assignor to Ferguson Brothers Manufacturing Company, Hoboken, N. J., a corporation of New Jersey
Application January 22, 1938, Serial No. 186,296
7 Claims. (Cl. 155—178)

1. A method of upholstering furniture including, providing a cushion element having a flexible facing and a stiff, bendable backing secured together at their edges, applying the cushion element to a portion of the furniture frame with the backing adjacent the frame, and bending the edges of the element around the frame for drawing the facing taut and facilitating securing of the cushion element to the frame.

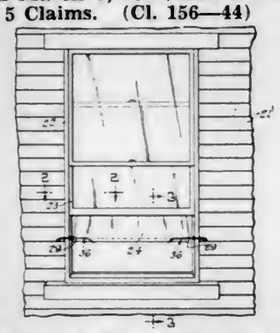
4. A cushion element for upholstering furniture comprising, a stiff backing and a flexible

facing, the backing being formed with bendable peripheral flanges thereon, a said flange being convex, and the facing extending over said flanges and being secured to the rear thereof,



whereby the bending of said convex flange will cause the flexible facing to assume a concave form with the depression of the concavity extending substantially at right angles to said flange.

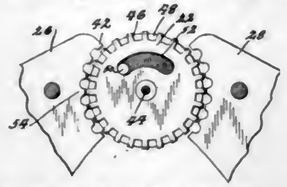
2,138,441
WINDOW SHADE
Joseph Augustin Bombard, Bronxville, N. Y.
Application March 3, 1937, Serial No. 128,783
5 Claims. (Cl. 156—44)



3. An attachment for spring-operated roller shades of the type herein described and adapted to temporarily convert it into an awning, said attachment comprising a rod of metal bent near the middle of its length so that the two sections then formed extend parallel and adjacent one to another with the bent portion between them having a U-shaped configuration adapted to be pushed over and around any stick extending along the bottom of such shade, together with elastic means attached to and movable relatively to said straight portions and also adapted to surround and closely grasp such stick; whereby, when said parts are so mounted on the lower end of such shade, said rod may be manually adjusted with reference thereto so as to have a free end projecting beyond the side edge thereof far enough to extend outside of any window casing in which such shade is mounted, or may be withdrawn flush with such edge.

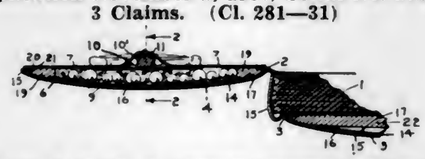
2,138,442
SYNCHRONOUS MOTOR FOR ELECTRIC CLOCKS AND THE LIKE
Frederic R. Borgfeldt, Middlebury, Ind., assignor, by mesne assignments, to Globe American Corporation, Macomb, Ill., a corporation of Illinois
Original application May 3, 1935, Serial No. 19,666. Divided and this application March 28, 1936, Serial No. 71,435
9 Claims. (Cl. 172—275)

1. In a multi-polar synchronous motor, the combination of a plurality of field pieces each having a series of unwound polar projections, an armature disposed therebetween and having a series of unwound polar projections, the air gaps



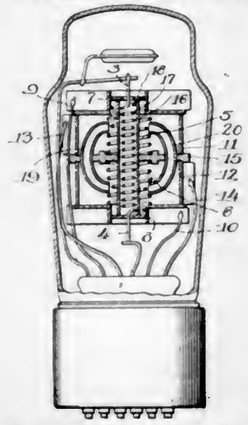
between said rotor and field pieces varying in width from approximately the center of said pieces outwardly.

2,138,443
BOOK
John V. Cavalero, Bloomfield, N. J.
Application November 2, 1937, Serial No. 172,329
3 Claims. (Cl. 281—31)



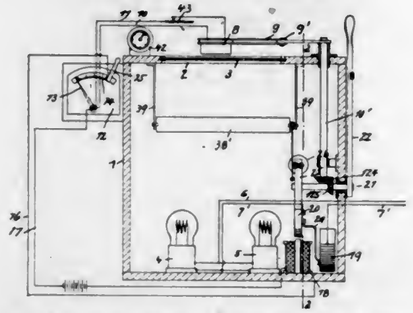
1. In a book, a concave convex member, an outer cover over the convex surface of said member, a frame secured to said member, a lining covering the concave surface of said member, and an apertured inner cover held away from said lining by said frame and forming a pocket between said lining and said inner cover, means securing said cover and member to said book whereby a crucifix and prayer beads secured to said crucifix may be held within said pocket, and means on the outside of the pocket on the face of said inner cover securing said crucifix thereto.

2,138,444
ELECTRON DISCHARGE DEVICE
Richard U. Clark, Wilmette, Ill.
Application July 6, 1937, Serial No. 152,014
1 Claim. (Cl. 250—27.5)



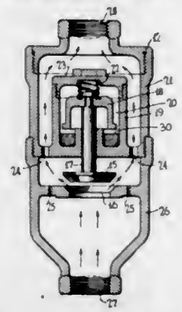
A vapor electric tube having an envelope and a readily ionizable atmosphere, comprising a plurality of grids and cooperating plates and a common electron emitting cathode, an insulating partition adapted to be mounted intermediate said grids, and a means forming by-passage-way outside the periphery of the grids and connecting with sections of the cathode, said passageway being of a size and displacement sufficient to by-pass the flow of electrons and ions from one portion of the cathode to the other at such times as the grids prevent simultaneous emission to the plates.

2,138,445
PHOTOGRAPHIC PRINTING APPARATUS
Paul Dautzenberg, Aachen, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application November 28, 1936, Serial No. 113,223
In Germany November 30, 1935
10 Claims. (Cl. 95—73)



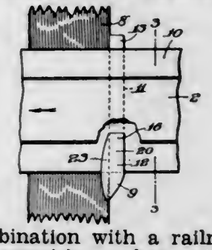
2. In a photographic printing apparatus, the combination of a source of light, means for supporting a photographic negative in a position to be exposed to said source of light, a photoelectric cell movable into a position in which it will be energized by light passing through a negative on said supporting means, a moving-coil instrument electrically connected with said photoelectric cell, an adjustable resistance for said source of light, a controlling lever for said resistance movable by a spring, and means for locking said controlling lever in different positions, said last named means being actuated by a circuit closed by said moving-coil instrument.

2,138,446
VALVE
Bernard Douredoure, Bala-Cynwyd, Pa.
Application October 9, 1937, Serial No. 168,124
8 Claims. (Cl. 137—161)



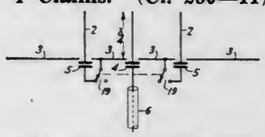
1. A valve comprising a casing, co-acting valve closure members within said casing, openings within said casing permitting by-pass flow of a limited quantity of heating fluid through said valve casing immediately upon admission of said fluid to the casing, a normally solid low melting alloy within the casing, and means co-acting with said alloy to seal said valve closure members in closed position until said low melting alloy has been liquefied by passage of said heating fluid through said openings.

2,138,447
RAIL ANCHOR
James M. Fair, Pittsburgh, Pa.
Application January 26, 1938, Serial No. 186,925
11 Claims. (Cl. 238—327)



1. The combination with a railroad rail, of a rail anchor comprising a bar extending transversely beneath the rail base and engaged with the bottom thereof, an arm extending upwardly from one end of the bar and inwardly over one side of the rail base and having its free end portion engaged with the top of the rail base, the upper portion of said arm extending laterally of the body of the arm and forwardly from the forward surface of the lower portion of said arm, and the forward part of said arm extending upwardly to a greater height above the rail base than the height to which the rearward part of said arm extends, and a projection on the other end of the bar extending above the bottom of the rail base adjacent to the edge of the other side thereof.

2,138,448
DIRECTIONAL LANDING BEAM TRANSMITTER
Albrecht Gothe, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application January 23, 1937, Serial No. 121,961
In Germany January 6, 1936
4 Claims. (Cl. 250—11)

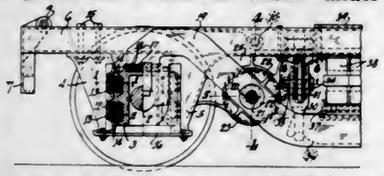


1. In a directional landing beam transmitter a vertical antenna having a maximum length of $\lambda/4$, a source of energy coupled to said antenna, means including a vertically disposed reflecting antenna system for rendering the wave emitted by the first said antenna directional, means including a plurality of horizontally disposed reflectors positioned adjacent the base of the first said antenna for intensifying the directional effect of said wave, a plurality of capacitive coupling means, and means for interposing separate ones of said coupling means alternately between said reflecting antenna system and one of said horizontal reflectors, respectively, thereby to vary the directional characteristic of said wave.

2,138,449
RAILWAY TRUCK STRUCTURE
Einar G. Hallquist, Wallingford, Pa., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application July 15, 1935, Serial No. 31,369
15 Claims. (Cl. 105—190)

7. In a railway truck, framing, a bolster, a swing hanger connection between said framing and said bolster and comprising separate upper and lower parts overlapping each other, a rub-

ber cushion between the overlapping portions of said parts, said portions having upwardly and downwardly facing shoulders engaging said cushion to place the same in shear under the



hanger load, a bolt-like element passing through apertures in said parts and said cushion to hold the same in assembled relation, the aperture in at least one of said parts being enlarged so that the side of said element normally is free of contact with said part.

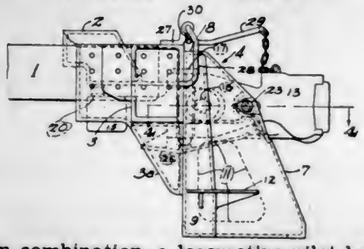
2,138,450

RAILWAY PILOT STRUCTURE

Einar G. Hallquist, Wallingford, Pa., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware

Application June 26, 1936, Serial No. 87,486

9 Claims. (Cl. 213—4)



1. In combination, a locomotive pilot having a forwardly and upwardly opening recess, a coupler movably mounted on said pilot and including a head which may be projected forwardly from said recess into position to couple with an adjacent vehicle or may be raised from said position out of said recess, said coupler including a portion spaced from said head and closing the front end of said recess substantially from side to side and from top to bottom when said head is raised.

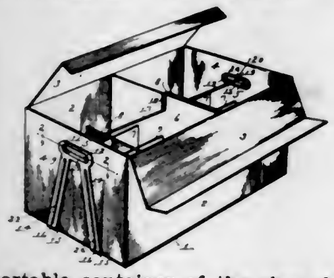
2,138,451

PORTABLE CONTAINER HAVING CARRYING FRAME

Joseph W. Holmes, Grand Rapids, Mich.

Application April 9, 1938, Serial No. 201,098

8 Claims. (Cl. 229—52)



1. A portable container of the class described comprising: a box having a bottom and opposite vertical walls with apertures therein; a carrying frame containing the box having vertical end parts with handle openings and flanges extending inwardly therefrom into the apertures respectively, and having a horizontal middle part supporting the box at its bottom.

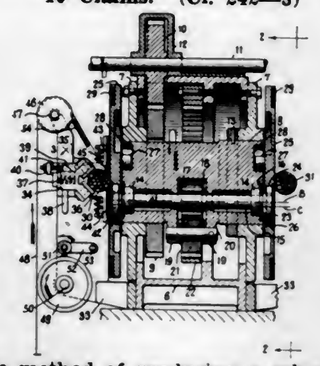
2,138,452

METHOD OF WINDING BALLS

Frank Honig, Pawtucket, R. I.

Application November 1, 1935, Serial No. 47,732

10 Claims. (Cl. 242—3)



1. The method of producing a spherical body formed of a core and a body of filamentary material wound thereon, which comprises, winding hot elastic filament, which is capable of strand shrinkage to increase its tension in the wound body when relieved of heat, under tension on a core to form convolutions thereon, and cooling the wound sphere subsequent to winding.

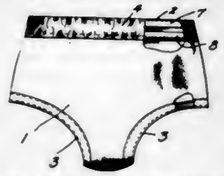
2,138,453

ELASTIC GARMENT BAND

Lyndon W. Joyce, Greensboro, N. C., assignor to The Faultless Manufacturing Company, Baltimore, Md., a corporation of Maryland

Application June 5, 1935, Serial No. 25,143

1 Claim. (Cl. 2—237)



A garment band comprising textile fabric folded upon itself and with the free edge of the fabric turned inwardly within the fold forming a flat tubular hem at an edge of the garment, a pair of strips of sheet rubber spaced apart within said flat tubular hem, one strip of sheet rubber being adjacent one edge of said flat tubular hem and the other strip of sheet rubber being adjacent the other edge of said flat tubular hem, a pair of rows of stitches passing through the edges of said strips of sheet rubber, one row of stitches being located at one edge of said flat tubular hem and passing through the edge of the strip of rubber adjacent the same edge of the hem, the other row of stitches being located at the other edge of the hem and passing through the edge of the strip of rubber adjacent to the corresponding edge of the hem, the last mentioned row of stitches securing the folded over inturned edge of the fabric to the main body of the fabric in order to form the closure for the open edge of the hem.

2,138,454

APPARATUS FOR DISPENSING BEVERAGES

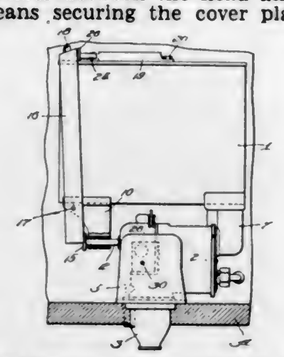
Alphonso L. Koenig, Chicago, Ill.

Application February 21, 1938, Serial No. 191,608

12 Claims. (Cl. 225—26)

1. In a draft arm, a casing having a measuring chamber for syrup open at the outer end, a tubular member arranged in said chamber and

having a valved outlet at the inner end and an external flange or head at the outer end fitting against the surrounding walls of the chamber, a cover plate positioned beyond the outer end of the tubular member and also fitting into the chamber, a washer-like rubber gasket having an internal diameter greater than that of the tubular member between the head and the cover plate, means securing the cover plate and the



flange together to clamp the gasket, a thick rubber disk fitting the interior of the said tubular member and engaged with the said cover plate, means yieldingly pressing said rubber disk against the cover plate and causing it to expand into close contact with the surrounding tubular member, and there being an inlet into the interior of said tubular member for liquid under pressure through the centers of the cover plate and the disk.

2,138,455

MEANS FOR CIRCULATING LIQUOR IN PULP COOKERS

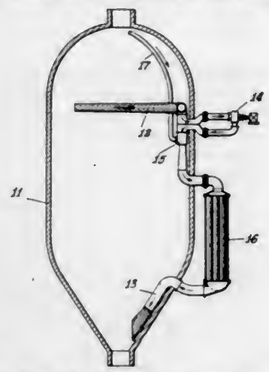
Otto Kreissler, Frankfort-on-the-Main-Griesheim, Germany, assignor to American Lurgi Corporation, New York, N. Y., a corporation of New York

Application December 10, 1934, Serial No. 756,770

In Germany December 9, 1933

2 Claims. (Cl. 92—7)

(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



1. Apparatus for circulating liquid in pulp cookers, comprising a cooker, a draw-off conduit in communication with and located inside said cooker, pumping means in said conduit but external of said cooker for increasing the pressure on the liquor passing therethrough, gas injecting means in said conduit and inside said cooker and actuated by the liquor under increased pressure, means in said conduit beyond said gas injecting means and external of said cooker for heating the liquor and entrained gas and a return conduit for discharging the thus treated liquor into the cooker.

2,138,456

ROOFING MATERIAL

Arthur Dawes MacNutt, Kenmore, N. Y., assignor to Certain-Teed Products Corporation, New York, N. Y., a corporation of Maryland

No Drawing. Application July 23, 1936, Serial No. 92,145

14 Claims. (Cl. 91—68)

1. Durable granular material having thereon a coating of a compound of casein which is substantially insoluble in water.

2,138,457

PROCESS FOR IMPROVING THE FASTNESS OF DYEINGS

Ferdinand Münz, Frankfort-on-the-Main, and Karl Keller and Otto Trösken, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Original application March 27, 1936, Serial No. 71,172. Divided and this application September 24, 1937, Serial No. 165,482. In Germany April 3, 1935

3 Claims. (Cl. 8—74)

1. Process for improving the fastness of dyeings which have been prepared on cellulose materials by means of substantive dyestuffs by aftertreating them with solutions containing products containing a pyridine radicle the ring nitrogen atom of which is converted into the pentavalent state, said products being obtained by the action of pyridine on a member of the group consisting of dichloro-diacetyl-1.4-phenylenediamine and symmetrical dichloroacetone.

2,138,458

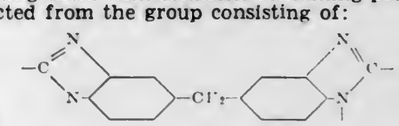
PROCESS FOR IMPROVING THE FASTNESS OF SUBSTANTIVE DYEINGS

Ferdinand Münz, Frankfort-on-the-Main, and Karl Keller and Otto Trösken, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

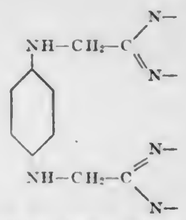
No Drawing. Original application March 27, 1936, Serial No. 71,172. Divided and this application September 24, 1937, Serial No. 165,483. In Germany April 3, 1935

4 Claims. (Cl. 8—74)

1. Process for improving the fastness of dyeings which have been prepared on cellulose materials by means of substantive dyestuffs by aftertreating them with solutions containing products selected from the group consisting of:



and



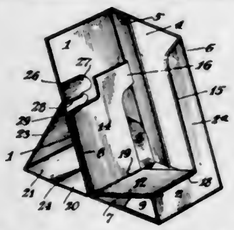
in which formulae at the free valences of the imidazole rings a member of the group consisting

of phthalic acid, acetic acid in the case of the first formula and benzene in the case of the last formula is attached.

2,138,459
MANUFACTURE OF ALLOYS
Leonard Bessemer Pfeil, Edgbaston, Birmingham, England, assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application March 28, 1936, Serial No. 71,451. In Great Britain April 3, 1935
17 Claims. (Cl. 75—82)

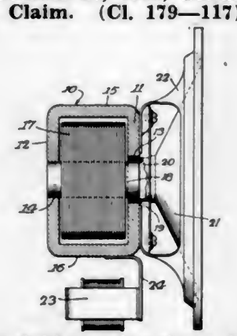
1. The process for the consistent production of nickel and nickel alloys containing predetermined and controlled amounts of calcium which comprises establishing a nickel-containing molten bath containing deleterious impurities, adding manganese and silicon for preliminary deoxidation, adding sufficient calcium silicide containing about 25% calcium to react with residual impurities and to provide an excess of calcium, holding the melt until said calcium reacts completely with said impurities and a portion of the excess of calcium is removed by interaction with oxygen while adjusting the temperature of said bath to a casting temperature, pouring said molten metal into a ladle, adding sufficient arsenic to react with any excess of calcium thereby producing a bath of molten metal substantially devoid of deleterious impurities and unreacted calcium, adding a predetermined and controlled amount of calcium silicide containing about 25% calcium sufficient to produce a molten metal containing about 0.05% calcium and pouring said molten metal whereby sound nickel-containing castings having about 0.05% calcium are consistently produced.

2,138,460
DISPLAY CARTON
William A. Ringler, Wayne, Pa., assignor to National Folding Box Company, New Haven, Conn., a corporation of New Jersey
Application December 19, 1935, Serial No. 55,143
5 Claims. (Cl. 206—44)



1. A display carton formed from a single blank of paperboard material including, front, rear and side walls, a bottom wall closing one end of the carton arranged to lie at an acute angle with respect to said front wall so that the carton will be free to incline rearwardly when resting on said bottom wall, and an easel integrally connected to the lower end of said rear wall to support the carton in erect display position, said easel including a brace having its upper end projected through said rear wall, and a collapsible strut extending from said brace to said rear wall, said front wall having a section cut therefrom and foldable rearwardly to provide an inclined bottom supporting the goods packed within said carton, and a flap extending upwardly from said section and positioned against the rear wall of the carton to overlie the projecting end of said brace.

2,138,461
LOUDSPEAKER
Gabriel E. Sundstrom, Chicago, Ill., assignor to Sundstrom Pressed Steel Co., Chicago, Ill., a corporation of Illinois
Application October 17, 1936, Serial No. 106,093
1 Claim. (Cl. 179—117)



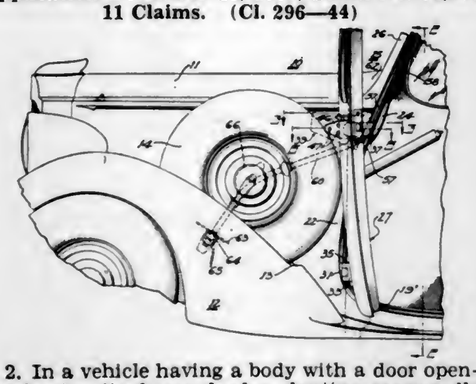
A magnetic field member for a loud speaker, comprising an elongated flexible soft metal strap bent to form a closed loop, a portion of said loop being provided with a voice coil opening, said strap having meeting end portions provided with means of dovetail form tightly interfitted in jammed relation throughout the width of said strap and serving to lock said end portions against endwise separation whereby to maintain said loop in closed form and provide an efficient magnetic flux circuit.

2,138,462
METHOD OF SHAPING FOOD PRODUCTS
Frank W. Trabold, Detroit, Mich.
Application January 18, 1937, Serial No. 121,054
5 Claims. (Cl. 99—176)



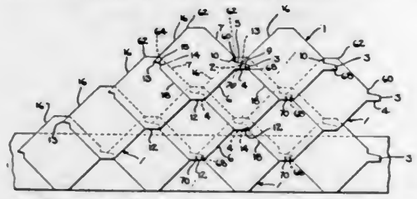
1. As an article of manufacture, a casing for finely divided food products which consists of a moisture permeable flexible tubing creased lengthwise thereof, the fold of the crease being sealed to the tubing proper by an edible adhesive soluble in water.

2,138,463
MOTOR VEHICLE
Jesse G. Vincent, Grosse Pointe, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application December 13, 1935, Serial No. 54,205
11 Claims. (Cl. 296—44)



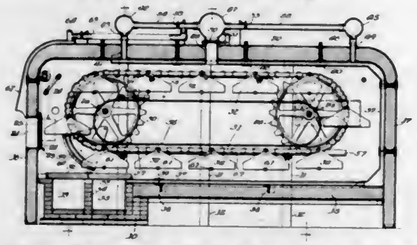
2. In a vehicle having a body with a door opening having its forward edge slanting rearwardly toward the top and a door for the opening, means for mounting the door to swing horizontally comprising an upper concealed hinge fixed to the forward edge of the door and to the body in advance of the door, and a lower hinge fixed to the forward edge of the door and the body, the point of fixing of the lower hinge on the door being substantially forward of the point of fixing of the upper hinge along the slanting forward edge of the door, the axes about which said hinges pivot being in vertical alignment.

2,138,464
COVERING ELEMENT
Alfred B. Walton, Kenmore, N. Y., assignor to Certain-Teed Products Corporation, New York, N. Y., a corporation of Maryland
Application July 23, 1936, Serial No. 92,102
11 Claims. (Cl. 108—7)



1. A shingle of generally quadrilateral shape having a tongue extending outwardly of the shingle from a corner thereof in the direction generally like-extending with the diagonal to said corner, said tongue extending beyond the point determining said corner of the quadrilateral and being of substantial width throughout said extent to provide a substantial area of the tongue beyond said point for a fastening applied to said tongue.

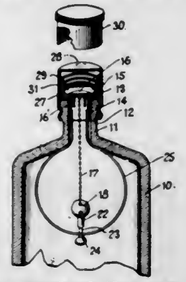
2,138,465
OVEN CONSTRUCTION
Otto Wundrack, Chicago, Ill.
Application May 1, 1937, Serial No. 140,121
4 Claims. (Cl. 107—63)



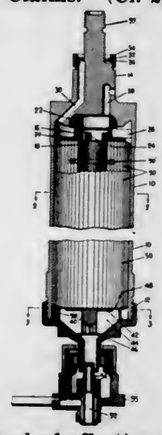
3. In combination with a baker's oven, a combustion chamber therein, an equalizing chamber adjacent thereto and in communication therewith, a plurality of conduits leading from the equalizing chamber along the bottom, one end wall and the top of the oven, headers at each end of the oven external thereof, outlets from said conduits to the said headers, dampers in said outlets, a second header centrally located with respect to the oven, and outlets from the said first mentioned headers to the said central header.

2,138,466
NONREFILLABLE BOTTLE CLOSURE
Charles T. Alexander, Lynbrook, N. Y.
Application March 17, 1937, Serial No. 131,355
8 Claims. (Cl. 215—23)

8. In combination, a bottle having a neck, a valve casing inserted into the neck of the bottle, a valve in said casing and adapted to open outwardly, a flexible element connected to said valve and extending into the bottle, a weighted element connected to said flexible element, a spring loop support connected at its outer ends to the valve casing, means on the spring loop support and connected to the weighted element whereby said element has pivotal movement thereon, the upper curved portions of the loop adapted to bear against the wall of the bottle and help hold the device in position, the resiliency of the loop permitting it to be pushed through the neck of the bottle while in assembled condition and a protective casing fastened permanently to the neck of the bottle and covering the valve casing, said protective casing having opposed openings therein for dispensing and air venting and said casing having screw threads around the periphery thereof and a threaded screw cap engaging said protective casing and which when in placement therewith closes the respective openings to prevent dispensing and air venting.



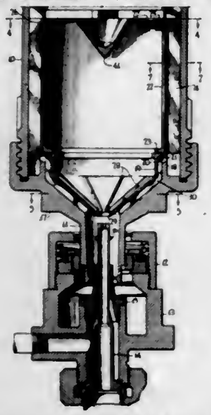
2,138,467
CENTRIFUGAL PROCESS
Arthur U. Ayres, Chestnut Hill, and Ashton T. Scott, Ardmore, Pa., assignors to The Sharples Specialty Company, Philadelphia, Pa.
Application July 22, 1935, Serial No. 32,486
5 Claims. (Cl. 233—27)



1. The method of effecting a centrifugal separating operation on materials having constituents tending to coagulate upon quiesence comprising effecting feed of material to be subjected to the separating operation to a rotating centrifugal rotor, subjecting the material within the rotor to centrifugal force and continuously discharging lighter and heavier effluents subsided from the rotor through separate discharge outlets, periodically discontinuing the feed of said material to the rotor and substantially concurrently with the discontinuance of the feed of said

material and without substantial deceleration of the rotor feeding a flushing liquid through the rotor during such discontinuance of feed of material under treatment, said feed of flushing liquid being at a rate in excess of the discharge capacity of the rotor through its heavier effluent discharge outlet and substantially in excess of the rate of feed to the rotor of material to be separated and hence serving to flush subsided lighter material inwardly and effect discharge of said lighter material through the lighter effluent discharge outlet of the centrifugal rotor.

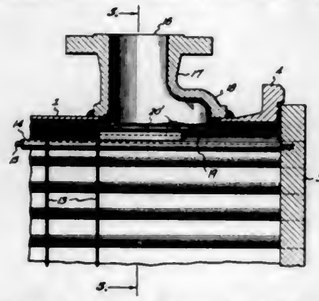
2,138,468
CENTRIFUGAL SEPARATOR
Arthur U. Ayres, Chestnut Hill, Pa., assignor to The Sharples Specialty Company, Philadelphia, Pa., a corporation of Delaware
Application March 17, 1936, Serial No. 69,291
6 Claims. (Cl. 233—27)



3. In a centrifugal separator, the combination comprising a centrifugal rotor having separate discharge outlets for separated liquid effluents, means for feeding a liquid material to be subjected to a centrifugal separating operation to said rotor, a preliminary feed section within said rotor into which said material is adapted to be injected by said feeding means, means for maintaining a peripheral wall of material in said preliminary feed section during rotation of said rotor, said preliminary feed section being adapted gradually to accelerate the material fed thereto without substantial stratification thereof, means longitudinally beyond said preliminary feed section and spaced from said rotor for facilitating stratification of material fed to the rotor, and a circumferential wall around said feed section extending longitudinally of the rotor and spaced from the wall of the rotor for introducing said flushing liquid directly into the outer radial zone of the rotor at a point surrounding said stratifying means.

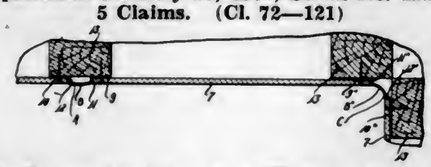
2,138,469
HEAT EXCHANGER
John M. Barclay, Brooklyn, and James B. Forbes, Mount Vernon, N. Y., assignors to Alco Products Incorporated, New York, N. Y., a corporation of Delaware
Application August 21, 1935, Serial No. 37,142
4 Claims. (Cl. 257—239)

4. A heat exchanger comprising in combination, a shell; a header sealing one end of said shell; a tube bundle in said shell connected to said header; a series of baffles within said shell transverse to the tubes of said bundle, the first baffle of said series being spaced from said header by tubular spacing collars; an orifice in the periphery of said shell between said header and said series of baffles; means other than said shell forming a nozzle fastened to said shell at a locus wholly spaced from either end of said shell for feeding fluid through said orifice, said nozzle means having a neck portion and an enlarged body portion integral with said neck portion, said body portion being positioned over said orifice



and said neck portion being joined to said body portion at a region farthest removed from said header; and, an impingement baffle longitudinally positioned between said tube bundle and said shell to receive fluid discharged through said orifice and to direct the fluid along the tubes toward said header, said impingement baffle being fastened to said collars.

2,138,470
MOLDING APPARATUS
Otto Bischof, Royal Oak, Mich.
Application January 28, 1937, Serial No. 122,742
5 Claims. (Cl. 72—121)



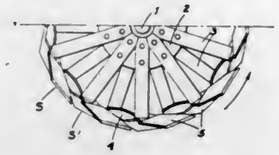
2. In combination, a wallboard; a molding formed from resilient metal and comprising a curved body; and an angularly turned portion on one side of said body engaging the edge of said wallboard and flexed to a position of strain; and a stationary abutment engaging the opposite side of said body.

2,138,471
ALKYLATED PHENYLPHENOLS
Edgar C. Britton, Gerald H. Coleman, and Ralph P. Perkins, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Original application May 8, 1936, Serial No. 78,640. Divided and this application August 21, 1936, Serial No. 97,246
8 Claims. (Cl. 260—620)

1. An alkyl-phenylphenol compound substituted in the hydroxylated benzene ring with at least one branched-chain alkyl group containing at least five carbon atoms.

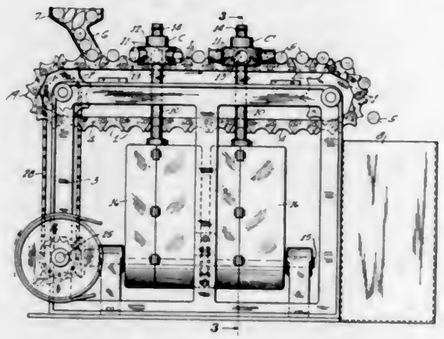
2,138,472
ROOT CHOPPING AND DIRT DISTRIBUTING IMPLEMENT
Jue L. Chong, Isleton, Calif., assignor to Miller and Chong, a copartnership comprising Look L. Chong, Jue L. Chong, Sam L. Chong, and Tony S. Miller
Application May 8, 1936, Serial No. 78,589
2 Claims. (Cl. 97—215)

1. In a high-speed rotary root chopping and dirt distributing implement, a horizontally disposed shaft mounted transverse of the implement and adapted to be driven at high speed, blade standards mounted radially about the shaft, and flat blades mounted on the outer ends of the standards in a plane transversely of said standards and projecting therefrom in the direction



of movement thereof; said blades being all canted in a plane transversely of the implement, and canted radially outward toward their leading edges in a plane longitudinally of the implement whereby the dirt pulverized by the implement will be thrown rearwardly, and laterally out a substantial distance.

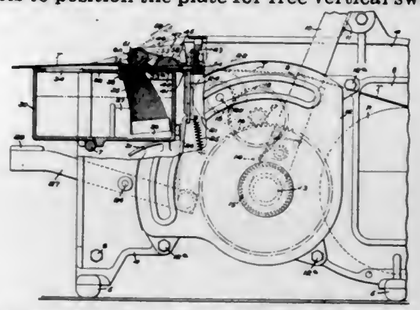
2,138,473
NUT-CRACKING MACHINE
Sylvester L. Fontana, St. Louis, Mo.
Application December 23, 1935, Serial No. 55,802
16 Claims. (Cl. 146—11)



1. In a nut-cracking machine, in combination, a pair of pivotally shiftable rotary shafts, means for rotarily actuating the shafts, co-operating anvils on the shafts adapted, on rotary movement of the shafts, to travel in opposed annular paths for engaging an interposed nut, means for yieldingly shifting the shafts pivotally together for disposing the anvils in nut-cracking relation, and means for locking the shafts together against outward shifting movement when the anvils are in nut-cracking relation.

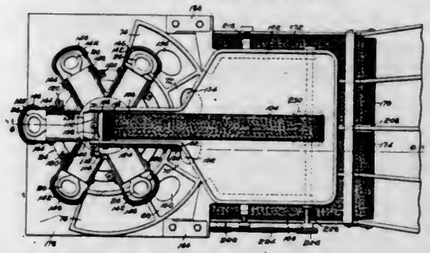
2,138,474
ADHESIVE STRIP SERVING APPARATUS
Trevor R. Gautier, Nashua, N. H., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H., a corporation of Massachusetts
Application December 11, 1936, Serial No. 115,370
6 Claims. (Cl. 91—14.5)

1. In a machine of the class described, tape guide means comprising, in combination with means to underlie the tape and define its path, a deflector plate to receive and guide the tape beneath it, positioning elements on the front portion of the plate, roller means extending transversely of the plate and rotatably supported between said positioning elements in position to rest by gravity on the upper face of the tape, and pivot means associated with said positioning elements to position the plate for free vertical swing-



ing movement about a transverse axis at its said front portion.

2,138,475
MACHINE FOR ASSORTING ARTICLES ACCORDING TO THEIR WEIGHT
Everett S. Hilton, Belmont, Mass., assignor of one-fourth to Perley A. Brewer and one-fourth to George H. Powers, both of Belmont, Mass.
Application June 10, 1936, Serial No. 84,447
8 Claims. (Cl. 209—121)

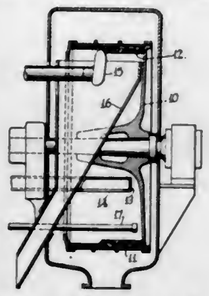


1. In a machine for assorting articles in accordance with their weights, the combination of a horizontally rotating turret having on its top a series of chutes which are inclined downwardly and outwardly with relation to the center of rotation of said turret, a hopper having an outlet, means to cause the release of articles one by one from said outlet to said chutes, respectively, a series of scales beneath and carried by said turret and having weighing pans successively receiving articles gravitating therefrom from said chutes respectively, a series of receptacles beneath the path in which said pans travel, and a series of selective scale trippers associated with said receptacles, respectively, and arranged selectively to trip said scales and to discharge articles from said pans according to the weights of said articles.

2,138,476
CENTRIFUGAL SEPARATION
Leo D. Jones, Philadelphia, Pa., assignor to The Sharples Specialty Company, Philadelphia, Pa., a corporation of Delaware
Application November 15, 1937, Serial No. 174,630
7 Claims. (Cl. 210—70)

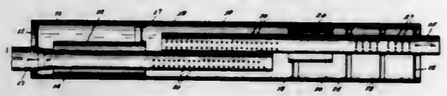
1. A process of dehydrating solids comprising the steps of passing a mixture of solids and liquid to a pervious centrifugal rotor and effecting removal of liquid through the pervious wall of the rotor, dislodging solids from the rotor while retaining a bed of solids within the rotor, thereafter passing a further mixture of solids and liquid to the bed of solids remaining in the rotor and effecting removal of liquid through the pervious wall of the rotor, and dislodging solids re-

maining in the rotor while retaining a bed of solids within the rotor of less depth than the



bed of solids within the rotor just prior to the passage of said further mixture thereto.

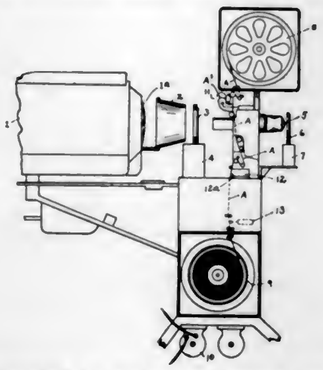
2,138,477
MUFFLER
Edmund Ludlow, Columbus, Ind., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind., a corporation of Indiana
Application October 15, 1937, Serial No. 169,086
8 Claims. (Cl. 181—54)



1. A muffler, comprising a cylindrical shell having end heads, a pair of transverse partitions within said shell spaced from each other and from said end heads to provide an expansion chamber between them and a resonating chamber between each and the adjacent end head, an opening in each of said transverse partitions, a tube mounted in each of said openings and extending longitudinally of said shell toward the adjacent end head, and inflow and outflow conduits of smaller diameter than said tubes extending respectively through said end heads, said conduits projecting inwardly of said shell through the respective tubes into overlapping relationship within said expansion chamber, the inner ends of said conduits being open within said expansion chamber and the walls of the overlapping portions of both conduits being provided with a multiplicity of restricted openings.

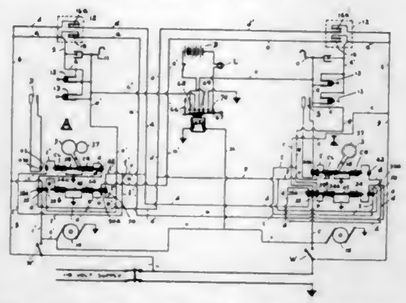
2,138,478
CHANGE-OVER ASSEMBLY
Frank Pedatella, New Kensington, Pa., assignor to Wilbert C. Black, New Kensington, Pa.
Application September 12, 1935, Serial No. 40,260
6 Claims. (Cl. 88—16.2)

6. In a motor picture projection installation the combination of two projection assemblies each comprising a lamp house, a projector, a film-propelling motor, and sound mechanism, with a switch structure in each projection assembly arranged to control a circuit to the film-propelling motor of that projection assembly, electro-magnetic means arranged to operate the said switches of the two projection assemblies, and film-operable switches arranged to control energization of said electro-magnetic means, the said film-operated switch of each projection assembly being arranged to act upon the electro-magnetic means of the alternate projection assembly to cause energization of the film-propelling motor thereof before deenergization of the film-propelling motor in its own projection assembly, said film-operated switches comprising each two electrical make-and-break devices sev-



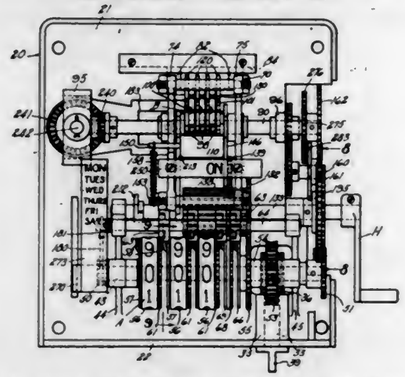
erally operated by swinging fingers cooperating with the film.

2,138,479
CHANGE-OVER ASSEMBLY
Frank Pedatella, New Kensington, Pa., assignor to Wilbert C. Black, New Kensington, Pa.
Application March 17, 1937, Serial No. 131,364
11 Claims. (Cl. 88—17)



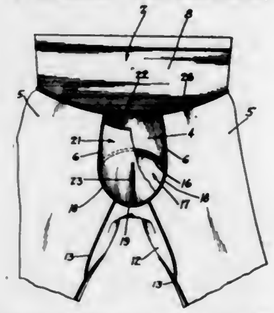
1. In combination with two motion picture projection assemblies, one normally active while the other is inactive, and each comprising a shuttered lamp-house, a projector and motor-driven reels arranged to propel a film between the lamp house and the projector; an automatic changeover and safety control mechanism organized with each assembly and including two plungers and electromagnetic means arranged to shift each plunger between alternate positions, one plunger of the mechanism effecting by its movement between alternate positions the alternate opening and closing of the shutter of its associated projection assembly, and the second plunger of the mechanism effecting by its movement between alternate positions the opening and closing of contacts in the energizing circuits of the electromagnetic means of said shutter-operating plunger and in the energizing circuit of the film-advancing motor of the assembly with which it is organized, and a film-operated switch mechanism included in each projection assembly, the switch mechanism of the active assembly being operable first to energize the electromagnetic means of the second plunger of the changeover and control mechanism of the inactive assembly and then to energize the electromagnetic means of the shutter-operating plungers of both assemblies, whereby the shutter of the active assembly is closed and the shutter of the inactive assembly is opened.

2,138,480
REGISTERING AND RECORDING MECHANISM
Edward Wild, Hartford, Conn., assignor to Veeder-Root Incorporated, Hartford, Conn., a corporation of Connecticut
Application January 31, 1936, Serial No. 61,714
18 Claims. (Cl. 234—2)



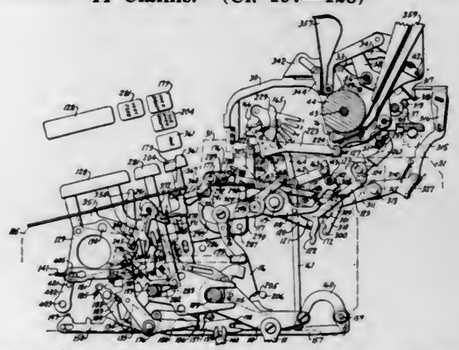
1. A print counter comprising a plurality of type wheels arranged to be shifted axially as a unit, driving means to rotate said wheels to perform a counting operation, means for supporting a record sheet relative to said type wheels, means for intermittently feeding the record sheet in one direction, means for shifting the position of the type wheels in a direction transversely to the direction of movement of the record sheet, means for taking impressions from the type wheels onto the record sheet, and mechanism common to and operatively associated with said feeding means, shifting means, and last mentioned means for causing said means to operate in sequential relation.

2,138,481
MAN'S UNDERGARMENT
Franklin Chatfield, Minneapolis, Minn., assignor to Munsingwear, Inc., Minneapolis, Minn., a corporation of Delaware
Application May 24, 1937, Serial No. 144,407
6 Claims. (Cl. 128—159)



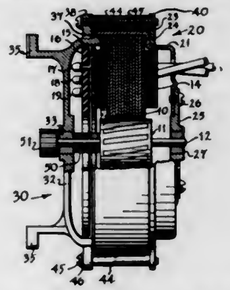
6. A garment of the class described, comprising in combination, a body portion including an elastic girdle, and sections extending around from the back to the front of said body portion and having their edges spaced apart at the front of the garment, a front fabric section extending downwardly from the front part of said girdle fitted between and secured to said edges and terminating above the crotch in a free lower edge, and a suspensory embodied in the construction of the garment and comprising a fabric section which extends upwardly from the crotch above said lower edge of said front fabric section of the body portion and having a free upper edge cooperating with the lower edge of said front section to provide a concealed fly opening.

2,138,482
ACCOUNTING MACHINE
John T. Davidson, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application August 2, 1937, Serial No. 156,865
44 Claims. (Cl. 197—128)



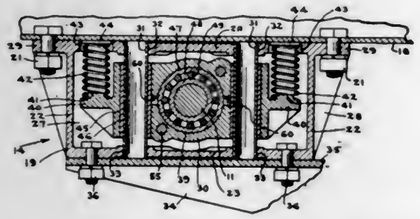
1. In a machine of the class described, the combination of a traveling carriage having a rockable platen adapted to be rocked from working position to open-throat position for the insertion and removal of record material; main operating means; normally ineffective means operated by the main operating means while the carriage remains stationary to rock the platen to open-throat position; devices to control operations of the machine; and means under the sole control of the control devices to render the rocking means effective to cause the throat to open.

2,138,483
ELECTRIC MOTOR
William H. Edmondson, Oak Park, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application May 20, 1937, Serial No. 143,769
12 Claims. (Cl. 171—252)



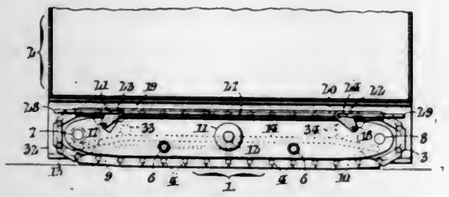
1. In an electric motor, a rotor, a shaft for the same, a core adapted to cooperate with said rotor, a pair of casing members which cooperate to enclose said core and rotor, a bearing member for said shaft in each of said casing members, spacing means of predetermined length, means for rigidly clamping said casing members in assembled relation with the spacing thereof fixed by said spacing means and for yieldably clamping said core within said casing members.

2,138,484
MOUNTING MECHANISM FOR VEHICLE BODIES
Irving N. Eustis, Fairmont, Minn., assignor to Fairmont Railway Motors, Inc., Fairmont, Minn., a corporation of Minnesota
Application January 22, 1937, Serial No. 121,778
3 Claims. (Cl. 105—224)



1. In a vehicle, an axle with traveling wheels, a body, and a mounting for said body comprising a bearing upon said axle, a member rigid with said body and extending downwardly therefrom, said member including upper and lower spaced apart walls arranged in vertical alinement, a rail skid rigid with said member, vertical guide members secured in said upper and lower walls, respectively, and clamped between said body and said rail skid, said guide members being arranged at opposite sides of said axle, a housing for said bearing, vertical guide openings in said housing at opposite sides of said axle, a guide bushing fixed in each of said guide openings and slidable upon one of said vertical guide members, and means for resiliently supporting said body upon said housing.

2,138,485
TRUCK
Robert Faries, St. Davids, Pa.
Application August 23, 1935, Serial No. 37,477
10 Claims. (Cl. 254—45)

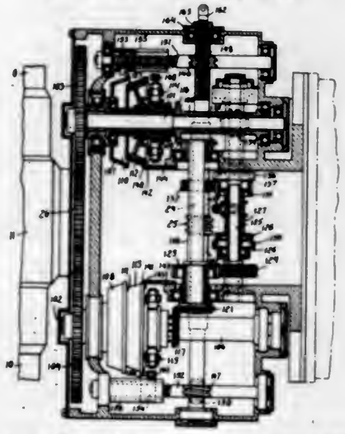


9. In a transfer truck of the character described, a pair of transversely-spaced interconnected horizontal side frames respectively having laterally-projecting longitudinal ledges with ramp ends; and a pair of endless tractor belts trained for movement around the edges of said frames in bearing contact with said edges.

2,138,486
PHOTOGRAPHIC DEVELOPER
Ernst Fournes and Hans Diamant-Eerde, Vienna, Austria
No Drawing. Application December 20, 1935, Serial No. 55,412. In Austria December 31, 1934
8 Claims. (Cl. 95—88)

1. A combined developer and fixer for silver-halide-gelatine emulsions comprising in combination, sodium thiosulphate, an organic developing agent, a caustic alkali, and a reducing sugar capable in the presence of said caustic alkali of yielding reaction products having a greater affinity for oxygen than the said sugar.

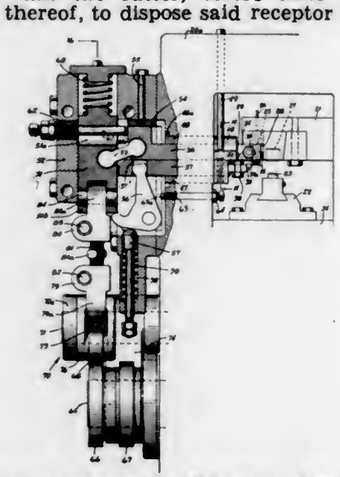
2,138,487
ADJUSTABLE PITCH PROPELLER
Achille Ernest Gaba, Paris, France
Application July 17, 1936, Serial No. 91,025
In France December 17, 1935
6 Claims. (Cl. 170—163)



1. In an adjustable pitch propeller assembly, a rotating propeller hub, a propeller blade mounted on said hub, blade-turning means for turning the blade substantially about its longitudinal axis to adjust the pitch of the blade, a transmission shaft for actuating the blade-turning means, a gear secured to the propeller hub in non-rotatable relationship therewith, two substantially parallel pitch adjustment drive shafts, a gear mounted on each of the pitch adjustment drive shafts, each gear being in engagement with the gear secured to the propeller hub, a clutch associated with one of the pitch adjustment drive shafts, a worm connected with and driven by said clutch, a corresponding worm gear mounted on the transmission shaft in engagement with said worm, whereby the transmission shaft is driven in a forward direction through said clutch, a second clutch associated with the other of the pitch adjustment drive shafts, and means connecting said second-mentioned clutch with the first-mentioned clutch, whereby said transmission shaft is driven in a reversed direction through said second-mentioned clutch, said means connecting said second-mentioned clutch and said first-mentioned clutch, and said worm and worm gear.

2,138,488
APPARATUS FOR FORMING METAL SLUGS
Albert H. Gaess, Waterbury, Conn.
Application December 4, 1936, Serial No. 114,144
32 Claims. (Cl. 29—34)

1. A mechanism for cutting off slugs from metal stock and having means for girthwisely confining the stock and through which means the stock is adapted to be periodically fed to advance an end-length of the stock beyond the same, the combination of a cutter reciprocable transverse to said advanced end-length to sever the same to produce a slug; receptor means carried by the cutter transversely thereof for girthwisely confining said end-length substantially from end to end thereof during its severance; and reciprocating means for the cutter, said means functioning to halt the cutter, before each severance stroke thereof, to dispose said receptor means in



position to receive said end-length when the stock is fed.

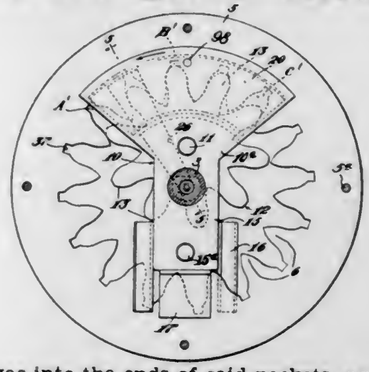
2,138,489
RAFTING DOG
William E. Gilkey, Anacortes, Wash.
Application April 19, 1937, Serial No. 137,821
4 Claims. (Cl. 9—15)



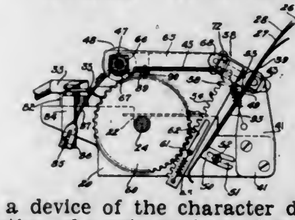
1. A rafting dog formed to provide an embedding fluke and a head portion integral therewith having an eye for the attachment of a tow line to the dog, the fluke being barbed with two barb-forming branches marginally defined in each instance by a horizontal shoulder and by front and rear edges, respectively, of the fluke, each of said shoulders being relatively flat and the shoulder of the rear branch being disposed in vertically off-set relation below the other shoulder, said front edge of the fluke being feathered to form a relatively sharp edge.

2,138,490
ROTARY INTERNAL COMBUSTION ENGINE
Cyrus W. Haller, Marblehead, Mass.
Substitute for application Serial No. 2,881, January 22, 1935. This application August 14, 1937, Serial No. 159,170
11 Claims. (Cl. 123—12)

1. Apparatus of the class described comprising an internally toothed annular member, a pinion member having teeth meshing with the teeth of the annular member, a support upon which the pinion member is rotatably mounted in eccentric relation to the annular member, a connection between the support and annular member permitting relative rotary movement between said support and said member, the teeth of said members being shaped to define successive pockets during said relative movement so that said pockets move through a region of minimum volume, said support being arranged to close the ends of said pockets, and means associated with the support to introduce a combustible gas into the ends of said pockets, and ignition means including a spark plug mounted on said support near the region of minimum pocket volume.

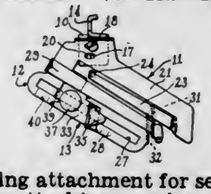


2,138,491
FEEDING AND ALIGNING DEVICE
Beulah Louise Henry, New York, N. Y.
Application August 9, 1937, Serial No. 158,079
19 Claims. (Cl. 197—127)



1. In a device of the character described the combination of a rotary platen for supporting a sheet; feeding means engageable with said sheets; a gear and rack for advancing said feeding means; a clutch associated with said gear and rack; and means for shifting said platen and for coordinately conditioning said clutch to actuate said gear and rack and thereby advance the feeding means.

2,138,492
ADJUSTABLE HEMMER ATTACHMENT FOR SEWING MACHINES
George L. Hinman, New Haven, Conn., assignor to The Greist Manufacturing Company, New Haven, Conn., a corporation of Connecticut
Application October 7, 1936, Serial No. 104,432
9 Claims. (Cl. 112—143)



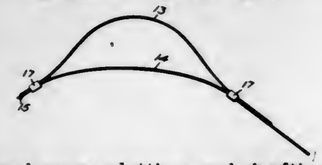
1. A hemming attachment for sewing machines comprising an attaching member, a base member carried thereby, an adjustable guide member slidable on said base member, the latter being provided with a guide block, and the guide member having a slot within which said block is received, said block comprising a tongue formed integrally with the base member and turned thereover to lie on the upper surface thereof.

2,138,493
TRACTION DEVICE
Viggo Jensen, Solrod, Denmark
Application April 6, 1936, Serial No. 72,859
In Denmark March 4, 1936
2 Claims. (Cl. 301—47)



1. In a motor vehicle, the combination in a flat ring detachably arranged on the outer side of each driving wheel transversely disposed and rigidly attached lug members on the outer surface of the ring with transversely disposed wings arranged for rotation on the outer surface of the ring between the rigid lug members, pivotal bearings for the said wings rigidly attached to the outer surface of the ring, means for turning the wings by hand in the bearings, and means for locking the wings when turned down in their inactive position along the outer surface of the ring.

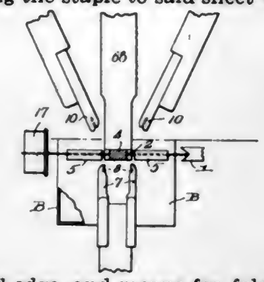
2,138,494
CURVE PLOTTING AND DRAFTING INSTRUMENT
Thomas B. Knox, Manchester, Mass.
Application November 21, 1936, Serial No. 112,097
1 Claim. (Cl. 33—177)



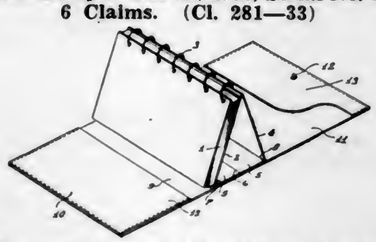
A manual curve-plotting and drafting instrument comprising a pair of similar normally flat elongated strip members each having a similar thickness of but a small fraction of their width and each being of substantial rigidity crosswise their flat faces but each similarly elastically flexible in the direction of their length, said strip members having a normal or non-use position wherein they lie flatwise one against the other in compact closed relation substantially as a unitary ruler-like device, interengaging formations at a corresponding end of each strip member for interconnecting them and limiting longitudinal movement of one member relative to the other at least in one direction at said ends, and one or more clip-like holding elements for adjustably clamping together said strip members at a like number of points spaced from their interengaged ends thereby to hold the strip members in various flexed positions of relative curvature into which they may be manipulated for curve-plotting and drafting purposes.

2,138,495
BOX FASTENER MACHINE
Arthur J. Lewis, Stratford, Conn., assignor to The Mason Box Company, Attleboro Falls, Mass., a corporation of Massachusetts
Application September 4, 1937, Serial No. 162,523
16 Claims. (Cl. 140—93)

1. A machine for applying wire fasteners to the edge of a sheet of material comprising cooperating jaw and anvil means having shoulders for forming a U-shaped staple with offsets intermediate the ends of the legs of the staple, means for applying the staple to said sheet with the offsets at said edge, and means for folding the free ends of the legs over said edge and offsets.

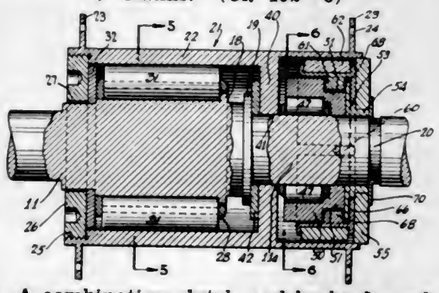


2,138,496
BOOKLET AND COVER MEANS
Sidney D. Light, Detroit, Mich.
Application September 28, 1936, Serial No. 102,947
6 Claims. (Cl. 281—33)



1. The combination of a booklet, a triangular support for said booklet one side of which comprises a backing for said booklet, another of which comprises a base jointed along a median line and the other of which is attached at one edge to said backing and along its other edge to said base, all of said sides being hingedly connected to the sides adjacent thereto, said support being connected at its base to a cover means for the two major sides of said booklet when said support is collapsed.

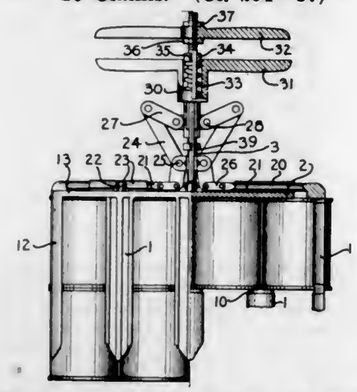
2,138,497
COASTER BRAKE
Ignatius Mackowiak, Burnham, Ill.
Application March 24, 1938, Serial No. 197,842
6 Claims. (Cl. 192—6)



1. A combination clutch and brake for velocipedes, comprising an axle for a wheel of the velocipede adapted to be rotated upon pedalling the velocipede, a cylindrical hub surrounding said axle and provided with means for connection with the spokes of said wheel, clutch means connecting one portion of said axle with said hub, another potrion of said axle being formed with a plurality of cams, a roller guide surrounding said cams and formed with a plurality of parallel slots,

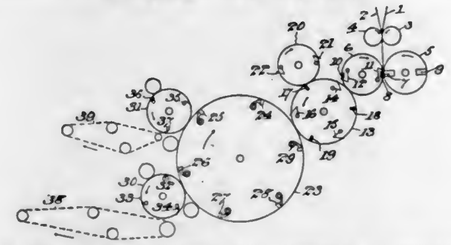
rollers in said slots, and annular ring surrounding said rollers and being formed with a pair of diametrically disposed cammed depressions, a pair of symmetrically disposed substantially semi-circular brake arms on opposite sides of said ring and each having a lug projecting into one of said depressions, said brake shoes having brake linings adapted to engage the inner surface of said hub upon rotating said spindle in reverse direction.

2,138,498
CAN LIFTER
Joe B. McMillan, La Conner, Wash.
Application August 2, 1937, Serial No. 156,927
16 Claims. (Cl. 294—87)



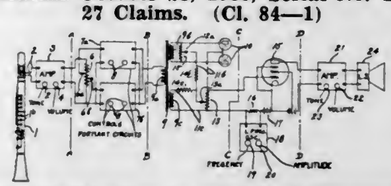
1. Mechanism to lift a group of cans or the like, in which group one or more cans are surrounded by other cans, comprising a support, a plurality of fingers carried by and depending below said support, and arranged in a pattern to enclose the group, and to engage the side of each outside can of the group, only, and means to press all said fingers inwardly, thereby pressing the outside cans into firm engagement with the inside cans.

2,138,499
SHEET COLLECTING AND FOLDING MECHANISM FOR PRINTING PRESSES
Joseph E. Meyer, Westerly, R. I., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware
Application September 14, 1937, Serial No. 163,717
7 Claims. (Cl. 270—47)



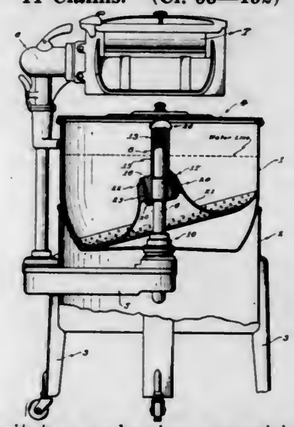
1. In a mechanism for cutting, collecting, folding and delivering the product of a single cycle of a change form cylinder rotary printing press into an even or an odd number of sheets or groups of sheets, rotary cutters, a collecting and folding cylinder coacting therewith to collect an even number of sheets or groups of sheets, a folding cylinder coacting with the collecting and folding cylinder, a collecting cylinder arranged to be brought into coaction with the collecting and folding cylinder, to collect an odd number of sheets or groups of sheets, and means for delivering the product.

2,138,500
APPARATUS FOR THE PRODUCTION OF MUSIC
Benjamin F. Miessner, Millburn, N. J., assignor to Miessner Inventions, Inc., a corporation of New Jersey
Application October 28, 1936, Serial No. 107,971
27 Claims. (Cl. 84—1)



1. In combination in a musical instrument: a single air column vibratable selectively at a plurality of pitches but whose vibration at any instant may be resolved substantially wholly into a series of harmonically related components, a mechanical vibrator arranged for vibration only conformably with said air column, an electric circuit responsive to said vibrator, and nonlinear means included in said circuit for altering qualitatively the response thereof to said vibrator.

2,138,501
WASHING MACHINE
Royal R. Miller, Detroit, Mich., assignor of one-half to Remi J. Gits, Chicago, Ill.
Application December 26, 1935, Serial No. 56,192
11 Claims. (Cl. 68—152)

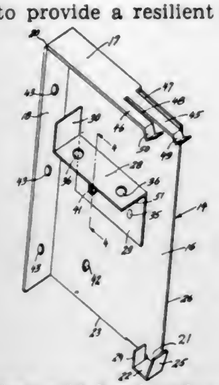


1. An agitator mechanism comprising a rotatable shaft, a journal on said shaft and secured thereto to rotate therewith, and an agitator having a hub rotatably journaled on said journal, said journal being disposed relative to said shaft with its axis at a predetermined angle with the axis of said shaft and intersecting the same within the body of said journal.

2,138,502
END SUPPORTING BRACKET FOR A VENETIAN BLIND HEAD BRACKET
John M. Nordstrom, Jr., New York, N. Y., and Jean N. Kirch, Chicago, Ill.
Application May 16, 1938, Serial No. 208,182
10 Claims. (Cl. 156—17)

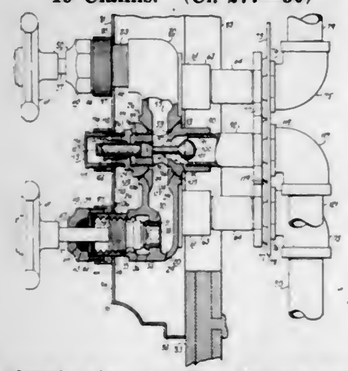
1. An end bracket for supporting one end of the head rail and valance of a Venetian blind comprising a side wall, a shelf on said side wall adapted to seat said one end of the head rail, a seat on said side wall arranged below and forwardly of said shelf adapted to seat said one end of the valance, and resilient means carried by said side wall arranged to provide said head rail

and valance to provide a resilient clamping ac-



tion for holding said head rail and valance in place.

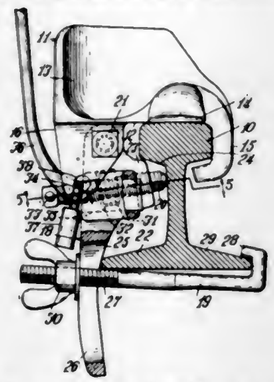
2,138,503
PLURAL-VALVE PLUMBING FIXTURE
John R. O'Brien, Long Island City, N. Y.
Application June 25, 1937, Serial No. 150,239
19 Claims. (Cl. 277—50)



1. A plural-valve plumbing fixture constructed and arranged for removable interposition between a source of water supply and outlets therefor including in combination: a hollow distributing-head having a plurality of control-valves organized therewith and controlling the outflow of water therefrom, the said distributing-head also having a water-inlet passage opening at an entry-end thereof to a source of water supply and communicating at its opposite end with the hollow interior of the distributing-head; and shut-off means including a valve-seat provided at the said entry-end of the water-inlet passage and cooperating valve-structure arranged substantially axially in line with the inlet-passage of the said distributing-head and normally positioned in non-sealing relation and operable from the forward face of the same to engage the said valve-seat to seal the said inlet-passage at the entry-end thereof against passage of water through the said inlet-passage to the interior of the distributing-head.

2,138,504
DERAILER
Emmons Overmier, La Grange, Sidney E. Bates, Chicago, and Thomas E. Rodman, Glencoe, Ill., assignors, by mesne assignments, to Poor & Company, Chicago, Ill., a corporation of Delaware
Application November 12, 1937, Serial No. 174,167
10 Claims. (Cl. 246—163)

1. In combination with a portable derail block adapted to be positioned on the head of a rail and having a depending angular abutment for embracing one side face and the adjacent under surface of a rail head at one side of the rail; means for removably clamping the block to the rail comprising an arm pivotally attached to the block and depending therefrom at the other side of the rail, an adjustable screw member extending

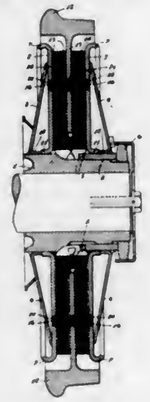


through the arm and adapted, upon movement of the arm toward the rail, to bear against the rail at a location beneath the head to clamp the derail block on the rail, and means engaging the said arm and engaging the rail flange on the first mentioned side of the rail for holding the arm and said adjustable screw clamped against the rail.

2,138,505
TEMPERATURE CONTROL SYSTEM
Paul B. Parks, Oak Park, Ill., assignor to Vapor Car Heating Company, Inc., Chicago, Ill., a corporation of New York
Application June 25, 1936, Serial No. 87,186
11 Claims. (Cl. 236—1)

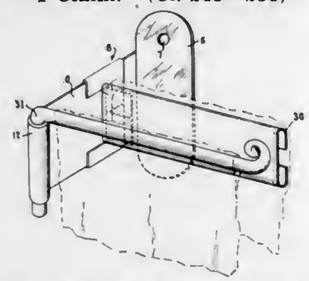
2. Mechanism for regulating the temperature within a space comprising a heating means, a cooling means, thermostatic means responsive to temperature changes within the space, thermostatic means responsive to temperature changes outside the space, and electrical connections between said several means whereby the heating means is controlled conjointly by the inside and outside thermostatic means when the outside temperature is below a predetermined minimum and the cooling means is controlled conjointly by the inside and outside thermostatic means when the outside temperature is above a predetermined maximum so as to maintain an inside temperature which is varied in accordance with outside temperature changes, and both the heating and cooling means are controlled by the inside thermostatic means when the outside temperature is between the minimum and maximum to maintain the inside temperature within predetermined narrow limits regardless of outside temperature changes.

2,138,506
WHEEL
Emil H. Piron, New York, N. Y., assignor, by mesne assignments, to Transit Research Corporation, New York, N. Y., a corporation of New York
Application April 8, 1935, Serial No. 15,151
10 Claims. (Cl. 295—11)



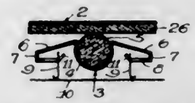
1. In a rail wheel, a hub portion, two parallel spaced plates thereon and relatively movable axially of said hub portion, a third plate for supporting a tire residing between said two plates, spring means separating said third plate and each of said two plates and each comprising a circular mass of elastic material having opposed parallel surfaces, a metallic disc surface-bonded to each of said surfaces, and dowel means integral with each of said discs, said plates provided with companion dowel means therein, said dowel means accurately and freely fitting said companion dowel means and constituting centering and load transfer means, and a nut threadable on said hub portion for drawing said two plates toward each other to maintain said dowel and companion dowel means in operative engagement.

2,138,507
CURTAIN AND DRAPE BRACKET
Immacolata Pisciotta, New York, N. Y.
Application July 6, 1937, Serial No. 152,179
1 Claim. (Cl. 248—254)



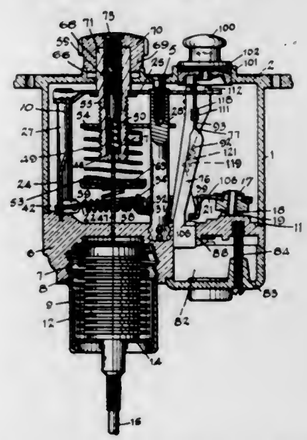
A combination bracket for supporting a set of window curtains and drapes disposed adjacent thereto, said bracket comprising a plate-like member having lugs formed from the substance of said member and integral therewith and located at an intermediate point on said member, said lugs being bent back against the side of said member and having portions thereof cut and bent whereby the bent portions are disposed in a common plane, said cut and bent portions presenting projecting elements disposed in a plane substantially perpendicular to the plane of said member and adapted to engagement with curtain supporting means, and means at one end of the bracket adapted to receive a support for drapes.

2,138,508
BOW CONSTRUCTION FOR AN AUTOMOBILE ROOF
Francis J. Plym and Joseph G. Hoffer, Niles, Mich., assignors to The Kawneer Company, Niles, Mich., a corporation of Michigan
Application March 20, 1936, Serial No. 69,911
3 Claims. (Cl. 296—118)



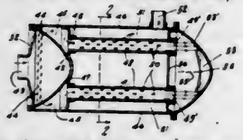
1. A metal bow for supporting the roof of an automobile or other vehicle, comprising a member adapted to span the top of the vehicle and formed to provide a longitudinally extending groove for retaining an insulating medium and outwardly and downwardly extending flanges having their outer ends bent inwardly, and means on the outer ends for anchoring the interior trim of the body to the bow.

2,138,509
MULTIPLE CONTROL SWITCH
Estel C. Raney, Columbus, Ohio, assignor to Ranco Incorporated, a corporation of Ohio
Application April 29, 1932, Serial No. 608,319
8 Claims. (Cl. 200—81)



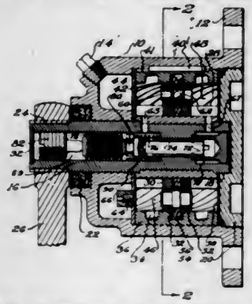
1. In a thermostatic switch, an enclosing shell, a contact for opening and closing an electric circuit, means for opening and closing the contact in response to temperature variation, an overload current operating means, a manual operative member extending through the switch shell and operated by the said overload means, said member having a distinctive colored part disposed outside of the surface of the shell when the switch is opened due to overload current and covered by the shell when the switch is in the normal operating position.

2,138,510
MUFFLER
Carl F. Rauen, Grosse Pointe, Mich.
Application February 10, 1930, Serial No. 427,312
Renewed September 21, 1937
32 Claims. (Cl. 181—59)



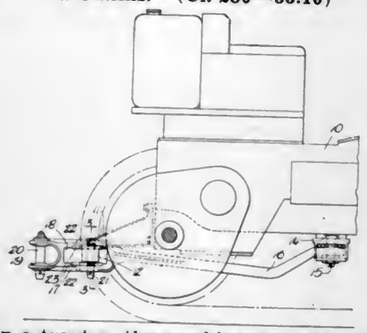
1. A silencer for exhaust gases comprising a muffling unit through which the exhaust gas stream flows on its way to atmosphere and having provision at one end thereof for connection to the exhaust pipe of an engine, said muffling unit having in combination a tube of substantially uniform cross sectional area and through which sound entrained gas flows, said tube being provided with an exhaust gas inlet opening at one end thereof, an outlet opening in the walls thereof, said outlet opening comprising a series of relatively small openings extending axially and circumferentially of said tube, and a further outlet opening at the other end thereof, one of said outlet openings constituting an exhaust gas outlet having communication with atmosphere, the other outlet opening constituting a sound energy outlet, means providing a sound trap chamber, said chamber being acoustically coupled to said sound energy outlet in such a way as not to form part of the path traversed by the major portion of said gas on its flow through said unit, and having a cross sectional area substantially greater than that of said sound energy outlet immediately adjacent said outlet.

2,138,511
SHOCK ABSORBER
Walter C. Robbins, Bridgeport, Conn., assignor to Frank P. Scully, Cambridge, Mass., and Harry B. Curtis, Bridgeport, Conn., as trustees
Application March 16, 1938, Serial No. 196,188
5 Claims. (Cl. 188—88)



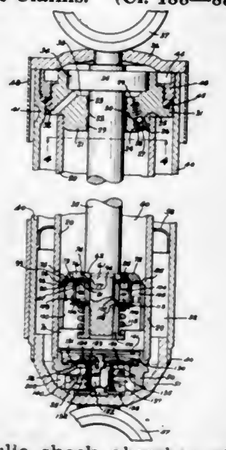
1. A shock absorber, comprising a casing having a fluid chamber therein, a hollow shaft extending into the chamber, an arm connected to the shaft, a piston keyed to the shaft to oscillate therewith, connections between the piston and the peripheral wall of the chamber to cause oscillation of the piston to traverse the latter lengthwise of the chamber, fluid passages connecting the longitudinal bore of the shaft with the fluid chamber at opposite sides of the piston, a fixed valve having a metering port mounted in the hollow bore of the shaft, a sleeve slidingly received within the valve to adjust the exposure of the port, a bellows thermostat seated within the hollow bore of the shaft and connected with the sleeve to move the latter in accordance with temperature changes, fluid openings in the sleeve to cause passage of fluid therethrough, and means for anchoring one end of the bellows thermostat lengthwise of the shaft.

2,138,512
DRAWBAR STRUCTURE
Clifford R. Rogers, Oak Park, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application August 6, 1936, Serial No. 94,604
2 Claims. (Cl. 280—33.10)



1. In a tractor, the combination of a supported transverse draw-bar guide member, a draw-bar pivotally mounted at its front end, the rear portion of said draw-bar having a transversely arranged guide opening for receiving said guide member and being elongated in a fore and aft direction to permit free lateral pivotal movement of said draw-bar, wear plates respectively disposed above and below said draw-bar and being longitudinally movable in said guide opening and slidably engaging said draw-bar and said guide member to maintain maximum bearing surface contact throughout the range of lateral movement of said draw-bar, said wear plates and said draw-bar having cooperating engaging portions to prevent undue lateral displacement therebetween.

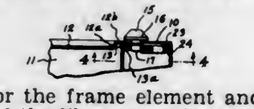
2,138,513
SHOCK ABSORBER
Edwin F. Rossman and Frederick D. Funston, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 29, 1937, Serial No. 156,275
12 Claims. (Cl. 188—88)



1. A hydraulic shock absorber of the direct-acting type comprising, in combination, a cylinder; a piston in said cylinder, said piston having

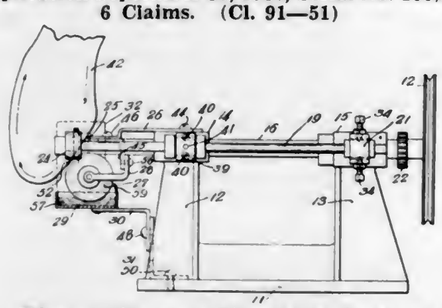
a plurality of fluid passages; a flat and flexible disc-valve engaging each end of the piston normally to close certain of said piston passages, each disc-valve requiring to be flexed to open its respective passages; a resilient disc engaging the one disc-valve to resist its flexing; and means comprising a rigid member urged against the other disc-valve by a coil spring, for resisting the flexing of said other disc-valve.

2,138,514
CATCH
William Shoemaker, Dayton, Ky., assignor to Decometal Incorporated, Dayton, Ky., a corporation of Kentucky
Application July 3, 1937, Serial No. 151,912
1 Claim. (Cl. 292—175)



A catch for the frame element and closure of compacts and the like comprising a pin having a head to cooperate with said closure and a necked portion, a spring, said pin slidable laterally through an elongated hole in said frame element, the spring being of the leaf type and having a slotted element to cooperate with the necked portion of said pin to hold the same in place within said elongated hole, and said spring urging the pin into operative position to releasably hold said closure closed upon said frame element.

2,138,515
APPARATUS FOR BLACKING THE EDGES OF SOLES FOR SHOES
Albert V. Shortell, Manchester, N. H.
Application September 30, 1937, Serial No. 166,611
6 Claims. (Cl. 91—51)



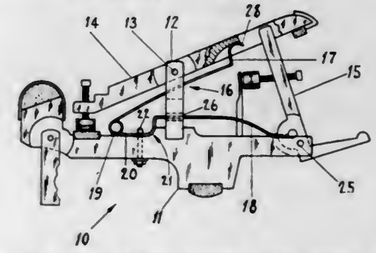
1. Edge-coating apparatus of the character described, comprising opposed feed rolls for gripping the margin of a sole and moving said margin lengthwise, guides bearing against the edge of the sole at opposite sides of the point of contact of the feed rolls, to cause the sole to turn peripherally under action of the feed rolls, one of said guides being a roller for coating the sole edge, and a reservoir for coating liquid located to receive said roller.

2,138,516
INSECTICIDAL COMPOSITION
Robert L. Sibley, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application October 16, 1936, Serial No. 106,013
10 Claims. (Cl. 167—24)

1. An insecticide having as an active ingredient a material selected from the class consisting in rotenone and pyrethrum compositions and a preservative thereof selected from the class consisting in diaryl arylene diamines, aldehyde derivatives thereof, and the product obtained by reacting a diaryl arylene diamine with an aldehyde and an alcohol.

10. An insecticide having as an active ingredient a material selected from the class consisting in rotenone and pyrethrum compositions and a preservative thereof comprising a reaction product of substantially one molecular proportion of diphenyl p-phenylene diamine and substantially two molecular proportions each of formaldehyde and butyl alcohol.

2,138,517
PIANO-ACTION SPRING
Martinus Sieveking, New York, N. Y.
Application March 18, 1937, Serial No. 131,544
2 Claims. (Cl. 267—1)

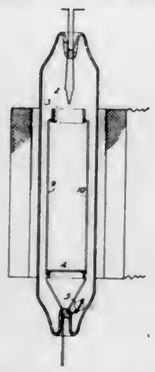


1. In a grand piano action comprising a support having a fixed flange and a pivotally mounted jack and a repeating lever, said flange having a through aperture at its lower end and said support having a curved seat; a spring made of a single length of wire and having a looped end and upper and lower sections having free ends, said upper section having its free end in flexed and slidable engagement with the repeating lever, a lower section passing freely and in non-contacting relation through said flange aperture and having its free end in flexed and slidable engagement with the jack. said looped end being substantially unsupported and freely flexible, said looped end having a linear extension and a curved portion resting in said curved seat, said curved portion terminating in a substantially upright direction and joining said lower section, said extension being adapted to be clamped to said support at said curved portion at one point, whereby said spring is freely slidable at both ends and fixed at only one intermediate point.

2,138,518
GASEOUS CONDUCTION APPARATUS
Charles G. Smith, Medford, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application May 28, 1928, Serial No. 281,175
Renewed November 23, 1933
23 Claims. (Cl. 250—27.5)

1. A space discharge device comprising a gas-tight vessel containing a thermionic cathode and an anode separated by a path of substantial distance, magnetic means for producing a flux in said path and parallel thereto, and a gas in said vessel, said path being sufficiently long and said gas during operation being maintained at a pressure sufficiently low to prevent appreciable ionization of the gas from occurring and an appreciable current from passing between said anode and cathode at applied voltages in excess of

ionization voltages of the gas in absence of said magnetic flux, said pressure being sufficiently high, however, to produce, in the presence of said magnetic flux, copious ionization of said gas



through said path sufficient to maintain a relatively large space current between said cathode and anode at a voltage of the order of the ionization voltage of the gas or less.

2,138,519

CYANIDE MANUFACTURE

Walton Barr Tanner, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 17, 1936, Serial No. 75,018
8 Claims. (Cl. 23—79)

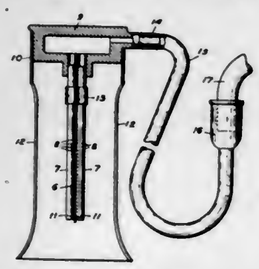
1. A process for converting finely divided, solid alkali metal carbonate to the corresponding cyanide comprising agitating said carbonate by means of a stirring device moving through the mass at a speed of about 3 to 75 inches per minute while contacting said carbonate with the vapor of a cyanide-forming compound at a temperature of 425–500° C., and maintaining said temperature throughout the entire reaction.

2,138,520

RAZOR BLADE SHARPENING METHOD AND MEANS

Charles Elliot, Diablo, Calif.

Application August 16, 1937, Serial No. 159,349
7 Claims. (Cl. 51—278)



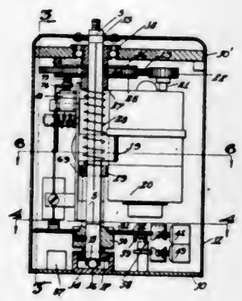
1. A device for holding and sharpening razor blades which comprises a pair of tubes arranged at opposite sides of a razor blade in a manner to extend across the blade and clamp against the blade to hold the same and provided with openings arranged to direct fluid under pressure from the tubes against opposite sides of the edge of the blade so as to sweep outwardly over its edge.

2,138,521

DOOR OPERATING DEVICE

Charles A. Ellis, Natick, Mass., assignor of fifty-one one-hundredths to Charles E. Marshall, Hopkinton, Mass.

Application October 3, 1935, Serial No. 43,376
15 Claims. (Cl. 268—65)



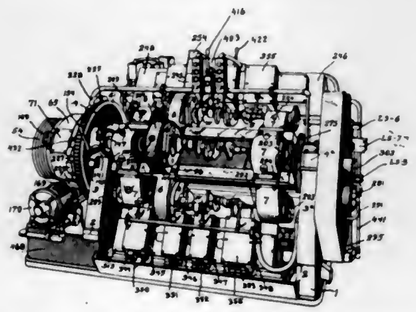
1. In an electrical door actuating device, a driving motor, a driven member actuated thereby for moving a door, an automatically operating clutch member to provide for swinging movement of the driven member independently of the driving motor when the torque on the driving motor exceeds a predetermined amount, means responsive to swinging movement of said driven member for reversing the direction of movement thereof when the door reaches normal open position, and inertia controlled means independent of said first means for reversing the swinging movement of the door in any position thereof by a slight manual swinging movement of said door, said swinging movement being possible by reason of the automatically operating clutch.

2,138,522

FOUR-SPINDLE DRUM TYPE CRANKSHAFT LATHE

William F. Groene and Walter R. Meyer, Cincinnati, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware

Application May 16, 1936, Serial No. 80,204
45 Claims. (Cl. 29—38)



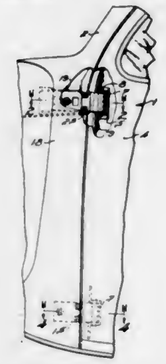
1. A multiple spindle machine comprising a rotatable carrier member, a series of work spindles each having a center drive chucking device and centers mounted on the carrier member, tools located at indexed stages adapted to engage work pieces held in the chucking devices, means for rotating the carrier member selectively to said stages, and means for rotating the chucking devices at said stages.

2,138,523

VEHICLE BODY CONSTRUCTION HAVING CONCEALED DOOR HINGES

Alfred H. Haberstump, Detroit, Mich., assignor to The Murray Corporation of America, a corporation of Delaware

Application August 30, 1935, Serial No. 38,592
7 Claims. (Cl. 296—44)



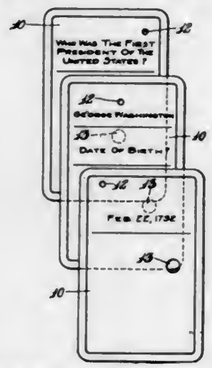
7. Means for mounting the front door of an automobile body on the adjacent door pillar and cowling comprising a hinge pintle carried within the jamb face of the door, and a hinge wing journalled on said pintle having a portion offset substantially in the jamb face of said door and having a portion extending longitudinally forward and secured to both said door post and said cowling internally of said cowling.

2,138,524

EDUCATIONAL GAME

James J. Harkins, Wheeling, W. Va.

Application January 12, 1938, Serial No. 184,608
1 Claim. (Cl. 35—9)



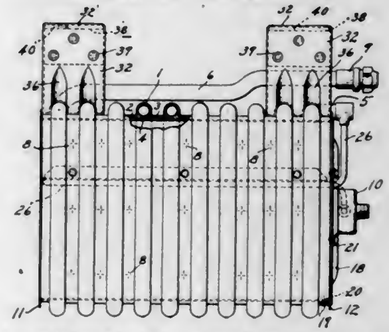
In a set of playing cards bearing questions and answers printed on their faces, some of which answers are incorrect, each of said cards having an aperture provided in its face at a different position laterally and longitudinally from that of the other cards, and a second aperture provided in the face of each card at a different position laterally and longitudinally from that of the other cards at a spaced distance from said first aperture and at a spaced distance and direction from the center of gravity of said card when freely suspended from said first aperture, the second mentioned apertures of the cards bearing the correct answers being so located as to register when freely suspended from the first mentioned apertures and the corresponding apertures of the cards bearing the incorrect answers being so located as not to register when freely suspended from the first mentioned apertures.

2,138,525

EVAPORATOR

William W. Higham, Detroit, and Stanley H. Morse, Dearborn, Mich., assignors to Universal Cooler Corporation, Detroit, Mich., a corporation of Michigan

Application June 29, 1936, Serial No. 87,828
23 Claims. (Cl. 62—126)



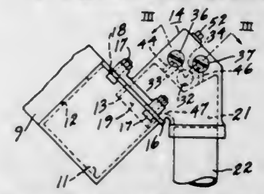
1. An evaporator for a refrigerator comprising, an extruded metal strip of relatively great length having a tubular portion and oppositely extending flanges thereon, said metal strip being fashioned into a plurality of coils, with the flanges of successive coils cooperating to form a solid wall.

2,138,526

SANDING APPARATUS

Augustus Nation, Birmingham, Ala.

Application February 8, 1937, Serial No. 124,538
4 Claims. (Cl. 291—11)



1. In a sanding apparatus, a sand chamber forming a sand trap and having an inlet and outlet for the passage of sand, a casing having a sand passageway leading upwardly and thence downwardly from the outlet provided in the sand trap, an air chamber provided in said casing, threaded plug chambers formed in the casing, threaded plugs having air passageways from adjacent one end to the other end formed therein and adapted to be positioned in the plug chambers, said plugs being mounted in the side of the casing and freely removable therefrom for cleaning, an air nozzle for directing air from one end of one of the plug chambers into the sand chamber, an air nozzle for directing air from one end of another plug chamber into the sand passageway and towards the outlet thereof, and passageways leading from the air chamber to adjacent the other end of the plug chambers.

2,138,527

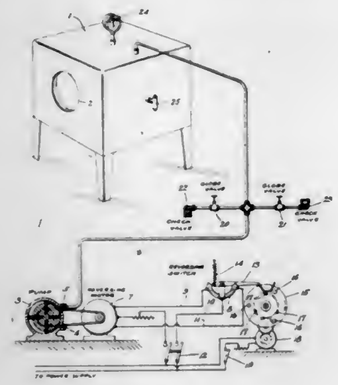
VARIABLE PRESSURE APPARATUS

Alexander I. Newman, Chicago, Ill.

Application June 6, 1935, Serial No. 25,232
2 Claims. (Cl. 230—42)

1. In a pneumatic system for producing a periodically varying pressure, the combination of a reversible pump having two ports, means for

permanently connecting one of said ports to a container in which the pressure is to be periodically varied above and below a median value, the other of said ports being permanently open to atmosphere, a reversible electric driving motor



operatively connected to said pump for driving the same in first one direction and then the other to cause a corresponding alternate flow of air into and out of said one port, and control means for periodically reversing said power actuating means with a predetermined periodicity.

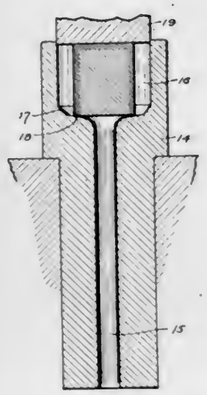
2,138,528

METHOD OF FORMING A VALVE

Goddie F. Phillipps, Battle Creek, Mich., assignor, by mesne assignments, to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Original application February 10, 1932, Serial No. 592,031. Divided and this application January 23, 1933, Serial No. 652,987

4 Claims. (Cl. 207—10)



1. The process for the manufacture of bodies of several metal layers, consisting of providing a cylindrical core of hard metal of the class including iron and steel, with a coating of uniform thickness of a metal of similar hardness of the class including iron and steel alloys, for instance, chrome nickel steel, placing the coating around the core, heating this composite body and extruding the heated body.

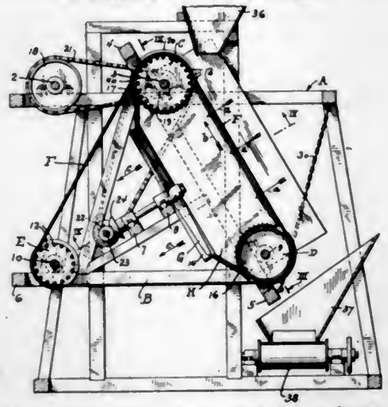
2,138,529

HOP SEPARATOR

Edouard Thys, San Francisco, Calif.

Application June 9, 1936, Serial No. 84,309

4 Claims. (Cl. 209—45)



1. A mechanism for separating hops from leaves, stems and other foreign material comprising an endless pervious belt disposed at an inclination, a pulley at each end to support and drive the belt and to separate the belt into upwardly and downwardly traveling belt sections, means for depositing hops, leaves, etc., at the upper end of the upwardly traveling belt section, a fan housing disposed between the pulleys and between the upwardly and downwardly traveling belt sections at the under side of the upwardly traveling belt section and having an inlet substantially coextensive with the upwardly traveling belt section, and an axial flow fan in said housing having its axis of rotation substantially at right angles to the plane of the upwardly traveling belt section, and means for rotating the fan to produce suction on the upwardly traveling belt section to cause leaves and other foreign matter to adhere thereto and to discharge a blast of air directly against the downwardly traveling belt section to release the leaves and other foreign matter.

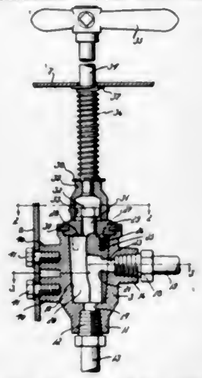
2,138,530

VALVE AND MOUNTING THEREFOR

George Wagner, Detroit, Mich.

Application December 19, 1935, Serial No. 55,134

2 Claims. (Cl. 137—139)



1. In a device of the class described, adapted for use with spaced apart parts, one positioned above the other, a valve housing fixedly mounted on the lower of said parts; a valve mechanism in said housing; a cap for said housing; a valve

stem projecting upwardly from said mechanism through said cap and beyond said housing; an operating rod slidably projected through the upper of said stationary parts and movable axially relatively thereto; a head on the lower end of said operating rod having a pocket formed therein for engaging over the end of said valve stem and adapted upon rotation, while in engagement over the end of said valve stem, for rotating said valve stem in unison therewith, said pocket being of greater depth than the outwardly projecting portion of said valve stem for permitting the engagement of said pocket bearing head with said cap; and a spring mounted on said operating rod and normally maintaining the same moved axially for retaining said head in engagement with said cap.

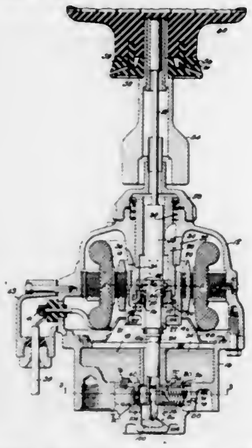
2,138,531

SPINNER MOTOR

Arthur G. Wise, Clyde W. Mapes, and William A. Chryst, Dayton, Ohio, and Henry O. Fuchs, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application January 2, 1937, Serial No. 118,858

22 Claims. (Cl. 117—27.6)



1. A spinner motor comprising, in combination, a motor frame; a stator on the frame; a rotor; a rotary shaft carrying the rotor; a bearing journalling the shaft centrally of the rotor, said bearing being carried by the frame and providing a pivotal support for oscillatory movement of the shaft; a bucket carried at one end of the shaft; a certain mass carried by the shaft and substantially rigidly connected thereto, said mass being so distributed around the shaft that the difference between the combined transverse and axial moments of inertia of the bucket and mass is very large; and a damper to resist oscillation of the shaft.

2,138,532

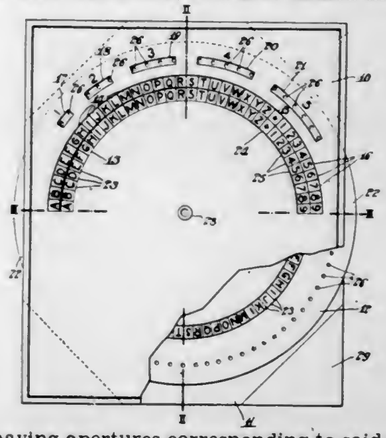
CRYPTOGRAPHIC DEVICE

James C. Wobensmith, Philadelphia, Pa.

Application September 11, 1935, Serial No. 40,170

15 Claims. (Cl. 35—2)

1. A cryptographic device comprising a fixed member and a member movable with respect thereto, one of said members having character indicia thereon, the other of said members having an opening with character indicia therealong for alinement with said other character indicia, said last named member also having a slot of a length to correspond to a predetermined number of said characters, said first named member



also having apertures corresponding to said characters and in alinement with said slot.

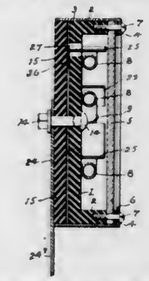
2,138,533

DIRECTION SIGNAL FOR MOTOR VEHICLES

Earl C. Akers, Detroit, Mich.

Application July 22, 1936, Serial No. 91,826

7 Claims. (Cl. 177—329)



5. A direction signal device including a housing having an insulating back wall, a gas filled light tube mounted within said housing against said back wall, a shield strip projecting forwardly within said housing over and adjacent to the upper side of said tube and having bendable projections along one edge, said back wall being formed with openings to receive said bendable projections, the area of said openings being greater than the cross sectional area of said bendable projections to permit of adjustment of said projections within said openings and the adjustment of said strip relative to said tube, said projections being bendable into contact with the rear face of said wall to hold said strip in place against the forward face of said wall, and an insulating plate detachably secured to said back wall over the openings therein, and means for securing said plate to said wall with said bendable projection on said strip clamped therebetween.

2,138,534

AUTOMATICALLY OPERATED GEAR SHIFTING MECHANISM

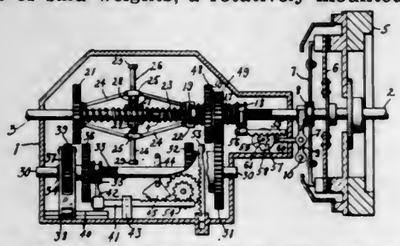
Clyde D. Buck, Fremont, Ind.

Application August 31, 1936, Serial No. 98,713

8 Claims. (Cl. 192—3.5)

1. In a transmission mechanism, a housing, a drive shaft extending into the housing, a clutch mechanism and operating lever therefor associated with an engine, a propeller shaft extending into said housing alined with and abut-

ting said drive shaft, the abutting end portions of said shafts having splines made therein, a sleeve on said drive shaft engaged with the splines therein and being movable axially into engagement with the splines in said propeller shaft, said sleeve having a grooved collar at each end thereof and external splines, a pair of step gears on said sleeve having splined relation therewith, compression springs on said sleeve disposed respectively between said collars and the corresponding ends of said sleeve, a gear secured on said propeller shaft, another compression spring upon the drive and propeller shafts disposed between said sleeve and the propeller shaft gear, a centrifugal governor having weights and arranged to rotate with the propeller shaft and having connection with said sleeve to effect axial movement thereof, a guide member having radial rods that project loosely through said weights provided with springs to cushion inward movement of said weights, a rotatively mounted disc



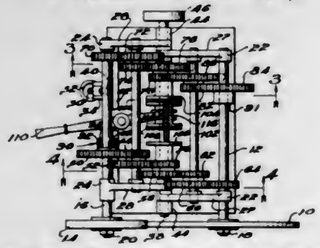
having a series of notches in its periphery, a push member, one end of which bears against the periphery of said disc and the other end thereof has engagement with said operating lever for said clutch mechanism, a shifter mechanism operatively connecting said sleeve and disc, a countershaft mounted in said housing provided at one end with step gears cooperative with the step gears on said sleeve selectively engageable therewith, a second sleeve splined on the opposite end of said countershaft, gears secured on said second sleeve, a frame on said second sleeve provided with a pinion meshed with one of the latter gears, the other of said latter gears and said pinion being adapted to mesh with the propeller-shaft gear selectively by adjustment of said second sleeve, a manually-operated shifter for said second sleeve, and a stop mechanism automatically actuated by the manually-operated shifter arranged to prevent movement of said step gears out of low gear position when said second sleeve is moved into reverse gear position.

2,138,535

MACHINE FOR GRINDING AND FINISHING CYLINDERS

Kirke W. Connor, Detroit, Mich., assignor to Micromatic Hone Corporation, a corporation of Michigan

Application September 12, 1935, Serial No. 40,231
3 Claims. (Cl. 51—105)



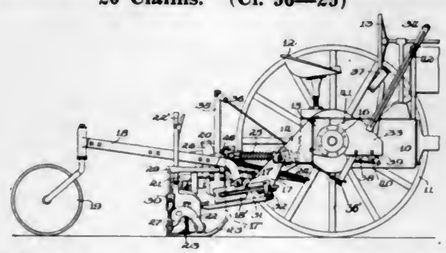
1. A machine for running a cylinder in engagement with an abrasive wheel to finish the former comprising means for rotatably supporting said cylinder, means for rotatably supporting said wheel, a common source of power for said cylinder and wheel, a first train of gears interconnecting said cylinder and wheel, a second train of gears interconnecting said cylinder and wheel, and means for selectively connecting said trains of gears to said source of power.

2,138,536

MOWER

Charles F. Crumb and Samuel E. Hilblom, Chicago, Ill., assignors to International Harvester Company, a corporation of New Jersey

Application June 19, 1937, Serial No. 149,169
20 Claims. (Cl. 56—25)



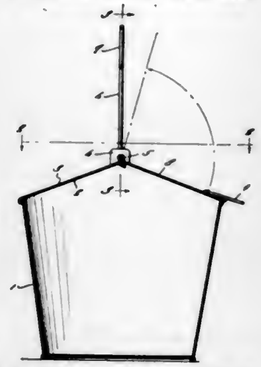
1. In a mower attachment for connection to a tractor in which a support is carried on the tractor, a frame on the support, a coupling-bar pivoted to the frame, a yoke on the coupling-bar, and a cutter bar hingedly associated with the yoke, the combination with the cutter bar of lifting mechanism therefor comprising a lever movable on the tractor, connecting means between the lever and the cutter bar for raising the cutter bar, a second lever movable on the tractor, and means interconnecting the two levers interconnected with the first lever whereby operation of either of the levers operates the aforesaid connecting means for raising the cutter bar.

2,138,537

MILK PAIL

Antoni Bernat, Tewksbury, Mass.

Application March 19, 1938, Serial No. 197,018
2 Claims. (Cl. 31—50)



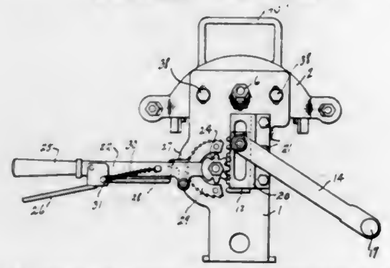
1. A milk pail comprising a body open at its top, ears rising from the upper portion of the body on diametrically opposite sides thereof, a rod mounted in the ears and extending therethrough, a bail journalled on the end portions of said rod and including an arcuate handle portion, a swinging cover section hingedly mounted on the rod, and a substantially U-shaped handle mounted on the free end portion of said cover section and projecting therefrom and adapted to be positioned adjacent the handle portion of the bail when said cover section is in open position.

2,138,538

DESTRUCTIBLE DRUM OPENER

James W. Fluharty, Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application April 30, 1937, Serial No. 140,034
8 Claims. (Cl. 30—15)



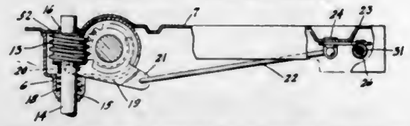
7. A portable drum opener comprising a guide frame having a rotary cutter, a guide roller and a U-shaped guide member mounted thereon on each side of said cutter and substantially in a line with its cutting edge for engagement with a drum rim, a vertical frame adjustably attached to said guide frame having a frictional guide shoe at its lower end for engagement with a drum, and a gripping roller carried thereby, a rack and gear mechanism for shifting the gripping roller, a ratchet and pawl mechanism for locking the gripping roll and rack mechanism in operative relation and means for rotating the gripping roller.

2,138,539

COMBINED WINDOW OPERATOR AND LOCK

John B. Flynn, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application April 13, 1936, Serial No. 74,067
10 Claims. (Cl. 268—119)



1. In a window assembly comprising a window opening and a window panel arranged to be moved to closed position, in combination an operator for moving the window to closed position, a lock for locking the window panel in closed position, the said window panel operator comprising rotatable driving worm and driven worm gear members, operative connections between the rotatable driven worm gear member and the window panel whereby the driven member is stationary when the window panel reaches closed position, a shiftable member operative only when the window panel is closed and the driven worm gear member stationary, operative connections between the shiftable member and the lock, the said shiftable member being operatively connected with the rotatable driving worm member whereby only after the window panel reaches closed position and the driven worm gear member is stationary further rotation of the driving worm member shifts the shiftable member and operative connections to throw the lock into interengagement with the closed window panel.

2,138,540

BUTYL ESTERS OF ALPHA, ALPHA-DIMETHYL-ALPHA'-CARBOXYDIHYDRO - GAMMA-PYRONE AND TO PROCESS FOR MAKING THE SAME

Jared H. Ford, Washington, D. C., assignor to Kilgore Development Corporation, Washington, D. C.

No Drawing. Application November 30, 1936, Serial No. 113,532
9 Claims. (Cl. 260—333)

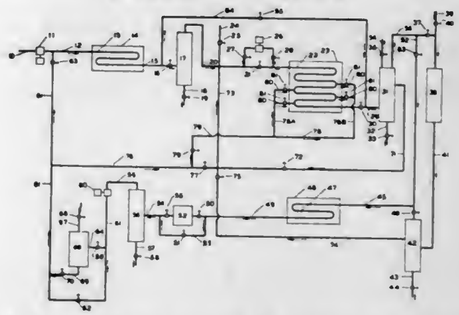
9. The normal-, secondary-, and iso-butyl esters produced by condensing mesityl oxide with the corresponding dibutyl esters of oxalic acid by means of a condensing agent selected from the group consisting of metallic sodium and the corresponding sodium butoxides.

2,138,541

PROCESS FOR CONVERTING HYDROCARBONS

Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application August 17, 1936, Serial No. 96,509
8 Claims. (Cl. 196—10)



3. A multistage process for converting a normally gaseous hydrocarbon mixture containing both paraffins and olefins into normally liquid hydrocarbons suitable for motor fuel, which comprises subjecting in a first stage a predominantly paraffinic hydrocarbon mixture to heat and pressure effecting thermal conversion thereof and the production therefrom of olefins and of normally liquid hydrocarbons, separating said normally liquid hydrocarbons from the thermally converted mixture and discharging them from the process, passing the remaining hydrocarbon mixture to a second stage where other normally liquid hydrocarbons are produced by catalytic polymerization, separating from the effluents of said second stage a first fraction consisting of normally liquid hydrocarbons and discharging said normally liquid hydrocarbons from the process, separating also a second fraction consisting of hydrocarbons of three and more carbon atoms per molecule and returning said second fraction to the aforesaid first conversion stage, subjecting a part of the remaining effluents from said second stage to pyrolysis in a third stage to produce olefins by pyrolysis, and finally passing said olefins to the aforesaid first stage.

2,138,542

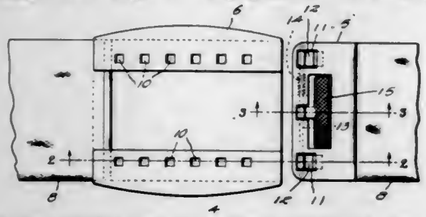
BUCKLE

Isidore Goldberg, Brooklyn, N. Y.

Application January 26, 1938, Serial No. 187,067
1 Claim. (Cl. 24—206)

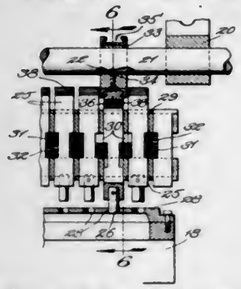
A buckle of the class described, comprising a female member fashioned with longitudinally

spaced channeled sections provided with a plurality of spaced catches extending within said sections, a male member slidable within said sections, a shaft journaled in said male member, spaced dogs fixed on said shaft adjacent the ends of the latter for engagement with said catches, a coil spring on said shaft for maintaining said dogs in engagement with a pair



of said catches to prevent movement of said male member in one direction and permit movement thereof in the opposite direction, and a finger piece fixed on said shaft between said dogs and extending between said sections for releasing said dogs from said catches to permit withdrawal of said male member from said sections.

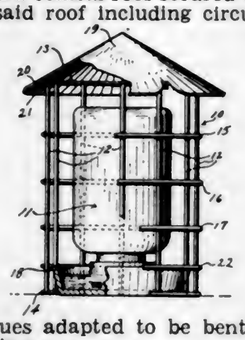
2,138,543
PUNCH AND SHEARING MACHINE
Marcellin L. Grappe, Columbia Heights, Fair Lawn, N. J.
Application January 11, 1938, Serial No. 184,475
7 Claims. (Cl. 164—86)



1. A machine of the character described comprising a frame having a bed, an upstanding head on said frame above the bed, a plunger rack above said bed, spring tensioned plungers working within the rack, punches carried by said plungers, a shaft rotatably mounted on said head above the plungers, an actuating eccentric slidably keyed to said shaft, a coupling block selectively engageable with the plungers and actuated by the eccentric for imparting stroking action to the said plungers, means for imparting movement to the shaft, spacer pieces in the rack between the plungers, and springs arranged in clearances in said spacer pieces and housed in adjacent plungers for tensioning action thereon.

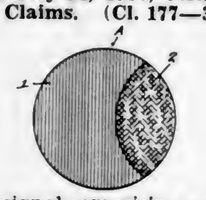
2,138,544
POULTRY FOUNTAIN CAGE
Alexander Gulla, Beaver, Pa.
Application August 4, 1937, Serial No. 157,401
1 Claim. (Cl. 119—51)

A cage for poultry drinking fountains or the like comprising a wire structure of a size to house the fountain, consisting of a plurality of vertically spaced bars, a ring member fixed to the upper and lower ends of the bars, ring members fixed to the bars intermediate the upper and lower bars, one of the ring members being spaced only sufficient distance above the upper edge of a tray within the cage to admit the head of a fowl or chick therebetween, and a conical roof secured to the uppermost ring, said roof including circumferentially



spaced tongues adapted to be bent around the uppermost ring.

2,138,545
TRAFFIC SIGNAL LENS
Herbert H. Hess, Whitestone, N. Y.
Application May 14, 1937, Serial No. 142,707
2 Claims. (Cl. 177—327)

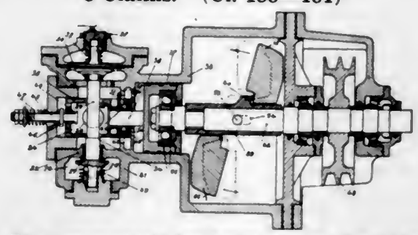


1. A traffic signal comprising a solid body having its major portion of one color and a smaller portion of another color, one color starting where the other color terminates and the smaller portion being located on a side portion of the body to indicate a turn in the direction of said smaller portion.

2,138,546
THERAPEUTIC PREPARATION OF COLLOIDAL SULPHUR
Raymond L. High, Philadelphia, Pa.
No Drawing. Application December 20, 1935, Serial No. 55,414
3 Claims. (Cl. 167—72)

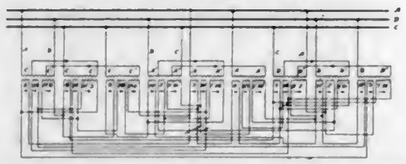
2. A new composition of matter comprising a colloidal emulsion of elementary sulphur, a protective dispersing agent of lecithin, and an oleaginous base.

2,138,547
PNEUMATIC BRAKING DEVICE
Georges Emile Houplain, Paris, France
Application March 5, 1937, Serial No. 129,260
In France March 7, 1936
8 Claims. (Cl. 188—181)



1. In a pneumatic braking system for railways and the like, a braking cylinder, a device for controlling the braking effort produced by said cylinder and comprising an inlet valve and an outlet valve, a centrifugal governor actuated by the wheel of the car, means for maintaining the inlet valve open by this centrifugal governor when the speed of rotation of the wheel is sufficiently high and for setting this valve free when the speed decreases, means for maintaining this valve closed as soon as it has been set free, a piston controlling the opening of the outlet valve, means for actuating said piston in opposite directions by the air pressure and by the centrifugal governor.

2,138,548
CONNECTION SYSTEM FOR PRIMARY WINDINGS OF TRANSFORMERS FOR USE IN COMMUTATOR TYPE CONVERTERS
Sadayosi Kuroda, Ganmiti-tyo, Nagoya-si, Japan
Application December 12, 1936, Serial No. 115,645
In Japan May 23, 1936
1 Claim. (Cl. 172—238)



A connection system for primary windings of transformers used in commutator type converters of the kind in which electric energy from a polyphase alternating current source is transformed into a greater number of phases than that of said source and the resultant alternating voltage rectified by a commutator comprising a set of delta-connected windings and another set of windings each connecting each junction point of said delta-connected windings to equidivisional tapped points of opposite side of said junction point, adapted to associate with a secondary winding comprising windings in a ring connection and other windings in a radial connection.

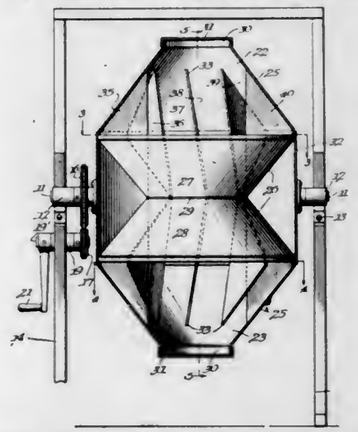
2,138,549
ARCH TYPE ELECTRICAL ROAD SWITCH
Oldric J. La Bell, Washington, D. C.; dedicated to the free use of the People of the United States of America
Application May 2, 1938, Serial No. 205,441
2 Claims. (Cl. 200—86)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An electrical road switch comprising a longitudinal, hollow, resilient outer casing; a longitudinal, hollow, resilient inner casing removably fitted within said outer casing; an electrical conductor secured on the base of the interior of said inner casing; and another electrical conductor longitudinally woven in the crown of said inner casing.

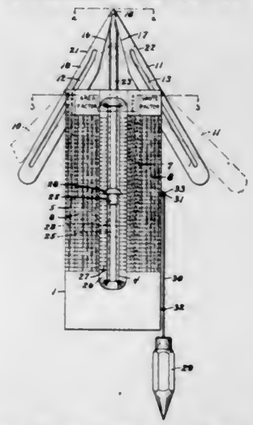
2,138,550
MIXING APPARATUS
Angus D. MacLellan, Owensboro, Ky., assignor to Anglo American Mill Corporation, Owensboro, Ky., a corporation of Delaware
Application January 15, 1938, Serial No. 185,233
4 Claims. (Cl. 259—14)

1. A side charging mixing apparatus of the class described including a rotary container interiorly divided into two compartments, the inner ends of said compartments being spaced from each other and communicating through a band between the compartments, tubular members extending outwardly from opposite sides of said band, a shaft extending transversely through the tubular members and said band, means for conducting material to be mixed into one of the tubular members, an air outlet on the other tubular member, a shaft extending transversely through



the tubular members and said band, means for rotating said shaft, means for conducting material to be mixed into one of the tubular members, an air outlet on the other tubular member, the portions of said shaft within the tubular members having oppositely wound screw conveyors thereon, one of said conveyors constituting means for feeding the material into the container and the other of said conveyors providing means for preventing the withdrawal of the material therethrough but allowing the air in the container to escape.

2,138,551
ROOF GAUGE
Clifford O. Magenheimer, Rochester, N. Y.
Application February 9, 1938, Serial No. 189,646
4 Claims. (Cl. 33—64)

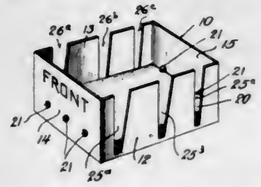


2. A device of the class described, comprising a substantially rectangular frame having a central longitudinal slot in one face thereof and having depicted on said face a table of roof factors at opposite sides of said slot, a pair of sighting blades hingedly connected together at one end and the respective blades being pivotally and slidably

connected with the frame adjacent to the opposite corners thereof for angular adjustment to accord with the slope of a roof, a guide bar pivotally connected with the blades at their hinged connection and slidable in a groove extending longitudinally of said frame in alignment with and opposite to the slot aforesaid, means on said guide bar and disposed in said slot for sliding said guide bar whereby to adjust the angular position of said sighting blades, and said bar also having means coacting with the factor table at opposite sides of the slot for indicating the factors corresponding to the adjustments of the blades.

2,138,552
DEVICE FOR SHARPENING SCISSORS AND LIKE CUTTING IMPLEMENTS

William T. Martin, Tampa, Fla.
Application November 3, 1937, Serial No. 172,603
3 Claims. (Cl. 51—214)

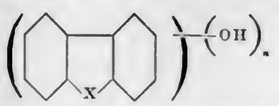


1. A scissors sharpener comprising a sharpening element and a holder therefor, the holder being of sheet metal construction and having a substantially rectangular bottom wall and upstanding front, rear and end walls extending therefrom, the sharpening element being rectangular in shape and substantially coextensive with said bottom wall and being supported thereon to provide an upper sharpening face extending between said front, rear and end walls, at least the front and rear walls being of substantially greater height than that of said sharpening element, and said front and rear walls being provided with sets of aligned and upwardly opening blade-receiving slots.

2,138,553
DYEINGS ON CELLULOSE ESTERS

Friedrich Wilhelm Muth, Leverkusen I. G.-Werk, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application July 7, 1936, Serial No. 89,470. In Germany July 17, 1935
11 Claims. (Cl. 8—50)

1. A process which comprises applying to a cellulose ester a diazotization component suitable for the manufacture of azo dyestuffs, diazotizing and coupling with a compound of the group consisting of diphenylene compounds of the general formula:

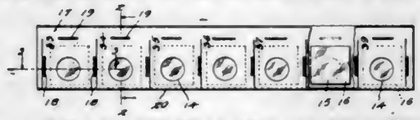


wherein X stands for a member selected from the group consisting of O, S, SO, SO_2, S—S, CH_2, CO, CH=CH and *n* stands for one of the numbers 1 and 2, and such derivatives thereof, bearing in the benzene nuclei a carboxylic acid group.

2,138,554
EYE TESTER

Benedict Oskin, Chicago, Ill.
Application December 22, 1936, Serial No. 117,213
1 Claim. (Cl. 88—22)

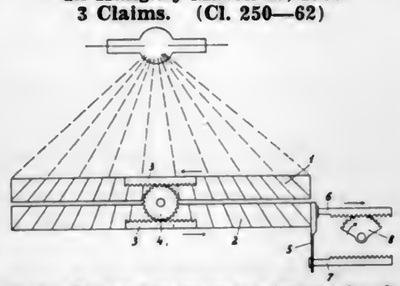
An eye tester comprising a rectangular blank of flexible material folded longitudinally upon a median score line to provide a frame member of U-form in cross section, the frame member being provided in both sides with registering openings, lenses of different respective focuses arranged in the frame across the openings, numerals displayed upon the front of one of the sides of the frame indicating the strength of the particular lens to which each numeral refers, clips extending transversely of the strip between adjacent openings in each row of openings and passing through both sides of the member, clips extending longitudinally of the member above the lenses and passing through both sides of the member, the transverse



clips and the longitudinal clips coacting with the bight at the score line of the frame member in rigidly securing the lenses in place, said frame member being adapted to be held in front of the patient's eyes and to be deformed at the transversely extending clips to conform to the contour of the face and forehead while being moved to dispose the lenses in sequence at each eye of the patient in turn from left to right until the lens which makes the vision clearest registers with the eye whereupon the corresponding one of said numerals may be read to determine the strength of the lens which is required for correction of vision of that eye.

2,138,555
APPARATUS FOR SCREENING OUT SECONDARY X-RAYS WITH A CONTINUOUSLY MOVED GRID

Ervin Ötvös, Budapest, Hungary
Application March 17, 1937, Serial No. 131,509
In Hungary March 19, 1936
3 Claims. (Cl. 250—62)



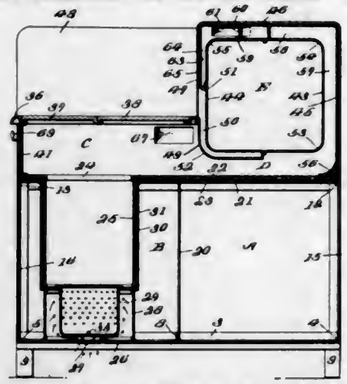
1. In an X-ray apparatus, a bucky diaphragm, a pair of toothed rods secured to said diaphragm, and a continuously rotating toothed segment situated between said toothed rods and engaging them alternately for reciprocating said diaphragm at uniform speed and for suddenly reversing its direction at the ends of its path.

2,138,556
POT TYPE OF RANGE

Ambrose R. Pierce, Lorain, Ohio, assignor to American Stove Company, St. Louis, Mo., a corporation of New Jersey
Application June 22, 1937, Serial No. 149,757
6 Claims. (Cl. 126—44)

1. An improved pot type of oil burning range comprising a range frame. a cooking top box having its upper end closed, a pot type of oil burner located substantially at the bottom of said frame, an upwardly elongated burner drum extending from said burner to said cooking top box to provide a long vertical space sufficient to insure proper mixing of and proper combustion

of the gas from said burner before it reaches said cooking top box, the burner drum having its lower end surrounding said burner and the lower end of the extension having an air inlet opening to insure sufficient air for the burner and the



burner drum, an oven located at one side of said cooking top box, a flue communicating with said box and the flue extending beneath said oven around its side and top and having its end provided with an outlet.

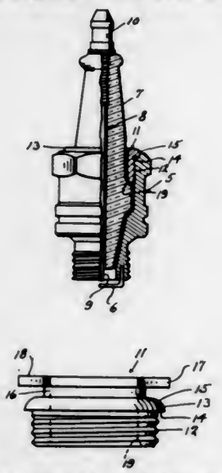
2,138,557
INSECTICIDE

Charles C. Plummer, Mexico, D. F., Mexico; dedicated to the free use of the Public in the Territory of the United States of America
No Drawing. Application September 14, 1936, Serial No. 100,683
1 Claim. (Cl. 167—22)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

An insecticide containing, as its essential active ingredient, copper sucrate.

2,138,558
SPARK PLUG

George R. Smith, Flint, Mich., assignor to C. V. S. Manufacturing Company, Flint, Mich., a corporation of Michigan
Application December 12, 1936, Serial No. 115,612
3 Claims. (Cl. 123—169)

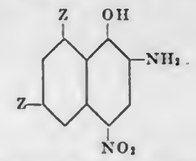


1. A method of making a spark plug having an increased dielectric distance between the sealing bushing and the upper end of the central electrode exposed at the top of the core, said method comprising removing the wrench receiving portion from the top of the bushing and reducing the top of the bushing so as to be substantially flush with the top of the shell of the spark plug.

2,138,559
DIAZO COMPOUNDS AND PROCESS OF MAKING SAME

Fritz Straub and Peter Pieth, Basel, and Hermann Schneider, Riehen, Switzerland, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application May 12, 1937, Serial No. 142,280. In Switzerland May 14, 1936
5 Claims. (Cl. 260—141)

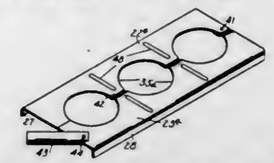
4. Diazo compounds from amines of the general formula



wherein one Z stands for a sulfonic acid group and the other Z stands for hydrogen.

2,138,560
PIE PLATE HANDLING METHOD AND APPARATUS

Kimberly Stuart, Neenah, Wis.
Application July 13, 1936, Serial No. 90,417
6 Claims. (Cl. 224—48)



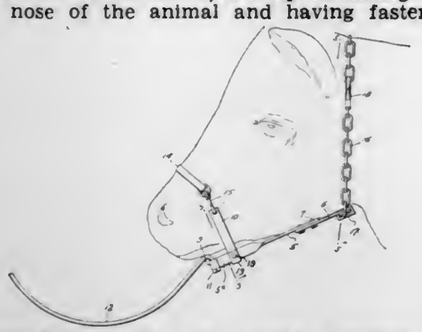
1. In a rack for supporting semi-flexible pie or similar plates of the character having an outwardly and upwardly sloping side wall, a pair of cooperating rack members, means for releasably securing said rack members together in side-by-side relationship to provide a rack body having a substantially flat upper surface, each of said members having at least two arcuate edges facing the other member and cooperating to define generally circular upwardly and inwardly facing substantially continuous annular supports for engaging the sloping side wall of said plate for supporting the latter substantially continuously around its periphery, for rigidly supporting the same, each of said members having stiffening ridges provided therein between the arcuate edges thereof.

2,138,561
ANIMAL POKE

Edward R. Troyer, Goshen, Ind.
Application November 13, 1935, Serial No. 49,559
1 Claim. (Cl. 119—141)

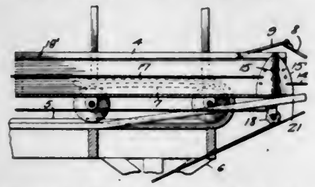
A device of the class described comprising a bar formed in adjustably connected sections, the forward end of one of the sections being twisted and terminating in an eye transverse to said bar and its axis in a vertical plane, a poke of arcuate construction having an eccentric terminal extended through the eye to permit pivotal move-

ment of the poke from side to side, arcuate members extending from each side of the twisted part of the forward member, a strap extending over the nose of the animal and having fastening



means for engaging the arcuate members, an oblong loop formed in the rear portion of the bar, and a chain adapted to be disposed over the neck portion of the animal and through the oblong loop.

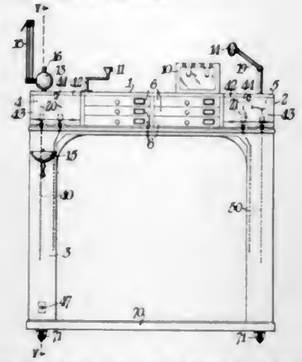
2,138,562
DUMPING BUGGY
James D. Walker, Butler, Pa.
Application December 6, 1937, Serial No. 178,381
3 Claims. (Cl. 214—57)



1. A dumping buggy comprising a track located in a mine lateral and having at the mouth of said lateral, rails of the track bent to form a buggy stop, a buggy operable on said track and including a body open at each end, a sweep slidable in said body from one end to the other and normally occupying a position at one end of the body, a tail gate mounted on the body for closing the other end thereof and capable of swinging and vertical movements, latch plates secured to said gate, projections on said latch plates and the projections of each plate varying as to length, said body having notches and recesses to receive the projections for releasably securing the tail gate in closed position with the longest projections extending below the body, means connected to the sweep for causing movement of the buggy in either direction over the track and to bring about movement of the sweep from one end of the body to the other end thereof when the stop is engaged by the buggy, and means to engage certain of the projections to release the tail gate by imparting a vertical movement thereto to move the projections out of their respective notches and recesses.

2,138,563
DENTAL OPERATING UNIT
Ralph S. Voorhees, Jr., Rochester, N. Y.
Application December 10, 1934, Serial No. 756,813
8 Claims. (Cl. 32—22)

1. A combination of a dental operating platform including a top compartment, hollow legs supporting said top compartment, said hollow legs being spaced from each other to adapt the unit to straddle an operating chair, instruments removably and adjustably supported by said top compartment and said hollow legs, flexible conduits connected to said instruments, said conduits having slack therein to permit said removal and adjustment of said instruments and being housed by said hollow legs.



5. A combination of a dental operating platform including a top compartment, hollow legs supporting said top compartment, said hollow legs being spaced from each other, one of said hollow legs having rotatable mountings and the other of said hollow legs having pivotable mountings to permit said top compartment and hollow legs to be moved to and from a position in which said top compartment and hollow legs straddle an operating chair, instruments removably and adjustably supported by said top compartment and said hollow legs, flexible conduits connected to said instruments, said conduits having slack therein to permit said removal and adjustment of said instruments and being housed by said hollow legs.

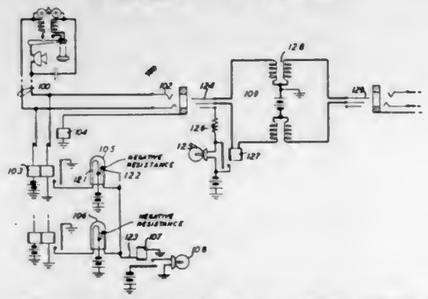
2,138,564
ROLLER SCREEN CONSTRUCTION
Max Barrow, Boston, Mass.
Application February 13, 1936, Serial No. 63,708
2 Claims. (Cl. 156—39)



1. A movable screen construction including in combination stationary tracks at opposed vertical edges of the open area to be screened, the tracks being in the form of vertically extending strips, the front and two sides of each of which are exposed, a bar on and reinforcing the lower edge of the screen and formed at its free ends and in its back with grooves receiving the strips so that the lower end of the screen may be guided in its vertical movement by the cooperation of the strips and grooves, each groove having two side surfaces and a back surface, the bar comprising separated sections, resilient means at the lower end of the screen tending to bias the free ends of the bar sidewise to cause sides of the grooves

to be urged into clamping engagement with sides of the strips to hold the lower end of the screen stationary, and manually operable means operable for opposing the resilient means and for freeing the aforementioned sides of the grooves in the bar ends from clamping engagement with the strips, the bar being separable as a whole from the strips by movement of the bar in a direction transverse to its longitudinal axis, frontwards.

2,138,565
SIGNALING SYSTEM
Henry M. Bascom, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 30, 1937, Serial No. 139,924
7 Claims. (Cl. 179—55)

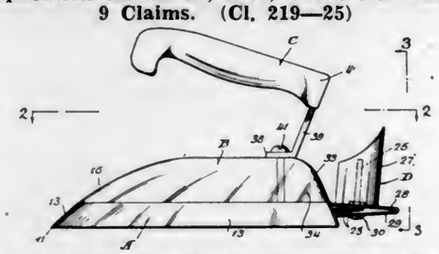


1. The combination in a signaling system of a lamp comprising a closed chamber, a luminous filament within said chamber, a current carrying element mounted within said chamber to receive heat from said filament, said element undergoing a change of its electrical characteristic when heat is received from said filament, electrical circuits including said filament and said element, and means in circuit with and dependent upon the electrical characteristic of said element.

2,138,566
PROCESS FOR REMOVING COPPER COMPOUNDS FROM COPPER-SWEETENED HYDROCARBON OIL
Wayne L. Benedict, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application December 31, 1936, Serial No. 118,585
4 Claims. (Cl. 196—30)

1. A process for removing copper compounds from copper-sweetened hydrocarbon oils which comprises treating the copper-sweetened oil with a double sulfide of zinc and sodium in solid form.

2,138,567
IRONING DEVICE
Gerhardt Blair, Newfoundland, N. J., assignor of one-half to Paul Heymann, New York, N. Y.
Application March 18, 1937, Serial No. 131,571
9 Claims. (Cl. 219—25)



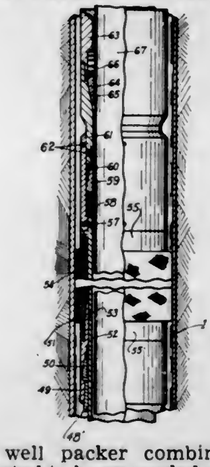
2. An electrical heating iron provided with a metallic base, a handle, an electrical connection, a heating element and a one piece domed heat resistant glass top to expose the heating element.

2,138,568
ARTIFICIAL CELLULOSIC TUBULAR STRUCTURE
Jaques Edwin Brandenberger, Bezons, France, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 20, 1936, Serial No. 69,970
16 Claims. (Cl. 93—94)



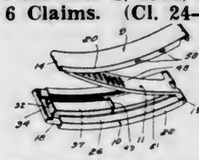
1. A thin, flexible tube having the properties of millinery straw comprising a thin, flexible non-fibrous sheet rolled transversely upon itself, the free inner and outer longitudinal edges of said tube being movable relative to each other.

2,138,569
WELL PACKER
Cicero C. Brown, Houston, Tex.
Application December 18, 1936, Serial No. 116,447
11 Claims. (Cl. 166—10)



1. In a well packer combination, an outer packer adapted to be expanded outwardly against the interior of a conduit, an inner packer initially out of contact with and adapted to be expanded inwardly against the exterior of a second conduit, and means for expanding both of said packers by manipulation of said last mentioned conduit.

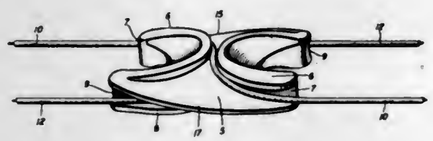
2,138,570
BRACELET STRUCTURE
Edwin G. Carlson, East Providence, R. I., assignor to Speidel Corporation, Providence, R. I., a corporation of Rhode Island
Application December 4, 1933, Serial No. 700,851
6 Claims. (Cl. 24—71)



1. In a device of the character described, a plurality of members hinged together and foldable into engagement with each other, an extension member slidably supported by one of said

foldable members, resilient means operative between said extension member and its supporting member for drawing said extension member into telescoping relation with its supporting member, and interengaging means carried by said extension member and one of the remaining members for locking said extension member in any one of a plurality of positions relative to its supporting member when the foldable members are in their folded positions.

2,138,571
INSULATOR
Richard C. Dehmel, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 20, 1936, Serial No. 111,805
7 Claims. (Cl. 173—28)



1. A unitary insulating device for use in spacing the wires of a transmission line having a substantially S-shaped guide for the wires of the line on each of its upper and lower surfaces, each of said guides being formed by diagonally disposed raised curved portions on each surface of the device.

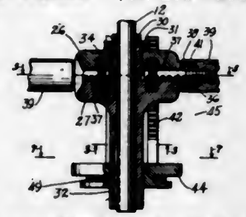
2,138,572
DYEING AND PRINTING COMPOSITIONS
Robert E. Etzelmiller, South Milwaukee, Wis., assignor to E. I. Du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 6, 1936, Serial No. 94,634
4 Claims. (Cl. 8—44)

2. A hydrous alkaline dyeing composition which comprises an inhibitor consisting of urea and an ethanolamine; an organic solvent from the group consisting of water soluble aliphatic alcohols, diethylene glycol and the mono-ethers of ethylene glycol; an azo dye coupling component having an active methylene group; and a component consisting of a diazotized aryl amine which is stabilized against reaction with the coupling component, said composition being sufficiently non-acidic to prevent immediate coupling of said components until a developing acid is applied thereto.

2,138,573
ELECTROPLATING
Colin G. Fink and Pincus Deren, New York, N. Y., assignors to Vereinigte Chemische Fabriken Zu Leopoldshall, Aschersleben, Germany
No Drawing. Application September 1, 1934, Serial No. 742,474
6 Claims. (Cl. 204—1)

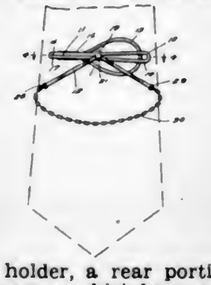
1. The method of effecting electro-deposition of rhenium which comprises the step of passing current through a sulphate solution containing a soluble rhenium compound, which solution has a hydrogen ion concentration of a pH from about 0.3 to about 3.0 while maintaining the current density between about 8 and 17 amperes per square decimeter of the cathode surface.

2,138,574
REVERSE AND VARIABLE PITCH PROPELLER
James A. Gallagher, Brooklyn, N. Y.
Application October 6, 1936, Serial No. 104,169
9 Claims. (Cl. 170—163)



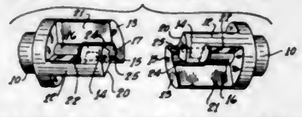
1. A boat propeller having radial blades angularly settable about their individual axes, said axes lying in a plane, a rotatable casing split substantially along said plane into two separable parts, hollow trunnions formed on said casing and each being split along said plane, the propeller blades having hubs snugly receiving said trunnions and being journaled thereon, and releasable means extending through the trunnions and being secured at one end to the propeller blades and interlocked at the other end with the casing within the latter to thus operatively secure the propeller blades to the casing.

2,138,575
TIE HOLDER CONSTRUCTION
Charles Edmund Gaynor, Pawtucket, R. I., assignor, by mesne assignments, to Dolan & Bullock, a firm of Rhode Island
Application December 21, 1936, Serial No. 116,936
6 Claims. (Cl. 24—49)



1. In a tie holder, a rear portion adapted to removably engage a shirt hem, a front portion adapted to encircle a tie, and rivet means midway between the ends connecting said portions, said front portion comprising two links movably seated on said rivet means.

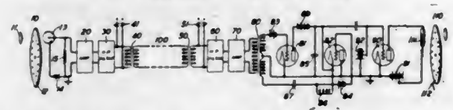
2,138,576
CONVEYER FEED SCREW
Sever C. Gebert, Chicago, Ill., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application April 23, 1937, Serial No. 138,529
2 Claims. (Cl. 198—213)



1. A conveyer feed screw section adapted to be coupled to and between screw sections similar thereto, including a shaft, a worm flight winding spirally around said shaft, and substantially identical coupling members at the ends of the shaft, each comprising a pair of asymmetrically spaced

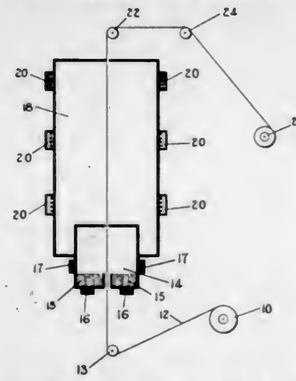
studs of unequal circumferential extent, projecting axially from the end of the shaft, said studs having side faces disposed in a common diametral plane, and lugs projecting circumferentially from said faces, at the ends of said studs, said worm flight terminating over, and being integrally united with the studs of lesser circumferential extent whereby to reenforce such studs.

2,138,577
ELECTRO-OPTICAL TRANSMISSION
Frank Gray, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 6, 1934, Serial No. 719,244
14 Claims. (Cl. 178—6)



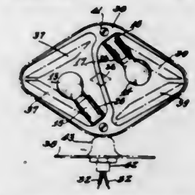
1. The method of television which comprises scanning successive elemental areas of an object line by line, the light distribution along the whole scanning path comprising sine wave components of frequency lower than the line scanning frequency, and generating a signal current representative of the light tone values along said scanning path, suppressing a band of the lower frequency components of the signal current extending from zero frequency to a frequency in the vicinity of the line scanning frequency or higher, and forming a two-tone electro-optical image with the remaining signal components.

2,138,578
METHOD AND APPARATUS FOR THE PRODUCTION OF CELLULOSIC STRUCTURES
Albert Hershberger, Buffalo, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application January 22, 1936, Serial No. 60,281
11 Claims. (Cl. 91—70)



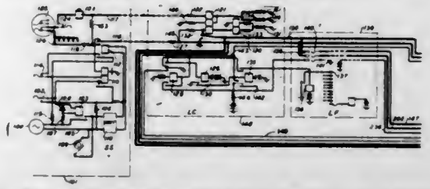
1. The method for obtaining a transparent moistureproof coating on a non-fibrous pellicle comprising the successive steps of applying to the pellicle a moistureproofing coating containing a moistureproofing agent, removing from said coating any volatile solvent which may be present, removing haze from the coated pellicle by subjecting to the vapor of a solvent for said coating, and removing said solvent vapor from said pellicle, said solvent vapor having a preferential solvent action on said moistureproofing agent.

2,138,579
LAMP CONSTRUCTION
Abraham Hollins and Jesse Hollins, Brooklyn, N. Y.
Application April 28, 1937, Serial No. 139,430
5 Claims. (Cl. 177—327)



1. A signal indicator comprising a unitary reflector shell consisting of a drawn metallic member having a diamond-shaped outline and bearing two pear-shaped pockets, a medial region separating said pockets, lamp sockets, individual to and mounted in the stem end of each of said pockets, and extending transversely across the same in opposing directions, said medial region having an edge extending substantially flush with the outline of said shell for excluding light from one of said pockets to the other.

2,138,580
PRINTING TELEGRAPH SYSTEM
Fullerton S. Kinkead, Ridgefield Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 11, 1936, Serial No. 90,082
5 Claims. (Cl. 178—2)

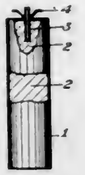


1. In a telegraph exchange system, a plurality of subscribers' stations, each arranged to originate and receive calls and certain of said plurality of subscribers' stations arranged in a plurality of groups for conference purposes, a source of signals at each of said stations, a main station, line circuits for respectively connecting said plurality of subscribers' stations to said main station, means at said main station for connecting in response to signals from one of said sources the line circuit of the calling subscriber's station to one or more other of said line circuits respectively extending to the called subscribers' stations, and a signal repeater device in each of said line circuits for repeating signals received from the source at any one of the interconnected subscribers' stations for further transmission.

2,138,581
PRIMER FOR HIGH EXPLOSIVES
William E. Kirst, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 25, 1935, Serial No. 46,791
6 Claims. (Cl. 102—6)

1. A primer for a high explosive charge comprising a rigid watertight receptacle, a solid detonating explosive within said receptacle, said explosive comprising a main charge incapable of detonation by means of a commercial blasting

cap, and a booster charge sensitive to the action of a blasting cap and capable of initiating said main charge, a substantially cylindrical recess extending within said receptacle but in water-tight relationship therewith, the lip of said recess extending outwardly beyond the surface of said



receptacle, permitting the ready insertion of the initiator at the place of use and allowing the same to be firmly secured in said recess, the separating medium between initiator and said booster charge being sufficiently thin to allow the detonation therethrough of the latter by means of a commercial blasting cap.

2,138,582

RECOVERY OF LOWER ALIPHATIC ACIDS

Paul Knapp, Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 11, 1936, Serial No. 110,406

2 Claims. (Cl. 260—541)

1. The process of treating dilute aqueous acetic acid solution containing dissolved and/or suspended cellulose compounds remaining and resulting from the manufacture of cellulose acetate, and free sulfuric acid, which comprises neutralizing the sulfuric acid, heating said solution to a temperature between 160° and 200° C. and at a pressure sufficient to maintain the solution in the liquid phase, maintaining said temperature and pressure for a period of two to fifteen minutes and until said cellulose compounds are substantially completely converted to water-soluble substances incapable of further hydrolysis to water-insoluble substances, reducing the pressure and cooling the solution so treated, and extracting the acetic acid.

2,138,583

PROCESS AND CATALYST FOR MAKING OLEFINE OXIDES

Herbert Langwell, Windmill End, Epsom, Charles Bernard Maddocks, Epsom, and John Francis Short, Cheam, England, assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application November 21, 1936, Serial No. 112,080. In Great Britain November 22, 1935

4 Claims. (Cl. 23—234)

1. Catalyst for the production of olefine oxides by the oxidation of olefines with oxygen-containing gas, which catalyst is composed of finely divided metal of the group consisting of silver, gold, and alloys predominating in at least one of these, said metal having been mechanically reduced from thin leaves to a finely divided state capable of passing through a sieve of about 100 meshes per linear inch, and thereafter activated by heating at a temperature of 400° to 450° C. for two hours, the temperature and time of heating being so correlated as to cause a partial sintering of said finely divided metal just sufficient to form a weakly coherent mass.

2,138,584

POLYSULPHONES AND THEIR PREPARATION

Carl S. Marvel, Urbana, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 20, 1937, Serial No. 126,811

12 Claims. (Cl. 260—2)

1. Process comprising reacting sulphur dioxide in the presence of a catalyst comprising essentially ascaridole with an acetylenic hydrocarbon having the formula RC≡CH in which R represents a monovalent constituent from the group consisting of hydrogen and monovalent hydrocarbon radicals.

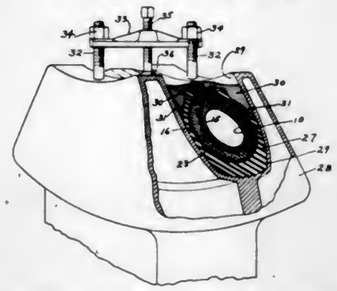
2,138,585

VULCANIZING DEVICE

Eric J. Pilblad, Rockville Centre, N. Y., assignor of seventeen and one-half percent to Charles C. Strange, Port Richmond, Staten Island, N. Y., seventeen and one-half percent to Bess Aaronson, Meriden, Conn., and seventeen and one-half percent to Alan J. McIntosh, seventeen and one-half percent to Alvan L. Barach, and twelve and one-half percent to Edmund J. Barach, New York, N. Y.

Application November 14, 1935, Serial No. 49,698

5 Claims. (Cl. 18—18)



1. In apparatus of the class described, a heating element having a recess for receiving a portion of a tire casing, a pressure transmitting unit within said casing comprising a deformable container filled with and confining a plastic substance adapted to flow readily under pressure, wedge means extending into said recess and engaging the outer walls of the casing, and common pressure means for subjecting said unit and means to pressure whereby the space within the casing is reduced and the engaging surface of the deformable container is conformed to the contour of the casing wall.

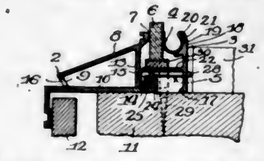
2,138,586

STORE FRONT CONSTRUCTION

Francis J. Plym, Niles, Mich., assignor to The Kawneer Company, Niles, Mich., a corporation of Michigan

Application December 16, 1936, Serial No. 116,064

7 Claims. (Cl. 20—56.4)



6. In a store front construction having an outer and an inner sash member, means for rigidly

connecting these members comprising a bar having angular extensions at its opposite ends, said extensions being at an angle to each other.

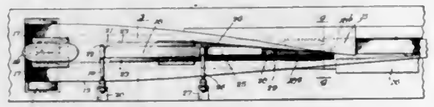
2,138,587

APPARATUS FOR MAKING SANITARY NAPKINS

Oscar T. Thompson, Neenah, Wis., assignor to International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware

Application May 3, 1937, Serial No. 140,278

8 Claims. (Cl. 154—29)



1. In a machine for making sanitary napkins, means for conveying a strip of gauze having an absorbent pad positioned thereon, the pad being narrower than said gauze strip and being positioned in spaced relation to the side edges of said strip, means for folding the marginal portions of said strip upwardly and over the pad and means associated with said gauze folding means for acting on said pad while being conveyed by said gauze strip to compress marginal side portions of the pad so as to reduce the thickness thereof at its side edges, whereby said side edges require less gauze or other covering material and permit adequate wrapping of the pad and covering of its edges with covering material of reduced width.

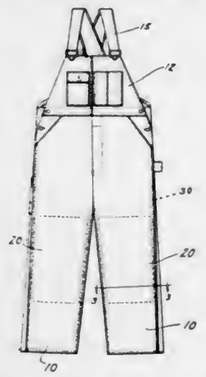
2,138,588

GARMENT

Richard H. Wann, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York

Application June 29, 1936, Serial No. 87,868

3 Claims. (Cl. 2—227)



1. A garment formed of textile material and having portions thereof subject to excessive wear, said portions being impregnated with a thermoplastic material so as to improve the wearing quality of said portions and render them substantially waterproof where such quality is required, said thermoplastic material filling the spaces between the threads and having portions of the textile material on the coated surface exposed so as to preserve the textile appearance of said portions and thereby avoid a glazed appearance.

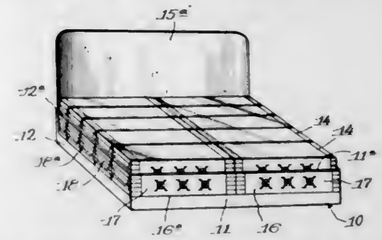
2,138,589

DISPLAY AND DISPENSING BOX

Philip K. Wrigley, Chicago, Ill., assignor to Wm. Wrigley Jr. Company, Chicago, Ill., a corporation of Delaware

Application March 26, 1937, Serial No. 133,145

3 Claims. (Cl. 206—44)



1. In combination with a dispensing box having bottom, front and side walls open at the top for display and dispensing of the contents thereof, a plurailty of similar dispensable articles arranged in horizontal layers within said box, the inside depth of said box being such that a substantial portion of the top layer projects above the top edges of said front and side walls, and said front and side walls having, along their upper margins, visual reproductions simulating the front and side edges, respectively, of a full layer of articles contained in said box.

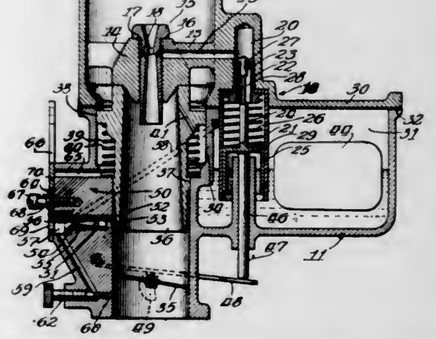
2,138,590

CARBURETOR

Robert F. Bracke, Chicago, Ill.

Application February 1, 1935, Serial No. 4,479

18 Claims. (Cl. 261—34)

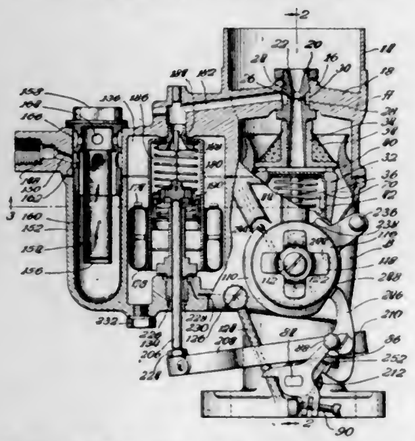


3. A downdraft fuel lift carburetor comprising a stepped body, a sleeve having a pair of bearing surfaces of different diameters slidable in said body and providing a chamber of variable capacity between said sleeve and body, a spring tending to force said sleeve upwardly, a downwardly directed Venturi tube mounted in the upper part of said body, means surrounding said Venturi tube adapted to receive the upper end of said sleeve to exclude secondary air, said sleeve having an opening establishing communication between said chamber and a point within said sleeve and said body having an opening establishing communication between said chamber and the atmosphere, a fuel lift Venturi tube discharging into said body, and means adapted to be actuated at will either to open the last-mentioned opening and close the fuel lift Venturi tube or to

close said last-mentioned opening and open the fuel lift Venturi tube.

5. A carburetor comprising upper and lower portions secured together, a fuel chamber in the lower portion having a sleeve projecting upwardly above the fuel level, an actuating rod projecting through said sleeve, a tube projecting from the upper portion to below the fuel level and having a fuel outlet at its upper end, said tube and sleeve being in substantial alignment, and a perforated piston in said tube adapted to be actuated by said rod.

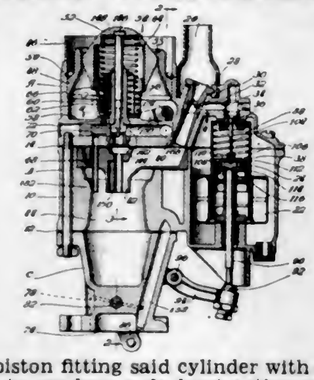
2,138,591
CARBURETOR
Robert F. Bracke, Chicago, Ill.
Application February 14, 1935, Serial No. 6,421
13 Claims. (Cl. 261—34)



10. In a self-feeding carburetor of the class described, the combination of a fuel-feeding nozzle, a mixing chamber into which said nozzle discharges, a fuel supply chamber, a booster nozzle for creating a sub-atmospheric pressure in said chamber, said booster nozzle discharging into said mixing chamber, an automatic air valve for maintaining minimum depression in said fuel supply chamber and in said mixing chamber, a throttle valve on the engine side of said air valve, a conduit connecting said fuel-feeding nozzle with said fuel supply chamber, said conduit including a fixed cylinder and a perforate piston through which all fuel supplied to said fuel-feeding nozzle must pass, said piston being reciprocable in said cylinder, a rod for moving said piston in one direction, an interconnection between said rod and said throttle whereby upon opening said throttle said piston advances in a direction tending to supply an accelerating charge to said fuel-feeding nozzle, and a valve coacting with said piston to regulate return flow of fuel therethrough whereby the accelerating charge is prevented from becoming excessive.

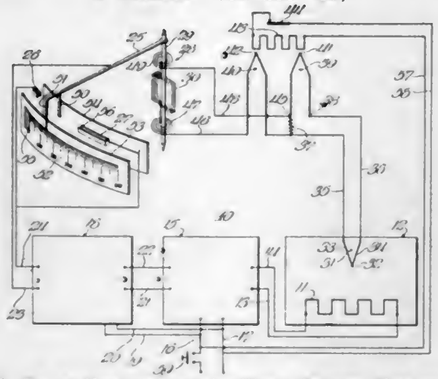
2,138,592
CARBURETOR
Robert F. Bracke, Chicago, Ill.
Application February 20, 1935, Serial No. 7,332
8 Claims. (Cl. 261—72)

8. In a down draft carburetor of the class described, the combination of a mixing chamber, a nozzle Venturi tube discharging into said mixing chamber, said nozzle Venturi tube constituting a primary air inlet for said mixing chamber, a source of fuel supply for said nozzle Venturi tube, an air valve for admitting secondary air to said mixing chamber, a throttle bore for connecting said mixing chamber with a source of suction, a throttle valve in said throttle bore, said air valve being separate from said nozzle Venturi tube and being mounted for movement responsive to variations in the degree of suction existing in said mixing chamber, a pneumatic dashpot cylinder supported above said air



valve, a piston fitting said cylinder with sufficient closeness to produce a dashpot action when said cylinder is filled with air, a piston rod, a connection between said piston rod and said air valve, and means comprising a single restricted atmospheric vent communicating with said cylinder adjacent one end thereof for decreasing the effectiveness of said dashpot when high degrees of suction obtain in said mixing chamber.

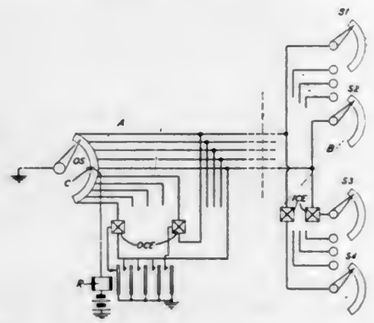
2,138,593
THERMAL CONTROLLING DEVICE
Victor W. Breitenstein, Chicago, Ill., assignor to Illinois Testing Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application September 28, 1936, Serial No. 102,864
4 Claims. (Cl. 236—69)



1. In a thermal controlling device, the combination of a moving coil electrical instrument with a measuring thermo-couple having its terminals connected to said instrument, a pair of auxiliary thermo-couples, one of which is connected in series with each conductor leading from the measuring thermo-couple to the said instrument, said auxiliary thermo-couples having their hot junctions kept at an elevated temperature and having their electromotive forces opposing each other, and a conducting path located between the leads from the measuring thermo-couple and between the auxiliary thermo-couples whereby one of said auxiliary thermo-couples is adapted to actuate said moving coil

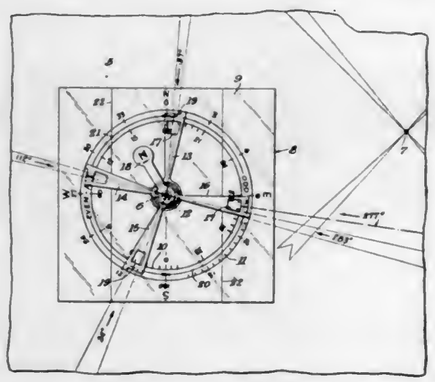
instrument when the leads from the measuring thermo-couple are on open circuit, whereby a break in the leads in the measuring thermo-couple is indicated on said instrument.

2,138,594
TELEPHONE SYSTEM
Einar A. Brofos, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 7, 1936, Serial No. 57,915
In Great Britain January 18, 1935
6 Claims. (Cl. 179—18)



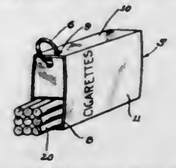
1. In a trunking system, a group of trunks, a carrier and a non-carrier channel over each trunk, and means for automatically making the carrier channels available and ready for use only when all of the non-carrier channels are busy.

2,138,595
RADIO RANGE BEAM PROJECTOR
Emile H. Burgin, Elizabeth, N. J.
Application June 12, 1937, Serial No. 147,856
4 Claims. (Cl. 33—1)



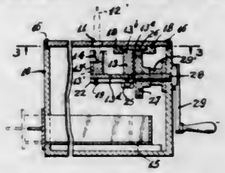
1. The combination with a map showing radio beams thereon, of a radio range beam projector comprising a transparent sheet member having concentric scales in degrees, said scales being 180° out of phase with each other, a plurality of four arms pivoted on a common center, each adapted to be positioned on selected degree markings along the bearings of the beams on the map and along corrected bearings of said beams as published from time to time, and a sector designating arm adapted to be positioned in a selected quadrant between two adjacent arms.

2,138,596
JEWELRY STRUCTURE
Karl Fassnacht, Cranston, R. I., assignor to Speidel Corporation, Providence, R. I., a corporation of Rhode Island
Application May 12, 1938, Serial No. 207,479
5 Claims. (Cl. 63—23)



1. An ornamental charm for bracelets or the like in simulation of a cigarette package comprising, a rectangular tubular member, a frame slidably mounted within said tubular member and having a portion serving as a closure for one end of said tubular member, and a cigarette simulating element mounted in said tubular member and supported by said frame.

2,138,597
CHALK SHARPENING MACHINE
David S. Gold, Brooklyn, N. Y.
Application December 16, 1937, Serial No. 180,104
4 Claims. (Cl. 120—94)

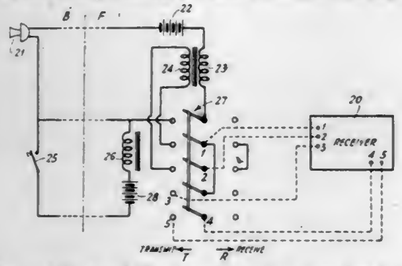


1. A chalk sharpening machine comprising a box-like body having a slot in its top wall through which a piece of chalk may be held, a knife holding carriage slidably mounted within said body beneath said seat, a knife for sharpening the edge of said chalk mounted on said carriage, and means for moving said carriage, said knife holding carriage comprising a knife support strip upon which said knife is mounted, a foundation strip, several arms connecting said knife support strip to said foundation strip, a slide fixed on said foundation strip, and tracks mounted upon said body and supporting said slide.

2,138,598
AUTOMOBILE RADIO AND COMMUNICATION SYSTEM
Alfred N. Goldsmith, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 9, 1935, Serial No. 53,529
8 Claims. (Cl. 179—2)

3. In combination, a radio receiver having a radio frequency portion and an audio frequency portion, a local switch for energizing and deenergizing both said portions of the receiver, a remote microphone source of speech currents and a circuit therefor, switch mechanism associated with both the receiver and the microphone circuit, said switch mechanism being normally in position to open-circuit the microphone

circuit and to complete the receiver circuit, and remotely controlled means for actuating said switch mechanism from its normal position to simultaneously energize the receiver irrespective



of the position of the local switch, render ineffective the radio frequency portion, close the microphone circuit and impress the speech currents from said microphone circuit onto the audio frequency portion of the receiver.

2,138,599

CONTACT ELEMENT

Childress B. Gwyn, Jr., Bannockburn, Ill., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware

No Drawing. Application July 14, 1937, Serial No. 153,639

4 Claims. (Cl. 200—166)

1. An electric contact element formed of an alloy composed of about 5 to 15% copper, in excess of a trace up to 7% nickel, 12 to 25% of an element selected from the group consisting of palladium and platinum and 50 to 80% silver.

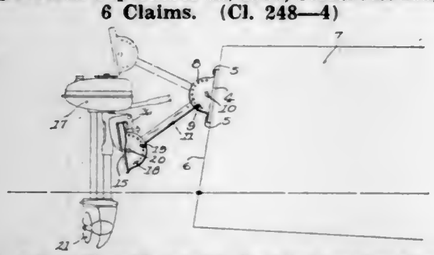
2,138,600

OUTBOARD MOTOR BRACKET

Lloyd J. Harmon, New York, N. Y., assignor to Outboard, Marine & Manufacturing Company, Wilmington, Del., a corporation of Delaware

Application September 23, 1937, Serial No. 165,263

6 Claims. (Cl. 248—4)



1. An outboard motor bracket comprising a pair of plates, one of which is shaped for attachment to the stern of a boat and the other of which comprises means adapted to receive an outboard motor, and a support pivotally connected with both of said plates, each of said plates having mechanism for adjustably restraining relative pivotal movement between said support and the respective plate, whereby to fix a position of said outboard motor and to transmit thrust therefrom.

2,138,601

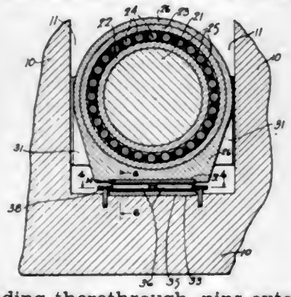
ROLLER ALIGNER

Karl L. Herrmann, South Bend, Ind., assignor to The Bantam Ball Bearing Company, South Bend, Ind., a corporation of Indiana

Application December 20, 1934, Serial No. 758,355

8 Claims. (Cl. 308—178)

1. In combination with a machine having spaced supports and rollers arranged in a vertical stack carried by said supports, means to permit longitudinal movement of the bottom roller relative to said supports comprising, a thrust bearing interposed between said bottom roller and one of said supports, said bearing having spaced rollers, a retainer therefor having open-



ings extending therethrough, pins extending into said openings secured in said support, and resilient means at opposite sides of each of said pins to permit the rolling of said bearing rollers between said bottom roller and support and to return said bearing rollers to a predetermined position.

2,138,602

DYEING OF HARDENED CASEIN

Frederick Hill and Jack Augustus Radley, Blackley, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application January 18, 1938, Serial No. 185,624. In Great Britain January 29, 1937

6 Claims. (Cl. 8—4)

1. A process for the dyeing of hardened casein which comprises applying to the material from a dyebath a dyestuff of the class consisting of monoazo and anthraquinone dyestuffs which dyestuff contains a hydroxy-alkyl sulphuric ester group attached to an aromatic nucleus through an atom of the class consisting of oxygen and nitrogen and which dyestuff is devoid of any sulphonic and carboxylic groups attached directly to an aromatic nucleus.

2,138,603

EXPLOSIVE PACKAGE

Norman G. Johnson, Wenonah, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application October 6, 1936, Serial No. 104,195

5 Claims. (Cl. 102—6)



1. An explosive package comprising an explosive cartridge, a web of netting surrounding and enclosing said cartridge, and means including a portion of said netting for attaching a lowering device to said package.

2,138,604

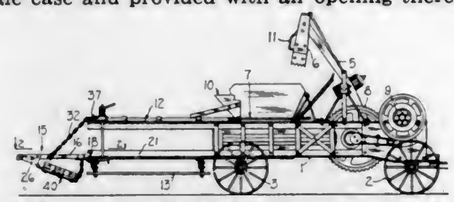
BALER

Frank D. Jones, Ottumwa, Iowa, assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa, a corporation of Iowa

Application December 26, 1934, Serial No. 759,166

20 Claims. (Cl. 100—19)

20. A baler of the type in which the individual bales are separated in the formation thereof by division blocks and comprising a bale case from which the completed bales are discharged, bale supporting means at the discharge end of said bale case and provided with an opening therein,



and division block receiving means carried by said bale supporting means underneath said opening to receive said division blocks from between the bales as the latter are successively discharged from the bale case.

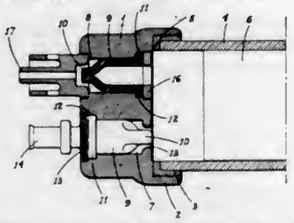
2,138,605

BLOOD TRANSFUSION SYRINGE

Richard P. Landis, Grass Valley, Calif., assignor to Landis Transfusion Equipment Co., Sacramento, Calif., a corporation of California

Application November 16, 1936, Serial No. 111,948

3 Claims. (Cl. 128—214)



1. In a blood transfusion syringe, a syringe barrel, a cap mounted thereon, a pair of separate self contained identical check valve members, said members having tubular bodies and being provided at one end with resilient normally closed lips, the cap having inlet and outlet passages therethrough to receive the valve bodies in snug fitting relationship, the inlet passage being arranged to receive one of the valves with its lip facing inwardly and the adjacent end of the inlet passage being restricted in size to allow of restricted separation of the lips; the outlet passage being arranged to receive the other valve with its lip facing outwardly, and a recipient-tube coupling mounted on the cap and having a threaded base screwed into the outer end of the outlet passage; said base having a recess in its inner end to receive the lips of the adjacent valve and of a size to allow of limited opening movement of the lips.

2,138,606

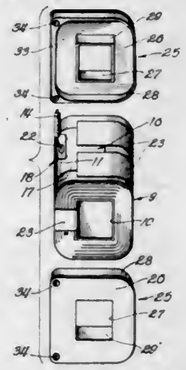
COIL CONSTRUCTION

Charles H. Lanphier, Springfield, Ill., assignor to Sangamo Electric Company, Springfield, Ill., a corporation of Illinois

Application February 12, 1937, Serial No. 125,368

1 Claim. (Cl. 175—21)

As a new article of manufacture, a voltage coil for a watthour meter comprising, in combination, a tubular member on which the turns of the coil are disposed substantially to the ends thereof, a cap member at each end of the coil having an inner flange extending into and fitting snugly with each inner end portion of said tubular member and an outer flange extending over the adjacent outer end portion of the coil, said inner and outer flanges being integrally formed with an intermediate flat portion whereby the outer flanges form a rigid frame around the coil, each outer flange being slightly recessed externally to provide shoulders facing each other, a wrapper of insulating material of a thickness substantially the same as the depth of the recess in each outer



flange surrounding said frame and spaced from said coil and secured in the recess in each flange with its edges abutting said shoulders, at least two corners of one of said outer flanges being thickened and each having an aperture therein extending longitudinally thereof, and lead-in wires connected to the terminals of the coil and extending through said apertures.

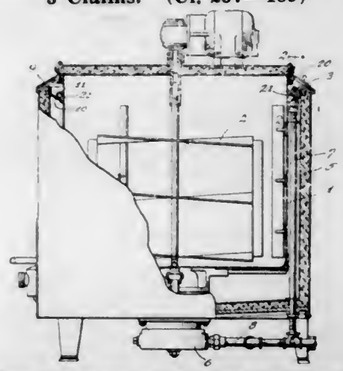
2,138,607

HEAT TRANSFER APPARATUS

Olaf Larsen, Oak Park, Ill., assignor to The Creamery Package Mfg. Company, Chicago, Ill., a corporation of Illinois

Application October 2, 1937, Serial No. 166,965

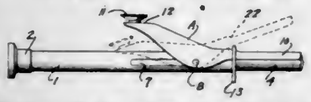
3 Claims. (Cl. 257—189)



1. A heat transfer apparatus comprising a tank for containing a liquid with respect to which heat is to be transferred, means for causing a film of heat transferring liquid to flow downwardly over the outer surface of the walls of said tank, a housing surrounding said tank and spaced therefrom to provide space for said liquid film flow, an annular chamber surrounding said tank adjacent its upper edge, said film flow causing means comprising a two-ended annular flexible conduit lying in said annular chamber having openings through which liquid is supplied to the sides of the tank, and a supply conduit for supplying liquid to both ends of said two-ended conduit, the two ends of said conduit being detachably connected with said supply conduit, said chamber having an opening to which access may

be had to the two ends of the flexible conduit whereby the two ends of the conduit may be readily connected and disconnected with respect to the supply conduit and whereby the flexible conduit may be readily withdrawn and inserted through said opening in said annular chamber.

2,138,608
PIN CURLER
Rembe McCormick, Chicago, Ill.
Application June 23, 1937, Serial No. 149,825
18 Claims. (Cl. 132—33)

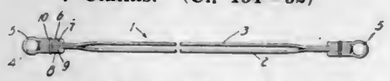


1. A device of the class described, including a tube open at one end, a bar slidable within said tube and having a portion normally projected through said open end constituting a mandrel, a member pivoted to said bar and having a spoon-bill extending along said mandrel and operative to clamp a tress of hair against the mandrel, and means for withdrawing said projected portion within said tube to remove a curl from said portion.

2,138,609
PROCESS FOR HYDROLYZING ORGANIC HALIDES
Albert W. Meyer, Nutley, N. J., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
No Drawing. Application November 17, 1937, Serial No. 175,175
10 Claims. (Cl. 260—629)

1. The process of hydrolyzing monochlorbenzene in the vapor phase which comprises passing through a porous silica catalyst bed maintained at a suitable reaction temperature, a mixture of monochlorbenzene vapor and steam, said mixture containing cuprous chloride vapor in excess of an amount obtainable by passing said mixture over heated copper.

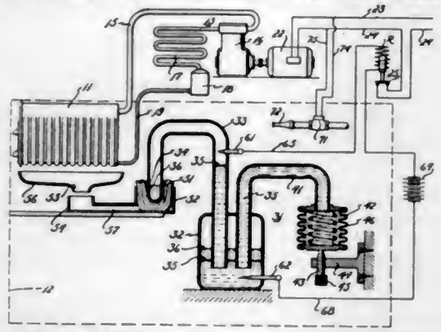
2,138,610
CORDED EDGE ARTICLE
Elmer G. Overly, Oakmont, Pa.
Application January 29, 1938, Serial No. 187,754
7 Claims. (Cl. 154—52)



1. An article of sheet material having a corded edge, said article including, in combination, a body of sheet material, a cord disposed along an edge of the body, a binding strip folded around the cord and over the opposite faces of a margin of the body and having its extreme marginal portions folded under and disposed to extend toward the cord, and a substantially continuous line of through stitching extending substantially parallel to the cord and uniting both doubled margins of the strip with one another and with the interposed marginal portion of the body.

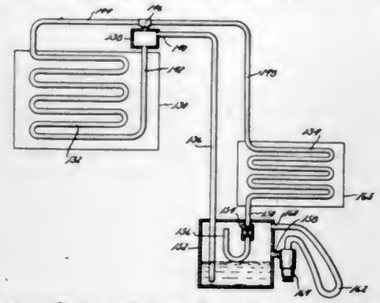
2,138,611
REFRIGERATING APPARATUS
Lawrence A. Philipp, Detroit, Mich., assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application September 1, 1934, Serial No. 742,419
8 Claims. (Cl. 62—4)

1. In combination in a refrigerating system a cooling unit for cooling a gas and adapted to condense moisture from the gas, means for supplying a cooling medium thereto, and humidity responsive means for regulating the operation of said first means in accordance with the relative



humidity condition of the gas being conditioned by the cooling unit, said humidity responsive means comprising a wet bulb and a dry bulb and means for continuously applying the condensation drip from the cooling unit to the web bulb.

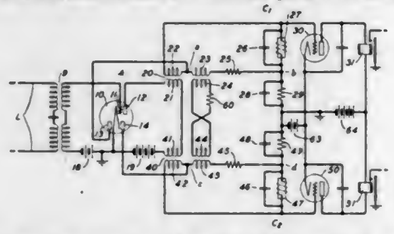
2,138,612
REFRIGERATING APPARATUS
Lawrence A. Philipp, Detroit, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application July 2, 1937, Serial No. 151,571
1 Claim. (Cl. 62—125)



A secondary refrigerating system comprising, in combination, an evaporator, a condenser located below said evaporator, a tank located below said condenser for collecting liquid refrigerant flowing by gravity from said condenser, means disposed between the condenser and the tank for preventing refrigerant from flowing from the tank back to the condenser, a liquid refrigerant supply line extending from said tank to said evaporator, a liquid refrigerant trap which is attached to aforesaid tank and which is adapted to be heated for the purpose of increasing the pressure within the tank in order to force liquid refrigerant into said evaporator, and pressure responsive means for regulating the flow of liquid refrigerant from the tank into said trap.

2,138,613
SIGNALING SYSTEM
Harold M. Pruden, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 14, 1937, Serial No. 142,619
5 Claims. (Cl. 179—84)

1. In combination, a signaling circuit, a thermionic amplifier for amplifying signals incoming over said circuit, a signaling relay, a thermionic device for operating said relay in response to signaling current of a particular frequency, means comprising an impedance bridge balanced at said signaling frequency and unbalanced at other frequencies for coupling the output of said amplifier to said device, and a capacitor connected in series with the filament and a rectifier plate of said am-



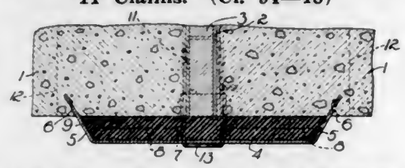
plifier across points of said bridge which are at the same potential when the bridge is subjected to current of said signaling frequency and at different potentials when the bridge is subjected to current of other frequencies for preventing the operation of said relay when the incoming signaling current includes frequencies other than said signaling frequency.

2,138,614
SHEATHING ELECTRIC CABLES
Bernard B. Reinitz, Paterson, N. J., assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey
No Drawing. Application November 10, 1937 Serial No. 173,854
5 Claims. (Cl. 207—1)

1. In the sheathing of electric cables with a lead alloy, the method which comprises introducing from 0.005% to 0.05% by weight of sodium into commercial lead while the latter is at a temperature of around 800° F. thereby to stabilize the same, and thereafter adding the alloying material to the stabilized lead.

5. An electric cable sheath comprising lead stabilized with approximately 0.001% sodium.

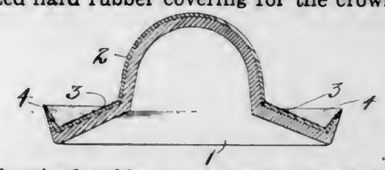
2,138,615
ROAD JOINT END SEAL
Robert R. Robertson, Chicago, Ill., assignor to The Translode Joint Company, Chicago Heights, Ill., a corporation of Illinois
Application May 3, 1937, Serial No. 140,284
11 Claims. (Cl. 94—18)



1. The combination with an expansion joint embedded between concrete road slabs, of an end seal for the expansion joint comprising a casing spanning the end of the expansion joint and projecting into the end faces of the adjacent road slabs, and an inherently expansible seal pad in the casing in sealing contact with the outer end of the expansion joint and overlapping the expansion space between the road slabs.

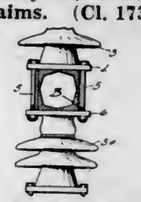
2,138,616
HAT FORM
Enrico Rupe, New York, N. Y.
Application July 1, 1936, Serial No. 88,359
4 Claims. (Cl. 223—24)

1. In a hat form for shaping machines, a vulcanized soft rubber base, a relatively thin vulcanized hard rubber covering for the crown, and



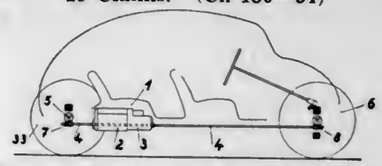
a vulcanized rubber covering on the brim and having a fibrous exposed surface.

2,138,617
ELECTRICAL CONDUCTOR
William M. Scott, Jr., Philadelphia, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of New Jersey
Application January 25, 1936, Serial No. 60,768
5 Claims. (Cl. 173—13)



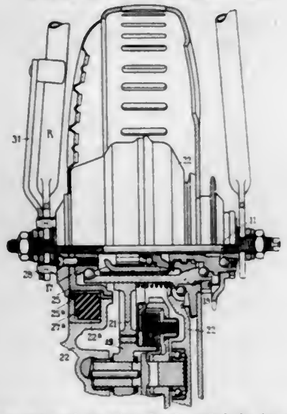
2. A system for transmission of heavy currents comprising a one-piece tubular conductor the cross section of whose wall has an outer perimeter between which and its inner perimeter said wall is non-uniform in thickness, thickest at the portion or portions of said outer perimeter toward which the current is forced by electromagnetic reaction occurring within said conductor itself, and at least one of said perimeters having polygonal contour.

2,138,618
INTERNAL COMBUSTION ENGINE FOR MOTOR CARS
Wilhelm Seyerle, Waldenbronn, near Esslingen-on-the-Neckar, Germany, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany
Application July 8, 1936, Serial No. 89,516
In Germany March 20, 1935
19 Claims. (Cl. 180—54)



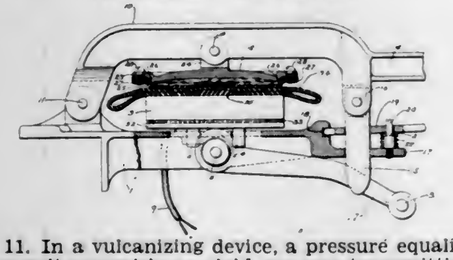
1. In an internal combustion engine, in combination, two cylinders arranged in V-form, a stiffening plate bridging the space between the cylinder ends and forming a triangle together with the cylinders, a groove-shaped supporting member for the crank-shaft of the engine, this member connecting the cylinder walls at the vertex of said triangle; and a web wall extending through the angular space between the cylinders and being connected at the one side to said groove-forming member and at the other side to said stiffening plate and being located substantially vertical relatively to this plate, the arrangement being such that the said groove-forming member and the said stiffening plate constitute the horizontal tensile ties, the web wall a vertical tensile tie, and the cylinders the diagonals of a framework-like bond.

2,138,619
FREEWHEEL BRAKE HUB DRIVEN BY A MOTOR MOUNTED IN THE DRIVING WHEEL
Gustav Steinlein, Forsthaus, Mainberg, near Schweinfurt, and Ludwig Bruckmoser, Schweinfurt, Germany
Application March 29, 1938, Serial No. 198,772
In Germany April 8, 1937
2 Claims. (Cl. 180—33)



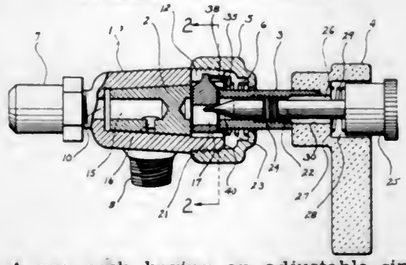
1. A free-wheel brake hub which is driven by a motor mounted in a driving wheel rotatably arranged in a vehicle frame, comprising a stationary member forming part of said free-wheel brake hub, a transmitting portion connected to said stationary member of said free-wheel brake hub, a casing for the gear of said motor and a resilient member consisting of an annular body of rubber, said annular body of rubber being vulcanized to said casing and to said stationary member of said free-wheel brake hub, the whole arrangement serving the purpose of transmitting the re-acting torque of said motor to said vehicle frame.

2,138,620
VULCANIZING DEVICE
Charles C. Strange, Port Richmond, Staten Island, N. Y., assignor of seventeen and one-half per cent to Eric J. Pilblad and seventeen and one-half per cent to Bess Aaronson, both of Meriden, Conn., and seventeen and one-half per cent to Alan J. McIntosh, seventeen and one-half per cent to Alvan L. Barach, and twelve and one-half per cent to Edmund J. Barach, all of New York, N. Y.
Substitute for abandoned application Serial No. 646,987, December 13, 1932. This application May 24, 1937, Serial No. 144,485
12 Claims. (Cl. 18—18)



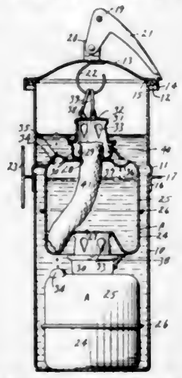
11. In a vulcanizing device, a pressure equalizing unit comprising a rigid pressure transmitting element, a container having a flexible wall associated with said element, and a plastic material adapted to flow readily under pressure confined in said container.

2,138,621
GAS VALVE
Vernon D. Beehler, Evanston, Ill., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill.
Application September 26, 1936, Serial No. 102,748
9 Claims. (Cl. 251—152)



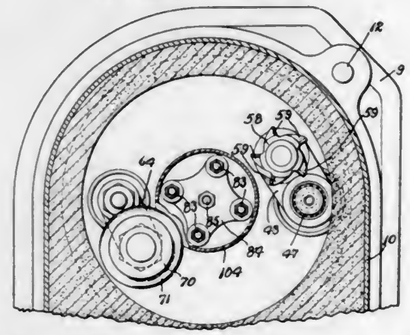
1. A gas cock having an adjustable simmer comprising a body, a rotating valve plug therein having a stem and handle attached, a cap on the body and a spring thereunder for holding the plug in place, the plug having a single inlet port and the body having a corresponding port registerable therewith at a definite stage of rotation, stop shoulders on the body for limiting rotation at either side of said stage, means forming a radial passage across the plug and a movable pin therein having a tapered end positioned to abut the stop shoulders at closed and at a partial open position respectively, said pin having a lateral passage, a threaded rod in the stem having an end of diminishing cross section insertable into the passage and movable in and out so as to engage the wall of the passage at different points along diminishing end and subject said pin to a corresponding lateral movement, said pin in response to said movement being operable to abut one of the shoulders at different points along its tapered end causing different degrees of partial opening of said cock, the handle having an opening for the rod and means on the rod having a shoulder for holding the handle on the stem, and a loose washer having a depending skirt portion adapted to loosely fit the space between the shoulders on the body with a recess in the skirt forming a temporary detent for the pin, the spring being operable against the washer and indirectly against the plug to releasably impress said washer against the pin.

2,138,622
FLARE ASSEMBLY
Clark M. Bolser, Des Moines, Iowa
Application May 2, 1936, Serial No. 77,503
8 Claims. (Cl. 67—55)



3. The combination of a container having a body element and a removable tight cover element, with a plurality of flares stacked in the container, each comprising a hollow metal body with a burner at its top, and having spaced holes in the upper part of the hollow body spaced from the burner for the passage of liquid fuel and gas and air, the flares having coacting parts to permit their being stacked without closing said holes.

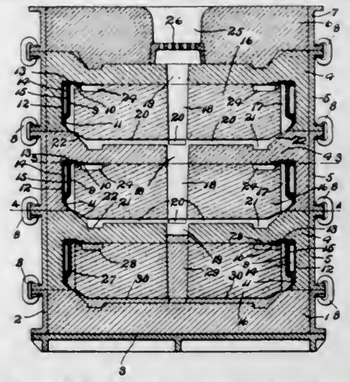
2,138,623
FOUNDRY MOLDING
Donald J. Campbell, Spring Lake Township, Ottawa County, Mich., assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon Heights, Mich., a corporation of Michigan
Application June 15, 1936, Serial No. 85,318
13 Claims. (Cl. 22—22)



1. In a machine of the class described, a support, a flask and mold supporting table carried at the upper part of the support and having an opening therethrough, said table being adapted to support a sand mold at its upper side, the mold having a substantially cylindrical mold cavity therein to be located over the opening in the table, a vertical shaft, means to hold the same rigid, a frame revolubly mounted on the shaft, a cutting head revolubly mounted on the frame and extending above the table, means for mounting the head to swing about a vertical axis spaced out of alinement with the said vertical shaft, means for driving said head, said head having a plurality of series of cutters thereon located in spaced apart horizontal planes whereby on swinging the cutter in one direction, the cutters are brought to the mold and grooves cut therein around and in conjunction with the mold cavity of said mold.

2,138,624
MOLD FOR MANUFACTURE OF BRAKE DRUMS
Donald J. Campbell, Spring Lake Township, Ottawa County, and Charles W. Dake, Grand Haven, Mich., assignors to Campbell, Wyant & Cannon Foundry Company, Muskegon Heights, Mich., a corporation of Michigan
Application April 26, 1937, Serial No. 138,962
8 Claims. (Cl. 22—116)

1. For use in brake drum manufacture, a flask having a sand mold therein, said mold having a cavity extending upwardly at its underside, a core within said cavity of less cross sectional area than the cavity of the mold thereby providing an annular recess between said mold and core, said core having a sprue hole extending therethrough with gates at the lower side thereof leading to the said recess extended around the core, a sheet metal brake drum shell around the core and spaced therefrom and also spaced from the sides of said mold cavity, and a metal shield ring located in said mold cavity and against the outer



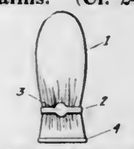
sides thereof defining a continuous annular air space between the same and said shell.

2,138,625
PERTUSED METAL SHEET
Edward A. Colby, Maplewood, N. J., assignor to Baker & Company, Inc., a corporation of New Jersey
Application August 7, 1930, Serial No. 473,730
2 Claims. (Cl. 29—180)



1. A sheet of ductile metal of any thickness up to approximately four thousandths of an inch provided with from approximately one thousand to sixty four hundred pertusions per square inch, the metal displaced to form the pertusions projecting integrally and angularly from the sheet to increase the rigidity and strength of the sheet.

2,138,626
SURGICAL DEVICE
S. Irving Copen, Boston, Mass.
Application June 17, 1938, Serial No. 214,177
2 Claims. (Cl. 2—21)

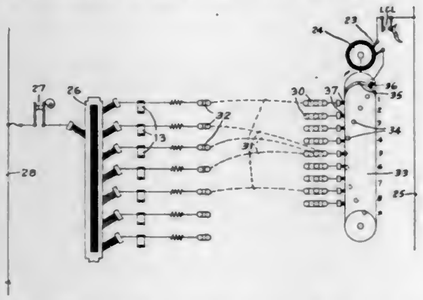


2. A protective device for medical and surgical purposes, comprising a finger-like element composed of extensible, yielding, flexible rubber, substantially of paper thickness having an elastic band attached and positioned at a point not more than half way from the open end of the finger-like element, said band being of a normal unstretched diameter, smaller than the diameter of the finger at the point where it is attached.

2,138,627
PRINTING MECHANISM
George F. Daly, West Orange, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application November 13, 1935, Serial No. 49,480
4 Claims. (Cl. 101—93)

1. In a machine of the class described, a plurality of type carriers, means for moving the

same to printing position, and means for causing the selective positioning of said carriers in the same manner for each operation to repeatedly print a number, said last named means comprising a plurality of magnets, one for each carrier,



a series of contacts, one for each digit, plug connections between said magnets and the contacts arranged in accordance with the number to be repeatedly printed and a commutator for completing circuits through said contacts in succession for each operation of the carriers.

2,138,628

HYDROXY-ETHOXY DERIVATIVES OF 2-PHENYLQUINOLINE-4-CARBOXYLIC ACID AND METHOD OF MAKING SAME

Paul Diedrich, Finkenkrug, Germany, assignor to Shering-Kahlbaum A. G., Berlin, Germany, a corporation of Germany

No Drawing. Original application February 20, 1934, Serial No. 712,254. Divided and this application March 4, 1936, Serial No. 67,089. In Germany February 22, 1933

10 Claims. (Cl. 260—287)

3. A 2-phenyl hydroxyethoxy-quinoline-4-carboxylic acid selected from the group consisting of 2-phenyl-6-hydroxyethoxy-quinoline - 4 - carboxylic acids and 2-phenyl-8-hydroxyethoxy-quinoline-4-carboxylic acids, said acid exhibiting considerably less toxicity than the hydroxy-2-phenyl-quinoline-4-carboxylic acids.

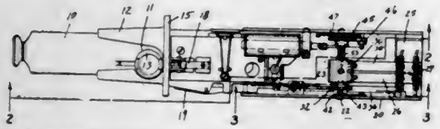
2,138,629

SWITCH DEVICE

Ralph R. Erbe, Fort Wayne, Ind., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill., a corporation

Application August 1, 1936, Serial No. 93,805

12 Claims. (Cl. 175—375)



1. A switch device, including an actuating member, a movable element for making and breaking an electric actuating circuit, mechanism actuated by said member for moving said element in one direction one or more units of movement for closing said circuit, electrically actuated means for moving said element a unit of movement in the opposite direction upon each actuation of said means for breaking said circuit upon return of said element to starting position, and means for adjustably setting said mechanism for moving said element a predetermined number of said units of movement upon a single actuation by said member.

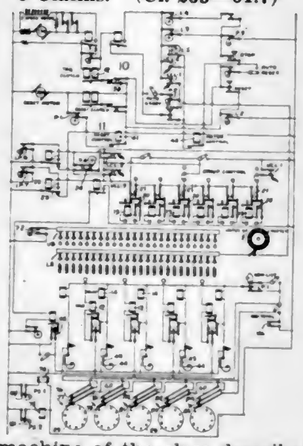
2,138,630

TABULATING MACHINE

John W. Galyon, Springfield, Ill., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application December 27, 1933, Serial No. 704,069

9 Claims. (Cl. 235—61.7)



4. In a machine of the class described, means for sensing data on a record, data accumulating means comprising a plurality of differentially positioned accumulating elements controlled by said sensing means, means positioned by the accumulating elements including manipulative means manually settable to represent any predetermined amount, control means rendered effective by the said manipulative means when the amount of the data in the accumulating means bears a predetermined relationship to the amount set up in said manipulative means, and means controlled by the said control means when it is rendered effective.

8. In a machine of the class described, means for sensing data on a record, data accumulating means controlled by said sensing means comprising a plurality of differentially positioned accumulating elements, printing means for printing amounts set up in the accumulating means including normally ineffective control circuits therefor, a plurality of selectors positioned by the accumulating elements including manually settable means positionable to represent any predetermined amount, and means controlled by the said settable means to render effective the said control circuits to permit printing when the amount in the accumulating means equals or exceeds the said predetermined amount.

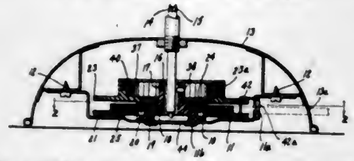
2,138,631

CORD TAKE-UP DEVICE FOR LAMPS AND THE LIKE

Albert B. Gardella, Cleveland, Ohio, assignor of one-half to George C. Guckes, Lakewood, Ohio

Application March 23, 1936, Serial No. 70,291

3 Claims. (Cl. 173—367)



1. In a take-up device for an electrical appliance having a hollow base opening downwardly

and a pair of electrical conductors extending upwardly from said base, a bracket secured to said base, a hub of insulating material rigidly mounted on said bracket, two reel disks of insulating material rotatably mounted on said hub, an upstanding annular flange on one of said disks extending toward the other disk to form spacing means between said disks, means securing said disks together, there being an annular recess between said hub and said flange, two pairs of coacting contact rings in said recess electrically insulated from each other, each pair comprising a stationary and a rotatable ring, an electrical conductor for each fixed ring secured to said ring and passing through a portion of said hub to the bottom thereof, there being a central opening through said hub, said appliance conductors extending down through said opening and secured one to each fixed ring conductor, an extension cord having a pair of conductors adapted to be connected at one end with a source of electrical energy and connected at their other ends one to each rotatable contact ring, and spring means biasing said disks in a direction to wind up said extension cord between them.

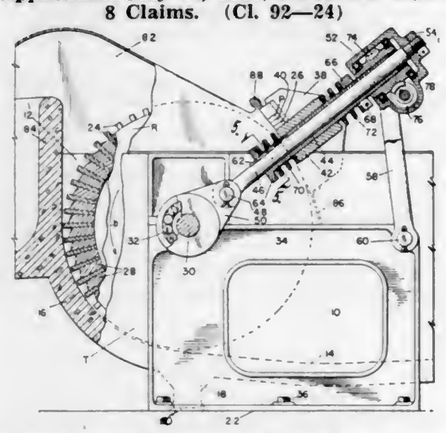
2,138,632

HIGH SPEED BEATER

Newenham A. Gray, Narberth, Pa.

Application July 20, 1936, Serial No. 91,556

8 Claims. (Cl. 92—24)



8. In a beater structure, a beater comprising a frame, a shaft supported thereby for rotation relative thereto, a beater roll secured to said shaft, a beater plate and means for mounting said beater plate for movement toward and away from said beater roll comprising guide elements extending radially with respect to said beater roll, links, one of the ends of said elements and links being connected together, the other of the ends of said elements and links being connected to the frame, all in triangular formation, resilient means mounted on said guide elements and constraining the plate to engage the roll when the beater is in operation and other resilient means also mounted on said guide elements and arranged in opposition to said first mentioned resilient means.

2,138,633

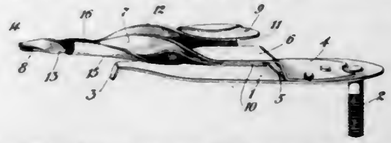
HEMMING ATTACHMENT FOR SEWING MACHINES

Max Greenfield, Coney Island, Brooklyn, and Abraham Blum, Bronx, N. Y.

Application May 21, 1938, Serial No. 209,216

2 Claims. (Cl. 112—141)

1. A guiding and hemming device for sewing machines adapted to form a rolled edge on fabrics comprising a base adapted to be secured to the work plate of a sewing machine in advance of the stitch forming mechanism, a guiding and hemming device having the entrance end thereof secured to said base, a spiral guide including two superposed cooperating spiral elements ex-



tending therefrom rearwardly towards said stitch forming mechanism, said guide tapering to practically a point at its free end, and a fin at one side of said spiral adapted to turn the fringe of said fabric into the folds thereof, said fin being secured to one of said spiral elements, said fin being located forwardly of said point.

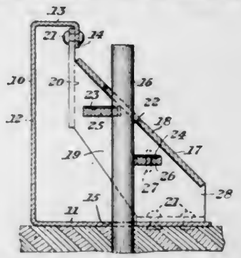
2,138,634

ROAD RAIL STAKE POCKET

Edward L. Harrington, Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey

Application September 30, 1936, Serial No. 103,308

2 Claims. (Cl. 25—118)



1. The combination of an L-shaped road rail and a stake pocket for the road rail, said pocket comprising a member extending between the edges of the rail, having side walls and a sloping top wall, a stake hole intermediate the ends of said top wall, there being a stake hole in the horizontal member of the rail in vertical alignment with the stake hole in said member, said second-mentioned stake hole being smaller than the first-mentioned stake hole, and slots in the side walls of the member in different horizontal planes and on opposite sides of the center line of said holes for receiving two independent wedges, whereby the rail may be anchored against lateral movement when a stake is driven through said holes and the wedges are tightened against said stake.

2,138,635

ILLUMINATING FIXTURE

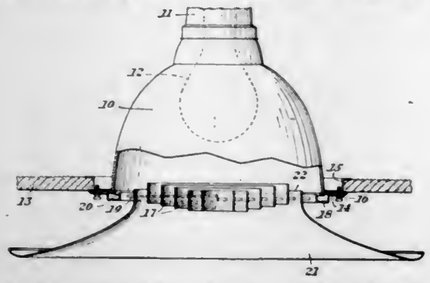
John A. Hoeveler, Mount Lebanon, Pa., assignor to Pittsburgh Reflector Company, Pittsburgh, Pa., a corporation of New Jersey

Application June 16, 1937, Serial No. 148,449

5 Claims. (Cl. 240—78)

1. In a lighting fixture adapted to receive a light source, a reflector bowl on one side of said source, a louver system on the other side of said source effective to conceal the latter when viewed from points laterally of the axis of said reflector, and means for distributing light laterally of said axis and rearwardly, comprising a ring having a substantially cylindrical neck portion spaced inwardly from the edge of said reflector bowl, substantially in the same plane therewith, and

adapted to intercept the outermost rays emanating from said reflector, and a substantially frusto-conical portion extending outwardly from said neck portion, spaced from the outer edge of said



bowl and adapted to reflect the light laterally of said axis and rearwardly relative to the direction of the major portion of the light emanating from the reflector.

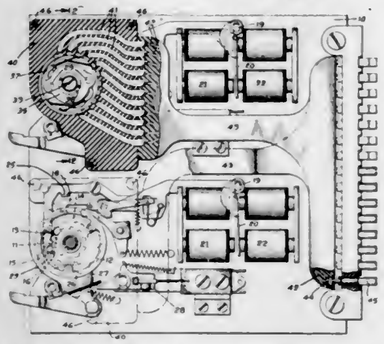
2,138,636

COMMUTATOR

Clair D. Lake, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application June 11, 1936, Serial No. 84,677

3 Claims. (Cl. 235—61.6)



1. A readout device for an accumulator including a ring of spaced contact segments and a rotatable brush structure with means for rotating the same to successively contact said segments, said structure comprising a support of insulating material lying in the plane of said ring of contact segments and provided with a serpentine groove in its face, a flexible multi-strand wire inserted in said groove with its opposite ends extending therefrom to engage said segments and means to hold the wire in the groove, the curvature of the groove serving to frictionally prevent longitudinal movement of the wire therein.

2,138,637

ALLOYS

Robert H. Leach, Fairfield, Conn., assignor to Handy & Harman, New York, N. Y., a corporation of New York

No Drawing. Application April 23, 1938, Serial No. 203,824

7 Claims. (Cl. 75—173)

1. An alloy which consists of silver from about 40% to about 60%, copper from about 1% to about 15%, manganese from about 5% to about 15%, zinc from about 10% to about 30%, nickel from about 2% to about 7.5%, and silicon from about 0.15% to about 0.40%.

2,138,638

ALLOYS

Robert H. Leach, Fairfield, Conn., assignor to Handy & Harman, New York, N. Y., a corporation of New York

No Drawing. Application April 23, 1938, Serial No. 203,825

7 Claims. (Cl. 75—173)

1. An alloy which consists of silver from about 40% to about 70%, copper from about 20% to about 50%, manganese from about 5% to about 15%, nickel from about 2% to about 7.5%, and silicon from about 0.15% to about 0.40%.

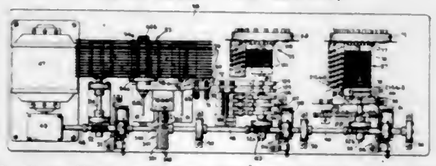
2,138,639

SYSTEM OF CODING AND DECODING

Walter S. Lemmon, New York, Charles R. Doty, Binghamton, Richard F. Walz, Endicott, N. Y., and Albert C. Holt, Princeton, N. J., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application May 22, 1936, Serial No. 81,178

75 Claims. (Cl. 197—4)



1. A coding and decoding machine comprising a manually operable primary machine, a secondary machine operable from the first, a circuit changing element interposed between and interconnecting the machines, said element provided to connect the entire series of characters comprising the alphabet of the said machines and consists of individual circuit changing devices for certain of the characters of the series, controlling means for said circuit changing devices, and means to operate arbitrarily at irregular intervals the individual circuit changing device control means.

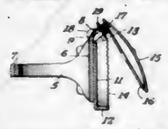
2,138,640

FINGER RING

Nat Levy, New York, N. Y.

Application June 19, 1937, Serial No. 149,075

1 Claim. (Cl. 63—15)



A finger ring, comprising a band provided with an angular extension, a box secured on said band and having a serrated flange interrupted to expose said extension, a cover hinged to said extension and positioned thereby for clamping engagement with said serrated flange and spring means on said cover for yielding engagement with said extension.

2,138,641

ACCOUNTING MACHINE

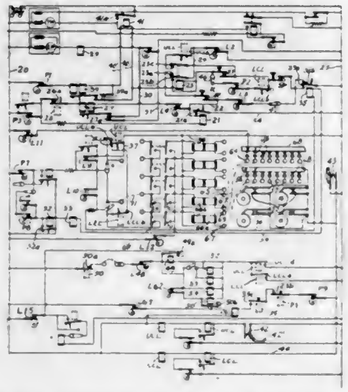
Gustav V. A. Malmros, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application August 14, 1935, Serial No. 36,081

1 Claim. (Cl. 235—61.6)

In a cyclically operating accounting machine including a pair of entry receiving devices and

means for controlling the devices in entering operations; the combination of connecting means between said devices and the controlling means for selectively placing one or the other of the devices under control of said controlling means; a magnet for controlling said connecting means; a cyclically timed holding circuit for said magnet; an initiating circuit, including cam contacts closed each cycle and a closed switch, for initiating energization of said holding circuit; means controlled by said holding circuit, when the latter circuit is closed during a cycle, for opening said switch after said magnet has been energized; and cyclically timed means for holding



said switch opening means in effective condition to maintain the switch open during the making of said cam contacts in the next cycle to prevent formation of the initiating circuit during the latter cycle and also controlling said switch opening means to permit reclosing of said switch before the cam contacts make during the cycle after the latter cycle, whereby the initiating circuit and consequently the holding circuit are closed during alternate cycles to cause the magnet to render the connecting means effective alternately to place first one and then the other of the devices under control of said controlling means.

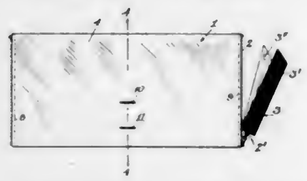
2,138,642

HAT

Elizabeth F. Mann, New York, N. Y.

Application July 23, 1938, Serial No. 220,896

4 Claims. (Cl. 2—198)



1. A hat comprising a substantially rectangular body, means for connecting the ends of the body together to present a tubular formation open at both ends, a tie member connected to one corner of said body, said tie member having a pair of ends, and means forming a pair of buttonhole openings in the body centrally thereof and on one side of the longitudinal central line adapted to receive one of said ends when the body is in position for use, the other end interlocking with the first mentioned end to form a knot.

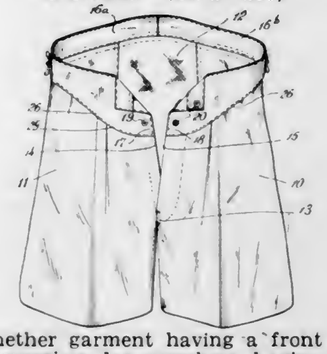
2,138,643

UNDERGARMENT

Austin N. Oppenheim, Brooklandville, Md., assignor to The B. V. D. Corporation, New York, N. Y., a corporation of Delaware

Application June 4, 1938, Serial No. 211,754

4 Claims. (Cl. 2—236)



1. A nether garment having a front opening which comprises leg members having vertical edges partly defining said opening and adapted to overlap, a waist band secured to the top of the leg members and folded to overlie the faces of the members at the front of the garment and secured thereto below the top, the end edges of the waist band being aligned with the vertical edges of the respective leg members and partly defining said front opening, and cooperating fastener elements mounted on the ends of the waist band to close said front opening, each element on the underlying end consisting of parts lying, respectively, against the inner and outer faces of the overlying portion of the waist band and connected through said band, the parts lying against the inner face of the band being concealed by the portion of the garment upon which the waist band is folded.

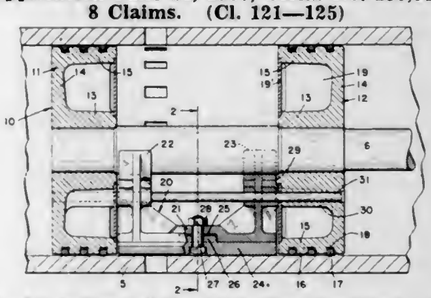
2,138,644

PISTON STRUCTURE FOR UNIFLOW STEAM ENGINES

Everett C. Read, Milwaukee, Wis., assignor to The Filer & Stowell Co., Milwaukee, Wis., a corporation of Wisconsin

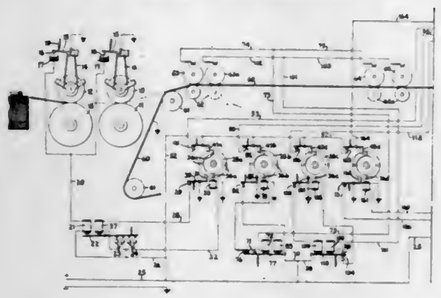
Application June 24, 1937, Serial No. 150,042

8 Claims. (Cl. 121—125)



1. An engine of the character described comprising a cylinder, a piston rod reciprocable in said cylinder, a piston on said rod having spaced piston heads fixed thereto, the peripheral surfaces of said piston heads being slightly spaced from the wall of the cylinder, piston rings carried by said heads and having steam tight engagement with the wall of said cylinder, and a supporting slide for the piston positioned in between said heads and riding on the lower portion of the wall of the cylinder and having direct supporting engagement with the piston rod intermediate said piston heads.

2,138,645
SORTING MACHINE
Emile Jean Francois Rey, Roanne, France, assignor to Papeteries Navarre, Lyon, France, a limited liability company
Application July 26, 1934, Serial No. 737,129
In France July 29, 1933
27 Claims. (Cl. 209—75)



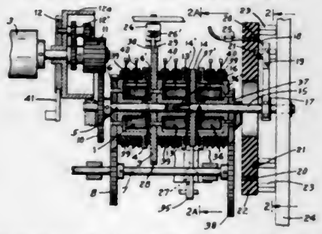
2. In a machine for sorting sheets of paper or the like, the combination comprising driving rollers for advancing the sheets, means for testing the thickness of sheets passing through the machine, said means including a multiplicity of sensing rollers in spaced relation to the driving rollers and collectively arranged to sense the entire width of a passing sheet, and circuits controlled by the rotation of any one of said sensing rollers for causing the rejection of sheets defective on account of excessive thickness.

3. In a machine for sorting sheets of paper or the like, the combination comprising driving rollers, a metallic screen driven by said driving rollers and advancing sheets in the machine, means for determining whether a sheet upon the screen is of desired length, said means including circuit-controlling contact means making electrical contact with the screen and adapted to be insulated therefrom by the presence of paper on the screen, means for rejecting sheets having lengths outside of the permissible tolerance, circuits controlled by said contact means for causing said rejecting means to reject from the machine all sheets which do not measure within the length and tolerance permitted.

7. In a machine for sorting sheets of paper or the like, the combination comprising means for weighing sheets of paper in transit through the machine, means for imparting to said sheets of paper a constant velocity and for directing said sheets of paper against said weighing means, means normally operative to cause the rejection of underweight sheets, and circuits controlling relays to interrupt the operation of said rejecting means to permit passage of sheets through the machine which are determined by said weighing means to exceed the minimum weight.

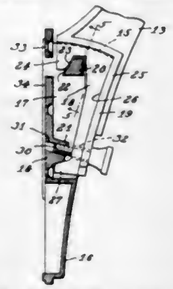
21. In a machine for sorting sheets of paper or the like, in combination, means for moving a succession of sheets through the machine and means for discharging at a standard sheet discharge station only those of the said sheets which have uniform characteristics of thickness, length, opacity, and weight, said last-mentioned means including circuit-controlling devices for testing the sheets of paper for all of said characteristics, and means controlled by electrical circuits under control of the testing devices for diverting sheets non-standard as to each of said characteristics to prevent their discharge at the discharge station, said thickness and opacity testing devices being sensitive to non-standard conditions at any point on the surface of each sheet of paper, and said length testing device being sensitive to non-standard length at any point across the entire width of the sheet of paper.

2,138,646
PAPER FEEDING DEVICE
Walter P. Scharr, Berlin-Lankwitz, Germany, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 24, 1938, Serial No. 209,700
In Germany June 5, 1937
13 Claims. (Cl. 197—133)



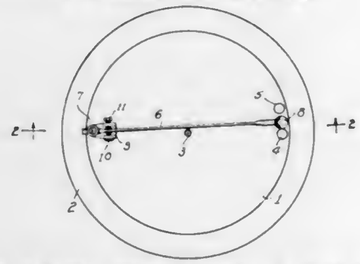
1. In a machine for feeding a record sheet to receive printing impressions on predetermined lines, means for holding said sheet, a driving means, a magnetic clutch for engaging said driving means with said holding means to feed said sheet, means for disengaging said clutch to stop sheet feeding, a settable electrical contact device, means for moving said device in synchronism with the sheet feed, means under control of said device for operating said clutch and said disengaging means at predetermined line positions on the sheet to limit the print receiving area thereon.

2,138,647
FLOWER BASKET BRACKET FOR HEARSES
Earl L. Schofield, Freeport, Ill., assignor to Henney Motor Company, Freeport, Ill., a corporation of Delaware
Application October 23, 1936, Serial No. 107,261
6 Claims. (Cl. 248—223)



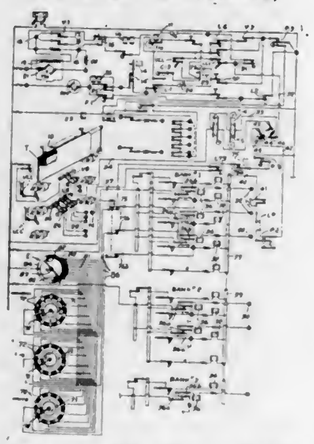
1. A detachable bracket structure comprising an anchor plate, a bracket, a lug integral with said bracket upwardly spaced from the lower end thereof and formed to hook over the top of a supporting portion on the upper end of the anchor plate, the lug and coacting supporting portion having inclined, nearly vertical cam surfaces in slidable wedging engagement whereby to urge the bracket inwardly toward tight engagement with the anchor plate when said bracket is forced downwardly relative to said plate, and another lug integral with said bracket in downwardly spaced relation to the first lug and formed to engage beneath an abutment portion on the lower end of the anchor plate, said second lug and coacting abutment portion having inclined, nearly horizontal surfaces in slidable wedging engagement whereby to urge the bracket downwardly relative to the plate when the lower end of the bracket is forced inwardly toward said plate.

2,138,648
ROTARY SPEED ALARM
Oscar Stankey, East St. Louis, Ill.
Application September 22, 1937, Serial No. 165,049
3 Claims. (Cl. 116—74)



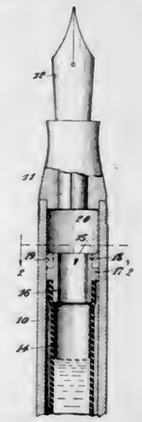
3. In a speed signal, a plate adapted to be mounted on a rotationally driven member to rotate in unison therewith, a striker bar extending transversely across said plate and fixed at one end thereto and having its other end free, a pair of sounding elements spaced apart on said plate to either side of said free end of the bar and alternately engageable by the latter to sound said signal, and means for pressing said bar intermediate its ends to make said striker bar free end bear against one of said sounding elements, whereby said bar will intermittently and alternately strike said sounding elements only through a predetermined speed range below the maximum speed of said driven member.

2,138,649
REPEAT PRINTING OF ITEMS
Hermann A. Weinlich, Berlin-Wilmersdorf, and Karl Heinrich Breinlinger, Berlin-Grunewald, Germany, assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application July 24, 1936, Serial No. 92,336
In Germany January 2, 1936
20 Claims. (Cl. 101—93)



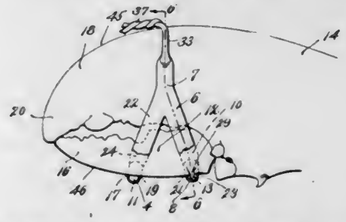
1. In a machine operating cyclically on item bearing record cards passing through the machine successively, one each cycle; the combination of printing means including type elements, a type selector for selecting the type elements for printing, card-controlled means to set the selector a single time according to a selected card item, automatic repeat control means, including means operated recurrently, once during each cycle of passage of a card, for automatically effecting repeated selection of the type elements by the selector, once during each such cycle, according to the single setting of the latter, and means to automatically initiate cancellation of the setting of the selector after a plurality of repeat selections have been effected.

2,138,650
FOUNTAIN PEN
John N. Whitehouse, Camden, N. J.
Application January 6, 1938, Serial No. 183,565
12 Claims. (Cl. 120—42)



1. A fountain pen comprising a barrel, a collapsible reservoir therein, a pen section in one end of said barrel, said barrel being provided with a chamber intermediate said collapsible reservoir and said pen section, said chamber having formed as a part thereof a trap for retaining a relatively small quantity of ink when said pen is moved from writing to inverted position.

2,138,651
LOBSTER-CLAW LOCK
Leon Joachim Barwood, Cambridge, Mass.
Application January 23, 1936, Serial No. 60,515
18 Claims. (Cl. 17—1)



1. A claw lock for use with a claw having an integral projection, the lock comprising a member having a depression for receiving the projection, and means for securing the lock to the claw with the projection in the depression, the walls of the depression being adapted to engage the projection to prevent displacement of the lock in the neighborhood of the projection.

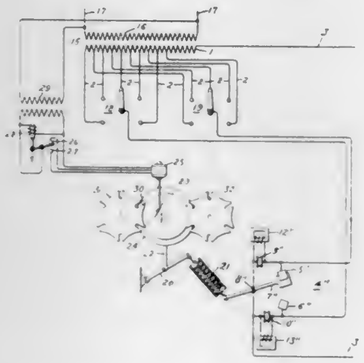
2,138,652

ELECTRIC SWITCHING

Josef Biermanns, Berlin-Johannisthal, Germany, assignor to General Electric Company, a corporation of New York

Application June 22, 1936, Serial No. 86,680. Renewed March 17, 1938. In Germany July 10, 1935

6 Claims. (Cl. 171—119)



1. In an electric power circuit, switching means for selectively connecting a conductor which is included in said circuit to any one of a plurality of different points in said circuit, and a plurality of negative impedance-current characteristic impedances connected respectively between said conductor and said points.

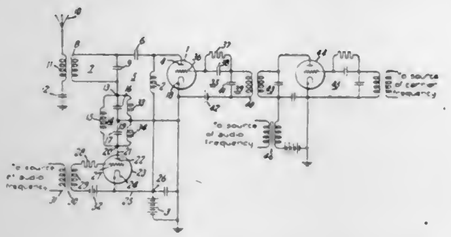
2,138,653

HIGH EFFICIENCY MODULATING AND AMPLIFYING SYSTEM

Robert B. Dome, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York

Application October 29, 1937, Serial No. 171,675

6 Claims. (Cl. 179—171)



1. In a transmitting system comprising a source of carrier waves, a load circuit, an amplifier adapted to transfer energy between said source and said circuit and having an output circuit, a source of modulating potentials, means to modulate said carrier waves in accordance with said potentials, and a source of direct current for said output circuit, the method of operation which includes transferring a portion of the load in said output circuit to said load circuit, rectifying another portion of said output circuit load in accordance with said modulating potentials, and adding said rectified portion to the current in said output circuit from said direct current source.

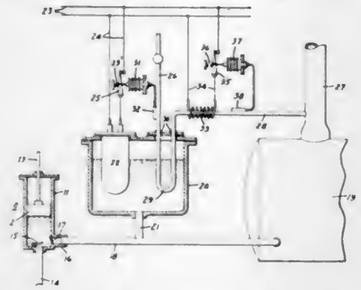
2,138,654

PRESSURE EQUALIZING ARRANGEMENT FOR RECIPROCATING PUMPS

John H. Doran, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application December 29, 1937, Serial No. 182,280

6 Claims. (Cl. 103—224)



1. In an elastic fluid generator plant, a pulsating fluid pump, an elastic fluid generator, a conduit for conveying fluid from said pump to said generator, a chamber in communication with said conduit adjacent said pump for equalizing fluctuations in pressure caused by said pump, a conduit for conveying elastic fluid from said generator to heat fluid in said chamber to form a vapor cushion in the upper portion of said chamber, auxiliary heating means associated with said chamber, means for controlling said auxiliary heating means upon a predetermined temperature obtaining in said elastic fluid conduit adjacent said chamber.

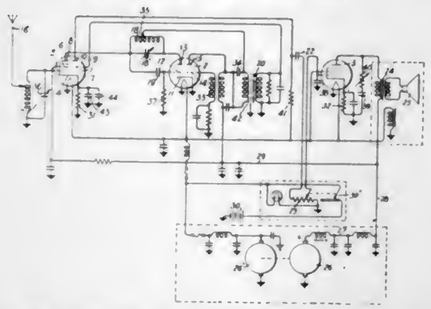
2,138,655

RECEIVING SYSTEM

George W. Fyler, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application June 21, 1935, Serial No. 27,701

14 Claims. (Cl. 250—20)



1. The method of operation of a super-regenerative detector, comprising an electron discharge device having an anode, a cathode and a grid, and connections from said cathode to said grid and anode respectively, which includes the steps of supplying oscillatory voltage from said anode connection to said grid connection to produce regeneration and maintain the magnitudes of the oscillatory voltages on said grid and anode at the frequency at which said detector is regenerative in a ratio such that the intensity of signal output from said detector is substantially constant irrespective of variations in intensity of signal supplied to said detector over the widest range of said variations.

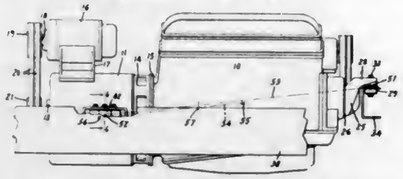
2,138,656

POWER UNIT

Hubert W. Gouldthorpe, Wesleyville, Pa., assignor to General Electric Company, a corporation of New York

Application April 10, 1937, Serial No. 136,127

2 Claims. (Cl. 248—7)



1. A power unit including a prime mover and an electric generator driven thereby, said prime mover having a stationary member, said generator having a rotatable member and a stationary member, means for rigidly securing together said prime mover stationary member and said generator stationary member, and resilient means arranged adjacent the end of said prime mover stationary member opposite from said rigid securing means and on two diametrically opposite sides and longitudinally equidistant from an end of said generator stationary member in substantially the same plane for supporting said power unit and for providing a distribution of forces about said rigid securing means to produce substantially only shear forces thereon, said plane extending substantially parallel to the principal mass axis and substantially through the center of gravity of said power unit.

2,138,657

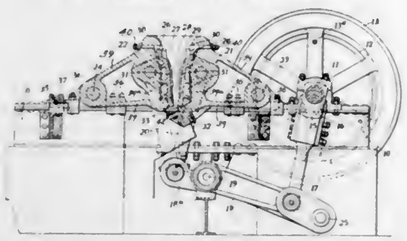
CRUSHING AND BREAKING APPARATUS

William Arthur Hiscox, Littleover, near Derby, England

Application December 30, 1935, Serial No. 56,729

In Great Britain January 10, 1935

3 Claims. (Cl. 83—53)



1. In a crushing and breaking apparatus the combination with a pair of co-operating substantially triangularly shaped jaws pivotally mounted at their apexes for vertically oscillating crushing movement and actuating means for imparting an oscillating motion to said jaws, said jaws having crushing faces adapted to perform primary crushing on the downstroke and secondary crushing on the upstroke, a discharge restricting element secured to the lower end of one of said jaws, overlapping the lower end of the second jaw when said jaws are in their uppermost position, thus closing the space between the lower ends of said jaws to retain material in the lower space between the jaws for secondary crushing, said element during the downward movement of said jaws being gradually moved away from the second jaw so as to gradually expose the space between the lower ends of said jaws, whereby crushed material may be discharged from said lower space.

2,138,658

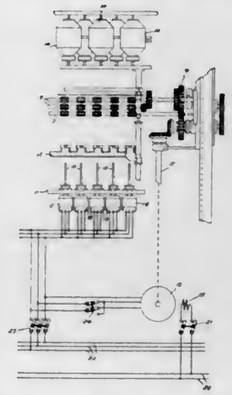
DRIVING MEANS FOR SPINNING MACHINES

Tatsuo Hongo, Yokohama, Japan, assignor to General Electric Company, a corporation of New York

Application August 25, 1937, Serial No. 160,874

In Japan November 16, 1936

6 Claims. (Cl. 118—43)



1. The combination with a spinning machine or the like provided with thread feeding means and spindles, of separate polyphase motors for driving said spindles and said feeding means, one of said motors being a synchronous motor provided with a direct-current field winding and the remainder of said motors being asynchronous motors, connections for energizing said spindle motors and said synchonous motor in parallel with each other from a source of alternating current, connections for energizing said field winding from a source of direct current, and means for disconnecting said motors from the alternating-current supply source while maintaining said parallel connections between said motors whereby said motors are decelerated in synchronism with each other.

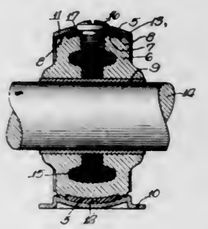
2,138,659

SHAFT BEARING

Arnie J. Kindig, South Bend, Ind., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind., a corporation of Indiana

Application September 2, 1936, Serial No. 99,075

1 Claim. (Cl. 308—26)



A shaft bearing structure comprising an annular member having therein a bearing for a shaft, said member having in its periphery a shallow groove extending around the periphery, the ground surface of said groove being spherical, a ring of non-metallic, elastic, load sustaining material fitted around said member in said groove, said ring having inner and outer spherical surfaces and being of greater thickness than

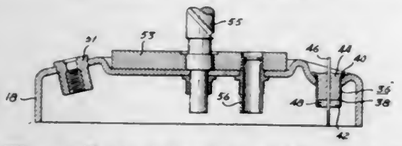
the depth of said groove, and a housing in which said member is mounted, said member bearing in the housing through said ring.

2,138,660

REFRIGERATING APPARATUS

Cecil A. Mann, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application October 24, 1934, Serial No. 749,787
9 Claims. (Cl. 173—311)



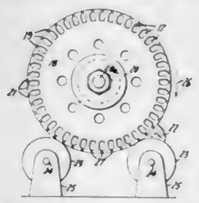
3. The method of forming a base for a sealed motor-compressor unit having an apertured metallic housing member which comprises assembling a metal bushing, a conductor and a body of vitreous frit in said aperture, applying spelter to portions of the metal parts and firing the entire assembly at a temperature to both braze metal parts together and melt the vitreous frit.

2,138,661

METHOD OF MAKING DYNAMO-ELECTRIC MACHINES

Howard Maxwell, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application April 1, 1937, Serial No. 134,321
5 Claims. (Cl. 29—155.53)



1. The method of making an open slot winding dynamo-electric machine which comprises forming a series of winding slots in core laminations with a restricted portion on the outer edge of the slots small relative to the body portion of the slots, assembling a group of the laminations with the winding slots arranged in intercommunicating relation, filling the restricted portion of the slots with a hardenable flowable insulating filler, hardening the filler therein, and casting a winding in the winding slots.

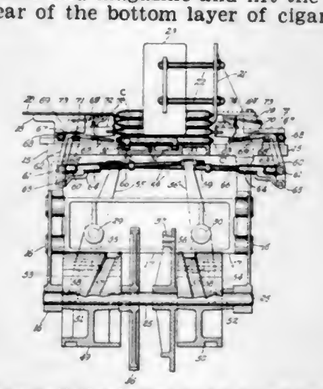
2,138,662

CIGAR FEED FOR CELLOPHANING AND BANDING MACHINES

Joseph A. Neumair, Hollis, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey

Application June 8, 1932, Serial No. 616,109
19 Claims. (Cl. 131—39)

1. In a cigar feed, the combination with a magazine adapted to contain a plurality of stacked layers of cigars, of a table underlying said magazine, devices for engaging both ends of the bottom layer of cigars to support the mass of cigars in said magazine, and means for forwarding cigars on said table away from said magazine, said devices being operative to lower the cigars in said magazine and lift the mass of cigars clear of the bottom layer of cigars to release and permit the latter to be forwarded along said table by said means.

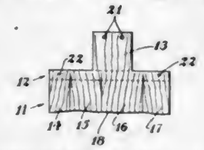


2,138,663

SHINGLE AND ASSEMBLY OF THE SAME

William Stanley Miles, Hastings on Hudson, New York, assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York

Application September 19, 1935, Serial No. 41,229
1 Claim. (Cl. 108—8)



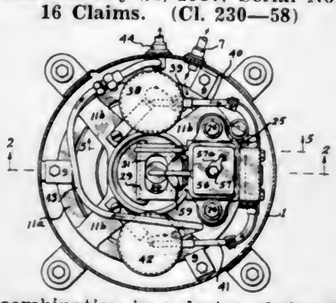
A shingle comprising a butt, a head substantially as wide as the butt, and a narrow extension from the head, the said extension being of height equal to the butt as assembled on a building and the center of the said extension being offset laterally with respect to the center of the head by one-half the height of the head.

2,138,664

COMPRESSOR AND LUBRICATING MEANS

Roland H. Money, Cincinnati, Ohio, assignor to The Crosley Radio Corporation, Cincinnati, Ohio, a corporation of Ohio

Application January 21, 1937, Serial No. 121,630
16 Claims. (Cl. 230—58)



1. In combination in a device of the character described, a housing, a motor and a compressor therein, said compressor having a cylinder block, and said housing adapted to contain a quantity of oil, supplementary pump means in connection with said compressor to withdraw oil from said quantity, and oil accumulating means for maintaining a body of the oil so withdrawn in heat

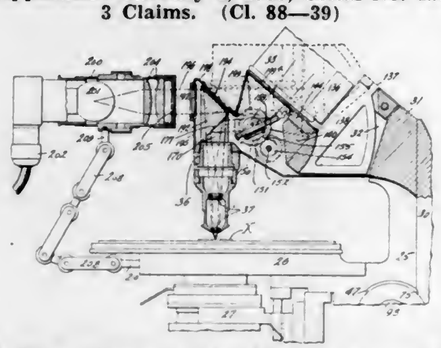
exchange relationship with said cylinder block, said last mentioned means comprising a reservoir housing attached to and covering substantially an entire wall of said cylinder block, and having means for releasing some of the oil so retained, so as to permit it to bathe other external surfaces of said cylinder block.

2,138,665

MICROSCOPE

Harvey N. Ott, Buffalo, N. Y., assignor to Spencer Lens Company, Buffalo, N. Y.,

Application January 4, 1935, Serial No. 423
3 Claims. (Cl. 88—39)



1. In a microscope, an objective, a mounting therefor, an ocular system, a body member upon which the latter is mounted, a reflecting element mounted in fixed relation to said objective for receiving image rays from said objective and diverting them at an angle to the axis of said objective, a first surface reflector, a support therefor pivotally mounted in said body member to support said reflector in position to receive said diverted rays and direct them along the axis of said ocular system, a relatively stationary main support, a pivotal connection between the same and said body member, the axis of which pivot coincides with the axis of said reflector mounting so that said body tube may be swung about said pivot to place said ocular system into different angular relations to said objective, and reflector actuating means, including gearing carried by said main support and operatively engaging said body member and said first surface reflector mounting, said gearing being in two to one ratio and movable by said swinging movements of said body member to transmit motion to said reflector support to shift said first surface reflector through one-half the angular displacement relatively to said objective through which said ocular system is moved by said body member movements, whereby the rays leaving said reflector will continue to be directed along the axis of said ocular system in the different operative angular positions of said body member.

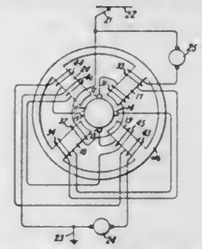
2,138,666

DIRECT CURRENT DYNAMO-ELECTRIC MACHINE

Giuseppe M. Pestarini, Turin, Italy

Application February 2, 1937, Serial No. 123,715
In Great Britain January 24, 1934
25 Claims. (Cl. 171—123)

1. A metadyne dynamo-electric machine provided with a stationary member and an armature having winding conductors and a commutator connected thereto, means including a primary brush set and a secondary brush set associated with said commutator for providing a primary circuit and a secondary circuit respectively through said armature, said secondary brush set being electrically displaced from said primary brush set, an electrical load, means for connecting said electrical load across a brush of said primary brush set and a brush of said secondary brush set forming a load loop, a second electrical load, means for connecting said second electrical load across another brush of said primary brush set and another brush of said secondary brush



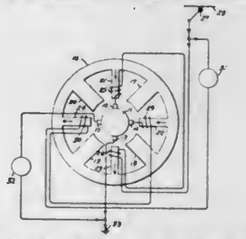
set forming a second load loop, and means for inducing an electromotive force in armature conductors connected directly between a primary brush and a secondary brush and through said brushes across an external load in opposition to electrical potential differences tending to cause the circulation of non-uniform currents in said load loops.

2,138,667

DIRECT CURRENT COMMUTATING TYPE DYNAMO-ELECTRIC MACHINE

Joseph M. Pestarini, Turin, Italy

Application February 2, 1937, Serial No. 123,716
In Great Britain January 24, 1934
13 Claims. (Cl. 172—239)



1. A metadyne dynamo-electric machine provided with a stationary member and an armature having winding conductors and a commutator connected thereto, means including a primary brush set and a secondary brush set associated with said commutator for providing a primary circuit having a primary commutating zone and a secondary circuit having a secondary commutating zone respectively in said armature, said secondary brush set being electrically displaced from said primary brush set, an electrical load, means for connecting said electrical load across a brush of said primary brush set and a brush of said secondary brush set forming a load loop, a second electrical load, means for connecting said second electrical load across another brush of said primary brush set and another brush of said secondary brush set forming a second load loop, and means for producing a substantially uniform and equal magnetic excitation along each respective commutating zone of said armature.

2,138,668

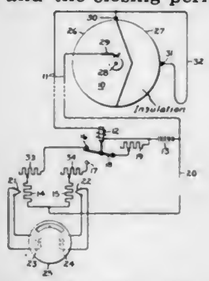
TELEMETERING SYSTEM AND APPARATUS

Clyde E. Stewart, Upper Darby, Pa., assignor to General Electric Company, a corporation of New York

Application September 10, 1936, Serial No. 100,151
8 Claims. (Cl. 177—351)

1. A telemetering system comprising, a transmitter, a telemetering circuit, receiving appa-

ratus, and a source of supply for the telemetering circuit and receiving apparatus, the transmitter comprising means for opening and closing the telemetering circuit and repeating such opening and closing cycle continuously at a constant rate together with means for progressively varying the opening and closing period relation per cycle from a relation where these periods are equal to a relation where the open period is reduced to zero and the closing period is increased



to the full time of the cycle, the receiving apparatus comprising a relay which is energized and deenergized in accordance with the circuit-closing and opening operations of the transmitter, and differential electrical measuring means having opposing energizing circuits respectively energized through said relay as the relay is energized and deenergized for producing a measurement proportional to the difference between the time the relay is energized and the time it is deenergized.

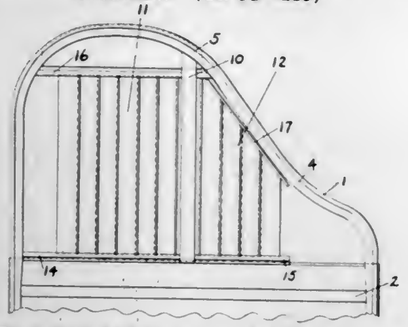
2,138,669

TONE DEFLECTOR FOR GRAND PIANOS

Herschel E. Tower, Cincinnati, Ohio, assignor to The Baldwin Company, Cincinnati, Ohio

Application October 3, 1936, Serial No. 103,885

5 Claims. (Cl. 84—189)



1. In a grand piano a case having a rim, a rail extending across said rim at the forward end thereof, a soundboard resting on said rim and said rail, and tone deflectors in said case below said soundboard, said deflectors being flat panel-like structures of sound reflecting material and of elongated shape, said deflectors being located substantially horizontally as respects their length but being tilted at an angle to the horizontal widthwise and fixed in such a position as to deflect outwardly sound waves emanating downwardly from said soundboard.

2,138,670

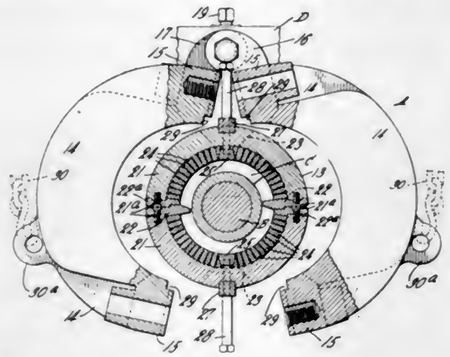
PRESS CAGE CONSTRUCTION

Charles B. Upton, Piqua, Ohio

Application October 15, 1935, Serial No. 45,014

5 Claims. (Cl. 100—48)

4. In a screw press, the combination of a main supporting frame, a press cage, and a rotary pressure screw disposed axially in the cage, said cage comprising an outer reinforcing skeleton frame divided longitudinally substantially on the axial plane of the cage into separable sections mounted on the main frame for one section to swing away from the other to open said outer frame, and a removable inner cage unit comprising longitudinally divided separable skeleton frame sections, separate longitudinal bars lining



said inner unit sections and forming drainage slits between the bars, and clamping means removably clamping said separate bars in said inner unit sections and including operating members extending to the exterior of said outer frame through passages provided between the sections thereof at their dividing plane, said inner unit sections being removable from said outer frame with their bars and bar clamping means intact when said outer frame is opened.

2,138,671

CONTINUOUS CONVEYER

Albert F. White, Toronto, Ontario, Canada

Application April 22, 1938, Serial No. 203,492

5 Claims. (Cl. 198—168)



1. A continuous flow elevator comprising a casing including a substantially entirely enclosed rising leg, an inlet at the bottom of the rising leg and a front outlet at the upper part of the said leg; and a conveyer element comprising an endless chain mounted to move longitudinally of the casing, a plurality of conveyer flights each substantially filling the cross section of the rising leg, and hangers rigidly secured to the flights and pivotally connected to the chain whereby each flight hangs freely from the chain.

2,138,672

METHOD FOR PULVERIZING CEMENTED CARBIDES

Frank F. White, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

No Drawing. Application March 30, 1935, Serial No. 13,931

8 Claims. (Cl. 83—94)

1. In a method for pulverizing a hard cemented carbide composition, the steps which comprise heating said cemented carbide in a carbonaceous atmosphere and at a temperature sufficiently high to cause said cemented carbide to assume a spongy condition and thereafter cooling said spongy material.

2,138,673

GARMENT CLASP

Randall B. Young, Akron, Ohio

Application December 24, 1936, Serial No. 117,524

7 Claims. (Cl. 24—247)



5. In a stud-type clasp for holding flexible material at points not provided with openings sufficiently large to receive the stud, a back member, a front member having an opening and being carried by said back member, said back member being provided with an aperture having a downwardly directed narrower extension, the side walls of said extension being substantially parallel; a lug having a shank portion of elongated cross-section rotatably mounted in said aperture and receivable in said extension when positioned edgewise thereof, said shank portion having flat portions when entered in said extension engageable with said walls to prevent turning movement of said stud.

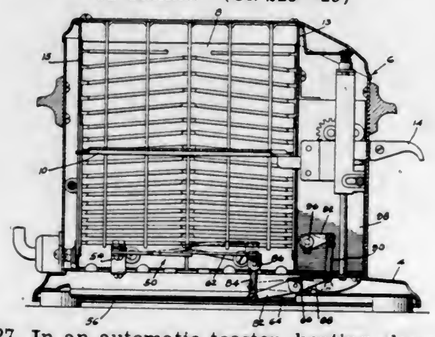
2,138,674

AUTOMATIC TOASTER

Maurice H. Graham, St. Louis Park, Minn., assignor to McGraw Electric Company, Chicago, Ill., a corporation of Delaware

Continuation of application Serial No. 600,913, March 24, 1932. This application March 13, 1933, Serial No. 660,574

31 Claims. (Cl. 219—19)



27. In an automatic toaster, heating elements spaced apart to provide a space for bread being toasted, a casing for said heating elements having openings through which a main air draft having appreciable size and passing through said bread toasting space is induced by the heat of the heating elements, and means for controlling the toasting of a bread slice in said bread toasting space including a thermally responsive member removed from the bread slice and subject to the heat of the heating elements and position to be traversed by said main air draft, said member being operative to insure substantially uniform toasting of successive slices of bread in said toaster.

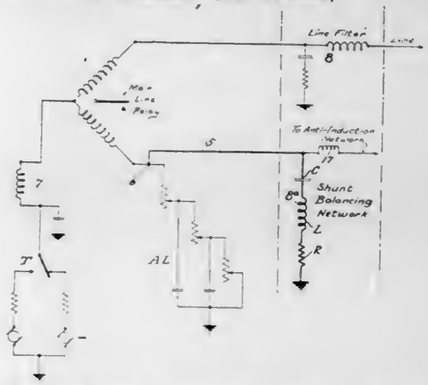
2,138,675

SHUNT BALANCING NETWORK FOR TELEGRAPH CIRCUITS

Robert T. Hamlett, New York, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application November 5, 1935, Serial No. 48,401

5 Claims. (Cl. 179—3)



1. In a signaling system employing a composite set comprising a pair of telegraph lines and a telephone circuit bridged across said lines, one of said lines being arranged for duplex operation, a low pass filter connected in said duplex line to eliminate interfering voice frequency components from the outgoing telegraph signals and means for balancing the effect of said filter in the artificial line of said duplex line, comprising a network connected in shunt to the artificial line, said network having electrical constants closely approximating the constants of said filter, at telegraph frequencies.

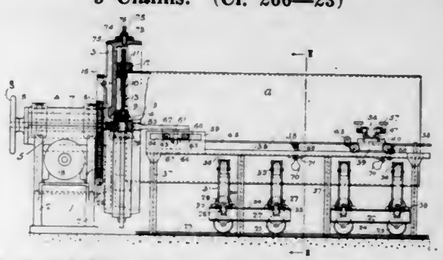
2,138,676

MACHINE FOR CUTTING BY HEAT PIPES OR SIMILAR OBJECTS ANGULARLY CROSSWISE THEREOF

George K. Hull, Fredonia, and Ralph L. Drake, Dunkirk, N. Y., assignors to American Locomotive Company, New York, N. Y., a corporation of New York

Application March 17, 1937, Serial No. 131,316

5 Claims. (Cl. 266—23)



1. A machine for cutting by heat a pipe or

similar object angularly crosswise comprising heat-applying means; means for supporting said pipe for rotation about its axis; means for rotating said pipe; a reciprocating carriage supporting said heat-applying means adapted to complete a reciprocatory movement in a direction longitudinally of said axis simultaneously with the completion of a rotation of said pipe whereby said pipe will be heat-cut along a line in a plane disposed at an angle to a plane normal to said axis; cam-operated means adapted for reciprocatory movement; a second carriage adapted for reciprocatory movement connected with said cam-operated means; means for confining said second carriage to said reciprocatory movement only; means connecting said carriages whereby said movement of said cam-operated means will effect said movement of said first mentioned carriage; and a cam engaging said cam-operated means, having connection with said pipe rotating means for rotation in unison with said rotation of said pipe, whereby said cam, during a complete rotation thereof, will effect said movement of said cam-operated means.

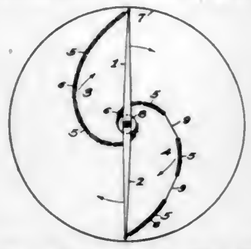
2,138,677
LIQUID MEASURING DEVICE
Arthur F. Meyer, Glendale, Calif., assignor of one-half to Charles A. Meyer, Pittsburgh, Pa.
Application August 8, 1934, Serial No. 738,949
6 Claims. (Cl. 201—48)



1. In a device arranged to be interposed in an electrical circuit for measuring a quantity of an electrically conducting liquid in a container, the combination of a metallic draft pipe arranged to be immersed in the liquid, and a longitudinal electrode carried by and insulated from said draft pipe and in parallel relation thereto, said electrode and draft pipe being exposed to the liquid.

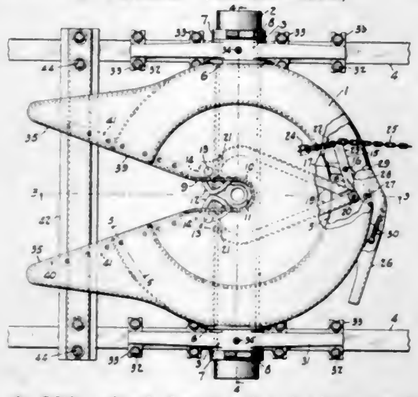
2,138,678
COMBINATION OF A CHAIN, SCRAPER, AND CONVEYER
James W. Pearl, Chicago, Ill.
Application June 1, 1936, Serial No. 82,897
1 Claim. (Cl. 210—55)

In a settling apparatus, a circular tank having an outlet sump located at the center of the bottom of said tank, a vertical shaft extending upward from said sump, a transverse actuating element engaging said shaft and extending to a point adjacent to the periphery of said tank, a chain-scraper-mechanism attached at one end to the outer end of said actuating element and at its other end attached to said vertical shaft to produce a complete chain-like tension resisting structure extending inwardly from the outer end of said actuating element indirectly toward said vertical shaft along a flexible self-adjustable catinary-like curve, said scraper-conveyer-mechanism comprising a plurality of links connected in series by connectors which are rotatably at-



tached to each of said links, each said link comprising a central hub, said hub having three similar scraper blades located substantially parallel with and projecting outwardly therefrom, said scraper blades being rigidly attached along said central hub and spaced equidistantly about said hub.

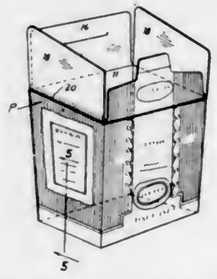
2,138,679
FIFTH WHEEL
Donald W. Sherman, Shorewood, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application October 13, 1937, Serial No. 168,687
28 Claims. (Cl. 280—33.1)



1. A fifth wheel for tractor-trailer combinations comprising a bearing plate for the tractor fabricated of welded sheet metal parts and disposed to engage a complementary bearing plate on the trailer, said tractor bearing plate having a large diameter tubular member rigidly attached thereto and providing trunnions disposed on either side thereof, and bearings of substantial width mounted on the side members of the tractor frame and encircling said trunnions to hold said tractor plate against lateral movement with respect to the side members of the tractor frame.

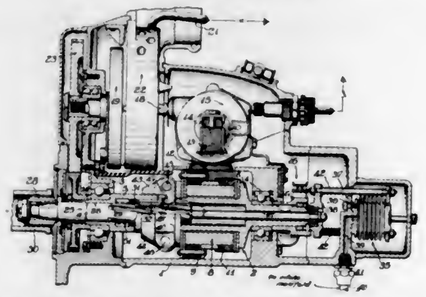
2,138,680
CARTON
Edwin Siewert, Wausau, Wis., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application June 28, 1937, Serial No. 150,740
2 Claims. (Cl. 229—16)

2. A tapered receptacle formed from a single folded blank suitably scored to form a bottom, a front wall hingedly connected to said bottom, a rear wall hingedly connected to said bottom, inner side panels hinged to said front wall, outer side panels hingedly connected to said rear wall and arranged in overlapping relation to said inner side panels to form side walls of the receptacle, the vertical edges of said side panels being in upwardly flaring relation, inner closure flaps hinged to the said outer side panels, said inner closure flaps being of sufficient length to overlap at their free edges, the side edges of said inner closure flaps being brought in from the upwardly



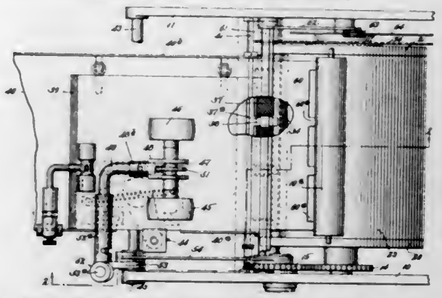
flaring relation of the vertical edges of said outer side panels to a parallel relation, the full length of the side edges of said closure flaps being in abutting contact with the adjoining front and rear walls of the container, closure flaps hinged to the front and rear walls and adapted to be folded over and interlocked over the said inner closure flaps, the side edges of the closure flap hinged to the rear wall being cut away so as to provide a substantial space between said edges and the opposing edges of the said inner closure flaps.

2,138,681
MAGNETO GENERATOR
Walter J. Spengler, Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 22, 1936, Serial No. 117,128
6 Claims. (Cl. 123—117)



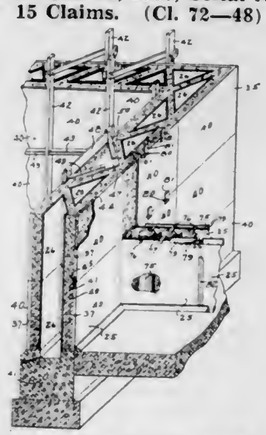
1. In a magneto generator for internal combustion engines, a frame, a rotor journalled therein having a portion of its length interiorly splined, a drive shaft slidably mounted in the rotor having a portion of its length spirally splined, a sleeve interiorly splined to fit the spiral splines of the shaft, and exteriorly splined to fit the interior splines of the rotor, means responsive to variations in intake pressure of the internal combustion engine for moving longitudinally said drive shaft to vary the angular relation of the rotor and drive shaft, and speed-controlled means for moving the splined sleeve longitudinally to further vary said angular relation.

2,138,682
SHEET MARGIN STOP FOR DUPLICATORS
Frederick W. Storck, Arlington, Mass., assignor to Standard Mailing Machine Company, Everett, Mass., a corporation of Massachusetts
Application September 16, 1937, Serial No. 164,194
8 Claims. (Cl. 101—132)



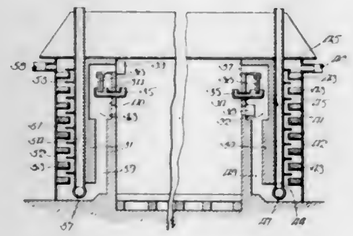
1. In a duplicating machine, a printing drum, means for rotating said drum, an opening in the peripheral face of said drum and extending longitudinally therein, a member carried by said drum and disposed in said opening and in a radially spaced relation to the printing surface of said drum, a guide member adapted to coact with said first member with means for rocking said guide member into and out of said drum opening in a timed relation to the rotative movement of said drum, a pressure roller adapted for engagement with the peripheral face of said drum, a copy sheet support with means for advancing the forward end of a sheet on said support into said drum opening and against said first member during a continuous rotation of said drum and whereby said first member and said guide member coact to form a margin stop for the advance end of said sheet and position said sheet for operative engagement with said printing drum.

2,138,683
BUILDING WALL CONSTRUCTION
Walker J. Weesner, Indianapolis, Ind., assignor of one-half to Robert E. Stevenson, Indianapolis, Ind.
Application April 24, 1937, Serial No. 138,728
15 Claims. (Cl. 72—48)



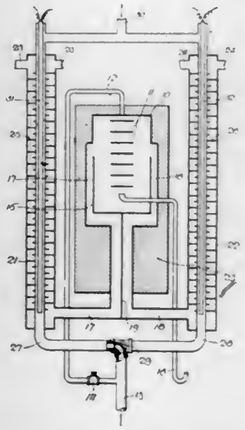
1. A form unit for a building wall comprising an outer vertical wall, a vertical core triangular in cross section, and wall extensions supporting and spacing the core from said wall, said extensions being formed to permit flow and bonding of concrete therepast.

2,138,684
DRYING AND COOLING APPARATUS
Edmund Altenkirch, Neuenhagen, near Berlin, Germany
Application February 17, 1934, Serial No. 711,679
In Germany February 24, 1933
19 Claims. (Cl. 62—156)



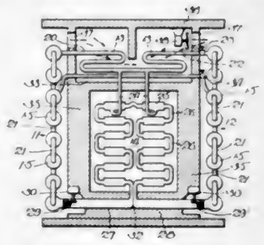
1. Apparatus for conditioning the air in a room comprising two chambers, absorbent material in said chambers, means for conveying air through one of said chambers, the room, and the other of said chambers, means for periodically reversing the direction of flow of the air comprising means for alternately heating said chambers to cause the absorbent in the chamber heated to give up moisture to the air therein.

2,138,685
REFRIGERATING APPARATUS
Edmund Altenkirch, Neuenhagen, near Berlin, Germany
Application February 17, 1934, Serial No. 711,680
In Germany February 24, 1933
17 Claims. (Cl. 62—156)



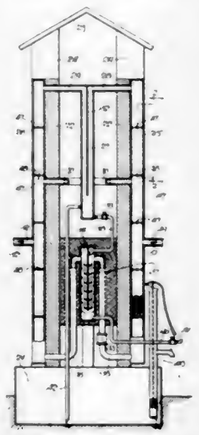
6. Apparatus for cooling water comprising three chambers connected in series, the first of said chambers containing solid absorbing material, the second chamber constituting an evaporator and the third chamber containing solid absorbent material, means for cooling said first mentioned chamber, means for supplying water to said second mentioned chamber and for permanently removing water therefrom, means for heating said third mentioned chamber and means for causing air to flow through said first, second and third mentioned chambers successively.

2,138,686
INTERMITTENT ABSORPTION REFRIGERATING APPARATUS
Edmund Altenkirch, Neuenhagen, near Berlin, Germany
Application February 26, 1934, Serial No. 712,862. Renewed October 26, 1938. In Germany February 28, 1933
25 Claims. (Cl. 62—119.5)



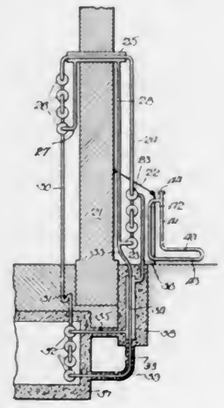
16. Absorption refrigeration apparatus of the type employing a refrigerant, an absorbent and an inert gas, said apparatus comprising two absorber-generators coupled in circuit with a condenser and an evaporator, means enclosing said evaporator and positioned between said absorber-generators whereby the relative movement between the earth and the sun will result in the alternate heating of one of said absorber-generators to a higher temperature than the other to produce refrigeration in the vicinity of said evaporator.

2,138,687
WATER ACCUMULATOR
Edmund Altenkirch, Neuenhagen, near Berlin, Germany
Application March 9, 1934, Serial No. 714,740
In Germany March 10, 1933
15 Claims. (Cl. 62—156)



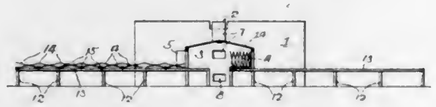
1. Apparatus for removing moisture from the air and for cooling the same, comprising vessels providing two absorber-generators, a condenser, an evaporator, conducting means connecting said vessels for circulating air from the atmosphere through one absorber-generator, the condenser and the other absorber-generator, and for circulating air through the evaporator from the last mentioned absorber-generator to the first mentioned absorber-generator and means for conveying water from the condenser to the evaporator.

2,138,688
METHOD AND APPARATUS FOR THE PRODUCTION OF COLD
Edmund Altenkirch, Neuenhagen, near Berlin, Germany
Application March 14, 1934, Serial No. 715,446
In Germany June 16, 1933
21 Claims. (Cl. 62—118)



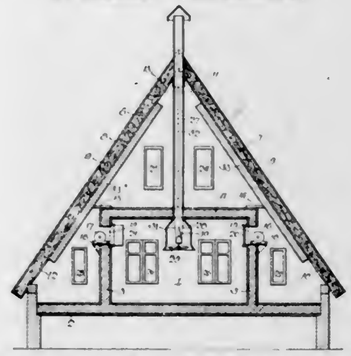
20. Apparatus for producing refrigeration intermittently on a day and night cycle comprising an absorber-generator, an evaporator, means mounting said absorber-generator to be exposed to solar heat in the day and to the atmosphere in the night, means for supplying refrigerant to said evaporator, means connecting said evaporator and said absorber-generator to carry refrigerant vapor into said absorber-generator to be absorbed when the pressure therein has been lowered by the cooling action of night air, and means for relieving said absorber-generator of vapors generated therein by the action of solar heat whereby said apparatus operates to produce refrigeration at night.

2,138,689
METHOD FOR GAINING WATER OUT OF THE ATMOSPHERE
Edmund Altenkirch, Neuenhagen, near Berlin, Germany
Application October 18, 1934, Serial No. 748,974
In Germany September 28, 1933
11 Claims. (Cl. 202—39)



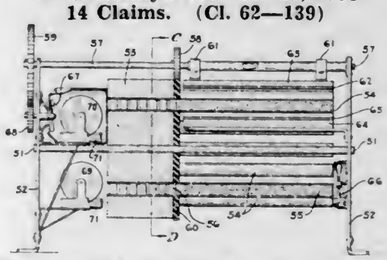
11. The method of separating atmospheric air and water vapor comprising exposing absorbent material to humid air after sundown to absorb water vapor, enclosing said material in an enclosure which will permit the passage of solar heat but which will greatly retard the escape of air whereby the heat of the sun will liberate the vapor into the medium within the enclosure, and circulating said medium through a zone shielded from the heat of the sun thermo-syphonically whereby the vapor condenses and collects in a pool and the partially de-humidified medium is returned to the evaporating zone.

2,138,690
METHOD FOR THE DEHUMIDIFICATION OF AIR
Edmund Altenkirch, Neuenhagen, near Berlin, Germany
Application October 18, 1934, Serial No. 748,975
In Germany October 19, 1933
27 Claims. (Cl. 62—176)



1. The method of conditioning air for use in a room and involving the use of a substantially stationary hygroscopic substance, which includes the steps of passing a current of air periodically over said substance while cooling the same to cause the substance to absorb moisture from the air, conveying the air thus dried to the room to be conditioned and alternately regenerating the hygroscopic substance while it remains in operable position by exposing the same to the heat of the sun while passing an independent current of air over the same thereby enabling the heat of the sun to cause the moisture to evaporate from the substance into the air in said independent current.

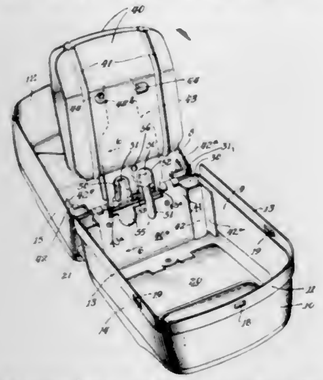
2,138,691
METHOD AND APPARATUS FOR CONDITIONING AIR
Edmund Altenkirch, Neuenhagen, near Berlin, Germany
Application November 16, 1934, Serial No. 753,309
In Germany November 17, 1933
14 Claims. (Cl. 62—139)



7. The method of drying and cooling air to condition it which includes the steps of cooling a body of heat-storing material by forcing a blast of cool air over it, passing the air being conditioned over a body of absorbent material to dry the same and then over the body of cooled, heat-storing material to cool the air being conditioned.

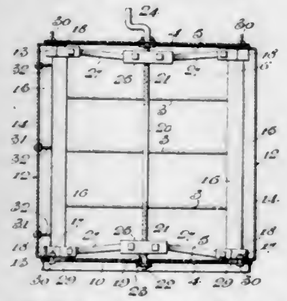
2,138,692
DISPENSER
Frank L. Broeren, Menasha, and Samuel N. Hope, Wauwatosa, Wis., assignors to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application January 3, 1938, Serial No. 183,036
9 Claims. (Cl. 312—62)
1. A dispenser for folded napkins and the like

comprising two complemental sections, each section having a top, bottom, sides and a front face panel, said front face panel being provided with a dispensing opening, means for hingedly connecting the said sections whereby they may be closed upon separated stacks of napkins arranged in each section to abut the said respective front face panels so as to be dispensed through said



dispensing openings, means to retain the sections in closed relation, pressure exerting means mounted on said sections for urging the separated stacks toward the respective front face panels when the said sections are closed, and means for automatically inactivating said pressure exerting means and withdrawing same from each of the sections when the said sections are swung open for refilling the dispenser with napkins.

2,138,693
CONTRACTIBLE REMOVABLE INNER METAL CELL FORM
Harry R. Corwin, Palm Beach, Fla., assignor to Harry R. Corwin & Company, Inc., Palm Beach, Fla., a corporation of Florida
Application August 26, 1935, Serial No. 37,995
7 Claims. (Cl. 25—128)



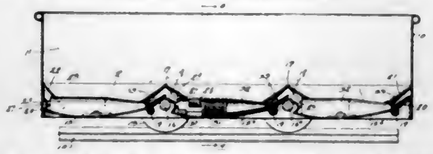
1. In hollow monolithic wall building, the combination with inside and outside wall forms, of a series of collapsible cell forms located in horizontal alignment between and spaced from the outside and inside wall forms, said cell forms including pin elements at their upper ends and punched spreader plates straddling the gap between adjacent collapsible forms and extending laterally over the outside and inside wall forms and having holes to receive the pin elements of adjacent collapsible cell forms and connect the adjacent forms together and hold them spaced between the outside and inside wall forms, said spreader plates having provisions to hold vertical reinforcing rods between the cell forms and the outside and inside wall forms respectively.

2,138,694
AUTOMATIC HAY HOOK
Harry V. Daugherty, Simpson, Kans.
Application September 7, 1937, Serial No. 162,758
1 Claim. (Cl. 294—26)



An implement of the kind described comprising a channeled substantially U-shaped elongated shank and having spaced cheek formations at one end in parallel relation to each other, a hooking tine pivoted to the shank between said cheeks and having a pointed curved free end for effecting a bill, an abutment extension on said tine at its heel end and disposed at a tangent to the pivotal axis of said tine, a latching dog pivoted in the shank for swing in the path of movement of the abutment extension of said tine and normally engageable with said tine to hold the latter outwardly angled to the shank, a spring fitting said shank and active upon the abutment extension to normally hold the tine angled to the shank, a bight formed in said dog and providing a laterally extending beveled portion thereto, a trigger slidably fitting the shank for contact with the beveled portion of said dog and having an operating handle extending beyond the shank at its end remote from the pivoted tine, and means active upon the dog and the said trigger to hold the same in position for the contact of the beveled portion of said dog with the trigger to have the dog in a latching relation to the abutment extension of the tine and also for the release of the dog from the abutment extension on the shifting of the trigger within said shank in one direction and the riding of the trigger on the beveled portion of said dog.

2,138,695
DROP BOTTOM CAR
Ed W. Duncan, Blue Diamond, Ky.
Application April 26, 1938, Serial No. 204,455
1 Claim. (Cl. 105—286)



A drop bottom car, including a body having side walls and front and rear walls, axles operatively engaged with the body intermediate the ends thereof and having wheels, front, rear and intermediate drop bottom doors operatively hinged each at its rear end to the car body, one of said drop bottom doors being hinged at its rear end adjacent the rear end wall of the car

body, spring-projected latches mounted upon the inner face of each drop bottom door and an electromagnet associated with each latch for retracting the same and carried by said drop bottom door on the inner face thereof, a lading protecting housing extending over each latch and its associated magnet and attached to the corresponding door, keeper plates extending over each axle and formed with keepers for the rear and intermediate doors, a keeper plate mounted at the forward end of the car and having a keeper coacting with the latch of the forward door, V-shaped protective plates attached to the side walls of the car and extending over the axles and over the corresponding keeper plates and the hinges of the forward and intermediate doors, a protective plate extending downward from the front wall over the forward latch, a protective plate extending downward from the rear wall and over the hinge for the rear door, conductors connected to said magnets and extending out thru the side walls of the car, swingingly mounted contacts carried by one side wall of the car, one for each of said magnets and to which the respective conductors are connected, and a third rail with which said contacts are adapted to engage whereby the magnets are energized to retract the latches to release the several bottoms whereby the same may move to drop position.

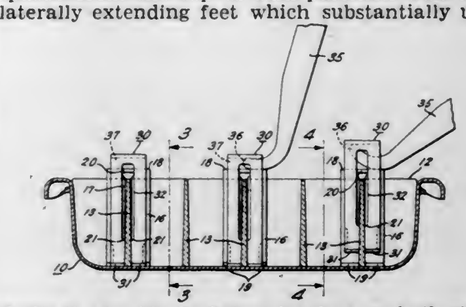
2,138,696
CALKING UNIT
Louis Francis, Miami, Fla.
Application February 25, 1937, Serial No. 127,795
12 Claims. (Cl. 18—3.5)



1. In a calking unit, a calking material container including a cylindrical body part and a spout of substantially triangular contour in lengthwise section, a compressible calking material expelling element of cross sectional contour corresponding to that of said body part, said element operating within the container and being formed of a leading part and a follower part disposed in severable relation to provide for said leading part operating in the spout under a state of compression when conforming to the shape of the spout.

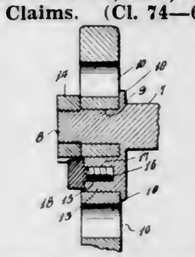
2,138,697
EJECTING DEVICE FOR FREEZING TRAYS
Harvey D. Geyer, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 29, 1935, Serial No. 52,173
11 Claims. (Cl. 62—108.5)

1. In combination, a freezing tray having a partition therein for dividing the frozen contents into blocks, a reciprocatable ice-ejecting member slidably mounted upon and straddling said partition wall and having a portion overlying and spaced from the top of said partition wall and laterally extending feet which substantially un-



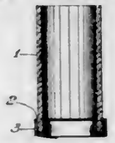
derlie the ice blocks frozen in place on both sides of said partition, and a separate prying tool insertable between the top of said partition and the overlying portion of said ejecting member for forcing said ejecting member upwardly.

2,138,698
CRANKPIN
John W. Heaston, Huntington Beach, Calif.
Application November 19, 1937, Serial No. 175,524
2 Claims. (Cl. 74—600)



1. In a device of the character described, comprising a crank arm having a series of adjusting openings therein, a crank wrist pin having a reduced threaded end adapted to be selectively inserted in one of the openings, an extension formed on the wrist pin adjacent the reduced threaded end, a supplementary stub shaft formed on the extension, said stub shaft being adapted to enter one of the other openings in the crank arm, a nut having side facets threaded on the reduced screw threaded portion of the wrist pin, and a locking device removably carried by the supplementary stub shaft for engaging one of the facets of the nut and preventing rotation of the nut relative to the wrist pin.

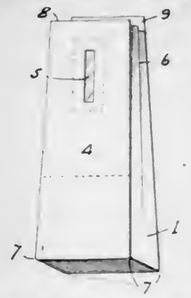
2,138,699
CONTAINER
Albert Hinze, Ardmore, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 1, 1936, Serial No. 103,525
5 Claims. (Cl. 93—39.1)



5. Process of preparing paper containers which comprises preparing the side wall of the said container by laminating a plurality of cellulosic lay-

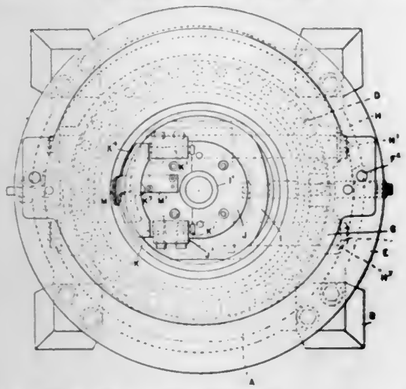
ers joined togethehr by means of a cellulose derivative cement cutting the said container into the desired length and applying to the edges an oil-proof and water-proof heat energizable adhesive which cold flows at ordinary temperature and which becomes tacky as the temperature increases above 50° C., and which flows freely at temperatures above 120° C. when dry, and thereafter applying a metallic end closure and crimping the same to the side walls at a temperature at which the adhesive is fluid.

2,138,700
CONTAINER
George K. Hoff, 3d, Philadelphia, Pa.
Application April 13, 1934, Serial No. 720,392
14 Claims. (Cl. 229—23)



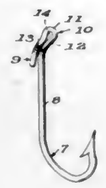
1. A container of the class described including a body formed from a single sheet of material folded to form a bottom and a plurality of side members, an inner reinforcing saddle, and an outer reinforcing saddle, said saddles crossing each other at right angles.

2,138,701
MACHINE FOR MANUFACTURING UNDERCUT SAND MOLDS
Frank H. Le Jeune, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application August 3, 1936, Serial No. 94,084
1 Claim. (Cl. 22—24)



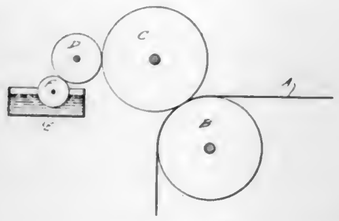
In a machine for undercutting sand molds, the combination with a presser member engageable with the wall of a mold cavity, of a combined cutter and slick adapted to extend beyond said presser member and having at its front end a solid cutting portion and in rear of said cutting portion a slicking portion for the entire surface and terminating in a rearwardly tapered portion.

2,138,702
LINE COUPLER
Robert G. Litsey, Fort Worth, Tex.
Application March 14, 1936, Serial No. 68,933
1 Claim. (Cl. 43—28)



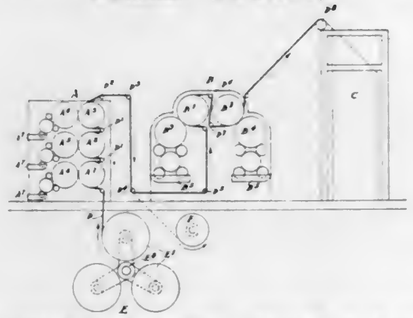
In a fishing line coupler, a one-piece resilient body formed of a straight follower stretch constituting a shank, a leading stretch of arcuate contour spaced from the leading end of the shank, an inner side follower stretch of compound curvature merging at its follower end into the leading end of said shank and at its leading end into one of the ends of said leading stretch and an outer side follower stretch of ogee curvature of greater length than the inner side follower stretch and merging at its leading end into the other of the ends of said leading stretch, said inner and outer side follower stretches, intermediate their ends being disposed in substantially abutting relation, the said outer side follower stretch having that part thereof rearwardly of its part which substantially abuts the inner side stretch extending rearwardly beyond the point of mergence of the inner side stretch with the shank and spaced from the latter, said leading stretch and the leading portions of the outer and inner side follower stretches coacting to form a flared split loop for passage of the line, said loop being maintained substantially closed by the intermediate part of said outer side follower stretch, and said outer and inner side follower stretches being disposed throughout at oblique angles with respect to the point of mergence of the inner side follower stretch with the shank to position the loop at an angle of approximately 45°.

2,138,703
METHOD OF PRINTING
Walter Matuschke, Berlin, Germany
Application October 12, 1936, Serial No. 105,248
In Germany April 11, 1935
10 Claims. (Cl. 101—211)



1. The art of printing with a rotary typographic web press, wherein the relief surfaces of the printing element are coated with an ink which is transferred directly to the paper web, characterized in this that the printing element is metal and that the ink is a water-thin, quick-drying solution of dyestuff such as heretofore has been used in a rotary typographic web press only with rubber printing elements.

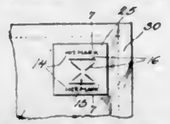
2,138,704
METHOD OF PREPARING A PRESS FOR PRINTING AND PRINTING PRESS
Walter Matuschke, Berlin, Germany
Application October 12, 1936, Serial No. 105,249
9 Claims. (Cl. 270—5)



1. The method of proof printing in a rotary webb press equipped with a plurality of printing units arranged in series and adapted, during a regular printing run, simultaneously to print on the web, which method includes passing the web during proof taking through part only of the printing units to be used during said run so as to obtain an indication of the readiness for printing of one portion of the work independently of another portion thereof while leaving the remainder of the printing units free for use in another regular printing run.

6. A rotary web printing press including, in combination, a plurality of printing units arranged in series and adapted for simultaneous printing on the web during a regular printing run, means for receiving the work of a regular printing run, and an auxiliary wind-up roll associated with one printing unit of the series to facilitate taking a proof print of the work to be printed by such unit while leaving the remainder of the printing units and the work receiving means free for use in another regular printing run.

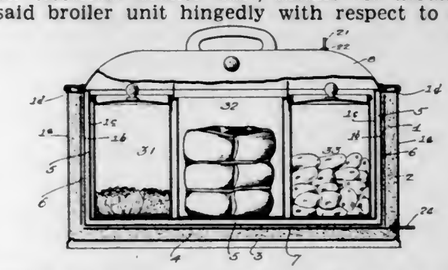
2,138,705
MEANS FOR IDENTIFYING ARTICLES
Thomas F. Murphy, Wellsboro, Pa.
Application August 27, 1937, Serial No. 161,343
14 Claims. (Cl. 40—2)



3. Identification means for articles of the class described comprising threads affixed to said articles so as to form a plurality of separate visible readily removable lengths arranged to form a predetermined pattern, whereby when one or more of said lengths of thread is pulled out the patterns remaining are readily distinguishable from the original pattern and from each other.

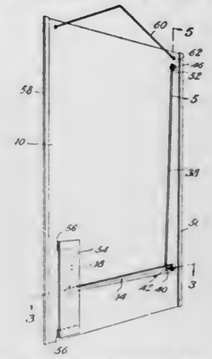
2,138,706
ELECTRICAL COOKING APPARATUS
Joseph W. Myers, Philadelphia, Pa., assignor to Proctor & Schwartz, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application June 18, 1936, Serial No. 85,994
7 Claims. (Cl. 219—35)

7. A combined roaster and broiler appliance for household use, comprising a cooking vessel, an electrical roaster unit disposed within the walls of said vessel, said unit being constructed and arranged to have a normal energy consumption approaching a given permissible energy consumption for the entire appliance, an electrical circuit including said unit, electrical terminal connectors for said circuit on said vessel, heat-responsive means on said vessel for controlling said circuit and operative to maintain the interior of the vessel substantially at a predetermined temperature, indicating means on said vessel operative to apprise the user of the condition of said circuit and whether said predetermined temperature has been reached, a lid or cover for said vessel having a heat-reflecting inner surface, an electrical broiler unit, means for mounting said broiler unit hingedly with respect to said



vessel in cooperative relation with said surface, so that said surface reflects the heat from said broiler unit into said vessel, said broiler unit being constructed and arranged to have a normal energy consumption approaching said permissible consumption for the entire appliance, the total energy consumption of both of the said units being greatly in excess of said permissible consumption, and electrical terminal connectors for said broiler unit, the terminal connectors for said roaster unit and the terminal connectors for said broiler unit being constructed and arranged to be incapable of receiving the usual household appliance connectors but capable of receiving selectively a single electrical connector supplied with the said appliance, whereby the said units may be energized separately and selectively only.

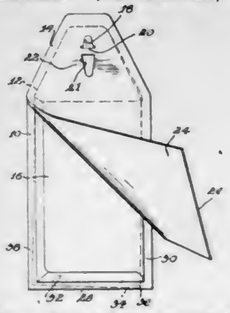
2,138,707
HYGROMETER
Ralph A. Needham, Lone Rock, Wis.
Application May 24, 1937, Serial No. 144,505
5 Claims. (Cl. 73—337)



2. A hygrometer comprising a sheet having such properties as to lengthen or shorten in response to variations in the moisture content in the surrounding atmosphere, said sheet being provided with a sight opening and moisture indicating ratios on its front face, a needle located

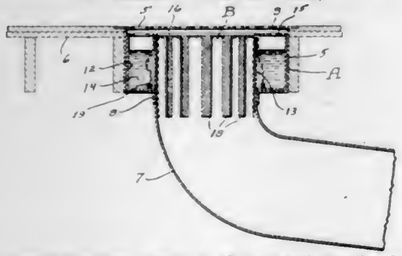
on the rear face of the sheet and pivotally mounted thereon, said needle having a point exposed through said sight opening, said needle being pivotally connected near one end of the sheet, a link having one end pivotally connected with the needle and its other end attached to the sheet near the opposite end thereof, and a guard carried by the rear face of the sheet for protecting the needle.

2,138,708
CONTAINER
Eric W. Peterson, Endwell, N. Y.
Application July 14, 1936, Serial No. 90,571
2 Claims. (Cl. 206—46)



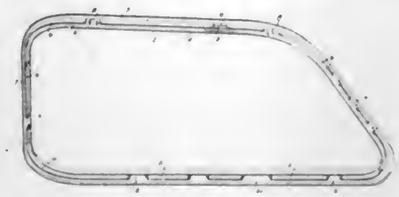
1. In a package for safety razor blade wrappers and blades, said package being formed of a single piece of material and folded upon itself to form a front and back portion to enclose the bottom edge of the blade wrappers and means for securing together the upper end portions of the package and the wrappers, means for securing together the side edges of the front and back portions, means for the retention of the blades and blade wrappers within the limits of the package, said means including said end portions securing means said side securing means and the limitation of space between the bottom edge of the blade wrapper and the inner bottom edge of the package.

2,138,709
HUMIDIFIER FOR DWELLINGS
Katherine D. Rainbolt, Bloomington, Ind.
Application July 21, 1936, Serial No. 91,791
1 Claim. (Cl. 98—105)



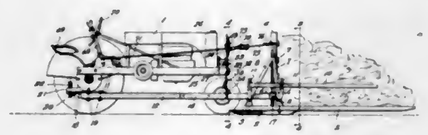
In combination with a floor register including a register box having a hot air passageway in its bottom wall; a pan snugly fitting in the register box having an inner wall providing a walled opening aligning with said passageway and an outer wall forming a continuous water space about the inner wall, said inner wall being of less height than the outer wall, a removable perforated cover resting on said outer wall and providing a cover for the water space, a plurality of wicks hung by their intermediate portions over the upper edge of the inner wall, and a grille over the register box in spaced relation above said cover.

2,138,710
TRIM MOLDING AND METHOD OF MAKING THE SAME
James S. Reid, Shaker Heights, Ohio, assignor to Thermo-Plastics, Inc., St. Clair, Mich., a corporation of Michigan
Application April 12, 1938, Serial No. 201,469
11 Claims. (Cl. 296—44)



1. A decorative trim molding for a wall structure having an opening and comprising a thin-walled member of cellulose organic acid ester material, said material having decorative characteristics for its full thickness, and said member being arranged to extend peripherally of the opening and having a forward wall and an inner wall integral therewith, said walls having integral forward and inner decorative surfaces, respectively, a box-like reinforcing structure extending rearwardly from the forward wall and spaced inwardly from the periphery of the forward wall and outwardly from said inner decorative surface, said box-like structure being arranged for fitting within said opening with the peripheral margin of the said forward wall overlying the said wall structure adjacent to the opening, and said box-like structure having portions for receiving attachment means for connecting the trim molding to said wall structure.

2,138,711
HAY SWEEP
Ferdinand C. Rohwer, Elkhorn, Nebr.
Application May 17, 1937, Serial No. 143,169
8 Claims. (Cl. 56—27)



1. In a hay sweep, thrust bars for extending longitudinally of a tractor, means for connecting rear ends of said bars with the tractor, a cross beam, means for mounting the cross beam at the front of the tractor transversely thereof with its end portions projecting from opposite sides of the tractor over said thrust bars, spring-controlled means for suspending said thrust bars from end portions of said cross beam, a material-carrying structure having longitudinally extending tines and a rear wall extending upwardly adjacent rear ends of the tines, said rear wall being pivotally connected with front ends of said thrust bars for tilting movement about a horizontal axis, a flexible bridle extending rearwardly from the rear wall, an evener bar connected intermediate its ends with said bridle and extending transversely of the tractor in front of the same, means for anchoring one end of said evener bar and mounting the same for pivotal movement longitudinally of the tractor, and actuating means connected with the other end of the evener bar.

2,138,712
MANUFACTURE OF SPONGE ARTICLES
Paul Saffert, Wolfen, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
Application March 30, 1937, Serial No. 133,831
In Germany March 17, 1933
4 Claims. (Cl. 91—68)

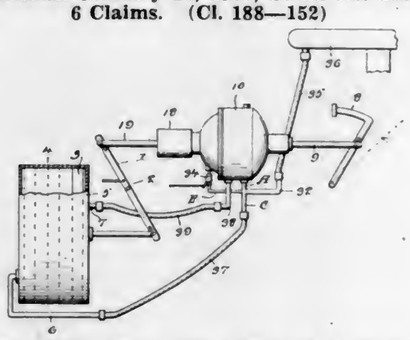


1. A sponge article comprising a cellulosic support having a relatively thick directly and firmly adhering coating of a sponge mass comprising cellulose hydrate obtainable by coagulating a mass comprising viscose and a meltable or soluble pore-forming salt, and removing the pore-forming salt, said coating resembling natural sponge, the dry coating being capable of swelling by 35 to 75 per cent of its original volume when immersed into water, the wet coating being capable of retaining from 80 to 90 per cent of the water taken up during said immersion, after being allowed to drip for 30 seconds.

2,138,713
PROCESS OF SOLIDIFYING SOIL
Francis D. Sullivan, Memphis, Tenn.
No Drawing. Original application August 11, 1931, Serial No. 556,466. Divided and this application September 28, 1936, Serial No. 103,056
3 Claims. (Cl. 61—36)

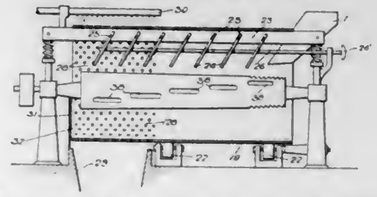
1. A process for making impervious or fixing pervious or loose subsoil layers, such as sand soils, and other porous masses, which consists in causing an aqueous dispersion of a bituminous substance to penetrate into the soil or mass to be treated.

2,138,714
VALVE
William E. Swartzwelder, Cumberland, Md.
Application January 12, 1937, Serial No. 120,295
6 Claims. (Cl. 188—152)



1. In combination with brakes of a motor vehicle including a brake rigging and a vacuum booster cylinder having a piston connected to the rigging and a vacuum source and a brake pedal for applying the brakes, a rod connected to said pedal, a housing slidably receiving said rod, means connecting said housing to the brake rigging, a diaphragm in said housing and forming vacuum chambers therein, means connecting the diaphragm to said rod, means connecting one of the chambers to the vacuum source for maintaining a constant vacuum therein, means connecting the other vacuum chamber to the booster cylinder at one side of the piston, means connecting the vacuum source to the booster cylinder at the other side of the piston, means connecting the last named vacuum chamber to the vacuum source and including a valve mechanism, a valve mechanism for opening and closing the last-named vacuum chamber to the atmosphere, and means connecting the valve mechanisms to the diaphragm.

2,138,715
APPARATUS FOR TREATING PAPER PULP AND THE LIKE
Kristen Andreas Thorsen, Grenoble, Isere, France, assignor to Paper & Industrial Appliances Inc., New York, N. Y., a corporation of New York
Application April 24, 1936, Serial No. 76,270
In France May 6, 1935
7 Claims. (Cl. 92—20)

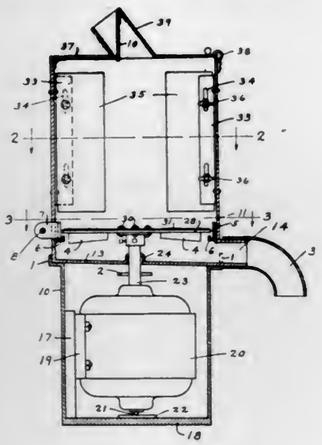


1. Apparatus of the class described, comprising a hollow rotating cylinder having a foraminous area for a substantial portion of its length, a plurality of rotating crushing or pressing rolls disposed within said cylinder and extending longitudinally of the cylinder, said rolls being arranged cooperatively with one another to receive material between them, means for feeding material to said cylinder, a stationary scraper extending longitudinally of said cylinder above said rolls and arranged to scrape the material off the inner wall of said cylinder to cause the material to fall between said rolls, and a stationary deflecting means extending longitudinally of said cylinder adjacent said scraper so as to receive the scraped-off material and adapted to move the material longitudinally of the cylinder as it is repeatedly scraped off the cylinder wall and passed between said rolls.

2,138,716
BREAD CRUMBING MACHINE
Shelly Truitt, Baltimore, Md., assignor to John Marion Seney, Baltimore, Md.
Application September 28, 1937, Serial No. 166,199
5 Claims. (Cl. 146—177)

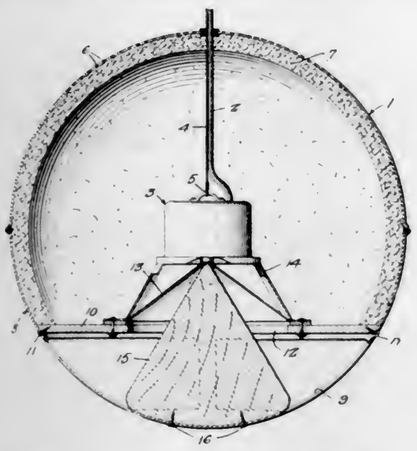
1. In a crumbing machine, a container having an open bottom, a bottom section secured to the lower end of said container having a downwardly and outwardly inclined portion forming a pan and chute terminating in an outlet opening therein, a vertical and rotatable shaft extending through the pan and chute of said bottom portion and into the container, means secured within the lower portion of said container forming a guide for said shaft, a plate carried on the upper end portion of said shaft and provided with sharpened prongs projecting upwardly from the upper face thereof, brackets secured on the inner wall of said container at diametrically opposite points thereon, each of said brackets being formed from a single sheet of metal looped upon itself midway of its width and having the end portion bent outwardly whereby to provide a doubled central angular strip and a pair of oppositely projecting flanges, the flanges being secured to the inner wall of said container and the outwardly doubled strip having slots therein, baffle plates applied to the outwardly projecting portion of the brackets, bolts carried by said baffle plates entering the slots of said brackets and

means engaging the bolts and brackets to adjustably secure the baffle plates in position in



the container with relation to said rotatable disc, as and for the purposes described.

2,138,717
SPEAKER BAFFLE BALL
Joseph A. Volk, St. Louis, Mo.
Application October 22, 1936, Serial No. 107,018
3 Claims. (Cl. 181—31)



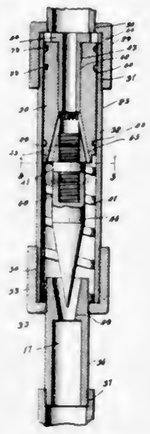
2. A speaker baffle ball comprising a substantially semi-spherical shaped shell, a speaker in said shell and including a cone, a lining extending into said shell and covering the inner wall thereof and conforming to the contour of said shell, a substantially semi-spherical shaped support secured on the shell and receiving a portion of the lining, a sound board secured on said support and abutting the lining and having the speaker mounted thereon, said sound board having an opening with the cone of the speaker positioned thereover, said support having sound openings, and means carried by the support and extending through the sound opening of the sound board and terminating within the cone of the speaker to distribute sounds through the sound openings of the support.

2,138,718
BOTTLE OR CONTAINER OF PAPER, WOOD PULP, OR THE LIKE
John William Wheeler, Southend-on-Sea, England
Application February 27, 1936, Serial No. 66,107
In Great Britain February 28, 1935
1 Claim. (Cl. 229—37)



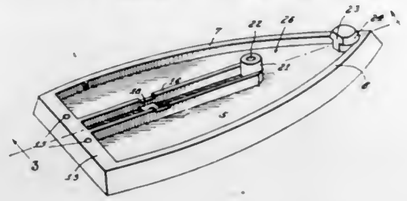
A container for holding liquids, semi-liquids, powders and the like formed by folding a blank of sheet material, said container having a tapered closure formed by bringing two opposite side portions together so that one is sloping whilst the other is substantially upright, intervening side portions of triangular formation lying flush with the edges of the portions brought together and pleats lying alongside the tapered portion.

2,138,719
BLOW-OUT PREVENTER
Charles Braxton Wright, McFaddin, Tex., assignor of one-half to Charles Bryan Wright, McFaddin, Tex.
Application May 13, 1937, Serial No. 142,510
1 Claim. (Cl. 137—152)



A device of the class described having a cylinder, a barrel operable in the cylinder, said barrel being tubular and having a removable choke in its bore, a valve extending from the barrel, passages in the barrel communicating with the bore thereof and having outlets outwardly of the valve, a collar on the cylinder, a spring engaging the collar and the barrel to maintain the valve normally in open position, and a nipple secured to the collar having a seat engageable by said valve and a stud bolt secured to the barrel and to the valve member.

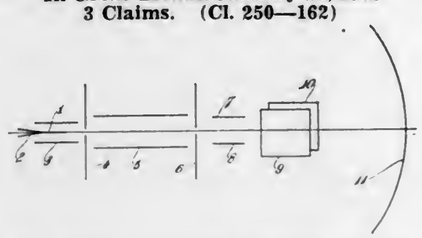
2,138,720
SADIRON SOLE PLATE AND METHOD OF MAKING
Horace C. Wright, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application September 3, 1936, Serial No. 99,223
7 Claims. (Cl. 76—101)



1. The combination in a sole plate for sadirons, of a base plate comprising a flat rolled metal sheet having smooth surfaces free from pits and scale, upstanding marginal preformed walls thereon of a cross-section to prevent warpage of the base plate and defining a top cavity for the reception of a heating element between said walls, and means within the cavity for attaching the super-structure of an iron, the sole plate being characterized by the accurate dimensions of said cavity, smoothness of the bottom of said cavity, and by the fact that said elements are secured in position by a capillary layer of brazing material.

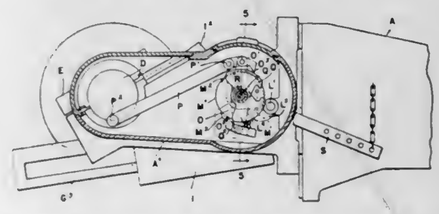
2. The method for making sadiron sole plates of the type having a heating element cavity and annular walls which includes the steps of cutting a base plate from smooth, bright stock of rolled cross-section, cutting peripheral side walls of required length from straight smooth stock, bending said walls to the required curvature, securing said parts in the desired relationship and thereafter brazing said parts together in a furnace.

2,138,721
CATHODE RAY OSCILLOGRAPH TUBE
Leslie Herbert Bedford, Highbury Grove, London, England, assignor to A. C. Cossor Limited, London, England
Application January 9, 1936, Serial No. 58,408
In Great Britain January 24, 1935
3 Claims. (Cl. 250—162)



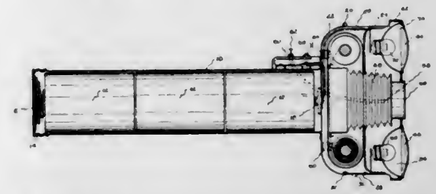
1. An electron-optically focussed cathode ray tube of the type wherein the cathode is located adjacent the rear end and a screen is disposed adjacent the front end comprising in combination an actual cathode having an emitting surface which is substantially independent in magnitude of ray current, a first accelerating electrode, a further electrode located behind said first accelerating electrode and creating in conjunction therewith a diverging electron lens immediately in front of the cathode, said first accelerating electrode being located so close to said cathode that the focal length of said lens is greater than the distance between said lens and said cathode, whereby said lens produces behind said cathode a virtual image of the whole emitting surface thereof only slightly magnified, and means to produce from said virtual image a real image of the whole emitting surface of the cathode.

2,138,722
VARIABLE FEED MECHANISM FOR STOKERS
Royce L. Beers, Birmingham, Mich., assignor to Detroit Stoker Company, Monroe, Mich., a corporation of Michigan
Application September 14, 1936, Serial No. 100,770
13 Claims. (Cl. 74—151)



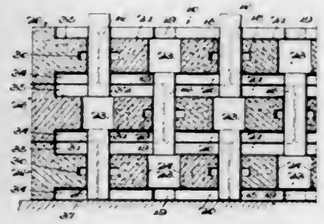
1. The combination with fuel feeding means, of actuating means therefor including a rotary element, means for alternately coupling and uncoupling said actuating means and fuel feeding means, timing means operating after a predetermined number of cycles of said rotary element for effecting the coupling operation of said coupling and uncoupling means and alternately operating after a distinct predetermined number of cycles of said rotary element for effecting the uncoupling operation of said coupling and uncoupling means and adjustment means for said timing means to independently vary the number of cycles during which said actuating means is respectively coupled and uncoupled to said feeding means.

2,138,723
COMBINATION PORTABLE POCKET LIGHT AND CAMERA UNIT
John Arthur Bell, Jackson, Mich.
Application May 25, 1936, Serial No. 81,677
2 Claims. (Cl. 240—6.4)



1. A portable combination light and camera unit comprising an elongated body for the storage of batteries and constituting a handle to be received in the palm of the hand, an enlarged head at one end of said body comprising fixed and hinged parts, a removable camera unit adapted to be removably supported and housed in said fixed part with the lens thereof axially aligned with said body, a plurality of reflectors with bulbs therein for forming concentrated light beams respectively, supported from said hinged part, said reflectors with said hinged part in closed position being located upon opposite sides of said lens with the reflecting light beams thereof overlapping within the focusing range and being directed along the axis of said camera.

2,138,724
BUILDING BLOCK AND WALL CONSTRUCTION VENTILATED HORIZONTALLY AND VERTICALLY
Stanley Brozek, Dearborn, Mich.
Application February 2, 1938, Serial No. 188,376
7 Claims. (Cl. 72—102)



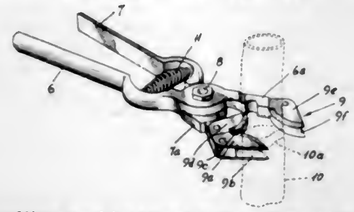
1. A building block having opposite sides of substantially the same height, said block being provided in its opposite ends with substantially vertical recesses, said block being provided in its top and bottom with longitudinal grooves leading into the end recesses, said block being further provided upon its top and bottom with pairs of intermediate recesses, the inner ends of the intermediate recesses in the top being spaced from the inner ends of the intermediate recesses in the bottom.

2,138,725
DRAIN COCK WRENCH
Edward J. Brouhard, Des Moines, Iowa
Application November 3, 1936, Serial No. 108,960
1 Claim. (Cl. 81—121)



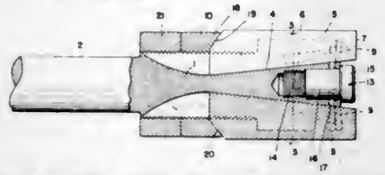
In a drain cock wrench, a wrench member of relatively thick sheet metal and a separate elongated handle member, said wrench member comprising a shank having one end snugly fastened to one end of said handle member by a transverse pivotal connection permitting frictional rotation of said shank thereabout in a plane extending in the same direction as said handle member, and having an integral wrench head at its other end comprising an arm extending substantially at right angles to said shank and a pair of spaced parallel flanges of substantially the same size and shape extending at right angles from opposite side edges of said arm in substantially the same direction as said shank but out of alignment therewith, said pivotal connection being sufficiently tight to prohibit free rotation of said shank thereabout.

2,138,726
GIRDLING TOOL
John M. Cartwright, Malaga, Calif.
Application June 3, 1937, Serial No. 146,151
1 Claim. (Cl. 30—173)



A girdling tool having two handles, each handle terminating at one end with a jaw, said handles being pivotally connected, adapting the jaws to be opened and closed, cutting blades convex in shape, each blade terminating at an approximate point, said blades being arranged on the jaws in pairs, the blades forming each pair being positioned on diverging planes, the greatest divergence between the blades of each pair being at the points of the blades, two pairs of blades being attached to one jaw, the two pairs of blades thereon being arranged so that the sharpened edges of one pair diverge from the sharpened edges of the other pair, the cooperating jaw having one pair of blades thereon, the one pair of blades on said cooperating jaw being positioned so that the sharpened edges thereof are on the same approximate plane as the cooperating blades on the jaw having two pairs of blades thereon.

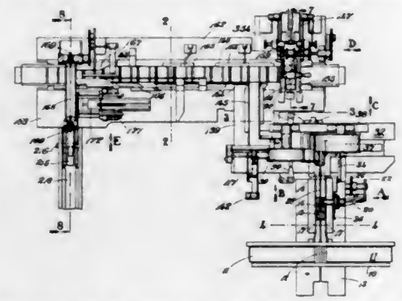
2,138,727
CUTTING TOOL
Stuart A. Cogsdill, Detroit, Mich.
Application April 6, 1936, Serial No. 73,007
5 Claims. (Cl. 77—75.5)



1. In a cutting tool, the combination with a body having angularly spaced longitudinally extending seats, blades engaging said seats, a flexible member having grooves for receiving said blades, said blades having generally axially extending grooves, said flexible member having shoulders with the shoulders of said flexible member engageable with the grooves of said blades, and means upon said body for securing said flexible member to said body and for also flexing said flexible member to contract the same and to clamp said blades against said seats.

2,138,728
WRAPPING MACHINE
John Walker Chalmers, Deptford, London, England, assignor to Molins Machine Company, Limited, London, England
Application August 23, 1937, Serial No. 160,530
In Great Britain August 26, 1936
11 Claims. (Cl. 93—2)

1. In a wrapping machine the combination with means to feed a wrapper transversely into the path of an article of a conveyor to move an article into engagement with the wrapper, elements co-operating with said conveyor to fold the wrapper into U form about the article, a guide through which the wrapper is fed into the path of the article, said guide being movable in

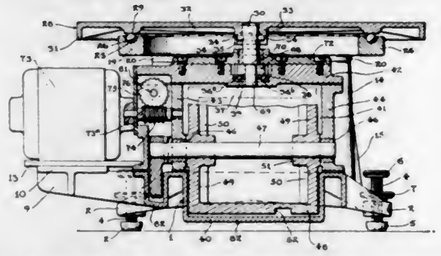


the direction of movement of the wrapper being so fed and a folding element movable with said guide and operative to fold a part of a previously fed wrapper formed into a U about the article.

2,138,729
PROCESS OF ALLOYING METALS WITH LEAD
William Thomas Butcher, Ilford, England, assignor to Goodlass Wall & Lead Industries, Limited, London, England
No Drawing. Application July 22, 1937, Serial No. 155,120. In Great Britain August 8, 1936
17 Claims. (Cl. 75—166)

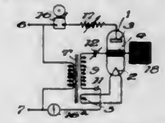
1. A process of alloying metals with lead, which comprises the steps of treating a bath of molten lead with a flux, consisting of a mixture of a lead halide and an oxide of a metal having, under the conditions of the process, a less affinity for oxygen than lead, thereby effecting oxidation of a portion of the lead and replacement thereof in the bath by the said metal and removing the lead oxide so formed by separating the flux from the bath.

2,138,730
REVOLVING DISPLAY STAND
Frank A. Cooper, Syracuse, N. Y., assignor to Lynde D. Hokerk, Utica, N. Y.
Application December 31, 1935, Serial No. 57,059
6 Claims. (Cl. 211—1.6)



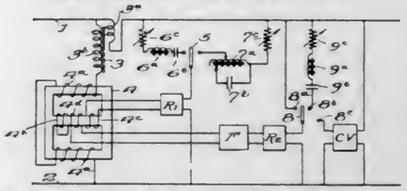
1. A display stand including a frame comprising a base provided with a bottom housing section, an intermediate housing section secured to the base, a top housing section mounted upon the intermediate housing section, said housing sections forming a closed housing and providing an oil sump, posts rising from the base beyond the housing sections and an open bearing ring detachably supported by the posts and located above and spaced from the housing, a rotary platform mounted upon the bearing ring for supporting merchandise to be displayed, a rotary cam drum mounted within the housing, a motor for rotating the cam drum, and mechanism mounted within the top housing section and actuated by the cam drum for rotating the platform.

2,138,731
DETECTOR CIRCUITS
Palmer Hunt Craig, Bethlehem, Pa., assignor to Invex Corporation, New York, N. Y., a corporation of New York
Application February 28, 1935, Serial No. 8,741
11 Claims. (Cl. 177—352.2)



1. Electrical apparatus comprising a source of alternating electric current, a transformer the primary of which is connected to said source and having two secondaries, a thermionic valve the filament of which is connected across one of said secondaries, connections from the other secondary to the grid and plate of said valve, a condenser in the connection between the second secondary and the grid of said valve, and means varying the capacity of said condenser and arranged to be actuated by an extraneous object.

2,138,732
ELECTRIC REGULATOR
Palmer Hunt Craig, Bethlehem, Pa., assignor to Invex Corporation, New York, N. Y., a corporation of New York
Application September 21, 1936, Serial No. 101,856
18 Claims. (Cl. 171—119)



1. In combination, an alternating current line, a booster transformer connected in said line, means for controlling the boost of said transformer including a magnetizing winding, said means being operable upon increase in magnetizing current to increase the boost of said transformer, a voltage sensitive circuit connected across said line and including a parallel ferro-resonant circuit connected in series therewith and having optimum resonance at the highest normal voltage of said line, a rectifier connected in series with said voltage sensitive circuit and having its output circuit connected to supply direct current to said magnetizing winding variable in magnitude substantially with the variation in amplitude of alternating current flowing through said parallel ferro-resonant circuit.

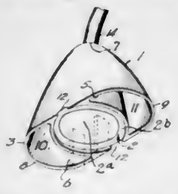
2,138,733
ANTICRYPTOGAMIC COMPOSITION
Albert D'Amico, Rome, Italy
No Drawing. Application February 5, 1937, Serial No. 124,328. In Italy February 20, 1936
1 Claim. (Cl. 167—16)

An anticryptogamic composition for plants which consists of a homogeneous mixture of calcium oxide and completely dehydrated copper sulfate, both in finely powdered condition.

2,138,734
COMPOSITE SURFACING MATERIAL
Albert Ernest Horatio Dussek, Bromley, England
No Drawing. Application October 10, 1936, Serial No. 105,148. In Great Britain November 8, 1935
2 Claims. (Cl. 106—31)

1. The method of preparing a composite surfacing material which consists in the steps of mixing 70% to 86% by volume of aggregate with 9% to 15% by volume of an asphaltic species of bitumen and from 5% to 15% by volume of ground or broken waste vulcanized rubber containing at least one filler, and heating the mixture at a temperature above the melting point of the bitumen but below that of the rubber and for a period sufficient to insure intimate mixing of the three ingredients but insufficient to cause the rubber to melt or disintegrate whereby the rubber particles retain their identity as such.

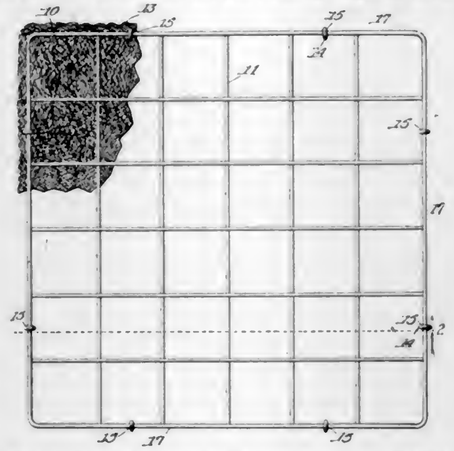
2,138,735
ATTACHING DEVICE
Horace R. Ellis, Meadville, Pa.
Application November 19, 1937, Serial No. 175,517
4 Claims. (Cl. 173—361)



1. An electrical plug including a resilient one-piece body part formed of a substantially solid centrally disposed head and a hollow carrier having an outer end, and front, rear, and side walls, said walls including inner and outer faces, said side walls merging into said front and rear walls, a pair of opposed sides of said head merging into the inner faces of the front and rear walls intermediate the ends of the latter, the side walls of the carrier being spaced from the other pair of opposed sides of the head, said side walls in connection with the said other pair of opposed sides of the head and the remaining portions of the said front, rear and outer end walls of the carrier providing a pair of suction creating chambers closed at the outer end and opening at the inner end of said body part, said chambers being spaced from each other by said head and providing for connecting said body part to a support for an electrical output at opposite sides of the output, said body part being of semi-ovoidal contour in side elevation and oval contour in transverse section.

2,138,736
FILTER PAD
Herbert M. Gaarder, Chicago, Ill., assignor to Wilson & Company, a corporation of Delaware
Application September 25, 1936, Serial No. 102,577
4 Claims. (Cl. 183—45)

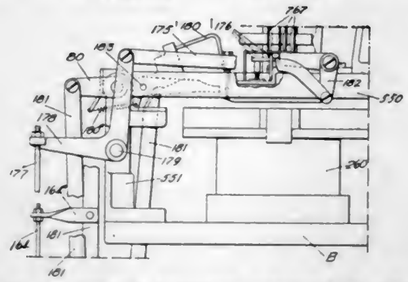
1. An air filter of the impingement type comprising a flat pad of loosely distributed resilient fibrous filtering material, a coarse mesh screen support of less cross-section than the pad, the edges of said pad extending substantially uniformly approximately one quarter to three quarters of an inch beyond the edges of the support, the resiliency of the fibers being such as to provide an edge seal having substantially the filtering capacity and low air resistance of the body of the filter, and said support being slightly smaller and the pad slightly larger than the passageway for which the pad is intended.



2,138,737
EGG PRODUCT AND PROCESS OF PRODUCING SAME
Raymond D. Gerwe, Cincinnati, Ohio
No Drawing. Application June 29, 1937, Serial No. 151,028
5 Claims. (Cl. 99—196)

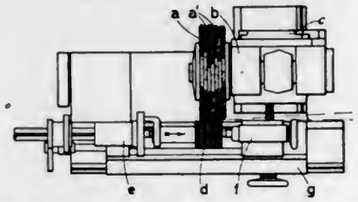
1. As a new article of manufacture, an egg product comprising the separated yolks of a given quantity of eggs plus sufficient whites to yield a mix representing substantially forty-eight per cent of the total weight of the yolks and whites so separated, and added sodium chloride and sugar in amounts sufficient to yield a mixture containing approximately one and one-half per cent added sodium chloride and ten per cent sugar.

2,138,738
PATTERN DRUM CONTROL MEANS
Ivan W. Grothey, Laconia, N. H., assignor to Scott & Williams, Incorporated, New York, N. Y., a corporation of Massachusetts
Application April 6, 1937, Serial No. 135,317
11 Claims. (Cl. 66—140)



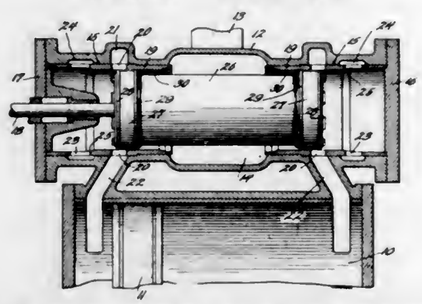
1. In a circular knitting machine, a pattern drum, a pawl for operating said drum, means for operating said pawl to advance said drum, a lever for engaging said pawl to prevent operation of said drum by said pawl, a latch for holding said lever with said pawl kept from operating said drum, pattern controlled means for operating said latch to release said lever to return said pawl for drum operation and means on said drum for operating said lever to prevent said pawl operating said drum.

2,138,739
PRODUCING AND/OR FINISHING SCREW THREADS BY GRINDING
Stanley Jaffa Harley, Stivichall, Coventry, England
Application November 21, 1935, Serial No. 50,948
In Great Britain November 23, 1934
2 Claims. (Cl. 51—95)



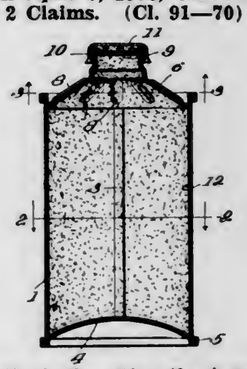
1. A grinding machine comprising a work carrier and a grinding wheel having at least one large diameter leading serration adapted to operatively engage the work, and a series of smaller diameter annular serrations diminishing progressively in diameter from the leading serrations, each said serration being adapted to operatively engage the work only when the preceding serration has become worn, and means for causing relative axial movement between said wheel and work carrier in such a direction that the serrations of the wheel approach the work piece in order of the size of their diameters, with the large diameter leading serration first approaching and operatively engaging the work piece.

2,138,740
STEAM ENGINE VALVE
William F. Kiesel, Jr., Hollidaysburg, Pa., assignor of one-third to Virginia Kiesel Rutan, Chevy Chase, Md., one-third to John S. Kiesel, Williamsport, Pa., and one-third to William F. Kiesel, 3d, Stewart Manor, Long Island, N. Y.
Application August 29, 1936, Serial No. 98,615
9 Claims. (Cl. 121—142)



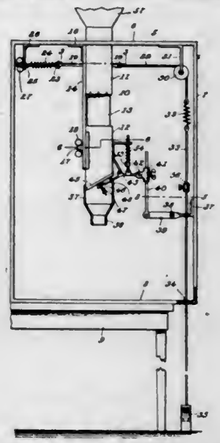
1. In a piston valve having inside admission, in combination, a valve body having enlarged ends operating in ported sleeves, said sleeves being connected by an enlarged steam chest, each of said valve ends providing conventional steam lap inwardly of said ports, said body being of such cross-sectional area between said ends that the steam passage space between it and the inner surface of either of said sleeves is less than one-third of the area of the ports in one of said sleeves, said passage space supplying all of the steam to the cylinder at all speeds of the engine.

2,138,741
METHOD OF COATING SHEET METAL CAN WITH WAX
Alfred L. Kronquest, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application April 7, 1936, Serial No. 73,167
2 Claims. (Cl. 91—70)



1. The method of coating the inner surface of a sheet metal can having a side seam and end seams with a petroleum wax which is rendered fluid by heating, flowed over the inner surface of the can, and the surplus wax then drained from the can, consisting in heating the can until the metal is raised to a temperature a few degrees above the congealing point of the wax, applying heat to the wax for melting and raising the same to a temperature only sufficient to cause the wax to flow freely over the entire inner surface of the can while at a temperature slightly above the congealing point of the wax, whereby said wax is caused to adhere to and form a continuous covering for the inner surface of the can and the shoulders formed in the metal incident to the bending of the metal for forming the seams.

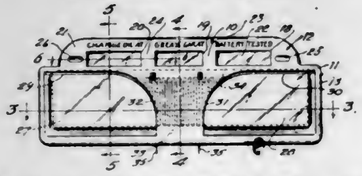
2,138,742
MEASURING DEVICE
Vernon D. McBrayer, Phil Campbell, Ala.
Application June 10, 1938, Serial No. 213,043
2 Claims. (Cl. 221—113)



1. A device of the character described, comprising, a frame, a chute mounted in said frame and provided with upper and lower relatively adjustable sections, means for maintaining said sections in a predetermined adjusted position, upper and lower closures for said upper and lower

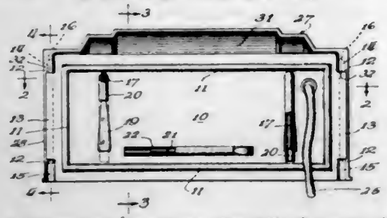
sections respectively and functioning to measure the quantity of material discharged from said chute upon operation of said lower closure, a cable connected to said upper closure for moving the latter into closed position, a spring connected to said upper closure for normally urging the latter into open position, an arm pivotally mounted on said lower section and connected to said lower closure whereby to actuate the latter to open and closed positions, a rod extending within said frame and equipped with a sleeve, a lever pivotally mounted on said frame for effecting connection between said arm and sleeve upon movement of said rod in one direction whereby said lower closure is actuated to open position, and a sleeve connecting said cable to said rod for effecting movement of said upper closure to closed position in advance of movement of said lower closure to open position.

2,138,743
VEHICLE RECORD AND ARTICLE HOLDER
Howard Leslie Moore, Cochranton, Pa.
Application May 3, 1938, Serial No. 205,773
3 Claims. (Cl. 40—17)



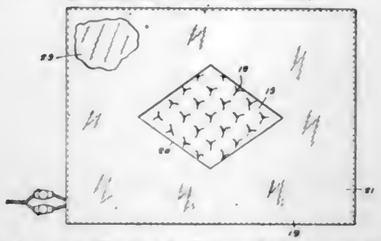
2. A car record and article holder comprising a body plate, said plate having a plurality of horizontally aligned windows adjacent a longitudinal edge thereof, a plurality of aligned spaced apart channel members struck rearwardly from said plate, said channel members facing said windows and having open opposite end portions, a relatively stiff record strip engaging in said channel members, detents struck rearwardly from said plate and engageable with the ends of said strip to normally hold said strip against longitudinal movement, and a pocket struck forwardly from said plate and disposed below said windows, said pocket being open at the upper edge thereof.

2,138,744
BED LAMP
Victor Nemeroff, Chicago, Ill., assignor to Electro Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application February 18, 1938, Serial No. 191,215
3 Claims. (Cl. 240—4)



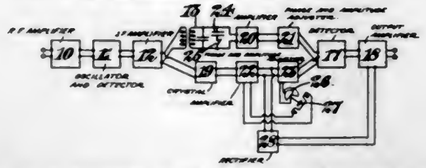
2. A lamp of the class described comprising a vertically disposed horizontally elongated metal plate, a lamp socket mounted on the front face of such plate, a pair of spaced apart downwardly opening hooks mounted on the rear face of such plate and arranged to engage an upper edge of a piece of furniture whereon the lamp is to be mounted, a plurality of offset, outwardly extending, spring tongues at each end of such plate, a relatively rigid frameless canopy open at back and bottom, said canopy comprising a generally arcuate front wall and a pair of end walls having vertically disposed rear edges and inwardly turned vertical flanges formed on the rear edges of the end walls of the canopy, each of such canopy end wall flanges being of a width to be frictionally engaged and embraced on its opposite faces by the tongues of the metal plate.

2,138,745
COMFORT
Louis Pecker, Newark, N. J.
Application July 28, 1937, Serial No. 156,205
1 Claim. (Cl. 219—46)



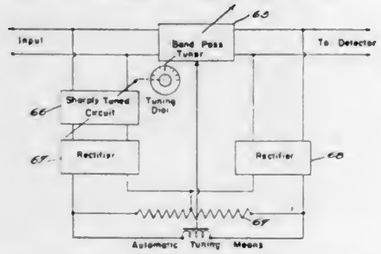
An electrically heated comfort comprising a pliable sheet of fabric, electrical heating wires sewed to one face of the sheet, upper and lower sheets of pliable fabric stitched at the longitudinal and end edges to the longitudinal and end edges of the wire supporting sheet, bats of wool disposed respectively on opposite sides of the wire supporting sheet, tufts securing the bats in place upon the upper and upon the lower sheets, a fabric cover forming an envelope for the sheets and bats, there being a substantially diamond shape opening in the central portion of the cover through which said sewed together sheets and bats may be inserted in the cover, the cover comprising upper and lower sheets, a sheet of oilskin lining the inner side of the lower sheet of the cover and preventing perspiration reaching the lower sheet of the comfort to soil the same, the upper and lower sheets and oilskin lining of the cover being all sewed together at their longitudinal and end edges, means for supplying current to said wires, and means for controlling the current supplied to the wires.

2,138,746
WIRELESS AND LIKE RECEIVER
James Robinson, London, England
Application September 1, 1934, Serial No. 742,487
In Great Britain September 9, 1933
4 Claims. (Cl. 250—20)



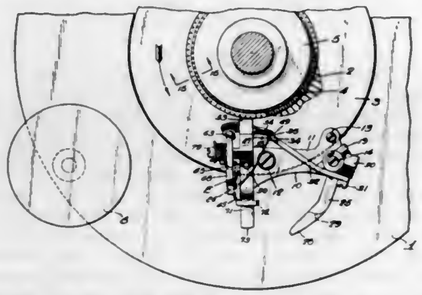
1. In a wireless or like receiver for modulated carrier-wave signals, signal-selective means comprising the combination of a broadly-tuned resonant device for receiving at least one side-band of the signals at substantially uniform amplitude, means for applying the signals to said broadly-tuned resonant device, means for converting the frequency of the signals to a frequency that is constant for a range of different signals, a resonant device of low damping tuned to the converted frequency of the signals, means for applying the converted signals to said resonant device of low damping, means for reconverting the output of said resonant device of low damping to the original signal frequency, means for combining said converted output with the output of the broadly-tuned resonant device, a rectifier for the signals and means for applying the combined output to the said rectifier.

2,138,747
RECEIVER FOR WAVE SIGNALS
James Robinson, Mill Hill, London, England
Application October 2, 1935, Serial No. 43,265
In Great Britain October 5, 1934
1 Claim. (Cl. 250—40)



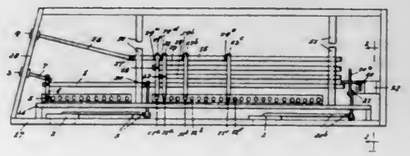
In a radio receiver which is manually tunable through a range of frequencies for selecting the required signals, the combination of a band-pass selective device for selecting the signals for reproduction, a tunable selective device having a sloping characteristic for frequencies adjacent the resonant frequency of the receiver, means for applying incoming signals to both said devices, means for rectifying the output of both said selective devices, means for combining the rectified outputs in the opposed sense such that a zero resultant is obtained for accurate tuning of the receiver and means for applying the said resultant automatically to adjust the effective tuning of the receiver towards resonance with the received signals when the receiver is manually tuned to include incoming signals in the range of said selective device which has the sloping characteristic.

2,138,748
ATTACHMENT FOR KNITTING MACHINES
Edward C. Sherlin, Fort Payne, Ala., and Walter Larkin, Norristown, Pa., assignors to Fidelity Machine Company, Wilmington, Del., a corporation of Delaware
Application May 19, 1936, Serial No. 80,642
15 Claims. (Cl. 66—9)



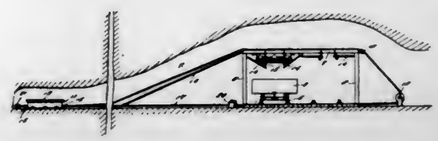
1. In a knitting machine employing two sets of needles and a guide delivering a body thread to both sets continuously for knitting complete successive normal interknit courses of stitches in front and back stitch wales alternately of a ribbed fabric, means for feeding an additional thread to only the needles knitting said back wales or between said sets of needles selectively during normal feeding of said body thread to both sets of needles and the knitting of said body thread in said front and back wales for knitting predetermined portions of said additional thread into predetermined stitches of said back wales and for laying an intermediate portion of said additional thread between said front and back wales.

2,138,749
HAND HARMONICA
Viktor Skudies, Munich, Germany
Application May 25, 1937, Serial No. 144,565
In Germany August 17, 1935
12 Claims. (Cl. 84—376)



1. In a hand-harmonica, the combination of two sets of valves, two sets of keys, connecting means permanently individually interconnecting the valves of one of said valve sets with the keys of one of said key sets, disconnectable coupling means individually, disconnectably interconnecting said connecting means and the valves of the other valve set, and other connecting means individually interconnecting the keys of the other of said key sets with said coupling whereby the keys of one of said key sets can be made to operate valves of both valve sets or the valves of any one set and whereby, at the same time, valves of the other set of valves can be operated by the keys of the other key set.

2,138,750
MINE LOADING APPARATUS
Gilbert Smith, Fayetteville, W. Va.
Application January 28, 1938, Serial No. 187,531
1 Claim. (Cl. 214—63)



Loading apparatus for use in mines comprising an open elevated frame, a ramp extending to the top of the frame, a pan having a downwardly opening hinged bottom, and means to pull the pan up said ramp onto the frame, said frame having thereon in the path of movement of the pan a plurality of pairs of downwardly inclined

gates forming open bottom hoppers below the pan for the discharge of contents of the pan therethrough selectively and providing for downward opening of the bottom of the pan when the latter is located over the same, said pairs of gates acting under movement of the pan in opposite directions, respectively, from such location to cam said bottom of the pan into closing position, the gates being hinged to the frame for upward swinging movement into closing position.

2,138,751

PROCESS FOR THE PRODUCTION OF ELASTIC OBJECTS FROM POLYVINYL ALCOHOL

Herbert Vohrer, Berlin, Germany, assignor to the firms Techno Chemie Kommanditgesellschaft Kessler & Co., Berlin, Germany, and Dr. Schnabel & Co. Komm.-Ges., Berlin-Neukolln, Germany

No Drawing. Application November 12, 1935, Serial No. 49,439. In Germany November 19, 1934

16 Claims. (Cl. 18—54)

1. A process for the production of elastic objects from polyvinyl alcohol comprising working up polyvinyl alcohol insoluble in cold water to a paste with water and softening agents in the cold state, pressing said paste into the desired form and heating it to 80–100° C.

2,138,752

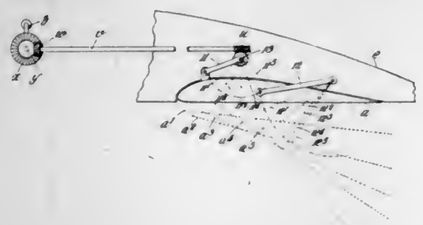
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2,138,753

MECHANISM FOR ACTUATING THE CONTROL SURFACES OF AIRCRAFT

Robert Talbot Youngman, Aldershot, England

Application December 1, 1936, Serial No. 113,658
In Great Britain December 13, 1935
1 Claim. (Cl. 244—42)



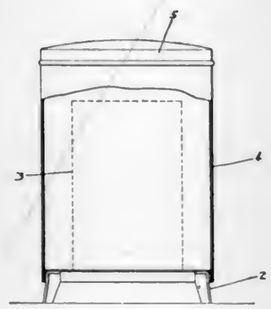
In a mechanism for the control of aircraft including a wing, a movable flap, mounted on the under surface of said wing adjacent to the trailing edge, means for moving said flap, and a second means for guiding said flap in its movement from a retracted position wherein it lies adjacent and substantially parallel to said wing, to partially and fully extended positions, said second means comprising downwardly and forwardly extending front and rear links pivotally mounted at their upper ends to said wing and at their lower ends to said flap, the front link being substantially shorter than the rear link, the relationship between the links and their points of pivotation being such that the initial pivoting of said links swings said flap more downwardly than rearwardly from said wing to a partially extended position below and substantially parallel to said wing whereby to form a slot between said flap and said wing, and further pivoting of said links swings said flap to a fully extended position wherein the front end of said flap lies relatively close to said wing and the rear end lies substantially below the wing whereby substantially to close said slot and position the flap at a substantial angle to said wing.

2,138,754

ARC WELDER

N. Llewellyn Andrus and Leo J. Ganyaw, Minneapolis, Minn., assignors to Smith Welding Equipment Corporation, Minneapolis, Minn., a corporation of Minnesota

Application July 9, 1938, Serial No. 218,436
5 Claims. (Cl. 175—361)



1. An alternating current arc welding mechanism including a transformer having a secondary adapted to furnish heavy welding currents and which is related to the primary in such manner as to provide a relatively heavy flux leakage between the primary and secondary, and a metal casing enclosing said transformer, said casing being formed of a metal which is relatively nonmagnetic thereby to reduce hysteresis and eddy current losses arising in the casing from the heavy leakage flux and increase the efficiency of the transformer.

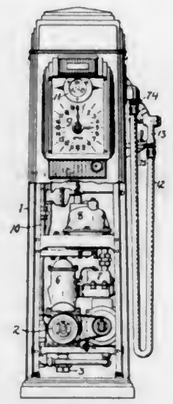
2,138,755

LIQUID DISPENSING APPARATUS

Reuben E. Bechtold, Fort Wayne, Ind., assignor to Tokheim Oil Tank and Pump Company, Fort Wayne, Ind., a corporation of Indiana

Application September 7, 1937, Serial No. 162,584
4 Claims. (Cl. 221—95)

1. In a liquid dispenser having a supply means and a dispensing line including an air eliminator and meter connected therein, a regulating mechanism connected in said line between said eliminator and the meter, said mechanism having therein an outflow check valve, a spring-restrained pilot actuated by liquid pressure in said line, a member operatively associated with the pilot and check valve whereby opening of the check valve is dependent upon operation of the



pilot, and a spring-restrained back-flow relief valve connected in the dispensing line.

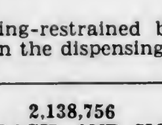
2,138,756

4-METHYL URACIL AND HOMOLOGUES THEREOF

Albert B. Boese, Jr., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application May 20, 1936, Serial No. 80,713
9 Claims. (Cl. 260—260)

1. The method for producing a chemical compound having the general structure designated by the formula



which comprises reacting diketene with a compound having a structure designated by the formula NHRCONHR', wherein R and R' respectively designate a radical selected from the group consisting of hydrogen, and alkyl radicals, R and R' being alike, in the presence of a volatile solvent for the diketene which is inert to the reactants.

2,138,757

PURIFICATION OF CELLULOSE ETHERS

William R. Collings and Toivo A. Kauppi, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application April 28, 1937, Serial No. 139,584
4 Claims. (Cl. 260—152)

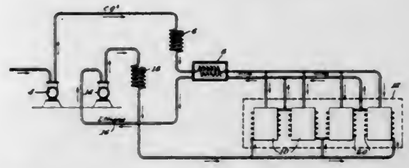
1. In a method of treating a crude alkyl ether of cellulose, the steps which consist in subjecting the crude ether to the action of an agent containing sufficient available chlorine to decolorize the crude ether and to improve its stability to degradation at elevated temperatures, while the crude ether is dissolved in a material selected from the group consisting of monohydric alcohols, ether alcohols, and alcohol esters, which are miscible with water; and, after the available chlorine has been reacted, precipitating the cellulose ether from an alkaline solution.

2,138,758

MANUFACTURE OF CARBON DIOXIDE ICE

Du Bois Eastman, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application June 15, 1935, Serial No. 26,744
3 Claims. (Cl. 62—121)



1. The method of freezing liquid carbon dioxide comprising maintaining the same in a liquid state at a relatively low temperature, providing a continuous closed cycle for a normally gaseous fluid of the type of ethane wherein said fluid is compressed, cooled by extraneous means and expanded under low pressure to produce a temperature below the melting point of said liquid carbon dioxide, the expanding fluid and liquid carbon dioxide being maintained in heat transfer relation for freezing the latter and passing said cooled expanded fluid in counter-current heat transfer relation to the liquid carbon dioxide before the latter is frozen by the expansion of said fluid.

2,138,759

DYESTUFFS OF THE ANTHRACENE SERIES AND A PROCESS OF PREPARING THEM

Wilhelm Eckert and Otto Braunsdorf, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application November 11, 1936, Serial No. 110,404. In Germany November 13, 1935
10 Claims. (Cl. 260—269)

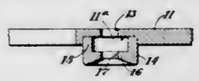
6. The compound identical with those which are obtained by the process which comprises boiling in alcohol, in the presence of an alkali, aceanthrenone with a compound of the group consisting of isatin halogen isatins and methyl isatins and melting the condensation product with caustic alkali being substantive dyestuffs which dye the vegetable fiber clear green shades.

2,138,760

SEWING MACHINE

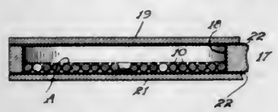
George A. Fleckenstein, Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application June 4, 1937, Serial No. 146,339
8 Claims. (Cl. 112—260)



6. A sewing machine having, in combination, a reciprocatory eye-pointed needle, a rotary hook cooperating with said needle to form lockstitches, a throat-plate formed with an aperture through which the needle descends and a cup-shaped member having an annular upstanding wall, said wall being offset laterally from the needle-aperture to provide a clearance recess and a bottom wall formed with an aperture which is in vertical alignment with the needle-aperture in the throat-plate.

2,138,761
METHOD OF PRODUCING A RUBBER ARTICLE
Charles F. Flemming, Cicero, Ill., assignor to Roth Rubber Company, Cicero, Ill., a corporation of Illinois
Application July 10, 1934, Serial No. 734,460
11 Claims. (Cl. 18—55)



6. The method of manufacturing a rubber pad which consists in wrapping a plurality of lengths of different colored round sponge rubber cord stock having sufficient suitable plasticizer therein to knit together the peripheral meeting edges of said stock, placing said wrapped product in a mold between fabric-covered press plates, heating said mold to expand said rubber to fill the mold and cure said rubber, and splitting said cured product to provide rubber pads having a spongy top surface with a sharp uniform line separation between adjacent different colors.

2,138,762
PROCESS OF POLYMERIZING METHACRYLIC ESTERS OF AMINO ALCOHOLS, IN WHICH THE AMINO GROUP IS TERTIARY, AND PRODUCT
Jesse Harmon, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 16, 1935, Serial No. 21,810
20 Claims. (Cl. 260—2)

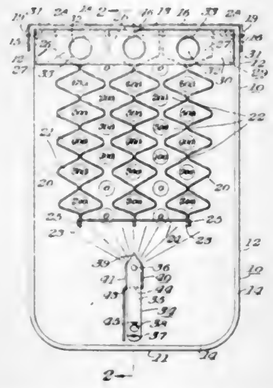
1. Process which comprises converting to a water-soluble acid addition salt a monomeric ester of an alpha-alkyl-alpha-methylene monocarboxylic acid and an amino alcohol in which the amino group is tertiary, and subsequently polymerizing said salt.

2,138,763
AMINO ALCOHOL ESTERS OF THE ALPHA SUBSTITUTED ACRYLIC ACIDS
George D. Graves, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 30, 1938, Serial No. 198,857
17 Claims. (Cl. 260—83)

1. A process for the preparation of an amino alcohol ester of an α-alkacrylic acid which comprises reacting a lower aliphatic alcohol ester of an α-alkacrylic acid with an amino alcohol in which the amino nitrogen is tertiary.

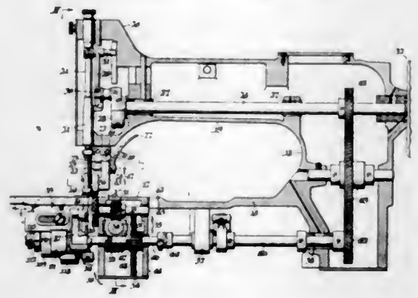
2,138,764
GAME
Harry T. Hipwell, Pittsburgh, Pa., assignor to Wolverine Supply and Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 25, 1938, Serial No. 192,475
7 Claims. (Cl. 273—105)

1. In game apparatus, the combination with a playing surface, of an upwardly extending wall at the rear end thereof, and a unitary structure defining a plurality of bottomless pockets disposed longitudinally of the surface to receive playing objects, such as marbles, projected thereat, said unitary structure being hingedly connected to the base and arranged to be swung upwardly



to release the objects, said wall being hinged so as to be folded down over the unitary structure.

2,138,765
SEWING MACHINE WORK TRIMMER
Harold J. Le Vesconte, Western Springs, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application September 9, 1936, Serial No. 99,913
19 Claims. (Cl. 112—124)

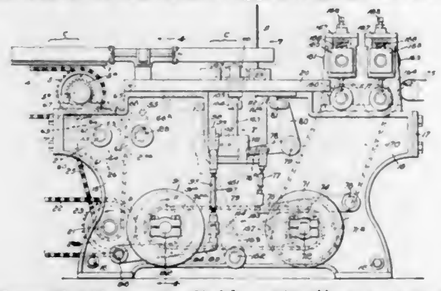


1. In a sewing machine, the combination of a bed provided with a work support at one end and a standard at the other end carrying an arm with a sewing head over said work support, a needle bar operating in said head and a needle carried thereby, a rotary looptaker with its axis extending in the general direction of said needle-bar at the outside of the needle from said standard, and means for pinking the work during sewing comprising a positively driven rotary pinking cutter at the inside of the needle acting on the work from beneath through said support.

2,138,766
HANDLING AND COLLAPSING PAPER BOXES
Kenneth W. Macdonald, Watertown, Mass., assignor to Oskar W. Wikstrom, Newton, Mass.
Application September 3, 1937, Serial No. 162,339
18 Claims. (Cl. 93—53)

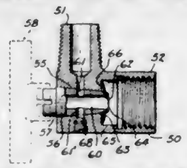
1. Mechanism for collapsing set-up paper boxes, comprising, in combination, a frame, supporting means thereon for the reception of the set-up boxes, a plurality of folder elements each movable about a fixed horizontal axis to turn

inwardly a vertically disposed wall portion of a box received on said supporting means, and



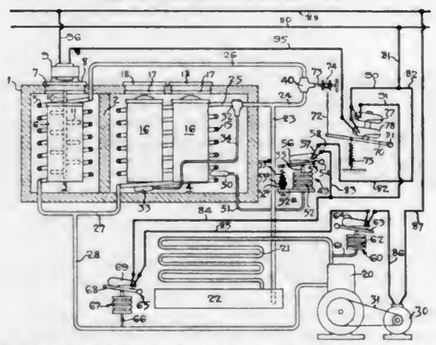
independently controllable actuating means for each folder element.

2,138,767
GAS COCK
Birchard L. Matthews, Lakewood, Ohio, assignor to The Patrol Valve Company, Cleveland, Ohio, a corporation of Ohio
Application September 30, 1936, Serial No. 103,374
1 Claim. (Cl. 251—91)



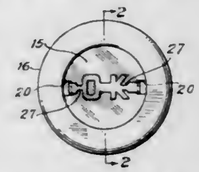
In combination, a one piece valve body having a tapered valve seat therein and a plurality of passages in communication with said seat, one of said passages constituting an enlarged recess of greater diameter than said tapered seat, a rotatable tapered valve plug in said seat and having a port therein to register with said passages to open or close the valve upon rotation of the plug, the inner end of said plug terminating interiorly of said valve body, and spring means located wholly within the valve body and within said recess, said means engaging the plug inner end and engaged with the valve body interior to firmly hold said plug in its seat.

2,138,768
REFRIGERATION CONTROL SYSTEM
William L. McGrath, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application September 14, 1936, Serial No. 100,590
23 Claims. (Cl. 62—4)



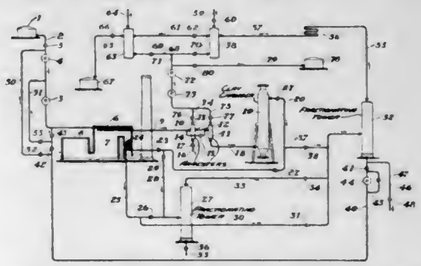
1. In a refrigeration system, a first evaporator and a second evaporator, means for supplying refrigerant to said evaporators, control means for placing the first of said evaporators in or out of operation, said control means being independent of the condition of said first mentioned evaporator, means for controlling said supplying means to meet the requirements of the second evaporator, and means actuated with said first mentioned control means for placing said controlling means out of operation when the first evaporator is placed in operation.

2,138,769
INDICATING FUSE PLUG
Hrand M. Muncheryan, Los Angeles, Calif.
Application January 27, 1937, Serial No. 122,588
15 Claims. (Cl. 200—130)



1. The combination with a fuse plug having a chamber and a window, of a conductor fuse arranged within the chamber in the plug and having a portion positioned adjacent the window in said plug, said portion bearing fuse condition indicating characters, and means for causing said conductor fuse to rupture at a plurality of points so as to release and destroy that portion of the fuse bearing the fuse condition indicating characters.

2,138,770
METHOD FOR TREATING OIL
Rudolph C. Osterstrom, Kenilworth, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
Application October 5, 1934, Serial No. 747,015
11 Claims. (Cl. 196—50)



1. The method of preparing gasoline of high anti-detonating characteristics and low gum-forming content from naphtha of low anti-detonating characteristics, which comprises heating the naphtha in a restricted stream to a temperature of approximately 1000° F. under a pressure of approximately 1000 pounds per square inch, immediately thereafter suddenly chilling the resulting products to a temperature below conversion temperature and without substantially reducing the pressure thereon, passing the entire resulting products in the absence of added hydrogen through an adsorptive catalyst capable of polymerizing substantially only the objectionable unsaturated constituents into high-boiling hydrocarbons, fractionating the treated products to remove relatively high-boiling products

of polymerization formed during contact with said catalyst, and removing the desired treated gasoline.

2,138,771
LUBRICATING OIL

Ernest F. Pevere, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application June 23, 1934, Serial No. 732,092
7 Claims. (Cl. 87—9)

1. A lubricating oil comprising a mixture of a petroleum lubricating oil with a minor proportion of a higher saturated fatty acid ester of mannitol.

2,138,772
SOLVENT REFINING OF HYDROCARBON OILS

Erich Saegebarth, Long Island City, N. Y., assignor to Edeleanu Gesellschaft, m. b. H., a corporation of Germany

No Drawing. Application October 9, 1933, Serial No. 692,906
8 Claims. (Cl. 196—13)

1. In the refining of heavy residual lubricating oil, such as derived from mixed-base crude petroleum with monochlorphenol in the absence of an auxiliary selective solvent, the method comprising extracting the residuum containing dark-colored material, residual carbon-forming constituents, as well as constituents of low and high viscosity index, with chlorphenol consisting essentially of the para form of the compound substantially free from the ortho compound, forming an extract phase comprising low viscosity index constituents, residual carbon-forming constituents and dark-colored material dissolved in the solvent, and a raffinate phase comprising high viscosity index oil having a relatively low residual carbon content and substantially free from dark-colored material.

2,138,773
PROCESSES FOR REFINING HYDROCARBON OILS BY MEANS OF BENZOL DERIVATIVES

Ernst Terres, Berlin, Germany, and Josef Moos, New York, and Erich Saegebarth, Jackson Heights, N. Y., assignors to Edeleanu Gesellschaft, m. b. H., a corporation of Germany

No Drawing. Application October 25, 1937, Serial No. 170 969
5 Claims. (Cl. 196—13)

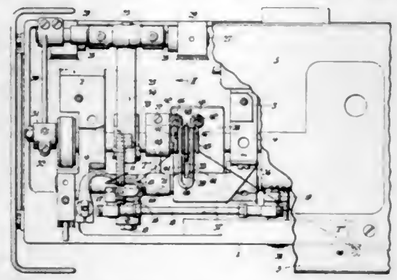
1. A process for refining hydrocarbon oils by extracting the latter with benzal acetone at suitable temperatures, to produce separation into two layers, separating the layers containing respectively paraffinic and non-paraffinic constituents from each other and recovering the solvent from the layers.

2,138,774
THREAD CONTROLLER FOR SEWING MACHINES

Charles S. Thompson, Elmhurst, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois

Application June 1, 1935, Serial No. 24,495
2 Claims. (Cl. 112—248)

1. A thread controller comprising a rotary shaft; a thread controlling cam on said shaft; a guard plate parallel with the shaft and having a slot through which the cam projects; guides at opposite sides of the slot for limiting the play of the thread; means for securing the guides to the guard plate; and a detaining element cooperative with the guides in holding the thread in a plane parallel to the guard plate, said element being fastened to said guard plate by the same securing means.



2,138,775
SYNTHETIC OIL

Charles C. Towne, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Original application August 3, 1934, Serial No. 738,293. Divided and this application August 27, 1936, Serial No. 98,235
3 Claims. (Cl. 196—78)

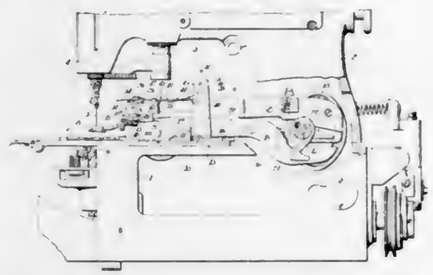
1. The method in the manufacture of a synthetic lubricating oil which comprises condensing a mixture consisting essentially of about eight parts by weight of an olefin dichloride selected from the group consisting of ethylene chloride and propylene chloride and about 10–12 parts by weight of benzene in the presence of about 1–2 parts by weight metallic halide catalyst at temperatures below about 60° C., the proportions of the reactants and the time of reaction being controlled to prevent gelling and to give a non-gelled liquid condensation product, allowing the condensation product to stratify in the absence of added water into an upper oily layer and a lower non-aqueous metallic halide sludge layer, separating the layers, distilling the separated upper oily layer to remove materials boiling below about 300° C. at atmospheric pressure to obtain as a residue an oily liquid within the lighter lubricating oil range having a specific gravity greater than 1.0, a pour point of the order of 0° F. or below, a comparatively low carbon residue and a high resistance to oxidation as measured by the Sligh number such as to render the oil suitable for use as a transformer oil, both the carbon residue and the Sligh number being substantially less than would be obtained in the absence of stratification and separation of the non-aqueous metallic halide sludge layer from the oily layer as above specified.

2,138,776
PUNCH MECHANISM FOR BUTTONHOLE-TYPE SEWING MACHINES

Alfred R. Wood, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application September 17, 1937, Serial No. 164,265
9 Claims. (Cl. 112—68)

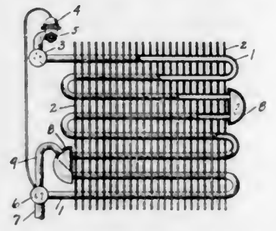
1. In a sewing machine of the buttonhole type, the combination with stitch-forming mechanism and a work-clamp, of punch-mechanism including a punch-lever having a passageway for the punchings, a sharp-ended punch-tube carried by said punch-lever for cutting the punchings from the work and delivering them to said passageway, and means in said passageway beyond the delivery end of said punch-tube and movable relative to said lever to engage the delivered punchings and move them along said passageway toward a discharge point remote from the stitch-forming mechanism.



2,138,777
REFRIGERATION

Glenn F. Zellhoefer, Bloomington, Ill., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill., a corporation of Illinois

Application March 4, 1935, Serial No. 9,150
2 Claims. (Cl. 62—126)



1. An evaporator for refrigerating apparatus including an inlet manifold adapted to be connected through an expansion valve to a source of liquid refrigerant, an outlet manifold parallel to and spaced from said inlet manifold, equalizing conduits arranged on opposite sides of the evaporator, and a plurality of sets of pipe elements arranged one set above another, each equalizing conduit connecting all of the adjacent ends of one set of elements to all of the adjacent ends of the next set, said pipe elements arranged to provide a plurality of pipe portions extending parallel to the base of the evaporator with one portion above another in parallel spaced-apart rows extending upwardly from the base, said pipe elements arranged to cooperate with the equalizing conduits to provide continuous channels connecting the inlet manifold to the outlet manifold.

2,138,778
CELLULOSE ESTERS OF ORGANIC SULPHONIC ACIDS AND PREPARATION THEREOF

George W. Rigby, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

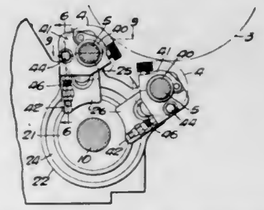
No Drawing. Application March 17, 1937, Serial No. 131,437
30 Claims. (Cl. 260—100)

1. Process of preparing cellulose esters which comprises reacting an anhydrous substance having the cellulosic nucleus and containing esterifiable hydroxyls with an excess of a halide of polyhydroxy mineral acid in which one of the hydroxyl groups is replaced by a hydrocarbon radical in the presence of an anhydrous tertiary base at a temperature from 0° C. to 90° C. until the product is at least swollen by pyridine and contains at least ¼ mol per C_6 unit of cellulose, of organically substituted inorganic acid substituent, in the presence of an inert liquid diluent.

2,138,779
ROLLER MOUNTING FOR PRINTING PRESSES

True M. Avery, Glens Falls, N. Y., assignor to Union Bag & Paper Corporation, Hudson Falls, N. Y., a corporation of New Jersey

Original application December 12, 1936, Serial No. 115,622. Divided and this application November 1, 1937, Serial No. 172,299
10 Claims. (Cl. 101—348)

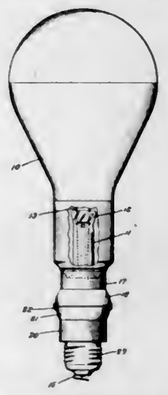


1. In a printing press, the combination of a printing cylinder, an inking roller for supplying ink thereto, a form roller for transferring ink from the inking roller to the printing cylinder, members one having an arcuate guide concentric with the axis of the inking roller and the other member having a cooperative arcuate rib for supporting the form roller for adjustment in an arc concentrically of the axis of the inking roller, and means for adjusting the form roller in said arc.

2,138,780
ADJUSTABLE ELECTRIC LAMP

Clarence Birdseye, Gloucester, Mass., assignor to Birdseye Electric Company, a corporation of Delaware

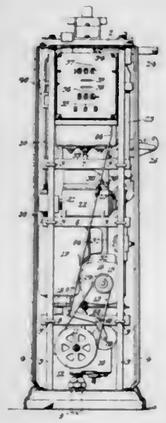
Application January 28, 1937, Serial No. 122,822
10 Claims. (Cl. 176—32)



2. An electric lamp comprising a bulb having a light source, sealed lead wires and an internal reflecting surface, and an adjustable base including a socket-fitting end portion, and intermediate portions having a hinged connection between each other and a rotatable connection of limited range with said socket-fitting portion,

the lead wires being enclosed in said intermediate portions and permanently connected to different parts of said socket-fitting end portion.

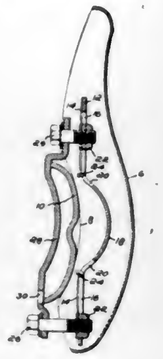
2,138,781
LIQUID DISPENSING APPARATUS
William H. D. Brouse, Toronto, Ontario, Canada, assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa., a corporation of Delaware
Application June 8, 1937, Serial No. 146,988
9 Claims. (Cl. 221—95)



1. In liquid dispensing apparatus; the combination with a pump, of an electric motor operatively connected with said pump; an electric switch for controlling said motor; an indicator for manifesting the quantity of liquid dispensed by operation of said pump and including an element connected for advancement from zero position in accordance with the quantity of liquid dispensed; means for setting said indicator back to zero position after a dispensing operation, including a rotary shaft; a cam connected to be turned by said set-back shaft; a hook lever arranged to be depressed by the weight of a conduit through which the fluid is dispensed, when said conduit is hung on said lever in idle position; a rotary member arranged to be actuated by said electric motor and having means for operating an audible signal; an audible signaling device movable to and from operative relation with said rotary member; and a lever linkage including a signal controlling lever and means cooperatively connecting it with said electric switch, cam, hook lever, and audible signaling device; whereby, if a dispensing operation is terminated by opening said switch, by depressing said hook lever, closure of said switch before said indicator is reset to its zero position causes said audible signal to sound continually until said indicator is reset to zero position.

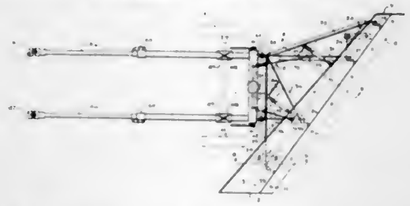
2,138,782
VERTICAL BUMPER
Alphonso S. Campbell, Winchester, Mass., assignor to A. S. Campbell Co., Inc., East Boston, Mass., a corporation of Massachusetts
Application July 7, 1937, Serial No. 152,362
6 Claims. (Cl. 293—55)

2. A vertical bumper comprising an impact body having a vertically slotted wall rearward of its front face, a nut having slots in its sides fitting the margins of the slot to slide therein non-rotatably, and means for clamping the body in position



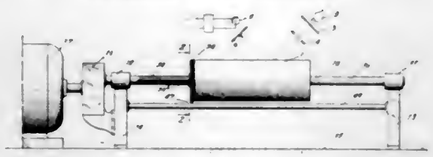
on a horizontal bumper comprising a bolt tapping into said nut.

2,138,783
SNOW PLOW
Howard G. Clark, Jackson, and William C. Sell, Ann Arbor, Mich.; said Sell assignor to said Clark
Application July 16, 1936, Serial No. 90,922
3 Claims. (Cl. 37—42)



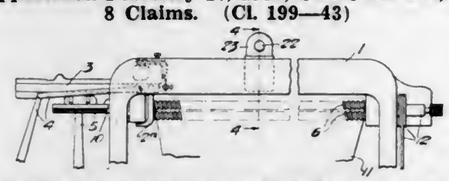
2. In combination with a snow plow body, a shoe, said shoe comprising a runner, forward and rear supports pivoted to said runner and mechanism associated with each of said supports for securing said shoes to and for positively adjusting the angularity of said shoes with respect to said snow plow body.

2,138,784
SCREW AND NUT MECHANISM
Austin G. Cooley, Rutherford, N. J., and Garett Vander Veer Dillenback, Jr., Slingerlands, N. Y., assignors to Wide World Photos, Inc., New York, N. Y., a corporation of New York
Application May 4, 1937, Serial No. 140,592
14 Claims. (Cl. 74—424.8)



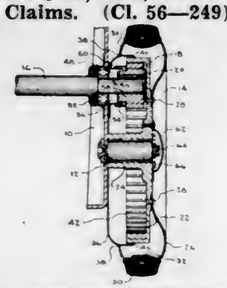
1. Facsimile scanning mechanism comprising a rotatable drum to support a member to be scanned, a shaft extending axially through said drum having one portion of its length threaded and another portion slidably keyed to the drum, and a pair of jaws coupled to the drum and releasably engaging said threaded portion of the shaft.

2,138,785
DISTRIBUTOR SIGNAL FOR TYPOGRAPHICAL MACHINES
Herman R. Freund, Brooklyn, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y., a corporation of New York
Application February 17, 1938, Serial No. 191,074
8 Claims. (Cl. 199—43)



1. In a typographical machine having a matrix distributor comprising a distributor box to receive matrix lines, a distributor bar for distributing the matrices to the magazines, and a member movable from a normal position to a position for advancing the matrices from the distributor box to the distributor bar, a signal, and controlling circuits therefor, one of said circuits having a switch therein normally retained in open condition by said matrix advancing member but adapted to close upon movement of said member from normal position and during the matrix advancing operation of said member, the other of said circuits being normally open but closed by matrices on the distributor bar while said switch is in either open or closed condition.

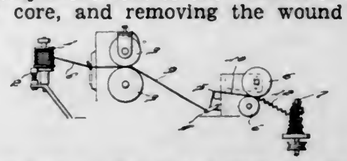
2,138,786
LAWN MOWER CONSTRUCTION
Truman B. Funk, Jackson, Mich., assignor to "Yard-Man", Inc., Jackson, Mich., a corporation of Michigan
Application June 19, 1936, Serial No. 86,101
10 Claims. (Cl. 56—249)



1. In a lawn mower construction, a wheel comprising a cast gear and hub, a sheet metal rim and outside part concentrically supported from said cast gear extending over and housing the peripheral portion of said gear, said part having a rim portion and an inside depending flange.

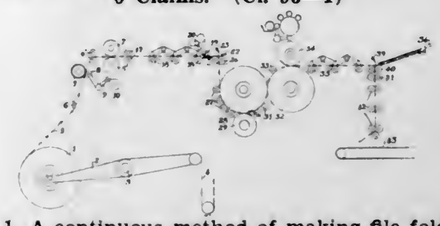
2,138,787
METHOD OF MAKING RESILIENT METALLIC BUNCHES
John W. Gottschalk and Sylvester W. Grater, Philadelphia, Pa.; Annie Gottschalk executrix of said John W. Gottschalk, deceased, assignors to John W. Gottschalk Mfg. Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 29, 1933, Serial No. 668,562
2 Claims. (Cl. 140—71)

1. The method of forming a flexible and resilient metallic bunch from a coreless, helical, metallic strand whose successive coils are normally closely adjacent each other which consists in winding the strand around a core with the strand under sufficient tension to separate successive coils from each other so that the coils of one turn around the core will fit in between the spaced coils of adjacent turns around the core with the tension of the strand retained, imparting a reciprocatory movement to the strand as it passes to said core, and removing the wound strand



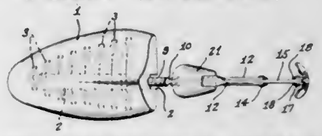
from the core to partially release the tension of the strand and allow the turns under tension to contract so that the successive coils of each turn will spring together and hold in interlocking relation the coils of other turns that are between them.

2,138,788
METHOD OF MAKING FOLDERS
Frank W. Hart, Buffalo, and Burns T. McGary, Tonawanda, N. Y., assignors to Remington Rand Inc., Buffalo, N. Y.
Original application November 22, 1933, Serial No. 699,150. Divided and this application October 22, 1936, Serial No. 107,006
6 Claims. (Cl. 93—1)



1. A continuous method of making file folders at a rapid rate, consisting in substantially continuously feeding a paper strip through a zone of treatment, roughening one face of separated sections of said strip during movement in said zone, then scoring said strip in the central portion of said roughened sections, severing said strip into sheet sections having said roughened sections at one end of each separated section, applying adhesive to said roughened sections, folding said roughened sections along said transverse scoring to provide a flap on the end of said separated sheet sections having the roughened surfaces on opposite sides of said scoring secured together in superimposed integral relation, and subsequently folding said separated sections in the central portions successively and discharging said folded separated sections from said zone of treatment as separate finished file folders.

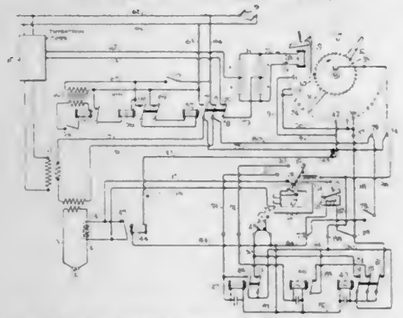
2,138,789
COMBINED SHOETREE AND SHOEHORN
Charles E. Harriman, West Bridgewater, Mass., assignor to Jones & Vining, Inc., Brockton, Mass., a corporation of Massachusetts
Application October 6, 1936, Serial No. 104,199
1 Claim. (Cl. 12—128.1)



A shoe tree having a wooden forepart formed with a central longitudinal groove and a plurality of ventilating cross-grooves in the bottom portion, a heel plate and a toggle to expand and

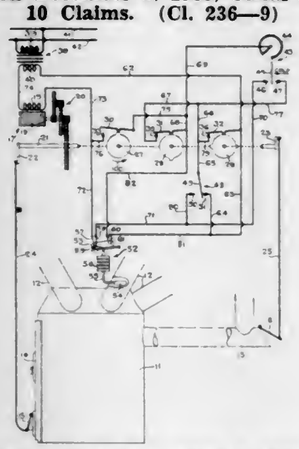
contract the tree, one toggle member being adjustably secured to the forepart and foldable into said longitudinal groove, and the opposite toggle member being pivotally attached to the heel member, said heel toggle member having one end formed as a shoe horn.

2,138,790
SPOT WELD RECORDER
Charles E. Heitman, Jr., Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 5, 1935, Serial No. 34,760
15 Claims. (Cl. 177—311)



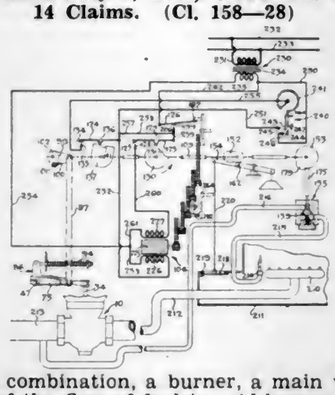
1. In a high speed spot welding system operable to produce spot welds in rapid succession, a welding circuit, a welding heat units indicator and means driven in timed relation with the succession of spot welding operations for intermittently, operatively connecting the indicator to the welding circuit, each time during and contemporaneously with one complete individual welding period excluding one or more preceding and succeeding welding periods.

2,138,791
FURNACE CONTROL SYSTEM
John P. Kriechbaum, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application December 2, 1935, Serial No. 52,466
10 Claims. (Cl. 236—9)



1. In combination, a furnace, a damper means therefor movable between draft retarding and draft producing positions, motor means for moving said damper means, means for normally operating said motor so as to move said damper means between said draft retarding and draft producing positions in accordance with a condition at one control point, manually operated means for varying the operation of said motor so as to move said damper means to an intermediate position regardless of the temperature of said space, and further means for controlling said motor in accordance with a furnace condition to cause said motor to move said dampers to the draft retarding position from said intermediate position upon said furnace condition assuming a predetermined value.

2,138,792
BURNER CONTROL SYSTEM
Carl G. Kronmiller, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application July 3, 1936, Serial No. 88,781
14 Claims. (Cl. 158—28)

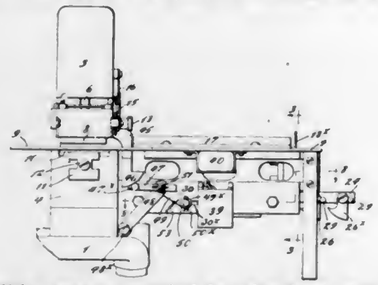


13. In combination, a burner, a main valve in control of the flow of fuel to said burner, a pilot burner, a pilot burner valve, a motor, reduction gearing driven by said motor, lever means connected to said main valve, means biasing said main and pilot valves to closed positions, an operating member connected to said pilot valve, valve actuating means driven by said reduction gearing, said means including a crank pin, means connected to said lever means located in the path of movement of said pin, said means being so configurated and arranged with respect to said pin that upon engagement by said pin in response to rotation of said gearing by said motor in one direction, said means will be moved by said pin in a direction to cause the opening of the main valve and will be retained in valve open position by said pin as long as the motor remains energized, the biasing means for the main valve being of sufficient strength that upon deenergization of said motor, said motor will be caused to run in a reverse direction by reason of the force imparted to said pin, the momentum of said motor keeping the motor running long enough to carry the pin a substantial distance from the means connected to the lever means, whereby upon energization of the motor, there will be considerable lost motion before the pin starts to open the main valve, and means for causing said pilot valve to be opened by said motor during the period that the lost motion is being taken up.

2,138,793
ELECTRICAL REPEATING PRINTING MACHINE
William F. Muller, Brooklyn, N. Y., assignor to William A. Force, III, New York, N. Y.
Application May 2, 1938, Serial No. 205,453
8 Claims. (Cl. 101—318)

2. In an electrical repeating printing machine

in combination with a reciprocable printing head, electrically operated means for reciprocating the head, and a feed slide for moving a sheet into register with the printing head, of an electrical circuit leading to said means for reciprocating the printing head, a circuit closing device for said circuit and in the path of movement of said



feed slide, means carried by the feed slide and adapted to actuate said circuit closing device a plurality of times in a unidirectional movement of the slide to effect plural reciprocation of the printing head, and means operatively connected with the printing head and adapted to effect an opening of the circuit upon each reciprocation of the printing head.

2,138,794
TREATMENT OF MAGNESIUM AND ITS ALLOYS
Charles E. Nelson and Herbert De Long, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application March 15, 1937, Serial No. 130,909
3 Claims. (Cl. 148—6)

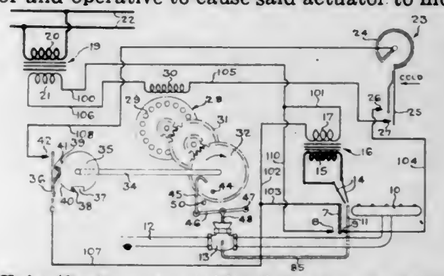
1. In a method of producing a coating upon articles of magnesium and its alloys, the step which consists in subjecting the article to the action of an aqueous solution containing as effective constituents chromic sulphate and an alkali metal chromate.

2,138,795
COMPOSITION SUITABLE FOR DENTURES AND PROCESS OF PREPARING SAME
John H. Schmidt, Bloomfield, N. J., assignor to Bakelite Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application October 30, 1934, Serial No. 750,671
11 Claims. (Cl. 260—4)

1. A process of preparing a composition suitable for dentures which comprises causing about 6 mols of phenol to react with about 9 mols of formaldehyde in the presence of sodium carbonate under a reflux for a period of about an hour, acidifying the reaction mass with oxalic acid, adding a suitable dye or pigment to the mass, dehydrating the mass by heating until the temperature approaches 125° C., and pouring the mass on a surface for cooling.

2,138,796
FUEL BURNER CONTROL SYSTEM
Hubert T. Sparrow, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Minnesota
Application January 23, 1936, Serial No. 60,487
8 Claims. (Cl. 158—28)

1. In combination, a main fluid fuel burner, a pilot burner, a pilot valve controlling the flow of fuel to said pilot burner, a main valve for controlling the flow of fuel to said main burner, an electrically operated actuator, means connecting said actuator to said valves so as to cause successive opening of said valves in the order named, a source of electrical energy, a circuit including said source of electrical energy and said actuator and operative to cause said actuator to move



sufficiently to open said pilot valve, a switch, means for moving said switch to circuit closing position upon the presence of a flame at said pilot burner, and a second circuit including said source of electrical energy, said actuator, and said switch, said last named circuit being operative upon being established to cause said actuator to move sufficiently farther to open said main valve.

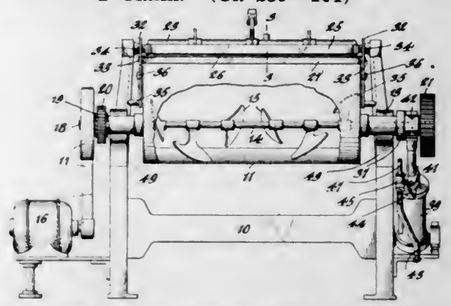
2,138,797
MANUFACTURE OF IRON
Marvin J. Udy, Niagara Falls, N. Y., assignor to Monsanto Chemical Company, a corporation of Delaware
No Drawing. Original application December 3, 1934, Serial No. 755,767. Divided and this application August 7, 1937, Serial No. 157,840
3 Claims. (Cl. 75—123)

1. An ingot iron containing:

	Per cent
Phosphorus	between 0.60 and 3.00
Silicon	between 0.10 and 0.004
Carbon	between 0.14 and 0.01

the remainder being iron.

2,138,798
MEAT MIXING MACHINE
Adrian C. Van Hooydonk, Buffalo, N. Y., assignor to John E. Smith's Sons Company, Buffalo, N. Y., a corporation of New York
Application September 11, 1937, Serial No. 163,416
1 Claim. (Cl. 259—104)



In a meat mixer, the combination of a frame, a tiltable tub having trunnions at its ends mounted on said frame, said tub being open at its top for filling and discharge purposes, shafts extending through said tub at opposite sides of its tilting axis and having mixing paddles thereon, a rock arm fulcrumed intermediate its ends axially

of said trunnions adjacent one end of the frame and pivotally jointed at its opposite ends to the adjoining extended ends of the paddle-shafts, stop means at one end of said frame disposed substantially radially about the trunnion-axis and facing in different directions and in the respective paths of movement of the opposite ends of said rock arm for limiting the movement of the tub to its filling and discharge positions, respectively, and fluid-operated means for tilting the tub including a cylinder pivotally mounted on said frame, a piston operating therein and pivotally connected at its free end to one end of said rock arm, and valve means for controlling the admission of fluid to opposite ends of said cylinder to govern the tilting movements of the tub.

2,138,799

MINERAL FUSION PRODUCT AND PROCESS OF MAKING SAME

Charles R. Walker, South Braintree, Mass., assignor to Abrasive Products, Inc., South Braintree, Mass., a corporation of Massachusetts

No Drawing. Application February 10, 1936, Serial No. 63,222

8 Claims. (Cl. 51—280)

5. An abrasive comprising a fusion product of garnet, kaolin and a flux.

2,138,800

TORCH

Lloyd W. Young, Buffalo, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Application September 15, 1933, Serial No. 689,523

3 Claims. (Cl. 158—27.4)



1. In a torch, a handle having a bore therein and a socket at one end of said bore, a gas conduit in said bore, a tubular connection block in said socket and secured to said conduit whereby said block is held in position, said block being provided with a skirt at the end remote from said conduit, a mixer comprising an integral tubular body having ports therein, the bore of said mixer flaring outwardly in both directions from said ports, an injector in said bore on one side of said ports and a throat member in said bore on the other side of said ports, means for holding said mixer in said block in such a position that the ports are protected by the skirt, and a burner carried by said mixer.

2,138,801

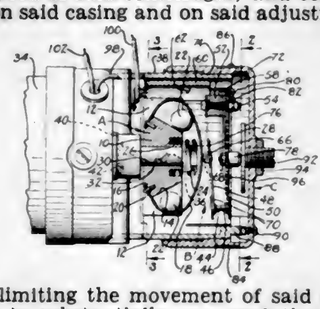
CENTRIFUGAL SWITCH

Lloyd W. Young, Elizabeth, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Application January 19, 1935, Serial No. 2,496

11 Claims. (Cl. 200—80)

4. A centrifugal switch comprising a casing; a centrifugal within said casing; a pair of cooperating contacts within said casing in operative relation with said centrifugal; an adjusting member rotatably mounted with respect to said casing for varying the relative position of said contacts with respect to said centrifugal to vary the operating point of said contacts with respect to the speed of said centrifugal; and cooperating means on said casing and on said adjusting mem-



ber for limiting the movement of said adjusting member to substantially one revolution.

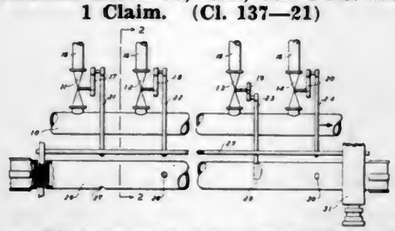
2,138,802

SELECTOR DEVICE FOR VALVE MANIFOLDS

Peter Clancy, Oakland, Calif.

Application March 14, 1938, Serial No. 195,729

1 Claim. (Cl. 137—21)



In combination with a longitudinally arranged series of valves each provided with a member which moves longitudinally as the valve is opened: a manually rotatable cylinder having openings staggered around its circumference, said cylinder being arranged in juxtaposition to the ends of said longitudinally movable members when the valves are closed, and said openings being so arranged that one only of said openings may be brought into register with one of said longitudinally movable members at one time, to permit the passage of said longitudinally movable member and the opening of said valve.

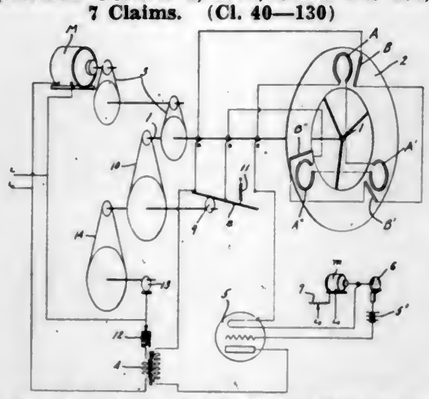
2,138,803

LUMINOUS DISPLAY

Harry P. Dorn, Cleveland, Ohio; Frederick W. Dorn administrator of said Harry P. Dorn, deceased

Application October 2, 1936, Serial No. 103,734

7 Claims. (Cl. 40—130)



1. Apparatus of the character described comprising a pair of gaseous electric discharge ele-

ments, means for operating said elements with periodic luminosity, said elements being mounted for movement during their operation, cyclically about a center from which one element is located farther than the other, and means for moving the far element at less angular speed than the near element.

2,138,804

CHEWING GUM

Clarence H. Flint, Westport, Conn., assignor to Peter Paul, Inc., Naugatuck, Conn., a corporation of Delaware

No Drawing. Application December 24, 1937, Serial No. 181,607

4 Claims. (Cl. 99—135)

1. Chewing gum containing flavoring material, characterized by a greater flavor retention when chewed, and substantial mouth sweetening properties, said gum containing as the active ingredient activated carbon in an amount insufficient to alter substantially the chewing characteristics of the gum.

2,138,805

GERMICIDAL DETERGENT

Halvor O. Halvorson, St. Paul, Milward Bayliss, Minneapolis, and John L. Wilson, St. Paul, Minn., assignors to Economics Laboratory Inc., St. Paul, Minn., a corporation of Delaware

No Drawing. Application December 22, 1934, Serial No. 758,724

4 Claims. (Cl. 167—31)

1. A germicidal detergent composition in the form of a dry mixture of buffer salts, soaps, and the sodium salt of a phenyl phenol, in such proportions that when a solution, adapted for use as a detergent solution, is made of the mixture in such strength that the resulting pH will be from 7 to 11, the soap and phenolate will each be present in solution and to the extent of only a small fraction of 1% in the solution, the proportion of phenolate being such that the solutions would not be germicidal in the absence of the soap.

2,138,806

GERMICIDAL DETERGENT

Halvor O. Halvorson, and John L. Wilson, St. Paul, and Erling J. Ordal, Minneapolis, Minn., assignors to Economics Laboratory Inc., St. Paul, Minn., a corporation of Delaware

No Drawing. Application May 8, 1935, Serial No. 20,508

4 Claims. (Cl. 167—17)

1. A germicidal detergent composition comprising buffer salts, soap, and azochloramid, said composition being soluble in water, and a solution made therefrom, and containing from ½% to 3% of the composition, containing only a small fraction of 1% of the soap and azochloramid, the azochloramid being present in amounts insufficient to render such solution germicidal in the absence of the soap.

2,138,807

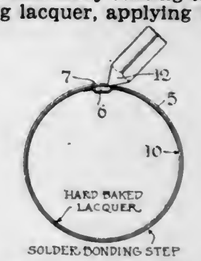
METHOD OF MAKING ENAMELED CAN BODIES

James H. O'Neil, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application October 16, 1936, Serial No. 106,016

2 Claims. (Cl. 113—120)

1. The method of making can bodies consisting in forming a cylindrical body having interengaged hooks and fluxing the interengaging hook portions interiorly coating the can body with a hard baking lacquer, applying heat to the lac-



quer for baking the same and thereafter applying molten solder to the interengaged hooks exteriorly of the can body for solder bonding said hooks.

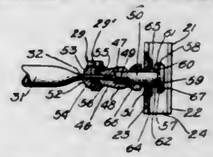
2,138,808

MIRROR DEVICE

Benjamin Putterman, Brooklyn, N. Y., and Daniel E. Reed, Norwalk, Conn., assignors to Yankee Metal Products Corp., Norwalk, Conn., a corporation of New York

Application October 13, 1937, Serial No. 168,688

4 Claims. (Cl. 248—286)



2. In a device of the character described, the combination of a support for a mirror or the like; a U-shaped clamping member having a fixed jaw; a movable jaw on said support and confined in said U-shaped member, cooperable with said fixed jaw; and a sleeve freely rotatable on said support and having a threaded connection with said U-shaped member for positively urging said support and said movable jaw toward said fixed jaw.

2,138,809

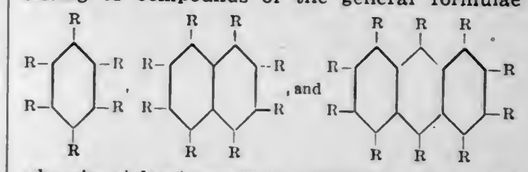
ACYLATED CONDENSATION PRODUCTS AND METHOD OF MAKING THEM

Orland M. Reiff and Darwin E. Badertscher, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application March 12, 1936, Serial No. 68,501

14 Claims. (Cl. 260—475)

1. The method of making a novel composition of matter that comprises reacting a hydroxy-aromatic compound selected from the group consisting of compounds of the general formulae

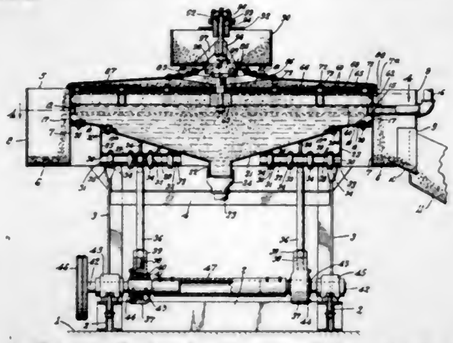


wherein at least one R is a hydroxyl group and the remaining R's represent radicals chosen from the group consisting of hydrogen, alkyl, aryl, alkaryl, aralkyl, aroxy, and alkoxy with an aliphatic material of the general order of molecular weight of the hydrocarbons found in heavy petroleum lubricating oils, petrolatum and crystalline petroleum wax, which material has been

chlorinated to the extent of about 14%, the reaction between the chlorinated aliphatic material and the hydroxyaromatic material being accomplished by melting together one molecular proportion of the hydroxyaromatic material and about 3 to 4 molecular proportions of the chlorinated aliphatic material, heating the mixture to around 150 degrees F., adding from about 3% to about 10% of a Friedel-Crafts catalyst, this percentage being based on the chlorinated aliphatic material, heating the mixture slowly to about 350 degrees F., and reacting the resulting product at a temperature between about 100 degrees F. and about 350 degrees F. with an acylating agent.

2,138,810
HYDRAULIC SIZER
Charles E. Wood, Milwaukee, Wis.
Application February 15, 1936, Serial No. 64,029
14 Claims. (Cl. 209—273)

1. In a sizing device, a sizing bed which includes a plurality of abutting balls of uniform size and shape, arranged in a relatively thin layer, means for holding said balls against substantial relative movement while permitting a slight movement of individual balls, the interstices between balls constituting sizing apertures, means for delivering to the top of the bed the material to be sized, and means for clearing the interstices of the bed, and for drawing the fine particles downwardly through the bed, including a moveable member, a fluid in the space between the bed and the movable member, and means for imparting movement to the movable member and for thereby causing the fluid to move alternately in opposite directions through the bed, the top of the bed being free from projections which would prevent the free discharge of oversize particles.



3. The method of sizing particles which includes maintaining, in a sizing zone, a plurality of substantially contacting, relatively movable members of substantially uniform size and shape, whereby the apertures between adjacent members are of substantially uniform cross section, restricting the movement of said members to permit a slight relative movement, while preventing any substantial variation in the cross-sectional area of the apertures therebetween, causing a fluid to flow through the zone of separation alternately in opposite directions, drawing the undersized particles by suction of the fluid downwardly through the sizing zone, carrying off the oversized particles across the upper face of said zone, and carrying off the undersized particles from beneath said zone.

DESIGNS

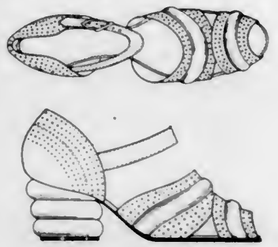
NOVEMBER 29, 1938

112,328
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Israel Berman, New York, N. Y.
Application November 3, 1938, Serial No. 80,843
Term of patent 3½ years



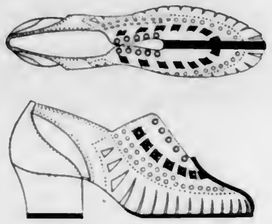
The ornamental design for a shoe or similar article, substantially as shown.

112,329
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Israel Berman, New York, N. Y.
Application November 3, 1938, Serial No. 80,844
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

112,330
DESIGN FOR A SHOE
Jacob L. Bitterman, New York, N. Y.
Application November 4, 1938, Serial No. 80,861
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

112,331
DESIGN FOR A SHOE
Jacob L. Bitterman, New York, N. Y.
Application November 4, 1938, Serial No. 80,863
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

112,332
DESIGN FOR A SHOE
Jacob L. Bitterman, New York, N. Y.
Application November 4, 1938, Serial No. 80,864
Term of patent 3½ years



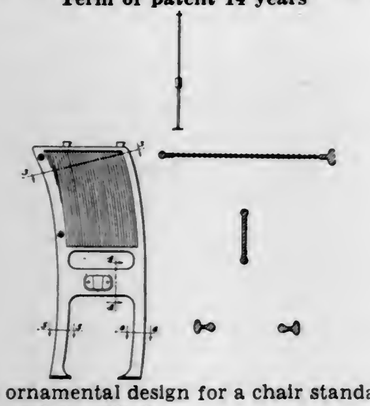
The ornamental design for a shoe, substantially as shown.

112,333
DESIGN FOR A SHOE
Jacob L. Bitterman, New York, N. Y.
Application November 4, 1938, Serial No. 80,865
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

112,334
DESIGN FOR A CHAIR STANDARD
Willard H. Bond, Jr., East Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application September 21, 1938, Serial No. 80,018
Term of patent 14 years



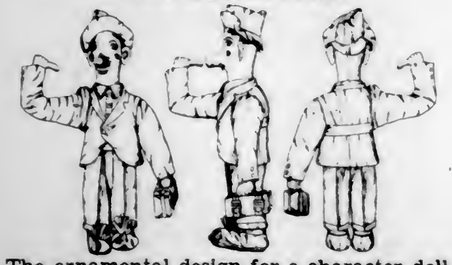
The ornamental design for a chair standard, as shown and described.

112,335
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
John W. H. Brooks, Wynnewood, Pa.
Application October 25, 1938, Serial No. 80,671
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

112,336
DESIGN FOR A CHARACTER DOLL OR SIMILAR ARTICLE
Andrew T. Cahill, Des Moines, Iowa
Application August 17, 1938, Serial No. 79,405
Term of patent 7 years



The ornamental design for a character doll or similar article, substantially as shown.

112,337
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Newton Elkin, Philadelphia, Pa.
Application October 17, 1938, Serial No. 80,497
Term of patent 3½ years



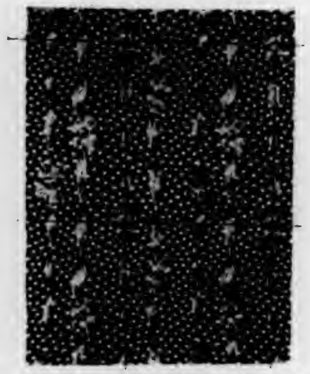
The ornamental design for a shoe or similar article, substantially as shown and described.

112,338
DESIGN FOR A TEXTILE FABRIC
Maclyn Guhl, New York, N. Y.
Application October 19, 1938, Serial No. 80,542
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

112,339
DESIGN FOR A TEXTILE FABRIC
Maclyn Guhl, New York, N. Y.
Application October 19, 1938, Serial No. 80,543
Term of patent 3½ years



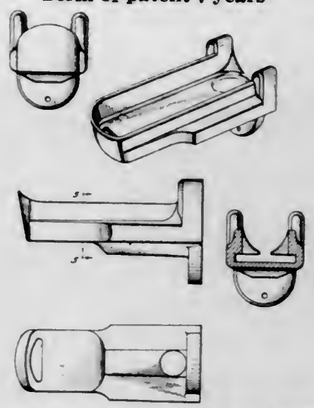
The ornamental design for a textile fabric, substantially as shown and described.

112,340
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
August Hafner, Whitestone, Long Island, N. Y.
Application October 28, 1938, Serial No. 80,732
Term of patent 3½ years



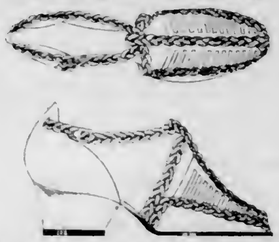
The ornamental design for a textile fabric or similar article, as shown.

112,341
DESIGN FOR A COIN SLIDE GUARD
Louis M. Hall, Fort Thomas, Ky., assignor to The Monarch Tool and Manufacturing Company, Cincinnati, Ohio, a corporation of Ohio
Application August 16, 1938, Serial No. 79,376
Term of patent 7 years



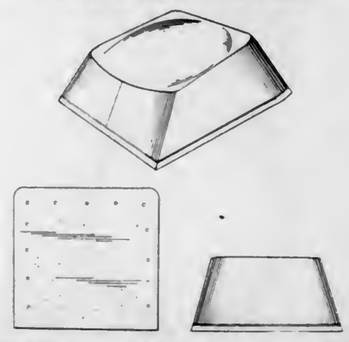
The ornamental design for a coin slide guard, as shown.

112,342
DESIGN FOR A SHOE
Benjamin F. Hartwell, Bellows Falls, Vt.
Application November 3, 1938, Serial No. 80,840
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

112,343
DESIGN FOR A HEEL
Kenneth B. Keyes, New York, N. Y.
Application October 31, 1938, Serial No. 80,782
Term of patent 3½ years



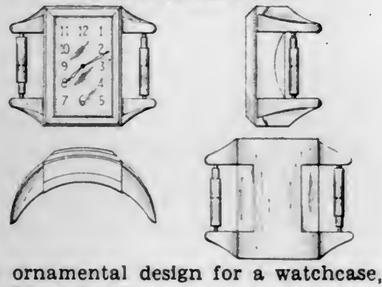
The ornamental design for a heel, substantially as shown.

112,344
DESIGN FOR A SHOE
Albert W. Lutz, Brockton, Mass., assignor to Geo. E. Keith Company, Campello, Mass., a corporation of Massachusetts
Application October 12, 1938, Serial No. 80,405
Term of patent 3½ years



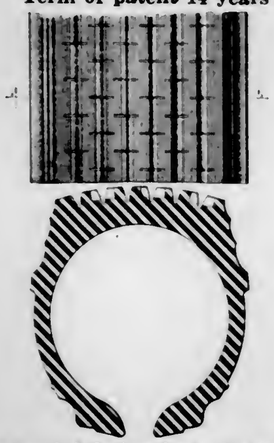
The ornamental design for a shoe, as shown and described.

112,345
DESIGN FOR A WATCHCASE
David Megar, New York, N. Y.
Application February 21, 1938, Serial No. 75,329
Term of patent 7 years



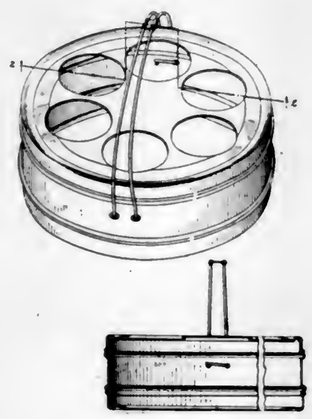
The ornamental design for a watchcase, substantially as shown.

112,346
DESIGN FOR A TIRE
Harry S. Mooradian, Dayton, Ohio, assignor to The Dayton Rubber Mfg. Company, Dayton, Ohio, a corporation of Ohio
Application July 19, 1937, Serial No. 70,518
Term of patent 14 years



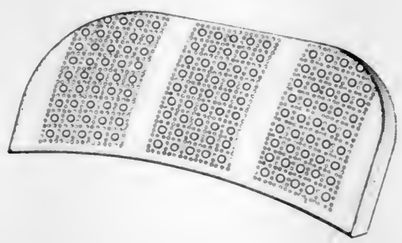
The ornamental design for a tire, substantially as shown and described.

112,347
DESIGN FOR A COMBINED CAKE CONTAINER AND SERVING TRAY
Carl G. Nesbitt, New York, N. Y.
Application July 1, 1938, Serial No. 78,209
Term of patent 14 years



The ornamental design for a combined cake container and serving tray, as shown.

112,348
DESIGN FOR A CHAIR BACK
John B. O'Connor, Aurora, Ill., assignor to Lyon Metal Products, Incorporated, Aurora, Ill., a corporation of Illinois
Application May 3, 1938, Serial No. 76,945
Term of patent 14 years



The ornamental design for a chair back, substantially as shown and described.

112,349
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Mark Turpan, West Englewood, N. J.
Application October 12, 1938, Serial No. 80,410
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

112,350
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Mark Turpan, West Englewood, N. J.
Application October 26, 1938, Serial No. 80,680
Term of patent 3½ years



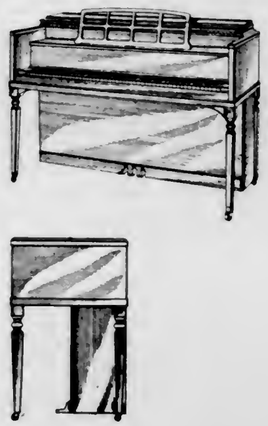
The ornamental design for a textile fabric or similar article, as shown.

112,351
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Mark Turpan, West Englewood, N. J.
Application October 26, 1938, Serial No. 80,681
Term of patent 3½ years



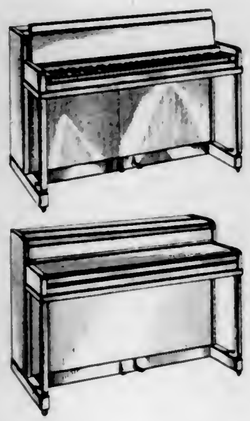
The ornamental design for a textile fabric or similar article, as shown.

112,352
DESIGN FOR A PIANO CASE
Samuel E. Zack, Chicago, Ill., assignor to Gulbransen Company, Chicago, Ill., a corporation of Illinois
Application March 26, 1937, Serial No. 68,412
Term of patent 3½ years



The ornamental design for a piano case, as shown and described.

112,353
DESIGN FOR A PIANO CASE
Samuel E. Zack, Chicago, Ill., assignor to Gulbransen Company, Chicago, Ill., a corporation of Illinois
Application November 3, 1937, Serial No. 72,601
Term of patent 3½ years



The ornamental design for a piano case, as shown and described.

112,354
DESIGN FOR A JAR COVER OR SIMILAR ARTICLE
Albert Abrams, New York, N. Y.
Application February 24, 1938, Serial No. 75,361
Term of patent 14 years





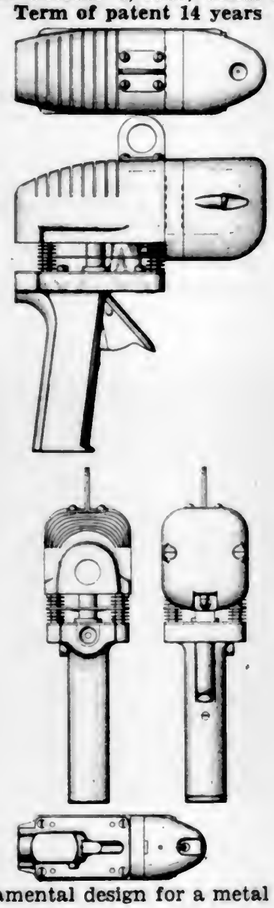
The ornamental design for a jar cover or similar article, as shown and described.

112,355
DESIGN FOR A CONTAINER PUNCH
Aaron C. Acker, Ogdensburg, N. Y., assignor to The Newell Mfg. Co., Ogdensburg, N. Y., a corporation of Maine
Application April 18, 1936, Serial No. 62,191
Term of patent 3½ years



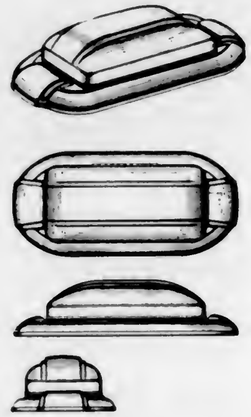
The ornamental design for a container punch, substantially as shown and described.

112,356
DESIGN FOR A METAL SPRAY GUN
Frans O. Albertson, Sioux City, Iowa, assignor to Albertson & Company, Inc., Sioux City, Iowa, a corporation of Iowa
Application October 3, 1938, Serial No. 80,218
Term of patent 14 years



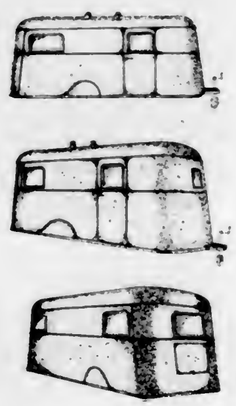
The ornamental design for a metal spray gun, as shown.

112,357
DESIGN FOR A DISPLAY BOX
Jack G. Allen, Chicago, Ill., assignor to F. H. Noble & Co., Chicago, Ill., a corporation of Illinois
Application August 12, 1938, Serial No. 79,299
Term of patent 7 years



The ornamental design for a display box, as shown.

112,358
DESIGN FOR A TRAILER HOUSE CAR BODY
David D. Arehart, Flint, Mich., assignor to Palace Travel Coach Corporation, Flint, Mich., a corporation of Michigan
Application August 16, 1937, Serial No. 71,137
Term of patent 7 years



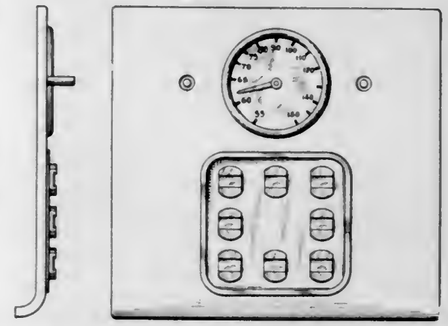
The ornamental design for a trailer house car body, substantially as shown.

112,359
DESIGN FOR A TEXTILE FABRIC
Albert I. Beldoch, New York, N. Y.
Application October 25, 1938, Serial No. 80,658
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

112,360
DESIGN FOR A COMBINED MANUAL AND AUTOMATIC TUNING PANEL FOR AUTOMOBILE RADIO SETS
George W. Bill, Cincinnati, Ohio, assignor to The Crosley Radio Corporation, Cincinnati, Ohio, a corporation of Ohio
Application December 6, 1937, Serial No. 73,394
Term of patent 14 years



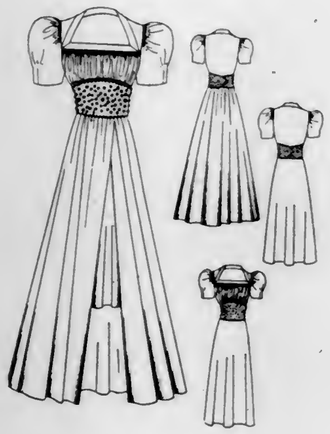
The ornamental design for a combined manual and automatic tuning panel for automobile radio sets, substantially as shown.

112,361
DESIGN FOR A BROOM COVER
James Cavallo, Fairview, N. J.
Application September 2, 1938, Serial No. 79,725
Term of patent 3½ years



The ornamental design for a broom cover, substantially as shown.

112,362
DESIGN FOR A COMBINED EVENING AND STREET DRESS
Samuel Chapman, New York, N. Y.
Application October 12, 1938, Serial No. 80,390
Term of patent 3½ years



The ornamental design for a combined evening and street dress, substantially as shown.

112,363
DESIGN FOR A COMBINED EVENING AND STREET DRESS
Samuel Chapman, New York, N. Y.
Application October 12, 1938, Serial No. 80,391
Term of patent 3½ years



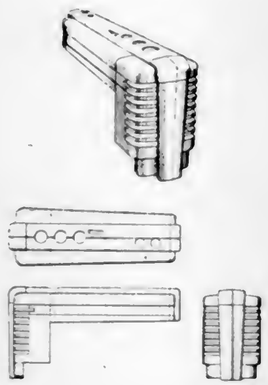
The ornamental design for a combined evening and street dress, substantially as shown.

112,364
DESIGN FOR A BRUSH BACK
George Daelemans, Woodside, Long Island, N. Y., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware
Application August 16, 1938, Serial No. 79,374
Term of patent 14 years



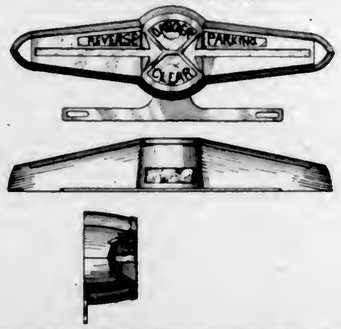
The ornamental design for a brush back, substantially as shown and described.

112,365
DESIGN FOR A COMBINED TRACTOR RADIATOR COVER AND HOOD
Henry Dreyfuss, New York, N. Y., assignor to John Deere Tractor Company, Waterloo, Iowa, a corporation of Iowa
Application September 2, 1938, Serial No. 79,722
Term of patent 14 years



The ornamental design for a combined tractor radiator cover and hood, as shown.

112,366
DESIGN FOR AN AUTOMOBILE SIGNAL LAMP
Loomis N. Franklin, Evansville, Ind.
Appliction April 22, 1938, Serial No. 76,705
Term of patent 7 years



The ornamental design for an automobile signal lamp, as shown.

112,367
DESIGN FOR A DRESS
Maurice B. Green, Spring Valley, N. Y.
Application September 17, 1938, Serial No. 79,953
Term of patent 3½ years



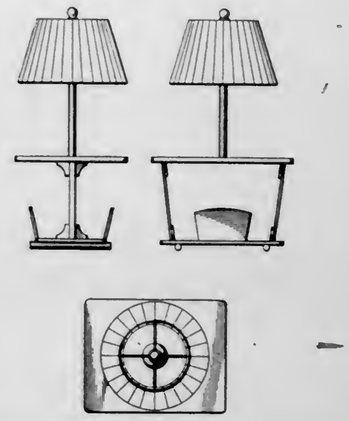
The ornamental design for a dress, substantially as shown.

112,368
DESIGN FOR A SOCK
Charles Louis Hynes, Calcutta, India
Application March 17, 1938, Serial No. 75,905
In Great Britain December 3, 1937
Term of patent 3½ years



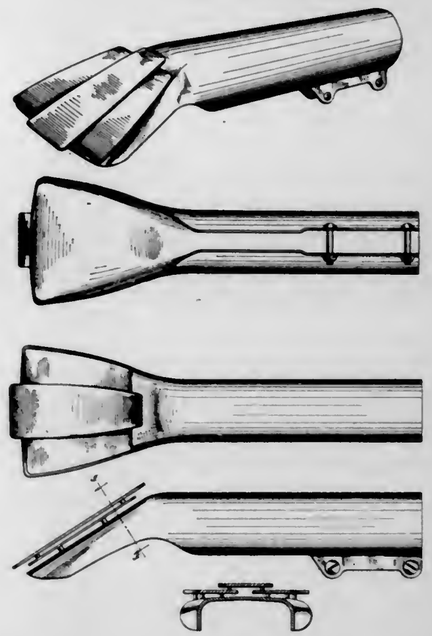
The ornamental design for a sock, as shown.

112,369
DESIGN FOR A COMBINATION SMOKER'S AND READER'S STAND
Irvin Kain, Columbus, Ohio
Application June 22, 1938, Serial No. 77,996
Term of patent 3½ years



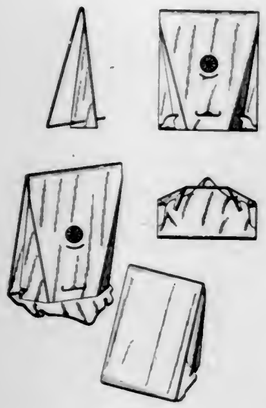
The ornamental design for a combination smoker's and reader's stand, as shown.

112,370
DESIGN FOR AN AUTOMOBILE EXHAUST SHROUD
Louis A. Koch, Louisville, Ky.
Application September 23, 1938, Serial No. 80,065
Term of patent 14 years



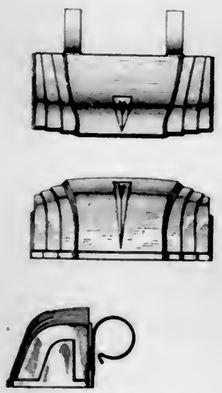
The ornamental design for an automobile exhaust shroud, as shown.

112,371
DESIGN FOR A PHOTOGRAPHIC MOUNT
Emil Koudelka, New York, N. Y.
Application August 6, 1938, Serial No. 79,166
Term of patent 3½ years



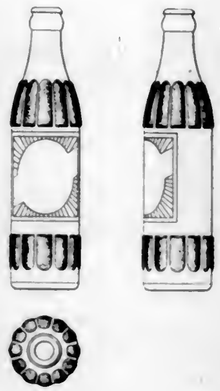
The ornamental design for a photographic mount, as shown.

112,372
DESIGN FOR A BED LAMP
Louis Ludwig, Brooklyn, N. Y.
Application August 13, 1938, Serial No. 79,310
Term of patent 14 years



The ornamental design for a bed lamp, as shown.

112,373
DESIGN FOR A BOTTLE
Charles W. Monn, Cedar Rapids, Iowa
Application September 24, 1938, Serial No. 80,078
Term of patent 14 years



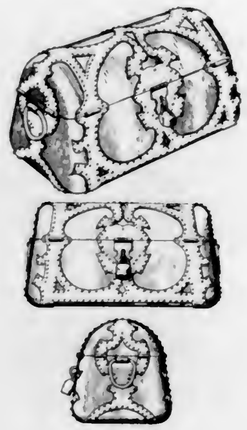
The ornamental design for a bottle, substantially as shown.

112,374
DESIGN FOR A CANDLE DRIP CATCHER
Henry W. Muller, Richmond Hill, N. Y.
Application October 29, 1937, Serial No. 72,522
Term of patent 14 years



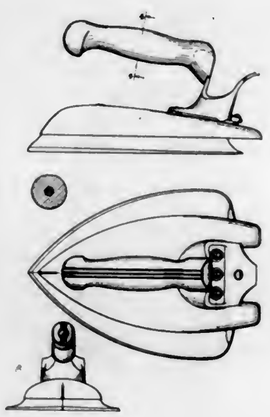
The ornamental design for a candle drip catcher, as shown.

112,375
DESIGN FOR A CHEST OR SIMILAR RECEPTACLE
Lloyd A. Nelson, San Francisco, Calif.
Application July 15, 1938, Serial No. 78,517
Term of patent 3½ years



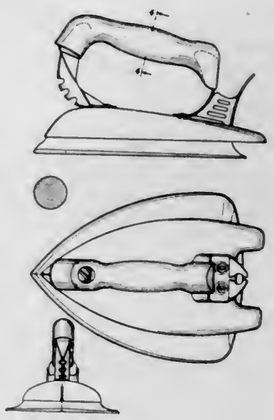
The ornamental design for a chest or similar receptacle, as shown.

112,376
DESIGN FOR A SADIRON OR SIMILAR ARTICLE
Robert B. Paysee, Oak Park, Ill.
Application April 25, 1938, Serial No. 76,729
Term of patent 3½ years



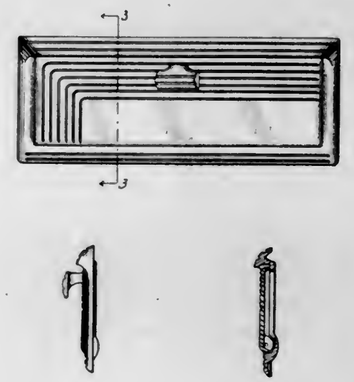
The ornamental design for a sadiron or similar article, as shown.

112,377
DESIGN FOR A SADIRON OR SIMILAR ARTICLE
Robert B. Paysee, Oak Park, Ill.
Application April 25, 1938, Serial No. 76,730
Term of patent 3½ years



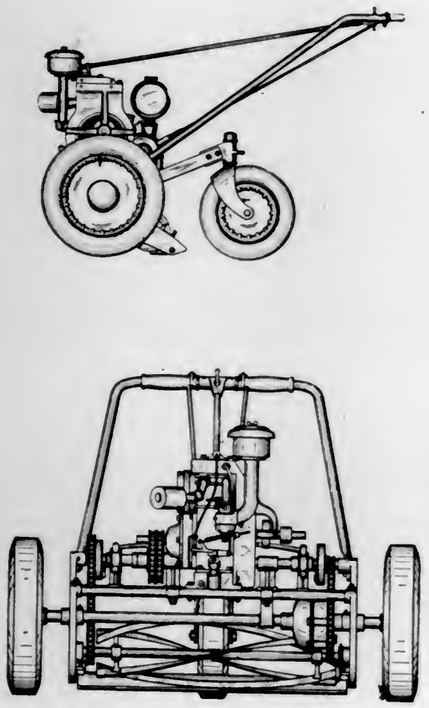
The ornamental design for a sadiron or similar article, as shown.

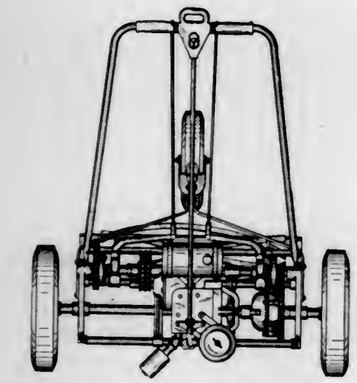
112,378
DESIGN FOR A MAIL CHUTE
Ralph Pryne, Los Angeles, Calif.
Application August 10, 1937, Serial No. 70,974
Term of patent 3½ years



The ornamental design for a mail chute, as shown.

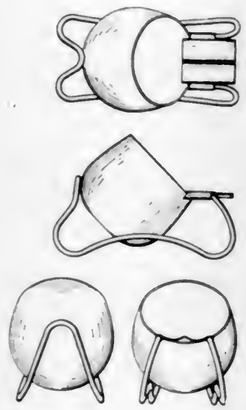
112,379
DESIGN FOR A POWER LAWN MOWER
Lester B. Roth, Prophetstown, Ill.
Application August 15, 1938, Serial No. 79,350
Term of patent 14 years





The ornamental design for a power lawn mower, as shown.

112,380
DESIGN FOR AN ASHTRAY OR THE LIKE
Harold I. Sandquist, Jamestown, N. Y.
Application October 24, 1938, Serial No. 80,647
Term of patent 3½ years



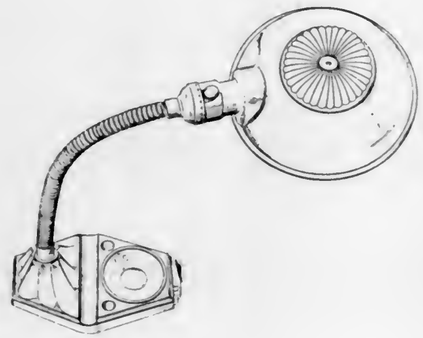
The ornamental design for an ashtray or the like, substantially as shown.

112,381
DESIGN FOR A JAR
Conrad F. Sauer, Jr., Richmond, Va., assignor to C. F. Sauer Company, Richmond, Va., a corporation of Virginia
Application March 17, 1938, Serial No. 75,891
Term of patent 14 years



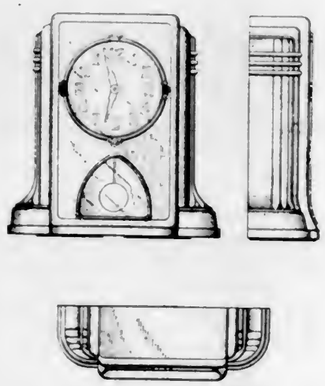
The ornamental design for a jar, substantially as shown and described.

112,382
DESIGN FOR A COMBINATION LAMP AND SMOKER'S UNIT
Herman Shulman, Brooklyn, N. Y.
Application September 27, 1938, Serial No. 80,116
Term of patent 7 years



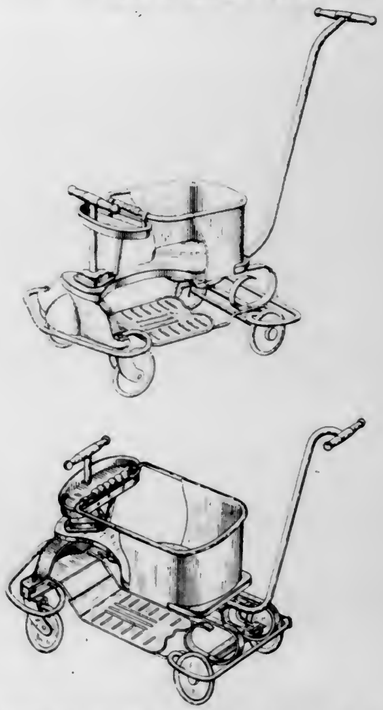
The ornamental design for a combination lamp and smoker's unit, substantially as shown.

112,383
DESIGN FOR A CLOCK
Jim I. Silvers, Chicago, Ill.
Application October 6, 1938, Serial No. 80,289
Term of patent 3½ years



The ornamental design for a clock, as shown.

112,384
DESIGN FOR A BABY WALKER
Samuel A. Snell, Toledo, Ohio, assignor to The American-National Company, Toledo, Ohio, a corporation of Ohio
Application April 4, 1938, Serial No. 76,288
Term of patent 7 years



The ornamental design for a baby walker, substantially as shown.

112,385
DESIGN FOR A BOTTLE
Leonard D. Soubier, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application March 17, 1938, Serial No. 75,892
Term of patent 14 years



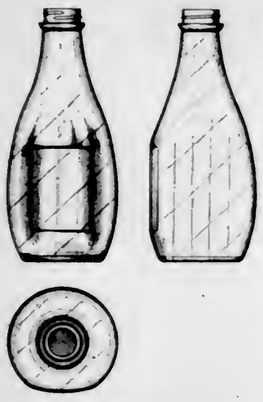
The ornamental design for a bottle, substantially as shown.

112,386
DESIGN FOR A SPECTACLE FRAME
Edward M. Splaine, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application March 24, 1938, Serial No. 76,060
Term of patent 14 years



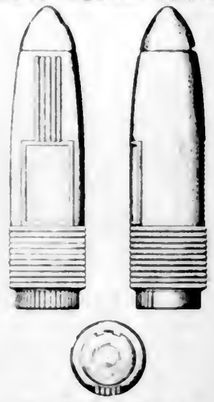
The ornamental design for a spectacle frame, substantially as shown and described.

112,387
DESIGN FOR A BOTTLE
Guy F. Street, Jr., Berkeley, Calif., assignor to Safeway Stores, Inc., Vernon, Calif.
Application July 24, 1937, Serial No. 70,624
Term of patent 14 years



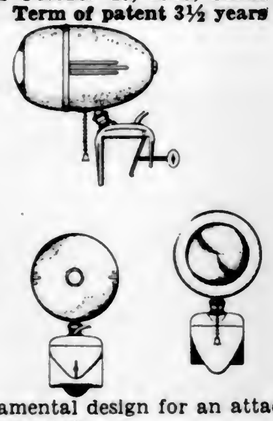
The ornamental design for a bottle, as shown.

112,388
DESIGN FOR A CONTAINER FOR FIRE EXTINGUISHER
Glenn W. Tammen, Chicago, Ill.
Application September 24, 1938, Serial No. 80,077
Term of patent 14 years



The ornamental design for a container for fire extinguisher, substantially as shown.

112,389
DESIGN FOR AN ATTACHABLE PROJECTION LAMP
Harry P. Toppin, Rochester, N. Y., assignor to F. A. Smith Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application October 10, 1938, Serial No. 80,346
Term of patent 3½ years



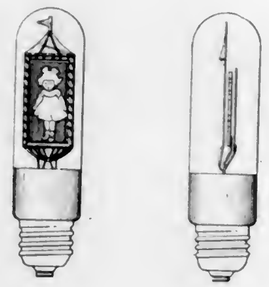
The ornamental design for an attachable projection lamp, as shown.

112,390
DESIGN FOR A CLOTHESPIN
Robert G. Wood, New York, N. Y.
Application April 25, 1938, Serial No. 76,740
Term of patent 3½ years



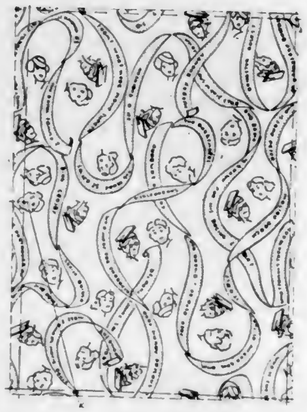
The ornamental design for a clothespin, as shown.

112,391
DESIGN FOR AN ELECTRIC GLOW LAMP
Harry C. Zaun, Atlantic Beach, N. Y.
Application August 26, 1938, Serial No. 79,577
Term of patent 3½ years



The ornamental design for an electric glow lamp, as shown.

112,392
DESIGN FOR A TEXTILE FABRIC
Rosemary Berger, New Rochelle, N. Y.
Application November 4, 1938, Serial No. 80,856
Term of patent 3½ years



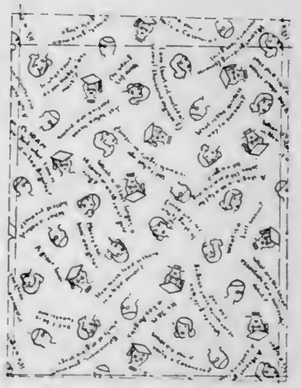
The ornamental design for a textile fabric, substantially as shown and described.

112,393
DESIGN FOR A TEXTILE FABRIC
Rosemary Berger, New Rochelle, N. Y.
Application November 4, 1938, Serial No. 80,857
Term of patent 3½ years



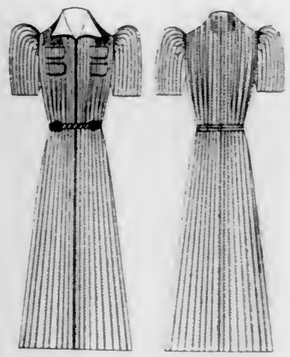
The ornamental design for a textile fabric, substantially as shown and described.

112,394
DESIGN FOR A TEXTILE FABRIC
Rosemary Berger, New Rochelle, N. Y.
Application November 4, 1938, Serial No. 80,858
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

112,395
DESIGN FOR A DRESS
David Crystal, New York, N. Y.
Application August 17, 1938, Serial No. 79,385
Term of patent 3½ years



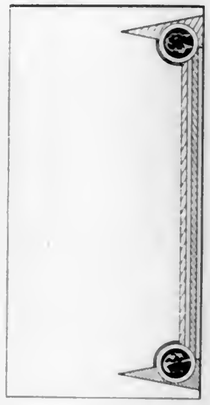
The ornamental design for a dress, substantially as shown and described.

112,396
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application August 5, 1938, Serial No. 79,120
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

112,397
DESIGN FOR A PAPER SHEET OR SIMILAR ARTICLE
Otto C. Goehring, Elmhurst, N. Y.
Application September 3, 1938, Serial No. 79,747
Term of patent 3½ years



The ornamental design for a paper sheet or similar article, as shown and described.

112,398
DESIGN FOR A DRESS
Albert E. Levy, New York, N. Y.
Application October 10, 1938, Serial No. 80,341
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

112,399
DESIGN FOR A DRESS
Albert E. Levy, New York, N. Y.
Application October 25, 1938, Serial No. 80,656
Term of patent 3½ years



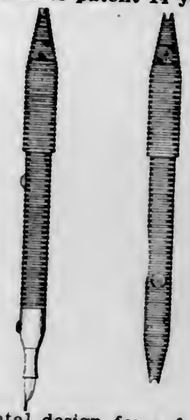
The ornamental design for a dress, substantially as shown and described.

112,400
DESIGN FOR A LIP STICK HOLDER
Irene Penn, New York, N. Y., assignor to Hattie Carnegie, Inc., a corporation of New York
Application June 30, 1938, Serial No. 78,185
Term of patent 7 years



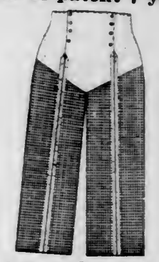
The ornamental design for a lip stick holder, substantially as shown.

112,401
DESIGN FOR A FOUNTAIN PEN OR SIMILAR ARTICLE
Anatol N. Andrews, Los Angeles, Calif.
Application July 1, 1938, Serial No. 78,222
Term of patent 14 years



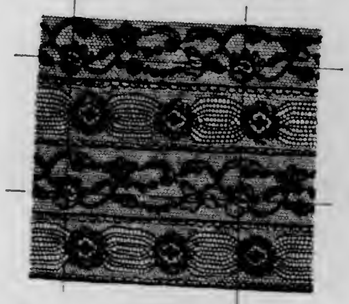
The ornamental design for a fountain pen or similar article, as shown.

112,402
DESIGN FOR TROUSERS
Herbert M. Birch, Washington, D. C.
Application April 15, 1937, Serial No. 68,789
Term of patent 7 years



The ornamental design for trousers, as shown and described.

112,403
DESIGN FOR A LACE
George M. Boysen, Philadelphia, Pa.
Application October 22, 1938, Serial No. 80,612
Term of patent 3½ years



The ornamental design for a lace, substantially as shown and described.

112,404
DESIGN FOR A TEXTILE FABRIC
Arthur de Gérard, Brooklyn, N. Y.
Application October 3, 1938, Serial No. 80,217
Term of patent 3½ years



The ornamental design for a textile fabric, as shown.

112,405
DESIGN FOR A LACE
Bert Edson, Pawtucket, R. I.
Application October 31, 1938, Serial No. 80,780
Term of patent 3½ years



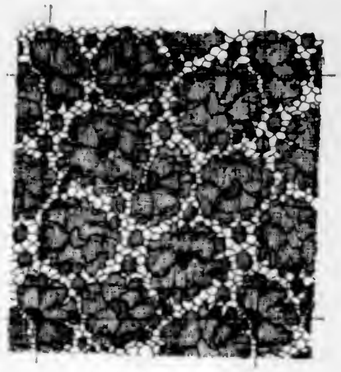
The ornamental design for a lace, substantially as shown and described.

112,406
DESIGN FOR A LACE
Bert Edson, Pawtucket, R. I.
Application October 31, 1938, Serial No. 80,781
Term of patent 3½ years



The ornamental design for a lace, substantially as shown and described.

112,407
DESIGN FOR A LACE
Bert Edson, Pawtucket, R. I.
Application November 4, 1938, Serial No. 80,867
Term of patent 3½ years



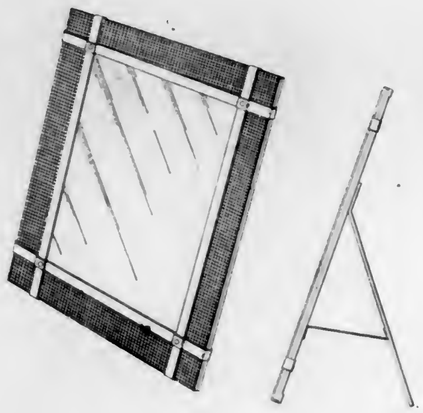
The ornamental design for a lace, substantially as shown and described.

112,408
DESIGN FOR A VESTEE
Louis Glinn, New York, N. Y.
Application September 16, 1938, Serial No. 79,930
Term of patent 3½ years



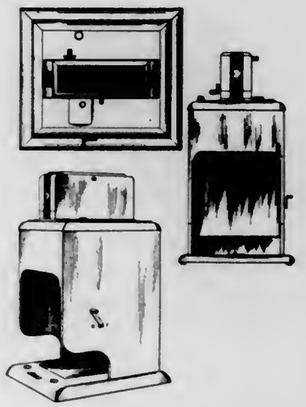
The ornamental design for a vestee, substantially as shown.

112,409
DESIGN FOR A PICTURE FRAME
Abraham Golden, Chicago, Ill.
Application October 4, 1938, Serial No. 80,247
Term of patent 3½ years



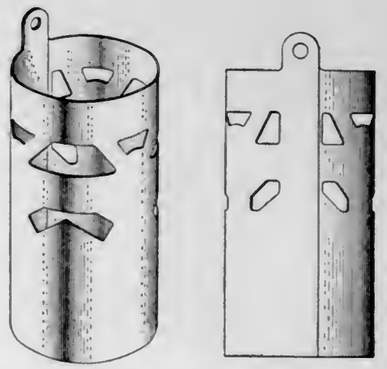
The ornamental design for a picture frame, as shown and described.

112,410
DESIGN FOR A COMBINED PHOTOGRAPHIC COPYING AND PROJECTION APPARATUS
Roy S. Hopkins, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 18, 1938, Serial No. 77,267
Term of patent 14 years



The ornamental design for a combined photographic copying and projection apparatus, as shown.

112,411
DESIGN FOR A DISPENSING CARTON
Henry W. Muller, Richmond Hill, N. Y.
Application October 5, 1938, Serial No. 80,277
Term of patent 14 years



The ornamental design for a dispensing carton, as shown.

112,412
DESIGN FOR A PINEAPPLE SLICE
Helen Hughes Richards, Honolulu, Territory of Hawaii, assignor to Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii, a corporation of Hawaii
Application October 22, 1938, Serial No. 80,631
Term of patent 14 years



The ornamental design for a pineapple slice, as shown.

112,413
DESIGN FOR A HAT
Knute Schanzer, New York, N. Y.
Application September 8, 1938, Serial No. 79,773
Term of patent 3½ years



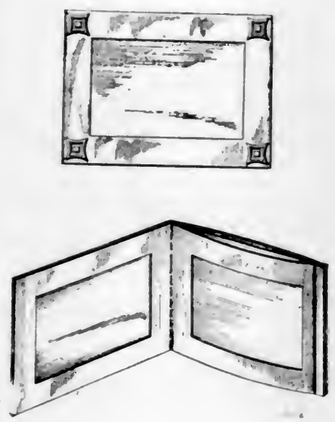
The ornamental design for a hat, substantially as shown.

112,414
DESIGN FOR DRAPE FOR CHAPEL TENT
Cecil M. Wickstrum, Omaha, Nebr.
Application April 2, 1938, Serial No. 76,236
Term of patent 3½ years



The ornamental design for drape for chapel tent, as shown.

112,415
DESIGN FOR A PHOTO FRAME BOOK
George Zumft, Stony Brook, N. Y.
Application August 17, 1938, Serial No. 79,411
Term of patent 14 years



The ornamental design for a photo frame book, as shown and described.

OFFICIAL GAZETTE

OF THE

UNITED STATES PATENT OFFICE

VOLUME 497

DECEMBER

1938

UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON: 1939

R608
U.S.-Patent office (Interior dept)
v.497
Dec. 1938

FEB 27 1939

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421555

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION
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Agfa Ansco Corporation, Binghamton, N. Y. Photographic lenses. Serial No. 411,262; Dec. 6. Class 26.
American Fibre Corporation, Troy, N. Y. Rayon staple fibre. Serial Nos. 411,590–1; Dec. 6. Class 1.
America's Future, Inc., New York, N. Y. Periodical publication. Serial No. 410,626; Dec. 6. Class 38.
American Gas Association, Inc., New York, N. Y. Gas circulating space heaters, gas domestic ranges, gas floor furnaces, etc. Serial No. 410,062; Dec. 6. Class 34.
American Lace Paper Company, Milwaukee, Wis. Paper baking cups, candy cups, eclair cases, etc. Serial No. 411,327; Dec. 6. Class 2.
Ansley Radio Corporation, New York, N. Y. Electronic pianos. Serial No. 410,416; Dec. 6. Class 36.
Arnaud's Restaurant. (See Cazenave, Leon A.)
Arnstein-Oppenheimer, Inc., New York, N. Y. Misses' and children's coats. Serial No. 396,626; Dec. 6. Class 39.
Associated Distributors, Inc., Chicago, Ill. Lipstick, rouge, face powder, etc. Serial No. 411,673; Dec. 6. Class 6.
Atlantic-Pacific Mfg. Corp., New York, N. Y. Hassocks, ottomans, floor cushions, etc. Serial No. 410,446; Dec. 6. Class 32.
Atlantic Sponge & Chamois Corporation, New York, N. Y. Chamois skin. Serial No. 411,594; Dec. 6. Class 1.
Autoyre Company, Incorporated, The, Oakville, Conn. Buckles, slides, and loops, and suspender and lingerie buckles. Serial No. 410,715; Dec. 6. Class 40.
Ayer, Harriet Hubbard, Inc., New York, N. Y. Cosmetic preparations. Serial No. 410,163; Dec. 6. Class 6.
Bacharach Industrial Instrument Company, Pittsburgh, Pa. Engine pressure indicators. Serial No. 411,365; Dec. 6. Class 26.
Barsam, Simon, doing business as California Sun-Dry Nisra Co., Fresno, Calif. Prepared cereal food. Serial No. 409,898; Dec. 6. Class 46.
Beacon Manufacturing Company, Swannanoa, N. C. Piece goods and blankets. Serial No. 409,906; Dec. 6. Class 42.
Beckett Paper Company, The, Hamilton, Ohio. File cabinet. Serial No. 410,858; Dec. 6. Class 32.
Bellenes Greek Ointment Company, Washington, Pa. Healing ointments. Serial No. 381,520; Dec. 6. Class 6.
Blackburn Products, Inc., Newark, N. J. Simulated leather. Serial No. 410,985; Dec. 6. Class 50.
Boston Woven Hose and Rubber Company, Cambridge, Mass. Rubber coverings for tension or take-off rolls or press rods of looms. Serial No. 411,676; Dec. 6. Class 50.
British Vacuum Cleaner & Engineering Company Limited, The, London and Leatherhead, England. Laundry washing machines. Serial No. 408,750; Dec. 6. Class 24.
Broberg, Manfred, Kingston, N. Y. Leg and foot exercisers. Serial No. 411,677; Dec. 6. Class 44.
Brock Candy Company, Chattanooga, Tenn. Candy. Serial No. 411,678; Dec. 6. Class 46.
Brown, William W., doing business as Sebasto Institute, Minneapolis, Minn. Medicinal tea. Serial No. 410,896; Dec. 6. Class 6.
Brush Development Company, The, Cleveland, Ohio. Vibrators for electric wave filters and vacuum tube oscillator circuits. Serial No. 408,307; Dec. 6. Class 21.
Bundy Bros. Milling Co., Medora, Ind. Live stock and poultry feed supplement. Serial No. 407,299; Dec. 6. Class 46.
California Redwood Association, San Francisco, Calif. Lumber. Serial No. 411,446; Dec. 6. Class 12.
California Sun-Dry Nisra Co. (See Barsam, Simon.)
Caradine Hat Company, St. Louis, Mo. Hats. Serial No. 411,368; Dec. 6. Class 39.
Cazenave, Leon A., doing business as Arnaud's Restaurant, New Orleans, La. Sauce for use on shrimps, sea foods, etc. Serial No. 408,531; Dec. 6. Class 46.
Celanese Corporation of America, New York, N. Y. Piece goods. Serial Nos. 411,370–1; Dec. 6. Class 42.
Chadwick, James, & Brother, Limited, Bolton, England. Woolen yarns. Serial No. 403,488; Dec. 6. Class 43.
Chemicals Limited, Montreal, Quebec, Canada. Plant hormone preparations. Serial No. 409,559; Dec. 6. Class 10.
Chicago Distilled Water & Beverage Company, Chicago, Ill. Root beer. Serial No. 410,949; Dec. 6. Class 45.
Chicopee Sales Corporation, New York, N. Y. Textile diapers. Serial No. 410,132; Dec. 6. Class 39.
Chinook Packing Company, Chinook, Wash. Canned vegetables. Serial No. 407,303; Dec. 6. Class 46.
Cohen, Joseph H., & Sons, Vanity Clothes, Inc., New York, N. Y. Men's clothing. Serial No. 399,035; Dec. 6. Class 39.
Cold Spring Bleachery, Yardley, Pa. Spun rayon in the piece and spun rayon mixtures. Serial No. 411,269; Dec. 6. Class 42.
Cole, H. C., Milling Company, Chester, Ill. Cake flour. Serial No. 403,167; Dec. 6. Class 46.
Consolidated Sewing Machine and Supply Co., Inc., New York, N. Y. Sewing machine needles. Serial No. 410,452; Dec. 6. Class 23.
Continental Mills, Inc., Philadelphia, Pa. Coats and suits, cloaks, and capes. Serial No. 411,211; Dec. 6. Class 39.
Cosgrave's Dominion Brewery Limited, Toronto, Ontario, Canada. Ales, beers, lagers, etc. Serial No. 406,633; Dec. 6. Class 48.
Crawford Manufacturing Company, Inc., Richmond, Va. Automobile slip covers. Serial No. 410,722; Dec. 6. Class 19.
Crompton Company, West Warwick, R. I. Textile fabrics. Serial No. 411,292; Dec. 6. Class 42.
Dainty Maid Brassiere Mfg. Company, New York, N. Y. Brassières. Serial No. 407,944; Dec. 6. Class 39.
Derris, Inc., New York, N. Y. Flushing powder for closet bowls, etc. Serial No. 409,725; Dec. 6. Class 4.
Dixie Lodge. (See Steele, J. A.)
Duckwall Bros., Inc., Hood River, Oreg. Fresh deciduous fruits. Serial No. 411,373; Dec. 6. Class 46.
Eclipse Knitting Mills Inc., East Newark, N. J. Wearing apparel. Serial No. 410,072; Dec. 6. Class 39.
Economy Equipment Co., Chicago, Ill. All-mechanical stationary conveyors. Serial No. 409,962; Dec. 6. Class 23.
Elder and Johnston Company, The, Dayton, Ohio. Women's and girls' hats. Serial No. 379,685; Dec. 6. Class 39.
Elgin American Division of Illinois Watch Case Company. (See Illinois Watch Case Company.)
Emery Industries, Inc., Cincinnati, Ohio. Tar or pitch. Serial No. 409,464; Dec. 6. Class 1.
Esquire Sales Co., Cleveland, Ohio. Razor blades. Serial No. 408,878; Dec. 6. Class 23.
Farrell, Lura B., Coshocton, Ohio. Comfort bottles. Serial No. 410,461; Dec. 6. Class 44.
Fay-Miss Brassiere Co., Inc., New York, N. Y. Brassières, bandeaus, corsets, etc. Serial No. 410,218; Dec. 6. Class 39.
Firth Carpet Company, The, New York, N. Y. Carpets and rugs. Serial No. 406,968; Dec. 6. Class 42.
Firth-Sterling Steel Company, McKeesport, Pa. Lathe, planer and boring tools, milling cutters, etc. Serial No. 407,097; Dec. 6. Class 23.
Fischer, J. P., Inc., New York, N. Y. Electrical apparatus for air-conditioning the hair and scalp. Serial No. 408,917; Dec. 6. Class 44.
Flex-Back Co. (See Konski, Herbert D.)
Flick, A. J., doing business as A. J. Flick & Company, Los Angeles, Calif. Canned fish. Serial No. 411,598; Dec. 6. Class 46.
Fox, David, Philadelphia, Pa. Pants and knickers. Serial No. 407,587; Dec. 6. Class 39.
Franco Corset Company, New York, N. Y. Corsets. Serial No. 409,091; Dec. 6. Class 39.
Free America, Inc., New York, N. Y. Monthly publication. Serial No. 411,493; Dec. 6. Class 38.
Frenkel, Hermann, Molkau, Germany. Varnishes, lacquers, finishing lacquers, etc. Serial No. 403,204; Dec. 6. Class 16.
Freydberg, G., H., & E., Inc., New York, N. Y. Children's wear. Serial No. 405,958; Dec. 6. Class 39.
Gamble Robinson Company, Minneapolis, Minn. Food products. Serial No. 411,218; Dec. 6. Class 46.
Gardenhour Bros., Smithsburg, Md. Fresh deciduous fruits. Serial No. 411,219; Dec. 6. Class 46.
General Motors Corporation, Detroit, Mich. Electric ranges. Serial No. 405,018; Dec. 6. Class 21.
General Shoe Corporation, Nashville, Tenn. Boots, shoes, and slippers. Serial No. 411,496; Dec. 6. Class 39.
Gerson Goodman Tutelman Company, Philadelphia, Pa. Shirts. Serial No. 410,540; Dec. 6. Class 39.
Goodstein, David M., Inc., New York, N. Y. Women's dresses, blouses, and coats. Serial No. 411,161; Dec. 6. Class 39.
Gottesman and Company, Incorporated, New York, N. Y. Wood pulp. Serial No. 399,709; Dec. 6. Class 1.
Gottesman and Company, Incorporated, New York, N. Y. Wood pulp. Serial Nos. 399,960–1; Dec. 6. Class 1.
Grant, W. T., Company, New York, N. Y. Adhesive plaster and gauze bandage. Serial No. 411,572; Dec. 6. Class 44.
Green, A. P., Fire Brick Company, Mexico, Mo. Castable refractory. Serial No. 411,410; Dec. 6. Class 12.
Greenspon's, Jos., Son Pipe Corp., National Stock Yards, Ill. Line metal casing or piping. Serial No. 408,160; Dec. 6. Class 13.
Greif, L., & Bro., Inc., Baltimore, Md. Topcoats, overcoats, coats, etc. Serial No. 410,292; Dec. 6. Class 39.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Hallberg's Synchrotone Inc., New York, N. Y. Radio wave apparatus for therapeutic uses. Serial No. 407,498; Dec. 6. Class 44.

Hammond Instrument Company, Chicago, Ill. Electrical musical instruments. Serial No. 411,376; Dec. 6. Class 36.

Harbaugh, Sally, Virginia Beach, Va. Magazine. Serial No. 411,636; Dec. 6. Class 38.

Hart, Shaffner & Marx, Chicago, Ill. Coats, suits, overcoats, etc. Serial No. 410,837; Dec. 6. Class 39.

Hartman, Margaret, New York, N. Y. Hosiery, sweaters, and underwear. Serial No. 410,786; Dec. 6. Class 39.

Hawaiian Pineapple Company, Ltd., San Francisco, Calif., and Honolulu, Hawaii. Canned pineapple. Serial No. 407,671; Dec. 6. Class 46.

Held Products Company, Chicago, Ill. Air conditioning devices. Serial No. 409,570; Dec. 6. Class 34.

Henriette, Inc., Dayton, Ky. Vanity cases. Serial No. 397,663; Dec. 6. Class 28.

Hoesch, Gebr., Kreuzau, Germany. Paper. Serial No. 403,256; Dec. 6. Class 37.

Hoffman, J. S., Company, Chicago, Ill. Canned hams. Serial No. 408,714; Dec. 6. Class 46.

Illinois Watch Case Company, doing business as Elgin American Division of Illinois Watch Case Company, Elgin, Ill. Vanity cases. Serial No. 411,416; Dec. 6. Class 2.

Industrial West, Incorporated, The, San Francisco, Calif. Magazine. Serial No. 411,533; Dec. 6. Class 38.

Interwoven Stocking Company, New Brunswick, N. J. Hosiery. Serial No. 410,366; Dec. 6. Class 39.

Iroquois Beverage Corporation, Buffalo, N. Y. Beer, ale, and porter. Serial No. 411,164; Dec. 6. Class 48.

Iroquois Beverage Corporation, Buffalo, N. Y. Beer and ale. Serial Nos. 411,165–6; Dec. 6. Class 48.

Joseph & Feiss Company, The, Cleveland, Ohio. Topcoats. Serial No. 410,140; Dec. 6. Class 39.

Killian Manufacturing Company, The, Akron, Ohio. Prophylactic rubber articles. Serial No. 411,171; Dec. 6. Class 44.

Kimberly-Clark Corporation, Neenah, Wis. Book and printing papers. Serial No. 411,338; Dec. 6. Class 37.

Kippy Products Company. (See Pfeffer, Edward J.)

Kitty Kelly Quality Co., Inc., doing business as Kitty Kelly, New York, N. Y. Shoes. Serial No. 411,172; Dec. 6. Class 39.

Konski, Herbert D., doing business as Flex-Back Co., New York, N. Y. Men's and boys' under-drawers. Serial No. 411,300; Dec. 6. Class 39.

Lamm Brothers, Incorporated, Baltimore, Md. Reversible coats and zipper lined coats. Serial No. 410,230; Dec. 6. Class 39.

Lance Packing Company, Charlotte, N. C. Peanut butter sandwiches. Serial No. 410,591; Dec. 6. Class 46.

Lane Brothers Company, Boston, Mass. Shoes. Serial No. 408,925; Dec. 6. Class 39.

Laucks, I. F., Incorporated, Portsmouth, Va. Soya bean flour. Serial No. 410,912; Dec. 6. Class 46.

Levey, Maurice M., Toledo, Ohio. Maltless beverage and sirup and extract for making the same. Serial No. 409,167; Dec. 6. Class 45.

Libby, McNeill & Libby, Chicago, Ill. Canned fruits and canned fruit sauces. Serial No. 407,025; Dec. 6. Class 46.

Lloyd, Robert J., Detroit, Mich. Slug adjusters and brake shoes for typesetting machines, and jigs for reconditioning matrices for typesetting machines. Serial No. 410,329; Dec. 6. Class 23.

Los Alamitos Packing Co. (See Ross, Dr. W. J., Company.)

Louisville Textiles, Incorporated, Louisville, Ky. Cloth upholstering, drapery and decorative fabrics. Serial No. 407,955; Dec. 6. Class 42.

Love Romances Publishing Company, Inc., New York, N. Y. Periodical. Serial No. 411,324; Dec. 6. Class 38.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections. Serial Nos. 407,501–2; Dec. 6. Class 46.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections. Serial No. 411,536; Dec. 6. Class 46.

Majestic Flour Mill, Memphis, Tenn. Wheat flour. Serial No. 411,538; Dec. 6. Class 46.

Majestic Flour Mill, Memphis, Tenn. Wheat flour. Serial No. 411,540; Dec. 6. Class 46.

Makransky, S., and Sons, Inc., assignor to S. Makransky & Sons, Philadelphia, Pa. Suits, coats, vests, etc. Serial No. 369,769; Dec. 6. Class 39.

Mariana Grove Packers, Inc., Fort Myers, Fla. Fresh citrous fruits. Serial No. 408,960; Dec. 6. Class 46.

Maui Pineapple Company, Ltd., Paia, Hawaii. Canned fruits and canned fruit juices. Serial No. 411,004; Dec. 6. Class 46.

Mayfair Togs, Inc., New York, N. Y. Girls' and misses' snow suits, ski suits and pants, jackets, etc. Serial No. 397,813; Dec. 6. Class 39.

McAnally, Hulet, Yakima, Wash. Fresh apples and pears. Serial No. 404,574; Dec. 6. Class 46.

McDonald, Mary E., Boston, Mass. Broilers. Serial No. 411,838; Dec. 6. Class 34.

McNeill, John, Jersey City, N. J. Hair restorer. Serial No. 405,398; Dec. 6. Class 6.

Medical Chemicals, Inc., Baltimore, Md. Germicidal and fungicidal preparations. Serial No. 411,303; Dec. 6. Class 6.

Middleton, John, Inc., Philadelphia, Pa. Smoking tobacco. Serial No. 411,006; Dec. 6. Class 17.

Minnesota Chemical Company, Inc., The, St. Paul, Minn. Washing powders for use particularly in creameries and dairies. Serial No. 411,582; Dec. 6. Class 4.

Minnesota Chemical Company, Inc., The, St. Paul, Minn. Detergents and soap builders. Serial No. 411,583; Dec. 6. Class 4.

Mt. Vernon-Woodberry Mills, Inc., Baltimore, Md. Crochet cotton, sewing cotton, cotton yarn, etc. Serial No. 411,132; Dec. 6. Class 43.

National Bio-Chemical Co., Los Angeles, Calif. Tablet compound. Serial No. 411,175; Dec. 6. Class 6.

National Carbon Company, Inc., New York, N. Y. Carbons for use in blueprint apparatus and other scientific appliances. Serial No. 411,463; Dec. 6. Class 26.

New England Confectionery Company, Cambridge, Mass. Confectionery. Serial No. 411,305; Dec. 6. Class 46.

Nuodex Products Co., Inc., Elizabeth, N. J. Ink driers. Serial No. 411,281; Dec. 6. Class 11.

Pa. Pi. A. Corporation, The, New York, N. Y. Beverage and syrup for making the same. Serial No. 410,703; Dec. 6. Class 45.

Parke, Davis & Company, Detroit, Mich. Preparation containing vitamin B. Serial No. 411,241; Dec. 6. Class 6.

Partee, Willis, Company, Trenton, Tenn. Fresh vegetables. Serial No. 410,529; Dec. 6. Class 46.

Patent Cereals Company, Geneva, N. Y. Cleanser having water softening properties. Serial No. 410,475; Dec. 6. Class 4.

Paxton, Hale, doing business as Paxton Products Co., Santa Ana, Calif. Internal combustion engine diagnosing equipment. Serial No. 408,132; Dec. 6. Class 26.

Perez, Marcelino, & Company, Tampa, Fla. Cigars. Serial No. 410,084; Dec. 6. Class 17.

Peters, F. C., Inc., Goulds, Fla. Fresh vegetables. Serial Nos. 410,478–9; Dec. 6. Class 46.

Pfeffer, Edward J., doing business as Kippy Products Company, Chicago, Ill. Hair nets. Serial No. 410,966; Dec. 6. Class 39.

Picot Laboratories, Inc., Wilmington, Del. Laxative and purgative preparation. Serial No. 411,243; Dec. 6. Class 6.

Quality Glove Corporation, New York, N. Y. Fabric gloves. Serial No. 403,614; Dec. 6. Class 39.

RCA Manufacturing Company, Inc., Camden, N. J. Radio receiving sets, broadcast transmitters, and parts thereof. Serial No. 397,550; Dec. 6. Class 21.

RCA Manufacturing Company, Inc., Camden, N. J. Talking machines and parts thereof. Serial No. 397,551; Dec. 6. Class 36.

R. & J. Underwear Company, Inc., New York, N. Y. Pajamas, house coats or robes, gowns for night wear, and play togs. Serial No. 410,675; Dec. 6. Class 39.

Rite-Rite Mfg. Co., Chicago, Ill. Mechanical pencils and leads. Serial No. 411,194; Dec. 6. Class 37.

Rock-Daoust Lumber Company, The, Cleveland, Ohio. Pecky cypress lumber, wood cypress finish. Serial No. 406,664; Dec. 6. Class 12.

Rolls-Royce Limited, Derby, England. Automobiles. Serial Nos. 411,657–8; Dec. 6. Class 19.

Ross, Dr. W. J., Company, doing business as Los Alamitos Packing Co., Los Alamitos, Calif. Canned dog and cat food. Serial No. 410,308; Dec. 6. Class 46.

Rubinstein, Helena, Inc., New York, N. Y. Toilet waters, perfumes, lipsticks, etc. Serial No. 411,548; Dec. 6. Class 6.

S. A. V. I. Florio-Ingham Whitaker-Woodhouse & C., Turin, Italy. Wines. Serial No. 407,505; Dec. 6. Class 47.

Sage, Peggy, Inc., New York, N. Y. Nail polish, nail polish remover, etc. Serial No. 411,467; Dec. 6. Class 6.

San Carlos Canning Company, Long Beach, Calif. Canned fish. Serial No. 411,384; Dec. 6. Class 46.

Schautz, William A., Scranton, Pa. Bread. Serial No. 406,432; Dec. 6. Class 46.

Schwab, David P., & Co., New York, N. Y. Handkerchiefs. Serial No. 409,491; Dec. 6. Class 39.

Sebasto Institute. (See Brown, William W.)

Shell Chemical Company, San Francisco, Calif. Lacquer thinner, lacquer solvent, paint thinner, etc. Serial No. 411,469; Dec. 6. Class 16.

Simelson, Joseph, New York, N. Y. Baby cream and powder. Serial No. 410,617; Dec. 6. Class 6.

Singer, Roy M., Los Angeles, Calif. Perfumes and toilet waters. Serial No. 410,813; Dec. 6. Class 6.

Sleetex Company, Inc., New York, N. Y. Windshield wiper. Serial No. 411,188; Dec. 6. Class 19.

Sol-O-Lite Manufacturing Co., Chicago, Ill. Translucent textile material. Serial Nos. 410,051–2; Dec. 6. Class 59.

Song Lyrics, Inc., New York, N. Y. Magazine. Serial No. 397,778; Dec. 6. Class 38.

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Southern Highlanders, Inc., The, Norris, Tenn. Statuettes, ornamental figurines, etc. Serial No. 410,120; Dec. 6. Class 50.

Steele, J. A., doing business as Dixie Lodge, Balsam Lake, Wis. Salad dressing. Serial No. 411,190; Dec. 6. Class 46.

Stover, Russell, doing business as Zephyr Freeze Company, Kansas City, Mo. Machines and devices for processing and converting normally liquid materials frozen to a substantially solid state. Serial No. 410,559; Dec. 6. Class 23.

Stunzi Sons Silk Co. Inc., New York, N. Y. Silk and rayon piece goods. Serial No. 409,066; Dec. 6. Class 42.

Super Ironer Corporation, St. Joseph, Mich. Ironing machines. Serial No. 411,191; Dec. 6. Class 24.

Texas Company, The, New York, N. Y. Lubricating oils. Serial No. 404,238; Dec. 6. Class 15.

Tingue, Brown & Co., New York, N. Y. Coverings of textile material for laundry presses. Serial No. 410,343; Dec. 6. Class 24.

Titus and Martin Company, The, Cincinnati, Ohio. Coffee. Serial No. 410,935; Dec. 6. Class 46.

Transparent Cover Company, Chicago, Ill. Elastic covers for lamp shades. Serial No. 410,099; Dec. 6. Class 50.

Tru-Form, Inc., New York, N. Y. Foot balancing supports, arch lifts, etc. Serial No. 410,523; Dec. 6. Class 44.

United States Battery Products, Inc., New York, N. Y. Battery separators. Serial No. 411,475; Dec. 6. Class 21.

Vandervort, Ernest H., doing business as Vandervort Drug Co., Birmingham, Mich. Medicinal preparation. Serial No. 411,255; Dec. 6. Class 6.

Van Raalte Company, New York, N. Y. Fabric gloves. Serial No. 411,390; Dec. 6. Class 39.

Vaughan & Bushnell Mfg. Co., Chicago, Ill. Single bitted axes. Serial No. 411,429; Dec. 6. Class 23.

Vaughan & Bushnell Mfg. Co., Chicago, Ill. Double bitted axes. Serial No. 411,430; Dec. 6. Class 23.

Wagner Electric Corporation, St. Louis, Mo. Fluid composition for use in fluid pressure apparatus and systems. Serial No. 411,142; Dec. 6. Class 6.

Wallace Brands, Inc., New York, N. Y. Medicinal products, aspirin tablets, laxative, etc. Serial No. 411,435; Dec. 6. Class 6.

Walter, D. N. & E., & Co., San Francisco, Calif. Carpets and rugs. Serial No. 410,808; Dec. 6. Class 42.

Westinghouse Air Brake Company, The, Wilmerding, Pa. Moulded materials. Serial No. 398,745; Dec. 6. Class 50.

Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Vending machines and parts thereof. Serial No. 409,949; Dec. 6. Class 23.

Yale Oil Corporation, Billings, Mont. Gasoline and lubricating oils and greases. Serial No. 397,062; Dec. 6. Class 15.

Yoho, Jud, doing business as Yoho & Hooker, Youngstown, Ohio. Kennel bedding. Serial Nos. 410,886–7; Dec. 6. Class 1.

Zephyr Freeze Company. (See Stover, Russell.)

LIST OF REGISTRANTS OF TRADE-MARKS

Al-Lon Manufacturing Co., Inc., Baltimore, Md. Furniture slip covers. 363,024; Dec. 6. Class 32.

Alps Sportswear Mfg. Co., Inc., Boston, Mass. Sport shirts. 362,954; Dec. 6; Serial No. 408,489; published Sept. 13, 1938. Class 39.

American Brake Shoe and Foundry Company, The, New York, N. Y. Gridirons for outdoor use. 362,906; Dec. 6; Serial No. 407,352; published Sept. 27, 1938. Class 34.

American Cast Iron Pipe Company, Birmingham, Ala. Cast iron pipe. 362,909; Dec. 6; Serial No. 407,456; published Sept. 27, 1938. Class 13.

Anemostat Corporation of America, New York, N. Y. Ventilators, air diffusers, and air aspirators. 362,948; Dec. 6; Serial No. 408,446; published Sept. 27, 1938. Class 34.

Anne Underwear Co. Inc., New York, N. Y. Ladies' pajamas. 362,946; Dec. 6; Serial No. 408,412; published Sept. 27, 1938. Class 39.

Arnold, Schwinn & Co., Chicago, Ill. Bicycles. 363,029; Dec. 6. Class 19.

Artility Metal Products Inc., Elkhart, Ind. Chairs. 362,887; Dec. 6; Serial No. 404,560; published Sept. 27, 1938. Class 32.

Artloom Corporation, Philadelphia, Pa. Carpets and rugs. 363,001; Dec. 6; Serial No. 409,254; published Sept. 20, 1938. Class 42.

Avery Farm Machinery Company, Peoria, Ill. Tractors. 362,882; Dec. 6; Serial No. 403,238; published Sept. 27, 1938. Class 23.

Ayer, Harriet Hubbard, New York, N. Y. Pharmaceutical preparations. 123,885–6; renewed Dec. 17, 1938.

Babbitt, B. T., Inc. (See Mendleson Corporation, The.)

Bagatelle. (See Sinagnan, Frances, et Cie. Inc.)

Baker, Ethelbert L., Los Angeles, Calif. Commercial safety paper. 362,892; Dec. 6; Serial No. 405,379; published Sept. 27, 1938. Class 37.

Bane, Fred, Pulaski, Va. Cigarettes. 362,970; Dec. 6; Serial No. 408,871; published Sept. 27, 1938. Class 17.

Banner Paint & Varnish Corp., Brooklyn, N. Y. Ready-mixed paints and varnishes. 362,907; Dec. 6; Serial No. 407,354; published Sept. 27, 1938. Class 16.

Barker Bros., Corporation, Los Angeles, Calif. Drapery and curtain fabrics in the piece, made-up curtains, draperies, and hangings, etc. 363,004; Dec. 6; Serial No. 409,339; published Sept. 27, 1938. Class 42.

Barnes, Frederick J. T., London, England. Beverages and syrups and extracts for making same. 362,893; Dec. 6; Serial No. 406,437; published Sept. 27, 1938. Class 45.

Beacon Manufacturing Company, Swannanoa, N. C. Blankets of cotton. 363,007; Dec. 6; Serial No. 409,381; published Sept. 27, 1938. Class 42.

Bear, G. C., doing business as G. C. Bear and Co., Detroit, Mich. Pure food preparation. 362,905; Dec. 6; Serial No. 407,297; published Sept. 27, 1938. Class 46.

Beich, Paul F., Company, Bloomington and Chicago, Ill. Candy. 362,930; Dec. 6; Serial No. 407,935; published Sept. 27, 1938. Class 46.

Bell Company, Inc., The, doing business as Flare Laboratories, Chicago, Ill. Cement, tape, and tire tread cut filler. 362,934; Dec. 6; Serial No. 408,087; published Sept. 27, 1938. Class 5.

Berkshire Knitting Mills, Wyomissing, Pa. Hosiery. 362,963; Dec. 6; Serial No. 408,687; published Sept. 27, 1938. Class 39.

Berry, Dodge Co. (See Clark & MacKusick Company.)

Best Undergarment Company, St. Louis, Mo. Wearing apparel. 362,959; Dec. 6; Serial No. 408,594; published Sept. 27, 1938. Class 39.

Bireley's, Inc., doing business as Pam-Pam, Hollywood, assignor to D. H. Peery, Hollywood, Los Angeles, Calif. Fruit juice beverages, and syrups, extracts, and concentrates for same. 362,866; Dec. 6; Serial No. 387,978; published Sept. 27, 1938. Class 45.

Blount Plow Works, Evansville, Ind. Farm implements. 125,190; renewed Apr. 22, 1939.

Bouchard Aîné & Fils, Beaune, France. Wine. 362,912; Dec. 6; Serial No. 407,520; published Sept. 27, 1938. Class 47.

Bouchard Aîné & Fils, Beaune, France. Wines. 362,913; Dec. 6; Serial No. 407,521; published Sept. 27, 1938. Class 47.

Bouchard Aîné & Fils, Beaune, France. Wines. 362,914; Dec. 6; Serial No. 407,528; published Sept. 27, 1938. Class 47.

Bowman, Abram S., doing business as A. Smith Bowman Distillery, Sunset Hills, Va. Whiskey. 362,915; Dec. 6; Serial No. 407,582; published Sept. 27, 1938. Class 49.

Brandt, Louis W., Binghamton, N. Y. Beverages, and sirups and extracts for making the same. 363,027; Dec. 6. Class 45.

Brod, Louis, doing business as L. Brod & Co., Philadelphia, Pa. Ladies' and children's blouses. 362,883; Dec. 6; Serial No. 403,442; published Sept. 13, 1938. Class 39.

Brown Durrell Co., Boston, Mass., and New York, N. Y. Hosiery. 362,924; Dec. 6; Serial No. 407,792; published Sept. 20, 1938. Class 39.

Bryant, Augustus H., New York, N. Y., to International Safety Razor Corporation, Bloomfield, N. J. Safety-razors. 123,975; renewed Dec. 31, 1938.

Bunting Brass & Bronze Company, The, Toledo, Ohio. Bronze bushings. 125,194; renewed Apr. 22, 1939.

California Packing Corporation, San Francisco, Calif. Baking-powder and salt. 124,081; renewed Jan. 14, 1939.

California Packing Corporation, San Francisco, Calif. Potato-flour. 124,819; renewed Mar. 18, 1939.

California Packing Corporation, San Francisco, Calif. Motion-picture films. 124,955; renewed Apr. 1, 1939.

Callaway Mills, LaGrange, Ga. Yarn. 363,030; Dec. 6. Class 43.

Cardais Cloak Co., St. Louis, Mo. Ladies' coats. 362,980; Dec. 6; Serial No. 408,987; published Sept. 27, 1938. Class 39.

Carey, Philip, Manufacturing Company, The, Lockland, Ohio. Damp-proofing material. 123,751; renewed Dec. 3, 1938.

Carter, H. W., & Sons, Lebanon, N. H. Sports wear and utility outerwear. 362,910; Dec. 6; Serial No. 407,459; published Sept. 27, 1938. Class 39.

Celanese Corporation of America, New York, N. Y. Hosiery. 362,991; Dec. 6; Serial No. 409,081; published Sept. 27, 1938. Class 39.

Centerbar Company, Natick, Mass. Game. 362,977; Dec. 6; Serial No. 408,941; published Sept. 27, 1938. Class 22.

Central Knitwear Mills, Inc., New York, N. Y. Sweaters, and sweater ensemble. 362,973; Dec. 6; Serial No. 408,913; published Sept. 27, 1938. Class 39.

Chapin-Sacks Manufacturing Company, to Southern Dairies, Inc., Washington, D. C., successor. Ice-cream. 125,126; renewed Apr. 15, 1939.

Chemische Fabrik R. Baumheier, Aktiengeselischaft, Oschatz-Zschollau, Germany, now by change of name Chemische Fabrik R. Baumheier Kommanditgesellschaft. Surface-protecting paints and ingredients. 362,865; Dec. 6; Serial No. 387,031; published Sept. 27, 1938. Class 16.

Clark & MacKusick Company, to Berry, Dodge Co., Boston, Mass., successor. Coffee. 123,205; renewed Oct. 22, 1938.

Cohen, Goldman & Co. Inc., New York, N. Y. Trousers and pants. 362,873; Dec. 6; Serial No. 397,926; published Sept. 20, 1938. Class 39.

Cohen, Louis, New York, N. Y. Woolen fabrics. 362,949; Dec. 6; Serial No. 408,456; published Sept. 20, 1938. Class 42.

Cohn-Hall-Marx Co., New York, N. Y. Piece goods. 362,995; Dec. 6; Serial No. 409,157; published Sept. 20, 1938. Class 42.

Columbus Iron Works Company, doing business as Columbus Iron Works Company, Southern Plow Company Department, Columbus, Ga. Fertilizer distributors. 362,981; Dec. 6; Serial No. 408,991; published Sept. 27, 1938. Class 23.

Conaway, Charles W., New York, N. Y. Woolen and cotton fabrics. 362,996; Dec. 6; Serial No. 409,159; published Sept. 20, 1938. Class 42.

Cosmic-Ray Enterprises. (See Parfet, Ray T.)

Desert Citrus Products Association, Tempe, Ariz. Canned citrus juices. 362,899; Dec. 6; Serial No. 407,089; published Sept. 27, 1938. Class 46.

Diamond Expansion Bolt Co., New York, N. Y., assignor to Diamond Expansion Bolt Company, Inc., Garwood, N. J. Expansion-shields for machine-bolts, machine-screws, etc. 124,297; renewed Feb. 4, 1939.

Diamond Expansion Bolt Co., New York, N. Y., assignor to Diamond Expansion Bolt Company, Inc., Garwood, N. J. Drills, drill-handles, drill-points, etc. 124,693; renewed Mar. 11, 1939.

Diamond Expansion Bolt Co., New York, N. Y., assignor to Diamond Expansion Bolt Company, Inc., Garwood, N. J. Expansion-bolts, expansion-shields, and screw anchors. 124,961; renewed Apr. 1, 1939.

Diamond Expansion Bolt Co., New York, N. Y., assignor to Diamond Expansion Bolt Company, Inc., Garwood, N. J. Expansion-bolts, expansion-shields, and screw-anchors. 125,206; renewed Apr. 22, 1939.

Distillers Distributing Corporation, Minneapolis, Minn. Whiskey. 363,018–19; Dec. 6; Serial Nos. 409,604–5; published Sept. 27, 1938. Class 49.

Dow Chemical Company, The, Midland, Mich. Polymerized styrene. 362,877–8; Dec. 6; Serial Nos. 401,692–3; published Sept. 27, 1938. Class 1.

Du Pont, E. I., de Nemours and Company. (See Ordinator Company, Inc., assignor.)

Economy Printers Products Company, Chicago, Ill. Letter heads, envelopes and wrapping paper. 362,925; Dec. 6; Serial No. 407,800; published Sept. 27, 1938. Class 37.

Edwards-Freeman, Inc. (See Mullikin, Wm. T., Co., Inc., assignor.)

Edwards, Lee, Corporation, New York, N. Y. Cotton yarns. 362,911; Dec. 6; Serial No. 407,493; published Sept. 13, 1938. Class 43.

Eichmann & Hecht, New York, N. Y. Textile fabrics. 362,931; Dec. 6; Serial No. 408,012; published Sept. 27, 1938. Class 42.

Elray Sales, St. Louis, Mo. Beverages and syrups and extracts for making same. 362,896; Dec. 6; Serial No. 406,799; published Sept. 27, 1938. Class 45.

Embossing Company, The, Albany, N. Y. Table game of chance. 362,920–1; Dec. 6; Serial Nos. 407,727–8; published Sept. 27, 1938. Class 22.

Emporium World Millinery Co., Chicago, Ill. Sponge rubber cleaner for clothing. 362,944; Dec. 6; Serial No. 408,377; published Sept. 27, 1938. Class 4.

Fairbury Windmill Company, Fairbury, Nebr. Windmills and pump jacks. 362,935; Dec. 6; Serial No. 408,093; published Sept. 27, 1938. Class 23.

Fisher, Glenn, Bowling Green, Ky. Permanent wave pads. 362,928; Dec. 6; Serial No. 407,863; published Sept. 27, 1938. Class 44.

Fishermen's Tuna Packing Company, San Diego, Calif. Canned fish. 362,950–1; Dec. 6; Serial Nos. 408,459–60; published Sept. 27, 1938. Class 46.

Flare Laboratories. (See Bell Company, Inc., The.)

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 363,009–10; Dec. 6; Serial Nos. 409,425–6; published Sept. 27, 1938. Class 42.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 363,015–16; Dec. 6; Serial Nos. 409,515–16; published Sept. 27, 1938. Class 42.

Frankiv Silk Corp., New York, N. Y. Textile fabric. 363,002; Dec. 6; Serial No. 409,266; published Sept. 27, 1938. Class 42.

Fruit of the Loom, Inc., Providence, R. I. Sheets, pillowcases, and cotton piece goods. 363,008; Dec. 6; Serial No. 409,396; published Sept. 27, 1938. Class 42.

Fur Mart of America, Inc., The, New York, N. Y. Dyed coney coats, capes, and jackets. 362,868; Dec. 6; Serial No. 393,031; published Nov. 16, 1937. Class 39.

Ganis Brothers, New York, N. Y. Bathrobes, night shirts, gowns, etc. 362,937; Dec. 6; Serial No. 408,239; published Sept. 20, 1938. Class 39.

Garrard Engineering & Manufacturing Co., Ltd., Swindon, England. Electric motors, motor driven units for gramophones, record changers in gramophones, for electrically operable automatic record changers, and gramophone pick-ups. 362,876; Dec. 6; Serial No. 400,098; published Sept. 27, 1938. Class 21.

Geffelator Corporation, New York, N. Y. Gummed paper mending tape. 362,888; Dec. 6; Serial No. 404,604; published Sept. 27, 1938. Class 37.

General Fireproofing Co., The, Youngstown, Ohio. Visible index filing equipment. 363,017 Dec. 6; Serial No. 409,517; published Sept. 27, 1938. Class 32.

General Motors Corporation, Detroit, Mich. Fog lamps. 362,993; Dec. 6; Serial No. 409,123; published Sept. 27, 1938. Class 21.

Gibson Art Company, The, Cincinnati, Ohio. Display cabinets and trays. 362,870; Dec. 6; Serial No. 395,035; published Sept. 27, 1938. Class 32.

Glasgo Limited, Philadelphia, Pa. Sweaters. 362,927; Dec. 6; Serial No. 407,859; published Sept. 13, 1938. Class 39.

Goldsmith Bros., New York, N. Y. Cigars. 362,985; Dec. 6; Serial No. 409,033; published Sept. 27, 1938. Class 17.

Gooderham & Worts Limited, Detroit, Mich. Whiskey. 363,032; Dec. 6. Class 49.

Gordon & Ferguson Company, St. Paul, Minn. Leather jackets, coats, vests, etc. 362,901; Dec. 6; Serial No. 407,220; published Sept. 20, 1938. Class 39.

Greenholtz, Ben, New York, N. Y. Pile fabrics. 362,952; Dec. 6; Serial No. 408,461; published Sept. 20, 1938. Class 42.

Grover's, J. J., Sons, assignor, by mesne assignments, to J. J. Grover Shoe Company, Lynn, Mass. Women's and misses' boots and shoes. 123,227; renewed Oct. 22, 1938.

Gruber, Edw. H., doing business as Gruber Bottling Works, Philadelphia, Pa. Beverages, and syrups and extracts for making the same. 362,879; Dec. 6; Serial No. 401,897; published Sept. 20, 1938. Class 45.

Henegar Bros., doing business as Tennessee Valley Dairies, Pulaski, Tenn. Butter. 362,960; Dec. 6; Serial No. 408,641; published Sept. 27, 1938. Class 46.

Herald Knitwear Company, Inc., New York, N. Y. Knitted sweaters, suits, and skirts for ladies. 362,885; Dec. 6; Serial No. 404,045; published Sept. 27, 1938. Class 39.

Hercules Powder Company, Wilmington, Del. Dried whey, dried skim milk, dried buttermilk used as feed for livestock and poultry. 362,961; Dec. 6; Serial No. 408,642; published Sept. 27, 1938. Class 46.

Hercules Powder Company, Wilmington, Del. Dried whey, skim milk, buttermilk used as feed for livestock and poultry. 362,962; Dec. 6; Serial No. 408,644; published Sept. 27, 1938. Class 46.

Hollis Company. (See Lewin, Aaron W.)

Holophane Company, Inc., New York, N. Y. Globes and reflectors. 362,872; Dec. 6; Serial No. 395,528; published Sept. 27, 1938. Class 34.

Hood River Distillers, Inc., Hood River, Oreg. Apple wine. 363,025; Dec. 6. Class 47.

Horst, Mrs. F., & Co., Independence, Wis., to A. F. Horst, Tacoma, Wash., successor. Medicine. 15,972; re-renewed Oct. 30, 1938.

Humko Co., The, Memphis, Tenn. Shortening. 363,028; Dec. 6. Class 46.

Humphreys Manufacturing Co., The, Mansfield, Ohio. Apron recess and corner bath tubs and seat bath tubs. 362,992; Dec. 6; Serial No. 409,096; published Sept. 27, 1938. Class 13.

Hygeia Respirator Co., The, Passaic, N. J., to The Hygeia Respirator Co., New York, N. Y. Masks and respirators. 124,970; renewed Apr. 1, 1939.

I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Synthetic rubber and rubber-like materials. 362,986; Dec. 6; Serial No. 409,037; published Sept. 27, 1938. Class 1.

Imperial Brass Manufacturing Company, The, Chicago, Ill. Couplings for metallic tubes. 362,884; Dec. 6; Serial No. 403,770; published Sept. 27, 1938. Class 13.

International Handkerchief Mfg. Co., The, New York, N. Y. Handkerchiefs. 363,003; Dec. 6; Serial No. 409,315; published Sept. 13, 1938. Class 39.

International Safety Razor Corporation. (See Bryant, Augustus H.)

Interwoven Stocking Company, New Brunswick, N. J. Hosiery. 362,922; Dec. 6; Serial No. 407,732; published Sept. 27, 1938. Class 39.

Irwill Knitwear Corp., New York, N. Y. Knitted sweaters. 362,929; Dec. 6; Serial No. 407,905; published Sept. 13, 1938. Class 39.

James, Otis D., assignor to United States Chemical Co. Inc., Oklahoma City, Okla. Cream for restoring and treating leather bookbindings. 362,904; Dec. 6; Serial No. 407,269; published Sept. 27, 1938. Class 4.

Kansas City Wholesale Grocery Co., Kansas City, Mo. Rice. 124,547; renewed Feb. 25, 1939.

Karavidas, Dionysios, doing business as New Gold Bottling Company, Baltimore, Md. Beverages. 362,976; Dec. 6; Serial No. 408,940; published Sept. 27, 1938. Class 45.

Katzinger, Edward, Company, The, Chicago, Ill. Base metal bake pans. 363,021; Dec. 6.

Keller-Kohn Co., The, Cleveland, Ohio. Ladies' and misses' coats and suits. 362,967; Dec. 6; Serial No. 408,844; published Sept. 27, 1938. Class 39.

Kendrick, Willis Jason, Inc., assignor to W. J. Kendrick, Saratoga Springs, N. Y. Corks. 125,113; renewed Apr. 8, 1939.

Keyser, Merriel D., Edgewood, Md. Artificial fishing lures and hooks. 362,997; Dec. 6; Serial No. 409,199; published Sept. 27, 1938. Class 22.

Keystone Lubricating Company, Philadelphia, Pa. Tell-tale or indicating lubrication fittings. 362,978; Dec. 6; Serial No. 408,953; published Sept. 27, 1938. Class 23.

Korn, Fred, Chicago, Ill. Beverages and sirups and extracts for making same, and for mineral waters. 363,011; Dec. 6; Serial No. 409,428; published Sept. 27, 1938. Class 45.

Krom Laboratories, Inc., Kingston, N. Y. Liquid floor wax, liquid linoleum wax, quick drying liquid furniture polish. 363,013; Dec. 6; Serial No. 409,474; published Sept. 27, 1938. Class 16.

Landsman, Katz & Monk, New York, N. Y. Children's dresses. 362,968; Dec. 6; Serial No. 408,847; published Sept. 27, 1938. Class 39.

Lesser, A., & Co., New York, N. Y. Hats and caps. 125,067; renewed Apr. 8, 1939.

Levinsohn, Frank, & Bros., Inc., New York, N. Y. Coats and suits. 362,919; Dec. 6; Serial No. 407,706; published Sept. 13, 1938. Class 39.

Lewin, Aaron W., doing business as Hollis Company, Newark, N. J. Instrument for cutting hair from nostrils and ears. 362,889; Dec. 6; Serial No. 404,650; published May 31, 1938. Class 23.

Lowe Brothers Company, The, assignor, by mesne assignments, to The Lowe Brothers Company, Dayton, Ohio. Varnish. 125,234; renewed Apr. 22, 1939.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections. 362,994; Dec. 6; Serial No. 409,132; published Sept. 27, 1938. Class 46.

Lowenstein, M., & Sons, Inc., New York, N. Y. Piece goods and dress goods. 362,987; Dec. 6; Serial No. 409,044; published Sept. 20, 1938. Class 42.

Ludlow Manufacturing & Sales Co., Boston, Mass. Twine. 363,020; Dec. 6; Serial No. 409,690; published Sept. 27, 1938. Class 7.

Lyons, Gordon V., Inc., New York, N. Y. Women's and misses' coats and suits. 362,932; Dec. 6; Serial No. 408,063; published Sept. 20, 1938. Class 39.

Lyons, Gordon V., Inc., New York, N. Y. Women's and misses' coats and suits. 362,933; Dec. 6; Serial No. 408,026; published Sept. 20, 1938. Class 39.

MacClatchie Manufacturing Company of California, Compton, Calif. Valves for pumps. 362,875; Dec. 6; Serial No. 399,416; published Sept. 27, 1938. Class 23.

Magee Carpet Company, The, Bloomsburg, Pa. Carpets and rugs. 362,940; Dec. 6; Serial No. 408,320; published Sept. 27, 1938. Class 42.

Mallas, Louis J., New York, N. Y. Women's and misses' wearing apparel. 363,022; Dec. 6. Class 39.

Mallinckrodt, L. K., Baltimore, Md. Toilet tissue. 362,871; Dec. 6; Serial No. 395,042; published Oct. 19, 1937. Class 37.

Marguiis & Company, Philadelphia, Pa. Brandy. 362,908; Dec. 6; Serial No. 407,381; published Sept. 27, 1938. Class 49.

Marshall Field & Company, Chicago, Ill. Infants' knitted underwear and vests. 123,620; renewed Nov. 19, 1938.

McDonagh, Wm., & Sons, New York, N. Y. Linseed-oil, turpentine, paints, and varnishes. 125,236; renewed Apr. 22, 1939.

McLaurin Hosiery Mills, Asheboro, N. C. Men's hosiery. 362,964; Dec. 6; Serial No. 408,724; published Sept. 27, 1938. Class 39.

McNaney, Edward T., Baltimore, Md. Fresh oysters. 362,974; Dec. 6; Serial No. 408,928; published Sept. 27, 1938. Class 46.

Mendleson Corporation, The, New York and Albany, assignor to B. T. Babbitt, Inc., Albany, N. Y. Caustic soda. 123,944; renewed Dec. 24, 1938.

Merrill Company, The, San Francisco, Calif. Cyanide precipitation apparatus. 362,918; Dec. 6; Serial No. 407,678; published Sept. 27, 1938. Class 31.

Mound City Brewing Co., New Athens, Ill. Beer. 362,881; Dec. 6; Serial No. 402,784; published Sept. 27, 1938. Class 48.

Mullikin, Wm. T., Co., Inc., assignor to Edwards-Freeman, Inc., Philadelphia, Pa. Peanut-butter. 124,980; re-renewed Apr. 1, 1939.

National Association of Food Chains, Inc., Washington, D. C. Potatoes. 362,957; Dec. 6; Serial No. 408,544; published Sept. 27, 1938. Class 46.

National Fabrics Corporation, New York, N. Y. Textile fabrics. 362,874; Dec. 6; Serial No. 399,006; published Sept. 27, 1938. Class 42.

National Laboratories. (See Van Nest, Lisle C.)

National Silk Hosiery Mills, Inc., Indianapolis, Ind. Hosiery. 362,988; Dec. 6; Serial No. 409,052; published Sept. 27, 1938. Class 39.

Nebraska Seed Co., The, Omaha, Nebr. Seeds. 124,132; renewed Jan. 14, 1939.

New Gold Bottling Company. (See Karavidas, Dionysios.)

Nicholas & Co., Inc., Importers, New York, N. Y. Rye whiskey. 363,031; Dec. 6. Class 49.

Nicholson, H. R., Company, Baltimore, Md. Beverage, a cola drink. 362,894; Dec. 6; Serial No. 406,691; published Sept. 20, 1938. Class 45.

Nier, Hermann, Beierfeld, Germany. Storm lanterns and constituent parts and accessories. 362,891; Dec. 6; Serial No. 404,950; published Sept. 27. Class 34.

Nolde and Horst Company, The, Reading, Pa. Hosiery. 362,938; Dec. 6; Serial No. 408,284; published Sept. 27, 1938. Class 39.

Ordinator Company, Inc., New York, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Window-shade cloth. 124,137; renewed Jan. 14, 1939.

Ornstein, Levy & Israelson, New York, N. Y. Ladies' coats. 362,945; Dec. 6; Serial No. 408,396; published Sept. 13, 1938. Class 39.

Pacific Knitting Mills, Inc., Los Angeles, Calif. Knit and fabricated swim suits. 362,955; Dec. 6; Serial No. 408,505; published Sept. 27, 1938. Class 39.

Pam-Pam. (See Bireley's, Inc.)

Papazian, Garabed S., doing business as Papazian Coffee Co., West New Brighton, N. Y. Sirup. 362,998; Dec. 6; Serial No. 409,205; published Sept. 20, 1938. Class 45.

Parfet, Ray T., doing business as Cosmic-Ray Enterprises, Kalamazoo, Mich. Food beverage. 362,902; Dec. 6; Serial No. 407,241; published Sept. 27, 1938. Class 46.

Paris Manufacturing Co., Inc., Paris, Ill. Metal pipes and conduits. 362,971; Dec. 6; Serial No. 408,895; published Sept. 27, 1938. Class 13.

Peerless Tailoring Company, Baltimore, Md. Suits, overcoats, and topcoats. 362,956; Dec. 6; Serial No. 408,507; published Sept. 27, 1938. Class 39.

Peery, David H. (See Bireley's, Inc., assignor.)

Phelan-Faust Paint Mfg. Co., St. Louis, Mo. Ready-mixed paints. 362,984; Dec. 6; Serial No. 409,020; published Sept. 27, 1938. Class 16.

Pincus Bros., Inc., Philadelphia, Pa. Suits, coats, vests, pants, etc. 362,939; Dec. 6; Serial No. 408,298; published Sept. 13, 1938. Class 39.

Polan, Katz and Company, Baltimore, Md. Umbrellas. 362,936; Dec. 6; Serial No. 408,206; published Sept. 6, 1938. Class 41.

Pressed Steel Company, The, Wilkes-Barre, Pa. Hardware articles. 362,862; Dec. 6; Serial No. 373,539; published Sept. 27, 1938. Class 13.

Prim Corporation, St. Louis, Mo. Cleaning preparation. 362,989; Dec. 6; Serial No. 409,058; published Sept. 27, 1938. Class 4.

Producers Peanut Company, Inc., Suffolk, Va. Peanut butter. 362,947; Dec. 6; Serial No. 408,435; published Sept. 27, 1938. Class 46.

Pro-phy-lac-tic Company, Northampton, Mass. Tooth brushes. 362,975; Dec. 6; Serial No. 408,931; published Sept. 27, 1938. Class 29.

Rapid Electrotype Co., The, Cincinnati, Ohio. Matrix or flong for stereotyping. 362,916–17; Dec. 6; Serial Nos. 407,603–4; published Sept. 27, 1938. Class 50.

Reid, Charles F., Chicago, Ill. Paraphernalia including animal figures used in game simulating golf. 362,903; Dec. 6; Serial No. 407,248; published Sept. 27, 1938. Class 22.

Rice-Stix Dry Goods Company, St. Louis, Mo. Umbrellas. 362,999; Dec. 6; Serial No. 409,210; published Sept. 27, 1938. Class 41.

Robertson, H. H., Company, Pittsburgh, Pa. Metal pipes, conduits, and culverts. 362,869; Dec. 6; Serial No. 394,194; published Sept. 27, 1938. Class 13.

Rock Hill Woolens, Inc., New York, N. Y. Textile fabrics. 363,000; Dec. 6; Serial No. 409,211; published Sept. 20, 1938. Class 42.

Russakov, Jacob I., doing business as The Russakov Company, Chicago, Ill. Ash stands. 362,972; Dec. 6; Serial No. 408,900; published Sept. 27, 1938. Class 8.

St. Regis Paper Company, New York, N. Y. Paper. 362,898; Dec. 6; Serial No. 407,039; published Sept. 27, 1938. Class 37.

Salterini, Nan B., doing business as John B. Salterini Company, New York, N. Y. Metal tables, chairs, and other sitting pieces. 363,026; Dec. 6. Class 32.

Sam's Cut Rate, Inc., Detroit, Mich. Men's undershirts, pajamas, underwear, and shirts. 362,890; Dec. 6; Serial No. 404,907; published Sept. 27, 1938. Class 39.

Sandess Manufacturing Company, Philadelphia, Pa. Cloth piece goods. 362,926; Dec. 6; Serial No. 407,822; published Sept. 27, 1938. Class 42.

Sanol Chemical Company, St. Louis, Mo. Medicines and pharmaceutical preparations. 123,954; renewed Dec. 24, 1938.

Schuler, John A., doing business as Simplex Nut Machine Company, East St. Louis, Ill. Apparatus for processing edible nuts. 362,982; Dec. 6; Serial No. 409,010; published Sept. 27, 1938. Class 23.

Sealy Mattress Co., Sugar Land, Tex., assignor, by mesne assignments, to Sealy, Incorporated, North Side, Pittsburgh, Pa. Mattresses. 123,488; renewed Nov. 12, 1938.
Sears, Roebuck and Co., Chicago, Ill. Sheets, pillowcases, pillow tubings, etc. 362,990; Dec. 6; Serial No. 409,061; published Sept. 20, 1938. Class 42.
Seidenbach's, Inc., Tulsa, Okla. Hosiery and women's underwear. 362,867; Dec. 6; Serial No. 392,894; published Sept. 20, 1938. Class 39.
Selmer, H. & A., Incorporated, Elkhart, Ind. Specially constructed music stand electric light. 362,897; Dec. 6; Serial No. 406,989; published Sept. 27, 1938. Class 21.
Shane, C. B., Corporation, Chicago, Ill. Men's overcoats and top coats. 362,965; Dec. 6; Serial No. 408,731; published Sept. 27, 1938. Class 39.
Sight Light Corporation, The, New York, N. Y. Instruments for measuring and recording light intensities, color values, and current consumption. 362,861; Dec. 6; Serial No. 365,357; published Sept. 27, 1938. Class 26.
Silverberg & Trattner, New York, N. Y. Ice boxes and chests, milk coolers, and refrigerators. 362,941; Dec. 6; Serial No. 408,328; published Sept. 27, 1938. Class 31.
Simplex Nut Machine Company. (See Schuler, John A.)
Sinagnan, Frances, et Cie. Inc., doing business as Bagatelle, New York, N. Y. Candies. 362,969; Dec. 6; Serial No. 408,863; published Sept. 27, 1938. Class 46.
Smart-Maid Coat Company, Incorporated, New York, N. Y. Coats for women and girls. 362,953; Dec. 6; Serial No. 408,487; published Sept. 27, 1938. Class 39.
Southern Dairies, Inc. (See Chapin-Sacks Manufacturing Company.)
Stewart, Frances M., doing business as F. M. Stewart, Philadelphia, Pa. Dough handling machinery and bakery machinery. 362,923; Dec. 6; Serial No. 407,771; published Sept. 27, 1938. Class 23.
Stroock, S., & Co. Inc., New York, N. Y. Woven woolen cloth. 363,014; Dec. 6; Serial No. 409,494; published Sept. 27, 1938. Class 42.
Sun-Ripe Cocoanut Products Co., Buenavista, Magdalena, P. I. Desiccated cocoanut. 362,886; Dec. 6; Serial No. 404,330; published Sept. 27, 1938. Class 46.
Tennessee Valley Dairies. (See Henegar Bros.)
Texas Company, The, Houston and Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Gasolene, naphtha, and benzin. 125,258; renewed Apr. 22, 1939.
Titusville Iron Works Company, The, Titusville, Pa. Water heating and steam generating boilers. 362,942; Dec. 6; Serial No. 408,330; published Sept. 27, 1938. Class 34.
Toast-O-Lator Co. Inc., New York, N. Y. Electric toasters. 362,895; Dec. 6; Serial No. 406,739; published Sept. 27, 1938. Class 21.
Ton-Tex Corporation, Grand Rapids, Mich. Belting. 362,966; Dec. 6; Serial No. 408,773; published Sept. 27, 1938. Class 35.
United Auto Supply Company, Inc., Dallas, Tex. Spark plugs for internal combustion engines, electrical storage batteries, cables. 362,864; Dec. 6; Serial No. 381,893; published Sept. 27, 1938. Class 21.
United Razor Blade Corporation, Chicago, Ill. Safety razor blades. 362,863; Dec. 6; Serial No. 374,100; published Mar. 17, 1936. Class 23.
United States Chemical Co. Inc. (See James, Otis D., assignor.)
Van Nest, Lisle C., doing business as National Laboratories, Toledo, Ohio. Preparation for removal of rust and stain from porcelain, etc. 362,979; Dec. 6; Serial No. 408,976; published Sept. 27, 1938. Class 4.
Victor Manufacturing and Gasket Company, Chicago, Ill. Gaskets. 363,012; Dec. 6; Serial No. 409,450; published Sept. 27, 1938. Class 35.
Vogt, F. G., & Sons, Incorporated, Philadelphia, Pa. Canned pigs feet. 362,943; Dec. 6; Serial No. 408,360; published Sept. 27, 1938. Class 46.
Vortexol Company, Saugus, Mass. Waterproofing compounds and leather dressing. 362,958; Dec. 6; Serial No. 408,589; published Sept. 27, 1938. Class 4.
Wagner, Wiltz W., doing business as Chas. P. Wagner and Bro., New Orleans, La. Banana milk powder. 362,983; Dec. 6; Serial No. 409,016; published Sept. 27, 1938. Class 46.
Wanamaker, John, Philadelphia, as assignee of John Wanamaker, assignor to John Wanamaker Philadelphia, Philadelphia, Pa. Perfumes, perfumed waters, and bay-rum, etc. 16,531; re-renewed Apr. 23, 1939.
Waterhouse Woolen Company, Chicago, Ill. Men's suitings. 363,005; Dec. 6; Serial No. 409,376; published Sept. 27, 1938. Class 42.
Western Mattress Company of Oregon, Portland, Oreg. Mattresses. 363,006; Dec. 6; Serial No. 409,378; published Sept. 27, 1938. Class 32.
White, H. N., Company, The, Cleveland, Ohio. Wind instruments. 362,900; Dec. 6; Serial No. 407,168; published Sept. 27, 1938. Class 36.
Wrigley, Wm., Jr., Company, Chicago, Ill. Chewing gum. 362,880; Dec. 6; Serial No. 402,108; published Sept. 27, 1938. Class 46.
Yankee Metal Products Corp., Norwalk, Conn. Vehicle safety reflecting signal lenses. 363,023; Dec. 6. Class 34.

LIST OF REGISTRANTS OF LABELS

Beam, James B., Distilling Co., Incorporated, Clermont, Ky. Jim Beam. For Straight Bourbon Whiskey. 52,183; Dec. 6.
Bustelo Coffee Roasting Co. Inc., New York, N. Y. Cafe' Jai Alai. For Coffee. 52,184; Dec. 6.
Campbell, Russell A., doing business as The Miller Laboratories, Gettysburg, Pa. Ruptured! For Trusses. 52,185; Dec. 6.
Carroll, H. F., Clayton, Mo. Carroll Injurine. For an Antiseptic. 52,186; Dec. 6.
Croce, F. D., & Company, Inc., New York, N. Y. Fancy Celery. For Celery. 52,187; Dec. 6.
Geiger, Louis, Inc., New York, N. Y. Hopscotch Fabrics. For Fabrics. 52,188; Dec. 6.
Guida, Antonio D., Brooklyn, N. Y. Caffee-Della Dolceria Guida. For Coffee. 52,189–90; Dec. 6.
Guidinger, George, Oak Park, Ill. C-O-A, Coat of Arms Brand Polish and Cleaner. For a Polish and Cleaner for Furniture, Woodwork, all Varnished and Painted Surfaces. 52,191; Dec. 6.
Hudson, George L., Chicago, Ill. Silver Crest. For Bread. 52,192; Dec. 6.
Johnson, S. C., & Son, Inc., Racine, Wis. Johnson's '66' Quick Drying Varnish. For a Quick Drying Varnish. 52,193; Dec. 6.
Jones, B. G., doing business as Sal Grada Medicine Company, Oklahoma City, Okla. Sal Grada. For a Tonic Laxative. 52,194; Dec. 6.
Kreider, A. S., Co., Lebanon, Pa. Kreider's Sweethearts. For Shoes. 52,195; Dec. 6.
Miller Laboratories, The. (See Campbell, Russell A.)
Musante-Williams, Inc., Salinas, Calif. Black Jack. For Fresh Lettuce. 52,196; Dec. 6.
Reinhold, Arno, doing business as Reinhold Company, Cleveland, Ohio. Air-Vent Pillow Bag. For Bags for Pillows, Clothing and Other Articles. 52,197; Dec. 6.
Reinhold, Arno, doing business as Reinhold Company, Cleveland, Ohio. Air-Vent Food Container. For Food Container Bags. 52,198; Dec. 6.
Reinhold, Arno, doing business as Reinhold Company, Cleveland, Ohio. Air-Vent Vacuum Coffee Maker Cover. For Covers for Vacuum Coffee Makers. 52,199; Dec. 6.
Reinhold, Arno, doing business as Reinhold Company, Cleveland. Air-Vent Bread Bag. For Bags for Containing Bread and Other Food. 52,200; Dec. 6.
Reinhold, Arno, doing business as Reinhold Company, Cleveland, Ohio. Air-Vent Automatic Electric Toaster Cover. For Covers for Automatic Electric Toasters. 52,201; Dec. 6.
Sal Grada Medicine Company. (See Jones, B. G.)

LIST OF REGISTRANTS OF PRINTS

Campbell, Russell A., doing business as The Miller Laboratories, Gettysburg, Pa. Instructions the Miller Form-Fitting Truss. For Trusses. 17,145; Dec. 6.
Cream of Wheat Corporation, The, Minneapolis, Minn. Licked . . . Unless He Gets the Food Energy He Needs Every Day! For Wheat Breakfast Food. 17,146; Dec. 6.
General Mills, Inc., Minneapolis, Minn. Now . . . Corn in Tempting "Bubbles" . . . Something Entirely New for Breakfast. For Cereal Food. 17,147; Dec. 6.
General Mills, Inc., Minneapolis, Minn. Three Stars of "Men With Wings" Agree. For Biscuit Flour. 17,148; Dec. 6.
Johnson, Milton C., Company, Inc., doing business as Milton C. Johnson Company, New York, N. Y. Buy Burn Boost Anthracite Coal. For Anthracite Coal. 17,149; Dec. 6.
Miller Laboratories, The. (See Campbell, Russell A.)
Parker Pen Company, The, Janesville, Wis. He Runs a $60,000,000 Company With the Pen That Has What It Takes. For Fountain Pens, Mechanical Pencils and Ink. 17,150; Dec. 6.
Pontiac Varnish Company, Pontiac, Mich. Pontiac protective Coatings, Interior Goss for Walls and Woodwork. For Paint. 17,151; Dec. 6.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Rubber and rubber-like materials, Synthetic. I. G. Farbenindustrie Aktiengesellschaft. 362,986; Dec. 6; Serial No. 409,037; published Sept. 27, 1938.
Seeds. Nebraska Seed Co. 124,132; renewed Jan. 14, 1939.
Styrene, Polymerized. Dow Chemical Company. 362,877–8; Dec. 6; Serial Nos. 401,692–3; published Sept. 27, 1938.

CLASS 4

Cleaning preparation. Prim Corporation. 362,989; Dec. 6; Serial No. 409,058; published Sept. 27, 1938.
Cream for restoring and treating leather bookbindings. O. D. James. 362,904; Dec. 6; Serial No. 407,269; published Sept. 27, 1938.
Perfumes, perfumed waters, and bay-rum, etc. John Wanamaker Philadelphia. 16,531; re-renewed Apr. 23, 1939.
Preparation for removal of rust and stain from porcelain, etc. L. C. Van Nest. 362,979; Dec. 6; Serial No. 408,976; published Sept. 27, 1938.
Sponge rubber cleaner for clothing. Emporium World Millinery Co. 362,944; Dec. 6; Serial No. 408,377; published Sept. 27, 1938.
Waterproofing compounds and leather dressing. Vortexol Company. 362,958; Dec. 6; Serial No. 408,589; published Sept. 27, 1938.

CLASS 5

Cement, tape, and tire tread cut filler. Bell Company. 362,934; Dec. 6; Serial No. 408,087; published Sept. 27, 1938.

CLASS 6

Medicine. Mrs. F. Horst & Co. 15,972; re-renewed Oct. 30, 1938.
Medicines and pharmaceutical preparations. Sanol Chemical Company. 123,954; renewed Dec. 24, 1938.
Perfumes, perfumed waters, and bay-rum, etc. John Wanamaker Philadelphia. 16,531; re-renewed Apr. 23, 1939.
Pharmaceutical preparations. Harriet Hubbard Ayer. 123,885–6; renewed Dec. 17, 1938.
Soda, Caustic. Mendleson Corporation. 123,944; renewed Dec. 24, 1938.

CLASS 7

Twine. Ludlow Manufacturing & Sales Co. 363,020; Dec. 6; Serial No. 409,690; published Sept. 27, 1938.

CLASS 8

Ash stands. J. I. Russakov. 362,972; Dec. 6; Serial No. 408,900; published Sept. 27, 1938.

CLASS 12

Damp-proofing material. Philip Carey Manufacturing Company. 123,751; renewed Dec. 3, 1938.

CLASS 13

Bath tubs and seat bath tubs, Apron recess and corner. Humphryes Manufacturing Co. 362,992; Dec. 6; Serial No. 409,096; published Sept. 27, 1938.
Couplings for metallic tubes. Imperial Brass Manufacturing Company. 362,884; Dec. 6; Serial No. 403,770; published Sept. 27, 1938.
Expansion-bolts, expansion-shields, and screw anchors. Diamond Expansion Bolt Co. 124,961; renewed Apr. 1, 1939.
Expansion-bolts, expansion-shields, and screw-anchors. Diamond Expansion Bolt Co. 125,206; renewed Apr. 22, 1939.
Expansion-shields for machine-bolts, machine-screws, etc. Diamond Expansion Bolt Co. 124,297; renewed Feb. 4, 1939.
Hardware articles. Pressed Steel Company. 362,862; Dec. 6; Serial No. 373,539; published Sept. 27, 1938.
Pans, Base metal bake. Edward Katzinger Company. 363,021; Dec. 6.
Pipe, Cast iron. American Cast Iron Pipe Company. 362,909; Dec. 6; Serial No. 407,456; published Sept. 27, 1938.
Pipes and conduits, Metal. Paris Manufacturing Co. 362,971; Dec. 6; Serial No. 408,895; published Sept. 27, 1938.
Pipes, conduits, and culverts, Metal. H. H. Robertson Company. 362,869; Dec. 6; Serial No. 394,194; published Sept. 27, 1938.

CLASS 15

Gasolene, naphtha, and benzin. Texas Company. 125,258; renewed Apr. 22, 1939.

CLASS 16

Linseed-oil, turpentine, paints, and varnishes. Wm. McDonagh & Sons. 125,236; renewed Apr. 22, 1939.
Paints and ingredients, Surface-protecting. Chemische Fabrik R. Baumheier, Aktiengesellschaft. 362,865; Dec. 6; Serial No. 387,031; published Sept. 27, 1938.
Paints and varnishes, Ready-mixed. Banner Paint & Varnish Corp. 362,907; Dec. 6; Serial No. 407,354; published Sept. 27, 1938.
Paints, Ready-mixed. Phelan-Faust Paint Mfg. Co. 362,984; Dec. 6; Serial No. 409,020; published Sept. 27, 1938.
Varnish. Lowe Brothers Company. 125,234; renewed Apr. 22, 1939.
Wax, Liquid linoleum wax, quick drying liquid furniture polish, Liquid floor. Krom Laboratories, Inc. 363,013; Dec. 6; Serial No. 409,474; published Sept. 27, 1938.

CLASS 17

Cigars. Goldsmith Bros. 362,985; Dec. 6; Serial No. 409,033; published Sept. 27, 1938.
Cigarettes. F. Bane. 362,970; Dec. 6; Serial No. 408,871; published Sept. 27, 1938.

CLASS 19

Bicycles. Arnold, Schwinn & Co. 363,029; Dec. 6.

CLASS 21

Electric light, Music stand. H. & A. Selmer, Incorporated. 362,897; Dec. 6; Serial No. 406,989; published Sept. 27, 1938.
Electric motors, motor driven units for gramophones, record changers in gramophones, for electrically operable automatic record changers, and gramophone pick-ups. Garrard Engineering & Manufacturing Co., Ltd. 362,876; Dec. 6; Serial No. 400,098; published Sept. 27, 1938.
Lamps, Fog. General Motors Corporation. 362,993; Dec. 6; Serial No. 409,123; published Sept. 27, 1938.
Spark plugs for internal combustion engines, electrical storage batteries, cables. United Auto Supply Company. 362,864; Dec. 6; Serial No. 381,893; published Sept. 27, 1938.
Toasters, Electric. Toast-O-Later Co. Inc. 362,895; Dec. 6; Serial No. 406,739; published Sept. 27, 1938.

CLASS 22

Fishing lures and hooks, Artificial. M. D. Keyser. 362,997; Dec. 6; Serial No. 409,199; published Sept. 27, 1938.
Game. Centerbar Company. 362,977; Dec. 6; Serial No. 408,941; published Sept. 27, 1938.
Game of chance, Table. Embossing Company. 362,920–1; Dec. 6; Serial Nos. 407,727–8; published Sept. 27, 1938.
Paraphernalia used in game simulating golf. C. F. Reid. 362,903; Dec. 6; Serial No. 407,248; published Sept. 27, 1938.

CLASS 23

Apparatus for processing edible nuts. J. A. Schuler. 362,982; Dec. 6; Serial No. 409,010; published Sept. 27, 1938.
Bushings, Bronze. Bunting Brass & Bronze Company. 125,194; renewed Apr. 12, 1939.
Dough handling machinery and bakery machinery. F. M. Stewart. 362,923; Dec. 6; Serial No. 407,771; published Sept. 27, 1938.
Drills, drill-handles, drill-points, etc. Diamond Expansion Bolt Co. 124,693; renewed Mar. 11, 1939.
Farm implements. Blount Plow Works. 125,190; renewed Apr. 22, 1939.
Fertilizer distributors. Columbus Iron Works Company. 362,981; Dec. 6; Serial No. 408,991; published Sept. 27, 1938.
Fittings, Telltale or indicating lubrication. Keystone Lubricating Company. 362,978; Dec. 6; Serial No. 408,953; published Sept. 27, 1938.
Instrument for cutting hair from nostrils and ears. A. W. Lewin. 362,889; Dec. 6; Serial No. 404,650; published May 31, 1938.
Razor blades, Safety. United Razor Blade Corporation. 362,863; Dec. 6; Serial No. 374,100; published Mar. 17, 1936.
Razors, Safety. A. H. Bryant. 123,975; renewed Dec. 31, 1938.
Tractors. Avery Farm Machinery Company. 362,882; Dec. 6; Serial No. 403,238; published Sept. 27, 1938.
Valves for pumps. MacClatchie Manufacturing Company of California. 362,875; Dec. 6; Serial No. 399,416; published Sept. 27, 1938.
Windmills and pump jacks. Fairbury Windmill Company. 362,935; Dec. 6; Serial No. 408,093; published Sept. 27, 1938.

CLASS 26

Films, Motion-picture. California Packing Corporation. 124,955; renewed Apr. 1, 1939.
Instruments for measuring and recording light intensities, color values, and current consumption. Sight Light Corporation. 362,861; Dec. 6; Serial No. 365,357; published Sept. 27, 1938.

CLASS 29

Tooth brushes. Pro-phy-lac-tic Company. 362,975; Dec. 6; Serial No. 408,931; published Sept. 27, 1938.

CLASS 31

Cyanide precipitation apparatus. Merrill Company. 362,918; Dec. 6; Serial No. 407,678; published Sept. 27, 1938.

Ice boxes and chests, milk coolers and refrigerators. Silverberg & Trattner. 362,941; Dec. 6; Serial No. 408,328; published Sept. 27, 1938.

CLASS 32

Cabinets and trays, Display. Gibson Art Company. 362,870; Dec. 6; Serial No. 395,035; published Sept. 27, 1938.

Chairs. Artility Metal Products Inc. 362,887; Dec. 6; Serial No. 404,560; published Sept. 27, 1938.

Covers, Furniture slip. Al-Lon Manufacturing Co. 363,024; Dec. 6.

Filing equipment, Visible index. General Fireproofing Co. 363,017; Dec. 6; Serial No. 409,517; published Sept. 27, 1938.

Mattresses. Sealy Mattress Co. 123,488; renewed Nov. 12, 1938.

Mattresses. Western Mattress Company of Oregon. 363,006; Dec. 6; Serial No. 409,378; published Sept. 27, 1938.

Tables, chairs, and other sitting pieces, Metal. N. B. Salterini. 363,026; Dec. 6.

CLASS 34

Boilers, Water heating and steam generating. Titusville Iron Works Company. 362,942; Dec. 6; Serial No. 408,330; published Sept. 27, 1938.

Globes and reflectors. Holophane Company. 362,872; Dec. 6; Serial No. 395,528; published Sept. 27, 1938.

Gridirons for outdoor use. American Brake Shoe and Foundry Company. 362,906; Dec. 6; Serial No. 407,352; published Sept. 27, 1938.

Lanterns and constituent parts and accessories, Storm. H. Nier. 362,891; Dec. 6; Serial No. 404,950; published Sept. 27, 1938.

Signal lenses, Vehicle safety reflecting. Yankee Metal Products Corp. 363,023; Dec. 6.

Ventilators, air diffusers, and air aspirators. Anemostat Corporation of America. 362,948; Dec. 6; Serial No. 408,446; published Sept. 27, 1938.

CLASS 35

Belting. Ton-Tex Corporation. 362,966; Dec. 6; Serial No. 408,773; published Sept. 27, 1938.

Gaskets. Victor Manufacturing and Gasket Company. 363,012; Dec. 6; Serial No. 409,450; published Sept. 27, 1938.

CLASS 36

Wind instruments. H. N. White Company. 362,900; Dec. 6; Serial No. 407,168; published Sept. 27, 1938.

CLASS 37

Letter heads, envelopes, and wrapping paper. Economy Printers Products Company. 362,925; Dec. 6; Serial No. 407,800; published Sept. 27, 1938.

Paper. St. Regis Paper Company. 362,898; Dec. 6; Serial No. 407,039; published Sept. 27, 1938.

Paper, Commercial safety. E. L. Baker. 362,892; Dec. 6; Serial No. 405,379; published Sept. 27, 1938.

Tape, Gummed paper mending. Geffelator Corporation. 362,888; Dec. 6; Serial No. 404,604; published Sept. 27, 1938.

Tissue, Toilet. L. K. Mallinckrodt. 362,871; Dec. 6; Serial No. 395,042; published Oct. 19, 1937.

CLASS 39

Apparel, Wearing. Best Undergarment Company. 362,959; Dec. 6; Serial No. 408,594; published Sept. 27, 1938.

Apparel, Women's and misses' wearing. L. J. Mallas. 363,022; Dec. 6.

Bathrobes, night shirts, gowns, etc. Ganis Brothers. 362,937; Dec. 6; Serial No. 408,239; published Sept. 20, 1938.

Blouses, Ladies' and children's. L. Brod. 362,883; Dec. 6; Serial No. 403,442; published Sept. 13, 1938.

Boots and shoes, Women's and misses'. J. J. Grover's Sons. 123,227; renewed Oct. 22, 1938.

Coats and suits. Frank Levinsohn & Bros., Inc. 362,919; Dec. 6; Serial No. 407,706; published Sept. 13, 1938.

Coats and suits, Ladies' and misses'. Keller-Kohn Co. 362,967; Dec. 6; Serial No. 408,844; published Sept. 27, 1938.

Coats and suits, Women's and misses'. Gordon V. Lyons, Inc. 362,932; Dec. 6; Serial No. 408,063; published Sept. 20, 1938.

Coats and suits, Women's and misses'. Gordon V. Lyons, Inc. 362,933; Dec. 6; Serial No. 408,026; published Sept. 20, 1938.

Coats, capes, and jackets, Dyed coney. Fur Mart of America, Inc. 362,868; Dec. 6; Serial No. 393,031; published Nov. 16, 1937.

Coats for women and girls. Smart-Maid Coat Company. 362,953; Dec. 6; Serial No. 408,487; published Sept. 27, 1938.

Coats, Ladies'. Cardais Cloak Co. 362,980; Dec. 6; Serial No. 408,987; published Sept. 27, 1938.

Coats, Ladies'. Ornstein, Levy & Israelson. 362,945; Dec. 6; Serial No. 408,396; published Sept. 13, 1938.

Dresses, Children's. Landsman, Katz & Monk. 362,968; Dec. 6; Serial No. 408,847; published Sept. 27, 1938.

Handkerchiefs. International Handkerchief Mfg. Co. 363,003; Dec. 6; Serial No. 409,315; published Sept. 13, 1938.

Hats and caps. A. Lesser & Co. 125,067; renewed Apr. 8, 1939.

Hosiery. Berkshire Knitting Mills. 362,963; Dec. 6; Serial No. 408,687; published Sept. 27, 1938.

Hosiery. Brown Durrell Co. 362,924; Dec. 6; Serial No. 407,792; published Sept. 20, 1938.

Hosiery. Interwoven Stocking Company. 362,922; Dec. 6; Serial No. 407,732; published Sept. 27, 1938.

Hosiery. Celanese Corporation of America. 362,991; Dec. 6; Serial No. 409,081; published Sept. 27, 1938.

Hosiery. National Silk Hosiery Mills, Inc. 362,988; Dec. 6; Serial No. 409,052; published Sept. 27, 1938.

Hosiery. Nolde and Horst Company. 362,938; Dec. 6; Serial No. 408,284; published Sept. 27, 1938.

Hosiery and women's underwear. Seidenbach's, Inc. 362,867; Dec. 6; Serial No. 392,894; published Sept. 20, 1938.

Hosiery, Men's. McLaurin Hosiery Mills. 362,964; Dec. 6; Serial No. 408,724; published Sept. 27, 1938.

Jackets, coats, vests, etc., Leather. Gordon & Ferguson Company. 362,901; Dec. 6; Serial No. 407,220; published Sept. 20, 1938.

Overcoats and top coats, Men's. C. B. Shane Corporation. 362,965; Dec. 6; Serial No. 408,731; published Sept. 27, 1938.

Pajamas, Ladies'. Anne Underwear Co. Inc. 362,946; Dec. 6; Serial No. 408,412; published Sept. 27, 1938.

Shirts, Sport. Alps Sportswear Mfg. Co. 362,954; Dec. 6; Serial No. 408,489; published Sept. 13, 1938.

Sports wear and utility outerwear. H. W. Carter & Sons. 362,910; Dec. 6; Serial No. 407,459; published Sept. 27, 1938.

Suits, coats, vests, pants, etc. Pincus Bros., Inc. 362,939; Dec. 6; Serial No. 408,298; published Sept. 13, 1938.

Suits, Knit and fabricated swim. Pacific Knitting Mills, Inc. 362,955; Dec. 6; Serial No. 408,505; published Sept. 27, 1938.

Suits, overcoats, and topcoats. Peerless Tailoring Company. 362,956; Dec. 6; Serial No. 408,507; published Sept. 27, 1938.

Sweaters. Glasgo Limited. 362,927; Dec. 6; Serial No. 407,859; published Sept. 13, 1938.

Sweaters and sweater ensemble. Central Knitwear Mills, Inc. 362,973; Dec. 6; Serial No. 408,913; published Sept. 27, 1938.

Sweaters, Knitted. Irwill Knitwear Corp. 362,929; Dec. 6; Serial No. 407,905; published Sept. 13, 1938.

Sweaters, suits, and skirts for ladies, Knitted. Herald Knitwear Company. 362,885; Dec. 6; Serial No. 404,045; published Sept. 27, 1938.

Trousers and pants. Cohen, Goldman & Co. Inc. 362,873; Dec. 6; Serial No. 397,926; published Sept. 20, 1938.

Underwear and vests, Infants' knitted. Marshall Field & Company. 123,620; renewed Nov. 19, 1938.

Undershirts, pajamas, underwear, and dress, negligee, and work shirts, Men's. Sam's Cut Rate Inc. 362,890; Dec. 6; Serial No. 404,907; published Sept. 27, 1938.

CLASS 41

Umbrellas. Polan, Katz and Company. 362,936; Dec. 6; Serial No. 408,206; published Sept. 6, 1938.

Umbrellas. Rice-Stix Dry Goods Company. 362,999; Dec. 6; Serial No. 409,210; published Sept. 27, 1938.

CLASS 42

Blankets of cotton. Beacon Manufacturing Company. 363,007; Dec. 6; Serial No. 409,381; published Sept. 27, 1938.

Carpets and rugs. Artloom Corporation. 363,001; Dec. 6; Serial No. 409,254; published Sept. 20, 1938.

Carpets and rugs. Magee Carpet Company. 362,940; Dec. 6; Serial No. 408,320; published Sept. 27, 1938.

Cloth piece goods. Sandess Manufacturing Company. 362,926; Dec. 6; Serial No. 407,822; published Sept. 27, 1938.

Cloth, Window-shade. Ordinator Company. 124,137; renewed Jan. 14, 1939.

Fabrics in the piece, made-up curtains, draperies and hangings, etc., Drapery and curtain. Barker Bros., Corporation. 363,004; Dec. 6; Serial No. 409,339; published Sept. 27, 1938.

Fabrics, Pile. B. Greenholtz. 362,952; Dec. 6; Serial No. 408,461; published Sept. 20, 1938.

Fabrics, Textile. Rock Hill Woolens, Inc. 363,000; Dec. 6; Serial No. 409,211; published Sept. 20, 1938.

Piece goods. Cohn-Hall-Marx Co. 362,995; Dec. 6; Serial No. 409,157; published Sept. 20, 1938.

Piece goods and dress goods. M. Lowenstein & Sons, Inc. 362,987; Dec. 6; Serial No. 409,044; published Sept. 20, 1938.

Sheets, pillowcases, pillow tubings, etc. Sears, Roebuck and Co. 362,990; Dec. 6; Serial No. 409,061; published Sept. 20, 1938.

Sheets, pillowcases, and cotton piece goods. Fruit of the Loom, Inc. 363,008; Dec. 6; Serial No. 409,396; published Sept. 27, 1938.

Suitings, Men's. Waterhouse Woolen Company. 363,005; Dec. 6; Serial No. 409,376; published Sept. 27, 1938.

Textile fabrics. Eichmann & Hecht. 362,931; Dec. 6; Serial No. 408,012; published Sept. 27, 1938.

Textile fabric. Frankly Silk Corp. 363,002; Dec. 6; Serial No. 409,266; published Sept. 27, 1938.

Textile fabrics. National Fabrics Corporation. 362,874; Dec. 6; Serial No. 399,006; published Sept. 27, 1938.

Woolen and cotton fabrics. C. W. Conaway. 362,996; Dec. 6; Serial No. 409,159; published Sept. 20, 1938.

Woolen cloth, Woven. S. Stroock & Co. Inc. 363,014; Dec. 6; Serial No. 409,494; published Sept. 27, 1938.

Woolen fabrics. L. Cohen. 362,949; Dec. 6; Serial No. 408,456; published Sept. 20, 1938.

Woolen piece goods. Forstmann Woolen Co. 363,009–10; Dec. 6; Serial Nos. 409,425–6; published Sept. 27, 1938.

Woolen piece goods. Forstmann Woolen Co. 363,015–16; Dec. 6; Serial Nos. 409,515–16; published Sept. 27, 1938.

CLASS 43

Yarn. Callaway Mills. 363,030; Dec. 6.

Yarns, Cotton. Lee Edwards Corporation. 362,911; Dec. 6; Serial No. 407,493; published Sept. 13, 1938.

CLASS 44

Masks and respirators. Hygeia Respirator Co. 124,970; renewed Apr. 1, 1939.

Wave pads, Permanent. G. Fisher. 362,928; Dec. 6; Serial No. 407,863; published Sept. 27, 1938.

CLASS 45

Beverage, a cola drink. H. R. Nicholson Company. 362,894; Dec. 6; Serial No. 406,691; published Sept. 20, 1938.

Beverages. D. Karavidas. 362,976; Dec. 6; Serial No 408,940; published Sept. 27, 1938.

Beverages and syrups and extracts for making same. F. J. T. Barnes. 362,893; Dec. 6; Serial No. 406,437; published Sept. 27, 1938.

Beverages, and syrups, extracts, and for same, Fruit juice. Bireley's, Inc. 362,866; Dec. 6; Serial No. 387,978; published Sept. 27, 1938.

Beverages, and sirups and extracts for making the same. L. W. Brandt. 363,027; Dec. 6.

Beverages and syrups and extracts for making same. Elray Sales. 362,896; Dec. 6; Serial No. 406,799; published Sept. 27, 1938.

Beverages, and syrups and extracts for making the same. E. H. Gruber. 362,879; Dec. 6; Serial No. 401,897; published Sept. 20, 1938.

Beverages and sirups and extracts for making same, and for mineral waters. F. Korn. 363,011; Dec. 6; Serial No. 409,428; published Sept. 27, 1938.

Sirup. G. S. Papazian. 362,998; Dec. 6; Serial No. 409,205; published Sept. 20, 1938.

CLASS 46

Baking-powder and salt. California Packing Corporation. 124,081; renewed Jan. 14, 1939.

Banana Milk powder. W. W. Wagner. 362,983; Dec. 6; Serial No. 409,016; published Sept. 27, 1938.

Butter. Henegar Bros. 362,960; Dec. 6; Serial No. 408,641; published Sept. 27, 1938.

Candies. Frances Sinagnan et Cie. Inc. 362,969; Dec. 6; Serial No. 408,863; published Sept. 27, 1938.

Candy. Paul F. Reich Company. 362,930; Dec. 6; Serial No. 407,935; published Sept. 27, 1938.

Canned citrus juices for food purposes. Desert Citrus Products Association. 362,899; Dec. 6; Serial No. 407,089; published Sept. 27, 1938.

Canned fish. Fishermen's Tuna Packing Company. 362,950–1; Dec. 6; Serial Nos. 408,459–60; published Sept. 27, 1938.

Canned pigs feet. F. G. Vogt & Sons, Incorporated. 362,943; Dec. 6; Serial No. 408,360; published Sept. 27, 1938.

Cocoanut, Desiccated. Sun-Ripe Cocoanut Products Co. 362,886; Dec. 6; Serial No. 404,330; published Sept. 27, 1938.

Coffee. Clark & MacKusick Company. 123,205; renewed Oct. 22, 1938.

Confections, Frozen. Joe Lowe Corporation. 362,994; Dec. 6; Serial No. 409,132; published Sept. 27, 1938.

Flour, Potato. California Packing Corporation. 124,819; renewed Mar. 18, 1939.

Food beverage. R. T. Parfet. 362,902; Dec. 6; Serial No. 407,241; published Sept. 27, 1938.

Food preparation, Pure. G. C. Bear. 362,905; Dec. 6; Serial No. 407,297; published Sept. 27, 1938.

Gum, Chewing. Wm. Wrigley Jr. Company. 362,880; Dec. 6; Serial No. 402,108; published Sept. 27, 1938.

Ice-cream. Chapin-Sacks Manufacturing Company. 125,126; renewed Apr. 15, 1939.

Oysters, Fresh. E. T. McNaney. 362,974; Dec. 6; Serial No. 408,928; published Sept. 27, 1938.

Peanut-butter. Wm. T. Mullkin Co. 124,980; re-renewed Apr. 1, 1939.

Peanut butter. Producers Peanut Company. 362,947; Dec. 6; Serial No. 408,435; published Sept. 27, 1938.

Potatoes. National Association of Food Chains, Inc. 362,957; Dec. 6; Serial No. 408,544; published Sept. 27, 1938.

Rice. Kansas City Wholesale Grocery Co. 124,547; renewed Feb. 25, 1939.

Shortening. Humko Co. 363,028; Dec. 6.

Whey, skim milk, buttermilk used as feed for livestock and poultry, Dried. Hercules Powder Company. 362,961; Dec. 6; Serial No. 408,642; published Sept. 27, 1938.

Whey, skim milk, buttermilk used as feed for livestock and poultry, Dried. Hercules Powder Company. 362,962; Dec. 6; Serial No. 408,644; published Sept. 27, 1938.

CLASS 47

Wine. Bouchard Ainé & Fils. 362,912; Dec. 6; Serial No. 407,520; published Sept. 27, 1938.

Wine, Apple. Hood River Distillers, Inc. 363,025; Dec. 6.

Wines. Bouchard Ainé & Fils. 362,913; Dec. 6; Serial No. 407,521; published Sept. 27, 1938.

Wines. Bouchard Ainé & Fils. 362,914; Dec. 6; Serial No. 407,528; published Sept. 27, 1938.

CLASS 48

Beer. Mound City Brewing Co. 362,881; Dec. 6; Serial No. 402,784; published Sept. 27, 1938.

CLASS 49

Brandy. Margulis & Company. 362,908; Dec. 6; Serial No. 407,381; published Sept. 27, 1938.

Whiskey. A. S. Bowman. 362,915; Dec. 6; Serial No. 407,582; published Sept. 27, 1938.

Whiskey. Distillers Distributing Corporation. 363,018–19; Dec. 6; Serial Nos. 409,604–5; published Sept. 27, 1938.

Whiskey. Gooderham & Worts Limited. 363,032; Dec. 6.

Whiskey, Rye. Nicholas & Co., Inc., Importers. 363,031; Dec. 6.

CLASS 50

Corks. Willis Jason Kendrich Inc. 125,113; renewed Apr. 8, 1939.

Matrix or flong for stereotyping. Rapid Electrotype Co. 362,916–17; Dec. 6; Serial Nos. 407,603–4; published Sept. 27, 1938.

LIST OF LABELS

Air-Vent Automatic Electric Toaster Cover. For Covers for Automatic Electric Toasters. A. Reinhold. 52,201; Dec. 6.

Air-Vent Bread Bag. For Bags for Containing Bread and Other Food. A. Reinhold. 52,200; Dec. 6.

Air-Vent Pillow Bag. For Bags for Pillows, Clothing and Other Articles. A. Reinhold. 52,197; Dec. 6.

Air-Vent Vacuum Coffee Maker Cover. For Covers for Vacuum Coffee Makers. A. Reinhold. 52,199; Dec. 6.

Black Jack. For Fresh Lettuce. Musante-Williams, Inc. 52,196; Dec. 6.

C-O-A, Coat of Arms Brand Polish and Cleaner. For a Polish and Cleaner for Furniture, Woodwork, all Varnished and Painted Surfaces. G. Guidinger. 52,191; Dec. 6.

Cafe' Jal Alai. For Coffee. Bustelo Coffee Roasting Co. Inc. 52,184; Dec. 6.

Caffe-Della Dolceria Guida. For Coffee. A. D. Guida. 52,189–90; Dec. 6.

Carroll Injurine. For an Antiseptic. H. F. Carroll. 52,186; Dec. 6.

Fancy Celery. For Celery. F. D. Croce & Company. 52,187; Dec. 6.

Hopscotch Fabrics. For Fabrics. Louis Geiger, Inc. 52,188; Dec. 6.

Jim Beam. For Straight Bourbon Whiskey. James B. Beam Distilling Co. 52,183; Dec. 6.

Johnson's '66' Quick Drying Varnish. For a Quick Drying Varnish. S. C. Johnson & Son, Inc. 52,193; Dec. 6.

Kreider's Sweethearts. For Shoes. A. S. Kreider Co. 52,195; Dec. 6.

Ruptured! For Trusses. R. A. Campbell. 52,185; Dec. 6.

Sal Grada. For a Tonic Laxative. B. G. Jones. 52,194; Dec. 6.

Silver Crest. For Bread. G. L. Hudson. 52,192; Dec. 6.

LIST OF PRINTS

Buy Burn Boost Anthracite Coal. For Anthracite Coal. Milton C. Johnson Company. 17,149; Dec. 6.

He Runs a $60,000,000 Company With The Pen That Has What It Takes. For Fountain Pens, Mechanical Pencils and Ink. Parker Pen Company. 17,150; Dec. 6.

Instructions the Miller Form-Fitting Truss. For Trusses. R. A. Campbell. 17,145; Dec. 6.

Licked . . . Unless He Gets the Food Energy He Needs Every Day! For Wheat Breakfast Food. Cream of Wheat Corporation. 17,146; Dec. 6.

Now . . . Corn in Tempting "Bubbles" . . . Something Entirely New for Breakfast. For Cereal Food. General Mills, Inc. 17,147; Dec. 6.

Pontiac Protective Coatings, Interior Gloss for Walls and Woodwork. For Paint. Pontiac Varnish Company. 17,151; Dec. 6.

Three Stars of "Men With Wings" Agree. For Biscuit Flour. General Mills, Inc. 17,148; Dec. 6.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 6TH DAY OF DECEMBER, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Air Devices Corporation. (See Curtiss, William R., assignor.)

Bennett-Clark Co. (See Hoover, Charles O., assignor.)

Collins, Henry H., Bryn Mawr, Pa. Utility plate. Re. 20,934; Dec. 6.

Curtiss, William R., Meriden, Conn., assignor, by mesne assignments, to Air Devices Corporation. Signal device. Re. 20,935; Dec. 6.

Davis, Lewis, Worcester, assignor to McLaurin-Jones Co., Brookfield, Mass. Decalcomania paper. Re. 20,936; Dec. 6.

Dorr Company, The. (See Slade, James V., assignor.)

Hoover, Charles O., Houston, assignor to Bennett-Clark Co., Inc., San Antonio, Tex. Purifying hydrocarbon oils. Re. 20,938; Dec. 6.

Kollsman, Paul, New York, N. Y. Miniature electric lamp bulb seat and socket combination. Re. 20,937; Dec. 6.

McLaurin-Jones Co. (See Davis, Lewis, assignor.)

Meikle, George S., West Lafayette, Ind. Apparatus for producing combustion. Re. 20,939; Dec. 6.

Slade, James V., New Rochelle, assignor to The Dorr Company, Inc., New York, N. Y. Grinding. Re. 20,941; Dec. 6.

Troell, Lewis S., Brooklyn, N. Y. Power apparatus. Re. 20,940; Dec. 6.

Weisbaum, Jack, Cincinnati, Ohio. Necktie. Re. 20,942; Dec. 6.

Woodall, Herbert J., assignor to Woodall Industries Incorporated, Detroit, Mich. Automobile trim panel. Re. 20,943; Dec. 6.

Woodall Industries Incorporated. (See Woodall, Herbert J., assignor.)

LIST OF DESIGN PATENTEES

Abelson, Nat, New York, N. Y. Dress. 112,493; Dec. 6.

Abelson, Nat, New York, N. Y. Dress. 112,494; Dec. 6.

Acme Specialty Company. (See Bohn, Walter J., assignor.)

American Optical Company. (See Oker, Arne J., assignor.)

Arden, Elizabeth, Inc. (See Lewis, Florence N., assignor.)

Bauers, Alexander L., La Grange, assignor to General Outdoor Advertising Co., Chicago, Ill. Signboard. 112,430; Dec. 6.

Bierman, Jack, Chicago, Ill. Ashtray. 112,431; Dec. 6.

Bitterman, Jacob L., New York, N. Y. Shoe. 112,416; Dec. 6.

Bohme, Herman, Oakland, Calif. Ash receiver or similar article. 112,454; Dec. 6.

Bohme, Herman, Oakland, Calif. Paperweight or similar article. 112,455; Dec. 6.

Bohme, Herman, Oakland, Calif. Desk penholder. 112,456; Dec. 6.

Bohme, Herman, Oakland, Calif. Lamp. 112,457; Dec. 6.

Bohn, Walter J., assignor to Acme Specialty Company, Toledo, Ohio. Toilet mirror. 112,432; Dec. 6.

Bowie, Robert M., Emporium, Pa. Cathode ray tube or similar article. 112,474; Dec. 6.

Breer, Edna, New York, N. Y. Dress. 112,475; Dec. 6.

Carr-Lowry Glass Co. (See Kohl, William R., assignor.)

Case, Harold W. (See Taylor, J. G., and Case.)

Century Lighting, Inc. (See Levy, Joseph, assignor.)

Cohn, Mark, New York, N. Y. Dress. 112,458; Dec. 6.

Coleman, Tora, New York, N. Y. Dress ensemble. 112,476; Dec. 6.

Coleman, Tora, New York, N. Y. Dress. 112,477; Dec. 6.

Coleman, Tora, New York, N. Y. Dress. 112,478; Dec. 6.

Coleman, Tora, New York, N. Y. Dress. 112,495; Dec. 6.

Coleman, Tora, New York, N. Y. Dress. 112,496; Dec. 6.

Coleman, Tora, New York, N. Y. Dress ensemble. 112,497; Dec. 6.

Cline, Earl E., assignor to Mueller Co., Decatur, Ill. Pressure control fitting. 112,479; Dec. 6.

Cunningham, Andrew J., Snyder, N. Y. Goblet or similar article. 112,442; Dec. 6.

Cunningham, Andrew J., Snyder, N. Y. Goblet or similar article. 112,443; Dec. 6.

Cunningham, Andrew J., Snyder, N. Y. Goblet or similar article. 112,444; Dec. 6.

Cunningham, Andrew J., Snyder, N. Y. Goblet or similar article. 112,445; Dec. 6.

Dreilinger, Morris, New York, N. Y. Serving platter. 112,446; Dec. 6.

Eisenberg, Sam J., Winnetka, Ill. Perfume bottle. 112,433; Dec. 6.

Electronaire Marketing Company Limited. (See Sones, William H., assignor.)

Etkin, Simon, New York, N. Y. Jacket. 112,498; Dec. 6.

Feldman, Albert M., New York, N. Y. Combined kitchen shelf and brackets therefor, or similar article. 112,447; Dec. 6.

Fried, Benjamin, New York, N. Y. Dress. 112,459; Dec. 6.

Fried, Benjamin, New York, N. Y. Dress. 112,460; Dec. 6.

Frumkin, Max, New York, N. Y. Dress. 112,499; Dec. 6.

General Outdoor Advertising Co. (See Bauers, Alexander L., assignor.)

Glock, Carl A., Lynwood, Calif. Traffic marker. 112,461; Dec. 6.

Graef, Jean R., New York, N. Y. Wrist watch case. 112,417; Dec. 6.

Grimsdale, Thomas T., New York, assignor to Frank M. Sayford Co., Inc., Brooklyn, N. Y. Hot dish pad or similar article. 112,448; Dec. 6.

Hackman, Meyer J., Chicago, Ill. Novelty doll. 112,434; Dec. 6.

Hall, Mildred L., Meriden, Conn. Lip protector for drinking vessels. 112,449; Dec. 6.

Hersh, Theodore A., assignor to Joy Fastener Company, Franklin, Pa. Slide fastener. 112,418; Dec. 6.

Hersh, Theodore A., assignor to Joy Fastener Company, Franklin, Pa. Slide fastener. 112,419; Dec. 6.

Hersh, Theodore A., assignor to Joy Fastener Company, Franklin, Pa. Slide fastener. 112,420; Dec. 6.

Hersh, Theodore A., assignor to Joy Fastener Company, Franklin, Pa. Slide fastener. 112,421; Dec. 6.

Hersh, Theodore A., assignor to Joy Fastener Company, Franklin, Pa. Slide fastener. 112,422; Dec. 6.

Hersh, Theodore A., assignor to Joy Fastener Company, Franklin, Pa. Slide fastener. 112,423; Dec. 6.

Hersh, Theodore A., assignor to Joy Fastener Company, Franklin, Pa. Slide fastener. 112,424; Dec. 6.

Hersh, Theodore A., assignor to Joy Fastener Company, Franklin, Pa. Slide fastener. 112,425; Dec. 6.

Hersh, Theodore A., assignor to Joy Fastener Company, Franklin, Pa. Slide fastener. 112,426; Dec. 6.

Hettrick Manufacturing Company, The. (See Smith, William I., assignor.)

International Silver Company. (See Kintz, Alfred G., assignor.)

Ironrite Company. (See Sperlich, Herman A., assignor.)

Joy Fastener Company. (See Hersh, Theodore A., assignor.)

Kaplan, Alice S., New York, N. Y. Dress. 112,500; Dec. 6.

Kintz, Alfred G., Wallingford, assignor to International Silver Company, Meriden, Conn. Spoon or other article of flatware. 112,427; Dec. 6.

Kintz, Alfred G., Wallingford, assignor to International Silver Company, Meriden, Conn. Spoon or other article of flatware. 112,428; Dec. 6.

Kletsky, Julius, Springfield, Mass. Seat cover or the like. 112,450; Dec. 6.

Koch, Louis A., Louisville, Ky. Automobile exhaust shroud. 112,480; Dec. 6.

Koch, Louis A., Louisville, Ky. Automobile exhaust shroud. 112,481; Dec. 6.

Koch, Louis A., Louisville, Ky. Automobile exhaust shroud. 112,482; Dec. 6.

Kohl, William R., New York, N. Y., assignor to Carr-Lowry Glass Co., Baltimore, Md. Bottle. 112,462; Dec. 6.

Korengold, John A., Chicago, Ill. Cautery unit. 112,435; Dec. 6.

Kostellow, Rowena R., assignor to United States Glass Co., Pittsburgh, Pa. Plate or similar article. 112,451; Dec. 6.

Lentini, Helen, New York, N. Y. Dress. 112,483; Dec. 6.

Levine, Michael M., New York, N. Y. Dress. 112,501; Dec. 6.

Levy, Joseph, New York, N. Y., assignor to Century Lighting, Inc. Lighting fixture lens or the like article. 112,463; Dec. 6.

Lewis, Florence N., New York, N. Y. Handbag. 112,436; Dec. 6.

Lewis, Florence N., New York, N. Y. Handbag. 112,437; Dec. 6.
Lewis, Florence N., assignor to Elizabeth Arden, Inc., New York, N. Y. Bottle. 112,464; Dec. 6.
Magesis, Abraham, New York, N. Y. Dress. 112,466; Dec. 6.
Maier, August R., Dallas, Tex. Rotary well drilling unit. 112,465; Dec. 6.
Marder, Leo, Brooklyn, N. Y. Frame for mirrors or the like. 112,438; Dec. 6.
Mascitelli, Marie, New York, N. Y. Waist. 112,467; Dec. 6.
Matthews, Russell R., Cornwall, N. Y. Woven pile fabric. 112,484; Dec. 6.
Morris, Abraham H., New York, N. Y. Dress or similar article. 112,468; Dec. 6.
Mueller Co. (See Cline, Earl E., assignor.)
Nathanson, William, Los Angeles, Calif. Phonograph cabinet. 112,485; Dec. 6.
Nusz, David J., Hickam Field, Honolulu, Hawaii. Automobile radiator ornament. 112,486; Dec. 6.
Oker, Arne J., assignor to American Optical Company, Southbridge, Mass. Fitting table. 112,452; Dec. 6.
Paige, Arthur E., Philadelphia, Pa. Heat radiator section. 112,439; Dec. 6.
Prentice, Thomas J., Piedmont, Calif. Automobile top aerial. 112,487; Dec. 6.
Price, David W., New York, N. Y. Dress. 112,488; Dec. 6.
Rosenbluth, Max, New York, N. Y. Convertible evening dress. 112,469; Dec. 6.
Santoro, Pasquale A., New York, N. Y. Dress. 112,502; Dec. 6.
Sayford, Frank M., Co. (See Grimsdale, Thomas T., assignor.)
Smith, William I., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Play pool. 112,440; Dec. 6.
Sones, William H., Twickenham, assignor to Electronaire Marketing Company Limited, London, England. Air conditioning unit or similar article. 112,489; Dec. 6.
Sperlich, Herman A., assignor to Ironrite Company, Detroit, Mich. Chair. 112,453; Dec. 6.
Steinhardt, Irving, New York, N. Y. Toy or similar article. 112,470; Dec. 6.
Stone, Mollie, New York, N. Y. Dress. 112,471; Dec. 6.
Stone, Mollie, New York, N. Y. Dress. 112,472; Dec. 6.
Strauss, Ira, New York, N. Y. Textile fabric. 112,503; Dec. 6.
Taylor, James G., Fairfield, and H. W. Case, Dayton, Ohio. Airplane. 112,490; Dec. 6.
Tebbutt, Albert E., Northampton, England. Combined rubber sole and heel. 112,429; Dec. 6.
Turpan, Mark, West Englewood, N. J. Textile fabric or similar article. 112,491; Dec. 6.
Turpan, Mark, West Englewood, N. J. Textile fabric or similar article. 112,492; Dec. 6.
Turpan, Mark, West Englewood, N. J. Textile fabric or similar article. 112,504; Dec. 6.
United States Glass Co. (See Kostellow, Rowena R., assignor.)
Wals, Louis, New York, N. Y. Dress. 112,505; Dec. 6.
Weidhaas, Francis E., Bronxville, N. Y. Doll. 112,441; Dec. 6.
Young, Hallie M. C., Oklahoma City, Okla. Street traffic signal. 112,473; Dec. 6.
Zahn, Philip, New York, N. Y. Dress. 112,506; Dec. 6.
Zinn, Harry, New York, N. Y. Dress. 112,507; Dec. 6.
Zinn, Joseph, New York, N. Y. Dress. 112,508; Dec. 6.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 6TH DAY OF DECEMBER, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abe, Philber A., assignor to The Monarch Machine Tool Company, Sidney, Ohio. Surface hardening lathe bed. 2,138,811; Dec. 6.
Abeloos, Paul, Juvisy, France, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Automatic selection station. 2,139,324; Dec. 6.
Adams, Robert P., Killeen, Tex. Meter gap expander. 2,139,062; Dec. 6.
Aiala, Rocco, assignor to Epiphone, Inc., New York, N. Y. Pedal control for electrically amplified musical instruments. 2,139,217; Dec. 6.
Akers, John, and K. H. Pearsen, San Francisco, Calif. Support for paint brushes. 2,138,812; Dec. 6.
Aktiebolaget Kanthal. (See Nordström, Bengt G. O., assignor.)
Aktiebolaget Ljungströms Angturbin. (See Lysholm, A., and Wahlsten, assignors.)
Alison, Noah L., assignor to American Blower Corporation, Detroit, Mich. Hydraulic coupling. 2,139,107; Dec. 6.
Allen, George M., Swarthmore, and G. C. Barton, Chester, Pa., assignors, by mesne assignments, to American Viscose Corporation. Spinneret and producing the same. 2,139,568; Dec. 6.
Allen, Ross E. (See Betterton, J. O., Phillips, and Allen.)
Allen, Samuel W., Hudson, Ohio. Simultaneously washing and coating coal. 2,138,825; Dec. 6.
Allen, Samuel W., Hudson, Ohio. Fuel and compositions of matter for treating solid carbonaceous fuel. 2,139,398; Dec. 6.
Aller, Willis F. (See Poock, L. F., and Aller.)
Aller, Willis F., assignor to The Sheffield Gage Corporation, Dayton, Ohio. Measuring instrument. 2,139,251; Dec. 6.
Allis-Chalmers Manufacturing Company. (See Dahlstrand, Hans P., assignor.)
Allis-Chalmers Manufacturing Company. (See Journeaux, Didier, assignor.)
Allgemeine Elektricitats Gesellschaft. (See König, Erwin, assignor.)
Alton, William H., Westport, Conn., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Dry cleaning process. 2,139,629; Dec. 6.
Aluminum Industries, Inc. (See Schnell, A. E., and Beckmann, assignors.)
Alvarado, Don Jose, J., assignor of one-half to W. Gray, Richmond, Va. Steering gear control speed regulator for vehicles. 2,139,569; Dec. 6.
Amberg, Walter E., assignor to Universal Paper Products Company, Chicago, Ill. Making conical containers. 2,139,613; Dec. 6.
Amberg, Walter E., assignor to Universal Paper Products Company, Chicago, Ill. Method and machine for making paper cups. 2,139,614; Dec. 6.
American Blower Corporation. (See Alison, Noah L., assignor.)
American Can Company. (See Erb, George C., assignor.)
American Car and Foundry Company. (See Bittner, Clifford, assignor.)
American Car and Foundry Company. (See Euwer, Herbert D., assignor.)
American Car and Foundry Company. (See McBride, John J., assignor.)
American Car and Foundry Company. (See Shipley, Tolbott G., assignor.)
American Enka Corporation. (See Bouhuys, Aleidus G., assignor.)
American Enka Corporation. (See De Booys, Jacob, assignor.)
American Forging & Socket Company, The. (See Saunders, Walter S., assignor.)
American Hyalsol Corporation. (See Grün, Adolf, assignor.)
American Jewelry Chain Company. (See Bassler, Karl, assignor.)
American Laundry Machinery Company, The. (See Beattie, William P., assignor.)
American Laundry Machinery Company, The. (See Bicknell, George R., assignor.)
American Laundry Machinery Company, The. (See Neckel, Edmund N., assignor.)
American Machine & Metals, Inc. (See Harlan, Howard H., assignor.)
American Machine & Metals, Inc. (See Sonntag, Alfred, assignor.)
American Platinum Works, The. (See Streicher, Johann S., assignor.)
American Rayon Company. (See Furness, William H., assignor.)
American Rolling Mill Company, The. (See Gundersen, Daniel T., assignor.)
American Smelting and Refining Company. (See Betterton, J. O., Phillips, and Allen, assignors.)
American Steel and Wire Company of New Jersey, The. (See Osolin, Alfred, assignor.)
American Telephone and Telegraph Company. (See Gannett, Danforth K., assignor.)
American Telephone and Telegraph Company. (See Hafner, Gilbert M., assignor.)
American Tractor Equipment Corp. (See Post, Norman R. and C. R., assignors.)
American Tractor Equipment Corporation. (See Yount, Willis H., assignor.)
American Viscose Corporation. (See Allen, G. M., and Barton, assignors.)
American Zinc, Lead & Smelting Company. (See Maidens, William T., assignor.)
Andersag, Hans, and K. Westphal, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Thiazole compounds and manufacture thereof. 2,139,570; Dec. 6.
Andersen, Christian S., assignor to Pennsylvania Furnace & Iron Co., Warren, Pa. Gas control system. 2,139,344; Dec. 6.
Anderson, Carl I., Buffalo, and R. B. Payne, Elma, assignors to National Aniline & Chemical Company, Incorporated, New York, N. Y. Azo dyestuffs. 2,138,991; Dec. 6.
Anderson Company, The. (See Boddy, Leonard, assignor.)
Anderson, Waldemar E., and J. A. Linder, Montclair, N. J., assignors, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Lamp fuse protector. 2,139,252; Dec. 6.
Andrieu, Robert, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Oscillation producing system. 2,139,432; Dec. 6.
Anthony, David S., San Antonio, Tex. Reamer. 2,138,897; Dec. 6.
Apostoluk, Stephen, and F. R. Prina, New York, N. Y.; said Prina assignor to New York Clasp Corporation. Suspender holder. 2,139,481; Dec. 6.
Arado Flugzeugwerke Gesellschaft mit Beschrankter Haftung. (See Blume, Walter, assignor.)
Arma Engineering Co. (See Foss, Clifton T., assignor.)
Armstrong-Blum Mfg. Co. (See Blum, George J., assignor.)
Arnold, Luther B., Jr. (See Lenher, S., and Arnold.)
Arntzen, Bernard E., Chicago, Ill. Emergency conveyance. 2,138,826; Dec. 6.
Arzberger, Cornelius F., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Production of butyl alcohol by fermentation. 2,139,108; Dec. 6.
Asai, Hitoshi, Tokyo, Japan. Fountain pen packing. 2,139,218; Dec. 6.
Ashton, William H. (See Chambers, Leslie A., assignor.)
Associated Electric Laboratories, Inc. (See Gohorel, Fernand P., assignor.)
Atlantic Refining Company, The. (See Butz, John G., assignor.)
Atlantic Refining Company, The. (See Van Dyke, John W., assignor.)
Atz, Frederick W., Jr., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Electrical control system. 2,139,482; Dec. 6.
Audubon Wire Cloth Corporation. (See Guba, Raymond J., assignor.)
Automatic Control Corporation. (See Persons, Lawrence M., assignor.)
Automatic Press Appliance Company. (See Hale, Jackson T., assignor.)
Avery, Rube A., Hot Springs, Ark. Vehicle brake. 2,139,646; Dec. 6.
Avigdor, Rifat, Berlin, Germany. Fuel pump. 2,139,571; Dec. 6.
Ayers, Joseph W., assignor to C. K. Williams & Co., Easton, Pa. Production of iron oxide and zinc sulphate. 2,139,109; Dec. 6.
Babineau, Albert T., Los Angeles, Calif. Energizing floating wedge for vehicle brakes. 2,139,345; Dec. 6.
Babitch, Abraham M., and G. W. Harry, Flint, assignors to General Motors Corporation, Detroit, Mich. Combined fuel and air pump. 2,139,346; Dec. 6.
Babitch, Abraham M., and G. W. Harry, Flint, assignors to General Motors Corporation, Detroit, Mich. Fuel pump. 2,139,347; Dec. 6.
Badenhausen, John P., assignor of one-half to Day and Zimmermann, Incorporated, Philadelphia, Pa. Steam generator. 2,139,348; Dec. 6.

Badiam, Stephen, Rosslyn Farms, Pa. Rolling flat material. 2,139,483; Dec. 6.

Bailey, Reginald K., Lawrence, Kans. Breaking down and utilizing the constituents of polyhalite. 2,138,827; Dec. 6.

Bailey, Warren G., Evanston, assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Mop. 2,139,399; Dec. 6.

Baird, Cassius M. C., Chicago, Ill. Fire hose truck. 2,139,484; Dec. 6.

Bakelite Dental Products, Inc. (See Dresch, I. J., and Welth, assignors.)

Baker, Marie, Salem, Oreg. Closure for collapsible tubes. 2,138,992; Dec. 6.

Baldwin Company, The. (See Kock, Winston E., assignor.)

Bangs, Ralph C., Providence, R. I., assignor to Coro-Gram, Inc., New York, N. Y. Handle for various articles. 2,138,993; Dec. 6.

Barber Asphalt Corporation. (See Howell, Henry C., assignor.)

Barber-Greene Company. (See Barber, Harry H., assignor.)

Barber, Harry H., assignor to Barber-Greene Company, Aurora, Ill. Machine for and process of laying roads. 2,138,828; Dec. 6.

Bares, Rudolph, assignor to Dixie Vortex Company, Chicago, Ill. Dispensing mechanism. 2,139,433; Dec. 6.

Barker, Frederick W. and L. C., Pound Ridge, N. Y., assignors of one-third to H. A. Ward, New Canaan, Conn. Stray grass cutter. 2,139,349; Dec. 6.

Barker, Lester C. (See Barker, Frederick W. and L. C.)

Barnes Drill Co. (See Johnson, Albert M., assignor.)

Barnes, William B., Indianapolis, Ind. Overdrive gearing. 2,139,350; Dec. 6.

Barnett, Herbert. (See Durst, I. F., Begun, and Barnett.)

Barrett Company, The. (See Hamlin, Marston L., assignor.)

Barrows, Donald S., assignor to The Symington-Gould Corporation, Rochester, N. Y. Railway truck. 2,139,434; Dec. 6.

Bartels, Hans, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Push-pull amplifier. 2,138,898; Dec. 6.

Barton, Gilbert C. (See Allen, G. M., and Barton.)

Basel, Georg, and E. Schaeffer, Burghausen, Obb., assignors to Dr. Alexander Wacker Gesellschaft fur Elektrochemische Industrie, G. m. b. H., Munich, Germany. Producing tetrachlorethylene. 2,139,219; Dec. 6.

Bassford, Henry H., Jr., Naugatuck, Conn., assignor to United States Rubber Products, Inc., New York, N. Y. Preparing hydroxylamine derivatives of cyclic compounds. 2,138,899; Dec. 6.

Bassin, Charles S., Newton, assignor to New England Theatres, Inc., Boston, Mass. Film wiper. 2,139,537; Dec. 6.

Bassler, Karl, Attleboro, Mass., assignor to American Jewelry Chain Company. Key holder. 2,138,994; Dec. 6.

Bay West Paper Company. (See Vaughan, F. P., Krueger, and Siye, assignors.)

Beach, Raymond S., Avon, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Packing support. 2,139,063; Dec. 6.

Beattie, Wilferd A. S., Makaroff, Manitoba, Canada. Grain cleaner. 2,139,435; Dec. 6.

Beattie, William P., assignor to The American Laundry Machinery Company, Norwood, Ohio. Press control mechanism. 2,139,064; Dec. 6.

Beck, Michel, Winnetka, Ill. Waving hair. 2,139,436; Dec. 6.

Becker, Bernard C., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,139,146; Dec. 6.

Becket, Frederick M., New York, and R. Franks, Jackson Heights, Long Island, New York, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Chromium alloy steel tube. 2,139,538; Dec. 6.

Beckmann, Melbourne A. (See Schnell, A. E., and Beckmann.)

Begun, Semi J. (See Durst, I. F., Begun, and Barnett.)

Behr-Manning Corporation. (See Oglesby, Nicholas E., assignor.)

Bejarano, Julio G., Pittsburg, assignor to Shell Development Company, San Francisco, Calif. Temperature control process and apparatus. 2,139,351; Dec. 6.

Belden Manufacturing Company. (See Kollath, Francis C., assignor.)

Bell Telephone Laboratories, Incorporated. (See Blackman, R. B., and Lakatos, assignors.)

Bell Telephone Laboratories, Incorporated. (See Heising, Raymond A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Hysko, John L., assignor.)

Bell Telephone Laboratories, Incorporated. (See Ives, Herbert E., assignor.)

Bell Telephone Laboratories, Incorporated. (See Kinzer, J. P., and Wilson, assignors.)

Bell Telephone Laboratories, Incorporated. (See Stokely, Ray L., assignor.)

Bell Telephone Laboratories, Incorporated. (See Welch, Paul V., assignor.)

Bello, Pablo D. (See Jiminez, A. F., and Bello.)

Belluche, Frank R., Racine, Wis. Sheet feeder. 2,138,995; Dec. 6.

Bemis, Kenneth E., Oakland, Calif. Barbecue machine. 2,138,813; Dec. 6.

Bendix Aviation Corporation. (See Tognola, Tullio, assignor.)

Benner, Raymond C., and P. de Leeuw, assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Manufacture of bonded abrasive articles. 2,138,829; Dec. 6.

Benner, Raymond C., and P. de Leeuw, assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Production of abrasive articles. 2,138,830; Dec. 6.

Benzon, Frank B. (See Graham, W. M., and Benzon.)

Bergdoll, John G., assignor to York Ice Machinery Corporation, York, Pa. Refrigeration. 2,139,297; Dec. 6.

Berndt, Walter, and A. Gothe, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Short wave antenna system. 2,138,900; Dec. 6.

Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Rounding machine. 2,138,951; Dec. 6.

Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cutting machine. 2,139,485; Dec. 6.

Beskow, Bernhard M., Miami Beach, Fla. Hair waver. 2,139,181; Dec. 6.

Best, Frank E., Inc. (See Harp, Franklin H., assignor.)

Betterton, Jesse O., Metuchen, A. J. Phillips, Plainfield, and R. E. Allen, Avenel, N. J., assignors to American Smelting and Refining Company, Limited. Smelting of metallurgical dusts. 2,139,065; Dec. 6.

Beveridge-Marvellum Company, The. (See Householder, G., and Shearer, assignors.)

Bicknell, George R., Antioch, Ill., assignor to The American Laundry Machinery Company, Norwood, Ohio. Pressing machine work support positioning means 2,139,066; Dec. 6.

Bigler, Robert H. (See Schwarze, B. H., and Bigler.)

Bindler, Jakob. (See Iselin, M., and Bindler.)

Biniek, Georg, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Electrolytic condenser. 2,139,437; Dec. 6.

Bird, John C., Montclair, N. J., assignor to John Wyeth & Brother, Incorporated, Philadelphia, Pa. Preparing picric acid compounds. 2,139,400; Dec. 6.

Bishop, Mark. (See Petcher, H. S., Bishop, and Jones.)

Biswell, Charles B., and W. V. Wirth, Woodstown, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of 4-amino-azo-benzene-4'-sulphonic acid. 2,139,325; Dec. 6.

Bitting Incorporated. (See Keller, Harry H., assignor.)

Bittner, Clifford, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Adjustable seat. 2,139,253; Dec. 6.

Bittorf, Louis A., assignor to National Manufacturing Co., Sterling, Ill. Hinge package. 2,138,901; Dec. 6.

Bixby, Kenneth R., Geneseo, Ill., assignor to The Marion Steam Shovel Company, Marion, Ohio. Excavating machine. 2,139,254; Dec. 6.

Bixby, Kenneth R., Geneseo, Ill., assignor to The Marion Steam Shovel Company, Marion, Ohio. Excavating machine. 2,139,255; Dec. 6.

Blackman, Ralph B., Rutherford, N. J., and E. Lakatos, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromechanical wave filter. 2,139,220; Dec. 6.

Bledsoe, Oscar F., Greenwood, Miss. Storage plant and storing cotton and the like. 2,139,182; Dec. 6.

Bleil, Clarence J., Medford, Oreg. Continuous self-cleaning filter. 2,139,401; Dec. 6.

Blood, Jabez. (See Hashek, John A., assignor.)

Blum, George J., assignor to Armstrong-Blum Mfg. Co., Chicago, Ill. Saw blade supporting and clamping device. 2,139,147; Dec. 6.

Blume, Walter, assignor of one-half to Arado Flugzeugwerke Gesellschaft mit beschrankter Haftung, Brandenburg, (Havel), Germany. Auxiliary wing for aircraft. 2,138,952; Dec. 6.

Blumlein, Alan D., Ealing, London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Electrical network. 2,138,996; Dec. 6.

Boax, John J., McKeesport, Pa., assignor to National Tube Company. Continuous heating furnace. 2,139,067; Dec. 6.

Boddy, Leonard, Ann Arbor, Mich., assignor to The Anderson Company, Gary, Ind. Electrical indicating system and apparatus. 2,139,440; Dec. 6.

Boeing Aircraft Company. (See Castle, W. L., and Hedberg, assignors.)

Böhme, Joachim, Berlin-Schoneberg, and S. Link, Berlin-Charlottenburg, assignors to Siemens & Halske, Aktiengesellschaft Siemensstadt, near Berlin, Germany. High-frequency system. 2,138,953; Dec. 6.

Boland, Clair L. (See Curtis, R. G., and Boland.)

Boles, Chalmers B., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,139,110; Dec. 6.

Bolkcom, Harry G., Minneapolis, Minn. Plow point attachment. 2,139,486; Dec. 6.

Bone, Hugh M. (See Williams, R. C., and Bone.)

Booth, George W., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Method and apparatus for applying closures. 2,139,572; Dec. 6.

Booth, George W., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Combined capping and printing machine. 2,139,573; Dec. 6.

Borda, Pasquale, Brooklyn, N. Y. Last. 2,138,902; Dec 6.

Borden, Roy. (See Ledger, W., and Borden.)

Bosch, Robert, Gesellschaft mit beschränkter Haftung. (See Mall, E., and Dorn, assignors.)

Bosch, Robert, Gesellschaft mit beschränkter Haftung. (See Sträb, H., Reger, and Dorn, assignors.)

Boswau, Hans P., Galion, Ohio, assignor to The North Electric Mfg. Company. Supervisory control system. 2,139,352; Dec. 6.

Boulmys, Aleidus G., assignor to American Enka Corporation, Enka, N. C. Manufacture of artificial silk hose. 2,138,954; Dec. 6.

Bourdon, Pierre M., Paris, assignor to Michelin et Cie, Clemont-Ferrand, France. Transfer sheet for decorating rubber. 2,139,068; Dec. 6.

Bousquet, Euclid W., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Parasiticidal composition. 2,139,256; Dec. 6.

Bouwers, Albert, assignor to N. V. Phillips' Gloeilampenfabrieken, Eindhoven, Netherlands. Electric discharge tube. 2,139,487; Dec. 6.

Bowers, Roy L. (See Lauer, C. J., and Bowers.)

Bradford, Frederick H., La Grange, Ill. Feed water control. 2,138,903; Dec. 6.

Bradley, Guy H. (See Klopsch, O. Z., and Bradley.)

Bradley, Guy H., Royal Oak, and G. E. Clifford, assignors to Wolverine Tube Company, Detroit, Mich. Plug for drawing tubes. 2,139,539; Dec. 6.

Bradley, John J., Cranford, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Submerged centrifugal pump. 2,138,997; Dec. 6.

Bradshaw, Robert S., et al. (See Jacobson, James H., assignor.)

Braminer, Frederick G., North Olmstead, Ohio. Protection from marine parasites. 2,138,831; Dec. 6.

Brand, William T., Mitchell, Nebr. Honey uncapping machine. 2,139,298; Dec. 6.

Brandt, William A., assignor to D. C. Shepard, St. Paul, Minn. Container. 2,139,326; Dec. 6.

Braun, Carl, Inc. (See Williams, Lester J., assignor.)

Bressler, Robert E., assignor to Kol-Master Corporation, Oregon, Ill. Blower fan impeller. 2,138,814; Dec. 6.

Brett, George F., London, and G. M. Wright, Essex, England, assignors to Radio Corporation of America. Signal receiver circuit. 2,139,438; Dec. 6.

Brockstedt, Theophile E., San Francisco, Calif., assignor to The Washington Institute of Technology, Inc. Radio apparatus and method. 2,139,057; Dec. 6.

Bronander, Wilhelm B., Montclair, N. J. Driving mechanism. 2,139,221; Dec. 6.

Brong, Paul. (See Stolte, C. L., and Brong.)

Brooks, Ltd. (See Rebois, Leon V., assignor.)

Brosius, John P., Pittsburgh, Pa. Burner unit. 2,138,998; Dec. 6.

Brouse, William H. D., assignor to International Metal Industries Limited, Toronto, Ontario, Canada. Sight gauge for liquid dispensing pumps. 2,139,148; Dec. 6.

Brower, Paul V., Maywood, Ill., assignor to Ditto, Incorporated. Material for transfer processes. 2,138,836; Dec. 6.

Brown, Arthur B., Hammond, Ind., and F. F. Diwoky, assignors to Standard Oil Company, Chicago, Ill. Extraction of oils with improved solvents. 2,138,832; Dec. 6.

Brown, Arthur B., Hammond, Ind., and F. F. Diwoky, assignors to Standard Oil Company, Chicago, Ill. Extracting oils. 2,138,833; Dec. 6.

Brown, Arthur B., Hammond, Ind., and F. F. Diwoky, assignors to Standard Oil Company, Chicago, Ill. Treating oils. 2,138,834; Dec. 6.

Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Loom parallel. 2,139,439; Dec. 6.

Brown, Charles C., administrator. (See Brown, Spencer M.)

Brown, Spencer M., deceased, by C. C. Brown, administrator, Los Angeles, Calif. Interchanging sign. 2,139,149; Dec. 6.

Bruce, William M., Mount Holly, N. J., and R. Riley, Long Island City, assignors to The Permutit Company, New York, N. Y. Altered glauconite and method of altering. 2,139,299; Dec. 6.

Bruder, Peter P., Wauwatosa, Wis. Electric lawn edge trimmer. 2,139,353; Dec. 6.

Bruns, Clarence H., Madison, Wis. Electric door lock for automobiles. 2,139,183; Dec. 6.

Buckeye Traction Ditcher Company, The. (See Miller, George E., assignor.)

Buffalo Wire Works Co. (See Scheeler, Charles A., assignor.)

Bunting Brass and Bronze Company, The. (See McKercher, D., and Yager, assignors.)

Burnett, Elizabeth L., Boston, Mass. Centering device for typewriting machines. 2,139,257; Dec. 6.

Burns, Thomas, London, England, assignor of one-half to R. L. Cross, Detroit, Mich. Refrigerator. 2,139,184 Dec. 6.

Burroughs Adding Machine Company. (See Muller, Robert L., assignor.)

Bush, C. Abbott, et al. (See Shigley, William W., assignor.)

Bush, E. Daniel, et al. (See Shigley, William W., assignor.)

Butterfield, Louis M., Kittery, Maine. Egg grading machine. 2,139,574; Dec. 6.

Butz, John G., assignor to The Atlantic Refining Company, Philadelphia, Pa. Lubricant. 2,138,835; Dec. 6.

Cadman, Addi B., Beloit, Wis. Electromagnetic friction device. 2,138,837; Dec. 6.

Calco Chemical Company, The. (See Lecher, H. Z., and Pierce, assignors.)

Calfee, Robert K. (See Ritcher, P. O., and Calfee.)

California Spray-Chemical Corporation. (See Volck, William H., assignors.)

Callender's Cable and Construction Company. (See Vincent, Russell S., assignor.)

Calvert, William C., Chicago, Ill., assignor to Wingfoot Corporation, Akron, Ohio. Rubber hydrochloride. 2,139,647; Dec. 6.

Calvin, Edwin, Akron, Ohio. Footwear. 2,138,955; Dec. 6.

Carborundum Company, The. (See Benner, R. C., and de Leeuw, assignors.)

Carborundum Company, The. (See Robie, Norman P., assignor.)

Carnarius, Edwin H., and W. N. McCutchan, Peoria, Ill., assignors to Commercial Solvents Corporation, Terre Haute, Ind. Production of butyl alcohol by fermentation. 2,139,111; Dec. 6.

Carr, Raymond L., Boston, Mass. Window arrangement. 2,138,838; Dec. 6.

Carr, Raymond L., Boston, Mass. Vehicle body. 2,139,258; Dec. 6.

Carswell, Frank L., Kansas City, Mo. Road surface treating machine. 2,138,904; Dec. 6.

Carter Carburetor Corporation. (See Coffey, Irven E., assignor.)

Carter Carburetor Corporation. (See Mollberg, Byron, assignor.)

Carter Carburetor Corporation. (See Schweiss, Joseph, assignor.)

Cary, Beecher B., assignor to Hayes Industries, Inc., Jackson, Mich. Fan assembly. 2,139,630; Dec. 6.

Cassell, Leonard E., and D. B. Massie, Clay Center, Nebr. Yardage measuring device for football games. 2,139,300; Dec. 6.

Castle, William L., and W. O. Hedberg, assignors to Boeing Aircraft Company, Seattle, Wash. Sheet metal bending machine. 2,139,354; Dec. 6.

Catranis, John G., assignor to The Lamson Company, Syracuse, N. Y. Blower. 2,139,112; Dec. 6.

Celanese Corporation of America. (See Finlayson, D., and Perry, assignors.)

Celanese Corporation of America. (See Whitehead, William, assignor.)

Celanese Corporation of America. (See Moss, William H., assignor.)

Central Specialty Company. (See Lonskey, John H., assignor.)

Chambers, Cal C., et al. (See Jacobson, James H., assignor.)

Chambers, Leslie A., Brookline, Mass., assignor to W. H. Ashton, Edgemont, Pa. Destroying bacteria in liquids. 2,138,839; Dec. 6.

Chambers, Walter H., Stoneham, Mass. Gun. 2,139,648; Dec. 6.

Chambersburg Engineering Company. (See Macconochie, Arthur F., assignor.)

Chemical Foundation, Incorporated, The. (See Osterberg, Arnold E., assignor.)

Chemische Fabriken Dr. Joachim Wiernik & Co., Aktiengesellschaft. (See Heilner, Gustav., assignor.)

Chicago Carton Company. (See Johnson, Edward W., assignor.)

Chilton Pen Company, The. (See Sypher, Milford G., assignor.)

Cicin, Paul, Vienna, Austria. Roller sluice bearing structure. 2,139,488; Dec. 6.

Cincinnati Milling Machine Company, The. (See Romaine, M., and Roehm, assignors.)

Clark, Wilmer W., Spokane, Wash. Vacuum lift device. 2,138,999; Dec. 6.

Clarke, Douglas C., Mountain Lakes, N. J., assignor to E. A. Self, New York, N. Y. Refrigerator. 2,139,441; Dec. 6.

Clason, Ragnar, Flint, assignor to General Motors Corporation, Detroit, Mich. Combined pressure gauge and telltale signal. 2,139,327; Dec. 6.

Clausing, George, assignor to Vulcan Corporation, Portsmouth, Ohio. Remodeling lasts. 2,139,442; Dec. 6.

Cleveland Crane and Engineering Company, The. (See Forker, James B., Jr., assignor.)

Cleveland Trust Company, The, trustee. (See Jardine, Frank, assignor.)

Clifford, George E. (See Bradley, G. H., and Clifford.)

Cline, Thaddeus E., and R. E. Tipton, Denver, Colo. Motor mounting for pumps. 2,139,113; Dec. 6.

Cobden, Philip E., et al. (See Kauffman, Jacob E., assignor.)

Cockrell, William D., Schenectady, N. Y., assignor to General Electric Company. Frequency responsive relay. 2,139,489; Dec. 6.

Coffey, Irven E., assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor device. 2,139,355; Dec. 6.
Coffey, Irven E., assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor structure. 2,139,356; Dec. 6.
Coggans, Joseph, and R. Kelso, Glasgow, Scotland. Hair curler. 2,138,905; Dec. 6.
Cohen, Charles A., Elizabeth, N. J., assignor to Standard Oil Development Company. Solvent extraction of olefines and diolefines from petroleum. 2,139,000; Dec. 6.
Cole, Blanche B., Chanute, Kans. Scalp cooling device. 2,139,001; Dec. 6.
Cole, Lyndon C., assignor to General Machinery Corporation, Hamilton, Ohio. Machine tool. 2,139,402; Dec. 6.
Cole, Lyndon C., assignor to General Machinery Corporation, Hamilton, Ohio. Machine tool. 2,139,403; Dec. 6.
Cole, Robert M., Bryn Athyn, Pa. Production of litharge from lead and sodium nitrate. 2,139,002; Dec. 6.
Cole, Robert M., Bryn Athyn, Pa. Conversion of spent battery plate powders into litharge. 2,139,069; Dec. 6.
Colegrove, Charles E. (See Toskey, C. M., Feeney, and Colegrove.)
Coleman, Frank, Jr., Toronto, Ontario, Canada. Closure for collapsible tubes. 2,138,956; Dec. 6.
Colgate-Palmolive-Peet Company. (See Ittner, Martin H., assignor.)
Collins, Jefferson M., Richmond, Va. Garment hanger. 2,138,957; Dec. 6.
Collins, John, Mound, and S. M. Wright, Wayzata, Minn. Snow plow attachment. 2,139,328; Dec. 6.
Collins, Milford E., Collingswood, N. J., assignor to Radio Corporation of America. Focusing device. 2,139,222; Dec. 6.
Colonial Radio Corporation. (See Cutting, F., and Gates, assignors.)
Colonial Radio Corporation. (See Forbes, Henry C., assignor.)
Columbian Carbon Company. (See Hunter, Howard J., assignor.)
Columbian Vise & Manufacturing Company, The. (See Tramsak, John, assignor.)
Commercial Solvents Corporation. (See Arzberger, Cornelius F., assignor.)
Commercial Solvents Corporation. (See Carnarius, E. H., and McCutchan, assignors.)
Cooke, William T. (See Moseley, F. L., Cooke, and Frische.)
Cooke, William T., Pelham Manor, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Remote control system. 2,139,490; Dec. 6.
Corbett, Alfred, Irwin, and J. M. G. Fullman, Sewickley, Pa., assignors to National Electric Products Corporation. Cable connecter. 2,139,259; Dec. 6.
Corbett, Harvey W., New York, N. Y., and H. Hasenburger, East Orange, N. J., assignors to Prebilt Housing Corporation, Columbus, Ohio. Prefabricated building construction. 2,138,958; Dec. 6.
Cork, Edward C., Ealing, and J. L. Pawsey, Hillingdon, assignors to Electric & Musical Industries, Limited, Hayes, England. Feeder and the like for electric currents of high frequency. 2,138,906; Dec. 6.
Coro-Gram, Inc. (See Bangs, Ralph C., assignor.)
Cotton Products Co. (See Sibille, John, assignor.)
Cottrell, C. B., & Sons Company. (See Meyer, Joseph E., assignor.)
Crane Co. (See Flodin, Victor E., assignor.)
Crane Co. (See Frederickson, Edward A., assignor.)
Crane, Joshua, Boston, Mass. Collapsible container from which pasty materials are adapted to be extruded. 2,139,575; Dec. 6.
Craymer, Henry J., Chelmsford, England, assignor to Radio Corporation of America. Variable inductance. 2,139,443; Dec. 6.
Crocker First National Bank of San Francisco. (See Moseley, Tomlinson I., assignor.)
Crown Cork & Seal Company. (See Booth, George W., assignor.)
Crompton & Knowles Loom Works. (See Jennings, Victor H., assignor.)
Crompton & Knowles Loom Works. (See Turner, Richard G., assignor.)
Cross, Ralph L. (See Burns, Thomas, assignor.)
Cullomer, Frank J. (See Emanuel, Victor, assignor.)
Cuozzo, Michele, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of shoes and insoles therefor. 2,139,260; Dec. 6.
Curtis, Rolland G., and C. L. Boland, Flint, Mich. Display board. 2,139,150; Dec. 6.
Curtiss-Wright Corporation. (See Kearney, Norman L., assignor.)
Cutting, Fulton, and H. A. Gates, assignors to Colonial Radio Corporation, Buffalo, N. Y. Cabinet construction for radio receivers. 2,138,959; Dec. 6.
Dahlstrand, Hans P., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Turbine system. 2,139,357; Dec. 6.
D'Amato, Constantine, New York, N. Y. Sanitary seat cover. 2,139,003; Dec. 6.
Davey, Arthur N., Melbourne, Victoria, Australia. Automatic clutch and variable transmission gear. 2,139,301; Dec. 6.
Davey, George W., Worcester, Mass. Furnace construction. 2,139,004; Dec. 6.
Davies, Gomer L. (See Wintermute, G. H., and Davies.)
Davies, Gomer L., Cleveland, Ohio, and W. H. Orton, assignors to Washington Institute of Technology, Washington, D. C. Radio direction finder. 2,139,058; Dec. 6.
Davis, Earl G. (See Hubbard, H. C., and Davis.)
Davis, George B., Jr., Washington, D. C. Refrigerator freezer attachment. 2,139,576; Dec. 6.
Davis, Harold S., Belmont, Mass., assignor, by mesne assignments, to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Apparatus for measuring inclinations. 2,139,444; Dec. 6.
Dawson, Isaac L., Lawrence, Kans. Flue stop and fire check. 2,139,491; Dec. 6.
Day and Zimmermann, Incorporated. (See Badenhausen, John P., assignor.)
Deaver, Benjamin F., Breckenridge, Tex. Adjustable automatic self-releasing hitch. 2,139,577; Dec. 6.
De Boer, Jan H., and W. C. van Geel, Eindhoven, Netherlands, assignors to Radio Corporation of America. Photoelectric device. 2,139,223; Dec. 6.
De Booys, Jacob, Breda, Netherlands, assignor to American Enka Corporation, Enka, N. C. Manufacture of viscose. 2,139,302; Dec. 6.
De Cew, Judson A., Mt. Vernon, N. Y. Preparation of alum solution for paper sizing. 2,138,840; Dec. 6.
Deere & Company. (See Silver, Walter H., assignor.)
De Jong, Henry W. (See Engs, W., de Jong, and Tamele.)
De Laval Separator Company, The. (See Hulbert, John L., assignor.)
De Leeuw, Peter. (See Benner, R. C., and de Leeuw.)
Demers, Isaié J. B., St. Paul, Minn., assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa. Device for removing molten metal. 2,139,114; Dec. 6.
Demme, Ernst. (See Elöd, E., and Demme.)
Den Besten, Gerrit, Corsica, S. Dak., assignor of one-fourth to Liverance & Van Antwerp, Grand Rapids, Mich. Tractor stop hitch. 2,138,841; Dec. 6.
Derby, William V., assignor to The General Vending Service Co., Baltimore, Md. Vending machine. 2,139,578; Dec. 6.
Deremer, Floyd E., Detroit, Mich. Silencer construction. 2,139,151; Dec. 6.
Detroit Lubricator Company. (See Dillman, Earnest J., assignor.)
Detroit Lubricator Company. (See Foulds, Andrew K., assignor.)
Dewitt, Jeffery, Insulator Company. (See McLachlan, Alexander, assignor.)
Dier, Paul C., Milwaukee, Wis. Protection enclosure. 2,139,579; Dec. 6.
Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Heating apparatus and control means therefor. 2,139,615; Dec. 6.
Dinwiddie, Joseph G., Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Method and apparatus for drying. 2,139,445; Dec. 6.
Ditto, Incorporated. (See Brower, Paul V., assignor.)
Diwoky, Fred F. (See Brown, A. B., and Diwoky.)
Dixon, Robert, et al. (See Hey, E., and Hunsicker, assignors.)
Dixie Vortex Company. (See Bares, Rudolph, assignor.)
Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Lighting fixture screen. 2,139,005; Dec. 6.
Dobbins, Donald C., Champaign, Ill. Railway car wheel. 2,139,070; Dec. 6.
Dobson, Frank S., Lincoln, Nebr. Wheeled scraper. 2,139,261; Dec. 6.
Doisy, Edward A., Webster Groves, and P. A. Katzman, St. Louis, assignors to President and Board of Trustees of St. Louis University, St. Louis, Mo. Obtaining hormone substance. 2,139,540; Dec. 6.
Dopyera, Rudolph, Los Angeles, Calif. Stringed musical instrument. 2,138,907; Dec. 6.
Dorn, Walter. (See Mall, E., and Dorn.)
Dorn, Walter. (See Sträb, H., Reger, and Dorn.)
Douden, William L., Philadelphia, Pa., assignor to Radio Corporation of America. Developing motion picture films. 2,139,224; Dec. 6.
Douglas, Frederic E., assignor to Draper Corporation, Hopedale, Mass. Lug strap. 2,139,446; Dec. 6.
Douthitt, Frank W., Ortonville, Minn. Ear corn steamer. 2,138,908; Dec. 6.
Draper Corporation. (See Brown, Carl D., assignor.)
Draper Corporation. (See Douglas, Frederic E., assignor.)
Draper Corporation. (See Noyes, Ira W., assignor.)
Draper, Luther O., and E. F. Pidgeon, Spiceland, Ind. Window shade support. 2,139,580; Dec. 6.
Dresch, Israel J., Toledo, and G. S. Weith, Caldwell, N. J., assignors to Bakelite Dental Products, Inc., New York, N. Y. Foiling method. 2,139,631; Dec. 6.
Drew, Mitchell N., Quincy, Fla. Pole setting device. 2,138,842; Dec. 6.
Du Pont, E. I., de Nemours & Company. (See Biswell, C. B., and Wirth, assignors.)
Du Pont, E. I., de Nemours & Company. (See Bousquet, Euclid W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Bradley, John J., assignor.)
Du Pont, E. I., de Nemours & Company. (See Dinwiddie, Joseph G., assignor.)
Du Pont, E. I., de Nemours & Company. (See Ensminger, George R., assignor.)

Du Pont, E. I., de Nemours & Company. (See Grace, W. T., and Ristau, assignors.)
Du Pont, E. I., de Nemours & Company. (See Hucks, Robert T., assignor.)
Du Pont, E. I., de Nemours & Company. (See Karns, George M., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lenher, S., and Arnold, assignors.)
Dupuis, Noël, Seattle, Wash. Spring lock bolt. 2,138,843; Dec. 6.
Dürkoppwerke Aktiengesellschaft. (See Pudelko, Hermann, assignor.)
Durst, Irving F., Great Neck, S. J. Begun, and H. Barnett, assignors, by mesne assignments, to C. Tucker, New York, N. Y. Public address system. 2,139,006; Dec. 6.
Dwyer, William M., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 2,139,007; Dec. 6.
Easling, Newton P., Pekin, Ill. Termite repellent. 2,139,225; Dec. 6.
Eastman Kodak Company. (See Smith, H. B., and Swan, assignors.)
Eaton Manufacturing Company. (See Russell, Robert C., assignor.)
Eberly, Pearl L., Denver, Colo. Massage vibrator. 2,138,815; Dec. 6.
Ebinger, Andreas, Berlin-Siemensstadt, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Electric condenser. 2,139,447; Dec. 6.
Eclipse Aviation Corporation. (See McNeil, Charles I., assignor.)
Econo Products, Inc. (See Wilson, Sidney C., assignor.)
Economy Faucet Co. (See Picut, Frederick C., assignor.)
Edlund, Karl R. (See Evans, T., and Edlund.)
Eichel, Frank A., New York, N. Y. Furniture. 2,139,071; Dec. 6.
Electric & Musical Industries Limited. (See Blumblein, Alan D., assignor.)
Electric & Musical Industries Limited. (See Cork, E. C., and Pawsey, assignors.)
Electric and Musical Industries, Ltd. (See Klemperer, Otto, assignor.)
Electro-Acoustic Products Company. (See Freimann, Frank, assignor.)
Elöd, Egon, Karlsruhe, and E. Demme, assignors to firm Carl Freudenberg G. m. b. H., Weinheim, Germany. Process for the manufacture of waterproof shaped products. 2,138,909; Dec. 6.
Emanuel, Victor, assignor of one-half to F. J. Cullomer, Chicago, Ill. Toaster. 2,138,910; Dec. 6.
Engel, Ernst, assignor to Alfred Teves Maschinen und Armaturenfabik Gesellschaft m. b. H., Frankfort-on-the-Main, Germany. Pressure actuated piston lock release. 2,139,185; Dec. 6.
Engs, William. (See Fairbairn, A. W., and Engs.)
Engs, William, Oakland, H. W. de Jong, Berkeley, and M. W. Tamele, Oakland, assignors to Shell Development Company, San Francisco, Calif. Producing unsaturated alcohols. 2,139,115; Dec. 6.
Ensminger, George R., New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition. 2,139,008; Dec. 6.
Epiphone, Inc. (See Aiala, Rocco, assignor.)
Erb, George C., Forest Hills West, assignor to American Can Company, New York, N. Y. Liquid dispenser. 2,138,844; Dec. 6.
Erickson, Clarence N., Glendale, Calif. Combined resuscitator and inhalator. 2,138,845; Dec. 6.
Ericson, Richard, assignor to Universal Insulation Company, Chicago, Ill. Vermiculite ore treatment. 2,139,358; Dec. 6.
"Ergavia S. A." (See Wagner, Georges E., assignor.)
Estate Stove Company, The. (See Kahn, Bertrand B., assignor.)
Euwer, Herbert D., St. Louis, Mo., assignor to American Car and Foundry Company, New York, N. Y. Reversible flow air conditioning system. 2,139,262; Dec. 6.
Evans, Merlin H., and C. H. Sayre, assignors to Trayer Products Incorporated, Elmira, N. Y. Brake pedal depressor. 2,138,911; Dec. 6.
Evans, Sidney J., Cleveland, Ohio. Chemical receptacle for attachment to garment hangers. 2,139,404; Dec. 6.
Evans, Theodore, Martinez, and K. R. Edlund, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Mixed tertiary ethers. 2,139,359; Dec. 6.
Excel Curtain Company. (See Holt, T. W., and Levan, assignors.)
Fairall Color Corporation. (See Fairall, Harry K., assignor.)
Fairall, Harry K., Hollywood, Calif., assignor to Fairall Color Corporation. Color motion picture producing apparatus. 2,138,846; Dec. 6.
Fairbairn, Alasdair W., and W. Engs, Oakland, assignors to Shell Development Company, San Francisco, Calif. Production of unsaturated ketones. 2,139,360; Dec. 6.
Farm Tools, Inc. (See Warne, Frederick C., assignor.)
Farnsworth, Harold L., Lunenburg, assignor to Fosgood Corporation, Leominster, Mass. Ornamental band and making same. 2,139,541; Dec. 6.
Fay, Carl F., Davenport, Iowa. Foot-treatment device. 2,139,263; Dec. 6.
Feeney, John D. (See Toskey, C. M., Feeney, and Colegrove.)
Felix, Otto. (See Ralston, H. D., and Felix.)
Felix, Otto, assignor to Sears, Roebuck and Co., Chicago, Ill. Hinge for loose-leaf catalogues or the like. 2,138,847; Dec. 6.
Feller, Albert L. (See Getty, Ralph J., assignor.)
Fellows Gear Shaper Company, The. (See Slomer, William F., assignor.)
Fernsch Aktiengesellschaft. (See Heimann, Walter, assignor.)
Fessler, Charles T., assignor to General Motors Corporation, Detroit, Mich. Weather strip. 2,139,329; Dec. 6.
Fiddyment, John C., Lockport, Ill. Nutcracker. 2,139,264; Dec. 6.
Fidelman, Paul, New York, N. Y. Coloring photographs, prints, lantern slides, positive transparencies, and the like. 2,139,492; Dec. 6.
Field, Burr D., Freeport, N. Y. Boat game indicator. 2,139,493; Dec. 6.
Filtrol Company of California. (See Hutchins, G. H., and Hartigan, assignors.)
Finlayson, Donald, and R. G. Perry, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of textile materials. 2,139,542; Dec. 6.
Finlayson, Donald, and R. G. Perry, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production of crimped artificial filaments, fibers, and the like. 2,139,543; Dec. 6.
Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for applying soles to shoes. 2,138,960; Dec. 6.
First National Bank of Birmingham, The. (See Terwilliger, Charles O., assignor.)
Fisher, Lawrence E. (See Frank, W. H., and Fisher.)
Fisher, Lawrence E., and W. H. Frank, Detroit, Mich. Electric switch. 2,139,072; Dec. 6.
Fleming, Clifford D., assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Apron for flatwork ironers. 2,139,544; Dec. 6.
Flodin, Victor E., Oak Park, assignor to Crane Co., Chicago, Ill. Rotary valve operating mechanism. 2,139,632; Dec. 6.
Floyd-Wells Company, The. (See Schneider, Frank H., assignor.)
Foley, John P., Lorain, Ohio, assignor to National Tube Company. Checkerwork for hot-blast stoves. 2,139,073; Dec. 6.
Food Machinery Corporation. (See Twomley, Herbert E., assignor.)
Forbes, Elizabeth C., Baltimore, Md. Coffee-chocolate sirup concentrate. 2,139,304; Dec. 6.
Forbes, Henry C., assignor to Colonial Radio Corporation, Buffalo, N. Y. Motor vehicle antenna system. 2,138,961; Dec. 6.
Ford, Wesley H., and L. G. Walton, Salt Lake City, Utah. Seed display rack. 2,139,009; Dec. 6.
Forker, James B., Jr., Cleveland, assignor, by mesne assignments, to The Cleveland Crane and Engineering Company, Wickliffe, Ohio. Switch. 2,138,962; Dec. 6.
Fosgood Corporation. (See Farnsworth, Harold I., assignor.)
Foss, Clifton T., Stewart Manor, assignor to Arma Engineering Co., Inc., Brooklyn, N. Y. Synchronous control device. 2,138,912; Dec. 6.
Foster, Boutwell H., Maplewood, N. J., assignor to United States Rubber Products, Inc., New York, N. Y. Method and apparatus for treating textile fibers and for making elastic yarn. 2,139,320; Dec. 6.
Fotsch, William G., assignor to Reliable Electric Co., Chicago, Ill. Automatic line splice. 2,138,913; Dec. 6.
Foulds, Andrew K., Grosse Pointe Park, assignor to Detroit Lubricator Company, Detroit, Mich. Control device. 2,139,616; Dec. 6.
Frank, William H. (See Fisher, L. E., and Frank.)
Frank, William H., and L. E. Fisher, Detroit, Mich. Contact set. 2,139,074; Dec. 6.
Franklin Rayon Corporation. (See Little, Royal, assignor.)
Franks, James B., Jr., assignor to A. R. McCown, Philadelphia, Pa., trustee. Foot control device. 2,139,010; Dec. 6.
Franks, Russell. (See Becket, F. M., and Franks.)
Frederickson, Clayton E., Chicago, Ill. Differential mechanism. 2,139,405; Dec. 6.
Fredrickson, Edward A., assignor to Crane Co., Chicago, Ill. Stopper for use in the conventional manner with lavatories, bathtubs, and the like. 2,139,361; Dec. 6.
Freimann, Frank, assignor to Electro-Acoustic Products Company, Fort Wayne, Ind. Combined sound and picture reproducing apparatus. 2,139,152; Dec. 6.
Freudenberg, Carl, G. m. b. H. (See Elöd, E., and Demme, assignors.)
Frey, Henry, assignor of one-third to J. H. Goulet, Oakland, and one-third to R. D. Williams, Alameda, Calif. Rack for neckties and the like. 2,138,914; Dec. 6.
Fried. Krupp Grusonwerk Aktiengesellschaft. (See Linke, Hans G., assignor.)
Friend, Eusta, Marysville, Wash. Corset. 2,139,305; Dec. 6.
Frische, Carl A. (See Moseley, F. L., Cooke, and Frische.)
Frolich, Lill K., Louisville, Nebr. Plate warming table pad. 2,139,153; Dec. 6.
Frostad, George O. (See Hanson, R. E., and Frostad.)

Fuehrer, George H., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Rock drill. 2,138,915; Dec. 6.

Fuehrer, George H., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Water connection. 2,139,226; Dec. 6.

Fullman, James M. G. (See Corbett, A., and Fullman.)

Furness, William H., assignor to American Rayon Company, Inc., Riverton, N. J. Apparatus for producing steel cables. 2,139,011; Dec. 6.

Gaess, Helmuth J., assignor to T. E. Gaess, Palisade, N. J. Cigarette case. 2,138,916; Dec. 6.

Gaess, Theodore E. (See Gaess, Helmuth J., assignor.)

Gaffney, Clifford, Springfield, Ill. Treating surfaces. 2,139,306; Dec. 6.

Gallagher, Patrick J. F., Marlborough, N. Y. Headlight. 2,139,186; Dec. 6.

Gallett, Paul, Chicago, Ill. Brace. 2,139,187; Dec. 6.

Galloway, Clarence T., assignor to Gleason Works, Rochester, N. Y. Gear cutting machine. 2,139,154; Dec. 6.

Gambrell, Ernest C., Wichita Falls, Tex. Fuel injection pump. 2,138,849; Dec. 6.

Gammeter, John R., Akron, Ohio. Dipped rubber article and making the same. 2,139,545; Dec. 6.

Gannett, Danforth K., Jackson Heights, N. Y., assignor to American Telephone and Telegraph Company. Level compensator for telegraph systems. 2,138,963; Dec. 6.

Gano, Harlan S., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,139,265; Dec. 6.

Gantvoort, John M., deceased, Bronxville, Manor, N. Y.; P. J. Miller, administrator. Baker's oven. 2,139,448; Dec. 6.

Garnier, Désiré T. A., Hautvilliers, France. Locking means for interthreaded elements. 2,138,850; Dec. 6.

Gates, Howard A. (See Cutting, F., and Gates.)

Gates, Major E., Crystal Lake, Ill. Tunnel kiln. 2,138,851; Dec. 6.

Gates, Paul G., Long Beach, Calif. Bailer. 2,139,075; Dec. 6.

Gates, Paul G., Long Beach, Calif. Freeing and recovering pipe from wells. 2,139,076; Dec. 6.

Gaylor, Peter J. (See Wiezevich, Peter J.)

Geigy, J. R., S. A. (See Iselin, M., and Bindler, assignors.)

Geist, William J., Maplewood, Mo. Closure for containers. 2,139,116; Dec. 6.

General Aniline Works, Inc. (See Greune, H., Sturm, and Reuter, assignors.)

General Aniline Works, Inc. (See Greune, H., Thiele, and Langbein, assignors.)

General Aniline Works, Inc. (See Schmidt, Karl, assignor.)

General Aniline Works, Inc. (See Schubert, Friedrich, assignor.)

General Electric Company. (See Cockrell, William D., assignor.)

General Electric Company. (See Gray, William T., assignor.)

General Electric Company. (See King, William J., assignor.)

General Electric Company. (See Marcellus, Frederick S., assignor.)

General Electric Company. (See Schmitt, Richard H., assignor.)

General Electric Company. (See Shepherd, Thomas C. R., assignor.)

General Electric Company. (See Stansel, Numan R., assignor.)

General Electric Company. (See Young, William R., assignor.)

General Fireproofing Company, The. (See Powell, Dwight, assignor.)

General Machinery Corporation. (See Cole, Lyndon C., assignor.)

General Motors Corporation. (See Babitch, A. M., and Harry, assignors.)

General Motors Corporation. (See Boles, Chalmers B., assignor.)

General Motors Corporation. (See Clason, Ragnar, assignor.)

General Motors Corporation. (See Fessler, Charles T., assignor.)

General Motors Corporation. (See Halbleib, E. A., Rohr, and Wallis, assignors.)

General Motors Corporation. (See Lauer, C. J., and Bowers, assignors.)

General Motors Corporation. (See Lee, John W., assignor.)

General Motors Corporation. (See McKinley, C. W., and Lauer, assignors.)

General Motors Corporation. (See Michel, C. A., and Mead, assignors.)

General Motors Corporation. (See Schamehorn, Arthur J., assignor.)

General Motors Corporation. (See Schwarze, Bruce H., assignor.)

General Motors Corporation. (See Schwartze, B. H., and Bigler, assignors.)

General Motors Corporation. (See Schweller, Edmund F., assignor.)

General Motors Corporation. (See Smith, Hugh R., assignor.)

General Motors Corporation. (See Walker, Nelson, assignor.)

General Osmose Corporation. (See Schmittutz, Carl, assignor.)

General Railway Signal Company. (See Hailes, William D., assignor.)

General Railway Signal Company. (See Judge, Thomas J., assignor.)

General Railway Signal Company. (See Phinney, Robert M., assignor.)

General Railway Signal Company. (See Powell, Winfred T., assignor.)

General Railway Signal Company. (See Preston, Neil D., assignor.)

General Vending Service Co., The. (See Derby, William V., assignor.)

Geo-Frequenta Corporation. (See Potapenko, Gennady, assignor.)

Germandt, Waldo G., Berkeley, Calif. Fuel injection system. 2,139,155; Dec. 6.

Getty, Ralph J., Pittsburgh, assignor of one-half to A. L. Feller, Castle Shannon, Pa. Apparatus for manufacturing pottery articles. 2,139,362; Dec. 6.

Giles, Dora T., executrix. (See Giles, Henry H.)

Giles, Henry H., deceased, Lincoln Place, Pa.; D. T. Giles, executrix. Polishing or grinding roll. 2,139,406; Dec. 6.

Gill, Leroy G., Detroit, Mich. Detachable screen for automobiles. 2,139,156; Dec. 6.

Gillen, George A., New York, N. Y. Electrical machine. 2,139,012; Dec. 6.

Gillette, Elmon G., et al. (See Nagorny, Boris A., assignor.)

Gilson, Robert M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Battery charging apparatus. 2,139,330; Dec. 6.

Girardin, Louis, Paris, France, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Device for the repetition of signals on a vehicle. 2,139,157; Dec. 6.

Gitzendanner, Louis, Richmond Hill, N. Y. Thermostatic mixing valve. 2,138,852; Dec. 6.

Gitzendanner, Louis, Richmond Hill, N. Y. Thermostatic mixing valve. 2,138,853; Dec. 6.

Gleason Works. (See Galloway, Clarence T., assignor.)

Glover, John, Chicago, Ill., assignor, by mesne assignments, to Midway Chemical Co., Jersey City, N. J. Powder dispensing can. 2,139,158; Dec. 6.

Goetz, Paul C., Mount Holly, N. J., assignor to The Permutit Company, New York, N. Y. Removing fluorides from water. 2,139,227; Dec. 6.

Gohorel, Fernand P., Paris, France, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Delayed signaling system. 2,139,117; Dec. 6.

Goodrich, B. F., Company, The. (See Jones, Paul C., assignor.)

Goserud, Chester O., St. Paul, Minn. Sash fastener. 2,139,331; Dec. 6.

Gothe, Albrecht. (See Berndt, W., and Gothe.)

Goulet, Jules H., et al. (See Frey, Henry, assignor.)

Governale, Joseph J., Chicago, Ill. Book stitcher. 2,139,118; Dec. 6.

Grace, Worthington T., Willoughby, and A. H. Ristau, Cleveland, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Pigments. 2,139,013; Dec. 6.

Graham, Walter M., Berkeley, and F. B. Benzon, Oakland, Calif. Truss structure. 2,139,363; Dec. 6.

Graham-Paige Motors Corporation. (See Kishline, Floyd F., assignor.)

Gray, Allen, Oil City, Pa., assignor to Oil Well Supply Company, Dallas, Tex. Making drilling jars. 2,139,077; Dec. 6.

Gray, William. (See Alvarado, Don J., Jr., assignor.)

Gray, William T., Altrincham, England, assignor to General Electric Company. Electric motor control system. 2,139,494; Dec. 6.

Greig, James W., Grosse Pointe Park, assignor to Hudson Motor Car Company, Detroit, Mich. Ventilating means for vehicle bodies. 2,139,014; Dec. 6.

Greune, Heinrich, and M. Thiele, Frankfort-on-the-Main-Hochst, and G. Langbein, Hofheim in Taunus, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyestuff-sulphonic acid of the dioxazine series. 2,139,617; Dec. 6.

Greune, Heinrich, and E. Sturm, Frankfort-on-the-Main-Hochst, and M. Reuter, Frankfort-on-the-Main-Unterliederbach, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dioxazine sulphonic acids. 2,139,119; Dec. 6.

Groene, William F., assignor to R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Orbital lathe. 2,138,964; Dec. 6.

Groll, Herbert P. A. (See Millar, R. W., and Groll.)

Groll, Herbert P. A., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Alpha-substituted glycerol nitrates. 2,139,364; Dec. 6.

Grün, Adolf, Basel, Switzerland, assignor to American Hyalsol Corporation, Wilmington, Del. Production of high molecular glycols and esters thereof. 2,138,917; Dec. 6.

Grunberg, W., dit Greg, Wsevolode, Paris, France. Watercraft. 2,139,303; Dec. 6.

Grupe, William F., Lyndhurst, assignor to Peerless Roll Leaf Co., Inc., Union City, N. J. Adhesive coated metallic film. 2,138,854; Dec. 6.

Guba, Raymond J., assignor to Audubon Wire Cloth Corporation, Philadelphia, Pa. Wire fabric belt structure. 2,139,495; Dec. 6.

Gump, B. F., Co. (See Rose, William, assignor.)

Gundersen, Daniel T., assignor to The American Rolling Mill Company, Middletown, Ohio. Measuring the magnetic properties of metal shapes of commercial sizes and apparatus therefor. 2,138,965; Dec. 6.

Gurtler, William A., Beaver Falls, Pa. Concrete form. 2,139,078; Dec. 6.

Hafner, Gilbert M., Chicago, Ill., assignor to American Telephone and Telegraph Company. Radio compass system. 2,138,966; Dec. 6.

Hailes, William D., Brighton, assignor to General Railway Signal Company, Rochester, N. Y. Train describer system. 2,138,855; Dec. 6.

Haislip, Albert S., Fredericksburg, Va. Foldable fishing pole holder. 2,139,188; Dec. 6.

Halbleib, Edward A., H. C. Rohr, and C. T. Wallis, Rochester, N. Y., assignors to General Motors Corporation, Detroit, Mich. Frictionally heated time element. 2,139,365; Dec. 6.

Hale, Jackson T., Atlanta, assignor to Automatic Press Appliance Company, Fulton County, Ga. Sheet feeding mechanism. 2,139,228; Dec. 6.

Hall, Edwin S., New Haven, Conn. Mechanism for the interconversion of reciprocation and rotation. 2,139,189; Dec. 6.

Hall, Mora S., Westminster, Md., assignor to May Oil Burner Corporation. Casing for boilers, heater units, and air conditioning units. 2,139,618; Dec. 6.

Haller, Cecil E., Bloomfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Cathode. 2,138,918; Dec. 6.

Hamlin, Marston L., Lynbrook, assignor to The Barrett Company, New York, N. Y. Reversible dutch lap shingle. 2,139,075; Dec. 6.

Hammen, Charles B., East Orange, N. J., assignor to National Blank Book Company, Holyoke, Mass. Loose leaf binder. 2,139,159; Dec. 6.

Handler, Edward, Irvington, N. J. Compensating dental press. 2,139,496; Dec. 6.

Hanley, Edward J., Kingston, N. Y., assignor to Hercules Powder Company, Wilmington, Del. Delay electric blasting cap. 2,139,581; Dec. 6.

Hansen, Andrew. (See Hjelm, Alfred, assignor.)

Hansen, Hans P., Yonkers, N. Y. Steering knob for automobile steering wheels. 2,139,546; Dec. 6.

Hanson, Roy E., Wauwatosa, and G. O. Frostad, assignors to Miliprint Products Corporation, Milwaukee, Wis. Synchronizing ribbon speeds and of producing composite ribbons. 2,139,633; Dec. 6.

Harlan, Howard H., East Moline, Ill., assignor to American Machine & Metals, Inc., New York, N. Y. Washing machine. 2,139,229; Dec. 6.

Harlow, Frederick J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Thermometer well. 2,139,582; Dec. 6.

Harnsberger, William I., Grottoes, Va. Automobile direction signal. 2,139,407; Dec. 6.

Harp, Franklin H., assignor to Frank E. Best, Inc., Seattle, Wash. Lock. 2,138,856; Dec. 6.

Harris, Roy T., assignor of one-half to R. D. Rownd, Syracuse, N. Y. Cooking basket. 2,138,967; Dec. 6.

Harris Textile Machinery Corporation. (See Harris, Thomas, assignor.)

Harris, Thomas, Providence, R. I., assignor to Harris Textile Machinery Corporation. Flier. 2,138,857; Dec. 6.

Harris, Thomas, Providence, R. I., assignor to Harris Textile Machinery Corporation. Pressure mechanism for drafting apparatus. 2,139,016; Dec. 6.

Harrison, Laurence D., Phoenix, Ariz. Two-cycle combustion engine. 2,139,266; Dec. 6.

Harry, Gordon W. (See Babitch, A. M., and Harry.)

Harstad, Ole. (See Ledger, W., and Borden, assignors.)

Hartigan, Arthur W. (See Hutchins, G. H., and Hartigan.)

Hartmann Trunk Company. (See Ritter, Julius, Jr., assignor.)

Haselton, Merton L., Rye, assignor, by mesne assignments, to The Teleregister Corporation, New York, N. Y. Code translator. 2,139,079; Dec. 6.

Hasenburger, Henry. (See Corbett, H. W., and Hasenburger.)

Hashek, John A., assignor to J. Blood, Toronto, Ontario, Canada. Cooking vessel. 2,139,267; Dec. 6.

Hass, Henry B., West Lafayette, and B. M. Vanderbilt, Terre Haute, assignors to Purdue Research Foundation, La Fayette, Ind. Production of nitrohydroxy compounds. 2,139,120; Dec. 6.

Hass, Henry B., West Lafayette, and B. M. Vanderbilt, Terre Haute, assignors to Purdue Research Foundation, La Fayette, Ind. Aliphatic nitroalcohols. 2,139,121; Dec. 6.

Hass, Henry B., West Lafayette, and B. M. Vanderbilt, Terre Haute, assignors to Purdue Research Foundation, La Fayette, Ind. Aliphatic aminoalcohols. 2,139,122; Dec. 6.

Hass, Henry B., West Lafayette, and B. M. Vanderbilt, Terre Haute, assignors to Purdue Research Foundation, La Fayette, Ind. Aminoalcohol. 2,139,123; Dec. 6.

Hass, Henry B., West Lafayette, and B. M. Vanderbilt, Terre Haute, assignors to Purdue Research Foundation, La Fayette, Ind. Aminoalcohols. 2,139,124; Dec. 6.

Hastie, John & Company Limited. (See Riddell, William G., assignor.)

Hatteberg, Ole J., Elliott, Ill. Spout section. 2,138,968; Dec. 6.

Hayes Industries, Inc. (See Cary, Beecher B., assignor.)

Hebeler, Edward S., Williamsville, N. Y. Welding. 2,139,160; Dec. 6.

Heberlein, Georges, Wattwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y. Producing filaments like horsehair. 2,139,017; Dec. 6.

Heberlein Patent Corporation. (See Heberlein, Georges, assignor.)

Hedberg, William O. (See Castle, W. L., and Hedberg.)

Heer, Otto F., Ontario, Calif. Fertilizer drill. 2,139,080; Dec. 6.

Heigis, Henry E., West Orange, assignor to Walter Kidde & Company, Inc., Bloomfield, N. J. Fire extinguisher support. 2,139,634; Dec. 6.

Heilner, Gustav, Berlin-Fichtengrund, Post Friedrichsthal, assignor to the firm Chemische Fabriken Dr. Joachim Wiernik & Co., Aktiengesellschaft, Berlin-Waidmannslust, Germany. Barbituric acids. 2,139,583; Dec. 6.

Heimann, Walter, Berlin-Tempelhof, assignor to the firm Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany. Television scanner cathode. 2,139,018; Dec. 6.

Heising, Raymond A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High efficiency oscillator of the Barkhausen type. 2,139,230; Dec. 6.

Helms, Rudolph H. (See Kales, W. R., Judd, Huebshman, and Helms.)

Henkel & Cie. G. m. b. H. (See Rosenhauer, Erich, assignor.)

Heusel, Franz R., and E. I. Larsen, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Copper alloy. 2,139,497; Dec. 6.

Hentrich, Winfrid, Dusseldorf-Reisholz, and C. A. Lainaf, Dusseldorf, assignors to Henkel & Cie. G. m. b. H., Dusseldorf-Holthausen, Germany. Composition for treating leather, lacquered surfaces, and other materials. 2,139,231; Dec. 6.

Hercules Powder Company. (See Hanley, Edward J., assignor.)

Hercules Powder Company. (See Humphrey, Irvin W., assignor.)

Herman, William P., Providence, R. I. Plug socket construction. 2,138,919; Dec. 6.

Herold, Edward W., Bloomfield, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,139,366; Dec. 6.

Hettrick Manufacturing Company, The. (See Fleming, Clifford D., assignor.)

Heuser, Herman, Evanston, Ill. Manufacturing yeast fermented beverages. 2,139,408; Dec. 6.

Hey, Ernest, Seattle, Wash., and F. H. Hunsicker, Oakland, Calif., assignors of forty-five percent to said Hey, ten percent to said Hunsicker, and forty-five percent to R. Dixon, Oakland, Calif. Separating precious metals from nonprecious metals in metal bearing earth. 2,139,498; Dec. 6.

Hill-Clarke Machinery Co. (See Wigglesworth, Albert W., assignor.)

Hiltbrunner, Arnold, West Engelwood, N. J., assignor to National Sure-Fit Quilting Company, Inc., New York, N. Y. Comforter quilting machine. 2,139,019; Dec. 6.

Hinkel & Cie., G. m. b. H. (See Hentrich, W., and Lainaf, assignors.)

Hixon, Alfred J., Braintree, Mass. Connecting device for electrical conductors. 2,139,125; Dec. 6.

Hjelm, Alfred, Plentywood, assignor of one-half to A. Hansen, Wolf Point, Mont. Cleaning and extracting machine. 2,138,858; Dec. 6.

Hoag, Roderick W., Melrose, Mass. Making folding boxes. 2,139,268; Dec. 6.

Hobbs, Leonard S., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Oil pressure relief valve for internal combustion engines. 2,138,969; Dec. 6.

Hollmann, Hans E., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Secondary emission tube and circuit. 2,138,920; Dec. 6.

Holt, Thomas W., and J. F. Levan, assignors to Excel Curtain Company, Elkhart, Ind. Window construction. 2,138,816; Dec. 6.

Hönel, Herbert, Vienna, Austria, assignor to H. Reichhold, Detroit, Mich. Improving resins and fatty oils. 2,139,081; Dec. 6.

Hoover Company, The. (See Becker, Bernard C., assignor.)

Hotchkiss, E. H., Company, The. (See Wheeler, Lester L., assignor.)

Houde Engineering Corporation. (See Peo, Ralph F., assignor.)

House, Frank R., Baldwin Harbor, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Universal antiaircraft sight. 2,139,635; Dec. 6.

House, Frank R., Baldwin Harbor, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Nocturnal antiaircraft fire control device. 2,139,636; Dec. 6.

Householder, Garrison, South Hadley, and W. V. Shearer, Springfield, assignors to The Beveridge-Marvellum Company, Holyoke, Mass. Decorative paper and making the same. 2,139,269; Dec. 6.

Howell, Henry C., Rahway, N. J., assignor to Barber Asphalt Corporation, Philadelphia, Pa. Production of mineral surfaced roofing. 2,139,619; Dec. 6.
Howie, John W., near Charlotte, assignor of forty per cent to J. J. Pierce, Charlotte, N. C. Soldering and welding tool. 2,139,499; Dec. 6.
Hubbard, Honore C., and E. G. Davis, Rockford, Ill. Amusement device. 2,138,859; Dec. 6.
Hucks, Robert T., South River, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dispersing pigments. 2,138,860; Dec. 6.
Hudson Motor Car Company. (See Greig, James W., assignor.)
Huebshman, Paul. (See Kales, W. R., Judd, Heubshman, and Helms.)
Hughes, George, Lodi, assignor to The Union Ice Company, San Francisco, Calif. Car cooler. 2,139,500; Dec. 6.
Hulbert, John L., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Milking machine pulsator. 2,138,921; Dec. 6.
Hultgren, Arnold P., assignor to Sears, Roebuck and Co., Chicago, Ill. Radio receiver. 2,139,082; Dec. 6.
Humphlett, Wilma D., Feeding Hills, assignor to Malone-Knitting Company, Springfield, Mass. Garment. 2,139,270; Dec. 6.
Humphrey, Irvin W., assignor to Hercules Powder Company, Wilmington, Del. Esters of hydrogenated abietyl alcohol and producing. 2,139,588; Dec. 6.
Hunsicker, Franklin H. (See Hey, E., and Hunsicker.)
Hunter, Howard J., Fairbanks, La., assignor to Columbian Carbon Company, New York, N. Y. Manufacture of carbon black. 2,139,584; Dec. 6.
Hunter, Howard J., Fairbanks, La., assignor to Columbian Carbon Company, New York, N. Y. Manufacture of carbon black. 2,139,585; Dec. 6.
Hunter, Lester S., Rochester, N. Y. Quick detachable brake lining. 2,139,409; Dec. 6.
Husemoller, Christian F., Washington, D. C. Switch. 2,139,586; Dec. 6.
Husemoller, Christian F., Washington, D. C. Signal lamp. 2,139,587; Dec. 6.
Hutchens, Raymond D., Chicago, Ill., assignor to Radio Corporation of America. Frequency checking device. 2,138,922; Dec. 6.
Hutchins, George H., Hollywood, Calif., and A. W. Hartigan, New York, N. Y., assignors to Flitrol Company of California, Los Angeles, Calif. Refining oil. 2,139,161; Dec. 6.
Hyman, Julius, assignor to Velsicol Corporation, Chicago, Ill. Method and apparatus for treating vapors or gases. 2,138,861; Dec. 6.
Hysko, John L., Brooklyn, assignor to Bell Telephone Laboratories Incorporated, New York, N. Y. Transmission system. 2,139,232; Dec. 6.
I. G. Farbenindustrie Aktiengesellschaft. (See Spitaler, Paul, assignor.)
Indian Refining Company, The. (See McFarland, Edward G., assignor.)
Ingersoll-Rand Company. (See Kirgan, John, assignor.)
Ihlein, Ludwig A., Philadelphia, Pa. Nonrefillable bottle. 2,139,020; Dec. 6.
Illinois Clay Products Company, The. (See Nichols, Arthur S., assignor.)
Ingersoll-Rand Company. (See Fuehrer, George H., assignor.)
Ingersoll-Rand Company. (See Slater, Fred M., assignor.)
Interchemical Corporation. (See Mock, Walter W., assignor.)
International Metal Industries Limited. (See Brouse, William H. D., assignor.)
Intertype Corporation. (See Kelley, Allie H., Jr., assignor.)
Intertype Corporation. (See Sperry, Arthur G., assignor.)
Ironside Company, The. (See Williams, R. C., and Bone, assignors.)
Iselin, Martin, Riehen, near Basel, and J. Bindler, assignors to the firm J. R. Geigy S. A., Basel, Switzerland. Amino-acid derivatives and their manufacture. 2,139,190; Dec. 6.
Ittner, Martin H., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Hydrolysis of fats and oils. 2,139,589; Dec. 6.
Ivers-Lee Company. (See Salfisberg, Leroy L., assignor.)
Ives, Herbert E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multichannel television system. 2,139,233; Dec. 6.
Ivie, Matie I. (See Shick, Lellah E., assignor.)
Jackson, Merlin M., San Jose, assignor to Little Giant Inc., Ltd., Oakland, Calif. Agitating means for washing machines. 2,139,501; Dec. 6.
Jackson, Walter C., Rahway, N. J., assignor to Tingley Reliance Rubber Corporation. Splash guard and clamp therefor. 2,139,307; Dec. 6.
Jacobson, James H., Chicago, Ill., assignor to C. C. Chambers and R. S. Bradshaw, St. Louis, Mo., as joint tenants. Road joint. 2,138,817; Dec. 6.
Jakosky, John J., Los Angeles, Calif. Determining underground structure. 2,138,818; Dec. 6.
Jamgochian, Aram, New York, N. Y. Novelty appliqued tieback for curtains. 2,139,502; Dec. 6.
Jardine, Frank, assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio, trustee. Piston. 2,139,271; Dec. 6.
Jaworski, Charles N., Hartford, Conn. Saw for removing plaster casts. 2,139,272; Dec. 6.
Jeffrey Manufacturing Company, The. (See Jeffrey, Robert K., assignor.)
Jeffrey, Robert K., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Cutter chain and cutter bar. 2,139,410; Dec. 6.
Jenkins, Gerald S., St. Louis, Mo. Apparatus for underground mining. 2,139,162; Dec. 6.
Jennings, Chester S., assignor to The Lamson Company, Syracuse, N. Y. Pneumatic dispatch system. 2,139,126; Dec. 6.
Jennings, Irving C., South Norwalk, Conn. Pressure regulator. 2,139,411; Dec. 6.
Jennings, Victor H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Protector mechanism for looms. 2,139,412; Dec. 6.
Jessop, Clyde A., Swartz Creek, Mich. Bolt or nut lock. 2,139,590; Dec. 6.
Jimenez, Artemio F., and P. D. Bello, Habana, Cuba. Shock absorber. 2,139,591; Dec. 6.
Johnson, Albert M., assignor to Barnes Drill Co., Rockford, Ill. Carriage mounting. 2,139,234; Dec. 6.
Johnson, Edward W., assignor to Chicago Carton Company, Chicago, Ill. Reclosable box. 2,139,021; Dec. 6.
Johnson, John A., Woodhaven, N. Y. Apparatus for assembling sealing pads in receptacle closure caps. 2,138,923; Dec. 6.
Johnson, John G., Tacoma, Wash. Aquatic amusement device. 2,139,022; Dec. 6.
Johnson, Thomas H., Wheeling, W. Va. Match box. 2,138,819; Dec. 6.
Johnston, Walter E., Vicksburg, Miss. Utility tool. 2,138,862; Dec. 6.
Jones, Benjamin C. (See Pletcher, H. S., Bishop, and Jones.)
Jones, Frank E., West Lafayette, Ohio, and F. C. Wachs, Milwaukee, Wis. Bedpan. 2,139,273; Dec. 6.
Jones, Fred A., Newark, N. J. Gasoline dump device for airplanes. 2,139,970; Dec. 6.
Jones, Orsemus L. R., Chicago, Ill. Duplex retractile elevator for airplanes. 2,139,163; Dec. 6.
Jones, Paul C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Antioxidant. 2,138,924; Dec. 6.
Jordan, Richard H., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vacuum cleaner carriage. 2,139,503; Dec. 6.
Journeaux, Didier, Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electric control system. 2,139,637; Dec. 6.
Judd Irving H. (See Kales, W. R. Judd, Huebshman, and Helms.)
Judge, Thomas J., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system. 2,138,863; Dec. 6.
Jung, Albert H., New York, N. Y. Ingot mold. 2,139,191; Dec. 6.
Justice, Leslie, Philadelphia, Pa., and W. D. Macgeorge, Woodbury, N. J. Apparatus for agitating and disintegrating pulp. 2,139,274; Dec. 6.
Kahn, Bertrand B., Cincinnati, assignor to The Estate Stove Company, Hamilton, Ohio. Stove. 2,138,925; Dec. 6.
Kales, William R., Detroit, assignor to Whitehead & Kales Company, River Rouge, Mich. Running gear. 2,139,548; Dec. 6.
Kales, William R., Detroit, I. H. Judd, Dearborn, and P. Huebshman and R. H. Helms, Melvindale, assignors to Whitehead & Kales Company, River Rouge, Mich. Running gear. 2,139,547; Dec. 6.
Kallo, Inc. (See Lieberhnecht, Karl R., assignor.)
Kirasick, Samuel, Mount Vernon, N. Y. Electromagnetic device and circuits for operating the same. 2,138,864; Dec. 6.
Karfiol, Edward, Great Neck, N. Y. Moth snare. 2,138,926; Dec. 6.
Karns, George M., Kenmore, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Method and apparatus for producing artificial thread. 2,139,449; Dec. 6.
Katzman, Philip A. (See Dolsy, E. A., and Katzman.)
Kauffman, Jacob E., assignor of one-fourth to P. E. Cobden, and one-fourth to F. E. Newlin, Daytona Beach, Fla. Cuff fastener. 2,139,308; Dec. 6.
Kear, Frank G., Minersville, Pa., assignor to Washington Institute of Technology, Inc., Washington, D. C. Control system for radio beacons. 2,139,060; Dec. 6.
Kearney, Norman L., Buffalo, N. Y., assignor, by mesne assignments, to Curtiss-Wright Corporation. Radiator core construction. 2,139,367; Dec. 6.
Keeler, Burrell A., Chicago, and W. W. Knight, Cicero, Ill. Lubricator for railway car journals. 2,138,971; Dec. 6.
Keller, Harry H., Ventnor, N. J., assignor to Bitting Incorporated, New York, N. Y. Building construction. 2,138,927; Dec. 6.
Kelley, Allie H., Jr., Memphis, Tenn., assignor to Intertype Corporation, Brooklyn, N. Y. Vice for typographical machines. 2,139,638; Dec. 6.
Kellogg, Edward W., Moorestown, N. J., assignor to Radio Corporation of America. Recording of sound. 2,139,235; Dec. 6.
Kelly, John H., Jr., Chicago, Ill., assignor to Monsanto Chemical Company, St. Louis, Mo. Rubber derivative compositions. 2,139,368; Dec. 6.

Kelso, Robert. (See Coggans, J., and Kelso.)
Kidde, Walter, & Company. (See Heigis, Henry E., assignor.)
King, Orville D., Dayton, Ohio, assignor to Oxford Varnish Corporation, Detroit, Mich. Decorating apparatus. 2,138,865; Dec. 6.
King, William J., Schenectady, N. Y., assignor to General Electric Company. Thermal responsive control mechanism. 2,139,504; Dec. 6.
Kinzer, John P., Hackensack, N. J., and I. G. Wilson, Brooklyn, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gain control circuit. 2,139,236; Dec. 6.
Kirby, Charles H., Flint, Mich. Shock absorber for vehicles. 2,139,592; Dec. 6.
Kirgan, John, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Damper. 2,139,505; Dec. 6.
Kirschbraum, Lester, assignor to The Patent and Licensing Corporation, New York, N. Y. Siding element and making the same. 2,139,620; Dec. 6.
Kishline, Floyd F., Birmingham, assignor to Graham-Paige Motors Corporation, Detroit, Mich. Lubrication system for internal combustion engines. 2,139,549; Dec. 6.
Klarmann, Emil, Jersey City, assignor to Lehn & Fink Products Corporation, Bloomfield, N. J. Mono-alkylchlorophenols. 2,139,550; Dec. 6.
Klein, George. (See Zum-Berge, Emil, H., assignor.)
Klemperer, Otto, Iver, assignor to Electric and Musical Industries, Ltd., Hayes, England. Electron discharge device. 2,138,928; Dec. 6.
Klopsch, Otto Z., and G. H. Bradley, Pleasant Ridge, assignor to Wolverine Tube Company, Detroit, Mich. Extrusion press. 2,139,551; Dec. 6.
Knight, William W. (See Keeler, B. A., and Knight.)
Knorr-Bremse Aktiengesellschaft. (See Lauf, Hans, assignor.)
Knowlton, Theodore E., Watertown, N. Y. Method and apparatus for preventing slipping in printing. 2,139,164; Dec. 6.
Kock, Winston E., assignor to The Baldwin Company, Cincinnati, Ohio. Electrical generation of musical tones. 2,139,023; Dec. 6.
Kohl, William R., Wilmette, Ill. Garment bag. 2,139,237; Dec. 6.
Kohler, Irving N. (See Kohler, Milton W., and I. N.)
Kohler, Milton W., Fairport, and I. N. Kohler, Middleport, N. Y. Tooth brush. 2,139,593; Dec. 6.
Kollath, Francis C., assignor, by mesne assignments, to Belden Manufacturing Company, Chicago, Ill. Attachment plug cap of the soft-rubber type. 2,139,450; Dec. 6.
Kol-Master Corporation. (See Bressler, Robert E., assignor.)
Kolm, Walter I., New York, N. Y. Game device. 2,139,024; Dec. 6.
König, Erwin, Berlin-Neukoelln, assignor to Allgemeine Elektricitates Gesellschaft, Berlin, Germany. Dial for radio apparatus. 2,139,451; Dec. 6.
Kort, Ludwig, Hanover, Germany. Combined propelling and steering device for screw propelled ships. 2,139,594; Dec. 6.
Kreidel, Hans, Wiesbaden, Germany, assignor, by mesne assignments, to Patex Société Anonyme, Basel, Switzerland. Joint for pipes. 2,139,413; Dec. 6.
Krekel, Paul, Kronberg, near Frankfort-on-the-Main, Germany. Aircraft undercarriage. 2,139,192; Dec. 6.
Kreuzer, Friedrich, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Printing telegraph receiver. 2,139,452; Dec. 6.
Krueger, Albert G. (See Vaughan, F. P., Krueger, and Slye.)
Krupp, Fried., Aktiengesellschaft Grusonwerk. (See Pellert, Friedrich W., assignor.)
Kuhlman, Henry J., assignor to Kuhlman Manufacturing Company, Waterloo, Iowa. Corn harvester. 2,139,165; Dec. 6.
Kuhlman Manufacturing Company. (See Kuhlman, Henry J., assignor.)
Kuiper, Gerhard C. R., assignor to The Midland Steel Products Company, Cleveland, Ohio. Vehicle brake. 2,139,083; Dec. 6.
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,139,552; Dec. 6.
Kuzelka, William R., New York, N. Y. Atomizing device. 2,139,506; Dec. 6.
Kyrides, Lucas P., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Plastic compositions. 2,139,369; Dec. 6.
Lafargue, Bernard L., San Rafael, Calif. Blocking form. 2,138,866; Dec. 6.
Lainau, Carl A. (See Hentirch, W., and Lainau.)
Laing, Nathan, New York, N. Y. Spinning top. 2,139,507; Dec. 6.
Lakatos, Emory. (See Blackman, R. B., and Lakatos.)
Lallemand, Rodolphe, et al. (See Leuchter, Nicolas, assignor.)
Lamothe, Rudolph I., and S. E. McFarland, Los Angeles, Calif.; said McFarland assignor to said Lamothe. Cap lock. 2,139,193; Dec. 6.
Lamson Company, The. (See Catranis, John G., assignor.)
Lamson Company, The. (See Jennings, Chester S., assignor.)
Lane-Wells Company. (See Spencer, Lloyd, assignor.)
Lane-Wells Company. (See Wells, Walter T., assignor.)
Langbein, Gerhard. (See Greune, H., Thiele, and Langbein.)
Lanto, Edward, New York, N. Y. Apparatus for making hollow pressed axles. 2,138,867; Dec. 6.
Larsen, Earl I. (See Hensel, F. R., and Larsen.)
Larsen, Gabriel, Springfield, N. J., assignor to L. E. Waterman Company, New York, N. Y. Fountain pen. 2,139,084; Dec. 6.
Lauer, Carleton J. (See McKinley, C. W., and Lauer.)
Lauer, Carleton J., and R. L. Bowers, Flint, assignors to General Motors Corporation, Detroit, Mich. Electric fuel pump. 2,139,370; Dec. 6.
Lauf, Hans, Berlin-Charlottenburg, assignor to Knorr-Bremse Aktiengesellschaft, Berlin-Lichtenberg, Germany. Breech mechanism. 2,138,972; Dec. 6.
Lawson, Marion C., Los Angeles, Calif. Container with sliding cap. 2,139,085; Dec. 6.
Le Blond, R. K., Machine Tool Company. (See Groene, William F., assignor.)
Lecher, Hans Z., Plainfield, and A. E. Pierce, assignors to The Calco Chemical Company, Inc., Bound Brook, N. J. Preparation of guanyl-urea sulphonic acid. 2,139,621; Dec. 6.
Ledger, Willard, and R. Borden, Spalding, assignors of one-third to Ole Harstad, Bark River, Mich. Fuel supply system for internal combustion engines. 2,139,371; Dec. 6.
Lee, John Wesley, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Method and apparatus for vulcanizing rubber strips. 2,139,414; Dec. 6.
Lee, Thomas P., Inglewood, Calif. Eyeshield and visor. 2,139,275; Dec. 6.
Legé, Edouard G. M. R., Paris, France. Continuous distillation furnace. 2,138,973. Dec. 6.
Lehn & Fink Products Corporation. (See Klarmann, Emil, assignor.)
Leiding, Elmer A. (See Nelson, W. J., and Leiding.)
Lenher, Samuel, and L. B. Arnold, Jr., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Emulsifying and treating agents. 2,139,276; Dec. 6.
Lenher, Samuel, and L. B. Arnold, Jr., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dialkyl cyclohexylamine salts of higher alkyl sulphates. 2,139,277; Dec. 6.
Lerch, William B., and T. M. White, assignors to Phillips Petroleum Company, Bartlesville, Okla. Dissolving paraffin and wax. 2,139,595; Dec. 6.
Leuchter, Nicolas, assignor of one-third to R. Lallemand and one-third to P. Z. Rheaume, Montreal, Quebec, Canada. Universal Mechano-Surgical apparatus. 2,139,166; Dec. 6.
Levan, John F. (See Holt, T. W., and Levan.)
Lewis, Arthur W., Elizabeth, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Lubricating oil and lubrication therewith. 2,139,086; Dec. 6.
Lewis, Arthur W., Elizabeth, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Lubricating oil and lubrication therewith. 2,139,087; Dec. 6.
Lewis, Arthur W., Elizabeth, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Lubricating oil and lubrication therewith. 2,139,088; Dec. 6.
Liberthson, Leo, New York, N. Y., assignor to L. Sonneborn Sons, Inc. Lowering the pour point of lubricating oil. 2,138,868; Dec. 6.
Lichtenstein, Johann, assignor to Société Générale des Carburateurs Zenith, Levallois-Perret, France. Regulation of fuel injection pumps for internal combustion engines. 2,139,194; Dec. 6.
Lieber, Eugene. (See Mikeska, L. A., and Lieber.)
Lieberknecht, Karl R., Oberlungwitz, Germany, assignor to Kallo, Inc., New York, N. Y. Knitting machine. 2,139,278; Dec. 6.
Linder, Ludwig, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, Berlin, Germany. Electric condenser. 2,139,453; Dec. 6.
Linden, Walter, Bronx, N. Y. Support for receptacles. 2,139,309; Dec. 6.
Linder, Ernest G., Surf City, N. J., assignor to Radio Corporation of America. Modulator for high frequency oscillators. 2,139,238; Dec. 6.
Linder, John A. (See Anderson, W. E., and Linder.)
Link-Belt Company. (See Atz, Frederick W., Jr., assignor.)
Link, Simon. (See Böhme, J., and Link.)
Linke, Hans G., Magdeburg, assignor to firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Vibrating screen. 2,139,089; Dec. 6.
Linograph Corporation. (See Murray, Clay E., assignor.)
Little Giant Inc. (See Jackson, Merlin M., assignor.)
Little, Royal, assignor to Franklin Rayon Corporation, Providence, R. I. Method and apparatus for preparing batches of textile packages for subsequent treatment. 2,139,553; Dec. 6.
Liverance & Van Antwerp. (See Den Besten, Gerrit, assignor.)
Lock Joint Pipe Company. (See Trickey, William W., assignor.)
Lockwood, William C., Chicago, Ill. Safetypin. 2,138,869; Dec. 6.

Loibl, Toni, Berlin-Tempelhof, Germany. Device for preventing overflowing, especially designed for funnels. 2,138,929; Dec. 6.

Lonskey, John H., assignor to Central Specialty Company, Ypsilanti, Mich. Metal pulley. 2,139,622; Dec. 6.

Louttit, Charles, Liverpool, England. Cargo net, cargo sling, and the like. 2,139,195; Dec. 6.

Lower, Donald E., Aspers, Pa. Making vitrified products. 2,138,870; Dec. 6.

Luff, Henry J. (See Seestedt, L. L., Ridge, and Luff.)

Luppert, Valentine C., Williamsport, Pa. Support for mirrors or the like. 2,139,596; Dec. 6.

Lutey, William J., Seattle, Wash. Resilient Safety mat. 2,139,025; Dec. 6.

Lybrand, Daniel O., assignor to Washington Institute of Technology, Inc., Washington, D. C. Instrument mounting. 2,139,059; Dec. 6.

Lysholm, Alf, and G. Wahlsten, assignors to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden. Braking. 2,139,090; Dec. 6.

Macconochie, Arthur F., Charlottesville, Va., assignor to Chambersburg Engineering Company, Chambersburg, Pa. Portable hydraulic riveter. 2,139,639; Dec. 6.

MacDonald, Clifford K., Brockton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making inner molds for shoes. 2,138,974; Dec. 6.

Macgeorge, William D. (See Justice, L., and Macgeorge.)

MacSporran, Charles. (See Thomas, R. W., and MacSporran.)

Maidens, William T., Columbus, Ohio, assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo. Making zinc oxide. 2,139,196; Dec. 6.

Malik, Joseph, Cicero, Ill. Surgical splint. 2,138,975; Dec. 6.

Mall, Eugen, Stuttgart-Bad Cannstatt, and W. Dorn, assignors to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany. Metalizing surfaces. 2,139,640; Dec. 6.

Mallory, P. R., & Co. (See Hensel, F. R., and Larsen, assignors.)

Malluk, Assad M., New York, N. Y. Cap protector for fuel tank openings. 2,138,871; Dec. 6.

Malone Knitting Company. (See Humphlett, Wilma D., assignor.)

Mancuso, Ralph, Brooklyn, assignor to National Card Mounting Company, Inc., New York, N. Y. Collapsible container. 2,139,239; Dec. 6.

Mandel, Jacob. (See Scheinman, Sol.)

Mandusky, Edwin, Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America. Carton. 2,139,127; Dec. 6.

Manning, Maxwell & Moore, Inc. (See Schramm, Christopher H., assignor.)

Marathon Paper Mills Company. (See Mull, A. B., and Pradt, assignors.)

Marbon Corporation. (See Moffett, E. W., Winkelmann, and Williams, assignors.)

Marcellus, Frederick S., Scotia, N. Y., assignor to General Electric Company. Air jet recorder. 2,139,508; Dec. 6.

Marcellus, Frederick S., Scotia, N. Y., assignor to General Electric Company. Recorder. 2,139,509; Dec. 6.

Marchek, Joseph H., assignor of one-half to L. Toucher, Homedale, Idaho. Ditch bank mowing machine. 2,139,310; Dec. 6.

Mares, Joseph R., assignor to Monsanto Chemical Company, St. Louis, Mo. Production of cresols and higher phenols by fusion. 2,139,372; Dec. 6.

Marion Steam Shovel Company. (See Bixby, Kenneth R., assignor.)

Marogg, Richard, New York, N. Y. Brush and bristles therefor. 2,138,872; Dec. 6.

Marquis, Raymond E. (See Sinkwich, Vincent J., assignor.)

Marshall, George W., Blue Springs, Mo. Bolt anchor. 2,139,167; Dec. 6.

Marston, James E., Bralorne, British Columbia, Canada. Precast hollow slab concrete construction system. 2,139,623; Dec. 6.

Martin, Hubert, Cranston, R. I. Liquid barrel bung and cork reamer. 2,139,554; Dec. 6.

Martin, Joseph, Laurelton, assignor to United States Cabinet Bed Co., Brooklyn, N. Y. Tufting button. 2,139,128; Dec. 6.

Martin, Thomas A., New York, N. Y. Vehicle hoist. 2,139,597; Dec. 6.

Mason, George W., Long Beach, Calif. Direction signal. 2,138,976; Dec. 6.

Massie, David B. (See Cassell, L. E., and Massie.)

Matheson, George L., Union, N. J., assignor to Standard Oil Development Company. Preparing catalyst. 2,139,026; Dec. 6.

Mathews, Max, Fairview, Mont. Mail box mounting. 2,138,977; Dec. 6.

Mathieson Alkali Works, Inc., The. (See Petroe, Gregory A., assignor.)

May Oil Burner Corporation. (See Hall, Mora S., assignor.)

Mayer, William, New York, N. Y. Fastener for the neckband portions of neckties. 2,139,510; Dec. 6.

Maze, Hamilton M., assignor to W. H. Maze Company, Peru, Ill. Roll roofing fastener. 2,139,279; Dec. 6.

Maze, W. H., Company. (See Maze, Hamilton M., assignor.)

McBride, John J., Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y. Lubricated valve. 2,139,280; Dec. 6.

McCabe, Ira E., Chicago, Ill. Timer mechanism. 2,139,454; Dec. 6.

McCarthy, Timothy F., Indiana, Pa. Apparatus for handling material in mines. 2,139,129; Dec. 6.

McConnaughay, Kenneth E., Otterbein, Ind. Aggregate coating apparatus. 2,139,027; Dec. 6.

McCown, Andrew R., trustee. (See Franks, James B., Jr., assignor.)

McCutchan, Winfred N. (See Carnarius, E. H., and McCutchan.)

McFarland, Edward G., assignor to The Indian Refining Company, Lawrenceville, Ill. Solvent refining of mineral oil. 2,139,240; Dec. 6.

McFarland, Samuel E. (See Lamothe, R. I., and McFarland.)

McKercher, Daniel, and G. F. Yager, assignors to The Bunting Brass and Bronze Company, Toledo, Ohio. Making bearings. 2,139,555; Dec. 6.

McKinley, Charles W., and C. J. Lauer, Flint, assignors to General Motors Corporation, Detroit, Mich. Electric fuel pump. 2,139,373; Dec. 6.

McKinstry, Charles H., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,138,930; Dec. 6.

McKone, Archie, assignor to Pioneer Timber Co., Ltd., Vancouver, British Columbia, Canada. Multiple shoe brake. 2,139,197; Dec. 6.

McLachlan, Alexander, assignor to Jeffery Dewitt Insulator Company, Kenova, W. Va. Strain or suspension clamp. 2,139,415; Dec. 6.

McLane, Charles N., Hyde Park, assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass. Fan. 2,139,416; Dec. 6.

McMullen, Joseph B., Washington, D. C. Cooking utensil. 2,139,598; Dec. 6.

McNeil, Charles I., Bloomfield, assignor to Eclipse Aviation Corporation, East Orange, N. J. Electrical apparatus. 2,139,599; Dec. 6.

Mead, Howard C. (See Michel, C. A., and Mead.)

Mead Johnson & Company. (See Tompkins, Charles A., assignor.)

Meine, Rudolph, Hinsdale, Ill. Holster clamp. 2,138,978; Dec. 6.

Mensendieck, Elizabeth M., and O. Utne, New York, N. Y. Seat. 2,139,028; Dec. 6.

Merwitz, James M., Troy, N. Y. Clothespin. 2,139,455; Dec. 6.

Meyer, Claude L., Paris, France. Soap tablet covered with a soft sheath. 2,138,873; Dec. 6.

Meyer, Joseph E., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Cutting and folding machine. 2,139,241; Dec. 6.

Meyerson, Max, New York, N. Y. Card holder. 2,139,556; Dec. 6.

Michel, Clarence A., and H. C. Mead, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Lamp bulb mounting. 2,139,374; Dec. 6.

Michelin et Cie. (See Bourdon, Pierre M., assignor.)

Midland Steel Products Company, The. (See Kulper, Gerhard C. R., assignor.)

Midway Chemical Co. (See Glover, John, assignor.)

Miessner, William O., Deerfield, Ill. Theme finder. 2,138,875; Dec. 6.

Mikeska, Louis A., Westfield, and E. Lieber, Linden, N. J., assignors to Standard Oil Development Company. Preparation of phenol sulfides. 2,139,321; Dec. 6.

Milan, Joseph M., Indianapolis, Ind. Truck loader and unloader. 2,139,417; Dec. 6.

Millar, Russell W., and H. P. A. Groll, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Removal of SO$_2$ from gases. 2,139,375; Dec. 6.

Miller Company, The. (See Doane, Leroy C., assignor.)

Miller, George E., Sacramento, Calif. Hop picking machine. 2,139,029; Dec. 6.

Miller, George E., assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio. Tractor unit control. 2,139,198; Dec. 6.

Miller, Paul J., administrator. (See Gantvoort, John M., assignor.)

Milprint Products Corporation. (See Hanson, R. E., and Frostad, assignors.)

Miner, John H., St. Louis County, Mo., assignor, by mesne assignments, to Roesch Porcelain Construction, Inc., Belleville, Ill. Supporting structure for porcelain enameled pans. 2,139,322; Dec. 6.

Miner, W. H., Inc. (See Dwyer, William M., assignor.)

Mirz, Emerich A., Chicago, Ill. Bottle breaking tool. 2,138,931; Dec. 6.

Mnookin, Nathan M., Kansas City, Mo. Phenolic condensation product and making same. 2,139,418; Dec. 6.

Mobley, Loyd M., Akron, Ohio. Dispensing spool for adhesive tape or the like. 2,138,979; Dec. 6.

Mock, Walter W., Rutherford, N. J., assignor to Interchemical Corporation, New York, N. Y. Intaglio printing ink. 2,139,242; Dec. 6.

Moffett, Eugene W., and H. A. Winkelmenn, Chicago, Ill., and F. E. Williams, Gary, Ind., assignors to Marbon Corporation. Plant and process for manufacturing rubber hydrochloride. 2,138,932; Dec. 6.

Mohr, Edward A., Wyomissing, assignor to The Nolde and Horst Company, Reading, Pa. Stretcher topping and take-off bar for elastic hosiery welts and the like. 2,139,130; Dec. 6.

Mohr, William H., assignor to The Peck, Stow & Wilcox Company, Southington, Conn. Try square. 2,139,243; Dec. 6.

Molins Machine Company. (See Ruau, Felix F., assignor.)

Mollberg, Byron, assignor to Carter Carburetor Corporation, St. Louis, Mo. Valve device. 2,139,376; Dec. 6.

Monarch Machine Tool Company, The. (See Abe, Philber A., assignor.)

Monsanto Chemical Company. (See Kelly, John H., Jr., assignor.)

Monsanto Chemical Company. (See Kyrides, Lucas P., assignor.)

Monsanto Chemical Company. (See Mares, Joseph R., assignor.)

Moore Corporation, The. (See Pletcher, H. S., Bishop, and Jones, assignors.)

Moore, Thorn, Ronan, Mont. Heat retainer for permanent waving. 2,139,311; Dec. 6.

Moreton, Henry H., Santa Monica, Calif. Destroying sewage. 2,139,419; Dec. 6.

Moretti, Anthony, Cranston, R. I. Spool. 2,139,557; Dec. 6.

Morgan, Ervin, Ririe, Idaho. Grading machine. 2,139,199; Dec. 6.

Morrell, Jacque C., assignor to Universal Oil Products Company, Chicago, Ill. Treating hydrocarbon oils. 2,139,624; Dec. 6.

Morris, Warren A. (See Rowe, W. W., and Morris.)

Moseley, Francis L., Pelham, W. T. Cooke, Pelham Manor, N. Y., and C. A. Frische, Leonia, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Follow-up system for gyro compasses. 2,139,558; Dec. 6.

Moseley, Tomlinson I., assignor, by mesne assignments, to Crocker First National Bank of San Francisco, San Francisco, Calif. Closure fastener. 2,138,933; Dec. 6.

Moss, William H., London, England, assignor to Celanese Corporation of America. Sulphonamide compounds. 2,138,934; Dec. 6.

Mouromtseff, Ilia E., and H. V. Noble, Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric discharge apparatus. 2,138,935; Dec. 6.

Moyer, Amos F., Minneapolis, Minn., assignor to Toro Manufacturing Corporation of Minnesota. Extensible gang lawn mower. 2,139,200; Dec. 6.

Mull, Arthur B., Appleton, and A. E. Pradt, Menasha, assignors to Marathon Paper Mills Company, Rothschild, Wis. Display unit. 2,139,377; Dec. 6.

Mullens, Orla R., El Paso, Tex. Automobile door accessory. 2,139,312; Dec. 6.

Muller, Julius F. (See Steik, K. T., and Muller.)

Muller, Robert L., assignor to Burroughs Adding Machine Company, Detroit, Mich. Calculating machine. 2,139,131; Dec. 6.

Muller, Robert L., assignor to Burroughs Adding Machine Company, Detroit, Mich. Calculating machine. 2,139,168; Dec. 6.

Muller, Robert L., assignor to Burroughs Adding Machine Company, Detroit, Mich. Calculating machine. 2,139,169; Dec. 6.

Murphy Diesel Company Ltd. (See Murphy, Moyes J., assignor.)

Murphy, Moyes J., assignor to Murphy Diesel Company Ltd., Milwaukee, Wis. Engine. 2,139,170; Dec. 6.

Murray, Clay E., assignor to Linograph Corporation, Davenport, Iowa. Crucible for slug casting machines and making same. 2,139,511; Dec. 6.

Mussells, George A., Reading, Mass. Sole press. 2,139,030; Dec. 6.

Myers, Frank L., Newark, Ohio, assignor to Owens-Illinois Glass Company. Filter unit. 2,138,874; Dec. 6.

Myers, John B., Libby, Mont., and G. Sucetti, assignors to Universal Insulation Company, Chicago, Ill. Vermiculite expansion method. 2,139,378; Dec. 6.

Myers, Thomas G., Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc. Interchangeable turbine pump head. 2,139,379; Dec. 6.

N. V. Philips' Gloeilampenfabrieken. (See Bouwers, Albert, assignor.)

Nagorny, Boris A., assignor of forty per cent to E. C. Gillette and nine per cent to J. P. Nikonow, New York, N. Y. Ornamental mesh fabric. 2,139,512; Dec. 6.

National Aniline & Chemical Company. (See Anderson, C. I., and Payne, assignors.)

National Blank Book Company. (See Hammen, Charles B., assignor.)

National Blank Book Company. (See Schade, Frank S., assignor.)

National Card Mounting Company. (See Mancuso, Ralph, assignor.)

National Electric Products Croporation. (See Corbett, A., and Fullman, assignors.)

National Engineering & Manufacturing Company. (See Yeager, Milburn E., assignor.)

National Manufacturing Co. (See Bittorf, Louis A., assignor.)

National Oil Products Company. (See Steik, K. T., and Muller, assignors.)

National Poultry Equipment Co. (See Powell, John E., assignor.)

National Sure-Fit Quilting Company. (See Hiltbrunner, Arnold, assignor.)

National Tube Company. (See Boax, John J., assignor.)

National Tube Company. (See Foley, John P., assignor.)

Nauert, Carl H., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigerator. 2,139,244; Dec. 6.

Neckel, Edmund N., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Ohio. Control mechanism for pressing machines. 2,139,091; Dec. 6.

Neher, Leroy P., St. Louis, Mo. Bottle collar. 2,139,031; Dec. 6.

Neidich, Samuel A., Burlington, N. J., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y. Ink composition. 2,139,092; Dec. 6.

Nelson, William J., and E. A. Leiding, Orr, Minn. Sport sled. 2,139,513; Dec. 6.

Neubauer, Emil T., assignor to York Ice Machinery Corporation, York, Pa. Valve for compressors. 2,139,313; Dec. 6.

Neumann, Paul A., Chicago, Ill. Closing device for collapsible tubes. 2,139,171; Dec. 6.

Neumeister, Carl L., Oak Park, Ill. Panel mounting assembly. 2,139,641; Dec. 6.

New England Theatres, Inc. (See Bassin, Charles S., assignor.)

Newlin, Frank E., et al. (See Kauffman, Jacob E., assignor.)

Newton, James E., Little Compton, R. I. Receptacle for pipes. 2,139,559; Dec. 6.

New York Clasp Corporation. (See Apostoluk, S., and (Prina, assignor),)

New York Clasp Corporation. (See Prina, Frank R., assignor.)

Niagara Duplicator Company. (See Nigra, Ferdinand, assignor.)

Nicholas, Charles W., Chicago, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company. Car coupler operating mechanism. 2,139,032; Dec. 6.

Nichols, Arthur S., Forest Park, assignor to The Illinois Clay Products Company, Joliet, Ill. High temperature furnace insulation. 2,139,172; Dec. 6.

Niemann, Raymond E., assignor to James H. Rhodes & Company, Chicago, Ill. Pad for pressing machines and producing same. 2,139,033; Dec. 6.

Nigra, Ferdinand, assignor to Niagara Duplicator Company, San Francisco, Calif. Slip sheeting device. 2,139,132; Dec. 6.

Nikonow, John P., et al. (See Nagorny, Boris A., assignor.)

Nineteen Hundred Corporation. (See Upton, Louis C., assignor.)

Noble, Harrell V. (See Mouromtseff, I. E., and Noble.)

Nolde and Horst Company, The. (See Mohr, Edward A., assignor.)

Nordling, Ledvin F., Oslo, Minn. Conduit casing cutting tool. 2,139,093; Dec. 6.

Nordström, Bengt G. O., assignor to Aktiebolaget Kanthal, Hallstahammar, Sweden. Electrically heated shaft furnace. 2,139,201; Dec. 6.

Norris, Ethel E. (See Norris, Nelson H., assignor.)

Norris, George L., Scarsdale, assignor to Vanadium Corporation of America, Bridgeville, Pa. Alloys for addition to iron and steel. 2,139,515; Dec. 6.

Norris, George L., Scarsdale, assignor to Vanadium Corporation of America, Bridgeville, Pa. Alloys for addition to iron and steel. 2,139,516; Dec. 6.

Norris, Nelson H., assignor to E. E. Norris, Bath, N. Y. Combination endless conveyer belt and grader screen. 2,139,380; Dec. 6.

North Electric Mfg. Company, The. (See Boswau, Hans P., assignor.)

North American Rayon Corporation. (See Taylor, J. I., and Schaefer, assignors.)

Novak, Izador J., assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn. Manufacture of woven friction material. 2,138,876; Dec. 6.

Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Envelope machine. 2,139,514; Dec. 6.

Noyes, Ira W., assignor to Draper Corporation, Hopedale, Mass. Drop wire bar support. 2,139,456; Dec. 6.

Nuodex Products Co., Inc. (See Roon, Leo, assignor.)

Obear-Nester Glass Company. (See Stuckey, Samuel G., assignor.)

Ogden, Floyd H., Watertown, Mass. Tooth brush attachment. 2,139,245; Dec. 6.

Oglesby, Nicholas E., assignor to Behr-Manning Corporation, Troy, N. Y. Manufacturing gaskets. 2,139,314; Dec. 6.

Oil Well Supply Company. (See Gray, Allen, assignor.)

Oliveri, John, New York, N. Y. Advertising and apparatus for use in connection therewith. 2,139,281; Dec. 6.

Olson, Gordon L., Arlington, Mass. Variable speed transmission. 2,139,560; Dec. 6.

Olson, Raymond R., Milwaukee, Wis. Holder. 2,139,202; Dec. 6.

Opolo, Charles, Culver City, Calif. Operating lever. 2,139,094; Dec. 6.

Orton, William H. (See Davies, G. L., and Orton.)

Osolin, Alfred, Shaker Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey. Tensioning assembly. 2,139,642; Dec. 6.

Osterberg, Arnold E., Rochester, Minn., assignor to The Chemical Foundation, Incorporated. Apparatus for intravenous administration of fluids. 2,138,936; Dec. 6.
Owens-Illinois Glass Company. (See Myers, Frank L., assignor.)
Oxford Varnish Corporation. (See King, Orville D., assignor.)
Paasche, Jens A., Wilmette, Ill. Airbrush. 2,139,133; Dec. 6.
Packard Motor Car Company. (See Tibbetts, Milton, assignor.)
Padgett, Joseph E., Toledo, Ohio. Automatic power transmitting mechanism. 2,138,980; Dec. 6.
Palmer, Arthur R., et al. (See Partin, Albert, assignor.)
Paper Service Company, The. (See Rowe, W. W., and Morris.)
Parker, William A., Lyles, Tenn. Wrench. 2,139,600; Dec. 6.
Partin, Albert, assignor of one-fifth to A. R. Palmer and one-fifth to L. Strey, Jardine, Mont. Shoe lace fastener. 2,139,315; Dec. 6.
Patchett, George W., Stresovice, Prague, Czechoslovakia. Internal combustion engine. 2,139,457; Dec. 6.
Patent and Licensing Corporation, The. (See Kirschbraun, Lester, assignor.)
Patex Société Anonyme. (See Kreidel, Hans, assignor.)
Patzer, William, Chicago, Ill. Coin and token separator. 2,139,381; Dec. 6.
Pawsey, Joseph L. (See Cork, E. C., and Pawsey.)
Payne, Ralph B. (See Anderson, C. I., and Payne.)
Pearsen, Karl H. (See Akers, J., and Pearsen.)
Peck, Stow & Wilcox Company, The. (See Mohr, William H., assignor.)
Peel, Frederick W., Bedford, Va., assignor to Rubatex Products, Inc., New York, N. Y. Gas expanded rubber. 2,138,877; Dec. 6.
Peerless Roll Leaf Co. (See Grupe, William F., assignor.)
Peilert, Friedrich W., Magdeburg, assignor to the firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Sluice gate. 2,139,458; Dec. 6.
Pennsylvania Furnace & Iron Co. (See Andersen, Christian S., assignor.)
Peo, Ralph F., assignor to Houde Engineering Corporation, Buffalo, N. Y. Oil separator for evaporators. 2,139,459; Dec. 6.
Permutit Company, The. (See Bruce, W. M., and Riley, assignors.)
Permutit Company, The. (See Goetz, Paul C., assignor.)
Perry, Richard Gilbert. (See Finlayson, D., and Perry.)
Persons, Lawrence M., assignor, by mesne assignments, to Automatic Control Corporation, St. Louis, Mo. Expanding power means. 2,139,034; Dec. 6.
Peters, Anna L., administratrix. (See Peters, Nicholas.)
Peters, Nicholas, deceased, by A. L. Peters, administratrix, Cleveland, Ohio. Slack eliminator for shoe patching machines. 2,138,981; Dec. 6.
Petersen, Carl M., deceased, Morrisville, Pa.; S. W. Petersen, executrix. Switch mechanism. 2,139,561; Dec. 6.
Petersen, Stella W., executrix. (See Petersen, Carl M., assignor.)
Petroe, Gregory A., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Valve mechanism. 2,138,937; Dec. 6.
Petter, Charles G., Paris, France. Automatic pistol. 2,139,203; Dec. 6.
Pfeiffer, Jacob F., Zurich, Switzerland, assignor to Wanderer-Werke vorm. Winklhofer & Jaenicke Akt.-Ges., Schonau, near Chemnitz, Germany. Typewriting machine. 2,139,095; Dec. 6.
Phillips, Albert J. (See Betterton, J. O., Phillips, and Allen.)
Phillips Petroleum Company. (See Harlow, Frederick J., assignor.)
Phillips Petroleum Company. (See Lerch, W. B., and White, assignors.)
Phillips Petroleum Company. (See Thomas, Rosswell W., assignor.)
Phillips Petroleum Company. (See Thomas, R. W., and MacSporran, assignors.)
Phinney, Robert M., assignor to General Railway Signal Company, Rochester, N. Y. Railway traffic controlling system. 2,138,878; Dec. 6.
Piccardi, Alfred W., New York, N. Y. Swimming glove. 2,139,601; Dec. 6.
Picut, Frederick C., assignor to Economy Faucet Co., Newark, N. J. Dispensing faucet handle. 2,139,204; Dec. 6.
Pidgeon, Elmer F. (See Draper, L. O., and Pidgeon.)
Pierce, Alan E. (See Lecher, H. Z., and Pierce.)
Pierce, James J. (See Howie, John W., assignor.)
Pioneer Timber Co. (See McKone, Archie, assignor.)
Piquerez, Emile, Saint-Cloud, France. Installation for the washing of vehicles. 2,139,096; Dec. 6.
Piquerez, Emile, Saint-Cloud, France. Dispensing device. 2,139,097; Dec. 6.
Pittman, Ralph R., and C. H. Walsh, Pine Bluff, Ark. Wire holder. 2,139,332; Dec. 6.
Pittman, Ralph R., and C. H. Walsh, Pine Bluff, Ark. Sealed screw wire holder. 2,139,333; Dec. 6.
Plensler, Alexander W., assignor to Resistelite Corporation, Chicago, Ill. Electrical resistance and making same. 2,138,938; Dec. 6.
Pletcher, Harry S., M. Bishop, and B. C. Jones, assignors to The Moore Corporation, Joliet, Ill. Broiler. 2,139,382; Dec. 6.
Poock, Louis F., and W. F. Aller, assignors to The Sheffield Gage Corporation, Dayton, Ohio. Gauging device. 2,139,282; Dec. 6.
Poole, Roy B., Dayton, Ohio. Slide rule. 2,138,879; Dec. 6.
Post, Charles R. (See Post, Norman R. and C. R.)
Post, Norman R. and C. R., Santa Ana, Calif., assignors to American Tractor Equipment Corp. Earth scraper. 2,138,820; Dec. 6.
Potapenko, Gennady, Pasadena, Calif., assignor to Geo-Frequenta Corporation. Geophysical prospecting. 2,139,460; Dec. 6.
Potter, Charles P., Toronto, Ontario, Canada. Game apparatus. 2,138,821; Dec. 6.
Powell, Dwight, assignor to The General Fireproofing Company, Youngstown, Ohio. Chair. 2,139,205; Dec. 6.
Powell, John E., Issaquah, assignor to National Poultry Equipment Co., Seattle, Wash. Making abrasive elements. 2,139,206; Dec. 6.
Powell, Winfred T., assignor to General Railway Signal Company, Rochester, N. Y. Train describer system. 2,138,880; Dec. 6.
Powers and Company. (See Powers, Thomas C., assignor.)
Powers, Thomas C., Upper Darby, assignor to Powers and Company, Philadelphia, Pa. Tent construction. 2,139,035; Dec. 6.
Pradt, Alan E. (See Mull, A. B., and Pradt.)
Prebilt Housing Corporation. (See Corbett, H. W., and Hasenburger, assignors.)
President and Board of Trustees of St. Louis, University. (See Doisy, E. A., and Katzman, assignors.)
Preston, Neil D., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system. 2,139,562; Dec. 6.
Pride, William A., Medford, Mass. Hollow wall building construction. 2,139,461; Dec. 6.
Prina, Frank R. (See Apostoluk, S., and Prina.)
Prina, Frank R., New York, N. Y., assignor to New York Clasp Corporation. Suspenders. 2,139,517; Dec. 6.
Pruss, Hugo E., Berkeley, assignor to Snow Removal Equipment Company, San Francisco, Calif. Plow. 2,139,625; Dec. 6.
Pudelko, Hermann, assignor to Dürkoppwerke Aktiengesellschaft, Bielefeld, Germany. Bobbin-case controlling device. 2,138,939; Dec. 6.
Pullen, Rodney S., Akron, Ohio. Match packet. 2,139,036; Dec. 6.
Purdue Research Foundation. (See Hass, H. B., and Vanderbilt, assignors.)
Purdy, Chester A., Hinsdale, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Revolving chair. 2,139,462; Dec. 6.
Pyzel, Robert, assignor to Universal Oil Products Company, Chicago, Ill. Hydrogenation. 2,138,881; Dec. 6.
Radio Corporation of America. (See Brett, G. F., and Wright, assignors.)
Radio Corporation of America. (See Collins, Milford E., assignor.)
Radio Corporation of America. (See Craymer, Henry J., assignor.)
Radio Corporation of America. (See de Boer, J. H., and van Geel.)
Radio Corporation of America. (See Douden, William L., assignor.)
Radio Corporation of America. (See Haller, Cecil E., assignor.)
Radio Corporation of America. (See Herold, Edward W., assignor.)
Radio Corporation of America. (See Hutchens, Raymond D., assignor.)
Radio Corporation of America. (See Kellogg, Edward W., assignor.)
Radio Corporation of America. (See Linder, Ernest G., assignor.)
Radio Corporation of America. (See Mandusky, Edwin, assignor.)
Radio Corporation of America. (See Shepard, Francis H., Jr., assignor.)
Radio Corporation of America. (See Wright, G. M., and Rust, assignors.)
Radio Corporation of America. (See Zworykin, Vladimir K., assignor.)
Ralston, Hurley D., Oak Park, and O. Felix, assignors to Sears, Roebuck and Co., Chicago, Ill. Upright loose-leaf catalogue or file. 2,138,848; Dec. 6.
Rambold, Adolf, Dresden, Germany. Stapling apparatus. 2,139,316; Dec. 6.
Raney, Ben B., Linton, Ind. Filter for X-rays and similar rays. 2,139,098; Dec. 6.
Raney, Murray, Chattanooga, Tenn. Reclaiming catalytic material from spent catalytic material. 2,139,602; Dec. 6.
Ratliff, R. R. (See Snell, Owens C., assignor.)
Rawlings, Charles C., Waverley, Va. Locking means for guard standards of vehicle bodies. 2,139,317; Dec. 6.
Raybestos-Manhattan, Inc. (See Novak, Izador J., assignor.)
Raydt, Ulrich, Osnabruck, Germany. Plating metals and alloys. 2,138,982; Dec. 6.

Rebois, Leon V., assignor to Brooks, Ltd., San Francisco, Calif. Toasting machine. 2,139,334; Dec. 6.
Reclamation Company, The. (See Weggum, Gust, assignor.)
Reconstruction Finance Corporation. (See Bailey, Warren G., assignor.)
Rector, Laurence L., Fort Worth, Tex. Packing device. 2,139,207; Dec. 6.
Regenhardt, Walter F., Cleveland, Ohio. Filing drawer or the like. 2,139,283; Dec. 6.
Reger, Karl. (See Sträb, H., Reger, and Dorn.)
Reichhold, Helmuth. (See Honel, Herbert, assignor.)
Reilly, Arthur, Westbrook, Maine, assignor to S. D. Warren Company, Boston, Mass. Varnished paper. 2,139,603; Dec. 6.
Reliable Electric Co. (See Fotsch, William G., assignor.)
Reliable Machine Screw Sales Co. (See Robinson, Herbert M., assignor.)
Resistelite Corporation. (See Plensler, Alexander W., assignor.)
Reuter, Martin. (See Greune, H., Sturm, and Reuter.
Rheaume, Pierre Z., et al. (See Leuchter, Nicolas, assignor.)
Rhodes, James H., & Company. (See Niemann, Raymond E., assignor.)
Rich, James, Jr., South Barre, Mass. Cigarette holder. 2,138,983; Dec. 6.
Richards, Thomas H., Coconut Grove, Miami, Fla. Direction signal for automobiles. 2,139,420; Dec. 6.
Riddell, William G., Highwood Hill, London, assignor to John Hastie & Company Limited, Greenock, Renfrewshire, England. Hydraulic steering gear for ships. 2,139,604; Dec. 6.
Ridge, Dan. (See Seestedt, L. L., Ridge, and Luff.)
Rieseler, Hermann, Kiel, Germany. Combustion engine. 2,139,284; Dec. 6.
Riley, Ray. (See Bruce, W. M., and Riley.)
Rindl, Adolf and H., Cieszyn, Poland. Milk distribution apparatus and a can for use with the said apparatus. 2,139,208; Dec. 6.
Rindl, Honorata. (See Rindl, Adolf and H.)
Rineer, Arthur E., Dayton, Ohio. Drill chuck. 2,139,421; Dec. 6.
Ristau, Albert H. (See Grace, W. T., and Ristau.)
Ritcher, Paul O., and R. K. Calfee, assignors to University of Kentucky, Lexington, Ky. Vaporizer. 2,139,463; Dec. 6.
Ritter, Julius, Jr., assignor to Hartmann Trunk Company, Racine, Wis. Trunk angle construction. 2,139,518; Dec. 6.
Roberts, Eugene, Hastings, assignor to The Western States Machine Company, New York, N. Y. Gauging centrifugal linings. 2,139,464; Dec. 6.
Robertson, Ralph W., Los Angeles, Calif. Amplifying stringed instrument. 2,139,099; Dec. 6.
Robertson, Robert R., Chicago, assignor to The Translode Joint Company, Chicago Heights, Ill. Contraction joint with peripheral seal. 2,139,465; Dec. 6.
Robie, Norman P., assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Abrasive. 2,138,882; Dec. 6.
Robinson, David M., assignor to The Stanley Works, New Britain, Conn. Overhead door construction. 2,139,383; Dec. 6.
Robinson, Herbert M., Philadelphia, Pa., assignor to Reliable Machine Screw Sales Co., Inc., Newark, N. J. Coupling. 2,138,940; Dec. 6.
Robinson, Joseph, New York, N. Y., assignor of one-half to R. M. Wolvin. Automatic train pipe connecter. 2,138,883; Dec. 6.
Robinson, Joseph, New York, N. Y., assignor of one-half to R. M. Wolvin. Automatic train pipe connecter. 2,138,884; Dec. 6.
Roehm, Erwin G. (See Romaine, M., and Roehm.)
Roesch Porcelain Construction, Inc. (See Miner, John H., assignor.)
Röhm, Otto, Darmstadt, Germany. Producing dehaired hides with the aid of mold tryptases in alkaline solution. 2,139,209; Dec. 6.
Rohr, Henry C. (See Halbleib, E. A., Rohr, and Wallis.)
Rollins, Arch D., assignor, by mesne assignments, to Temporator Company, Chicago, Ill. Annunciator. 2,139,466; Dec. 6.
Romaine, Millard, Cincinnati, and E. G. Roehm, Norwood, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Control circuit for broaching machines. 2,139,173; Dec. 6.
Romulus Gray Iron Foundry. (See Seestedt, L. L., Ridge, and Luff, assignors.)
Roon, Leo, New York, N. Y., assignor to Nuodex Products Co. Inc., Newark, N. J. Liquids such as driers suitable for paint or varnish and processes for making them. 2,139,134; Dec. 6.
Roosenstein, Hans O., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Serrated wave form generator. 2,139,467; Dec. 6.
Rose, William, assignor to B. F. Gump Co., Chicago, Ill. Magnetic separator. 2,139,468; Dec. 6.
Rosenhauer, Erich, Dusseldorf-Benrath, assignor to the firm Henkel & Cie. G. m. b. H., Dusseldorf, Germany. Sulphuric acid derivatives of organic acid amides. 2,139,037; Dec. 6.
Ross, Joseph M., Bellaire, N. Y. Refrigerated insulation. 2,138,885; Dec. 6.
Rothert, Gerhard, Berlin-Siemensstadt, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telephone system. 2,139,135; Dec. 6.
Roudanez, Georges, Chicago, Ill. Automatic boiler pressure regulator. 2,138,941; Dec. 6.
Rounds, Harold E., Great Neck, N. Y. Collapsible carton. 2,138,984; Dec. 6.
Rowe, William W., Cincinnati, and W. A. Morris, Wyoming, assignors to The Paper Service Company, Lockland, Ohio. Process and machine for making crushed corrugated papers. 2,139,285; Dec. 6.
Rownd, Ralph D. (See Harris, Roy T., assignor.)
Ruau, Félix F., Deptford, London, assignor to Molins Machine Company, Limited, London, England. Cigarette making machine. 2,139,100; Dec. 6.
Rubatex Products, Inc. (See Peel, Frederick W., assignor.)
Ruggles, Henry F., Louisville, Ky. Automatic nut cracking machine. 2,138,942; Dec. 6.
Russell, Gordon W., Needham, assignor to James Russell Boiler Works Company, Boston, Mass. Tunneling shield. 2,139,563; Dec. 6.
Russell, James, Boiler Works Company. (See Russell, Gordon W., assignor.)
Russell, Robert C., Shaker Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Friction brake. 2,139,286; Dec. 6.
Russell, Robert P., Short Hills, N. J., assignor to Standard Oil Development Company. Producing polymers of olefines. 2,139,038; Dec. 6.
Rust, Noël M. (See Wright, G. M., and Rust.)
Sachse, Herbert, Berlin-Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Piezoelectric crystal electrode and method of forming the same. 2,139,469; Dec. 6.
Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Forming and filling bags. 2,139,039; Dec. 6.
Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Powder package. 2,139,040; Dec. 6.
Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Color packaging. 2,139,041; Dec. 6.
Sauerbier, Erwin, Berlin, Germany. Ballistic game apparatus. 2,139,210; Dec. 6.
Saunders, Walter S., assignor to The American Forging & Socket Company, Pontiac, Mich. Adjustable seat support. 2,139,174; Dec. 6.
Sauser A.-G. (See Wydler, Hermann, assignor.)
Sayre, Charles H. (See Evans, M. H., and Sayre.)
Schade, Frank S., assignor to National Blank Book Company, Holyoke, Mass. Combination drawing board and drawing tool. 2,139,177; Dec. 6.
Schaefer, Karl T. (See Taylor, J. I., and Schaefer.)
Schaeffer, Erich. (See Basel, G., and Schaeffer.)
Schamehorn, Arthur J., Milford, assignor to General Motors Corporation, Detroit, Mich. Recorder. 2,139,384; Dec. 6.
Schat, Ane P., Utrecht, Netherlands. Block for pulley tackles. 2,139,605; Dec. 6.
Scheeler, Charles A., assignor to Buffalo Wire Works Co., Inc., Buffalo, N. Y. Framed screen. 2,139,423; Dec. 6.
Scheinman, Sol, White Plains, and J. Mandel, Brooklyn, N. Y. Collapsible file. 2,139,520; Dec. 6.
Schiff, Henry T., Chicago, Ill. Shaving implement. 2,139,136; Dec. 6.
Schmeiser, Theodore G., Fresno, Calif. Portable load supporting structure. 2,139,470; Dec. 6.
Schmidt, Karl, Cologne-Muhlheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Metal azomethine compounds. 2,139,471; Dec. 6.
Schmitt, Richard H., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 2,139,519; Dec. 6.
Schmittutz, Carl, Bad Kissingen, Germany, assignor, by mesne assignments, to General Osmose Corporation, Dover, Del. Preserving standing poles. 2,139,422; Dec. 6.
Schneider, Frank H., assignor to The Floyd-Wells Company, Royersford, Pa. Range. 2,139,643; Dec. 6.
Schnell, Arthur E., and M. A. Beckmann, assignors to Aluminum Industries, Inc., Cincinnati, Ohio. Machining of cast pistons. 2,139,287; Dec. 6.
Scholz, Walter W., Woodstock, Ontario, Canada, assignor to Scott & Williams, Incorporated, New York, N. Y. Knitted hosiery and making same. 2,139,606; Dec. 6.
Schramm, Christopher H., Muskegon, Mich., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Soaking pit cover crane. 2,138,886; Dec. 6.
Schubert, Friedrich, Leverkusen, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs. 2,139,472; Dec. 6.
Schwartz, Nathan, New York, N. Y. Filter type respirator. 2,139,137; Dec. 6.
Schwartz, Nathan, Upper Darby, Pa. Knitted fabric. 2,139,607; Dec. 6.
Schwarze, Bruce H., and R. H. Bigler, Flint, assignors to General Motors Corporation, Detroit, Mich. Electric thermogauge-dash unit. 2,139,385; Dec. 6.
Schwarze, Bruce H., Flint, assignor to General Motors Corporation, Detroit, Mich. Electrically operated gauge. 2,139,386; Dec. 6.

Schweiss, Joseph, assignor to Carter Carburetor Corporation, St. Louis, Mo. Accelerating pump. 2,139,387; Dec. 6.
Schweller, Edmund F., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,139,521; Dec. 6.
Scott & Williams, Incorporated. (See Scholz, Walter W., assignor.)
Sears, Roebuck and Co. (See Felix, Otto, assignor.)
Sears, Roebuck and Co. (See Hultgren, Arnold P., assignor.)
Sears, Roebuck and Co. (See Ralston, H. D., and Felix, assignors.)
Sears, Roebuck and Co. (See Toskey, C. M., Feeney, and Colegrove, assignors.)
Seestedt, Henry W. (See Seestedt, L. L., Ridge, and Luff, assignors.)
Seestedt, Lloyd L., and D. Ridge, Romulus, Mich., and H. J. Luff, Cleveland Heights, Ohio, assignors to H. W. Seestedt, doing business as Romulus Gray Iron Foundry, Romulus, Mich. Grease separator for sinks and the like. 2,138,985; Dec. 6.
Segal, Samuel, Brooklyn, N. Y. Gearing for skates. 2,138,887; Dec. 6.
Seidl, Karl, Munich, Germany. Explosion actuated percussion tool. 2,139,608; Dec. 6.
Self, Edgar Alfred. (See Clarke, Douglas C., assignor.)
Servel, Inc. (See Nauert, Carl H., assignor.)
Sessions, Donald W., Willesden, London, England. Hydraulic jacking system for vehicles. 2,139,473; Dec. 6
Sessions, Frank L., Lakewood, Ohio. Method of and apparatus for welding tubing. 2,139,211; Dec. 6.
Shearer, Walter V. (See Householder, G., and Shearer.)
Sheffield Gage Corporation, The. See Aller, Willis F., assignor.)
Sheffield Gage Corporation, The. (See Poock, L. F., and Aller, assignors.)
Shell Development Company. (See Bejarano, Julio G., assignor.)
Shell Development Company. (See Engs, W., de Jong, and Tamele, assignors.)
Shell Development Company. (See Evans, T., and Edlund, assignors.)
Shell Development Company. (See Fairbairn, A. W., and Engs, assignors.)
Shell Development Company. (See Groll, Herbert P. A., assignor.)
Shell Development Company. (See Millar, R. W., and Groll, assignors.)
Shell Development Company. (See Tijmstra, Sijbren, assignor.)
Shell Development Company. (See Tulleners, Anton J., assignor.)
Shell Development Company. (See van Peski, Adrianus J., assignor.)
Shell Development Company. (See van Peski, A. J., and Tulleners, assignors.)
Shepard, David C. (See Brandt, William A., assignor.)
Shepard, Francis H., Jr., Rutherford, N. J., assignor to Radio Corporation of America. Integration indicating circuit. 2,139,474; Dec. 6.
Shepherd, Thomas C. R., Hale Barns, England, assignor to General Electric Company. Welding fluxes. 2,139,522; Dec. 6.
Shick, Lellah E., assignor of one-half to M. I. Ivie, Portland, Oreg. Metal dishcloth. 2,139,175; Dec. 6.
Shigley, William W., Belleville, N. J., assignor of one-half to E. D. Bush and one-half to C. A. Bush, Brooklyn, N. Y. Changeable light advertising device. 2,138,888; Dec. 6.
Shipley, Tolbott G., St. Louis, Mo., assignor to American Car and Foundry Company, New York, N. Y. Car construction. 2,139,288; Dec. 6.
Shoemaker, Bernard H., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Lubricating oil. 2,139,335; Dec. 6.
Sibille, John, Sunsett, assignor to Cotton Products Co., Inc., Opelousas, La. Vegetable brusher and grader. 2,139,318; Dec. 6.
Sidebotham, Melvin H., West Newton, assignor to Specialty Automatic Machine Company, Medford, Mass. Paper container for fluid. 2,139,626; Dec. 6.
Siemens & Halske, Aktiengesellschaft. (See Biniek, Georg, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Böhme, J., and Link, assignors.
Siemens & Halske, Aktiengesellschaft. (See Ebinger, Andreas, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Kreuzer, Friedrich, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Linder, Ludwig, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Rothert, Gerhard, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Sachse, Herbert, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Vatter, Hans, assignor.)
Sifico, A. G. (See Wahl, Karl, assignor.)
Silver, Walter H., assignor to Deere & Company, Moline, Ill. Tractor mounted implement. 2,139,042; Dec. 6.
Simon, Frederick G., Detroit, Mich. Fish bait or lure. 2,139,424; Dec. 6.
Simons, Raymond E., Fairview, Caseyville Township, St. Clair County, Ill. Sanitary drinking spout and bottle cap. 2,139,627; Dec. 6.
Simpson, Emory G., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Lid support. 2,139,336; Dec. 6.
Sims, Ernest M., Elkhart, Ind. Chair. 2,139,176; Dec. 6.
Sinkwich, Vincent J., Brooklyn, assignor of one-half to R. E. Marquis, New York, N. Y. Alkali solution dispenser for dishwashing machines. 2,138,943; Dec. 6.
Sisson, Vinton E., Winnetka, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company. Floor rack stringer. 2,139,043; Dec. 6.
Sisson, Vinton E., Winnetka, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company. Refrigerator car floor rack. 2,139,044; Dec. 6.
Skoda, Emil G., Bridgeport, Conn. Condiment dispenser. 2,139,289; Dec. 6.
Slater, Fred M., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Chuck mechanism for rock drills. 2,138,944; Dec. 6.
Slomer, William F., Detroit, Mich., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Apparatus and method for lapping gears. 2,139,290; Dec. 6.
Slye, Norman J. See Vaughan, F. P., Krueger, and Slye.)
Smith, Esther F. and H. H. Brookline, Mass. Wearing apparel. 2,138,822; Dec. 6.
Smith, Harry H. (See Smith, Esther F. and H. H.)
Smith, Henry B., and D. R. Swan, assignors to Eastman Kodak Company, Rochester, N. Y. Polyvinyl acetal resin sheets containing diphenyl ether. 2,138,889; Dec. 6.
Smith, Henry C., assignor to Superior Hand Brake Co., Chicago, Ill. Brake mechanism. 2,139,644; Dec. 6.
Smith, Hugh R., Los Angeles, Calif., assignor, by mesne assignments, to General Motors Corporation. Coin controlled refrigerating mechanism. 2,139,523; Dec. 6.
Smith, Hugh R., Los Angeles, Calif., assignor, by mesne assignments, to General Motors Corporation. Automatic coin controlled time registering electric switch. 2,139,524; Dec. 6.
Smithe, F. L., Machine Co. (See Novick, Abraham, assignor.)
Snell, Owens C., assignor of forty percent to R. R. Ratliff, Houston, Tex. Blow-out preventer. 2,139,525; Dec. 6.
Snell, Owens C., Houston, Tex. Blow-out preventer. 2,139,526; Dec. 6.
Snow Removal Equipment Company. (See Pruss, Hugo E., assignor.)
Société Générale des Carburateurs Zenith. (See Lichtenstein, Johann, assignor.)
Solberg, Thorvald A., Washington, D. C. System and apparatus for announcing time. 2,138,890; Dec. 6.
Soller, Walter, assignor of one-half to W. H. Woodin, Jr., Tucson, Ariz. Electron tube amplification system. 2,138,891; Dec. 6.
Solomon, Nathan L., Mount Vernon, N. Y. Comb. 2,139,106; Dec. 6.
Solvay Process Company, The. (See Weston, Charles F., assignor.)
Sonnenborn, L., Sons, Inc. (See Liberthson, Leo, assignor.)
Sonntag, Alfred, Moline, Ill., assignor, by mesne assignments, to American Machine & Metals, Inc., New York, N. Y. Impact testing machine. 2,139,527; Dec. 6.
Spafford, Allen L., assignor to Wood Conversion Company, Cliquet, Minn. Corrugated structure. 2,139,138; Dec. 6.
Specialty Automatic Machine Company. (See Sidebotham, Melvin H., assignor.)
Spencer, Lloyd, Alhambra, assignor to Lane-Wells Company, Los Angeles, Calif. Hydraulic pumping jack. 2,139,101; Dec. 6.
Sperry, Arthur G., Hollis, assignor to Intertype Corporation, Brooklyn, N. Y. Assembling elevator lock. 2,139,645; Dec. 6.
Sperry Gyroscope Company. (See Cooke, William T., assignor.)
Sperry Gyroscope Company. (See House, Frank R., assignor.)
Sperry Gyroscope Company. (See Moseley, F. L., Cooke, and Frische, assignors.)
Sperry-Sun Well Surveying Company. (See Davis, Harold S., assignor.)
Spitaler, Paul, Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Castings of aluminium alloys. 2,139,246; Dec. 6.
Standard Oil Company. (See Brown, A. B., and Diwoky, assignors.)
Standard Oil Company. (See Shoemaker, Bernard H., assignor.)
Standard Oil Development Company. (See Cohen, Charles A., assignor.)
Standard Oil Development Company. (See Matheson, George L., assignor.)
Standard Oil Development Company. (See Mikeska, L. A., and Lieber, assignors.)
Standard Oil Development Company. (See Russell, Robert P., assignor.)

Standard Oil Development Company. (See Wiezevich, Peter J., assignor.)
Standard Railway Equipment Manufacturing Company. (See Nicholas, Charles W., assignor.)
Standard Railway Equipment Manufacturing Company. (See Sisson, Vinton E., assignor.)
Standard Railway Equipment Manufacturing Company. (See Zeidler, Kurt E., assignor.)
Stanley Works, The. (See Robinson, David M., assignor.)
Stansel, Numan R., Schenectady, N. Y., assignor to General Electric Company. Electric induction furnace. 2,139,528; Dec. 6.
Steele, Lawrence C., Union, W. Va. Liquid treatment of metal sheets. 2,139,337; Dec. 6.
Stelk, Karl T., and J. F. Muller, Upper Montclair, assignors to National Oil Products Company, Harrison, N. J. Germicidal agent. 2,139,102; Dec. 6.
Steinen, William, South Orange, N. J. Handle and frame for dresser set utensils and the like. 2,139,564; Dec. 6.
Steinen, William, South Orange, N. J. Frame and handle assembly for mirrors, brushes, and the like. 2,139,565; Dec. 6.
Steiner Sales Company. (See Steiner, Frank G., assignor.)
Steiner, Frank G., Chicago, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah. Antiaccidental ignition means for match packages. 2,139,388; Dec. 6.
Steiner, Hans, assignor to Sulzer Frères, Societe Anonyme, Winterthur, Switzerland. Floating piston internal combustion engine. 2,139,425; Dec. 6.
Stevens, Claud L., Detroit, Mich. Wheel suspension. 2,139,178; Dec. 6.
Stigall, William H., Taft, Calif. Tubing bleeder and jar. 2,139,319; Dec. 6.
Stoelting Brothers Company. (See Stoelting, Carl R., assignor.)
Stoelting, Carl R., assignor to Stoelting Brothers Company, Kiel, Wis. Curd agitator. 2,139,338; Dec. 6.
Stokely, Ray L., Floral Park, assignor to Bell Telephone Laboratories Incorporated, New York, N. Y. Telephone system. 2,139,247; Dec. 6.
Stolte, Charles L., and P. Brang, Portland, Oreg. Angle hand piece. 2,138,945; Dec. 6.
Sträb, Hermann, Stuttgart, K. Reger, Stuttgart-Sillenbuch, and W. Dorn, assignors to Robert Bosch Gesellschaft mit beschrankter Haftung, Stuttgart, Germany. Process for the manufacture of electrostatic condensers. 2,138,892; Dec. 6.
Streicher, Johann S., assignor to The American Platinum Works, Newark, N. J. Treating palladium. 2,139,529; Dec. 6.
Strey, Laurence, et al. (See Partin, Albert, assignor.)
Stuckey, Samuel G., assignor to Obear-Nester Glass Company, St. Louis, Mo. Valve. 2,138,986; Dec. 6.
Stuhlmacher, Richard, Siegmar in Saxony, assignor to Wanderer-Werke vorm. Winklhofer & Jaenicke Akt.-Ges., Schonau, near Chemnitz, Germany. Machine tool and the like. 2,138,987; Dec. 6.
Sturm, Ernst. (See Greune, H., Sturm, and Reuter.)
Sturtevant, B. F., Company. (See McLane, Charles N., assignor.)
Sucetti, Glenn. (See Myers, J. B., and Sucetti.)
Sulzer Frères, Societe Anonyme. (See Steiner, Hans, assignor.)
Superior Hand Brake Co. (See Smith, Henry C., assignor.)
Swan, Donald R. (See Smith, H. B., and Swan.)
Switzer, Elder B. (See Wedge, R. E., and (Turner, assignor).)
Symington-Gould Corporation, The. (See Barrows, Donald S., assignor.)
Synder, Milford G., Belleville, N. J., assignor to The Chilton Pen Company, Inc., Long Island City, N. Y. Fountain pen. 2,139,045; Dec. 6.
Tamele, Miroslav W. (See Engs, W., de Jong, and Tamele.)
Taylor, Joseph L., and K. T. Schaefer, Elizabethton, Tenn., assignors to North American Rayon Corporation, New York, N. Y. Thread or fabric treatment. 2,139,389; Dec. 6.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Andrieu, Robert, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Bartels, Hans, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Berndt, W., and Gothe, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hollmann, Hans E., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Roosenstein, Hans O., assignor.)
Teleregister Corporation. (See Haselton, Merton L., assignor.)
Temporator Company. (See Rollins, Arch D., assignor.)
Ternstedt Manufacturing Company. (See Simpson, Emory G., assignor.)
Terry, Killey E., Cumberland Mills, Maine, assignor to S. D. Warren Company, Boston, Mass. Air doctor. 2,139,628; Dec. 6.
Terwilliger, Charles O., assignor, by mesne assignments, to The First National Bank of Birmingham, Birmingham, Ala. Making crystalline menthol. 2,139,390; Dec. 6.
Teves, Alfred, Maschinen und Armaturenfabrik Gesellschaft m. b. H. (See Engel, Ernst, assignor.)
Thiele, Max. (See Greune, H., Thiele, and Langbein.)
Thieme, Otto, West Hartford, Conn., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y. Combined typewriting and computing machine. 2,139,566; Dec. 6.
Thomas, Adelbert E., Rockland, Mass. Tying knife. 2,139,609; Dec. 6.
Thomas, Rosswell W., Birmingham, Mich., assignor to Phillips Petroleum Company. Automatic charge-over device. 2,138,988; Dec. 6.
Thomas, Rosswell W., Birmingham, and C. MacSporran, Detroit, Mich., assignors to Phillips Petroleum Company. Automatic change-over device. 2,138,989; Dec. 6.
Thys, Edouard, San Francisco, Calif. Hop separator. 2,139,046; Dec. 6.
Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,139,391; Dec. 6.
Tide Water Associated Oil Company. (See Lewis, Arthur W., assignor.)
Tijmstra, Sijbren, Berkeley, assignor to Shell Development Company, San Francisco, Calif. Extraction process. 2,139,392; Dec. 6.
Tilton, William A., Piqua, Ohio. Measuring device for looms. 2,139,610; Dec. 6.
Timken-Detroit Axle Company, The. (See Wilson, John A., assignor.)
Tingley Reliance Rubber Corporation. (See Jackson, Walter C., assignor.)
Tipton, Ray E. (See Cline, T. E., and Tipton.)
Tognola, Tullio, Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. High tension ignition system. 2,139,475; Dec. 6.
Tompkins, Charles A., Indianapolis, assignor to Mead Johnson & Company, Evansville, Ind. Food product for treatment of infantile diarrhea. 2,139,139; Dec. 6.
Tonjes, Henry, Jr., Wisner, Nebr. Guided plow hitch. 2,139,212; Dec. 6.
Topilan, Daniel, Watertown, Mass. Odor dispensing device. 2,139,291; Dec. 6.
Toro Manufacturing Corporation of Minnesota. (See Moyer, Amos F., assignor.)
Toskey, Chester M., Chicago, J. D. Feeney, Downers Grove, Ill., and C. E. Colegrove, Lakewood, Ohio, assignors to Sears, Roebuck and Co., Chicago, Ill. Sewing machine. 2,139,426; Dec. 6.
Toucher, Lewis. (See Marchek, Joseph H., assignor.)
Townsend, Thomas T., New York, N. Y. Automatic battery filling device. 2,139,476; Dec. 6.
Townsend, Thomas T., New York, N. Y. Automatic battery filling device. 2,139,477; Dec. 6.
Tramsak, John, assignor to The Columbian Vise & Manufacturing Company, Cleveland, Ohio. Vise. 2,139,292; Dec. 6.
Translode Joint Company, The. (See Robertson, Robert R., assignor.)
Traver Products Incorporated. (See Evans, M. H., and Sayre, assignors.)
Trickey, William W., Verona, assignor to Lock Joint Pipe Company, East Orange, N. J. Sealing pipe joints. 2,138,946; Dec. 6.
Tromp, Klaas F., Kerkrade, Netherlands. Process and apparatus for cleaning coals and other materials. 2,139,047; Dec. 6.
Tucker, Carll. (See Durst, I. F., Begun, and Barnett, assignors.)
Tulleners, Anton J. (See van Peski, A. J., and Tulleners.)
Tulleners, Anton J., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Purification of alcohols. 2,139,179; Dec. 6.
Turner, Leslie E. (See White, E. H., and Turner.)
Turner, Oliver C. (See Wedge, R. E., and Turner.)
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Spindle mounting for shuttles. 2,139,427; Dec. 6.
Twomley, Herbert E., Riverside, assignor to Food Machinery Corporation, San Jose, Calif. Variable speed mechanism. 2,139,048; Dec. 6.
Tyvand, Raymond E., Dayton, Ohio. Catheter forceps. 2,139,428; Dec. 6.
Underwood Elliott Fisher Company. (See Beach, Raymond S., assignor.)
Underwood Elliott Fisher Company. (See Kurowski, Alfred G. F., assignor.)
Underwood Elliott Fisher Company. (See Neidich, Samuel A., assignor.)
Underwood Elliott Fisher Company. (See Thieme, Otto, assignor.)
Unger, Paul O., Elmhurst, assignor to Wilson-Jones Company, Chicago, Ill. Transfer fork. 2,138,947; Dec. 6.
Union Carbide and Carbon Corporation. (See Becket, F. M., and Franks, assignors.)
Union Ice Company, The. (See Hughes, George, assignor.)
Union Railway Equipment Company. (See Zane, Edward, assignor.)
Union Switch & Signal Company, The. (See Abeloos, Paul, assignor.)
Union Switch & Signal Company, The. (See Gilson, Robert M., assignor.)
Union Switch & Signal Company, The. (See Girardin, Louis, assignor.)
United Aircraft Corporation. (See Hobbs, Leonard S., assignor.)
United Shoe Machinery Corporation. (See Bertrand, Frederic E., assignor.)

United Shoe Machinery Corporation. (See Cuozzo, Michele, assignor.)
United Shoe Machinery Corporation. (See Finn, Sidney J., assignor.)
United Shoe Machinery Corporation. (See MacDonald, Clifford K., assignor.)
United States Cabinet Bed Co. (See Martin, Joseph, assignor.)
U. S. Electrical Motors, Inc. (See Myers, Thomas G., assignor.)
United States Rubber Products, Inc. (See Bassford, Henry H., Jr., assignor.)
United States Rubber Products, Inc. (See Foster, Boutwell H., assignor.)
Universal Insulation Company. (See Ericson, Richard, assignor.)
Universal Insulation Company. (See Myers, J. B., and Sucetti, assignors.)
Universal Oil Products Company. (See Morrell, Jacque C., assignor.)
Universal Oil Products Company. (See Pyzel, Robert, assignor.)
Universal Paper Products Company. (See Amberg, Walter E., assignor.)
University of Kentucky. (See Ritcher, P. O., and Calfee, assignors.)
Upton, Louis C., St. Joseph, Mich., assignor to Nineteen Hundred Corporation, Binghamton, N. Y. Bench. 2,139,248; Dec. 6.
Urschel, William E., Valparaiso, Ind. Vegetable peeler. 2,139,180; Dec. 6.
Utne, Olav. (See Mensendieck, E. M., and Utne.
Vanadium Corporation of America. (See Norris, George L., assignor.)
Vanderbilt, Byron M. (See Hass, H. B., and Vanderbilt.)
Vanderbilt, R. T., Company. (See Alton, William H., assignor.)
Vanderhider, Henry M., San Antonio, Tex. System of transmission. 2,139,103; Dec. 6.
Van Dyke, John W., assignor to The Atlantic Refining Company, Philadelphia, Pa. Enameled sign and attaching same. 2,139,049; Dec. 6.
Van Geel, Willem C. (See de Boer, J. H., and van Geel.)
Van Peski, Adrianus J., and A. J. Tulleners, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Production of alkyl ester salts. 2,139,393; Dec. 6.
Van Peski, Adrianus J., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Esters of polymerized organic compounds. 2,139,394; Dec. 6.
Van Um, John H., Lakewood, Ohio. Molding retainer clip. 2,139,567; Dec. 6.
Vatter, Hans, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft Siemensstadt, near Berlin, Germany. Applying metallic coatings to ceramic bodies. 2,139,431; Dec. 6.
Vaughan, Frank P., A. G. Krueger, and N. J. Slye, assignors to Bay West Paper Company, Green Bay, Wis. Dispenser for paper articles. 2,139,339; Dec. 6.
Velsicole Corporation. (See Hyman, Julius, assignor.)
Verre, John, Los Angeles, Calif. Sunglass. 2,139,213; Dec. 6.
Vickers, Harry F., Detroit, Mich. Viscosity compensating device. 2,139,050; Dec. 6.
Viehmann, John C., Flushing, N. Y. Extension leaf table. 2,139,140; Dec. 6.
Vincent, Russell S., assignor to Callender's Cable and Construction Company, Limited, London, England. Manufacture of electric cables. 2,139,051; Dec. 6.
Vivaudou, Jean E., New York, N. Y. Electric eye rifle. 2,139,530; Dec. 6.
Volck, William H., Watsonville, assignor to California Spray-Chemical Corporation, Berkeley, Calif. Tobacco insecticide and making same. 2,139,340; Dec. 6.
Vulcan Corporation. (See Clausing, George, assignor.)
Vullings, Theodore M., Grand Rapids, Mich. Heater for house trailers. 2,139,141; Dec. 6.
Wachs, Frank C. (See Jones, F. E., and Wachs.)
Wacker, Dr. Alexander, Gesellschaft für Elektrochemische Industrie, G.m. b. H. (See Basel, G., and Schaeffer, assignors.)
Wagner, Georges E., Saint-Etienne (Loire), France, assignor to "Ergavia S. A.", Lausanne, Switzerland. Cooling device for electric generators. 2,138,990; Dec. 6.
Wahl, Karl, Berlin-Treptow, Germany, assignor to Sifico A. G., Schaffhausen, Switzerland. Perforation of an unperforated positive film in correspondence with perforated negative film. 2,139,214; Dec. 6.
Wahlsten, Gösta. (See Lysholm, A., and Wahlsten.)
Walker, Brooks, Piedmont, Calif. Motor vehicle. 2,139,341; Dec. 6.
Walker, Nelson, Flint, assignor to General Motors Corporation, Detroit, Mich. Radiator pressure cap. 2,139,395; Dec. 6.
Wallace, Samuel K., Memphis, Tenn. Truck ice loading and unloading device. 2,138,893; Dec. 6.
Wallgren, Paul T., Chicago, Ill. Portable workbench. 2,139,293; Dec. 6.
Wallis, Cyril T. (See Halbleib, E. A., Rohr, and Wallis.)
Walsh, Carroll H. (See Pittman, R. R., and Walsh.)
Walton, Lester G. (See Ford, W. H., and Walton.)
Wanderer-Werke vorm. Winklhofer & Jaenicke Akt.-Ges. (See Pfeiffer, Jacob F., assignor.)
Wanderer-Werke vorm. Winklehofer & Jaenicke. (See Stuhlmacher, Richard, assignor.)
Ward, Howard A. (See Barker, Frederick W. and L. C.)
Ware, Paul, New York, N. Y. Radio paging system. 2,138,894; Dec. 6.
Warne, Frederick C., assignor to Farm Tools, Inc., Mansfield, Ohio. Wide single tractor disk harrow. 2,138,948; Dec. 6.
Warren, S. D., Company. (See Reilly, Arthur, assignor.)
Warren, S. D., Company. (See Terry, Killey E., assignor.)
Washington Institute of Technology, Inc., The. (See Brockstedt, Theophile E., assignor.)
Washington Institute of Technology. (See Davies, G. L., and Orton, assignors.)
Washington Institute of Technology, Inc. (See Kear, Frank G., assignor.)
Washington Institute of Technology, Inc. (See Lydrand, Daniel O., assignor.)
Washington Institute of Technology, Inc. (See Wintermute, G. H., and Davies, assignors.)
Wasson, Clinton L., Muncie, Ind. Forming zinc sheets. 2,139,215; Dec. 6.
Waterman Company, L. E. (See Larsen, Gabriel, assignor.)
Wedge, Raymond E., and O. C. Turner, said Turner assignor to E. B. Switzer, Kansas City, Mo. Cut-out for split phase motors. 2,139,531; Dec. 6.
Weggum, Gust, Cooley, Minn., assignor to The Reclamation Company. Cable protecting device. 2,139,396; Dec. 6.
Weigant, Anthony, Portland, Oreg. Three-way swivel. 2,139,294; Dec. 6.
Weith, George S. (See Dresch, I. J., and Weith.)
Welch, Floyd D., Shreveport, La. Awning. 2,139,611; Dec. 6.
Welch, Paul V., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,139,249; Dec. 6.
Weidman, Fred, Detroit, Mich. Flight retarder for airships. 2,138,949; Dec. 6.
Wells, Walter T., Glendale, assignor, by mesne assignments, to Lane-Wells Company, Los Angeles, Calif. Pressure equalizing and surge relief device for gun perforators. 2,139,104; Dec. 6.
Wells, Walter T., Glendale, assignor to Lane-Wells Company, Los Angeles, Calif. Pressure indication within well bores. 2,139,105; Dec. 6.
Werkman, Theodore, Los Angeles, Calif. Flexible arch support. 2,138,823; Dec. 6.
Wertz, Harvey C., Beaver Falls, Pa. Adjustable ladder. 2,139,479; Dec. 6.
Westerman, Hyman, San Francisco, Calif. Man's garment. 2,139,532; Dec. 6.
Western Electric Company. (See Purdy, Chester, A., assignor.)
Western States Machine Company, The. (See Roberts, Eugene, assignor.)
Westinghouse Air Brake Company, The. (See McKinstry, Charles H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Anderson, W. E., and Linder, assignors.)
Westinghouse Electric & Manufacturing Company. (See Gano, Harlan S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Jordan, Richard H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Monromtseff, I. E., and Noble, assignors.)
Weston, Charles F., Prince George County, Va., assignor, by mesne assignments, to The Solvay Process Company, New York, N. Y. Purification of materials containing nitrite. 2,139,142; Dec. 6.
Wesphal, Kurt. (See Andersag, H., and Westphal.)
Wheeler, Lester L., assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Staple driving machine. 2,139,342; Dec. 6.
Whisk, Samuel M., Brooklyn, N. Y. Elimination of atmospheric radio disturbances. 2,139,533; Dec. 6.
White, Everett H., and L. E. Turner, St. Paul, Minn.; said Turner assignor to said White. Remote control mechanism. 2,139,052; Dec. 6.
White, Ted M. (See Lerch, W. B., and White.)
Whitehead & Kales Company. (See Kales, William R., assignor.)
Whitehead & Kales Company. (See Kales, W. R., Judd, Huebshman, and Helms, assignors.)
Whitehead, William, Cumberland, Md., assignor to Celanese Corporation of America. Producing yarn. 2,138,950; Dec. 6.
Wiczevich, Peter J., Elizabeth, N. J., now by judicial change of name P. J. Gaylor, assignor to Standard Oil Development Company. Rubber compositions and preparing same. 2,138,895; Dec. 6.
Wigglesworth, Albert W., assignor to Hill-Clarke Machinery Co., Chicago, Ill. Motor driven headstock for machine tools. 2,139,397; Dec. 6.
Williams, Charles B., Macon, Mo. Stovepipe anchor. 2,139,053; Dec. 6.
Williams, C. K., & Co. (See Ayers, Joseph W., assignor.)
Williams, Floyd E. (See Moffett, E. W., Winkelmann, and Williams.)
Williams, Lester J., assignor to Carl Braun, Inc., Canastota, N. Y. Measuring mechanism. 2,139,478; Dec. 6.

Williams, Robert C., and H. M. Bone, assignors to The Ironsides Company, Columbus, Ohio. Surface treating fibrous rope or cordage. 2,139,343; Dec. 6.
William, Roger D., et al. (See Frey, Henry, assignor.)
Williamson, Marshall L., Edgewater, N. J. Display receptacle. 2,139,534; Dec. 6.
Wilson, Ira G. (See Kinzer, J. P., and Wilson.)
Wilson, John A., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Humidifier. 2,139,429; Dec. 6.
Wilson-Jones Company. (See Unger, Paul O., assignor.)
Wilson, Savannah W., Johnstown, Pa. Heater for automobiles. 2,139,612; Dec. 6.
Wilson, Sidney C., assignor to Econo Products, Inc., Rochester, N. Y. Producing printing plates. 2,139,054; Dec. 6.
Wingfoot Corporation. (See Calvert, William C., assignor.)
Winkelmann, Herbert A. (See Moffett, E. W., Winkelmann, and Williams.)
Wintermute, Gerald H., Newton, N. J., and G. L. Davies, Cleveland, Ohio, assignors to Washington Institute of Technology, Inc., Washington, D. C. Control means for radio landing systems. 2,139,061; Dec. 6.
Winthrop Chemical Company. (See Andersag, H., and Westphal, assignors.)
Wirth, Walter V. (See Biswell, C. B., and Wirth.)
Wiswell, Norman N., Los Angeles, Calif. Collapsing container and collapsing device. 2,139,143; Dec. 6.
Witham, George S., Jr., Portland, Oreg. Agitating tank for liquids. 2,139,430; Dec. 6.
Wolverine Tube Company. (See Bradley, G. H., and Clifford, assignors.)
Wolverine Tube Company. (See Klopsch, O. Z., and Bradley, assignors.)
Wolvin, Roy M. (See Robinson, Joseph, assignor.)
Wood Conversion Company. (See Spafford, Allen L., assignor.)
Wood, John, Manufacturing Company. (See Demers, Isalé J. B., assignor.)
Woodin, William H., Jr. (See Soller, Walter, assignor.)
Woodling, George V., Wilkinsburg, Pa. Measuring and regulating device. 2,139,295; Dec. 6.
Wright, George M. (See Brett, G. F., and Wright.)
Wright, George M., Bicknacre, and N. M. Rust, Chelmsford, England, assignors to Radio Corporation of America. High frequency system having remote control. 2,139,055; Dec. 6.
Wright, Silas M. (See Collins, J., and Wright.)
Wydler, Hermann, Berne, assignor to the firm Sauser A.-G., Soleure, Switzerland. Counting mechanism for liquid dispensing apparatus. 2,139,216; Dec. 6.
Wyeth, John, & Brother, Incorporated. (See Bird, John C., assignor.)
Yager, George F. (See McKercher, D., and Yager.)
Yeager, Milburn E., West Somerville, Mass. assignor to National Engineering Manufacturing Company. Underfeed stoker equipment. 2,139,144; Dec. 6.
Yonkers, Edward H., Jr., Chicago, Ill. Negative resistance. 2,138,896; Dec. 6.
York Ice Machinery Corporation. (See Bergdoll, John G., assignor.)
York Ice Machinery Corporation. (See Neubauer, Emil T., assignor.)
Young, John W., Jamaica, N. Y. Loose leaf binder. 2,139,480; Dec. 6.
Young, Royal A., Walsh, Colo. Fastening device. 2,139,145; Dec. 6.
Young, William R., Fairfield, Conn., assignor to General Electric Company. Electrical connecter. 2,139,535; Dec. 6.
Yount, Willis H., Oakland, Calif., assignor to American Tractor Equipment Corporation. Hoist. 2,138,824; Dec. 6.
Zane, Edward, assignor to Union Railway Equipment Company, Chicago, Ill. Refrigerator car ice basket. 2,139,536; Dec. 6.
Zeidler, Kurt E., Pittsburgh, Pa., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company. Floor rack for refrigerator cars. 2,139,056; Dec. 6.
Zingone, Anthony E., New York, N. Y. Multiple hood hair drying apparatus. 2,139,250; Dec. 6.
Zum-Berge, Emil H., assignor of one-seventh to G. Klein, Dallas, Tex. Self-expanding and cleaning earth reamer. 2,139,323; Dec. 6.
Zworykin, Vladimir K., Philadelphia, Pa., assignor to Radio Corporation of America. Cathode ray tube. 2,139,296; Dec. 6.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 6TH DAY OF DECEMBER, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Combustion, Apparatus for producing. G. S. Meikle. Re. 20,939; Dec. 6.
Grinding. J. V. Slade. Re. 20,941; Dec. 6.
Lamp bulb seat and socket combination, Miniature electric. P. Kollsman. Re. 20,937; Dec. 6.
Necktie. J. Weisbaum. Re. 20,942; Dec. 6.
Oils, Purifying hydrocarbon. C. O. Hoover. Re. 20,938; Dec. 6.
Paper, Decalcomania. L. Davis. Re. 20,936; Dec. 6.
Plate, Utility. H. H. Collins. Re. 20,934; Dec. 6.
Power apparatus. L. S. Troell. Re. 20,940; Dec. 6.
Signal device. W. R. Curtiss. Re. 20,935; Dec. 6.
Trim panel, Automobile. H. J. Woodall. Re. 20,943; Dec. 6.

LIST OF DESIGN INVENTIONS

Aerial, Automobile top. T. J. Prentice. 112,487; Dec. 6.
Air conditioning unit or similar article. W. H. Sones. 112,489; Dec. 6.
Airplane. J. G. Taylor and H. W. Case. 112,490; Dec. 6.
Ash receiver or similar article. H. Bohme. 112,454; Dec. 6.
Ashtray. J. Bierman. 112,431; Dec. 6.
Bottle. W. R. Kohl. 112,462; Dec. 6.
Bottle. F. N. Lewis. 112,464; Dec. 6.
Bottle, Perfume. S. J. Eisenberg. 112,433; Dec. 6.
Cabinet, Phonograph. W. Nathanson. 112,485; Dec. 6.
Case, Wrist watch. J. R. Graef. 112,417; Dec. 6.
Cautery unit. J. A. Korengold. 112,435; Dec. 6.
Chair. H. A. Sperlich. 112,453; Dec. 6.
Cover or the like, Seat. J. Kletsky. 112,450; Dec. 6.
Doll. F. E. Weidhass. 112,441; Dec. 6.
Doll, Novelty. M. J. Hackman. 112,434; Dec. 6.
Dress. N. Abelson. 112,493–4; Dec. 6.
Dress. E. Breer. 112,475; Dec. 6.
Dress. M. Cohn. 112,458; Dec. 6.
Dress. T. Coleman. 112,477–8; Dec. 6.
Dress. T. Coleman. 112,495–6; Dec. 6.
Dress. B. Fried. 112,459–60; Dec. 6.
Dress. M. Frumkin. 112,499; Dec. 6.
Dress. A. S. Kaplan. 112,500; Dec. 6.
Dress. H. Lentini. 112,483; Dec. 6.
Dress. M. M. Levine. 112,501; Dec. 6.
Dress. A. Magesis. 112,466; Dec. 6.
Dress. D. W. Price. 112,488; Dec. 6.
Dress. P. A. Santoro. 112,502; Dec. 6.
Dress. M. Stone. 112,471–2; Dec. 6.
Dress. L. Wals. 112,505; Dec. 6.
Dress. P. Zuhn. 112,506; Dec. 6.
Dress. H. Zinn. 112,507–8; Dec. 6.
Dress, Convertible evening. M. Rosenbluth. 112,469; Dec. 6.
Dress ensemble. T. Coleman. 112,476; Dec. 6.
Dress ensemble. T. Coleman. 112,497; Dec. 6.
Dress or similar article. A. H. Morris. 112,468; Dec. 6.
Drilling unit, Rotary well. A. R. Meier. 112,465; Dec. 6.
Fabric or similar article, Textile. M. Turpan. 112,491–2; Dec. 6.
Fabric or similar article, Textile. M. Turpan. 112,504; Dec. 6.
Fabric, Textile. I. Strauss. 112,503; Dec. 6.
Fabric, Woven pile. R. R. Matthews. 112,484; Dec. 6.
Fastener, Slide. T. A. Hersh. 112,418–26; Dec. 6.
Fitting, Pressure control. E. E. Cline. 112,479; Dec. 6.
Frame for mirrors or the like. L. Marder. 112,438; Dec. 6.
Goblet or similar article. A. J. Cunningham. 112,442–5; Dec. 6.
Handbag. F. N. Lewis. 112,436–7; Dec. 6.
Jacket. S. Etkin. 112,498; Dec. 6.
Lamp. H. Bohme. 112,457; Dec. 6.
Lens or the like article, Lighting fixture. J. Levy. 112,463; Dec. 6.
Marker, Traffic. C. A. Glock. 112,461; Dec. 6.
Mirror, Toilet. W. J. Bohn. 112,432; Dec. 6.
Ornament, Automobile radiator. D. J. Nusz. 112,486; Dec. 6.
Pad or similar article, Hot dish. T. T. Grimsdale. 112,448; Dec. 6.
Paperweight or similar article. H. Bohme. 112,455; Dec. 6.
Penholder, Desk. H. Bohme. 112,456; Dec. 6.
Plate or similar article. R. R. Kostellow. 112,451; Dec. 6.
Platter, Serving. M. Dreilinger. 112,446; Dec. 6.
Pool, Play. W. I. Smith. 112,440; Dec. 6.
Protector for drinking vessels, Lip. M. L. Hall. 112,449; Dec. 6.
Radiator section, Heat. A. E. Paige. 112,439; Dec. 6.
Shelf and brackets therefor or similar article, Combined kitchen. A. M. Feldman. 112,447; Dec. 6.
Shoe. J. L. Bitterman. 112,416; Dec. 6.
Shroud, Automobile exhaust. L. A. Koch. 112,480–2; Dec. 6.
Signal, Street traffic. H. M. Young. 112,473; Dec. 6.
Signboard. A. L. Bauers. 112,430; Dec. 6.
Sole and heel, Combined rubber. A. E. Tebbutt. 112,429; Dec. 6.
Spoon or other article of flatware. A. G. Kintz. 112,427–8; Dec. 6.
Table, Fitting. A. J. Oker. 112,452; Dec. 6.
Toy or similar article. I. Steinhardt. 112,470; Dec. 6.
Tube or similar article, Cathode ray. R. M. Bowie. 112,474; Dec. 6.
Waist. M. Mascitelli. 112,467; Dec. 6.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 6TH DAY OF DECEMBER, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive. N. P. Robie. 2,138,882; Dec. 6.
Abrasive articles, Manufacture of bonded. R. C. Benner and P. de Leeuw. 2,138,829; Dec. 6.
Abrasive articles, Production of. R. C. Benner and P. de Leeuw. 2,138,830; Dec. 6.
Abrasive elements, Making. J. E. Powell. 2,139,206; Dec. 6.
Accelerating pump. J. Schweiss. 2,139,387; Dec. 6.
Acid compounds, Preparing picric. J. C. Bird. 2,139,400; Dec. 6.
Acid derivatives of organic acid amides, Sulphuric. E. Rosenhauer. 2,139,037; Dec. 6.
Acid of the dioxazine series, Dyestuff-sulphonic. H. Greune, M. Thiele, and G. Langbein. 2,139,617; Dec. 6.
Acid, Preparation of guanyl-urea sulphonic. H. Z. Lecher and A. E. Pierce. 2,139,621; Dec. 6.
Acids, Barbituric. G. Heilner. 2,139,583; Dec. 6.
Acids, Dioxazine sulphonic. H. Greune, E. Sturm, and M. Reuter. 2,139,119; Dec. 6.
Address system, Public. I. F. Durst, S. J. Begun, and H. Barnett. 2,139,006; Dec. 6.
Adjustable seat. C. Bittner. 2,139,253; Dec. 6.
Advertising and apparatus for use in connection therewith. J. Oliveri. 2,139,281; Dec. 6.
Advertising device, Changeable light. W. W. Shigley. 2,138,888; Dec. 6.
Aggregate coating apparatus. K. E. McConnaughay. 2,139,027; Dec. 6.
Agitating means for washing machines. M. M. Jackson. 2,139,501; Dec. 6.
Agitator, Curd. C. R. Stoelting. 2,139,338; Dec. 6.
Airbrush. J. A. Paasche. 2,139,133; Dec. 6.
Air conditioning system, Reversible flow. H. D. Euwer. 2,139,262; Dec. 6.
Aircraft undercarriage. P. Krekel. 2,139,192; Dec. 6.
Airships, Flight retarder for. F. Weidman. 2,138,949; Dec. 6.
Alcohol by fermentation, Production of butyl. C. F. Arzberger. 2,139,108; Dec. 6.
Alcohol by fermentation, Production of butyl. E. H. Carnarius and W. N. McCutchan. 2,139,111; Dec. 6.
Alcohols, Producing unsaturated. W. Engs, H. W. de Jong, and M. W. Tamele. 2,139,115; Dec. 6.
Alcohols, Purification of. A. J. Tulleners. 2,139,179; Dec. 6.
Alloy: *See*—
Copper alloy.
Alloys for addition to iron and steel. G. L. Norris. 2,139,515–6; Dec. 6.
Alpha-substituted glycerol nitrates. H. P. A. Groll. 2,139,364; Dec. 6.
Alum solution for paper sizing, Preparation of. J. A. De Cew. 2,138,840; Dec. 6.
Amino-acid derivatives and their manufacture. M. Iselin and J. Bindler. 2,139,190; Dec. 6.
Aminoalcohol. H. B. Hass and B. M. Vanderbilt. 2,139,123; Dec. 6.
Aminoalcohols. H. B. Hass and B. M. Vanderbilt. 2,139,124; Dec. 6.
Aminoalcohols, Aliphatic. H. B. Hass and B. M. Vanderbilt. 2,139,122; Dec. 6.
Amplifier, Push-pull. H. Bartels. 2,138,898; Dec. 6.
Amusement device. H. C. Hubbard and E. G. Davis. 2,138,859; Dec. 6.
Amusement device, Aquatic. J. G. Johnson. 2,139,022; Dec. 6.
Anchor, Bolt. G. W. Marshall. 2,139,167; Dec. 6.
Anchor, Stovepipe. C. B. Williams. 2,139,053; Dec. 6.
Angle head piece. C. L. Stolte and P. Brong. 2,138,945; Dec. 6.
Annunciator. A. D. Rollins. 2,139,466; Dec. 6.
Antenna system, Motor vehicle. H. C. Forbes. 2,138,961; Dec. 6.
Antenna system, Short wave. W. Berndt and A. Gothe. 2,138,900; Dec. 6.
Antiaircraft fire control device, Nocturnal. F. R. House. 2,139,636; Dec. 6.
Antiaircraft sight, Universal. F. R. House. 2,139,635; Dec. 6.
Antioxidant. P. C. Jones. 2,138,924; Dec. 6.
Apparatus for handling material in mines. T. F. McCarthy. 2,139,129; Dec. 6.
Apparel, Wearing. E. F. and H. H. Smith. 2,138,822; Dec. 6.
Apron for flatwork ironers. C. D. Fleming. 2,139,544; Dec. 6.
Arch support, Flexible. T. Werkman. 2,138,823; Dec. 6.
Assembling elevator lock. A. G. Sperry. 2,139,645; Dec. 6.
Atomizing device. W. R. Kuzelka. 2,139,506; Dec. 6.
Awning. F. D. Welch. 2,139,611; Dec. 6.
Axles, Apparatus for making hollow pressed. E. Lanto. 2,138,867; Dec. 6.
Azomethine compounds, Metal. K. Schmidt. 2,139,471; Dec. 6.
Bacteria in liquids, Destroying. L. A. Chambers. 2,138,839; Dec. 6.
Bag: *See*—
Garment bag.
Bags, Forming and filling. L. L. Salfisberg. 2,139,039; Dec. 6.
Bailer. P. G. Gates. 2,139,075; Dec. 6.
Bait or lure, Fish. F. G. Simon. 2,139,424; Dec. 6.
Band and making same, Ornamental. H. I. Farnsworth. 2,139,541; Dec. 6.
Bar: *See*—
Cutter chain and cutter bar.
Bar support, Drop wire. I. W. Noyes. 2,139,456; Dec. 6.
Barbecue machine. K. E. Bemis. 2,138,813; Dec. 6.
Basket, Cooking. R. T. Harris. 2,138,967; Dec. 6.
Basket, Refrigerator car ice. E. Zane 2,139,536; Dec. 6.
Battery charging apparatus. R. M. Gilson. 2,139,330; Dec. 6.
Battery filling device, Automatic. T. T. Townsend. 2,139,476–7; Dec. 6.
Battery plate powders into litharge, Conversion of spent. R. M. Cole. 2,139,069; Dec. 6.
Bearings, Making. D. McKercher and G. F. Yager. 2,139,555; Dec. 6.
Bedpan. F. E. Jones and F. C. Wachs. 2,139,273; Dec. 6.
Belt and grader screen, Combination endless conveyer. N. H. Norris. 2,139,380; Dec. 6.
Belt structure, Wire fabric. R. J. Guba. 2,139,495; Dec. 6.
Bench. L. C. Upton. 2,139,248; Dec. 6.
Beverages, Manufacturing yeast fermented. H. Heuser. 2,139,408; Dec. 6.
Binder, Loose leaf. C. B. Hammen. 2,139,159; Dec. 6.
Binder, Loose leaf. J. W. Young. 2,139,480; Dec. 6.
Blasting cap, Delay electric. E. J. Hanley. 2,139,581; Dec. 6.
Block for pulley tackles. A. P. Schat. 2,139,605; Dec. 6.
Blower. J. G. Catranis. 2,139,112; Dec. 6.
Blower fan impeller. R. E. Bressler. 2,138,814; Dec. 6.
Blow-out preventer. O. C. Snell. 2,139,525–6; Dec. 6.
Board: *See*—
Display board.
Board and drawing tool, Combination drawing. F. S. Schade. 2,139,177; Dec. 6.
Bobbin-case controlling device. H. Pudelko. 2,138,939; Dec. 6.
Boiler pressure regulator, Automatic. G. Roudanez. 2,138,941; Dec. 6.
Bolt or nut lock. C. A. Jessop. 2,139,590; Dec. 6.
Bolt, Spring lock. N. Dupuis. 2,138,843; Dec. 6.
Book stitcher. J. J. Governale. 2,139,118; Dec. 6.
Bottle breaking tool. E. A. Mirz. 2,138,931; Dec. 6.
Bottle collar. L. P. Neher. 2,139,031; Dec. 6.
Bottle, Nonrefillable. L. A. Ihlein. 2,139,020; Dec. 6.
Box: *See*—
Match box. Reclosable box.
Boxes, Making folding. R. W. Hong. 2,139,268; Dec. 6.
Brace. P. Gallett. 2,139,187; Dec. 6.
Brake: *See*—
Fluid pressure brake. Multiple shoe brake.
Friction brake. Vehicle brake.
Hand brake.
Brake lining, Quick detachable. L. S. Hunter. 2,139,409; Dec. 6.
Brake mechanism. H. C. Smith. 2,139,644; Dec. 6.
Brake pedal depressor. M. H. Evans and C. H. Sayre. 2,138,911; Dec. 6.
Braking. A. Lysholm and G. Wahlsten. 2,139,090; Dec. 6.
Breech mechanism. H. Lauf. 2,138,972; Dec. 6.
Broiler. H. S. Pletcher, M. Bishop, and B. C. Jones. 2,139,382; Dec. 6.
Brush and bristles therefor. R. Marogg. 2,138,872; Dec. 6.
Brusher and grader, Vegetable. J. Sibille. 2,139,318; Dec. 6.
Building construction. H. H. Keller. 2,138,927; Dec. 6.
Building construction, Hollow wall. W. A. Pride. 2,139,461; Dec. 6.
Building construction, Prefabricated. H. W. Corbett and H. Hasenburger. 2,138,958; Dec. 6.
Burner unit. J. P. Broslus. 2,138,998; Dec. 6.
Button, Tufting. J. Martin. 2,139,128; Dec. 6.
Cabinet construction for radio receivers. F. Cutting and H. A. Gates. 2,138,959; Dec. 6.

Cable connecter. A. Corbett and J. M. G. Fullman. 2,139,259; Dec. 6.
Cable protecting device. G. Weggum. 2,139,396; Dec. 6.
Cables, Apparatus for producing steel. W. H. Furness. 2,139,011; Dec. 6.
Cables, Manufacture of electric. R. S. Vincent. 2,139,051; Dec. 6.
Calculating machine. R. L. Muller. 2,139,131; Dec. 6.
Calculating machine. R. L. Muller. 2,139,168-9; Dec. 6.
Can: *See*—
  Powder dispensing can.
Cap: *See*—
  Blasting cap. Radiator pressure cap.
Cap lock. R. I. Lamothe and S. E. McFarland. 2,139,193; Dec. 6.
Cap of the soft-rubber type, Attachment plug. F. C. Kollath. 2,139,450; Dec. 6.
Capping and printing machine, Combined. G. W. Booth. 2,139,573; Dec. 6.
Car construction, Method of. T. G. Shipley. 2,139,288; Dec. 6.
Car cooler. G. Hughes. 2,139,500; Dec. 6.
Car coupler operating mechanism. C. W. Nicholas. 2,139,032; Dec. 6.
Carbon black, Manufacture of. H. J. Hunter. 2,139,584-5; Dec. 6.
Carburetor device. I. E. Coffey. 2,139,355; Dec. 6.
Carburetor structure. I. E. Coffey. 2,139,356; Dec. 6.
Card holder. M. Meyerson. 2,139,556; Dec. 6.
Carriage mounting. A. M. Johnson. 2,139,234; Dec. 6.
Carton. E. Mandusky. 2,139,127; Dec. 6.
Carton, Collapsible. H. E. Rounds. 2,138,984; Dec. 6.
Case: *See*—
  Cigarette case.
Casing for boilers, heater units, and air conditioning units. M. S. Hall. 2,139,618; Dec. 6.
Castings of aluminium alloys. P. Spitaller. 2,139,246; Dec. 6.
Catalogue or file, Upright loose-leaf. H. D. Ralston and O. Felix. 2,138,848; Dec. 6.
Catalyst, Preparing. G. L. Matheson. 2,139,026; Dec. 6.
Catalytic material from spent catalytic material, Reclaiming. M. Raney. 2,139,602; Dec. 6.
Cathode. C. E. Haller. 2,138,918; Dec. 6.
Cathode ray tube. V. K. Zworykin. 2,139,296; Dec. 6.
Cathode, Television scanner. W. Heimann. 2,139,018; Dec. 6.
Centering device for typewriting machines. E. L. Burnett. 2,139,257; Dec. 6.
Chair: *See*—
  Revolving chair.
Chair. D. Powell. 2,139,205; Dec. 6.
Chair. E. M. Sims. 2,139,176; Dec. 6.
Change-over device, Automatic. R. W. Thomas. 2,138,988; Dec. 6.
Change-over device, Automatic. R. W. Thomas and C. MacSporran. 2,138,989; Dec. 6.
Checkerwork for hot-blast stoves. J. P. Foley. 2,139,073; Dec. 6.
Chemical receptacle for attachment to garment hangers. S. J. Evans. 2,139,404; Dec. 6.
Chuck, Drill. A. E. Rineer. 2,139,421; Dec. 6.
Chuck mechanism for rock drills. F. M. Slater. 2,138,944; Dec. 6.
Cigarette case. H. J. Gaess. 2,138,916; Dec. 6.
Cigarette holder. J. Rich, Jr. 2,138,983; Dec. 6.
Cigarette making machine. F. F. Ruau. 2,139,100; Dec. 6.
Circuit: *See*—
  Gain control circuit. Signal receiver circuit.
  Integration indicating circuit.
Circuit breaker. H. S. Gano. 2,139,265; Dec. 6.
Circuit for broaching machines, Control. M. Romaine and E. G. Roehm. 2,139,173; Dec. 6.
Clamp: *See*—
  Holster clamp. Strain or suspension clamp
Cleaner: *See*—
  Grain cleaner. Suction cleaner.
Cleaner carriage, Vacuum. R. H. Jordan. 2,139,503; Dec. 6.
Cleaning and extracting machine. A. Hjelm. 2,138,858; Dec. 6.
Clip: *See*—
  Molding retainer clip.
Closing device for collapsible tubes. P. A. Neumann. 2,139,171; Dec. 6.
Closure fastener. T. I. Moseley. 2,138,933; Dec. 6.
Closure for collapsible tubes. M. Baker. 2,138,992; Dec. 6.
Closure for collapsible tubes. F. Coleman, Jr. 2,138,956; Dec. 6.
Closure for containers. W. J. Geist. 2,139,116; Dec. 6.
Closures, Method and apparatus for applying. G. W. Booth. 2,139,572; Dec. 6.
Clothespin. J. M. Merwitz. 2,139,455; Dec. 6.
Clutch and variable transmission gear, Automatic. A. N. Davey. 2,139,301; Dec. 6.
Coal, Simultaneously washing and coating. S. W. Allen. 2,138,825; Dec. 6.
Coals and other materials, Process and apparatus for cleaning. K. F. Tromp. 2,139,047; Dec. 6.
Coating composition. G. R. Eusminger. 2,139,008; Dec. 6.
Coatings to ceramic bodies, Applying metallic. H. Vatter. 2,139,431; Dec. 6.
Code translator. M. L. Haselton. 2,139,079; Dec. 6.
Coin and token separator. W. Patzer. 2,139,381; Dec. 6.
Collapsible container. R. Mancuso. 2,139,239; Dec. 6.
Color packaging. L. L. Salfisberg. 2,139,041; Dec. 6.
Comb. N. L. Solomon. 2,139,106; Dec. 6.
Combustion engine. H. Rieseler. 2,139,284; Dec. 6.
Combustion engine, Two-cycle. L. D. Harrison. 2,139,266; Dec. 6.
Comforter quilting machine. A. Hiltbrunner. 2,139,019; Dec. 6.
Compasses, Follow-up system for gyro. F. L. Moseley, W. T. Cooke, and C. A. Frische. 2,139,558; Dec. 6.
Composition for treating leather, lacquered surfaces, and other materials. W. Hentrich and C. A. Laina 2,139,231; Dec. 6.
Condenser: *See*—
  Electric condenser. Electrolytic condenser.
Condensers, Manufacture of electrostatic. H. Sträb, K. Reger, and W. Dorn. 2,138,892; Dec. 6.
Condiment dispenser. E. G. Skoda. 2,139,289; Dec. 6.
Conduit casing cutting tool. L. F. Nordling. 2,139,093; Dec. 6.
Connecter: *See*—
  Cable connecter. Train pipe connecter.
  Electrical connecter.
Connecting device for electrical conductors. A. J. Hixon. 2,139,125; Dec. 6.
Connection, Water. G. H. Fuehrer. 2,139,226; Dec. 6.
Constituents of polyhalite, Breaking down and utilizing the. R. K. Bailey. 2,138,827; Dec. 6.
Contact set. W. H. Frank and L. E. Fisher. 2,139,074; Dec. 6.
Container: *See*—
  Collapsible container.
Container. W. A. Brandt. 2,139,326; Dec. 6.
Container and collapsing device, Collapsing. N. N. Wiswell. 2,139,143; Dec. 6.
Container for fluid, Paper. M. H. Sidebotham. 2,139,626; Dec. 6.
Container from which pasty materials are adapted to be extruded, Collapsible. J. Crane. 2,139,575; Dec. 6.
Container with sliding cap. M. C. Lawson. 2,139,085; Dec. 6.
Containers, Making conical. W. E. Amberg. 2,139,613; Dec. 6.
Continuous distillation furnace. E. G. M. R. Legé. 2,138,973; Dec. 6.
Continuous heating furnace. J. J. Boax. 2,139,067; Dec. 6.
Control device. A. K. Foulds. 2,139,616; Dec. 6.
Control means for radio landing systems. G. H. Wintermute and G. L. Davies. 2,139,061; Dec. 6.
Control mechanism for pressing machines. E. N. Neckel. 2,139,091; Dec. 6.
Control mechanism, Thermal responsive. W. J. King. 2,139,504; Dec. 6.
Control system for radio beacons. F. G. Kear. 2,139,060; Dec. 6.
Control system, Remote. W. T. Cooke. 2,139,490; Dec. 6.
Conveyance, Emergency. B. E. Arntzen. 2,138,826; Dec. 6.
Cooler: *See*—
  Bar cooler.
Cooling device for electric generators. G. E. Wagner. 2,138,990; Dec. 6.
Copper alloy. F. R. Hensel and E. I. Larsen. 2,139,497; Dec. 6.
Corrugated structure. A. L. Spafford. 2,139,138; Dec. 6.
Corset. E. Friend. 2,139,305; Dec. 6.
Counting mechanism for liquid dispensing apparatus. H. Wydler. 2,139,216; Dec. 6.
Coupling: *See*—
  Hydraulic coupling.
Coupling. H. M. Robinson. 2,138,940; Dec. 6.
Cover: *See*—
  Sanitary seat cover.
Crane, Soaking pit cover. C. H. Schramm. 2,138,886; Dec. 6.
Cresols and higher phenols by fusion, Production of. J. R. Mares. 2,139,372; Dec. 6.
Crucible for slug casting machines and making same. C. E. Murray. 2,139,511; Dec. 6.
Cuff fastener. J. E. Kauffman. 2,139,308; Dec. 6.
Cups, Method and machine for making paper. W. E. Amberg. 2,139,614; Dec. 6.
Curler, Hair. J. Coggans and R. Kelso. 2,138,905; Dec. 6.
Cut-out for split phase motors. R. E. Wedge and O. C. Turner. 2,139,531; Dec. 6.
Cutter: *See*—
  Stray grass cutter.
Cutter chain and cutter bar. R. K. Jeffrey. 2,139,410; Dec. 6.
Cutting and folding machine. J. E. Meyer. 2,139,241; Dec. 6.
Cutting machine. F. E. Bertrand. 2,139,485; Dec. 6.
Damper. J. Kirgan. 2,139,505; Dec. 6.
Decorating apparatus. O. D. King. 2,138,865; Dec. 6.
Dental press, Compensating. E. Handler. 2,139,496; Dec. 6.
Derivatives of cyclic compounds, Preparing hydroxylamine. H. H. Bassford, Jr. 2,138,899; Dec. 6.

Device for preventing overflowing, especially designed for funnels. T. Loibl. 2,138,929; Dec. 6.
Device for removing molten metal. I. J. B. Demers. 2,139,114; Dec. 6.
Device for the repetition of signals on a vehicle. L. Girardin. 2,139,157; Dec. 6.
Dial for radio apparatus. E. König. 2,139,451; Dec. 6.
Differential mechanism. C. E. Frederickson. 2,139,405; Dec. 6.
Direction signal. G. W. Mason. 2,138,976; Dec. 6.
Direction signal, Automobile. W. I. Harnsberger. 2,139,407; Dec. 6.
Dishcloth, Metal. L. E. Shick. 2,139,175; Dec. 6.
Dispatch system, Pneumatic. C. S. Jennings. 2,139,126; Dec. 6.
Dispenser: *See*—
  Condiment dispenser. Liquid dispenser.
Dispenser for dishwashing machines, Alkali solution. V. J. Sinkwich. 2,138,943; Dec. 6.
Dispenser for paper articles. F. P. Vaughan, A. G. Krueger, and N. J. Siye. 2,139,339; Dec. 6.
Dispensing device. E. Piquerez. 2,139,097; Dec. 6.
Dispensing faucet handle. F. C. Picut. 2,139,204; Dec. 6.
Dispensing mechanism. R. Bares. 2,139,433; Dec. 6.
Display board. R. G. Curtis and C. L. Boland. 2,139,150; Dec. 6.
Display receptacle. M. I. Williamson. 2,139,534; Dec. 6.
Display unit. A. B. Mull and A. E. Pradt. 2,139,377; Dec. 6.
Doctor, Air. K. E. Terry. 2,139,628; Dec. 6.
Door accessory, Automobile. O. R. Mullens. 2,139,312; Dec. 6.
Door construction, Overhead. D. M. Robinson. 2,139,383; Dec. 6.
Drawer or the like, Filing. W. F. Regenhardt. 2,139,283; Dec. 6.
Drill: *See*—
  Fertilizer drill. Rock drill.
Driving mechanism. W. B. Bronander. 2,139,221; Dec. 6.
Dry cleaning process. W. H. Alton. 2,139,629; Dec. 6.
Drying, Method and apparatus for. J. G. Dinwiddie. 2,139,445; Dec. 6.
Dyestuffs, Azo. C. I. Anderson and R. B. Payne. 2,138,991; Dec. 6.
Dyestuffs, Azo. F. Schubert. 2,139,472; Dec. 6.
Egg grading machine. L. M. Butterfield. 2,139,574; Dec. 6.
Electric condenser. A. Ebinger. 2,139,447; Dec. 6.
Electric condenser. L. Linder. 2,139,453; Dec. 6.
Electric control system. D. Journeaux. 2,139,637; Dec. 6.
Electric discharge apparatus. I. E. Mouromtseff and H. V. Noble. 2,138,935; Dec. 6.
Electric discharge tube. A. Bouwers. 2,139,487; Dec. 6.
Electric fuel pump. C. J. Lauer and R. L. Bowers. 2,139,370; Dec. 6.
Electric fuel pump. C. W. McKinley and C. J. Lauer. 2,139,373; Dec. 6.
Electric induction furnace. N. R. Stansel. 2,139,528; Dec. 6.
Electric switch. L. E. Fisher and W. H. Frank. 2,139,072; Dec. 6.
Electric switch. R. H. Schmitt. 2,139,519; Dec. 6.
Electric switch, Automatic coin controlled time registering. H. R. Smith. 2,139,524; Dec. 6.
Electrical apparatus. C. I. McNeil. 2,139,599; Dec. 6.
Electrical connecter. W. R. Young. 2,139,535; Dec. 6.
Electrical control system. F. W. Atz, Jr. 2,139,482; Dec. 6.
Electrical generation of musical tones. W. E. Kock. 2,139,023; Dec. 6.
Electrical indicating system and apparatus. L. Boddy. 2,139,440; Dec. 6.
Electrical machine. G. A. Gillen. 2,139,012; Dec. 6.
Electrical network. A. D. Blumlein. 2,138,996; Dec. 6.
Electrical resistance and making same. A. W. Plensler. 2,138,938; Dec. 6.
Electrically heated shaft furnace. B. G. O. Nordström. 2,139,201; Dec. 6.
Electrically operated gauge. B. H. Schwarze. 2,139,386; Dec. 6.
Electrode and forming the same, Piezoelectric crystal. H. Sachse. 2,139,469; Dec. 6.
Electrolytic condenser. G. Binlek. 2,139,437; Dec. 6.
Electromagnetic device and circuits for operating the same. S. Karasick. 2,138,864; Dec. 6.
Electromagnetic friction device. A. B. Cadman. 2,138,837; Dec. 6.
Electromechanical wave filter. R. B. Blackman and E. Lakatos. 2,139,220; Dec. 6.
Electron discharge device. E. W. Herold. 2,139,366; Dec. 6.
Electron discharge device. O. Klemperer. 2,138,928; Dec. 6.
Electron tube amplification system. W. Soller. 2,138,891; Dec. 6.
Elevator for airplanes, Duplex retractile. O. L. R. Jones. 2,139,163; Dec. 6.
Emulsifying and treating agents. S. Lenher and L. B. Arnold, Jr. 2,139,276; Dec. 6.
Enclosure, Protection. P. C. Dier. 2,139,579; Dec. 6.
Engine: *See*—
  Combustion engine.
  Internal combustion engine.
Engine. M. J. Murphy. 2,139,170; Dec. 6.
Envelope machine. A. Novick. 2,139,514; Dec. 6.
Ester salts, Production of alkyl. A. J. van Peski and A. J. Tulleners. 2,139,393; Dec. 6.
Ethers, Mixed tertiary. T. Evans and K. R. Edlund. 2,139,359; Dec. 6.
Esters of hydrogenated abietyl alcohol and producing. I. W. Humphrey. 2,139,588; Dec. 6.
Esters of polymerized organic compounds. A. J. van Peski. 2,139,394; Dec. 6.
Excavating machine. K. R. Bixby. 2,139,254-5; Dec. 6.
Expanding power means. L. M. Persons. 2,139,034; Dec. 6.
Extension leaf table. J. C. Viehmann. 2,139,140; Dec. 6.
Extraction process. S. Tijmstra. 2,139,392; Dec. 6.
Extrusion press. O. Z. Klopsch and G. H. Bradley. 2,139,551; Dec. 6.
Eyeshield and visor. T. P. Lee. 2,139,275; Dec. 6.
Fabric: *See*—
  Knitted fabric. Mesh fabric.
Fan. C. N. McLane. 2,139,416; Dec. 6.
Fan assembly. B. B. Cary. 2,139,630; Dec. 6.
Fastener: *See*—
  Closure fastener. Sash fastener.
  Cuff fastener. Shoe lace fastener.
  Roll roofing fastener.
Fastener for the neckband portions of neckties. W. Mayer. 2,139,510; Dec. 6.
Fastening device. R. A. Young. 2,139,145; Dec. 6.
Fats and oils, Hydrolysis of. M. H. Ittner. 2,139,589; Dec. 6.
Feeder: *See*—
  Sheet feeder.
Feeder and the like for electric currents of high frequency. E. C. Cork and J. L. Pawsey. 2,138,906; Dec. 6.
Fertilizer drill. O. F. Heer. 2,139,080; Dec. 6.
Fibers and for making eleastic yarn, Method and apparatus for treating textile. B. H. Foster. 2,139,320; Dec. 6.
Filaments, fibers, and the like, Production of crimped artificial. D. Finalyson and R. G. Perry. 2,139,543; Dec. 6.
Filaments like horse-hair, Producing. G. Heberlein. 2,139,017; Dec. 6.
File, Collapsible. S. Scheinman and J. Mandel. 2,139,520; Dec. 6.
Film, Adhesive coated metallic. W. F. Grupe. 2,138,854; Dec. 6.
Films, Developing motion picture. W. L. Douden. 2,139,224; Dec. 6.
Filter: *See*—
  Electromechanical wave filter. Self-cleaning filter.
Filter for X-rays and similar rays. B. B. Raney. 2,139,098; Dec. 6.
Filter unit. F. L. Myers. 2,138,874; Dec. 6.
Fire extinguisher support. H. E. Helgis. 2,139,634; Dec. 6.
Fishing pole holder, Foldable. A. S. Haislip. 2,139,188; Dec. 6.
Flier. T. Harris. 2,138,857; Dec. 6.
Fluid stop and fire check. I. L. Dawson. 2,139,491; Dec. 6.
Fluid pressure brake. C. H. McKinstry. 2,138,930; Dec. 6.
Fluids, Apparatus for intravenous administration of. A. E. Osterberg. 2,138,936; Dec. 6.
Fluorides from water, Removing. P. C. Goetz. 2,139,227; Dec. 6.
Fluxes, Welding. T. C. R. Shepherd. 2,139,522; Dec. 6.
Focusing device. M. E. Collins. 2,139,222; Dec. 6.
Foiling method. I. J. Dresch and G. S. Weith. 2,139,631; Dec. 6.
Food product for treatment of infantile diarrhea. C. A. Tompkins. 2,139,139; Dec. 6.
Foot control device. J. B. Franks. 2,139,010; Dec. 6.
Foot treatment device. C. F. Fay. 2,139,263; Dec. 6.
Footwear. E. Calvin. 2,138,955; Dec. 6.
Forceps, Catheter. R. E. Tyvand. 2,139,428; Dec. 6.
Fork, Transfer. P. O. Unger. 2,138,947; Dec. 6.
Form, Blocking. B. L. Lafargue. 2,138,866; Dec. 6.
Form, Concrete. W. A. Gurtler. 2,139,078; Dec. 6.
4-amino-azo-benzene-4'-sulphonic acid, Manufacture of. C. B. Biswell and W. V. Wirth. 2,139,325; Dec. 6.
Frame and handle assembly for mirrors, brushes, and the like. W. Steinen. 2,139,565; Dec. 6.
Framed screen. C. A. Scheeler. 2,139,423; Dec. 6.
Freezer attachment, Refrigerator. G. B. Davis, Jr. 2,139,576; Dec. 6.
Frequency checking device. R. D. Hutchens. 2,138,922; Dec. 6.
Friction brake. R. C. Russell. 2,139,286; Dec. 6.
Friction material, Manufacture of woven. I. J. Novak. 2,138,876; Dec. 6.
Fuel and air pump, Combined. A. M. Babitch and G. W. Harry. 2,139,346; Dec. 6.
Fuel and compositions of matter for treating solid carbonaceous fuel. S. W. Allen. 2,139,398; Dec. 6.
Fuel injection pump. E. C. Gambrell. 2,138,849; Dec. 6.

Fuel injection system. W. G. Gernandt. 2,139,155; Dec. 6.
Fuel pump. R. Avigdor. 2,139,571; Dec. 6.
Fuel pump. A. M. Babitch and G. W. Harry. 2,139,347; Dec. 6.
Fuel supply system for internal combustion engines. W. Ledger and R. Borden. 2,139,371; Dec. 6.
Furnace: *See*—
Continuous distillation furnace. Electrically heated shaft furnace.
Continuous heating furnace. Electric induction furnace.
Furnace construction. G. W. Davey. 2,139,004; Dec. 6.
Furnace installation, High temperature. A. S. Nichols. 2,139,172; Dec. 6.
Furniture. F. A. Eichel. 2,139,071; Dec. 6.
Gain control circuit. J. P. Kinzer and I. G. Wilson. 2,139,236; Dec. 6.
Game apparatus. C. P. Potter. 2,138,821; Dec. 6.
Game apparatus, Ballistic. E. Sauerbier. 2,139,210; Dec. 6.
Game device. W. I. Kolm. 2,139,024; Dec. 6.
Game indicator. Boat. B. D. Field. 2,139,493; Dec. 6.
Garment. W. D. Humphlett. 2,139,270; Dec. 6.
Garment bag. W. R. Kohl. 2,139,237; Dec. 6.
Garment hanger. J. M. Collins. 2,138,957; Dec. 6.
Garment, Man's. H. Westerman. 2,139,532; Dec. 6.
Gas control system. C. S. Andersen. 2,139,344; Dec. 6
Gaskets, Manufacturing. N. E. Oglesby. 2,139,314; Dec. 6.
Gasoline dump device for airplanes. F. A. Jones. 2,138,970; Dec. 6.
Gate: *See*—
Sluice gate.
Gauge: *See*—
Electrically operated gauge.
Gauge and telltale signal, Combined pressure. R. Clason. 2,139,327; Dec. 6.
Gauge for liquid dispensing pumps, Sight. W. H. D. Brouse. 2,139,148; Dec. 6.
Gauging device. L. F. Poock and W. F. Aller. 2,139,282; Dec. 6.
Gear: *See*—
Running gear.
Gear cutting machine. C. T. Galloway. 2,139,154; Dec. 6.
Gear for ships, Hydraulic steering. W. G. Riddell. 2,139,604; Dec. 6.
Gearing for skates. S. Segal. 2,138,887; Dec. 6.
Gearing, Overdrive. W. B. Barnes. 2,139,350; Dec. 6.
Gears, Apparatus and method for lapping. W. F. Slomer. 2,139,290; Dec. 6.
Generator: *See*—
Serrated wave form generator. Steam generator.
Geophysical prospecting. G. Potapenko. 2,139,460; Dec. 6.
Germicidal agent. K. T. Steik and J. F. Muller. 2,139,102; Dec. 6.
Glauconite and method of altering, Altered. W. M. Bruce and R. Riley. 2,139,299; Dec. 6.
Glove, Swimming. A. W. Piccardi. 2,139,601; Dec. 6.
Glycols and esters thereof, Production of high molecular. A. Grün. 2,138,917; Dec. 6.
Grading machine. E. Morgan. 2,139,199; Dec. 6.
Grain cleaner. W. A. S. Beattie. 2,139,435; Dec. 6.
Guard and clamp therefor, Splash. W. C. Jackson. 2,139,307; Dec. 6.
Gun. W. H. Chambers. 2,139,648; Dec. 6.
Hair, Waving. M. Beck. 2,139,436; Dec. 6.
Hand brake. W. M. Dwyer. 2,139,007; Dec. 6.
Handle: *See*—
Dispensing faucet handle.
Handle and frame for dresser set utensils and the like. W. Steinen. 2,139,564; Dec. 6.
Handle for various articles. R. C. Bangs. 2,138,993; Dec. 6.
Hanger: *See*—
Garment hanger.
Harvester, Corn. H. J. Kuhlman. 2,139,165; Dec. 6.
Headlight. P. J. F. Gallagher. 2,139,186; Dec. 6.
Headstock for machine tools, Motor driven. A. W. Wigglesworth. 2,139,397; Dec. 6.
Heat retainer for permanent waving. T. Moore. 2,139,311; Dec. 6.
Heater for automobiles. S. W. Wilson. 2,139,612; Dec. 6.
Heater for house trailers. T. M. Vullings. 2,139,141; Dec. 6.
Heating apparatus and control means therefor. E. J. Dillman. 2,139,615; Dec. 6.
Hides with the aid of mold tryptases in alkaline solution, Producing dehaired. O. Röhm. 2,139,209; Dec. 6.
High-frequency system. J. Böhme and S. Link. 2,138,953; Dec. 6.
High frequency system having remote control. G. M. Wright and N. M. Rust. 2,139,055; Dec. 6.
Hinge for loose-leaf catalogues or the like. O. Felix. 2,138,847; Dec. 6.
Hinge package. L. A. Bittorf. 2,138,901; Dec. 6.
Hitch, Adjustable automatic self-releasing. B. F. Deaver. 2,139,577; Dec. 6.
Hitch, Tractor stop. G. Den Besten. 2,138,841; Dec. 6.
Hoist. W. H. Yount. 2,138,824; Dec. 6.
Hoist, Vehicle. T. A Martin. 2,139,597; Dec. 6.
Holder: *See*—
Card holder. Key holder.
Cigarette holder. Suspender holder.
Fishing pole holder. Wire holder.
Holder. R. R. Olson. 2,139,202; Dec. 6.
Hosiery and making same, Knitted. W. W. Scholz. 2,139,606; Dec. 6.
Holster clamp. R. Meine. 2,138,978; Dec. 6.
Honey uncapping machine. W. T. Brand. 2,139,298; Dec. 6.
Hood hair drying apparatus, Multiple. A. E. Zingone. 2,139,250; Dec. 6.
Hop picking machine. G. E. Miller. 2,139,029; Dec. 6.
Hop separator. E. Thys. 2,139,046; Dec. 6.
Hormone substance, Obtaining. E. A. Doisy and P. A. Katzman. 2,139,540; Dec. 6.
Hose, Manufacture of artificial silk. A. G. Bouhuys. 2,138,954; Dec. 6.
Humidifier. J. A. Wilson. 2,139,429; Dec. 6.
Hydraulic coupling. N. L. Alison. 2,139,107; Dec. 6.
Hydrogenation. R. Pyzel. 2,138,881; Dec. 6.
Ignition means for match packages, Antiaccidental. F. G. Steiner. 2,139,388; Dec. 6.
Ignition system, High tension. T. Tognola. 2,139,475; Dec. 6.
Impact testing machine. A. Sonntag. 2,139,527; Dec 6.
Inclinations, Apparatus for measuring. H. S. Davis. 2,139,444; Dec. 6.
Indicator: *See*—
Game indicator.
Ingot mold. A. H. Jung. 2,139,191; Dec. 6.
Ink composition. S. A. Neidich. 2,139,092; Dec. 6.
Ink, Intaglio printing. W. W. Mock. 2,139,242; Dec. 6.
Insecticide and mailing same, Tobacco. W. H. Volck. 2,139,340; Dec. 6.
Instrument mounting. D. O. Lybrand. 2,139,905; Dec. 6.
Insulation, Refrigerated. J. M. Ross. 2,138,885; Dec. 6.
Integration indicating circuit. F. H. Shepard, Jr. 2,139,474; Dec. 6.
Interchanging sign. S. M. Brown. 2,139,149; Dec. 6.
Internal combustion engine. G. W. Patchett. 2,139,457; Dec. 6.
Internal combustion engine, Floating piston. H. Steiner. 2,139,425; Dec. 6.
Iron oxide and zinc sulphate, Production of. J. W. Ayers. 2,139,109; Dec. 6.
Jack: *See*—
Pumping jack.
Jacking system for vehicles, Hydraulic. D. W. Sessions. 2,139,473; Dec. 6.
Jars, Making drilling. A. Gray. 2,139,077; Dec. 6.
Joint: *See*—
Road joint.
Joint for pipes. H. Kreidel. 2,139,413; Dec. 6.
Joint with peripheral seal, Construction. R. R. Robertson. 2,139,465; Dec. 6.
Joints, Sealing pipe. W. W. Trickey. 2,138,946; Dec. 6.
Ketones, Production of unsaturated. A. W. Fairbairn and W. Engs. 2,139,360; Dec. 6.
Key holder. K. Bassler. 2,138,994; Dec. 6.
Kiln, Tunnel. M. E. Gates. 2,138,851; Dec. 6.
Knife, Tying. A. E. Thomas. 2,139,609; Dec. 6.
Knitted fabric. N. Schwartz. 2,139,607; Dec. 6.
Knitting machine. K. R. Lieberknecht. 2,139,278; Dec. 6.
Ladder, Adjustable. H. C. Wertz. 2,139,479; Dec. 6.
Lamp: *See*—
Signal lamp.
Lamp bulb mounting. C. A. Michel and H. C. Mead. 2,139,374; Dec. 6.
Lamp fuse protector. W. E. Anderson and J. A. Linder. 2,139,252; Dec. 6.
Last. P. Borda. 2,138,902; Dec. 6.
Lasts, Remodeling. G. Clausing. 2,139,442; Dec. 6.
Lathe bed, Surface hardening. P. A. Abe. 2,138,811; Dec. 6.
Lathe, Orbital. W. F. Groene. 2,138,964; Dec. 6.
Level compensator for telegraph systems. D. K. Gannett. 2,138,963; Dec. 6.
Lever, Operating. C. Opolo. 2,139,094; Dec. 6.
Lid support. E. G. Simpson. 2,139,336; Dec. 6.
Lift device, Vacuum. W. W. Clark. 2,138,999; Dec. 6.
Lighting fixture screen. L. C. Doane. 2,139,005; Dec. 6.
Line splice, Automatic. W. G. Fotsch. 2,138,913; Dec. 6.
Linings, Gauging centrifugal. E. Roberts. 2,139,464; Dec. 6.
Liquid dispenser. G. C. Erb. 2,138,844; Dec. 6.
Liquid treatment of metal sheets. L. C. Steele. 2,139,337; Dec. 6.
Liquids such as driers suitable for paint or varnish and making them. L. Roon. 2,139,134; Dec. 6.
Litharge from lead and sodium nitrate, Production of R. M. Cole. 2,139,002; Dec. 6.
Load supporting structure, Portable. T. G. Schmeiser. 2,139,470; Dec. 6.
Lock: *See*—
Assembling elevator lock. Bolt or nut lock.
Cap lock.
Lock. F. H. Harp. 2,138,856; Dec. 6.
Lock for automobiles, Electric door. C. H. Bruns. 2,139,183; Dec. 6.
Locking means for guard standards of vehicle bodies. C. C. Rawlings. 2,139,317; Dec. 6.
Locking means for interthreaded elements. D. T. A. Garnier. 2,138,850; Dec. 6.

Loom parallel. C. D. Brown. 2,139,439; Dec. 6.
Looms, Measuring device for. W. A. Tilton. 2,139,610; Dec. 6.
Looms, Protector mechanism for. V. H. Jennings. 2,139,412; Dec. 6.
Lubricant. J. G. Butz. 2,138,835; Dec. 6.
Lubricated valve. J. J. McBride. 2,139,280; Dec. 6.
Lubrication system for internal combustion engines. F. F. Kishline. 2,139,549; Dec. 6.
Lubricator for railway car journals. B. A. Keeler and W. W. Knight. 2,138,971; Dec. 6.
Machine for and process of laying roads. H. H. Barber. 2,138,828; Dec. 6.
Machine tool. L. C. Cole. 2,139,402–3; Dec. 6.
Magnetic properties of metal shapes of commercial sizes and apparatus therefor, Measuring the. D. T. Gundersen. 2,138,965; Dec. 6.
Magnetic separator. W. Rose. 2,139,468; Dec. 6.
Mail box mounting. M. Mathews. 2,138,977; Dec. 6.
Mat, Resilient safety. W. J. Lutey. 2,139,025; Dec. 6.
Match box. T. H. Johnson. 2,138,819; Dec. 6.
Match packet. R. S. Pullen. 2,139,036; Dec. 6.
Material for transfer processes. P. V. Brower. 2,138,836; Dec. 6.
Material, Rolling flat. S. Badlam. 2,139,483; Dec. 6.
Materials containing nitrite, Purification of. C. F. Weston. 2,139,142; Dec. 6.
Measuring and regulating device. G. V. Woodling. 2,139,295; Dec. 6.
Measuring instrument. W. F. Aller. 2,139,251; Dec. 6.
Measuring mechanism. L. J. Williams. 2,139,478; Dec. 6.
Mechanism for the interconversion of reciprocation and rotation. E. S. Hall. 2,139,189; Dec. 6.
Mechano-surgical apparatus, Universal. N. Leuchter. 2,139,166; Dec. 6.
Menthol, Making crystalline. C. O. Terwilliger. 2,139,390; Dec. 6.
Mesh fabric, Ornamental. B. A. Nagorny. 2,139,512; Dec. 6.
Metal bending machine, Sheet. W. L. Castel and W. O. Hedberg. 2,139,354; Dec. 6.
Metallurgical dusts, Smelting of. J. O. Betterton, A. J. Phillips, and R. E. Allen. 2,139,065; Dec. 6.
Metals and alloys, Plating. U. Raydt. 2,138,982; Dec. 6.
Metals from nonprecious metals in metal bearing earth, Separating precious. E. Hey and F. H. Hunsicker. 2,139,498; Dec. 6.
Meter gap expander. R. P. Adams. 2,139,062; Dec. 6.
Milk distribution apparatus and a can for use with the said apparatus. A. and H. Rindl. 2,139,208; Dec. 6.
Mining, Apparatus for underground. G. S. Jenkins. 2,139,162; Dec. 6.
Modulator for high frequency oscillators. E. G. Linder. 2,139,238; Dec. 6.
Mold: *See*—
Ingot mold.
Molding retainer clip. J. H. Van Uum. 2,139,567; Dec. 6.
Molds for shoes, Making inner. C. K. MacDonald. 2,138,974; Dec. 6.
Mono-alkyl-chlorophenols. E. Klarmann. 2,139,550; Dec. 6.
Mop. W. G. Bailey. 2,139,399; Dec. 6.
Motor control system, Electric. W. T. Gray. 2,139,494; Dec. 6.
Motor mounting for pumps. T. E. Cline and R. E. Tipton. 2,139,113; Dec. 6.
Motor vehicle. M. Tibetts. 2,139,391; Dec. 6.
Motor vehicle. B. Walker. 2,139,341; Dec. 6.
Mounting: *See*—
Carriage mounting. Lamp bulb mounting.
Instrument mounting. Mail box mounting.
Mower, Extensible gang lawn. A. F. Moyer. 2,139,200; Dec. 6.
Mowing machine, Ditch bank. J. H. Marchek. 2,139,310; Dec. 6.
Multiple shoe brake. A. McKone. 2,139,197; Dec. 6.
Musical instrument, Stringed. R. Dopyera. 2,138,907; Dec. 6.
Negative resistance. E. H. Yonkers, Jr. 2,138,896; Dec. 6.
Net, cargo sling, and the like, Cargo. C. Louttit. 2,139,195; Dec. 6.
Nitroalcohols, Aliphatic. H. B. Hass and B. M. Vanderbilt. 2,139,121; Dec. 6.
Nitrohydroxy compounds, Production of. H. B. Hass and B. M. Vanderbilt. 2,139,120; Dec. 6.
Nut cracking machine, Automatic. H. F. Ruggles. 2,138,942; Dec. 6.
Nutcracker. J. C. Fiddyment. 2,139,264; Dec. 6.
Odor dispensing device. D. Topjian. 2,139,291; Dec. 6.
Oil and lubrication therewith, Lubricating. A. W. Lewis. 2,139,086–8; Dec. 6.
Oil, Lowering the pour point of lubricating. L. Liberthson. 2,138,868; Dec. 6.
Oil, Lubricating. B. H. Shoemaker. 2,139,335; Dec. 6.
Oil, Process of refining. G. H. Hutchins and A. W. Hartigan. 2,139,161; Dec. 6.
Oils, Extracting. A. B. Brown and F. F. Diwoky. 2,138,833; Dec. 6.
Oils, Treating. A. B. Brown and F. F. Diwoky. 2,138,834; Dec. 6.
Oils, Treating hydrocarbon. J. C. Morrell. 2,139,624; Dec. 6.
Oils with improved solvents, Extraction of. A. B. Brown and F. F. Diwoky. 2,138,832; Dec. 6.
Ore treatment, Vermiculite. R. Ericson. 2,139,358; Dec. 6.
Oscillation producing system. R. Andrieu. 2,139,432; Dec. 6.
Oscillator of the Barkhausen type, High efficiency. R. A. Heising. 2,139,230; Dec. 6.
Oven, Baker's. J. M. Gantvoort. 2,139,448; Dec. 6.
Packing device. L. L. Rector. 2,139,207; Dec. 6.
Packing, Fountain pen. H. Asai. 2,139,218; Dec. 6.
Packing support. R. S. Beach. 2,139,063; Dec. 6.
Pad: *See*—
Table pad.
Pad for pressing machines and producing same. R. E. Niemann. 2,139,033; Dec. 6.
Pads in receptacle closure caps, Apparatus for assembling sealing. J. A. Johnson. 2,138,923; Dec. 6.
Palladium, Treating. J. S. Stretcher. 2,139,529; Dec. 6.
Panel mounting assembly. C. L. Neumeister. 2,139,641; Dec. 6.
Paper and making the same, Decorative. G. Houseboulder and W. V. Shearer. 2,139,269; Dec. 6.
Paper, Varnished. A. Reilly. 2,139,603; Dec. 6.
Papers, Process and machine for making crushed corrugated. W. W. Rowe and W. A. Morris. 2,139,285; Dec. 6.
Paraffin and wax, Dissolving. W. B. Lerch and T. M. White. 2,139,595; Dec. 6.
Parasites, Protection from marine. F. G. Brammer. 2,138,831; Dec. 6.
Parasiticidal composition. E. W. Bousquet. 2,139,256; Dec. 6.
Pedal control for electrically amplified musical instruments. R. Aiala. 2,139,217; Dec. 6.
Peeler, Vegetable. W. E. Urschel. 2,139,180; Dec. 6.
Pen, Fountain. G. Larsen. 2,139,084; Dec. 6.
Pen, Fountain. M. G. Sypher. 2,139,045; Dec. 6.
Percussion tool, Explosion actuated. K. Seidl. 2,139,608; Dec. 6.
Perforation of an unperforated positive film in correspondence with perforated negative film. K. Wahl. 2,139,214; Dec. 6.
Perforators, Pressure equalizing and surge relief device for gun. W. T. Wells. 2,139,104; Dec. 6.
Phenol sulfides, Preparation of. L. A. Mikeska and E. Lieber. 2,139,321; Dec. 6.
Phenolic condensation product and making same. N. M. Mnookin. 2,139,418; Dec. 6.
Photoelectric device. J. H. de Boer and W. C. van Geel. 2,139,223; Dec. 6.
Photographs, prints, lantern slides, positive transparencies, and the like, Coloring. P. Fidelman. 2,139,492; Dec. 6.
Picture producing apparatus, Color motion. H. K. Fairall. 2,138,846; Dec. 6.
Pigments. W. T. Grace and A. H. Ristau. 2,139,013; Dec. 6.
Pigments, Dispersing. R. T. Hucks. 2,138,860; Dec. 6.
Pipe from wells, Freeing and recovering. P. G. Gates. 2,139,076; Dec. 6.
Pistol, Automatic. C. G. Petter. 2,139,203; Dec. 6.
Piston. F. Jardine. 2,139,271; Dec. 6.
Piston lock release, Pressure actuated. E. Engel. 2,139,185; Dec. 6.
Pistons, Machining of cast. A. E. Schnell and M. A. Beckmann. 2,139,287; Dec. 6.
Plant and process for manufacturing rubber hydrochloride. E. W. Moffett, H. A. Winkelmann, and F. E. Williams. 2,138,932; Dec. 6.
Plastic compositions. L. P. Kyrides. 2,139,369; Dec. 6.
Plow. H. E. Pruss. 2,139,625; Dec. 6.
Plow hitch, Guided. H. Tonjes, Jr. 2,139,212; Dec. 6.
Plow point attachment. H. G. Bolkcom. 2,139,486; Dec. 6.
Plug for drawing tubes. G. H. Bradley and G. E. Clifford. 2,139,539; Dec. 6.
Pole setting device. M. N. Drew. 2,138,842; Dec. 6.
Poles, Preserving standing. C. Schmittutz. 2,139,422; Dec. 6.
Polishing or grinding roll. H. H. Giles. 2,139,406; Dec. 6.
Polymers of olefines, Producing. R. P. Russell. 2,139,038; Dec. 6.
Pottery articles, Method and apparatus for manufacturing. R. J. Getty. 2,139,362; Dec. 6.
Powder dispensing can. J. Glover. 2,139,158; Dec. 6.
Powder package. L. L. Salfisberg. 2,139,040; Dec. 6.
Power transmitting mechanism, Automatic. J. E. Padgett. 2,138,980; Dec. 6.
Press: *See*—
Dental press. Sole press.
Extrusion press.
Press control mechanism. W. P. Beattie. 2,139,064; Dec. 6.
Pressing machine work support positioning means. G. R. Bicknell. 2,139,066; Dec. 6.
Pressure indication within well bores. W. T. Wells. 2,139,105; Dec. 6.
Pressure mechanism for drafting apparatus. T. Harris. 2,139,016; Dec. 6.
Pressure regulator. I. C. Jennings. 2,139,411; Dec. 6.
Printing, Method and apparatus for preventing slipping in. T. E. Knowlton. 2,139,164; Dec. 6.

Printing plates, Producing. S. C. Wilson. 2,139,054; Dec. 6.
Protector: *See*—
Lamp fuse protector.
Protector for fuel tank openings, Cap. A. M. Malluk. 2,138,871; Dec. 6.
Pulley, Metal. J. H. Lonskey. 2,139,622; Dec. 6.
Pulp, Apparatus for agitating and disintegrating. L. Justice and W. D. Macgeorge. 2,139,274; Dec. 6.
Pulsator, Milking machine. J. L. Hulbert. 2,138,921; Dec. 6.
Pump: *See*—
Accelerating pump. Fuel injection pump.
Electric fuel pump. Submerged centrifugal pump.
Fuel pump.
Fuel and air pump.
Pump head, Interchangeable turbine. T. G. Myers. 2,139,379; Dec. 6.
Pumps for internal combustion engines, Regulation of fuel injection. J. Lichtenstein. 2,139,194; Dec. 6.
Pumping jack, Hydraulic. L. Spencer. 2,139,101; Dec. 6.
Rack: *See*—
Refrigerator car floor rack. Seed display rack.
Rack for neckties and the like. H. Frey. 2,138,914; Dec. 6.
Rack for refrigerator cars, Floor. K. E. Zeidler. 2,139,056; Dec. 6.
Rack stringer, Floor. V. E. Sisson. 2,139,043; Dec. 6.
Radiator core construction. N. L. Kearney. 2,139,367; Dec. 6.
Radiator pressure cap. N. Walker. 2,139,395; Dec. 6.
Radio apparatus and method. T. E. Brockstedt. 2,139,057; Dec. 6.
Radio compass system. G. M. Hafner. 2,138,966; Dec. 6.
Radio direction finder. G. L. Davies and W. H. Orton. 2,139,058; Dec. 6.
Radio disturbances, Elimination of atmospheric. S. M. Whisk. 2,139,533; Dec. 6.
Radio paging system. P. Ware. 2,138,894; Dec. 6.
Radio receiver. A. P. Hultgren. 2,139,082; Dec. 6.
Railway car wheel. D. C. Dobbins. 2,139,070; Dec. 6.
Range. F. H. Schneider. 2,139,643; Dec. 6.
Reamer. D. S. Anthony. 2,138,897; Dec. 6.
Reamer, Liquid barrel bung and cork. H. Martin. 2,139,554; Dec. 6.
Reamer, Self-expanding and cleaning earth. E. H. Zumberge. 2,139,323; Dec. 6.
Receptacle: *See*—
Display receptacle.
Receptacle for pipes. J. E. Newton. 2,139,559; Dec. 6.
Reclosable box. E. W. Johnson. 2,139,021; Dec. 6.
Recorder. F. S. Marcellus. 2,139,509; Dec. 6.
Recorder. A. J. Schamehorn. 2,139,384; Dec. 6.
Recorder, Air jet. F. S. Marcellus. 2,139,508; Dec. 6.
Refrigerating apparatus. C. B. Boles. 2,139,110; Dec. 6.
Refrigerating apparatus. E. F. Schweller. 2,139,521; Dec. 6.
Refrigerating mechanism, Coin controlled. H. R. Smith. 2,139,523; Dec. 6.
Refrigeration. J. G. Bergdoll. 2,139,297; Dec. 6.
Refrigerator. T. Burns. 2,139,184; Dec. 6.
Refrigerator. D. C. Clarke. 2,139,441; Dec. 6.
Refrigerator. C. H. Nauert. 2,139,244; Dec. 6.
Refrigerator car floor rack. V. E. Sisson. 2,139,044; Dec. 6.
Regulator: *See*—
Boiler pressure regulator. Pressure regulator.
Relay, Frequency responsive. W. D. Cockrell. 2,139,489; Dec. 6.
Remote control mechanism. E. H. White and L. E. Turner. 2,139,052; Dec. 6.
Resin sheets containing diphenyl ether, Polyvinyl acetal. H. B. Smith and D. R. Swan. 2,138,889; Dec. 6.
Resins and fatty oils, Improving. H. Hönel. 2,139,081; Dec. 6.
Respirator, Filter type. N. Schwartz. 2,139,137; Dec. 6.
Resuscitator and inhalator, Combined. C. N. Erickson. 2,138,845; Dec. 6.
Revolving chair. C. A. Purdy. 2,139,462; Dec. 6.
Ribbon speeds and of producing composite ribbons, Synchronizing. R. E. Hanson and G. O. Frostad. 2,139,633; Dec. 6.
Rifle, Electric eye. J. E. Vivaudou. 2,139,530; Dec. 6.
Riveter, Portable hydraulic. A. F. Macconochie. 2,139,639; Dec. 6.
Road joint. J. H. Jacobson. 2,138,817; Dec. 6.
Road surface treating machine. F. L. Carswell. 2,138,904; Dec. 6.
Rock drill. G. H. Fuehrer. 2,138,915; Dec. 6.
Roll roofing fastener. H. M. Naze. 2,139,279; Dec. 6.
Roofing, Production of mineral surfaced. H. C. Howell. 2,139,619; Dec. 6.
Rope or cordage, Surface treating fibrous. R. C. Williams and H. M. Bone. 2,139,343; Dec. 6.
Rounding machine. F. E. Bertrand. 2,138,951; Dec. 6.
Rubber article and making the same, Dipped. J. R. Gammeter. 2,139,545; Dec. 6.
Rubber compositions and preparing same. P. J. Wiezevich. 2,138,895; Dec. 6.
Rubber derivative compositions. J. H. Kelly, Jr. 2,139,368; Dec. 6.
Rubber, Gas expanded. F. W. Peel. 2,138,877; Dec. 6.
Rubber hydrochloride. W. C. Calvert. 2,139,647; Dec. 6.
Rubber, Method and apparatus for vulcanizing strips. J. W. Lee. 2,139,414; Dec. 6.
Rule, Slide. R. B. Poole. 2,138,879; Dec. 6.
Running gear. W. R. Kales. 2,139,548; Dec. 6.
Running gear. W. R. Kales, I. H. Judd, P. Huebshman, and R. H. Helms. 2,139,547; Dec. 6.
Safetypin. W. Lockwood. 2,138,869; Dec. 6.
Salts of higher alkyl sulphides, Dialkyl cyclohexylamine. S. Lenher and L. B. Arnold, Jr. 2,139,277; Dec. 6.
Sanitary seat cover. C. D'Amato. 2,139,003; Dec. 6.
Sash fastener. C. O. Goserud. 2,139,331; Dec. 6.
Saw blade supporting and clamping device. G. J. Blum. 2,139,147; Dec. 6.
Saw for removing plaster casts. C. N. Jaworski. 2,139,272; Dec. 6.
Scalp cooling device. B. B. Cole. 2,139,001; Dec. 6.
Scraper, Earth. N. R. and C. R. Post. 2,138,820; Dec. 6.
Scraper, Wheeled. F. S. Dobson. 2,139,261; Dec. 6.
Screen: *See*—
Belt and grader screen. Lighting fixture screen.
Framed screen. Vibrating screen.
Screen for automobiles, Detachable. L. G. Gill. 2,139,156; Dec. 6.
Seat: *See*—
Adjustable seat.
Seat. E. M. Mensendieck and O. Utne. 2,139,028; Dec. 6.
Seat support, Adjustable. W. S. Saunders. 2,139,174; Dec. 6.
Seed display rack. W. H. Ford and L. G. Walton. 2,139,009; Dec. 6.
Self-cleaning filter, Continuous. C. J. Biell. 2,139,401; Dec. 6.
Separator: *See*—
Coin and token separator. Magnetic separator.
Hop separator.
Separator for evaporators, Oil. R. F. Peo. 2,139,459; Dec. 6.
Separator for sinks and the like, Grease. L. L. Seestedt, D. Ridge, and H. J. Luff. 2,138,985; Dec. 6.
Serrated wave form generator. H. O. Roosenstein. 2,139,467; Dec. 6.
Sewage, Destroying. H. H. Moreton. 2,139,419; Dec. 6.
Sewing machine. C. M. Toskey, J. D. Feeney, and C. E. Colegrove. 2,139,426; Dec. 6.
Shade support, Window. L. O. Draper and E. F. Pidgeon. 2,139,580; Dec. 6.
Shaped products, Manufacture of waterproof. E. Elöd and E. Demme. 2,138,909; Dec. 6.
Shaving implement. H. T. Schiff. 2,139,136; Dec. 6.
Sheet feeder. F. R. Belluche. 2,138,995; Dec. 6.
Sheet feeding mechanism. J. T. Hale. 2,139,228; Dec. 6.
Shield, Tunneling. G. W. Russell. 2,139,563; Dec. 6.
Shingle, Reversible Dutch lap. M. L. Hamlin. 2,139,015; Dec. 6.
Ships, Combined propelling and steering device for screw propelled. L. Kort. 2,139,594; Dec. 6.
Shock absorber. A. F. Jimenez and P. D. Bello. 2,139,591; Dec. 6.
Shock absorber for vehicles. C. H. Kirby. 2,139,592; Dec. 6.
Shoe lace fastener. A. Partin. 2,139,315; Dec. 6.
Shoes and insoles therefor, Manufacture of. M. Cuozzo. 2,139,260; Dec. 6.
Sign: *See*—
Interchanging sign.
Sign and attaching same, Enameled. J. W. Van Dyke. 2,139,049; Dec. 6.
Signal: *See*—
Direction signal. Gauge and telltale signal.
Signal for automobiles, Direction. T. H. Richards. 2,139,420; Dec. 6.
Signal lamp. C. F. Husemoller. 2,139,587; Dec. 6.
Signal receiver circuit. G. F. Brett and G. M. Wright. 2,139,438; Dec. 6.
Signaling system, Delayed. F. P. Gohorel. 2,139,117; Dec. 6.
Silencer construction. F. E. Deremer. 2,139,151; Dec. 6.
Slab concrete construction system, Precast hollow. J. E. Marston. 2,139,623; Dec. 6.
Slack eliminator for shoe patching machines. N. Peters. 2,138,981; Dec. 6.
Sled, Sport. W. J. Nelson and E. A. Leiding. 2,139,513; Dec. 6.
Sliding element and making the same. L. Kirschbraun. 2,139,620; Dec. 6.
Slip sheeting device. F. Nigra. 2,139,132; Dec. 6.
Sluice bearing structure, Roller. P. Cicin. 2,139,488; Dec. 6.
Sluice gate. F. W. Pellert. 2,139,458; Dec. 6.
Snare, Moth. E. Karfiol. 2,138,926; Dec. 6.
Snow plow attachment. J. Collins and S. M. Wright. 2,139,328; Dec. 6.
Soap tablet covered with a soft sheath. C. I. Meyer. 2,138,873; Dec. 6.
Socket construction, Plug. W. P. Herman. 2,138,919; Dec. 6.
Soldering and welding tool. J. W. Howie. 2,139,499; Dec. 6.
Sole press. G. A. Mussells. 2,139,030; Dec. 6.
Soles to shoes, Apparatus for applying. S. J. Finn. 2,138,960; Dec. 6.
Solvent extraction of olefines and diolefines from petroleum. C. A. Cohen. 2,139,000; Dec. 6.
Solvent refining of mineral oil. E. G. McFarland. 2,139,240; Dec. 6.
SO_2 from gases, Removal of. R. W. Millar and H. P. A. Groll. 2,139,375; Dec. 6.

Sound and picture reproducing apparatus, Combined. F. Freimann. 2,139,152; Dec. 6.
Sound, Recording of. E. W. Kellogg. 2,139,235; Dec. 6.
Speed mechanism, Variable. H. E. Twomley. 2,139,048; Dec. 6.
Speed regulator for vehicles, Steering gear control. D. J. Alvarado, Jr. 2,139,569; Dec. 6.
Spindle mounting for shuttles. R. G. Turner. 2,139,427; Dec. 6.
Spinneret and producing the same. G. M. Allen and G. C. Barton. 2,139,568; Dec. 6.
Splint, Surgical. J. Malik. 2,138,975; Dec. 6.
Spool. A. Moretti. 2,139,557; Dec. 6.
Spool for adhesive tape or the like, Dispensing. L. M. Mobley. 2,138,979; Dec. 6.
Spout and bottle cap, Sanitary drinking. R. E. Simons. **2,139,627; Dec. 6.**
Spout section. O. J. Hatteberg. 2,138,968; Dec. 6.
Staple driving machine. L. L. Wheeler. 2,139,342; Dec. 6.
Stapling apparatus. A. Rambold. 2,139,316; Dec. 6.
Station, Automatic selection. P. Abeloos. 2,139,324; Dec. 6.
Steam generator. J. P. Badenhausen. 2,139,348; Dec. 6.
Steamer, Ear corn. F. W. Douthitt. 2,138,908; Dec. 6.
Steel tube, Chromium alloy. F. M. Becket and R. Franks. 2,139,538; Dec. 6.
Steering knob for automobile steering wheels. H. P. Hansen. 2,139,546; Dec. 6.
Stoker equipment, Underfeed. M. E. Yeager. 2,139,144; Dec. 6.
Stopper for use in the conventional manner with lavatories, bathtubs, and the like. E. A. Fredrickson. 2,139,361; Dec. 6.
Storage plant and storing cotton and the like. O. F. Bledsoe. 2,139,182; Dec. 6.
Stove. B. B. Kahn. 2,138,925; Dec. 6.
Strain or suspension clamp. A. McLachlan. 2,139,415; Dec. 6.
Strap, Lug. F. E. Douglas. 2,139,446; Dec. 6.
Stray grass cutter. F. W. and L. C. Barker. 2,139,349; Dec. 6.
Stretcher topping and take-off bar for elastic hosiery welts and the like. E. A. Mohr. 2,139,130; Dec. 6.
Stringed instrument, Amplifying. R. W. Robertson. 2,139,099; Dec. 6.
Submerged centrifugal pump. J. J. Bradley. 2,138,997; Dec. 6.
Supervisory control system. H. P. Boswau. 2,139,352; Dec. 6.
Support: *See*—
Arch support. Packing support.
Bar support. Seat support.
Fire extinguisher support. Shade support.
Lid support.
Support for mirrors or the like. V. C. Luppert. 2,139,596; Dec. 6.
Suction cleaner. B. C. Becker. 2,139,146; Dec. 6.
Sulphonamide compounds. W. H. Moss. 2,138,934; Dec. 6.
Sunglass. J. Verre. 2,139,213; Dec. 6.
Support for paint brushes. J. Akers and K. H. Pearsen. 2,138,812; Dec. 6.
Support for receptacles. W. Linden. 2,139,309; Dec. 6.
Supporting structure for porcelain enameled pans. J. H. Miner. 2,139,322; Dec. 6.
Surfaces, Metalizing. E. Mall and W. Dorn. 2,139,640; Dec. 6.
Surfaces, Treating. C. Gaffney. 2,139,306; Dec. 6.
Suspender holder. S. Apostoluk and F. R. Prina. 2,139,481; Dec. 6.
Suspenders. F. R. Prina. 2,139,517; Dec. 6.
Switch: *See*—
Electric switch.
Switch. J. B. Forker, Jr. 2,138,962; Dec. 6.
Switch. C. F. Husemoller. 2,139,586; Dec. 6.
Switch mechanism. C. M. Petersen. 2,139,561; Dec. 6.
Swivel, Three-way. A. Weigant. 2,139,294; Dec. 6.
Synchronous control device. C. T. Foss. 2,138,912; Dec. 6.
Syrup concentrate, Coffee-chocolate. E. C. Forbes. 2,139,304; Dec. 6.
Table: *See*—
Extension leaf table.
Table pad, Plate warming. L. K. Frolich. 2,139,153; Dec. 6.
Tank for liquids, Agitating. G. S. Witham, Jr. 2,139,430; Dec. 6.
Telegraph receiver, Printing. F. Kreuzer. 2,139,452; Dec. 6.
Telephone system. G. Rothert. 2,139,135; Dec. 6.
Telephone system. R. L. Stokely. 2,139,247; Dec. 6.
Telephone system. P. V. Welch. 2,139,249; Dec. 6.
Television system, Multichannel. H. E. Ives. 2,139,233; Dec. 6.
Temperature control process and apparatus. J. G. Bejarano. 2,139,351; Dec. 6.
Tensioning assembly. A. Osolin. 2,139,642; Dec. 6.
Tent construction. T. C. Powers. 2,139,035; Dec. 6.
Termite repellent. N. P. Easling. 2,139,225; Dec. 6.
Tetrachlorethylene, Producing. G. Basel and E. Schaeffer. 2,139,219; Dec. 6.
Textile materials, Treatment of. D. Finlayson and R. G. Perry. 2,139,542; Dec. 6.
Textile packages for subsequent treatment, Method and apparatus for preparing batches of. R. Little. 2,139,553; Dec. 6.
Theme finder. W. O. Miessner. 2,138,875; Dec. 6.
Thermogauge-dash unit, Electric. B. H. Schwarze and R. H. Bigler. 2,139,385; Dec. 6.
Thermometer well. F. J. Harlow. 2,139,582; Dec. 6.
Thermostatic mixing valve. L. Gitzendanner. 2,138,852–3; Dec. 6.
Thiazole compounds and manufacture thereof. H. Andersag and K. Westphal. 2,139,570; Dec. 6.
Thread, Method and apparatus for producing artificial. G. M. Karns. 2,139,449; Dec. 6.
Thread or fabric treatment. J. I. Taylor and K. T. Schaefer. 2,139,389; Dec. 6.
Tieback for curtains, Novelty appliquéd. A. Jamgochian. 2,139,502; Dec. 6.
Time element, Frictionally heated. E. A. Halbleib, H. C. Rohr, and C. T. Wallis. 2,139,365; Dec. 6.
Time, System and apparatus for announcing. T. A. Solberg. 2,138,890; Dec. 6.
Timer mechanism. I. E. McCabe. 2,139,454; Dec. 6.
Toaster. V. Emanuel. 2,138,910; Dec. 6.
Toasting machine. L. V. Rebois. 2,139,334; Dec. 6.
Tool: *See*—
Bottle breaking tool. Percussion tool.
Conduit casing cutting tool. Soldering and welding tool.
Machine tool. Utility tool.
Tool and the like, Machine. R. Stuhlmacher. 2,138,987; Dec. 6.
Tooth brush. M. W. and I. N. Kohler. 2,139,593; Dec. 6.
Tooth brush attachment. F. H. Ogden. 2,139,245; Dec. 6.
Top, Spinning. N. Laing. 2,139,507; Dec. 6.
Tractor disk harrow, Wide single. F. C. Warne. 2,138,948; Dec. 6.
Tractor mounted implement. W. H. Silver. 2,139,042; Dec. 6.
Tractor unit control. G. E. Miller. 2,139,198; Dec. 6.
Traffic controlling system, Centralized. T. J. Judge. 2,138,863; Dec. 6.
Traffic controlling system, Centralized. N. D. Preston. 2,139,562; Dec. 6.
Traffic controlling system, Railway. R. M. Phinney. 2,138,878; Dec. 6.
Train describer system. W. D. Halles. 2,138,855; Dec. 6.
Train describer system. W. T. Powell. 2,138,880; Dec. 6.
Train pipe connecter, Automatic. J. Robinson. 2,138,883–4; Dec. 6.
Transfer sheet for decorating rubber. P. M. Bourdon. 2,139,068; Dec. 6.
Transmission system. J. L. Hysko. 2,139,232; Dec. 6.
Transmission, System of. H. M. Vanderhider. 2,139,103; Dec. 6.
Transmission, Variable speed. G. L. Olson. 2,139,560; Dec. 6.
Trimmer, Electric lawn edge. P. P. Bruder. 2,139,353; Dec. 6.
Truck, Fire hose. C. M. C. Baird. 2,139,484; Dec. 6.
Truck ice loading and unloading device. S. K. Wallace. 2,138,893; Dec. 6.
Truck loader and unloader. J. M. Milan. 2,139,417; Dec. 6.
Truck, Railway. D. S. Barrows. 2,139,434; Dec. 6.
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Trunk angle construction. J. Ritter, Jr. 2,139,518; Dec. 6.
Truss structure. W. M. Graham and F. B. Benzon. 2,139,363; Dec. 6.
Try square. W. H. Mohr. 2,139,243; Dec. 6.
Tube: *See*—
Cathode ray tube. Steel tube.
Electric discharge tube.
Tube and circuit, Secondary emission. H. E. Hollmann. 2,138,920; Dec. 6.
Tubing bleeder and jar. W. H. Stigall. 2,139,319; Dec. 6.
Tubing, Method of and apparatus for welding. F. L. Sessions. 2,139,211; Dec. 6.
Turbine system. H. P. Dahlstrand. 2,139,357; Dec. 6.
Typewriting and computing machine, Combined. O. Thleme. 2,139,566; Dec. 6.
Typewriting machine. A. G. F. Kurowski 2,139,552; Dec. 6.
Typewriting machine. J. F. Pfeiffer. 2,139,095; Dec. 6.
Underground structure, Determining. J. J. Jakosky. 2,138,818; Dec. 6.
Utensil, Cooking. J. B. McMullen. 2,139,598; Dec. 6.
Utility tool. W. E. Johnston. 2,138,862; Dec. 6.
Valve: *See*—
Lubricated valve. Thermostatic mixing valve.
Valve. S. G. Stuckey. 2,138,986; Dec. 6.
Valve device. B. Mollberg. 2,139,376; Dec. 6.
Valve for compressors. E. T. Neubauer. 2,139,313; Dec. 6.
Valve for internal combustion engines, Oil pressure relief. L. S. Hobbs. 2,138,969; Dec. 6.
Valve mechanism. G. A. Petroe. 2,138,937; Dec. 6.
Valve operating mechanism, Rotary. V. E. Flodin. 2,139,632; Dec. 6.
Vaporizer. P. O. Ritcher and R. K. Calfee. 2,139,463; Dec. 6.
Vapors or gases, Method and apparatus for treating. J. Hyman. 2,138,861; Dec. 6.

Variable inductance. H. J. Craymer. 2,139,443; Dec. 6.
Vehicle: *See*—
Motor vehicle.
Vehicle body. R. L. Carr. 2,139,258; Dec. 6.
Vehicle brake. R. A. Avery. 2,139,646; Dec. 6.
Vehicle brake. G. C. R. Kuiper. 2,139,083; Dec. 6.
Vehicles, Installation for the washing of. E. Piquerez. 2,139,096; Dec. 6.
Vending machine. W. V. Derby. 2,139,578; Dec. 6.
Ventilating means for vehicle bodies. J. W. Greig. 2,139,014; Dec. 6.
Vermiculite expansion method. J. B. Myers and G. Sucetti. 2,139,378; Dec. 6.
Vessel, Cooking. J. A. Hashek. 2,139,267; Dec. 6.
Vibrating screen. H. G. Linke. 2,139,089; Dec. 6.
Vibrator, Massage. P. L. Eberly. 2,138,815; Dec. 6.
Viscose, Manufacture of. J. De Booys. 2,139,302; Dec. 6.
Viscosity compensating device. H. F. Vickers. 2,139,050; Dec. 6.
Vise. J. Tramsak. 2,139,292; Dec. 6.
Vise for typographical machines. A. H. Kelley, Jr. 2,139,638; Dec. 6.
Vitrified products, Making. D. E. Lower. 2,138,870; Dec. 6.
Washing machine. H. H. Harlan. 2,139,229; Dec. 6.
Water control, Feed. F. H. Bradford. 2,138,903; Dec. 6.
Watercraft. W. Grunberg, dit Greg. 2,139,303; Dec. 6.
Waver, Hair. B. M. Beskow. 2,139,181; Dec. 6.
Weather strip. C. T. Fessler. 2,139,329; Dec. 6.
Wedge for vehicle brakes, Energizing floating. A. T. Babineau. 2,139,345; Dec. 6.
Welding. E. S. Hebeler. 2,139,160; Dec. 6.
Wheel: *See*—
Railway car wheel.
Wheel suspension. C. L. Stevens. 2,139,178; Dec. 6.
Window arrangement. R. L. Carr. 2,138,838; Dec. 6.
Window construction. T. W. Holt and J. F. Levan. 2,138,816; Dec. 6.
Wing for aircraft, Auxiliary. W. Blume. 2,138,952; Dec. 6.
Wiper, Film. C. S. Bassin. 2,139,537; Dec. 6.
Wire holder. R. R. Pittman and C. H. Walsh. 2,139,332; Dec. 6.
Wire holder, Sealed screw. R. R. Pittman and C. H. Walsh. 2,139,333; Dec. 6.
Workbench, Portable. P. T. Wallgren. 2,139,293; Dec. 6.
Wrench. W. A. Parker. 2,139,600; Dec. 6.
Yardage measuring device for football games. L. E. Cassell and D. B. Massie. 2,139,300; Dec. 6.
Yarn, Producing. W. Whitehead. 2,138,950; Dec. 6.
Zinc oxide, Making. W. T. Maldens. 2,139,196; Dec. 6.
Zinc sheets, Forming. C. I. Wasson. 2,139,215; Dec. 6.

CLASSIFICATION OF PATENTS

ISSUED DECEMBER 6, 1938

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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U. S. GOVERNMENT PRINTING OFFICE: 1938

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Acme Chemical Company, Milwaukee, Wis. Powdered cleanser. Serial No. 411,072; Dec. 13. Class 4.

Adventures in Good Eating, Inc., Chicago, Ill. Series of directories. Serial No. 410,714; Dec. 13. Class 38.

Agfa Ansco Corporation, Binghamton, N. Y. Periodical publications. Serial No. 401,519; Dec. 13. Class 38.

Ajax Brewing Corporation, Indianapolis, Ind. Beer. Serial No. 401,717; Dec. 13. Class 48.

Allbestos Corporation, Philadelphia, Pa. Oil burner wicking. Serial No. 411,360; Dec. 13. Class 34.

American Beauty Macaroni. (See Kansas City Macaroni & Importing Co.)

American Lace Paper Company, Milwaukee, Wis. Paper box laces, paper doilies, paper napkins, etc. Serial No. 407,296; Dec. 13. Class 37.

American Murex Corporation, New York, N. Y. Metallic welding electrodes. Serial No. 411,762; Dec. 13. Class 14.

Andrews, Augusto J., doing business as Pawtucket Standard Braid Company, Pawtucket, R. I. Shoe laces and braids. Serial No. 411,440; Dec. 13. Class 40.

Arranbee Doll Co., New York, N. Y. Dolls. Serial No. 411,983; Dec. 13. Class 22.

Aviation Manufacturing Corporation, Chicago, Ill. Airplanes and structural parts thereof. Serial No. 411,850; Dec. 13. Class 19.

Babcock, Denison, New York, N. Y. Ball game devices. Serial No. 411,595; Dec. 13. Class 22.

Baltimore Pure Rye Distilling Company, The, Dundalk, Md. Pure rye whiskey. Serial No. 411,397; Dec. 13. Class 49.

Baronet-Lorma Co., Inc., New York, N. Y. Powder puffs. Serial No. 411,485; Dec. 13. Class 29.

Barrett Company, The, New York, N. Y. Shingles. Serial No. 407,416; Dec. 13. Class 12.

Barton Chemical Co. (See Bartos, Vincent B.)

Bartos, Vincent B., doing business as Barton Chemical Co., Chicago, Ill. Liquid solution for bleaching, deodorizing, and disinfecting clothes, etc. Serial No. 411,851; Dec. 13. Class 6.

Baxter Laboratories, Inc., Glenview, Ill. Apparatus for use in the transfusion of blood and parenteral liquids. Serial No. 412,210; Dec. 13. Class 44.

Beautalure, Inc., Wilmington, Del. Hair tonic. Serial No. 411,149; Dec. 13. Class 6.

Beeman, George W., doing business as Beeman & Company, Detroit, Mich. Oily preparation to prevent sunburn and aid an even tan. Serial No. 408,185; Dec. 13. Class 6.

Bell Aircraft Corporation, Buffalo, N. Y. Airplanes and structural parts thereof. Serial No. 411,733; Dec. 13. Class 19.

Belle Meade Products Company, Inc., Belle Meade, Va. Whiskey. Serial No. 401,550; Dec. 13. Class 49.

Belove Watch Case Co., Inc., New York, N. Y. Watch cases and watch dials. Serial No. 388,702; Dec. 13. Class 27.

Bemis Bro. Bag Co., St. Louis, Mo. Paper bags. Serial No. 411,207; Dec. 13. Class 2.

Biff Manufacturing Company. (See Leach, Arthur C.)

Bilbara Publishing Co. Inc., New York, N. Y. Magazine. Serial No. 403,633; Dec. 13. Class 38.

Binks Manufacturing Company, Chicago, Ill. Dry type spray booths, wash type spray booths, etc. Serial No. 409,229; Dec. 13. Class 23.

Black, Walter J., Inc., New York, N. Y. Series of books. Serial No. 411,151; Dec. 13. Class 38.

Bloomingdale Bros., Inc., New York, N. Y. Beds, dressers, chairs, etc. Serial No. 411,736; Dec. 13. Class 32.

Blum, Frank A., & Sons, Pittsburgh, Pa. Cheese. Serial No. 410,828; Dec. 13. Class 46.

Bollman, Geo. W., & Co., Adamstown, Pa. Men's and boys' hats. Serial No. 398,704; Dec. 13. Class 39.

Bonn, M., Co., Inc., Pittsburgh, Pa. Watches, watch cases, watch movements, etc. Serial No. 405,287; Dec. 13. Class 27.

Booth Fisheries Corporation, Chicago, Ill. Fish and shell fish. Serial No. 406,544; Dec. 13. Class 46.

Bradley, Milton, Company, Springfield, Mass. Table board games. Serial No. 411,518; Dec. 13. Class 22.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Beverage coolers. Serial No. 403,073; Dec. 13. Class 31.

Brush Development Company, The, Cleveland, Ohio. Electro-acoustic transducers. Serial No. 403,714; Dec. 13. Class 21.

Burns, Bob. (See Pochapin, M. M., Inc.)

Can Do Company. (See Finley, Lois.)

Cardinal Parfums, Inc., New York, N. Y. Toilet water, perfumes, and cologne. Serial No. 411,809; Dec. 13. Class 6.

Casco Products Corporation, Bridgeport, Conn. Cigarette holders. Serial No. 405,011; Dec. 13. Class 8.

Celanese Corporation of America, New York, N. Y. Piece goods of cellulose derivatives. Serial No. 411,628; Dec. 13. Class 42.

Celanese Corporation of America, New York, N. Y. Piece goods of cellulose derivatives. Serial Nos. 411,766–71; Dec. 13. Class 42.

Celanese Corporation of America, New York, N. Y. Piece goods of cellulose derivatives. Serial Nos. 411,810–18; Dec. 13. Class 42.

Champion Milling & Grain Company, Clinton, Iowa. Cultured feeding concentrate. Serial No. 387,432; Dec. 13. Class 46.

Clark, Daniel, Chicago, Ill. Bowstrings. Serial No. 411,570; Dec. 13. Class 22.

Cohn, L. A., & Bro., Inc., Chicago, Ill. Hi lead plastic bronze. Serial No. 410,570; Dec. 13. Class 14.

Collins & Aikman Corporation, Philadelphia, Pa., and New York, N. Y. Pile fabrics. Serial No. 394,125; Dec. 13. Class 42.

Colonial Earphone Co., Inc., New York, N. Y. Toy telephone systems, receivers, and transmitters. Serial No. 410,450; Dec. 13. Class 22.

Columbia Alkali Corporation, The, Barberton, Ohio. Sodium bicarbonate. Serial No. 406,632; Dec. 13. Class 6.

Continental Mills, Inc., Philadelphia, Pa. Coats, suits, cloaks, etc. Serial No. 411,212; Dec. 13. Class 39.

Coors Porcelain Company, Golden, Colo. Laboratory porcelain ware. Serial No. 408,157; Dec. 13. Class 26.

Cory-Patterson Mfg. Company, Greenfield, Ohio. Life saving nets and supports therefor. Serial No. 410,831; Dec. 13. Class 50.

Coty, Inc., New York, N. Y. Rouge compacts, powder compacts, lipsticks, etc. Serial No. 412,083; Dec. 13. Class 6.

Crumbie, Joseph, doing business as Jingle Bell Ice Cream Company, Fort Worth, Tex. Ice cream bars. Serial No. 408,420; Dec. 13. Class 46.

Dant & Head Distilling Company, Louisville and Gethsemane, Ky. Whiskey. Serial No. 411,867; Dec. 13. Class 49.

De Beublain, Jean B. M. Y. A. D., Saint-Etienne, France. Towels, towelling, sheets, etc. Serial No. 407,460; Dec. 13. Class 42.

Dessiedess Paint Co. Inc., New York, N. Y. Paints for walls. Serial No. 398,713; Dec. 13. Class 16.

De Woody Manufacturing Company, Pine Bluff, Ark. Ointment. Serial No. 411,260; Dec. 13. Class 6.

Dowst Manufacturing Company, Chicago, Ill. Miniature toys and novelties. Serial No. 411,525; Dec. 13. Class 22.

Duroch Limited, Inc., Philadelphia, Pa. Scotch whiskey. Serial No. 412,252; Dec. 13. Class 49.

Echo Publishing Company. (See Lee, James R.)

Ellentee Limited, London, England. Medicated preparations for human use. Serial No. 410,427; Dec. 13. Class 6.

Evers & Johnson, Chicago, Ill. Icings. Serial No. 410,290; Dec. 13. Class 46.

Faust Macaroni Company. (See Kansas City Macaroni & Importing Co.)

Feinstein, P., & Sons, Inc., New York, N. Y. Coats, vests, trousers, etc. Serial No. 411,632; Dec. 13. Class 39.

Fernández, José, S. en C., Sucrs. de, San Juan, P. R. Rum. Serial No. 411,723; Dec. 13. Class 49.

Finley, Lois, doing business as Can Do Company, Kansas City, Mo. Nasal jelly. Serial No. 409,995; Dec. 13. Class 6.

Firestone Tire & Rubber Company, The, Akron, Ohio. Resilient vehicle tires. Serial No. 404,082; Dec. 13. Class 35.

Fisher Scientific Company, Pittsburgh, Pa. Ink used in writing on glass and other non-absorptive surfaces. Serial No. 411,492; Dec. 13. Class 11.

Fletcher, Ruth A., doing business as Maison Adèle, Watertown, Mass. Liquid adherent to be applied to the face. Serial No. 411,068; Dec. 13. Class 6.

Foster Brothers Manufacturing Company, Utica, N. Y. Sofa beds and studio couches. Serial No. 398,532; Dec. 13. Class 32.

French Bakery Company, The, Cleveland, Ohio. Bread. Serial No. 411,688; Dec. 13. Class 46.

Frendo, John V., doing business as Zee-Kook Tenderizer Co., Detroit, Mich. Meat tenderizer. Serial No. 411,051; Dec. 13. Class 46.

Galban Lobo Company Importing and Exporting Association, S. A., Habana, Cuba. Prepared cereals, olive oil, lard, etc. Serial No. 400,158; Dec. 13. Class 46.

Gehring Laces, Inc., New York, N. Y. Lace piece goods. Serial No. 411,270; Dec. 13. Class 42.

Gelman, Joseph, Pittsburgh, Pa. Hair ointment and hair reconditioner. Serial No. 411,831; Dec. 13. Class 6.

Gillette Safety Razor Blade Company, Boston, Mass. Safety razors and safety razor blades. Serial No. 402,858; Dec. 13. Class 23.
Gleason-Avery, Inc., Auburn, N. Y. Temperature responsive stoker control burner timers. Serial No. 409,268; Dec. 13. Class 26.
Globe Knitting Works, Grand Rapids, Mich. Pajamas. Serial No. 411,409; Dec. 13. Class 39.
Goldmoor Cloak & Suit Co., Inc., New York, N. Y. Women's coats and suits. Serial No. 411,160; Dec. 13. Class 39.
Goldsmith Bros., New York, N. Y. Tooth paste and powder, styptic pencils, toilet water, etc. Serial No. 410,991; Dec. 13. Class 6.
Goodrich, B. F., Company, The, New York, N. Y. Electric storage batteries. Serial No. 411,497; Dec. 13. Class 21.
Goodrich, B. F., Company, The, Akron, Ohio, and New York, N. Y. Top dressing, metal polish, upholstery fabric cleaner, etc. Serial No. 401,566; Dec. 13. Class 4.
Gottesman and Company, Incorporated, New York, N. Y. Wood pulp. Serial No. 400,161; Dec. 13. Class 1.
Graef-Cowen Corporation, Allentown, Pa. Fly swatters. Serial No. 409,356; Dec. 13. Class 50.
Gucovjian, John G., New York, N. Y. Half-tone screens. Serial No. 411,634; Dec. 13. Class 50.
Gumakers of America, Inc., Clifton Heights, Pa. Chewing gum. Serial No. 411,453; Dec. 13. Class 46.
Haas, Charles F., doing business as Midwest Laboratories, Cleveland, Ohio. Jell used for feminine hygiene. Serial No. 405,845; Dec. 13. Class 6.
Hamilton, A. K., & Co., Inc., New York, N. Y. Whiskey, gin, brandy, etc. Serial No. 411,863; Dec. 13. Class 49.
Hamilton Manufacturing Company, Two Rivers, Wis. Children's furniture and training accessories. Serial No. 412,030; Dec. 13. Class 32.
Hans, Edmund E., Detroit, Mich. Vehicle heaters. Serial No. 406,513; Dec. 13. Class 19.
Hardy, James G., doing business as James G. Hardy & Co., New York, N. Y. Cotton sheets and pillow cases, etc. Serial No. 406,512; Dec. 13. Class 42.
Hausheer, W. E., doing business as The Tecor Co., Chicago, Ill. Pads impregnated with a cleansing preparation. Serial No. 411,163; Dec. 13. Class 6.
Heller, B., & Company, Chicago, Ill. Base for making a chocolate flavored dairy drink. Serial No. 411,412; Dec. 13. Class 46.
Higginsville Flour Mill. (See Stout, Charles B.)
Hitchcock, Edwin G., doing business as Hitchcock's Talent Data Service, Hollywood, Calif. Directory. Serial No. 406,587; Dec. 13. Class 38.
Hockwald Chemical Company, San Francisco, Calif. Sanitary cleanser for toilet bowls. Serial No. 411,029; Dec. 13. Class 6.
Holden, John W. W., Providence, R. I. Thread and yarn. Serial No. 411,414; Dec. 13. Class 43.
Holland Orchards, Kelseyville, Calif. Fresh deciduous fruits. Serial No. 411,223; Dec. 13. Class 46.
Houdroulis Bros. Inc., Baltimore, Md. Canned fruits, vegetables and fish, olive oil and baking powder. Serial No. 402,684; Dec. 13. Class 46.
Houghton, E. F., & Co., Philadelphia, Pa. Oil and grease resistant compound for paper. Serial No. 411,054; Dec. 13. Class 6.
Howe, George J., Company, Inc., Grove City, Pa. Pop corn, peanuts and other nuts, coffee, etc. Serial No. 403,591; Dec. 13. Class 46.
Hudson, J. L., Company, Detroit, Mich. Topcoats and overcoats. Serial Nos. 411,694–5; Dec. 13. Class 39.
Hunter, Celeste L., doing business as C. L. Hunter, Marrero, La. Skin tonic. Serial No. 411,833; Dec. 13. Class 6.
Ind Coope & Allsopp, Limited, London and Burton-on-Trent, England. Beer. Serial No. 411,637; Dec. 13. Class 48.
International Appliance Corporation, Brooklyn, N. Y. Electrical cooking stoves. Serial No. 410,695; Dec. 13. Class 21.
Interwoven Stocking Company, New Brunswick, N. J. Hosiery. Serial No. 411,417; Dec. 13. Class 39.
Isaacs, I. C., & Company, Inc., Baltimore, Md. Breeches, jodphurs, pants, etc. Serial No. 411,534; Dec. 13. Class 39.
Jingle Bell Ice Cream Company. (See Crumble, Joseph.)
Joseph, E. D., & Sons Company, Springfield, Mass. Jordan machines and fillings therefor. Serial No. 410,738; Dec. 13. Class 23.
Kang, L. B., Los Angeles, Calif. Liquid cleaner compound, and glass cleaner. Serial No. 411,337; Dec. 13. Class 4.
Kansas City Macaroni & Importing Co., doing business as Faust Macaroni Company and American Beauty Macaroni Company, Kansas City, Mo. Macaroni, spaghetti, and noodles. Serial No. 408,801; Dec. 13. Class 46.
Kaplan Bros., New York, N. Y. Artificial flowers. Serial No. 410,959; Dec. 13. Class 50.
Karr, Charles, Company, Holland, Mich. Mattresses, cushions, and pillows. Serial No. 411,871; Dec. 13. Class 32.
Kaumanns, Josephine L., Highland Park, Ill. Flavoring material. Serial No. 388,486; Dec. 13. Class 46.
Kelling Nut Co., The, Chicago, Ill. Nut meats. Serial No. 392,800; Dec. 13. Class 46.
Kendall Company, The, Walpole, Mass. Cheese cloth. Serial No. 402,635; Dec. 13. Class 42.
Knorr Mercantile Company, The, Wichita, Kans. Dress shirts. Serial No. 402,636; Dec. 13. Class 39.
Kopp, Morris, New York, N. Y. Clothing and sportswear. Serial No. 408,409; Dec. 13. Class 39.
Krasne Bros., New York, N. Y. Canned dog and cat food. Serial No. 411,124; Dec. 13. Class 46.
Kreis, Elmer, & Co., Chicago, Ill. Umbrellas. Serial No. 411,418; Dec. 13. Class 41.
Kroehler Manufacturing Co., Chicago, Ill. Lounge chairs. Serial No. 411,955; Dec. 13. Class 32.
Lake Shore Marketing and Merchandising Co., Inc., Chicago, Ill. Periodical publication. Serial No. 392,216; Dec. 13. Class 38.
Laucks, I. F., Inc., Seattle, Wash. Glue. Serial No. 411,786; Dec. 13. Class 5.
Laymon, H. B., doing business as World's Products Company, Spencer, Ind. Prophylactic rubber articles. Serial No. 411,096; Dec. 13. Class 44.
Leach, Arthur C., doing business as Biff Manufacturing Company, Pueblo, Colo. Liquid wax and dry polish. Serial No. 408,390; Dec. 13. Class 16.
Lee, Benjamin, doing business as Model Garment Company, Chicago, Ill. House dresses. Serial No. 405,607; Dec. 13. Class 39.
Lee, James R., doing business as Echo Publishing Company, Memphis, Tenn. Publication. Serial No. 403,010; Dec. 13. Class 38.
Lee Paper Company, Vicksburg, Mich. Bond paper. Serial No. 409,887; Dec. 13. Class 37.
Lord & Taylor, New York, N. Y. Jackets and coats. Serial No. 411,643; Dec. 13. Class 39.
Lorraine Manufacturing Company, Pawtucket, R. I., and New York, N. Y. Skirts, waists, suits, etc. Serial No. 411,421; Dec. 13. Class 39.
Love Romances Publishing Company, Inc., New York, N. Y. Periodical. Serial No. 411,581; Dec. 13. Class 38.
Lowe Brothers Company, The, Dayton, Ohio. Paints, enamels, varnishes, etc. Serial No. 411,535; Dec. 13. Class 16.
Lustron Lights, Inc., New York, N. Y. Neon tubes, gaseous discharge tubes, etc. Serial No. 411,505; Dec. 13. Class 21.
Macy, R. H., & Co., Inc., New York, N. Y. Lacquers, leads for paint pigments, liquid wax, etc. Serial No. 411,537; Dec. 13. Class 16.
Magic Ear Radio Corporation, New York, N. Y. Bedside radio sets and bedside radio attachments. Serial No. 403,950; Dec. 13. Class 21.
Maison Adèle. (See Fletcher, Ruth A.)
Marquis Furniture Co., Inc., The, New York, N. Y. Beds. Serial No. 408,321; Dec. 13. Class 32.
Matusow, Max, doing business as The Matusow Mfg. Company, Philadelphia, Pa. Lumberjackets and suits. Serial No. 412,003; Dec. 13. Class 39.
May Department Stores Company, The, St. Louis, Mo. Furniture. Serial No. 411,699; Dec. 13. Class 32.
May Department Stores Co., The, New York, N. Y., Akron, Ohio, Baltimore, Md., Cleveland, Ohio, Los Angeles, Calif., Denver, Colo., and St. Louis, Mo. Suits, hats, and caps. Serial No. 410,298; Dec. 13. Class 39.
McCaffrey, Owen P., and Associates, Chicago, Ill. Publication. Serial No. 410,259; Dec. 13. Class 38.
Merchants Milling Co., The, Hagerstown, Md. Blended flour. Serial No. 396,644; Dec. 13. Class 46.
Midwest Laboratories. (See Haas, Charles F.)
Mills, May, doing business as The Postmasters Advocate Publishing Co., Washington, D. C. Magazine. Serial No. 404,481; Dec. 13. Class 38.
Model Garment Company. (See Lee, Benjamin.)
Monarch Leather Company, Chicago, Ill. Leather. Serial No. 404,767; Dec. 13. Class 1.
Monsanto Chemical Company, St. Louis, Mo. Phosphate compositions. Serial No. 411,233; Dec. 13. Class 6.
Morrison Engineering Company, Inc., Cleveland, Ohio. Ovens. Serial No. 411,423; Dec. 13. Class 34.
Mulkey, John H., doing business as Western Jewelry Company, Portland, Oreg. Jewelry. Serial No. 402,537; Dec. 13. Class 28.
Music, Leonard, New York, N. Y. Astringents, astringent cerates, beauty creams, etc. Serial No. 411,648; Dec. 13. Class 6.
National Electrical Manufacturers Association, New York, N. Y. Bulletins, booklets, reports, etc. Serial No. 411,611; Dec. 13. Class 38.
National Grape Corporation, Brocton, N. Y. Port, cocktail sherry, and other sherries. Serial No. 411,178; Dec. 13. Class 47.
National Silver Company, New York, N. Y. Sterling silver and silver plated flatware, hollow ware, and tableware. Serial Nos. 411,650–1; Dec. 13. Class 28.
National Sure-Fit Quilting Company, Inc., Long Island City, N. Y. Patchwork quilts, comforters, and bedspreads. Serial No. 411,279; Dec. 13. Class 42.

National Sure-Fit Quilting Company, Inc., New York, N. Y. Comforters. Serial No. 410,919; Dec. 13. Class 42.
Natural Set Up Sales Corporation, St. Louis, Mo. Soft drinks, and extracts and concentrated fruit syrups used in the preparation of same. Serial No. 411,702; Dec. 13. Class 45.
Neiman-Marcus Company, Dallas, Tex. Outer shirts. Serial No. 411,236; Dec. 13. Class 39.
New Base, Inc., New York, N. Y. Food flavoring extract. Serial No. 409,412; Dec. 13. Class 46.
New York World-Telegram Corporation, New York, N. Y. News feature. Serial No. 411,653; Dec. 13. Class 38.
No-Sag Spring Company, The, Detroit, Mich. Mattresses and bed springs. Serial No. 411,703; Dec. 13. Class 32.
Nuodex Products Co., Inc., Elizabeth, N. J. Drier preservatives. Serial No. 411,280; Dec. 13. Class 16.
Nuodex Products Co., Inc., Elizabeth, N. J. Driers, drier preservatives, wetting and dispersing agents, etc. Serial No. 411,282; Dec. 13. Class 16.
Oil City Tank & Boiler Company, Oil City, Pa. Water heating and steam generating boilers. Serial No. 411,309; Dec. 13. Class 34.
Oletime Woodsman's Line. (See Sherer, Josephine W.)
Oneida Ltd., Sherrill and Oneida, N. Y., and Northampton, Mass. Silver plated flatware and silver plated cutlery. Serial No. 402,915; Dec. 13. Class 28.
Osteroder Gummiwerk Josef Weinand, Osterode, Germany. Rubber composition for dental purposes, and dentures. Serial No. 406,625; Dec. 13. Class 44.
Oxford Products Company, Beverly Hills, Calif. Photographic film developing, fixing, and hardening solutions. Serial No. 411,179; Dec. 13. Class 6.
Pacific Bottlers' Supply Company, The, Seattle, Wash. Whiskey. Serial No. 399,855; Dec. 13. Class 49.
Parker Rust Proof Company, Detroit, Mich. Chemicals. Serial No. 411,134; Dec. 13. Class 6.
Pawtucket Standard Braid Company. (See Andrews, Augusto J.)
Peck & Peck, New York, N. Y. Sweaters. Serial No. 403,326; Dec. 13. Class 39.
Pendragon, not incorporated, Chicago, Ill. Cold cream. Serial No. 401,799; Dec. 13. Class 6.
Petroleum Heat and Power Company, New York, N. Y. Thermostats. Serial No. 411,654; Dec. 13. Class 26.
Philco Radio and Television Corporation, Philadelphia, Pa. Air conditioning units. Serial No. 409,742; Dec. 13. Class 34.
Phillips Petroleum Company, Bartlesville, Okla. Oils and greases. Serial No. 370,119; Dec. 13. Class 15.
Phoenix Toilet & Paper Mfg. Co. Inc., Phoenix, N. Y. Toilet paper. Serial No. 409,106; Dec. 13. Class 37.
Photocraft Publications, Inc., New York, N. Y. Periodical publication. Serial No. 411,425; Dec. 13. Class 38.
Pochapin, M. M., Inc., New York, N. Y., assignor to Bob Burns, also known as Robert Burn, Hollywood, Calif. Toy musical instruments. Serial No. 396,782; Dec. 13. Class 22.
Postmasters Advocate Publishing Co., The. (See Mills, May.)
Printz Biederman Company, The, Cleveland, Ohio. Women's coats and suits. Serial No. 408,968; Dec. 13. Class 39.
Procter & Gamble Company, The, Cincinnati, Ohio. Washing powder. Serial No. 403,091; Dec. 13. Class 4.
Q Company. (See Tenderoni, Inc.)
Quaker Oats Company, The, Chicago, Ill. Cereal grass used as a food for animals. Serial No. 410,086; Dec. 13. Class 46.
Rados & Berg, Inc., Terminal Island, Calif. Sea food. Serial No. 408,720; Dec. 13. Class 46.
Renault, L. N., & Sons, Inc., Egg Harbor City, N. J. Wines. Serial No. 391,774; Dec. 13. Class 47.
Rice, William W., Chicago, Ill. Automatic photographing apparatus. Serial No. 410,707; Dec. 13. Class 26.
Ridgewood Novelty Manufacturing Company, Brooklyn and New York, N. Y. Toy novelty figures. Serial No. 410,800; Dec. 13. Class 22.
Roche-Organon, Inc., Nutley, N. J. Medical preparation. Serial No. 411,899; Dec. 13. Class 6.
Rochester Germicide Company, Rochester, N. Y. Liquid disinfectants and deodorants. Serial No. 411,102; Dec. 13. Class 6.
Rock Island Fuel Company, Rock Island, Ill. Coal. Serial No. 410,611; Dec. 13. Class 1.
Rose, Murray, New York, N. Y. Hosiery. Serial No. 412,054; Dec. 13. Class 39.
Sagner, A., & Sons, Inc., Baltimore, Md. Men's suits. Serial No. 411,343; Dec. 13. Class 39.
Salerno-McGowen Biscuit Company, Chicago, Ill. Cookies. Serial No. 410,091; Dec. 13. Class 46.
Samuels, T. W., Distillery, Inc., Deatsville, Ky. Kentucky straight bourbon whiskey. Serial No. 410,090; Dec. 13. Class 49.
Samuels, T. W., Distillery, Inc., Deatsville, Ky. Whiskey. Serial No. 411,313; Dec. 13. Class 49.
San-Nap-Pak Mfg. Co. Inc., New York, N. Y. Bathroom and toilet tissue. Serial No. 409,593; Dec. 13. Class 37.
Schnelerson, I., & Sons, Inc., New York, N. Y. Chemises, princess slips, bloomers, etc. Serial No. 410,660; Dec. 13. Class 39.
Sebastian Stuart Fish Co., Seattle, Wash. Canned fish. Serial No. 410,932; Dec. 13. Class 46.
Sherer, Josephine W., doing business as Oletime Woodsman's Line, Paxton, Mass. Baits, fishing boot harnesses, etc. Serial No. 404,550; Dec. 13. Class 22.
Smooth-On Manufacturing Company, Jersey City, N. J. Hydraulic iron cement. Serial No. 410,754; Dec. 13. Class 12.
Societe Anonyme des Etablissements G. Evrard & Herbet "Au Pierrot Gourmand", Ivry-sur-Seine, France. Candy, pastry, cocoa, sugar, and honey. Serial No. 409,011; Dec. 13. Class 46.
Societe St.-Raphael, Societe Anonyme, Paris, France. Apéritif wine. Serial Nos. 411,386–7; Dec. 13. Class 47.
Spaulding Bakeries, Inc., Binghamton, N. Y. Bakery products. Serial No. 409,064; Dec. 13. Class 46.
Sponge Rubber Products Company, The, Derby, Conn. Play balls and playsets. Serial No. 411,717; Dec. 13. Class 22.
Spratt's Patent (America) Limited, London, England, and Newark, N. J. Biscuit and other foods for fish, poultry, etc. Serial No. 407,038; Dec. 13. Class 46.
Staley, A. E., Manufacturing Company, Decatur, Ill. Starch conversion syrup. Serial No. 408,736; Dec. 13. Class 46.
Standard Milling Company, New York, N. Y. Cake flour. Serial No. 411,286; Dec. 13. Class 46.
Stout, Charles B., doing business as Higginsville Flour Mill, Memphis, Tenn. Wheat flour. Serial Nos. 411,555–6; Dec. 13. Class 46.
Strand Leather Goods Co., Inc., New York, N. Y. Ladies' handbags. Serial No. 400,706; Dec. 13. Class 3.
Supervapor Equipment Corporation, New York, N. Y. Vapor devices. Serial No. 400,073; Dec. 13. Class 44.
Taylor Instrument Companies, Rochester, N. Y. Barometers. Serial No. 410,563; Dec. 13. Class 26.
Tecor Co., The. (See Hausheer, W. E.)
Tenderoni, Inc., doing business as Q Company, Joliet, Ill. Macaroni. Serial No. 408,551; Dec. 13. Class 46.
Torvic Laboratories, Incorporated, Hagerstown, Md. Medical appliance. Serial No. 408,293; Dec. 13. Class 44.
Toxaway Tanning Company, New York, N. Y. Leather. Serial No. 411,623; Dec. 13. Class 1.
Trabert & Hoeffer Inc., New York, N. Y. Emeralds and precious stones. Serial No. 411,559; Dec. 13. Class 28.
Tress Roll Corporation, New York, N. Y. Hair curling fluid. Serial No. 411,585; Dec. 13. Class 6.
United States Mineral Wool Company, Chicago, Ill. Thermal insulating material. Serial No. 406,405; Dec. 13. Class 12.
United States Power Squadrons, Inc., New York, N. Y. Publications. Serial No. 402,657; Dec. 13. Class 38.
United States Rubber Products, Inc., assignor to United States Rubber Company, New York, N. Y. Rubber tires for vehicles. Serial Nos. 411,917–19; Dec. 13. Class 35.
Unterberg, I., & Co., Inc., New York, N. Y. Men's outer shirts. Serial No. 411,108; Dec. 13. Class 39.
Velveray Corporation of America, New York, N. Y. Textile fabrics. Serial No. 406,310; Dec. 13. Class 42.
Victo-Graph Corporation, Chicago, Ill. Duplicating machine parts. Serial No. 411,724; Dec. 13. Class 23.
Vita Seltzer Co., San Francisco, Calif. Effervescent preparation. Serial No. 411,349; Dec. 13. Class 6.
Volcanic Products Corporation, Chicago, Ill. Volcanic material and scoria for filling hollow walls, floors, etc. Serial No. 410,565; Dec. 13. Class 12.
Vox Pop Company, Oakland, Calif. Candied confection. Serial No. 409,856; Dec. 13. Class 46.
Wagner Electric Corporation, St. Louis, Mo. Metal repair and replacement parts for vehicle braking apparatus. Serial No. 411,143; Dec. 13. Class 19.
Walker Brothers, Conshohocken, Pa. Conduits, ducts, boxes, etc. Serial No. 410,444; Dec. 13. Class 21.
Warham Co., The, Oakland, Calif. Bubble cannons. Serial No. 411,977; Dec. 13. Class 22.
Wathen, John A., Distillery Company, Louisville and Lebanon, Ky. Bourbon whiskey. Serial No. 410,347; Dec. 13. Class 49.
Wellesley Holdings Limited, London, England. Guano fertilizer. Serial No. 408,867; Dec. 13. Class 10.
Wellesley Holdings Ltd., London, England. Apparatus and machines for manufacture of fertilizers and foodstuffs for animals, especially digesters, hoppers, etc. Serial No. 408,868; Dec. 13. Class 23.
Wellesley Holdings Limited, London, England. Fertilizer. Serial No. 408,869; Dec. 13. Class 10.
Western Jewelry Company. (See Mulkey, John H.)
Western Pine Association, Portland, Oreg. Lumber, millwork, and lath. Serial Nos. 410,524–5; Dec. 13. Class 12.
Wetmore, Ralph M., Sebastopol, Calif. Dried fruits. Serial No. 411,391; Dec. 13. Class 46.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Worcester Salt Company, New York, N. Y. Salt. Serial No. 410,806; Dec. 13. Class 46.

World's Products Company. (See Laymon, H. B.)

Worthington, Geo., Company, The, Cleveland, Ohio. Metal faucets, valves, valve washers, etc. Serial No. 391,833; Dec. 13. Class 13.

Worthington, Geo., Company, The, Cleveland, Ohio. Water glasses, glass fruit jars, jelly glasses, etc. Serial No. 391,838; Dec. 13. Class 33.

Worthington, Geo., Company, The, Cleveland, Ohio. Gas and coal furnaces, cooking ranges, and stove pipe. Serial No. 391,839; Dec. 13. Class 34.

Zee-Kook Tenderizer Co. (See Frendo, John V.)

LIST OF REGISTRANTS OF TRADE-MARKS

Acme White Lead and Color Works, Detroit, Mich. Color mixing and measuring machine. 363,139; Dec. 13; Serial No. 408,145; published Oct. 4, 1938. Class 26.

Adams, Lloyd, South Brownsville, Pa., to L. Rosier, Morgantown, W. Va., successor. Remedy for galls, sores, and cuts in animals. 122,121; renewed July 2, 1938.

Adorno Manufacturing Co., Seattle, Wash. Hair tonic. 363,155; Dec. 13; Serial No. 408,335; published Sept. 20, 1938. Class 6.

Aerofuser Company, Inc., The. (See Collicutt, Earl H., assignor.)

Alexander, Bertha, also known as Madame Alexander, doing business as Alexander Doll Company, New York, N. Y. Dolls. 363,240; Oct. 13. Class 22.

Allied Mills, Inc., Chicago, Ill. Livestock feeds. 363,122; Dec. 13; Serial No. 407,652; published Oct. 4, 1938. Class 46.

American Encaustic Tiling Co. Ltd., Zanesville, Ohio, Maurer, N. J., and New York, N. Y., assignor to American Encaustic Tiling Company, Inc., Perth Amboy, N. J., and New York, N. Y. Faience clay tiles. 123,011; renewed Oct. 8, 1938.

American Safety Razor Corporation, Brooklyn, N. Y. Safety razors and safety razor blades. 363,081; Dec. 13; Serial No. 404,243; published Oct. 4, 1938. Class 23.

Anderson Company, The, Gary, Ind. Road or fog lamps. 363,074; Dec. 13; Serial No. 402,459; published Oct. 4, 1938. Class 21.

Anthony, Earle C., Inc., to Earle C. Anthony, Inc., Los Angeles, Calif., successor. Lubricating-oil. 123,533; renewed Nov. 19, 1938.

Archer's Hair Grower, doing business as H. C. Laboratory, Borger, Tex. Hair grower. 363,037; Dec. 13; Serial No. 380,493; published Sept. 27, 1938. Class 6.

Armstrong, Charles W., Malone, N. Y. Food sauce. 363,129; Dec. 13; Serial No. 407,933; published Oct. 4, 1938. Class 46.

Associated American Artists, Inc., New York, N. Y. Pictures, prints, paintings, etchings, and drawings. 363,182; Dec. 13; Serial No. 408,744; published Sept. 27, 1938. Class 38.

Associated Distributors, Inc., Chicago, Ill. Antiperspirant and deodorant. 363,089; Dec. 13; Serial No. 405,585; published June 14, 1938. Class 6.

Babson Bros. (See Pine Tree Milking Machine Company, assignor.)

Barclay & Co., Wilmington, Del., and New York, N. Y., assignor to Lanman & Kemp-Barclay & Co. Incorporated, New York, N. Y. Dentifrice. 125,187; renewed Apr. 22, 1939.

Barker Bros., Incorporated, Los Angeles, Calif. Furniture. 363,053; Dec. 13; Serial No. 398,033; published Jan. 18, 1938. Class 32.

Bartlett, George M., doing business as Kevo Co., Azusa, Calif. Concentrated dehydrated food product. 363,042; Dec. 13; Serial No. 393,108; published Aug. 3, 1937. Class 46.

Battle Creek Dietetic Supply Co., Battle Creek, Mich. Cellulose product to be taken internally. 363,195; Dec. 13; Serial No. 409,026; published Sept. 20, 1938. Class 6.

Beck, Karl, Treuchtlingen, Germany. Moth repelling and destroying preparations. 363,136; Dec. 13; Serial No. 408,089; published Sept. 27, 1938. Class 6.

Becker, John A., doing business as Gumputtle Mfg. Co., Chicago, Ill. Plastic sealing compound. 363,249; Dec. 13. Class 12.

Becker, John A., doing business as Gumputtle Laboratories, Chicago, Ill. Plastic sealing compound. 363,250; Dec. 13. Class 12.

Better Buy Wholesale Grocers, Fresno, Calif. Beer. 363,239; Dec. 13. Class 48.

Beugel, Albert Harvey, Ill. Pill for pulmonary tuberculosis. 125,020; renewed Apr. 8, 1939.

Binney & Smith Co., New York, N. Y. Chemical compounds used in softening rubber, etc. 363,226; Dec. 13; Serial No. 409,677; published Sept. 27, 1938. Class 6.

Bissell Carpet Sweeper Co., Grand Rapids, Mich. Carpet sweeper. 363,157; Dec. 13; Serial No. 408,371; published Oct. 4, 1938. Class 23.

Borden Company, The, New York, N. Y. Milk sugar. 363,140; Dec. 13; Serial No. 408,152; published Sept. 27, 1938. Class 6.

Bosco Company, New York, N. Y. Chocolate syrups. 363,162; Dec. 13; Serial No. 408,449; published Oct. 4, 1938. Class 46.

Bowyer, Ambrose, Chicago, Ill. Magazine section. 363,135; Dec. 13; Serial No. 408,041; published Sept. 27, 1938. Class 38.

Braxton Motor Company, Sutton, W. Va. Automobile storage batteries. 363,113; Dec. 13; Serial No. 407,175; published Oct. 4, 1938. Class 21.

Bright Biscuit Company, Inc., Kansas City, Kans. Crackers. 363,128; Dec. 13; Serial No. 407,848; published Oct. 4, 1938. Class 46.

Bronnley, H., & Co. Limited, London, England. Hand lotions. 363,154; Dec. 13; Serial No. 408,306; published Sept. 20, 1938. Class 6.

Brown, James, Mount Vernon, Ohio. Soap product. 363,109; Dec. 13; Serial No. 407,004; published Oct. 4, 1938. Class 4.

Buchan, Lucille, doing business as The Nawa Company, Washington, D. C. Shampooing liquid. 363,100; Dec. 13; Serial No. 406,417; published Sept. 27, 1938. Class 6.

Cabot, Samuel, Incorporated, Boston, Mass. Fireproof paints. 124,370; renewed Feb. 11, 1939.

Carlyle. (See Charm Products Inc.)

Carry Ice Cream Company, Washington, D. C. Ice cream. 363,230; Dec. 13. Class 46.

Central Paper Co., Inc., Muskegon, Mich. Wrapping paper. 363,146–8; Dec. 13; Serial Nos. 408,264–6; published Oct. 4, 1938. Class 37.

Challenge Company, Batavia, Ill. Cutlery, machinery, and tools and parts thereof. 123,556; renewed Nov. 19, 1938.

Charm Products Inc., also doing business as Carlyle, Los Angeles, Calif. After shave lotion, hair dress (oil), and hair tonic. 363,185; Dec. 13; Serial No. 408,783; published Sept. 20, 1938. Class 6.

Chatfield, Charles B., Woodbury, Conn. Crayons. 363,208; Dec. 13; Serial No. 409,233; published Oct. 4, 1938. Class 37.

Chavis, Philip, doing business as Liberty Sales Co., New York, N. Y. Cream and paste preparation. 363,210; Dec. 13; Serial No. 409,297; published Oct. 4, 1938. Class 6.

Chilton Company, Philadelphia, Pa. Publication. 363,098; Dec. 13; Serial No. 406,177; published Sept. 27, 1938. Class 38.

Church, L. O., Corporation, Peoria, Ill. Antifreeze solution. 363,163; Dec. 13; Serial No. 408,454; published Sept. 20, 1938. Class 6.

Clark Thread Company, The, Newark, N. J. Thread. 125,031; renewed Apr. 8, 1939.

Cole Chemical Company, Wilmington, Del., and St. Louis, Mo. Pharmaceutical preparation. 363,149; Dec. 13; Serial No. 408,268; published Sept. 20, 1938. Class 6.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Shampoo preparations, face creams, brilliantines, etc. 363,217; Dec. 13; Serial No. 409,384; published Oct. 4, 1938. Class 6.

Collectaguide Co., The, New York, N. Y. Looseleaf book covers. 363,204; Dec. 13; Serial No. 409,188; published Oct. 4, 1938. Class 37.

Collectaguide Co., The, New York, N. Y. Looseleaf book covers. 363,205; Dec. 13; Serial No. 409,190; published Oct. 4, 1938. Class 37.

Collicutt, Earl H., assignor to The Aerofuser Company, Inc., New York, N. Y. Air mixer for ventilating systems. 363,150; Dec. 13; Serial No. 408,269; published Oct. 4, 1938. Class 34.

Colonial Woolen Mills Co., The, Cleveland, Ohio. Woven woolen goods. 124,443; renewed Feb. 18, 1939.

Columbian Enameling & Stamping Co., Inc., Terre Haute, Ind. Enameled ware. 363,056; Dec. 13; Serial No. 399,746; published Oct. 4, 1938. Class 13.

Combo Corporation, Rochester, N. Y. Combined automatic gas water heaters and incinerators. 363,191; Dec. 13; Serial No. 408,914; published Oct. 4, 1938. Class 34.

Conn, C. G., Ltd., Elkhart, Ind. Accordions. 363,054; Dec. 13; Serial No. 398,558; published Oct. 4, 1938. Class 36.

Continental Distilling Corporation. (See Kelly, Henry, & Sons, Incorporated, assignor.)

Crane, I. S., Inc., doing business as The Lit Company, Chicago, Ill. Cold water paints, paint enamels, varnishes, etc. 363,064; Dec. 13; Serial No. 401,988; published Oct. 4, 1938. Class 16.

Crookes Laboratories, Inc., New York, N. Y. Aqueous iodine compound. 363,221; Dec. 13; Serial No. 409,457; published Sept. 20, 1938. Class 6.

Crookes Laboratories, Inc., New York, N. Y. Ointment. 363,222; Dec. 13; Serial No. 409,458; published Sept. 20, 1938. Class 6.

Crown Luggage Co. (See Neumann, Jacob.)

Cutter Laboratories, Berkeley, Calif. Antigen. 363,041; Dec. 13; Serial No. 390,632; published Dec. 14, 1937. Class 6.

Dare, Mary, Inc., New York, N. Y. Nail tint and white, nicotine remover, etc. 363,043; Dec. 13; Serial No. 393,368; published Sept. 20, 1938. Class 6.

Davart Incorporated, New York, N. Y. Desk lamps, table lamps, boudoir lamps, etc. 363,145; Dec. 13; Serial No. 408,235; published Oct. 4, 1938. Class 21.

Dayton Laboratories, Incorporated, The, Dayton, Ohio. Pharmaceutical preparations, lubricating jellies, etc. 363,061; Dec. 13; Serial No. 401,179; published Sept. 20, 1938. Class 6.

Dick, Helen B., Huntington, Ind. Healing liquid or cream. 363,096; Dec. 13; Serial No. 406,050; published Oct. 4, 1938. Class 6.

Dixie Wax Paper Company, Dallas, Tex. Specially processed adhesive sheet of waxed paper. 363,244; Dec. 13. Class 37.

Dixie Preserves, Ltd., Los Angeles, Calif. Jams, jellies, fruit preserves, etc. 363,245; Dec. 13. Class 46.

Dolge, C. B., Company, The, Westport, Conn. Preparation for cleaning and cleaning stopped-up drain and sewer pipes. 363,198; Dec. 13; Serial No. 409,088; published Sept. 27, 1938. Class 6.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Chemical compound. 363,228; Dec. 13; Serial No. 409,764; published Oct. 4, 1938. Class 6.

Eastman Kodak Company, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic developer. 123,702; renewed Dec. 3, 1938.

Elb Products, Inc., New York, N. Y. Plaited sheet material of paper, metal foil, or other materials for decorative, etc. uses. 363,106; Dec. 13; Serial No. 406,858; published Oct. 4, 1938. Class 37.

Elliott, B. K., Company, Pittsburgh, Pa. Artists' brushes. 363,174; Dec. 13; Serial No. 408,600; published Oct. 4, 1938. Class 29.

Emerol Manufacturing Co., Inc., New York, N. Y. Solvent for gums and sludge. 363,189; Dec. 13; Serial No. 408,835; published Sept. 27, 1938. Class 6.

Enterprise Manufacturing Company of Pennsylvania, The, Philadelphia, Pa. Coffee mills. 363,242; Dec. 13. Class 23.

Epstein-Nevas Co., The, also doing business as Flagmaid Products Company, Stamford, Conn. Canned fruits and vegetables, canned fish, etc. 363,173; Dec. 13; Serial No. 408,567; published Oct. 4, 1938. Class 46.

Equipment Digest Publishing Company, Cleveland, Ohio. Periodical publication. 363,133; Dec. 13; Serial No. 408,013; published Sept. 27, 1938. Class 38.

Erhamint Company, St. Paul, Minn. Preparation for the treatment of asthma and bronchial ailments. 363,114; Dec. 13; Serial No. 407,182; published Sept. 20, 1938. Class 6.

Evans, Sidney J., doing business as Evans Manufacturing Company, Cleveland, Ohio. Moth exterminating and deodorizing material. 363,122; Dec. 13; Serial No. 407,628; published Sept. 27, 1938. Class 6.

Federal Bearings Co. Inc., The, Fairview, Poughkeepsie, to The Federal Bearings Co., Inc., Poughkeepsie, N. Y. Antifriction-bearings. 123,219; renewed Oct. 22, 1938.

Fibreboard Products Inc., San Francisco, Calif. Fiberboard cartons. 363,104; Dec. 13; Serial No. 406,803; published Sept. 27, 1938. Class 2.

Fiorito, Theodore S., Newark, N. J. Sheet music. 363,059; Dec. 13; Serial No. 400,705; published Oct. 4, 1938. Class 38.

Flagmaid Products Company. (See Epstein-Nevas Co., The.)

Fulton Bag & Cotton Mills, Atlanta, Ga. Collapsible truck tops. 363,077; Dec. 13; Serial No. 403,943; published Oct. 4, 1938. Class 19.

Garden State Tanning Co., New York, N. Y. Raw hides. 363,151; Dec. 13; Serial No. 408,273; published Oct. 4, 1938. Class 1.

Gast, William H. (See Ozone Spring Water & Beverage Co. Inc.)

Gatterdam, Eugene A., Phoenix, Ariz. Oral pollen antigen. 363,050; Dec. 13; Serial No. 397,114; published Oct. 4, 1938. Class 6.

Gehlert, R. S., & Co., Detroit, Mich. Coffee percolators. 363,158; Dec. 13; Serial No. 408,381; published Oct. 4, 1938. Class 13.

General Beautilities. (See Tiernan, Mary.)

General Chemical Company, New York, N. Y. Fungicides. 363,175; Dec. 13; Serial No. 408,638; published Sept. 27, 1938. Class 6.

General Chemical Company, New York, N. Y. Reducing agent for use in textile and other industries. 363,214; Dec. 13; Serial No. 409,354; published Sept. 20, 1938. Class 6.

General Mills, Inc., Minneapolis, Minn. Newspaper articles. 363,090–1; Dec. 13; Serial Nos. 405,637–8; published Sept. 27, 1938. Class 38.

Gibson Art Company, The, Cincinnati, Ohio. Greeting cards. 363,046; Dec. 13; Serial No. 395,036; published Sept. 27, 1938. Class 37.

Gibson, Guy T., Inc., New York, N. Y. Perfumes, colognes, toilet water, etc. 363,085; Dec. 13; Serial No. 405,205; published May 24, 1938. Class 6.

Gleason Works, The, Rochester, N. Y. Gear cutting tools and blades therefor. 363,196; Dec. 13; Serial No. 409,031; published Oct. 4, 1938. Class 23.

Glov-Kote Co. (See Spinelli, Raymond S.)

Goldsmith Bros., New York, N. Y. Paper for loose leaf binders. 363,164; Dec. 13; Serial No. 408,462; published Oct. 4, 1938. Class 37.

Greco, Salvatore S., Hawthorne, Calif. Facial preparation. 363,119; Dec. 13; Serial No. 407,479; published Oct. 4, 1938. Class 6.

Grierson, Oldham & Company Limited, London, England. Wines. 363,107; Dec. 13; Serial No. 406,863; published Oct. 4, 1938. Class 47.

Gross-Sydney Inc., New York, N. Y. Silk, acetates, woolen, etc. piece goods. 363,080; Dec. 13; Serial No. 404,217; published Oct. 4, 1938. Class 42.

Gross-Sydney Inc., New York, N. Y. Silk, acetates, woolen, etc., piece goods. 363,099; Dec. 13; Serial No. 406,289; published Oct. 4, 1938. Class 42.

Gumputtie Mfg. Co. (See Becker, John A.)

H. C. Laboratory. (See Archer's Hair Grower.)

H Mfg. & Sales Co., Inc., Amarillo, Tex. Boot and shoe stretching devices and adjusters. 363,171; Dec. 13; Serial No. 408,540; published Oct. 4, 1938. Class 23.

Halaby, Samuel A., Rochester, N. Y. Insecticides. 363,227; Dec. 13; Serial No. 409,734; published Oct. 4, 1938. Class 6.

Halloran Company, The, Memphis, Tenn. Gas hot water boilers. 363,251; Dec. 13. Class 34.

Harris, A. W., Oil Co., Providence, to A. W. Harris Oil Company, Phillipsdale, R. I. Lubricating-oils. 123,595; renewed Nov. 19, 1938.

Harton, J. E., doing business as J. E. Harton Co., San Francisco, Calif. Twine dispensers. 363,179; Dec. 13; Serial No. 408,709; published Sept. 27, 1938. Class 2.

Haskell, Charles C., & Co., Inc., Richmond, Va. Pharmaceutical preparation. 363,165; Dec. 13; Serial No. 408,463; published Sept. 20, 1938. Class 6.

Hearst Magazines, Inc., New York, N. Y. Magazine department published yearly. 363,120; Dec. 13; Serial No. 407,543; published Aug. 9, 1938. Class 38.

Hercules Powder Company, Wilmington, Del. Waxes and fats for textile finishing. 363,180; Dec. 13; Serial No. 408,711; published Sept. 20, 1938. Class 6.

Hercules Powder Company, Wilmington, Del. Resin. 363,211–12; Dec. 13; Serial Nos. 409,312–13; published Oct. 4, 1938. Class 1.

Herzog, Arthur L., El Centro, Calif. Beverages. 363,241; Dec. 13. Class 45.

Higgins Industries, Inc., New Orleans, La. Shallow draft power boats. 363,236; Dec. 13. Class 19.

High Duty Alloys Limited, Slough, England. Unwrought and partly wrought metals, and stampings, forgings, etc. 363,052; Dec. 13; Serial No. 397,617; published Nov. 16, 1937. Class 14.

Hillsboro-Queen Anne Cooperative Corp., Baltimore, Md. Canned vegetables. 363,108; Dec. 13; Serial No. 406,973; published Oct. 4, 1938. Class 46.

Holophane Company, Inc., New York, N. Y. Globes and reflectors. 363,047; Dec. 13; Serial No. 395,527; published Oct. 4, 1938. Class 34.

House of Pine, Inc., The, New York, N. Y. Preparation for bath. 363,115; Dec. 13; Serial No. 407,267; published Sept. 20, 1938. Class 6.

Howland, Ethel M., doing business as Karma Beauty Shop, Margaretville, N. Y. Hair tonic and scalp cleaner. 363,225; Dec. 13; Serial No. 409,523; published Oct. 4, 1938. Class 6.

Hunt, Albert T., Los Angeles, Calif. Instrument applicable to and for drawing up the head to relieve pressure on the cervical spine. 363,252; Dec. 13. Class 44.

Hunter, C. Roy, doing business as Royal Date Gardens, Indio, Calif. Date confections. 363,087; Dec. 13; Serial No. 405,300; published Oct. 4, 1938. Class 46.

Hunter Packing Company, East St. Louis, Ill. Dog food. 363,069; Dec. 13; Serial No. 402,186; published Oct. 4, 1938. Class 46.

Hyman, L., & Sons, New York, N. Y. Paper rolls for adding machines. 363,248; Dec. 13. Class 37.

I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Artificial resins. 363,166; Dec. 13; Serial No. 408,464; published Oct. 4, 1938. Class 1.

Italian Swiss Colony, San Francisco, Calif. Wines. 363,044; Dec. 13; Serial No. 394,606; published Sept. 21, 1937. Class 47.

Italian Swiss Colony, San Francisco, Calif. Wines. 363,045; Dec. 13; Serial No. 394,609; published Sept. 21, 1937. Class 47.

Karma Beauty Shop. (See Howland, Ethel M.)

Kellogg Company, Battle Creek, Mich. Live stock, poultry and rabbit feed, and food for foxes, and other carnivorous animals. 363,051; Dec. 13; Serial No. 397,538; published Oct. 4, 1938. Class 46.

Kelly, Henry, & Sons, Incorporated, New York, N. Y., assignor to Continental Distilling Corporation, Philadelphia, Pa. Whiskey, gin, rum, etc. 363,034; Dec. 13; Serial No. 373,924; published Mar. 10, 1936. Class 49.

Kevo Co. (See Bartlett, George M.)
Kimball, Willis G. C., doing business as The Kimball Arms Company, Woburn, Mass. Shotguns. 363,092; Dec. 13; Serial No. 405,728; published Sept. 27, 1938. Class 9.
King Features Syndicate, Inc., New York, N. Y. Cartoon and comic strip. 363,172; Dec. 13; Serial No. 408,542; published Sept. 27, 1938. Class 38.
Klein, Samuel, Newark, N. J. Aspirin. 363,101; Dec. 13; Serial No. 406,515; published Sept. 20, 1938. Class 6.
Koh-I-Noor Bleistiftfabrik L. & C. Hardtmuth, Budweis, Czechoslovakia. Pencils. 363,159; Dec. 13; Serial No. 408,387; published Oct. 4, 1938. Class 37.
Kremer, George, Sr. (See Tiernan, Mary, assignor.)
Kueffer, Ernest H., Oakland, Calif. Directional electric light signalling systems for vehicles and parts of the same. 363,057; Dec. 13; Serial No. 400,016; published Mar. 1, 1938. Class 21.
Lambert, Irvin, New York, N. Y. Concentrated sea vegetable food. 363,075; Dec. 13; Serial No. 402,779; published Oct. 4, 1938. Class 46.
Langley, Edward P., doing business as Len-Ola Laboratories, New York, N. Y. Botanical preparation. 363,118; Dec. 13; Serial No. 407,437; published Sept. 20, 1938. Class 6.
Lanman & Kemp-Barclay & Co. Incorporated. (See Barclay & Co., assignor.)
Lawrence, Sam S., doing business as Lawrence Laboratories, Huntington, W. Va. Cough syrup. 363,206; Dec. 13; Serial No. 409,202; published Oct. 4, 1938. Class 6.
Len-Ola Laboratories. (See Langley, Edward P.)
Lever Brothers Company, Cambridge, Mass. Vegetable shortening. 363,197; Dec. 13; Serial No. 409,043; published Oct. 4, 1938. Class 46.
Levinsohn Bros. & Co., Inc., New York, N. Y. Piece goods. 363,213; Dec. 13; Serial No. 409,320; published Oct. 4, 1938. Class 42.
Liberty Mills. (See Royal Flour Company.)
Liberty Sales Co. (See Chavis, Philip.)
Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation for prevention of hay fever. 363,181; Dec. 13; Serial No. 408,722; published Sept. 27, 1938. Class 6.
Lion Manufacturing Corporation, Chicago, Ill. Vent seals for storage tanks. 363,137; Dec. 13; Serial No. 408,115; published Oct. 4, 1938. Class 13.
Liquocold Corporation, Los Angeles, Calif. Liquid cold preparation. 363,116; Dec. 13; Serial No. 407,379; published Sept. 27, 1938. Class 6.
Lit Company, The. (See Crane, I. S., Inc.)
Locke, Horatio, doing business as Locke Laboratories, Monticello, Ill. Effervescent salt. 363,126; Dec. 13; Serial No. 407,758; published Sept. 20, 1938. Class 6.
Lum, Ko Wah, San Francisco, Calif. Cigarettes. 363,218; Dec. 13; Serial No. 409,406; published Oct. 4, 1938. Class 17.
Macy, R. H., & Co., Inc., New York, N. Y. Ice cream mixes, canned fruits and vegetables, macaroons, etc. 363,084; Dec. 13; Serial No. 405,170; published Oct. 4, 1938. Class 46.
Madame Alexander. (See Alexander, Bertha.)
Malmed, A. T., & Co., to A. T. Malmed, doing business as A. T. Malmed & Company, Philadelphia, Pa., successor. Construction materials. 122,723; renewed Sept. 10, 1938.
Maltine Company, The, New York, N. Y. Medicinal compounds. 363,161; Dec. 13; Serial No. 408,430; published Sept. 20, 1938. Class 6.
Manhattan Novelty Company, New York, N. Y. Watches. 363,237; Dec. 13. Class 27.
Marquette Manufacturing Co. Inc., Minneapolis, Minn. Welding rods. 363,234; Dec. 13. Class 14.
Mason, An & Magenheimer Confectionery Manufacturing Co., Brooklyn, to Mason, An & Magenheimer Confectionery Manufacturing Company, New York, N. Y. Chocolates. 124,257; renewed Jan. 28, 1939.
Mastin Products, Inc., New York, N. Y. Device impregnated with lotion to be applied to the eyes. 363,215; Dec. 13; Serial No. 409,365; published Oct. 4, 1938. Class 6.
Mathieson Alkali Works (Inc.), The, New York, N. Y. Sodium chlorite. 363,186; Dec. 13; Serial No. 408,806; published Sept. 27, 1938. Class 6.
McAboy, Mary A., Denver, Colo. Dolls. 125,072; renewed Apr. 8, 1939.
McGraw Electric Company, Chicago, Ill., and St. Louis, Mo. Fuses and circuit makers and breakers. 363,048; Dec. 13; Serial No. 395,743; published Oct. 4, 1938. Class 21.
McEachern, Duncan A., West Chester, Pa. Portable insecticide spraying machines. 363,040; Dec. 13; Serial No. 388,707; published Oct. 26, 1937. Class 23.
McNeil Drug Co., Inc., Jacksonville, Fla. Blood-purifier and relief for rheumatism. 124,746; renewed Mar. 11, 1939.
Meincke, A. M., & Son, Inc., Chicago, Ill. Powdered material for use in coating, filling, or treating printing paper. 363,035; Dec. 13; Serial No. 375,769; published June 28, 1938. Class 6.
Memrilane Studios, New York, N. Y. Photograph albums and mounts, and film and coin carriers. 363,102; Dec. 13; Serial No. 406,689; published Oct. 4, 1938. Class 37.
Modern Diet Products, Inc. (See Modern Health Products, Inc.)
Modern Health Products, Inc., Milwaukee, Wis., now by change of name Modern Diet Products, Inc. Vegetable preparation comprising dehydrated vegetables rich in potassium. 363,033; Dec. 13; Serial No. 366,290; published Oct. 4, 1938. Class 46.
Morrell, John, & Co., Ottumwa, Iowa. Eczema salve, worm tablets, germicides, etc. 363,223; Dec. 13; Serial No. 409,483; published Sept. 27, 1938. Class 6.
Morton Pottery Co., The, Morton, Ill. Pottery ware. 363,112; Dec. 13; Serial No. 407,154; published Oct. 4, 1938. Class 30.
Moss, Charles H., assignor to The Pogm Company, Malden, Mass. Marmalade. 125,243; renewed Apr. 22, 1939.
Myers, Ruth A., New York, N. Y. Facial powder. 363,088; Dec. 13; Serial No. 405,333; published Oct. 4, 1938. Class 6.
National Aniline & Chemical Company, Inc., New York, N. Y. Wetting out, softening, and emulsifying agents and dye assistants. 363,183; Dec. 13; Serial No. 408,758; published Sept. 27, 1938. Class 6.
National Biscuit Company, New York, N. Y. Whole wheat cereal. 363,117; Dec. 13; Serial No. 407,383; published Oct. 4, 1938. Class 46.
National Candy Company, St. Louis, Mo. Candies. 125,160; renewed Apr. 15, 1939.
National Oil Products Company, Harrison, N. J. Plasticizing compound and defoamer. 363,094; Dec. 13; Serial No. 405,817; published Sept. 20, 1938. Class 6.
National Package Drugs, Inc., St. Louis, Mo. Mineral oil, rubbing alcohol compound, cod liver oil, etc. 363,082; Dec. 13; Serial No. 404,259; published Oct. 4, 1938. Class 6.
Nawa Company, The. (See Buchan, Lucille.)
Nebraska Seed Co., The, Omaha, Nebr. Seeds. 124,131; renewed Jan. 14, 1939.
Needlecraft Publishing Co. (See Priscilla Publishing Company, The.)
Neumann, Jacob, doing business as Crown Luggage Co., Baltimore, Md. Trunks and traveling bags and cases. 363,124; Dec. 13; Serial No. 407,680; published Oct. 4, 1938. Class 3.
North American Fibre Products Company, The, Cleveland, Ohio. Liquid compound for rust, scale, etc. 363,078; Dec. 13; Serial No. 404,011; published Sept. 27, 1938. Class 6.
Northwest Lead Company, Seattle, Wash. Lead products. 363,073; Dec. 13; Serial No. 402,437; published Sept. 27, 1938. Class 14.
Odorono Company, Inc., The, New York, N. Y. Deodorants and preparations for preventing excessive perspiration; also depilatory. 363,156; Dec. 13; Serial No. 408,352; published Sept. 27, 1938. Class 6.
Osborne, Grace, Pittsburgh, Pa. Bread. 363,176; Dec. 13; Serial No. 408,656; published Oct. 4, 1938. Class 46.
Oshan, Stanley H., New York, N. Y. Folded business card. 363,188; Dec. 13; Serial No. 408,821; published Oct. 4, 1938. Class 38.
Oshan, Stanley H., New York, N. Y. Folded business card. 363,188; Dec. 13; Serial No. 408,821; published Oct. 4, 1938. Class 38.
Ostrander, W. R., & Co., New York, to W. R. Ostrander Electric Works, Inc., Brooklyn, N. Y., successor. Electrical goods. 123,153; renewed Oct. 15, 1938.
Ozone Spring Water & Beverage Co. Inc., New Orleans, La., to William H. Gast, Park Ridge, Ill., successor. Soft drinks and syrups therefor. 122,609; renewed Aug. 27, 1938.
Palmetto Ice Cream Company, Florence, S. C., to Southern Dairies, Inc., Washington, D. C., successor. Ice-cream. 124,037; renewed Dec. 31, 1938.
Pan-Tone Drug Company, Jacksonville, Fla. General tonic and mild laxative. 363,219; Dec. 13; Serial No. 409,413; published Sept. 20, 1938. Class 6.
Parke, Davis & Company, Detroit, Mich. Anterior pituitary-like sex hormone. 363,130; Dec. 13; Serial No. 407,960; published Sept. 27, 1938. Class 6.
Parke, Davis & Company, Detroit, Mich. Pharmaceutical preparation. 363,200; Dec. 13; Serial No. 409,136; published Oct. 4, 1938. Class 6.
Parke, Davis & Company, Detroit, Mich. Pharmaceutical preparations. 363,201; Dec. 13; Serial No. 409,137; published Oct. 4, 1938. Class 6.
Parke, Davis & Company, Detroit, Mich. Synthetic chemical compound. 363,202; Dec. 13; Serial No. 409,138; published Sept. 20, 1938. Class 6.
Pels, Henry & Company, Inc., New York, N. Y. Machines for punching, shearing, notching, etc. 363,071; Dec. 13; Serial No. 402,273; published Oct. 4, 1938. Class 23.
Penick & Ford, Ltd. Incorporated, New York, N. Y. Laundry starch. 363,224; Dec. 13; Serial No. 409,484; published Oct. 4, 1938. Class 6.
Perdiz, Manuel P., doing business as Vitalex Laboratories, Buffalo, N. Y. Reconstructive tonic. 363,049; Dec. 13; Serial No. 396,781; published Nov. 23, 1937. Class 6.
Photo-Mirror Corporation of America, Chicago, Ill. Novelties. 363,235; Dec. 13. Class 32.

Picard, Lucien, Paris, France. Product for use in the treatment of hemorrhage. 363,110; Dec. 13; Serial No. 407,029; published Sept. 20, 1938. Class 6.
Picot Laboratories, Inc., Wilmington, Del. Publication. 363,095; Dec. 13; Serial No. 405,969; published Oct. 4, 1938. Class 38.
Pine Tree Milking Machine Company, assignor, by mesne assignments, to Babson Bros., Chicago, Ill. Milking-machines. 122,816; renewed Sept. 17, 1938.
Pitman-Dreitzer & Co. Inc., New York, N. Y. Table and cooking glassware. 363,207; Dec. 13; Serial No. 409,227; published Oct. 4, 1938. Class 33.
Pogm Company, The. (See Moss, Charles H., assignor.)
Pretorius, Martin W., Burbank, Calif. Laxatives and dentifrices. 363,038; Dec. 13; Serial No. 387,678; published Sept. 20, 1938. Class 6.
Pretorius, Martin W., Burbank, Calif. Prepared health foods. 363,039; Dec. 13; Serial No. 387,679; published Oct. 4, 1938. Class 46.
Priscilla Publishing Co., The, Boston, Mass., to Needlecraft Publishing Company, Augusta, Maine, successor. Measuring and scientific appliances. 124,334; renewed Feb. 4, 1939.
Pro-phy-lac-tic Brush Company, Northampton, Mass. Brush blocks. 363,152; Dec. 13; Serial No. 408,287; published Oct. 4, 1938. Class 29.
Pushee, J. C., & Sons, Inc., Boston, Mass. Painters' brushes. 363,233; Dec. 13. Class 29.
Rackoff, Philip C., doing business as Warnick's Chemical and Pharmaceutical Laboratories, Los Angeles, Calif. Preparation useful in treatment of rheumatic muscular aches, pains, and lumbago. 363,199; Dec. 13; Serial No. 409,107; published Sept. 27, 1938. Class 6.
Raybalt Co., The, Los Angeles, Calif. Astringents and antiseptic solutions for dental purposes. 363,063; Dec. 13; Serial No. 401,508; published Sept. 27, 1938. Class 6.
Reina, S. A., doing business as Salva-Gene Chemical Laboratory, San Francisco, Calif. General tonic. 363,086; Dec. 13; Serial No. 405,223; published Sept. 27, 1938. Class 6.
Rice, William W., Chicago, Ill. Automatic photographing apparatus. 363,177; Dec. 13; Serial No. 408,657; published Oct. 4, 1938. Class 26.
Richfield Oil Corporation, Los Angeles, Calif. Lubricating oils and greases. 363,247; Dec. 13. Class 15.
Richter & Phillips Company, The, Cincinnati, Ohio. Tongs used for holding roasts firmly in place while carving them. 363,105; Dec. 13; Serial No. 406,847; published Oct. 4, 1938. Class 23.
Rider, Daniel H., doing business as Rider Safety Razor Co., New York, N. Y. Razor blades and pocket knives. 363,160; Dec. 13; Serial No. 408,400; published Oct. 4, 1938. Class 23.
Rosier, LeRoy. (See Adams, Lloyd.)
Rothholz, Wm. A., Co., Inc., New York, N. Y. Mothproofed woolen textile fabrics. 363,138; Dec. 13; Serial No. 408,134; published Oct. 4, 1938. Class 42.
Rowland, Mary Scott, Ltd., New York, N. Y. Olive oil soap. 363,141; Dec. 13; Serial No. 408,208; published Oct. 4, 1938. Class 4.
Royal Date Gardens. (See Hunter, C. Roy.)
Royal Flour Company doing business as Liberty Mills, Nashville, Tenn. Wheat flour. 363,093; Dec. 13; Serial No. 405,746; published Oct. 4, 1938. Class 46.
Royal Metal Manufacturing Co., Chicago, Ill. Metal furniture. 363,036; Dec. 13; Serial No. 377,722; published Sept. 20, 1938. Class 32.
Rubenstein, Helena, Inc., New York, N. Y. Toilette water. 363,079; Dec. 13; Serial No. 404,058; published Sept. 27, 1938. Class 6.
Ruralite Engineering Company, Inc., Sioux City, Iowa. Wind-driven electric power supplying apparatus and storage batteries. 363,232; Dec. 13. Class 21.
Salve-Gene Chemical Laboratory. (See Reina, S. A.)
Schleisner Company, Inc., Baltimore, Md. Daily bulletin. 363,193; Dec. 13; Serial No. 408,980; published Sept. 27, 1938. Class 38.
Schlichting, V. H., doing business as The Uni-Kurd Company, Park Ridge, Ill. Cheese making coagulator. 363,111; Dec. 13; Serial No. 407,033; published Sept. 20, 1938. Class 6.
Scio-Ohio Pottery Company, The, Scio, Ohio. Pottery vases or jars. 363,125; Dec. 13; Serial No. 407,704; published Oct. 4, 1938. Class 30.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparations containing or made from digitalis leaves, etc. 363,167; Dec. 13; Serial No. 408,514; published Sept. 20, 1938. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Therapeutic preparations. 363,168–9; Dec. 13; Serial Nos. 408,515–16; published Sept. 20, 1938. Class 6.
Shoe Form Co., Inc., Auburn, N. Y. Hosiery forms. 363,170; Dec. 13; Serial No. 408,517; published Oct. 4, 1938. Class 50.
Sladek, Achilles L. and Marian G. Sladek, St. Paul, Minn. Cosmetic creams and lotions. 363,187; Dec. 13; Serial No. 408,812; published Sept. 27, 1938. Class 6.
Smith, Kenneth, Lenexa, Kans. Golf clubs and parts thereof. 363,243; Dec. 13. Class 22.
Sociedad Anónima Mackinnon & Coelho Ltda. Compañia Yerbatera, Buenos Aires, Argentina. Yerba mate (Paraguayan tea). 363,220; Dec. 13; Serial No. 409,442; published Oct. 4, 1938. Class 46.
Societe Anonyme Laboratoires G. Reaubourg, Boulogne-sur-Seine, France. Medicated charcoal. 363,153; Dec. 13; Serial No. 408,289; published Sept. 20, 1938. Class 6.
Sorg Paper Co., The, Middletown, Ohio. Paper. 363,142; Dec. 13; Serial No. 408,211; published Oct. 4, 1938. Class 37.
Southern Dairies, Inc. (See Palmetto Ice Cream Company.)
Spencer, William W., New York, N. Y. Twines and cable cord. 363,246; Dec. 13. Class 7.
Spinelli, Raymond S., doing business as Glov-Kote Co., Chicago, Ill. Preparation to be applied to the hands. 363,134; Dec. 13; Serial No. 408,032; published Sept. 20, 1938. Class 6.
Standard Chemical Products, Inc., Hoboken, N. J. Chemical preparation. 363,131; Dec. 13; Serial No. 407,993; published Sept. 27, 1938. Class 6.
Standard Chemical Products, Inc., Hoboken, N. J. Chemical preparation. 363,132; Dec. 13; Serial No. 407,994; published Sept. 20, 1938. Class 6.
Stanlane Company. (See Stanton, Gertrude.)
Stanton, Gertrude, doing business as Stanlane Company, Chicago, Ill. Crystalline cleaning preparation. 363,190; Dec. 13; Serial No. 408,905; published Oct. 4, 1938. Class 4.
Sterling Bronze Company, Inc., Long Island City, N. Y. Base metal table ware. 363,083; Dec. 13; Serial No. 404,729; published Sept. 27, 1938. Class 2.
Stern-Brown, Inc., New York, N. Y. Electric toasters, waffle irons, and grills. 363,062; Dec. 13; Serial No. 401,280; published Oct. 4, 1938. Class 21.
Stevens & Thompson Paper Company, New York, N. Y. Paper trays. 363,178; Dec. 13; Serial No. 408,662; published Oct. 4, 1938. Class 2.
Sturtevant, B. F., Company, Boston, Mass. Centrifugal fans. 363,231; Dec. 13. Class 34.
Syracuse Smelting Works, Brooklyn, to Syracuse Smelting Works, New York, N. Y. Babbitt alloy. 125,255; renewed Apr. 22, 1939.
Tebault, Hugh, & Company, Inc., New York, N. Y. Breakfast cereals. 363,097; Dec. 13; Serial No. 406,106; published June 28, 1938. Class 46.
Thuau, Urbain J., Paris, France. Antiseptic, astringent, etc., pharmaceutical preparation. 363,103; Dec. 13; Serial No. 406,738; published Sept. 27, 1938. Class 6.
Tiernan, Mary, doing business as General Beautilities, assignor to G. Kremer, Sr., New York, N. Y. Hair coloring preparation. 363,058; Dec. 13; Serial No. 400,175; published Feb. 1, 1938. Class 6.
Tobin, Richard R., doing business as R. R. Tobin Tobacco Co., Detroit, Mich. Smoking and chewing tobacco. 363,143; Dec. 13; Serial No. 408,220; published Oct. 4, 1938. Class 17.
Traficanti Brothers, Chicago, Ill. Alimentary pastes. 363,055; Dec. 13; Serial No. 399,113; published Oct. 4, 1938. Class 46.
Tricolator Company, Inc., New York, N. Y. Filter paper. 363,203; Dec. 13; Serial No. 409,176; published Oct. 4, 1938. Class 37.
Trictin Laboratories, Mayfield, Ky. Medicinal preparation for athlete's foot and other fungus infections. 363,184; Dec. 13; Serial No. 408,767; published Sept. 27, 1938. Class 6.
Uni-Kurd Company, The. (See Schlichting, V. H.)
Union Steel Products Company, Albion, Mich. Baking ovens. 363,194; Dec. 13; Serial No. 409,015; published Oct. 4, 1938. Class 34.
United Distributors, Inc., Louisville, Ky. General tonic and laxative. 363,216; Dec. 13; Serial No. 409,373; published Sept. 27, 1938. Class 6.
United States Envelope Company, Springfield, Mass. Paper, envelopes, and papeterie packages. 363,127; Dec. 13; Serial No. 407,829; published Oct. 4, 1938. Class 37.
Urvater, Arnold, Paris, France. Medicinal products for prostatic ointments. 363,076; Dec. 13; Serial No. 402,878; published Sept. 20, 1938. Class 6.
Vitalex Laboratories. (See Perdiz, Manuel P.)
Walker Company, The, Middleboro, Mass. Ice bags. 363,238; Dec. 13. Class 44.
Wamsutta Mills, New Bedford, Mass. Cotton piece goods. 124,905–6; renewed Mar. 18, 1939.
Warnick's Chemical and Pharmaceutical Laboratories. (See Rackoff, Philip C.)
Waterloo and Cedar Falls Union Mill Company, The, assignor to Waterloo Mills Company, Waterloo, Iowa. Wheat-flour. 123,672; renewed Nov. 19, 1938.
Waterlow & Sons Limited, London, England. Bonds, share warrants, stamps, etc. 363,121; Dec. 13; Serial No. 407,613; published Oct. 4, 1938. Class 38.
Webster Rubber Company, Sabattus, Maine. General utility implement. 363,209; Dec. 13; Serial No. 409,248; published Oct. 4, 1938. Class 50.
Welch Grape Juice Company, The, Westfield, N. Y. Grape jam. 124,353; renewed Feb. 4, 1939.
Welch Grape Juice Company, The, Westfield, N. Y. Grape-juice. 125,112; renewed Apr. 8, 1939.
White, Eugene B., Chicago, Ill. Steel channels. 363,229; Dec. 13. Class 12.
Wilson, E. L., Jamaica, N. Y. Battery compounds. 363,144; Dec. 13; Serial No. 408,228; published Sept. 20, 1938. Class 6.

Wood Ridge Manufacturing Co., Inc., The, Wood Ridge, N. J. Parasiticide and fungicide. 363,192; Dec. 13; Serial No. 408,979; published Sept. 27, 1938. Class 6.

Wrigley, Wm., Jr. Company, Chicago, Ill. Chewing gum. 363,067; Dec. 13; Serial No. 402,107; published Sept. 27, 1938. Class 46.

Wrigley, Wm., Jr. Company, Chicago, Ill. Chewing gum. 363,068; Dec. 13; Serial No. 402,109; published Sept. 27, 1938. Class 46.

Zenith Radio Corporation, Chicago, Ill. Radio frequency and audio frequency transmitting and receiving apparatus and parts thereof. 363,060; Dec. 13; Serial No. 400,443; published May 10, 1938. Class 21.

Zenith Radio Corporation, Chicago, Ill. Radio frequency and audio frequency transmitting and receiving apparatus and parts thereof. 363,065–6; Dec. 13; Serial Nos. 402,042–3; published May 10, 1938. Class 21.

Zenith Radio Corporation, Chicago, Ill. Radio frequency and audio frequency transmitting and receiving apparatus and parts thereof. 363,070; Dec. 13; Serial No. 402,210; published May 10, 1938. Class 21.

Zenith Radio Corporation, Chicago, Ill. Radio and audio frequency transmitting and receiving apparatus, and parts thereof. 363,072; Dec. 13; Serial No. 402,356; published July 5, 1938. Class 21.

LIST OF REGISTRANTS OF LABELS

Bayuk Cigars Incorporated, Philadelphia, Pa. Little Phillies. For Cigars. 52,202; Dec. 13.

Berger, Nora, doing business as Hi-Grade Drug Co., Chicago, Ill. Article 77. For Cough Syrup. 52,203; Dec. 13.

Breier's, Marcus, Sons, New York, N. Y. The Umbrella Bantamac. For Sport Jackets. 52,204; Dec. 13.

Burgess Battery Company, Freeport, Ill. Flashlight Battery. For Batteries. 52,205; Dec. 13.

Cleveland Provision Company, Cleveland, Ohio. Bacon. For Bacon. 52,206; Dec. 13.

Cleveland Provision Company, Cleveland, Ohio. Skinned Ham. For Skinned Ham. 52,207; Dec. 13.

Defiance Milk Products Company, The, Defiance, Ohio. Jerzee. For Evaporated Milk. 52,208; Dec. 13.

Defiance Milk Products Company, The, Defiance, Ohio. Defiance. For Evaporated Milk. 52,209; Dec. 13.

Defiance Milk Products Company, The, Defiance, Ohio. Beauty. For Evaporated Milk. 52,210; Dec. 13.

Defiance Milk Products Company, The, Defiance, Ohio. Morning Glory. For Evaporated Milk. 52,211; Dec. 13.

Golden Gate Macaroni Company, Inc., San Francisco, Calif. Golden Gate Quick Cook Chicken Flavored Soup-A-Roni. For a Chicken Flavored Prepared Soup to Which Water is Added. 52,212; Dec. 13.

Gressler, C. F., doing business as The Gressler Co., Greenburg, Pa. Gressler's. For a Cleaner for Toilet Bowls and Urinals. 52,213; Dec. 13.

Hi-Grade Drug Co. (See Berger, Nora.)

Hornung, Jacob, Brewing Co., Philadelphia, Pa. Hornung's. For Light Beer. 52,214; Dec. 13.

Hornung, Jacob, Brewing Co., Philadelphia, Pa. Hornung's. Cor Cream Ale. 52,215; Dec. 13.

Hygienic Products Company, The, Canton, Ohio. Sani-Flush. For a Powdered Compound for Cleaning Water-Closet Bowls and Automobile Radiators. 52,216–9; Dec. 13.

Johnson, S. C., & Son, Inc., Racine, Wis. Johnson's Shur-Tred Floor Finish. For a Floor Finish for Wood, Linoleum, Cement, Terrazzo, Rubber and Asphalt-tile. 52,220; Dec. 13.

Kemp, E. F., Inc., Somnerville, Mass. Kemp's Nuts. For Nuts. 52,221; Dec. 13.

Leclerc, J. E., Bridge, Oreg. White Rose Wash Day Wonder. For a Washing and Bleaching Solution. 52,222; Dec. 13.

Maiden Form Brassiere Company, Inc., New York, N. Y. There is a Maiden Form for Every Type of Figure. For Brassières and for Boxes, Packages and/or Containers for Such Goods. 52,223; Dec. 13.

Markwell Manufacturing Co., Inc., New York, N. Y. Markwell Master RF1 Stapler. For Stapling Machines. 52,224; Dec. 13.

Multiple Container Corporation, Los Angeles, Calif. Bostonian Lunch. For Beans and Brown Bread. 52,225; Dec. 13.

Noble Dog Foundation, The. (See Solow, Morris D.)

Oertel Brewing Company, Incorporated, Louisville, Ky. Special Cream Ale. For Ale. 52,226; Dec. 13.

Ostroff, Irving, doing business as Squarex Advertising Company, New York, N. Y. Surfasaver. For One-Coat Flat White Brushing Paint. 52,227; Dec. 13.

Pacific Food Products Co., Inc., San Francisco, Calif. Ocean Pack. For Shrimp. 52,228; Dec. 13.

Riverdale Manufacturing Co. Inc., New York, N. Y. Texturized Drape. For Drapes. 52,229; Dec. 13.

Solow, Morris D., doing business as The Noble Dog Foundation, New York, N. Y. A Noble Dog Dog Food. For Dog Food. 52,230; Dec. 13.

Squarex Advertising Company. (See Ostroff, Irving.)

Weco Products Company, Chicago, Ill. Dr. West's Miracle-Tuft Dental Plate Brush. For Dental Plate Brushes. 52,231; Dec. 13.

LIST OF REGISTRANTS OF PRINTS

Awful Fresh MacFarlane, Oakland, San Francisco, and Berkeley, Calif. Chocolates 29¢ Lb. For Candy. 17,152; Dec. 13.

Awful Fresh MacFarlane, Oakland, San Francisco, and Berkeley, Calif. Fudge 29¢ Lb. For Candy. 17,153; Dec. 13.

Beauty Products, Denver, Colo. New! Exclusive! Glamorous! Noreen Super Color Rinse. For Color Rinses for the Hair. 17,154; Dec. 13.

Campbell, Russell A., doing business as The Miller Laboratories, Gettysburg, Pa. Ruptured! For Trusses. 17,155; Dec. 13.

General Mills, Inc., Minneapolis, Minn. Corn Blown Into Crisp Airy "Bubbles". For Cereal Food. 17,156; Dec. 13.

General Mills, Inc., Minneapolis, Minn. Corn Comes in Exciting Bubbles Now. For Cereal Food. 17,157; Dec. 13.

General Mills, Inc., Minneapolis, Minn. Now, Corn in Tempting "Bubbles" to Give You:—Something New for Breakfast. For Cereal Food. 17,158; Dec. 13.

Hershey Chocolate Corporation, Hershey, Pa. Hershey's Made with Rich Fresh Milk (School Room). For Milk Chocolate Bars. 17,159; Dec. 13.

Miller Laboratories, The. (See Campbell, Russell A.)

Parker Pen Company, The, Janesville, Wis. Parker Announces an 'Early Bird' Gift Sale. For Fountain Pens, Mechanical Pencils, Desk Sets, and Ink. 17,160; Dec. 13.

Schultze, D. A., Inc., New York, N. Y. The Older the Briar the Sweeter the Smoke. For Tobacco Pipes. 17,161; Dec. 13.

Willis, Major David, Sweetwater, Tex. Giant Prints. For Prints. 17,162; Dec. 13.

Zimmerman, Maurice, & Rae Zimmerman, Los Angeles, Calif. Zaros Lucky Birthday Perfumes. For Perfumes. 17,163; Dec. 13.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Hides, Raw. Garden State Tanning Co. 363,151; Dec. 13; Serial No. 408,273; published Oct. 4, 1938.

Resin. Hercules Powder Company. 363,211–12; Dec. 13; Serial Nos. 409,312–13; published Oct. 4, 1938.

Resins, Artificial. I. G. Farbenindustrie Aktiengesellschaft. 363,166; Dec. 13; Serial No. 408,464; published Oct. 4, 1938.

Seeds. Nebraska Seed Co. 124,131; renewed Jan. 14, 1939.

CLASS 2

Cartons, Fiberboard. Fibreboard Products Inc. 363,104; Dec. 13; Serial No. 406,803; published Sept. 27, 1938.

Dispensers, Twine. J. E. Harton. 363,179; Dec. 13; Serial No. 408,709; published Sept. 27, 1938.

Table ware, Base metal. Sterling Bronze Company. 363,083; Dec. 13; Serial No. 404,729; published Sept. 27, 1938.

Trays, Paper. Stevens & Thompson Paper Company. 363,178; Dec. 13; Serial No. 408,662; published Oct. 4, 1938.

CLASS 3

Trunks and traveling bags and cases. J. Neumann. 363,124; Dec. 13; Serial No. 407,680; published Oct. 4, 1938.

CLASS 4

Cleaning preparation, Crystalline. G. Stanton. 363,190; Dec. 13; Serial No. 408,905; published Oct. 4, 1938.

Soap, Olive Oil. Mary Scott Towland, Ltd. 363,141; Dec. 13; Serial No. 408,208; published Oct. 4, 1938.

Soap product. J. Brown. 363,109; Dec. 13; Serial No. 407,004; published Oct. 4, 1938.

CLASS 6

Antifreeze solution. L. O. Church Corporation. 363,163; Dec. 13; Serial No. 408,454; published Sept. 20, 1938.

Antigen. Cutter Laboratories. 363,041; Dec. 13; Serial No. 390,632; published Dec. 14, 1937.

Antiperspirant and deodorant. Associated Distributors, Inc. 363,089; Dec. 13; Serial No. 405,585; published June 14, 1938.

Aspirin. S. Klein. 363,101; Dec. 13; Serial No. 406,515; published Sept. 20, 1938.

Astringents and antiseptic solutions for dental purposes. Raybalt Co. 363,063; Dec. 13; Serial No. 401,508; published Sept. 27, 1938.

Battery compounds. E. L. Wilson. 363,144; Dec. 13; Serial No. 408,228; published Sept. 20, 1938.

Blood-purifier and relief for rheumatism. McNeil Drug Co. 124,746; renewed Mar. 11, 1939.

Botanical preparation. E. P. Langley. 363,118; Dec. 13; Serial No. 407,437; published Sept. 20, 1938.

Cellulose product to be taken internally. Battle Creek Dietetic Supply Co. 363,195; Dec. 13; Serial No. 409,026; published Sept. 20, 1938.

Cheese making coagulator. V. H. Schlichting. 363,111; Dec. 13; Serial No. 407,033; published Sept. 20, 1938.

Chemical compound. E. I. du Pont de Nemours and Company. 363,228; Dec. 13; Serial No. 409,764; published Oct. 4, 1938.

Chemical compound, Synthetic. Parke, Davis & Company. 363,202; Dec. 13; Serial No. 409,138; published Sept. 20, 1938.

Chemical compounds used in softening rubber, etc. Binney & Smith Co. 363,226; Dec. 13; Serial No. 409,677; published Sept. 27, 1938.

Chemical preparation. Standard Chemical Products, Inc. 363,131; Dec. 13; Serial No. 407,993; published Sept. 27, 1938.

Chemical preparation. Standard Chemical Products, Inc. 363,132; Dec. 13; Serial No. 407,994; published Sept. 20, 1938.

Cold preparation, Liquid. Liquocold Corporation. 363,116; Dec. 13; Serial No. 407,379; published Sept. 27, 1938.

Compound for rust, scale, etc., Liquid. North American Fibre Products Company. 363,078; Dec. 13; Serial No. 404,011; published Sept. 27, 1938.

Cough syrup. S. S. Lawrence. 363,206; Dec. 13; Serial No. 409,202; published Oct. 4, 1938.

Cream and paste preparation. P. Chavis. 363,210; Dec. 13; Serial No. 409,297; published Oct. 4, 1938.

Creams and lotions, Cosmetic. Achilles L. Sladek and Marian G. Sladek. 363,187; Dec. 13; Serial No. 408,812; published Sept. 27, 1938.

Dentifrice. Barclay & Co. 125,187; renewed Apr. 22, 1939.

Deodorants and preparations for preventing excessive perspiration; also depilatory. Odorono Company. 363,156; Dec. 13; Serial No. 408,352; published Sept. 27, 1938.

Device impregnated with lotion to be applied to the eyes. Mastin Products, Inc. 363,215; Dec. 13; Serial No. 409,365; published Oct. 4, 1938.

Facial preparation. S. S. Greco. 363,119; Dec. 13; Serial No. 407,479; published Oct. 4, 1938.

Fungicides. General Chemical Company. 363,175; Dec. 13; Serial No. 408,638; published Sept. 27, 1938.

Hair coloring preparation. M. Tiernan. 363,058; Dec. 13; Serial No. 400,175; published Feb. 1, 1938.

Hair grower. Archer's Hair Grower. 363,037; Dec. 13; Serial No. 380,493; published Sept. 27, 1938.

Hair tonic. Adorno Manufacturing Co. 363,155; Dec. 13; Serial No. 408,335; published Sept. 20, 1938.

Hair tonic and scalp cleaner. E. M. Howland. 363,225; Dec. 13; Serial No. 409,523; published Oct. 4, 1938.

Healing liquid or cream. H. B. Dick. 363,096; Dec. 13; Serial No. 406,050; published Oct. 4, 1938.

Hormone, Anterior pituitary-like sex. Parke, Davis & Company. 363,130; Dec. 13; Serial No. 407,960; published Sept. 27, 1938.

Insecticides. S. A. Halaby. 363,227; Dec. 13; Serial No. 409,734; published Oct. 4, 1938.

Iodine compound, Aqueous. Crookes Laboratories, Inc. 363,221; Dec. 13; Serial No. 409,457; published Sept. 20, 1938.

Laxatives and dentrifices. M. W. Pretorius. 363,038; Dec. 13; Serial No. 387,678; published Sept. 20, 1938.

Lotion, hair dress (oil), and hair tonic, After shave. Charm Products Inc. 363,185; Dec. 13; Serial No. 408,783; published Sept. 20, 1938.

Lotions, Hand. H. Bronnley & Co. Limited. 363,154; Dec. 13; Serial No. 408,306; published Sept. 20, 1938.

Material for use in coating, filling, or treating printing paper, Powdered. A. M. Meincke & Son, Inc. 363,035; Dec. 13; Serial No. 375,769; published June 28, 1938.

Medicated charcoal. Societe Anonyme Laboratoires G. Reaubourg. 363,153; Dec. 13; Serial No. 408,289; published Sept. 20, 1938.

Medicinal compounds. Maltine Company. 363,161; Dec. 13; Serial No. 408,430; published Sept. 20, 1938.

Medicinal preparation for prevention of hay fever. Eli Lilly and Company. 363,181; Dec. 13; Serial No. 408,722; published Sept. 27, 1938.

Medicinal preparation for treating athlete's foot and other fungus infections. Trictin Laboratories. 363,184; Dec. 13; Serial No. 408,767; published Sept. 27, 1938.

Medicinal products for prostatic ointments. A. Urvater. 363,076; Dec. 13; Serial No. 402,878; published Sept. 20, 1938.

Milk sugar. Borden Company. 363,140; Dec. 13; Serial No. 408,152; published Sept. 27, 1938.

Mineral oil, rubbing alcohol, cod liver oil, etc. National Package Drugs, Inc. 363,082; Dec. 13; Serial No. 404,259; published Oct. 4, 1938.

Moth exterminating and deodorizing material. S. J. Evans. 363,122; Dec. 13; Serial No. 407,628; published Sept. 27, 1938.

Moth repelling and destroying preparations. K. Beck. 363,136; Dec. 13; Serial No. 408,089; published Sept. 27, 1938.

Nail tint and white, nicotine remover, etc. Mary Dare, Inc. 363,043; Dec. 13; Serial No. 393,368; published Sept. 20, 1938.

Ointment. Crookes Laboratories, Inc. 363,222; Dec. 13; Serial No. 409,458; published Sept. 20, 1938.

Parasiticide and fungicide. Wood Ridge Manufacturing Co. 363,192; Dec. 13; Serial No. 408,979; published Sept. 27, 1938.

Perfumes, colognes, toilet water, etc. Guy T. Gibson, Inc. 363,085; Dec. 13; Serial No. 405,205; published May 24, 1938.

Pharmaceutical preparation. Cole Chemical Company. 363,149; Dec. 13; Serial No. 408,268; published Sept. 20, 1938.

Pharmaceutical preparation. Charles C. Haskell & Co. 363,165; Dec. 13; Serial No. 408,463; published Sept. 20, 1938.

Pharmaceutical preparation. Parke, Davis & Company. 363,200; Dec. 13; Serial No. 409,136; published Oct. 4, 1938.

Pharmaceutical preparation, Astringent, antiseptic, etc. U. J. Thuau. 363,103; Dec. 13; Serial No. 406,738; published Sept. 27, 1938.

Pharmaceutical preparations. Parke, Davis & Company. 363,201; Dec. 13; Serial No. 409,137; published Oct. 4, 1938.

Pharmaceutical preparations, lubricating jellies, etc. Dayton Laboratories, Incorporated. 363,061; Dec. 13; Serial No. 401,179; published Sept. 20, 1938.

Photographic developer. Eastman Kodak Company. 123,702; renewed Dec. 3, 1938.

Pill for pulmonary tuberculosis. A. Beugel. 125,020; renewed Apr. 8, 1939.

Plasticizing compound and defoamer. National Oil Products Company. 363,094; Dec. 13; Serial No. 405,817; published Sept. 20, 1938.

Pollen antigen, Oral. E. A. Gatterdam. 363,050; Dec. 13; Serial No. 397,114; published Oct. 4, 1938.

Powder, Facial. R. A. Myers. 363,088; Dec. 13; Serial No. 405,333; published Oct. 4, 1938.

Preparation for bath. House of Pine, Inc. 363,115; Dec. 13; Serial No. 407,267; published Sept. 20, 1938.

Preparation for cleaning and cleaning stopped-up drain and sewer pipes. C. B. Dolge Company. 363,198; Dec. 13; Serial No. 409,088; published Sept. 27, 1938.

Preparation for the treatment of asthma and bronchial ailments. Erbamint Company. 363,114; Dec. 13; Serial No. 407,182; published Sept. 20, 1938.

Preparation to be applied to the hands. R. S. Spinelli. 363,134; Dec. 13; Serial No. 408,032; published Sept. 20, 1938.

Preparation useful in treatment of rheumatic muscular aches, pains, and lumbago. P. C. Rackoff. 363,199; Dec. 13; Serial No. 409,107; published Sept. 27, 1938.

Preparations containing or made from digitalis leaves, etc. Sharp & Dohme, Incorporated. 363,167; Dec. 13; Serial No. 408,514; published Sept. 20, 1938.

Product for use in the treatment of hemorrhage. L. Picard. 363,110; Dec. 13; Serial No. 407,029; published Sept. 20, 1938.

Reducing agent for use in textile and other industries. General Chemical Company. 363,214; Dec. 13; Serial No. 409,354; published Sept. 20, 1938.

Remedy for galls, sores, and cuts in animals. L. Adams. 122,121; renewed July 2, 1938.

Salt, Effervescent. H. Locke. 363,126; Dec. 13; Serial No. 407,758; published Sept. 20, 1938.

Salve, worm tablets, germicides, etc., Eczema. John Morrell & Co. 363,223; Dec. 13; Serial No. 409,483; published Sept. 27, 1938.

Shampoo preparations, face creams, brilliantines, etc. Colgate-Palmolive-Peet Company. 363,217; Dec. 13; Serial No. 409,384; published Oct. 4, 1938.

Shampooing liquid. L. Buchan. 363,100; Dec. 13; Serial No. 406,417; published Sept. 27, 1938.

Sodium chlorite. Mathieson Alkali Works (Inc.) 363,186; Dec. 13; Serial No. 408,806; published Sept. 27, 1938.

Solvent for gums and sludge. Emerol Manufacturing Co. 363,189; Dec. 13; Serial No. 408,835; published Sept. 27, 1938.

Starch Laundry. Penick & Ford, Ltd. Incorporated. 363,224; Dec. 13; Serial No. 409,484; published Oct. 4, 1938.

Therapeutic preparations. Sharp & Dohme, Incorporated. 363,168–9; Dec. 13; Serial Nos. 408,515–16; published Sept. 20, 1938.

Toilette water. Helena Rubenstein, Inc. 363,079; Dec. 13; Serial No. 404,058; published Sept. 27, 1938.
Tonic and laxative, General. United Distributors, Inc. 363,216; Dec. 13; Serial No. 409,373; published Sept. 27, 1938.
Tonic and mild laxative, General. Pan-Tone Drug Company. 363,219; Dec. 13; Serial No. 409,413; published Sept. 20, 1938.
Tonic, General. S. A. Reina. 363,086; Dec. 13; Serial No. 405,223; published Sept. 27, 1938.
Tonic, Reconstructive. M. P. Perdiz. 363,049; Dec. 13; Serial No. 396,781; published Nov. 23, 1937.
Waxes and fats for textile finishing. Hercules Powder Company. 363,180; Dec. 13; Serial No. 408,711; published Sept. 20, 1938.
Wetting out, softening, and emulsifying agents and dye assistants. National Aniline & Chemical Company. 363,183; Dec. 13; Serial No. 408,758; published Sept. 27, 1938.

CLASS 7

Twines and cable cord. W. W. Spencer. 363,246; Dec. 13.

CLASS 9

Shotguns. W. G. C. Kimball. 363,092; Dec. 13; Serial No. 405,728; published Sep. 27, 1938.

CLASS 12

Channels, Steel. E. B. White. 363,229; Dec. 13.
Construction materials. A. T. Malmed & Co. 122,723; renewed Sept. 10, 1938.
Sealing compound, Plastic. J. A. Becker. 363,249–50; Dec. 13.
Tiles, Faience clay. American Encaustic Tiling Co. Ltd. 123,011; renewed Oct. 8, 1938.

CLASS 13

Percolators, Coffee. R. S. Gehlert & Co. 363,158; Dec. 13; Serial No. 408,381; published Oct. 4, 1938.
Seals for storage tanks, Vent. Lion Manufacturing Corporation. 363,137; Dec. 13; Serial No. 408,115; published Oct. 4, 1938.
Ware, Enameled. Columbian Enameling & Stamping Co. 363,056; Dec. 13; Serial No. 399,746; published Oct. 4, 1938.

CLASS 14

Babbitt alloy. Syracuse Smelting Works. 125,255; renewed Apr. 22, 1939.
Lead products. Northwest Lead Company. 363,073; Dec. 13; Serial No. 402,437; published Sept. 27, 1938.
Metals, and stampings, forgings, etc., Unwrought and partly wrought. High Duty Alloys Limited. 363,052; Dec. 13; Serial No. 397,617; published Nov. 16, 1937.
Welding rods. Marquette Manufacturing Co. Inc. 363,234; Dec. 13.

CLASS 15

Oils and greases, Lubricating. Richfield Oil Corporation. 363,247; Dec. 13.
Oil, Lubricating. Earle C. Anthony, Inc. 123,533; renewed Nov. 19, 1938.
Oils, Lubricating. A. W. Harris Oil Co. 123,595; renewed Nov. 19, 1938.

CLASS 16

Paints, Fireproof. Samuel Cabot, Incorporated. 124,370; renewed Feb. 11, 1939.
Paints, paint enamels, varnishes, etc., Cold water. I. S. Crane, Inc. 363,064; Dec. 13; Serial No. 401,988; published Oct. 4, 1938.

CLASS 17

Cigarettes. Ko Wah Lum. 363,218; Dec. 13; Serial No. 409,406; published Oct. 4, 1938.
Tobacco, Smoking and chewing. R. R. Tobin. 363,143; Dec. 13; Serial No. 408,220; published Oct. 4, 1938.

CLASS 19

Boats, Shallow draft power. Higgins Industries, Inc. 363,236; Dec. 13.
Truck tops, Collapsible. Fulton Bag & Cotton Mills. 363,077; Dec. 13; Serial No. 403,943; published Oct. 4, 1938.

CLASS 21

Batteries, Automobile storage. Braxton Motor Company. 363,113; Dec. 13; Serial No. 407,175; published Oct. 4, 1938.
Electric light signalling systems for vehicles, and parts of the same, Directional. E. H. Kneffer. 363,057; Dec. 13; Serial No. 400,016; published Mar. 1, 1938.
Electrical goods. W. R. Ostrander & Co. 123,153; renewed Oct. 15, 1938.
Fuses and circuit makers and breakers. McGraw Electric Company. 363,048; Dec. 13; Serial No. 395,743; published Oct. 4, 1938.
Lamps, Road or fog. Anderson Company. 363,074; Dec. 13; Serial No. 402,459; published Oct. 4, 1938.
Lamps, table lamps, boudoir lamps, etc., Desk. Davart Incorporated. 363,145; Dec. 13; Serial No. 408,235; published Oct. 4, 1938.
Power supplying apparatus and storage batteries, Wind-driven. Ruralite Engineering Company. 363,232; Dec. 13.
Radio frequency and audio frequency transmitting and receiving apparatus and parts thereof. Zenith Radio Corporation. 363,060; Dec. 13; Serial No. 400,443; published May 10, 1938.
Radio frequency and audio frequency transmitting and receiving apparatus and parts thereof. Zenith Radio Corporation. 363,065–6; Dec. 13; Serial Nos. 402,042–3; published May 10, 1938.
Radio frequency and audio frequency transmitting and receiving apparatus and parts thereof. Zenith Radio Corporation. 363,070; Dec. 13; Serial No. 402,210; published May 10, 1938.
Radio frequency and audio frequency transmitting and receiving apparatus, and parts thereof. Zenith Radio Corporation. 363,072; Dec. 13; Serial No. 402,356; published July 5, 1938.
Toasters, waffle irons, and grills, Electric. Stern-Brown, Inc. 363,062; Dec. 13; Serial No. 401,280; published Oct. 4, 1938.

CLASS 22

Dolls. B. Alexander. 363,240; Dec. 13.
Dolls. M. A. McAboy. 125,072; renewed Apr. 8, 1939.
Golf clubs and parts thereof. K. Smith. 363,243; Dec. 13.

CLASS 23

Bearings, Antifriction. Federal Bearings Co. Inc. 123,219; renewed Oct. 22, 1938.
Boot and shoe stretching devices and adjusters. H Mfg. & Sales Co. 363,171; Dec. 13; Serial No. 408,540; published Oct. 4, 1938.
Cutlery, machinery, and tools and parts thereof. Challenge Company. 123,556; renewed Nov. 19, 1938.
Gear cutting tools and blades therefor. Gleason Works. 363,196; Dec. 13; Serial No. 409,031; published Oct. 4, 1938.
Machines for punching, shearing, notching, and coping plates, etc. Henry Pels & Company. 363,071; Dec. 13; Serial No. 402,273; published Oct. 4, 1938.
Milking-machines. Pine Tree Milking Machine Company. 122,816; renewed Sept. 17, 1938.
Mills, Coffee. Enterprise Manufacturing Company of Pennsylvania. 363,242; Dec. 13.
Razor blades and pocket knives. D. H. Rider. 363,160; Dec. 13; Serial No. 408,400; published Oct. 4, 1938.
Razors and safety razor blades, Safety. American Safety Razor Corporation. 363,081; Dec. 13; Serial No. 404,243; published Oct. 4, 1938.
Spraying machines, Portable insecticide. D. A. McEachern. 363,040; Dec. 13; Serial No. 388,707; published Oct. 26, 1937.
Sweeper, Carpet. Bissell Carpet Sweeper Co. 363,157; Dec. 13; Serial No. 408,371; published Oct. 4, 1938.
Tongs used for holding roasts firmly in place while carving them. Richter & Phillips Company. 363,105; Dec. 13; Serial No. 406,847; published Oct. 4, 1938.

CLASS 26

Color mixing and measuring machine. Acme White Lead and Color Works. 363,139; Dec. 13; Serial No. 408,145; published Oct. 4, 1938.
Measuring and scientific appliances. Priscilla Publishing Co. 124,334; renewed Feb. 4, 1939.
Photographing apparatus, Automatic. W. W. Rice. 363,177; Dec. 13; Serial No. 408,657; published Oct. 4, 1938

CLASS 27

Watches. Manhattan Novelty Company. 363,237; Dec. 13.

CLASS 29

Brush blocks. Pro-phy-lac-tic Brush Company. 363,152; Dec. 13; Serial No. 408,287; published Oct. 4, 1938.
Brushes, Artists'. B. K. Elliott Company. 363,174; Dec. 13; Serial No. 408,600; published Oct. 4, 1938.
Brushes, Painters'. J. C. Pushee & Sons, Inc. 363,233; Dec. 13.

CLASS 30

Pottery ware. Morton Pottery Co. 363,112; Dec. 13; Serial No. 407,154; published Oct. 4, 1938.
Vases or jars, Pottery. Scio-Ohio Pottery Company. 363,125; Dec. 13; Serial No. 407,704; published Oct. 4, 1938.

CLASS 32

Furniture. Barker Bros., Incorporated. 363,053; Dec. 13; Serial No. 398,033; published Jan. 18, 1938.
Furniture, Metal. Royal Metal Manufacturing Co. 363,036; Dec. 13; Serial No. 377,722; published Sept. 20, 1938.
Novelties. Photo-Mirror Corporation of America. 363,235; Dec. 13.

CLASS 33

Glassware, Cooking and table. Pitman-Dreitzer & Co. Inc. 363,207; Dec. 13; Serial No. 409,227; published Oct. 4, 1938.

CLASS 34

Air mixer for ventilating systems. E. H. Collicutt. 363,150; Dec. 13; Serial No. 408,269; published Oct. 4, 1938.
Boilers, Gas hot water. Halloran Company. 363,251; Dec. 13.

Fans, Centrifugal. B. F. Sturtevant Company. 363,231; Dec. 13.
Globes and reflectors. Holophane Company. 363,047; Dec. 13; Serial No. 395,527; published Oct. 4, 1938.
Heaters and incinerators, Combined gas water. Combo Corporation. 363,191; Dec. 13; Serial No. 408,914; published Oct. 4, 1938.
Ovens, Baking. Union Steel Products Company. 363,194; Dec. 13; Serial No. 409,015; published Oct. 4, 1938.

CLASS 36

Accordions, C. G. Conn, Ltd. 363,054; Dec. 13; Serial No. 398,558; published Oct. 4, 1938.

CLASS 37

Albums and mounts, and film and coin carriers, Photograph. Memrilane Studios. 363,102; Dec. 13; Serial No. 406,689; published Oct. 4, 1938.
Cards, Greeting. Gibson Art Company. 363,046; Dec. 13; Serial No. 395,036; published Sept. 27, 1938.
Covers, Looseleaf book. Collectaguide Co. 363,204; Dec. 13; Serial No. 409,188; published Oct. 4, 1938.
Covers, Looseleaf book. Collectaguide Co. 363,205; Dec. 13; Serial No. 409,190; published Oct. 4, 1938.
Crayons. C. H. Chatfield. 363,208; Dec. 13; Serial No. 409,233; published Oct. 4, 1938.
Material of paper, metal foil, or other materials for decorative, etc. uses, Plaited sheet. Elb Products, Inc. 363,106; Dec. 13; Serial No. 406,858; published Oct. 4, 1938.
Paper. Sorg Paper Co. 363,142; Dec. 13; Serial No. 408,211; published Oct. 4, 1938.
Paper, envelopes, and papeteric packages. United States Envelope Company. 363,127; Dec. 13; Serial No. 407,829; published Oct. 4, 1938.
Paper, Filter. Tricolator Company. 363,203; Dec. 13; Serial No. 409,176; published Oct. 4, 1938.
Paper for loose leaf binders. Goldsmith Bros. 363,164; Dec. 13; Serial No. 408,462; published Oct. 4, 1938.
Paper rolls for adding machines. L. Hyman & Sons. 363,248; Dec. 13.
Paper, Specially processed adhesive sheet of waxed. Dixie Wax Paper Company. 363,244; Dec. 13.
Paper, Wrapping. Central Paper Co. 363,146–8; Dec. 13; Serial Nos. 408,264–6; published Oct. 4, 1938.
Pencils. Koh-I-Noor Bleistiftfabrik, L. & C. Hardtmuth. 363,159; Dec. 13; Serial No. 408,387; published Oct. 4, 1938.

CLASS 38

Bonds, share warrants, stamps, etc. Waterlow & Sons Limited. 363,121; Dec. 13; Serial No. 407,613; published Oct. 4, 1938.
Bulletin, Daily. Schleisner Company. 363,193; Dec. 13; Serial No. 408,980; published Sept. 27, 1938.
Card, Folded business. S. H. Oshan. 363,188; Dec. 13; Serial No. 408,821; published Oct. 4, 1938.
Cartoon and comic strip. King Features Syndicate, Inc. 363,172; Dec. 13; Serial No. 408,542; published Sept. 27, 1938.
Magazine department published yearly. Hearst Magazines, Inc. 363,120; Dec. 13; Serial No. 407,543; published Aug. 9, 1938.
Magazine section. A. Bowyer. 363,135; Dec. 13; Serial No. 408,041; published Sept. 27, 1938.
Music, Sheet. T. S. Fiorito. 363,059; Dec. 13; Serial No. 400,705; published Oct. 4, 1938.
Newspaper articles, General Mills, Inc. 363,090–1; Dec. 13; Serial Nos. 405,637–8; published Sept. 27, 1938.
Pictures, prints, paintings, etchings, and drawings. Associated American Artists, Inc. 363,182; Dec. 13; Serial No. 408,744; published Sept. 27, 1938.
Publication. Chilton Company. 363,098; Dec. 13; Serial No. 406,177; published Sept. 27, 1938.
Publication. Picot Laboratories, Inc. 363,095; Dec. 13; Serial No. 405,969; published Oct. 4, 1938.
Publication, Periodical. Equipment Digest Publishing Company. 363,133; Dec. 13; Serial No. 408,013; published Sept. 27, 1938.

CLASS 42

Cotton piece goods. Wamsutta Mills. 124,905–6; renewed Mar. 18, 1939.
Piece goods. Levinsohn Bros. & Co. 363,213; Dec. 13; Serial No. 409,320; published Oct. 4, 1938.
Silk, acetates, woolen, etc. piece goods. Gross-Sydney Inc. 363,080; Dec. 13; Serial No. 404,217; published Oct. 4, 1938.
Silk, acetates, woolen, etc. piece goods. Gross-Sydney Inc. 363,099; Dec. 13; Serial No. 406,289; published Oct. 4, 1938.
Woolen goods, Woven. Colonial Woolen Mills Co. 124,443; renewed Feb. 18, 1939.
Woolen textile fabrics, Mothproofed. Wm. A. Rothholz Co. 363,138; Dec. 13; Serial No. 408,134; published Oct. 4, 1938.

CLASS 43

Thread. Clark Thread Company. 125,031; renewed Apr. 8, 1939.

CLASS 44

Ice bags. Walker Company. 363,238; Dec. 13.
Instrument applicable to and for drawing up the head to relieve pressure on the cervical spine. A. T. Hunt. 363,252; Dec. 13.

CLASS 45

Beverages. A. L. Herzog. 363,241; Dec. 13.
Drinks and syrups therefor, Soft. Ozone Spring Water & Beverage Co. Inc. 122,609; renewed Aug. 27, 1938.
Welch Grape Juice Company. 125,112; renewed Apr. 8, 1939.

CLASS 46

Alimentary pastes. Traficanti Brothers. 363,055; Dec. 13; Serial No. 399,113; published Oct. 4, 1938.
Bread. G. Osborne. 363,176; Dec. 13; Serial No. 408,656; published Oct. 4, 1938.
Candies. National Candy Company. 125,160; renewed Apr. 15, 1939.
Canned fruits and vegetables, canned fish, etc. Epstein-Nevas Co. 363,173; Dec. 13; Serial No. 408,567; published Oct. 4, 1938.
Canned vegetables. Hillsboro-Queen Anne Cooperative Corp. 363,108; Dec. 13; Serial No. 406,973; published Oct. 4, 1938.
Cereal, Whole wheat. National Biscuit Company. 363,117; Dec. 13; Serial No. 407,383; published Oct. 4, 1938.
Cereals, Breakfast. Hugh Tebault & Company. 363,097; Dec. 13; Serial No. 406,106; published June 28, 1938.
Chocolates. Mason, Au & Magenheimer Confectionery Manufacturing Co. 124,257; renewed Jan. 28, 1939.
Crackers. Bright Biscuit Company, Inc. 363,128; Dec. 13; Serial No. 407,848; published Oct. 4, 1938.
Date confections. C. R. Hunter. 363,087; Dec. 13; Serial No. 405,300; published Oct. 4, 1938.
Feed, and food for foxes and other carnivorous animals, Live stock, poultry, and rabbit. Kellogg Company. 363,051; Dec. 13; Serial No. 397,538; published Oct. 4, 1938.
Feeds, Livestock. Allied Mills, Inc. 363,123; Dec. 13; Serial No. 407,652; published Oct. 4, 1938.
Flour, Wheat. Royal Flour Company. 363,093; Dec. 13; Serial No. 405,746; published Oct. 4, 1938.
Flour, Wheat. Waterloo and Cedar Falls Union Mill Company. 123,672; renewed Nov. 19, 1938.
Food, Concentrated sea vegetable. I. Lambert. 363,075; Dec. 13; Serial No. 402,779; published Oct. 4, 1938.
Food, Dog. Hunter Packing Company. 363,069; Dec. 13; Serial No. 402,186; published Oct. 4, 1938.
Food product, Concentrated dehydrated. G. M. Bartlett. 363,042; Dec. 13; Serial No. 393,108; published Aug. 3, 1937.
Foods, Prepared health. M. W Pretorius. 363,039; Dec. 13; Serial No. 387,679; published Oct. 4, 1938.
Gum, Chewing. Wm. Wrigley Jr. Company. 363,067; Dec. 13; Serial No. 402,107; published Sept. 27, 1938.
Gum, Chewing. Wm. Wrigley Jr. Company. 363,068; Dec. 13; Serial No. 402,109; published Sept. 27, 1938.
Ice cream. Carry Ice Cream Company. 363,230; Dec. 13.
Ice-cream. Palmetto Ice Cream Company. 124,037; renewed Dec. 31, 1938.
Ice cream mixes, canned fruits and vegetables, macaroons, etc. R. H. Macy & Co. 363,084; Dec. 13; Serial No. 405,170; published Oct. 4, 1938.
Jam, Grape. Welch Grape Juice Company. 124,353; renewed Feb. 4, 1939.
Jams, jellies, fruit preserves, etc. Dixie Preserves, Ltd. 363,245; Dec. 13.
Marmalade. C. H. Moss. 125,243; renewed Apr. 22, 1939.
Sauce, Food. C. W. Armstrong. 363,129; Dec. 13; Serial No. 407,933; published Oct. 4, 1938.
Shortening, Vegetable. Lever Brothers Company. 363,197; Dec. 13; Serial No. 409,043; published Oct. 4, 1938.
Syrups, Chocolate. Bosco Company. 363,162; Dec. 13; Serial No. 408,449; published Oct. 4, 1938.
Vegetable preparation comprising dehydrated vegetables rich in potassium. Modern Health Products, Inc. 363,033; Dec. 13; Serial No. 366,290; published Oct. 4, 1938.
Yerba mate (Paraguayan tea). Sociedad Anónima Mackinnon & Coelho Ltda. Compañia Yerbatera. 363,220; Dec. 13; Serial No. 409,442; published Oct. 4, 1938.

CLASS 47

Wines. Grierson, Oldham & Company Limited. 363,107; Dec. 13; Serial No. 406,863; published Oct. 4, 1938.
Wines. Italian Swiss Colony. 363,044; Dec. 13; Serial No. 394,606; published Sept. 21, 1937.
Wines. Italian Swiss Colony. 363,045; Dec. 13; Serial No. 394,609; published Sept. 21, 1937.

CLASS 48

Beer. Better Buy Wholesale Grocers. 363,239; Dec. 13.

CLASS 49

Whiskey, gin, rum, etc. Henry Kelley & Sons, Incorporated. 363,034; Dec. 13; Serial No. 373,924; published Mar. 10, 1936.

CLASS 50

Forms, Hosiery. Shoe Form Co. 363,170; Dec. 13; Serial No. 408,517; published Oct. 4, 1938.
Utility implement, General. Webster Rubber Company. 363,209; Dec. 13; Serial No. 409,248; published Oct. 4, 1938.

LIST OF LABELS

A Noble Dog Dog Food. For Dog Food. M. D. Solow. 52,230; Dec. 13.
Article 77. For Cough Syrup. N. Berger. 52,203; Dec. 13.
Bacon. For Bacon. Cleveland Provision Company. 52,206; Dec. 13.
Beauty. For Evaporated Milk. Defiance Milk Products Company. 52,210; Dec. 13.
Bostonian Lunch. For Beans and Brown Bread. Multiple Container Corporation. 52,225; Dec. 13.
Defiance. For Evaporated Milk. Defiance Milk Products Company. 52,209; Dec. 13.
Dr. West's Miracle-Tuft Dental Plate Brush. For Dental Plate Brushes. Weco Products Company. 52,231; Dec. 13.
Flashlight Battery. For Batteries. Burgess Battery Company. 52,205; Dec. 13.
Golden Gate Quick Cook Chicken Flavored Soup-A-Roni. For a Chicken Flavored Prepared Soup to Which Water is Added. Golden Gate Macaroni Company. 52,212; Dec. 13.
Gressler's. For a Cleaner for Toilet Bowls and Urinals. C. F. Gressler 52,213; Dec. 13.
Hornung's. For Light Beer. Jacob Hornung Brewing Co. 52,214; Dec. 13.
Hornung's. For Cream Ale. Jacob Hornung Brewing Co. 52,215; Dec. 13.
Jerzee. For Evaporated Milk. Defiance Milk Products Company. 52,208; Dec. 13.
Johnson's Shur-Tred Floor Finish. For a Floor Finish for Wood, Linoleum, Cement, Terrazzo, Rubber and Asphalt-Tile. S. C. Johnson & Son, Inc. 52,220; Dec. 13.
Kemp's Nuts. For Nuts. E. F. Kemp, Inc. 52,221; Dec. 13.
Little Phillies. For Cigars. Bayuk Cigars Incorporated. 52,202; Dec. 13.
Markwell Master RF1 Stapler. For Stapling Machines. Markwell Manufacturing Co. 52,224; Dec. 13.
Morning Glory. For Evaporated Milk. Defiance Milk Products Company. 52,211; Dec. 13.
Ocean Pack. For Shrimp. Pacific Food Products Co. Inc. 52,228; Dec. 13.
Sani-Flush. For a Powdered Compound for Cleaning Water-Closet Bowls and Automobile Radiators. Hygienic Products Company. 52,216–9; Dec. 13.
Skinned Ham. For Skinned Ham. Cleveland Provision Company. 52,207; Dec. 13.
Special Cream Ale. For Ale. Oertel Brewing Company Incorporated. 52,226; Dec. 13.
Surfasaver. For One-Coat Flat White Brushing Paint. I. Ostroff. 52,227; Dec. 13.
Texturized Drape. For Drapes. Riverdale Manufacturing Co. Inc. 52,229; Dec. 13.
The Umbrella Bantamac. For Sport Jackets. Marcus Breier's Sons. 52,204; Dec. 13.
There is a Maiden Form for Every Type of Figure. For Brassières and for Boxes, Packages and/or Containers for Such Goods. Maiden Form Brassiere Company. 52,223; Dec. 13.
White Rose Wash Day Wonder. For a Washing and Bleaching Solution. J. E. Leclerc. 52,222; Dec. 13.

LIST OF PRINTS

Chocolates 29¢ Lb. For Candy. Awful Fresh MacFarlane. 17,152; Dec. 13.
Corn Blown into Crisp Airy "Bubbles". For Cereal Food General Mills, Inc. 17,156; Dec. 13.
Corn Comes in Exciting Bubbles Now. For Cereal Food General Mills, Inc. 17,157; Dec. 13.
Fudge 29¢ Lb. For Candy. Awful Fresh MacFarlane. 17,153; Dec. 13.
Giant Prints. For Prints. Major D. Willis. 17,162; Dec. 13.
Hershey's made with Rich Fresh Milk (School Room). For Milk Chocolate Bars. Hershey Chocolate Corporation. 17,159; Dec. 13.
New! Exclusive! Glamorous! Noreen Super Color Rinse. For Color Rinses for the Hair. Beauty Products. 17,154; Dec. 13.
Now, Corn in Tempting "Bubbles" to Give You:—Something New for Breakfast. For Cereal Food. General Mills, Inc. 17,158; Dec. 13.
Parker Announces an "Early Bird" Gift Sale. For Fountain Pens, Mechanical Pencils, Desk Sets, and Ink. Parker Pen Company. 17,160; Dec. 13.
Ruptured! For Trusses. R. A. Campbell. 17,155; Dec. 13.
The Older the Brier the Sweeter the Smoke. For Tobacco Pipes. D. A. Schultze, Inc. 17,161; Dec. 13.
Zaros Lucky Birthday Perfumes. For Perfumes. Maurice Zimmerman & Rae Zimmerman. 17,163; Dec. 13.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 13TH DAY OF DECEMBER, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Auditorium Conditioning Corporation. (See Baker, Irving C., assignor.)
Automatic Truck Loader Corporation. (See Goodman, Joseph, assignor.)
Baker, Irving C., York, Pa., assignor, by mesne assignments, to Auditorium Conditioning Corporation, Jersey City, N. J. Air conditioning. Re. 20,944; Dec. 13.
Bedell, Frederick, Ithaca, N. Y., assignor to General Radio Company, Cambridge, Mass. Device for indicating oscillograph curves as stationary. Re. 20,945; Dec. 13.
Carlton, Richard P., St. Paul, Minn., assignor, by mesne assignments, to The Stratmore Company, Cleveland, Ohio. Abrasive article. Re. 20,946; Dec. 13.
General Radio Company. (See Bedell, Frederick, assignor.)
Goodman, Joseph, assignor to Automatic Truck Loader Corporation, New York, N. Y. Refuse truck. Re. 20,947; Dec. 13.
Kollsman, Paul, New York, N. Y. Quick reading altimeter. Re. 20,948; Dec. 13.
Lyon Metal Products Incorporated. (See O'Connor, John B., assignor.)
O'Connor, John B., assignor to Lyon Metal Products Incorporated, Aurora, Ill. Folding table top. Re. 20,949; Dec. 13.
Plummer, William B., assignor to Standard Oil Company, Chicago, Ill. Polymerizing hydrocarbon gases. Re. 20,950; Dec. 13.
Standard Oil Company. (See Plummer, William B., assignor.)
Stratmore Company, The. (See Carlton, Richard P., assignor.)

LIST OF DESIGN PATENTEES

American Fabrics Company, The. (See Rutsch, W. E., and Schulze, assignors.)
American Transformer Company. (See Garlick, Walter J., Jr., assignor.)
Atlas & Bluhm Inc. (See Weixel, Harry, assignor.)
Babus, Samuel, Brooklyn, N. Y. Coat. 112,546; Dec. 13.
Barkby, Harry, assignor to Shenango Pottery Company, New Castle, Pa. Plate or similar article. 112,509; Dec. 13.
Barkby, Harry, assignor to Shenango Pottery Company, New Castle, Pa. Plate or similar article. 112,510; Dec. 13.
Barnes, Stanley H., New Rochelle, assignor to Gleason-Tiebout Glass Company, Maspeth, N. Y. Globe for lighting fixture. 112,511; Dec. 13.
Beck, Frank H., Shelbyville, Tenn. Combined eraser and pencil clip. 112,582; Dec. 13.
Benninghofen, Paul, et al., trustees. (See Katz, Russell, assignor.)
Best, John H., & Sons, Inc. (See Best, Leon H., assignor.)
Best, Leon H., assignor to John H. Best & Sons, Inc., Galva, Ill. Display platform for rugs or the like. 112,512; Dec. 13.
Billings, Robert T., Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Plastic sheet or similar article. 112,569; Dec. 13.
Blum, Norman, New York, N. Y. Glove. 112,583; Dec. 13.
Carvalho, Leslie R. N., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Metal cap for bottles. 112,513; Dec. 13.
Chrisman, Frank S., assignor to South Bend Toy Mfg. Co., South Bend, Ind. Croquet rack. 112,514; Dec. 13.
Collins, Ashton B., Birmingham, Ala. Font of type. 112,515; Dec. 13.
Cunningham, Andrew J., Snyder, N. Y. Goblet or similar article. 112,516; Dec. 13.
Cunningham, Andrew J., Snyder, N. Y. Goblet or similar article. 112,517; Dec. 13.
Cunningham, Andrew J., Snyder, N. Y. Goblet or similar article. 112,518; Dec. 13.
Cunningham, Andrew J., Snyder, N. Y. Goblet or similar article. 112,547; Dec. 13.
Cunningham, Andrew J., Snyder, N. Y. Goblet or similar article. 112,548; Dec. 13.
Cunningham, Andrew J., Snyder, N. Y. Goblet or similar article. 112,549; Dec. 13.
Cunningham, Andrew J., Snyder, N. Y. Goblet or similar article. 112,550; Dec. 13.
Cunningham, Andrew J., Snyder, N. Y. Goblet or similar article. 112,551; Dec. 13.
Cunningham, Andrew J., Snyder, N. Y. Goblet or similar article. 112,557; Dec. 13.
Cunningham, Andrew J., Snyder, N. Y. Goblet or similar article. 112,558; Dec. 13.
Cunningham, Andrew J., Snyder, N. Y. Goblet or similar article. 112,559; Dec. 13.
Cunningham, Andrew J., Snyder, N. Y. Tumbler or similar article. 112,560; Dec. 13.
Cunningham, Andrew J., Snyder, N. Y. Goblet or similar article. 112,570; Dec. 13.
Cunningham, Andrew J., Snyder, N. Y. Goblet or similar article. 112,571; Dec. 13.
Cunningham, Andrew J., Snyder, N. Y. Goblet or similar article. 112,572; Dec. 13.
Dailey, William O., Portland, Oreg. Holder for towels and similar articles. 112,519; Dec. 13.
Diesbach, Fritz G., et al., trustees. (See Katz, Russell, assignor.)
Di Verdura, Fulco, assignor to P. E. Flato, New York, N. Y. Brooch or similar article. 112,584; Dec. 13.
Du Pont, E. I., de Nemours & Company. (See Billings, Robert T., assignor.)
Ebert, Burton E., Lansdowne, assignor to Scott Paper Company, Chester, Pa. Towel dispensing cabinet. 112,520; Dec. 13.
Electrical Testing Laboratories. (See Whyte, Ruth L., assignor.)
Engel, Alice, New York, N. Y. Dress. 112,552; Dec. 13.
Flato, Paul E. (See di Verdura, Fulco, assignor.)
Florence Stove Company. (See Kruck, Ralph E., assignor.)
Forbes Lithograph Manufacturing Company, The. (See Peterson, Edward E., assignor.)
Freydberg, Herman, New York, N. Y. Hat. 112,585; Dec. 13.
Fuller, Paul M., Chicago, Ill., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Phonograph cabinet. 112,521; Dec. 13.
Garlick, Walter J., Jr., Glen Ridge, assignor to American Transformer Company, Newark, N. J. Electrical reactor. 112,522; Dec. 13.
Gerton, Philip, New York, N. Y. Stocking or similar article. 112,586; Dec. 13.
Gleason-Tiebout Glass Company. (See Barnes, Stanley H., assignor.)
Greenberg, Charles B., New York, N. Y. Wrist watch strap buckle. 112,561; Dec. 13.
Grodnick, Alexander, Weehawken, N. J. Knitted fabric. 112,573; Dec. 13.
Grodnick, Alexander, Weehawken, N. J. Knitted fabric. 112,574; Dec. 13.
Guggenheim, Paul, assignor to Philadelphia Metal Drying Form Company, Philadelphia, Pa. Automobile top radio antenna. 112,523; Dec. 13.
Gurns, Stanley J., assignor to The Norlipp Company, Chicago, Ill. Guard for automobile fenders. 112,524; Dec. 13.
Gurns, Stanley J., assignor to The Norlipp Company, Chicago, Ill. Guard for automobile fenders. 112,525; Dec. 13.
Haffer, Lizzie, assignor to S. S. Rice, Jr., and A. S. Klein, copartners doing business as Tailor Maid Blouses, Los Angeles, Calif. Blouse. 112,553; Dec. 13.
Hamilton, J. T. & A., Company. (See Meier, John H., Jr., assignor.)
Hatch, Paul F., Ypsilanti, and M. J. Hume, Ann Arbor, assignors to Harley C. Loney Company, Detroit, Mich. Wheel balancing weight. 112,526; Dec. 13.
Huffman, Russell L., Dover, Ohio, assignor to Knapp-Monarch Company, St. Louis, Mo. Sadiron. 112,527; Dec. 13.
Huizing, John D., New York, N. Y. Ribbon. 112,562; Dec. 13.
Hume, Malcolm J. (See Hatch, P. F., and Hume.)
Jantzen, Frederick H., Bronx, N. Y. Restaurant or similar building. 112,587; Dec. 13.
Johnson, Albert H., Detroit, Mich. Combined vegetable peeler, slicer, and shredder. 112,528; Dec. 13.
Joyce, Green L., and E. L. Oakley, Bassett, Va. Combination signboard and danger reflector. 112,529; Dec. 13.
Katz, Russell, assignor to P. Benninghofen and F. G. Diesbach, Hamilton, Ohio, as trustees. Casing for an autographic register. 112,575; Dec. 13.

Katz, Russell, assignor to P. Benninghofen and F. G. Diesbach, Hamilton, Ohio, as trustees. Casing for an autographic register. 112,576; Dec. 13.
Kidde, Walter, Sales Company. (See Paxton, Worthen, assignor.)
Klein, Arthur S., et al. (See Hafler, Lizzie, assignor.)
Klein, Samuel C., St. Louis, Mo. Coat. 112,554; Dec. 13.
Knapp-Monarch Company. (See Huffman, Russell I., assignor.)
Kruck, Ralph E., Springfield, assignor to Florence Stove Company, Gardner, Mass. Combined back guard panel and support for timer, lamp, and condiment set for stoves. 112,530; Dec. 13.
Little, John M., Toledo, Ohio. Egg beater. 112,531; Dec. 13.
Loney, Harley C., Company. (See Hatch, P. F., and Hume, assignors.)
Lowen, Stanley, New York, N. Y. Hanger for toilet articles. 112,555; Dec. 13.
Lowen, Stanley, New York, N. Y. Hanger for toilet articles or the like. 112,588; Dec. 13.
Lowen, Stanley, New York, N. Y. Hanger for toilet articles or the like. 112,589; Dec. 13.
Machanoff, Ben, New York, N. Y. Dress. 112,577; Dec. 13.
MacPherson, John E., assignor to The Ontario Knife Company, Franklinville, N. Y. Knife. 112,590; Dec. 13.
Markel Electric Products, Inc. (See Ripley, Duane L., assignor.)
McGuckin, Mary L., Columbus, Ohio. Christmas tree ornament or the like. 112,578; Dec. 13.
Meier, John H., Jr., Pittsburgh, Pa., assignor to J. T. & A. Hamilton Company, Glass bottle. 112,532; Dec. 13.
Milhening, Frank, Evanston, assignor to J. Milhening, Inc., Chicago, Ill. Ring or the like. 112,563; Dec. 13.
Milhening, J., Inc. (See Milhening, Frank, assignor.)
Muessel, Robert W., assignor to South Bend Toy Mfg. Co., South Bend, Ind. Croquet rack. 112,533; Dec. 13.
Norlipp Company, The. (See Gurns, Stanley J., assignor.)
Oakley, Ernest L. (See Joyce, G. L., and Oakley.)
Olszewski, Edward, Detroit, Mich. Picture frame. 112,534; Dec. 13.
Ontario Knife Company, The. (See MacPherson, John E., assignor.)
Owens-Illinois Glass Company. (See Carvalho, Leslie R. N., assignor.)
Paxton, Worthen, New York, N. Y., assignor to Walter Kidde Sales Company, Bloomfield, N. J. Siphon bottle or similar article. 112,535; Dec. 13.
Pennsylvania Glass Products Co. (See Smith, Frasier, assignor.)
Peterson, Edward E., Marblehead, assignor to The Forbes Lithograph Manufacturing Company, Boston, Mass. Display stand. 112,536; Dec. 13.
Philadelphia Metal Drying Form Company. (See Guggenheim, Paul, assignor.)
Podsen, Charles, Brooklyn, N. Y. Shirt. 112,564; Dec. 13.
Restell, Madeleine, New York, N. Y. Robe. 112,565; Dec. 13.
Rice, Sidney S., Jr., et al. (See Hafler, Lizzie, assignor.)
Ripley, Duane L., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Diffuser for electric lighting fixtures. 112,537; Dec. 13.
Roessner, William L., Denver, Colo. Fire extinguishing grenade. 112,538; Dec. 13.
Ross, David G., assignor to Welch's Candy, Limited, Los Angeles, Calif. Store front. 112,579; Dec. 13.
Rutsch, William E., Teaneck, and O. Schulze, North Bergen, N. J., assignors to The American Fabrics Company, Bridgeport, Conn. Table scarf or similar article. 112,566; Dec. 13.
Schildknecht, Paul, Los Angeles, Calif. Combined cigarette snuffer and tray. 112,539; Dec. 13.
Schulze, Otto. (See Rutsch, W. E., and Schulze.)
Scott Paper Company. (See Ebert, Burton E., assignor.)
Shenango Pottery Company. (See Barkby, Harry, assignor.)
Silverman, Charles, Providence, R. I., Necktie fastener or similar article. 112,580; Dec. 13.
Silverman, Jacob A., New York, N. Y. Coat. 112,567; Dec. 13.
Skolnik, Max, Chicago, Ill. Insulating building material. 112,568; Dec. 13.
Smith, Frasier, Wheeling, W. Va., assignor to Pennsylvania Glass Products Co., Pittsburgh Pa. Bottle. 112,540; Dec. 13.
South Bend Toy Mfg. Co. (See Chrisman, Frank S., assignor.)
South Bend Toy Mfg. Co. (See Muessel, Robert W., assignor.)
Stricker, Sam, New York, N. Y. Hat. 112,591; Dec. 13.
Tailor Maid Blouses. (See Hafler, Lizzie.)
Webster, Leslie S., New York, N. Y. Reflector. 112,541; Dec. 13.
Weisberger, Irving, New York, N. Y. Elastic textile fabric. 112,556; Dec. 13.
Weixel, Harry, Brooklyn, assignor to Atlas & Bluhm Inc., New York, N. Y. Textile fabric. 112,581; Dec. 13.
Welch's Candy, Limited. (See Ross, David G., assignor.)
Whyte, Ruth L., Chicago, Ill., assignor to Electrical Testing Laboratories, New York, N. Y. Lamp base. 112,542; Dec. 13.
Whyte, Ruth L., Chicago, Ill., assignor to Electrical Testing Laboratories, New York, N. Y. Lamp base. 112,543; Dec. 13.
Wiley, Ray M., Springfield, Mass. Telephone stand. 112,544; Dec. 13.
Wurlitzer, Rudolph, Company, The. (See Fuller, Paul M., assignor.)
Younghusband, James L., Chicago, Ill. Perfume bottle or similar container. 112,545; Dec. 13.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 13TH DAY OF DECEMBER, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aanerud, Louis, assignor to F. H. Noble & Co., Chicago, Ill. Display stand. 2,139,649; Dec. 13.
Aberle, Roy, Long Branch, N. J., assignor to Sanlin Offset Press Manufacturing Corporation, New York, N. Y. Offset lithographic machine. 2,140,256; Dec. 13.
Adams, Elise P. (See Booker, Norman N., assignor.)
Adlake Company, The. (See Larson, Carl H., assignor.)
Agfa Ansco Corporation. (See Wilmanns, G., Fricke, and Birr, assignors.)
Aktiebolaget Ljungstroms Angturbin. (See Lysholm, Alf, assignor.)
Alfaro, Heraclio, Boston, Mass. Air-cooled internal combustion engine. 2,140,397; Dec. 13.
Allegheny Ludlum Steel Corporation. (See Batcheller, Clements, assignor.)
Allen, Edward M., Barberton, and G. M. Lynn, deceased, by E. P. Lynn, administratrix, Wadsworth, Ohio, assignors to Pittsburgh Plate Glass Company. Producing finely divided calcium carbonate which does not agglomerate. 2,140,375; Dec. 13.
Allensworth, Harry R., Columbus, Ohio. Selector-translator. 2,139,655; Dec. 13.
Alther, Joseph G., assignor to Universal Oil Products Company, Chicago, Ill. Continuous coking of hydrocarbon oils. 2,140,276; Dec. 13.
Altorfer, Alpheus W., Peoria, Ill. Separable base agitator. 2,139,925; Dec. 13.
Amarel Corporation. (See Furlong, Joseph P., assignor.)
American Can Company. (See Birkland, Stellan, assignor.)
American Can Company. (See Hothersall, John M., assignor.)
American Car and Foundry Motors Company. (See Dayes, Frederick E., assignor.)
American Engineering Company. (See Harrison, Clifford E., assignor.)
American Locomotive Company. (See Danforth, Richard S., assignor.)
American Locomotive Company. (See Wallis, J. S., and Chave, assignors.)
American Machine & Foundry Company. (See Craggs, Ross V., assignor.)
American Pulley Company, The. (See Bilger, W. A., and Watson, assignors.)
American Pulley Company, The. (See Bowen, Russell H., assignor.)
American Smelting and Refining Company. (See Betterton, J. O., and Bitner, assignors.)
American Telephone and Telegraph Company. (See Bonorden, Allen R., assignor.)
American Telephone and Telegraph Company. (See Bonorden, A. R., Carter, and Hanley, assignors.)
American Tri-Ergon Corporation. (See Engl, J., Massolle, and Vogt, assignors.)
Ammonia Casale Societa Anonima. (See Zavka, Mario, assignor.)
Andersen, Carl N., Wellesley Hills, Mass., assignor to Lever Brothers Company. Aromatic mercury malates and making the same. 2,139,711; Dec. 13.
Andersen, Carl N., Wellesley Hills, Mass., assignor to Lever Brothers Company. Aromatic mercury gluconates and making the same. 2,139,712; Dec. 13.
Anderson, Arvid E., Drexel Hill, Pa., assignor to General Electric Company. Electric panel board. 2,140,376; Dec. 13.
Anderson, John K., and T. Johnson, Detroit, Mich. Wrench. 2,139,650; Dec. 13.
Anglo California National Bank of San Francisco, The. (See Rey, Henri D., assignor.)
Applegate, Uriah S., Walnut Acres, Calif. Sash hinge fixture. 2,139,651; Dec. 13.
Armbruster, R. H., Mfg. Co. (See Frazee, Frank D.)
Armbruster, W. C. (See Frazee, Frank D., assignor.)
Armstrong Siddeley Motors Limited. (See Towns, H. L., and Cutler, assignors.)
Armstrong, Victor C., Short Hills, N. J., assignor to Poor & Company, New York, N. Y. Tie plate and rail clip combination. 2,140,217; Dec. 13.
Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Pyrophoric lighting mechanism. 2,140,277; Dec. 13.
Art Metal Works, Inc. (See Aronson, Louis V., assignor.)
Arutunoff, Armais, assignor to Reda Pump Company, Bartlesville, Okla. Switch. 2,140,149; Dec. 13.
Ash Grove Lime & Portland Cement Co. (See Frolich, A. K., and Lundteigen, assignors.)
Ashley, Carlyle M., Summit, and S. F. Shawhan, Maplewood, assignors, by mesne assignments, to Carrier Corporation, Newark, N. J. Air conditioning apparatus. 2,140,305; Dec. 13.
Ashworth, Fred, Wenham, and L. S. Curtin, Malden, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of moccasin type shoes. 2,139,713; Dec. 13.
Askania-Werke A. G. (See Schuchardt, H., and von Manteuffel, assignors.)
Atkins, E. C., & Company. (See Thatcher, Edward E., assignor.)
Atlas Copper & Brass Mfg. Co. (See Woodruff, Harry L., assignor.)
Atlas Drop Forge Company. (See Buckingham, Norris R., assignor.)
Austin, Alcide J. (See Piro, Philip J., assignor.)
Auto Research Corporation. (See Bijur, Joseph, assignor.)
Automatic Devices Corporation. (See Cohen, Joseph H., assignor.)
Automotive Products Company Limited. (See Clench, Edward C. S., assignor.)
Ayers, Joseph W., assignor to C. K. Williams & Co., Easton, Pa. Explosive. 2,140,447; Dec. 13.
Babcock, Earl. (See Sellers, W. D., and Babcock.)
Baeckler, Walter Lakewood, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Fluid irradiating apparatus. 2,139,656; Dec. 13.
Baeckler, Walter Lakewood, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Irradiating process and apparatus. 2,139,657; Dec. 13.
Bagpak, Inc. (See Cheatham, Orme E., assignor.)
Bahan, William H., Greenville, S. C. Loom sword bearing clamp. 2,139,993; Dec. 13.
Bahnson Company, The. (See Marsh, Harry M., assignor.)
Baird Machine Company, The. (See Lewis, Arthur J., assignor.)
Baldwin Company, The. (See Kock, Winston E., assignor.)
Bane, Joe H., Dana, Ill. Sickle header for harvesters and the like. 2,139,927; Dec. 13.
Bangle, John W., Statesville, N. C., assignor of one-half to The Holiness Church of El Monte, Calif., one-fourth to C. A. and P. L. Boeck, and one-fourth to M. A. Bangle, Los Angeles, Calif. Furnace for melting metal. 2,140,181; Dec. 13.
Bangle, Mary A., et al. (See Bangle, John W., assignor.)
Bangs, Ralph C., Providence, R. I., assignor to Cohn & Rosenberger, Inc., of Rhode Island. Gem setting tool. 2,140,465; Dec. 13.
Banks, Robert W., Memphis, Tenn. Extension hinge. 2,140,412; Dec. 13.
Banks, Robert W., Memphis, Tenn. Window element and locking means. 2,140,413; Dec. 13.
Banner, Irving. (See Banner, Max S. and I.)
Banner, Max S. and I., New York, N. Y. Child's handbag novelty. 2,140,124; Dec. 13.
Bannerot, Frederick G. (See Hurtt, W. T., and Bannerot.)
Barber, Leroy B. (See Hosselkus, Bert C., assignor.)
Barker, William T., Jr. (See Peiler, K. E., and Barker, Jr.)
Barnes, Marion W., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,140,278; Dec. 13.
Barrett Company, The. (See Miller, Stuart P., assignor.)
Barrey, Etienne, Nanterre, France. Manufacturing dry rectifiers. 2,139,791; Dec. 13.
Batcheller, Clements, Portsmouth, N. H. Acoustical and fire resistant composition fiber insulating board. 2,140,195; Dec. 13.
Batcheller, Clements, Glens Falls, N. Y. Making wall tile sheets. 2,140,196; Dec. 13.
Batcheller, Clements, Glens Falls, N. Y. Synthetic marble sheet and forming same. 2,140,197; Dec. 13.
Batcheller, Clements, Glens Falls, N. Y., assignor to Allegheny Ludlum Steel Corporation, Pittsburgh, Pa. Sign or license plate. 2,140,067; Dec. 13.
Bauer, Emory L., assignor to Emory L. Bauer, Inc., Wilmington, Del. Baffle for heaters. 2,140,125; Dec. 13.
Bauer, Emory L., Inc. (See Bauer, Emory L., assignor.)
Bayer Company, The. (See Hiemenz, W., and Freedman, assignors.)
Beals, Albert E., Norwich, N. Y. Control of gas or vapor compressors. 2,140,306; Dec. 13.
Beattie, James, assignor to Wall & Ochs, Philadelphia, Pa. Center structure for eyeglasses and spectacles. 2,140,044; Dec. 13.
Bechaud, Adolph B., assignor of one-half to A. J. Bechaud and one-half to B. A. Bechard, Fond du Lac, Wis. Container. 2,139,792; Dec. 13.

Bechaud, Audrey J., et al. (See Bechaud, Adolph B., assignor.)
Bechaud, Barbara A., et al. (See Bechaud, Adolph B., assignor.)
Becker, August M., New York, N. Y., assignor to F. A. Becker, Cliffside, N. J. Coating machine. 2,139,652; Dec. 13.
Becker, Frank A. (See Becker, August M., assignor.)
Belaschk, Alfred O., and H. K. Schoen, Corona, N. Y. Electrically operated combination set for the dressing table. 2,140,307; Dec. 13.
Belfrage, Frank R., Kansas City, Mo. Syringe. 2,139,653; Dec. 13.
Bell Telephone Laboratories, Incorporated. (See Broadwell, Howard, assignor.)
Bell Telephone Laboratories, Incorporated. (See Glass, Myron S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Greenidge, Ralph M. C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Laico, Joseph P., assignor.)
Bell Telephone Laboratories, Incorporated. (See Miller, Albert H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Pratt, Edward J., assignor.)
Bell Telephone Laboratories, Incorporated. (See Smith, Phillip H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Sterba, Ernest J., assignor.)
Beloit Iron Works. (See Berry, Earl E., assignor.)
Belshaw, Charles F., Greenville, Mich. Refrigerator drain. 2,140,308; Dec. 13.
Benninghofen, Paul, et al. (See Waechter, Harry J., assignor.)
Benson, Andrew, Wilmette, assignor to Chicago Metal Hose Corporation, Maywood, Ill. Machine and making corrugated tubing. 2,139,714; Dec. 13.
Benton, Cecil R., Vergennes, Vt. Spark plug. 2,139,793; Dec. 13.
Benzing, Ernst, and J. Jaenicke, Franfort-on-the-Main, Germany, assignors, by mesne assignments, to Revertex Limited, London, England. Concentrating rubber latex. 2,140,198; Dec. 13.
Bergner, Nore E., Stockholm, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Centrifugal separator for the separation of liquids tending to form froth. 2,139,715; Dec. 13.
Bergstrom, Ossian W. F., Halesite, N. Y. Support for paint buckets and the like. 2,140,045; Dec. 13.
Berkowitz Envelope Company. (See Berkowitz, Eugene B., assignor.)
Berkowitz, Eugene B., assignor to Berkowitz Envelope Company, Kansas City, Mo. Moistureproof envelope. 2,139,654; Dec. 13.
Berno, Edward H. (See Hunt, G. H., and Berno.)
Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Cross-current flow Fourdrinier paper making machine. 2,139,874; Dec. 13.
Bessom, Earl A., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for separating shoes from lasts. 2,139,658; Dec. 13.
Betterton, Jesse O., and W. H. Bitner, Metuchen, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Treating zinciferous materials. 2,140,309; Dec. 13.
Betz, Paul L., Baltimore, Md., and S. Karrer, Washington, D. C., assignors to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md. Safety device for gas heaters. 2,140,466; Dec. 13.
Biddle, William C. (See Corbin, Elbert A., assignor.)
Biermanns, Josef, Berlin-Johannisthal, and O. Mayr, Berlin-Karlshorst, Germany, assignors to General Electric Company. Electric circuit interrupter. 2,140,378; Dec. 13.
Bigelow-Sanford Carpet Co. Inc. (See Coyle, Joseph A., assignor.)
Bigelow-Sanford Carpet Co. Inc. (See Knowland, R. G., and Dow, assignors.)
Bijur, George, executor. (See Bijur, Joseph.)
Bijur, Joseph, deceased, by G. Bijur, executor, New York, N. Y., assignor to Auto Research Corporation. Central lubrication. 2,139,659; Dec. 13.
Bilger, Walter A., Philadelphia, and D. M. Watson, Ardsley, assignors to The American Pulley Company, Philadelphia, Pa. Grooved pulley. 2,140,068; Dec. 13.
Binder, Frederick G. (See McElroy, J. H., Yeo, and Binder.)
Binley, Noble O. (See Skok, A., and Binley.)
Bird, Whitworth F., Springfield, assignor to Collins & Aikman Corporation, Philadelphia, Pa. Multished loom. 2,139,994; Dec. 13.
Birkland, Stellan, San Francisco, Calif., assignor to American Can Company, New York, N. Y. Container. 2,139,660; Dec. 13.
Birr, Emil J. (See Wilmanns, G., Fricke, and Birr.)
Biszantz, Fred, assignor to The Galion Metallic Vault Company, Galion, Ohio. Dump body leverage. 2,139,794; Dec. 13.
Biszantz, Fred, assignor to The Galion Metallic Vault Company, Galion, Ohio. Dump body. 2,139,795; Dec. 13.
Bitner, William H. (See Betterton, J. O., and Bitner.)
Black, Sivalls & Bryson, Inc. (See Raymond, G., and Young, assignors.)
Blewett, John, assignor to The Murray Company, Dallas, Tex. Baling press dog. 2,139,928; Dec. 13.
Bley, Rudolph S., Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Stabilizing carbohydrate derivatives. 2,140,346; Dec. 13.
Bley, Rudolph S., Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Stabilizing cellulose triacetate. 2,140,347; Dec. 13.
Bley, Rudolph S., Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Stabilizing cellulose derivatives. 2,139,664; Dec. 13.
Bley, Rudolph S., Milligan College, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Stabilizing cellulose acetobutyrates. 2,139,661; Dec. 13.
Bley, Rudolph S., Milligan College, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Stabilizing cellulose derivatives. 2,139,662; Dec. 13.
Bley, Rudolph S., Milligan College, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Stabilizing cellulose derivatives. 2,139,663; Dec. 13.
Blosser, John E., Glens Falls, and P. Burke, South Glens Falls, assignors to Veldown Company, Inc., New York, N. Y. Stacking mechanism. 2,139,796; Dec. 13.
Blow, George, New York, N. Y. Sealing the walls of wells while drilling same. 2,139,929; Dec. 13.
Blue Ridge Slate Corporation. (See Hillers, C. E., and Small, assignors.)
Blumer, Manuel. (See Kessler, G. A., and Blumer.)
Boeck, Charlie A., et al. (See Bangle, John W., assignor.)
Boeck, Pearl L., et al. (See Bangle, John W., assignor.)
Boerstler, Edward W., Watertown, Mass. Fluorescence detecting apparatus. 2,139,797; Dec. 13.
Bogart, Henry W., Lakewood, Ohio. Stabilizer for automobile steering gears. 2,139,666; Dec. 13.
Boldt, Werner F. (See Cox, J. C., Boldt, and Thomas.)
Boldt, Werner F., and G. H. Thomas; said Boldt assignor to Wagner Electric Corporation, St. Louis, Mo., and said Thomas assignor to P. M. Salerni, London, England. 2,140,100; Dec. 13.
Boltdens Gruvaktiebolag. (See Häger, Bror O., assignor.)
Bonorden, Allen R., Fanwood, N. J., assignor to American Telephone and Telegraph Company. Telegraph switchboard switching system. 2,139,799; Dec. 13.
Bonorden, Allen R., Fanwood, N. J., assignor to American Telephone and Telegraph Company. Telephone switchboard and switching system. 2,139,800; Dec. 13.
Bonorden, Allen R., Fanwood, F. J. Carter, Millburn, and F. H. Hanley, Butler, N. J., assignors to American Telephone and Telegraph Company. Telegraph switchboard switching system. 2,139,798; Dec. 13.
Booker, Norman N., assignor of three-tenths to E. P. Adams, Philadelphia, Pa. Aerial bomb. 2,139,665; Dec. 13.
Borg-Warner Corporation. (See Chandler, Milford G., assignor.)
Borg-Warner Corporation. (See Hunt, G. H., and Berno, assignors.)
Borg-Warner Corporation. (See Sherman, Alvin G., assignor.)
Bostad, Fred. (See Nielsen, S. F., and Bostad.)
Boston, David W. (See Poulsen, A., Kolb, Pratt, and Boston.)
Bostwick, Cyrus R., Cato, N. Y. Triplicate folding hand mirror. 2,140,069; Dec. 13.
Boule, Camille E., assignor to Summit Thread Company, East Hampton, Conn. Thead bobbin producing machine. 2,140,046; Dec. 13.
Boumeester, Huibert G. (See Kuipers, M., and Boumeester.)
Bovard, Charles M., assignor to Cooper-Bessemer Corporation, Mount Vernon, Ohio. Fuel supplying apparatus. 2,140,101; Dec. 13.
Bowen, Russell H., assignor to The American Pulley Company, Philadelphia, Pa. Variable-pitch pulley. 2,140,182; Dec. 13.
Bowman-Manifold, Michael, Worplesdon Station, and E. C. Cork, Worcester Park, assignors to Electric and Musical Industries Limited, Hayes, Middlesex, England. Television or the like transmission system. 2,140,102; Dec. 13.
Boyce, Leonard D., Maplewood, Mo. Crankcase ventilator. 2,139,801; Dec. 13.
Brackett, Fred M. (See Danecke, Dietrich, assignor.)
Bradley, Frederick W. (See Gravesen, Carl C., assignor.)
Brailsford, Joseph D., London, England, assignor to Radio Corporation of America. Cathode heating circuits. 2,139,716; Dec. 13.
Brandt, John, assignor to Salerno Machinery Company, Chicago, Ill. Conveyer for feeding trays. 2,139,877; Dec. 13.
Bransky, David W., assignor to Standard Oil Company, Chicago, Ill. Apparatus for concentrating sulphuric acid. 2,140,070; Dec. 13.
Brauer, Oscar F., Lakewood, assignor to The Cleveland Shopping News Company, Cleveland, Ohio. Loading apparatus. 2,139,667; Dec. 13.
Breed, Charles W., Western Springs, and G. R. Burkhardt, Chicago, Ill. Adjustable rail brace. 2,139,930; Dec. 13.
Breer, Carl, Grosse Pointe Park, assignor to Chrysler Corporation, Detroit, Mich. Power transmission. 2,139,717; Dec. 13.

Breitling, Ernst, Berlin-Tempelhof, Germany, assignor to The National Cash Register Company, Dayton, Ohio. Cash register, accounting, and the like machine. 2,139,718; Dec. 13.
Breitling, Ernst, and E. Wagner, Berlin, Germany, assignors to The National Cash Register Company, Dayton, Ohio. Cash register. 2,139,719; Dec. 13.
Bresler, Fritz, Berkeley, assignor to Shell Developer Company, San Francisco, Calif. Treating wells. 2,140,183; Dec. 13.
Breth, Ferdinand W., New York, N. Y., and A. Kinsel, Petrolia, Pa., assignors to L. Sonneborn Sons, Inc. Oil composition. 2,139,668; Dec. 13.
Breyer, Frank G., Wilton, Conn., and J. P. Hubbell, Garden City, N. Y. Manufacture of rubber stocks and of pigment complexes for compounding therewith. 2,139,995; Dec. 13.
Briggs, Joseph G., San Jose, assignor of one-half to H. D. Gilbert, Los Gatos, Calif. Spikeless rail plate. 2,139,720; Dec. 13.
Brill, Rudolf. (See Lederle, E., Günther, and Brill.)
Brinton, H., Co. (See Horrocks, H. S., and Gorman, assignors.)
Brinton, H., Co. (See Newell, Edwin H., assignor.)
British Acoustic Films, Ltd. (See Kolb, O. K., and Rickets, assignors.)
British Acoustic Films Limited. (See Poulsen, A., Kolb, Pratt, and Boston, assignors.)
Broadwell, Howard, Ridgewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Rotary switch. 2,140,126; Dec. 13.
Bronstein, David E., Toronto, Ontario, assignor to Score Corporation Limited, Winnipeg, Manitoba, Canada. Game apparatus. 2,139,875; Dec. 13.
Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Loom temple roll. 2,140,448; Dec. 13.
Brown, Elward D. and G. H., Brooklyn, N. Y. Relaxer. 2,140,310; Dec. 13.
Brown, Ernest K. (See Wilson, R. R., Brown, and White.)
Brown, Frank K., South Dartmouth, assignor to Continental Screw Company, New Bedford, Mass. Screw with socketed head and plurality of slots. 2,140,449; Dec. 13.
Brown, Grace H. (See Brown, Elward D. and G. H.)
Brown, William, assignor to McAdoo & Allen Welting Company, Quakertown, Pa. Leather welt. 2,140,047; Dec. 13.
Brownstein, Benjamin, Ellwood City, Pa. Continuous tube or bar rolling mill. 2,140,414; Dec. 13.
Brune, Otto, Wangen/Allgau, assignor to Zellstoffabrik Waldhof, Mannheim-Waldhof, Germany. Cellulose cooking process. 2,140,218; Dec. 13.
Brunkow, Alvin F., Alma, Wis. Speed control for welding machines. 2,139,931; Dec. 13.
Bryan, Arthur H., Baltimore, Md. Valence block for illustrating chemical reactions. 2,140,103; Dec. 13.
Buc, Hyym E., Roselle, N. J., assignor to Standard Oil Development Company. Sulphation of chlorhydrins. 2,139,669; Dec. 13.
Buchanan, Leslie B. M., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cooling system for compressors. 2,139,996; Dec. 13.
Buckingham, Norris R., assignor to Atlas Drop Forge Company, Lansing, Mich. Balancing and center locating machine. 2,140,398; Dec. 13.
Bucyrus-Erie Company. (See Stiehl, Carl E., assignor.)
Budd, Edward G., Manufacturing Company. (See Ledwinka, Joseph, assignor.)
Budd Wheel Company. (See Eksergian, C. L., and Temple, assignors.)
Buehler, Leon, Jr., assignor to Frick Company, Waynesboro, Pa. Refrigeration system. 2,140,415; Dec. 13.
Buell, Wales S., Dansville, assignor to Foster Wheeler Corporation, New York, N. Y. Heat exchange apparatus. 2,140,279; Dec. 13.
Bullington, Aubrey E., assignor of one-third to W. P. Evans and one-third to F. J. Dresman, Huntington Park, Calif. Brake lining clamp. 2,139,876; Dec. 13.
Burch, La Verge P. (See Palmer, Alphonso T., assignor.)
Burgess, Walter K., Chanute Field, Rantoul, Ill. Turnbank and position indicator. 2,139,670; Dec. 13.
Burgner, Harley T. (See Holmes, D. H., Burgner, and MacEwing.)
Burgwin, Stephen L. (See Yensen, T. D., and Burgwin.)
Burke, Paul. (See Blosser, J. E., and Burke.)
Burkhardt, George R. (See Breed, C. W., and Burkhardt.)
Buskirk, Elmore E., Adrian, Mich. Dental forceps. 2,140,280; Dec. 13.
Butler, Clyde G., Madeira, assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Can tapping and content dispensing device. 2,140,257; Dec. 13.
Byars, Robert E., Elmhurst, Long Island, N. Y. Hose nozzle. 2,139,926; Dec. 13.
Cadwell, Leon L., assignor to Industrial Patents Corporation, Chicago, Ill. Carcass treatment means. 2,140,150; Dec. 13.
Cardwell-Westinghouse Company. (See Sproul, Donald F., assignor.)
Cargile, Clifton, assignor to The George E. Failing Supply Company, Enid, Okla. Threaded joint. 2,140,467; Dec. 13.
Carl, Fred, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Concentration of nitric acid. 2,139,721; Dec. 13.
Carlson, Bert G., Freeport, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Hydropneumatic automatic pilot. 2,139,878; Dec. 13.
Carlson, Gustav W., Cleveland Heights, and R. C. Russell, Shaker Heights, assignors to Eaton Manufacturing Company, Cleveland, Ohio. Vehicle brake. 2,140,379; Dec. 13.
Carmody, William H., assignor to The Neville Company, Pittsburgh, Pa. Hydrogenation of coumarone-indene resins. 2,139,722; Dec. 13.
Carpenter, John S., Athol, assignor to Rodney Hunt Machine Company, Orange, Mass. Turbine. 2,139,932; Dec. 13.
Carrier Corporation. (See Ashley, C. M., and Shawhan, assignors.)
Carrier Corporation. (See Mozier, Albert W., assignor.)
Carson, Robert W., Little Falls, N. J. Electrical measuring instrument. 2,139,997; Dec. 13.
Carter, Frank J. (See Bonorden, A. R., Carter, and Hanley.)
Carter, Philip M., White Plains, N. Y. Automotive vehicle control mechanism. 2,139,723; Dec. 13.
Cass, Oliver W. (See Levine, A. A., and Cass.)
Catchpole, William M., Bury St. Edmunds, England. Machine for topping sugar beets in the ground. 2,139,802; Dec. 13.
Cavicchi, Ernest, Arlington, Mass. Mattress ventilator. 2,139,803; Dec. 13.
Cedar Rapids Engineering Company. (See Dunn, Allen I., assignor.)
Central Specialty Co. (See Lonskey, John H., assignor.)
Chace, W. M., Company. (See Weinhardt, Robert A., assignor.)
Chancellor, Lihu S., Pleasantgrove, Miss. Crankshaft. 2,140,127; Dec. 13.
Chandler, Milford G., Flint, Mich., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Fuel feeding system for internal combustion engines. 2,139,804; Dec. 13.
Chase, Edwin. (See Heppner, G. J., and Chase.)
Chase, Herbert, assignor to United Specialties Sales Corporation, New York, N. Y. Temperature indicator. 2,139,805; Dec. 13.
Chave, Charles T. (See Wallis, J. S., and Chave.)
Chentham, Orme E., West Brighton, assignor to Bagpak, Inc., New York, N. Y. Bag closure. 2,140,104; Dec. 13.
Chenault, Roy L., Penn Township, Allegheny County, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Well graveling apparatus. 2,140,072; Dec. 13.
Chenoweth, Edwin J. R., Renville, Minn. Disintegrating machine. 2,139,933; Dec. 13.
Chesny, Heinz H., San Mateo, assignor to Marine Chemicals Company, Ltd., South San Francisco, Calif. Magnesium carbonate and manufacture. 2,139,934; Dec. 13.
Chicago Development Company. (See Dean, R. S., and Gross, assignors.)
Chicago Metal Hose Corporation. (See Benson, Andrew, assignor.)
Chidsey, Charles A., Jr., Detroit, Mich., assignor to Steiner Sales Company, Salt Lake City, Utah. Towel dispensing apparatus. 2,140,440; Dec. 13.
Chrysler Corporation. (See Breer, Carl, assignor.)
Chrysler Corporation. (See Hicks, Harold A., assignor.)
Chrysler Corporation. (See Johnson, Glen F., assignor.)
Chrysler Corporation. (See Maurer, Edwin R., assignor.)
Chrysler Corporation. (See Tea, Clark A., assignor.)
Chrysler Corporation. (See Woolson, Harry T., assignor.)
Churchill Cabinet Company. (See Gullicksen, Willard A., assignor.)
Cincinnati Ball Crank Company, The. (See Butler, Clyde G., assignor.)
Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electronic cooking device. 2,140,348; Dec. 13.
Clark, Herbert S. and R. M. H., Scarborough Township, Ontario, Canada. Apparatus for hand weaving. 2,139,879; Dec. 13.
Clark, Richard U., Wilmette, Ill., assignor, by mesne assignments, to The Magnavox Company, Incorporated. Mounting. 2,140,441; Dec. 13.
Clark, Richard U., Wilmette, Ill., assignor, by mesne assignments, to The Magnavox Company, Incorporated. Condenser and mounting therefor. 2,140,442; Dec. 13.
Clark, Richard U., Wilmette, Ill., assignor, by mesne assignments, to The Magnavox Company, Incorporated. Suspension mounting. 2,140,443; Dec. 13.
Clark, Richard U., Fort Wayne, Ind., assignor, by mesne assignments, to The Magnavox Company, Incorporated. Filter circuits. 2,140,444; Dec. 13.
Clark, Rosa M. H. (See Clark, Herbert S. and R. M. H.)
Clark, W. G. (See Thompson, Stacy W., assignor.)
Clarke, Herbert A., Pennsauken, N. J., assignor to Radio Corporation of America. Apparatus for mounting piezo-electric crystals. 2,139,998; Dec. 13.

Claudin, Jean, assignor to Société Anonyme des Matieres Colorantes & Produits Chimiques de Saint-Denis, Paris, France. Thiocyanic and dithiocarbamic anhydrides and making the same. 2,139,935; Dec. 13.

Cleem, Delphia H., Hallock, Minn. Vapor generator for carburetors. 2,140,071; Dec. 13.

Clench, Edward C. S., Leamington Spa, assignor to Automotive Products Company Limited, London, England. Adjusting means for brakes. 2,140,219; Dec. 13.

Cleveland Shopping News Company, The. (See Brauer, Oscar F., assignor.)

Clifford, Albert M., Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Accelerators. 2,140,258; Dec. 13.

Clifford, Albert M., Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Accelerators of vulcanization. 2,140,259; Dec. 13.

Clouse, William L., assignor to The National Machinery Company, Tiffin, Ohio. Machine for making bolts. 2,139,936; Dec. 13.

Cluster, Franklin, Springfield, Oreg. Road building and reclamation machine. 2,140,105; Dec. 13.

Coffey, Joseph H., Rhos-on-Sea, North Wales. Manufacture of rubber articles and compositions therefor. 2,139,724; Dec. 13.

Cohen, Charles A. (See Mikeska, L. A., and Cohen.)

Cohen, Charles A. (See Rosen, R., and Cohen.)

Cohen, Joseph H., assignor to Automatic Devices Corporation, Bridgeport, Conn. Cigar lighter. 2,140,311; Dec. 13.

Cohn & Rosenberger, Inc., of Rhode Island. (See Bangs, Ralph C., assignor.)

Collar, George D., Glenside, Pa., assignor to Fidelity Machine Company, Wilmington, Del. Measuring and cutting attachment for sewing machines. 2,140,416; Dec. 13.

Collender, Gustave A., Los Angeles, Calif. Land vehicle. 2,139,937; Dec. 13.

Collier-Keyworth Company. (See Sheldrick, Henry W., assignor.)

Collins & Aikman Corporation. (See Bird, Whitworth F., assignor.)

Colson Corporation, The. (See Johnson, Wilfred G., assignor.)

Colucci, Giovanni, Wilmington, N. C. Plywood. 2,139,880; Dec. 13.

Colvin, Ella F., et al, executrices. (See Colvin, William, Jr.)

Colvin, William, Jr., deceased, Troy, N. Y.; E. F. Colvin and R. E. Sharpe, executrices, assignor, by mesne assignments, to Colvinex Corporation. Roof. 2,140,220; Dec. 13.

Colvinex Corporation. (See Colvin, William, Jr., assignor.)

Commonwealth Edison Company. (See Johnstone, H. F., and Singh, assignors.)

Comstock, John S., Hollywood, Calif. Coffee infusion apparatus. 2,139,881; Dec. 13.

Conklin, Ancil B., Galveston, Tex. Core taker for rotary drills. 2,140,417; Dec. 13.

Connolly, Martin J., New York, N. Y. Cotton harvesting machine. 2,140,399; Dec. 13.

Consolidated Expanded Metal Companies, The. (See Herbest, Thomas R., Jr., assignor.)

Consolidated Gas Electric Light and Power Company of Baltimore. (See Betz, P. L., and Karrer, assignors.)

Constantine, Nicholas A., Central Lakes, Minn. Bag holder. 2,140,199; Dec. 13.

Continental Can Company. (See O'Neil, James H., assignor.)

Continental Screw Company. (See Brown, Frank K., assignor.)

Cook, Elmer W., New York, N. Y., assignor to Tide Water Associated Oil Company, Bayonne, N. J. Lubricating oil and lubrication therewith. 2,139,725; Dec. 13.

Cook, Elmer W., New York, N. Y., assignor to Tide Water Associated Oil Company, Bayonne, N. J. Lubricating oil and lubrication therewith. 2,139,726; Dec. 13.

Cook, March G., assignor to Sheboygan Machine Company, Sheboygan, Wis. Deck engine control. 2,139,727; Dec. 13.

Cooper-Bessemer Corporation. (See Bovard, Charles M., assignor.)

Copeland, John E. (See Le Jeune, F. H., and Copeland.)

Corbin, Elbert A., Jr., Morton, assignor of one-half to W. C. Biddle, Lansdowne, Pa. Washbasin. 2,139,671; Dec. 13.

Cork, Edward C. (See Bowman-Manifold, M., and Cork.)

Cornish, John L., Falmouth, England. Trousers and the like. 2,140,221; Dec. 13.

Cotts, James, St. Paul, Minn., assignor to A. F. Ward, Cincinnati, Ohio. Multiple baking pan. 2,139,999; Dec. 13.

Cox, Geo. W., et al. (See Sterling, Rufus T., assignor.)

Cox, John C., W. F. Boldt, and G. H. Thomas, St. Louis, Mo.; said Cox and said Boldt assignors to Wagner Electric Corporation, St. Louis, Mo., and said Thomas assignor to P. M. Salerni, Westminster, London, England. Fluid coupling. 2,140,106; Dec. 13.

Coyle, Joseph A., Amsterdam, N. Y., assignor to Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn. Axminster loom. 2,140,468; Dec. 13.

Craggs, Ross V., Brooklyn, N. Y., assignor to American Machine & Foundry Company. Pneumatic conveyer for cigarette machines. 2,140,128; Dec. 13.

Crawford, John W. C., and J. McGrath, Ardrossan, Scotland, assignors to Imperial Chemical Industries Limited. Production of methacryl-containing compounds. 2,140,469; Dec. 13.

Crittenden, Butler P., assignor to Louisiana Oil Refining Corporation, Shreveport, La. Combined liquid phase and vapor phase oil cracking process. 2,139,672; Dec. 13.

Crumrine, Chester W., assignor to Eastman Kodak Company, Rochester, N. Y. Shutter actuating arrangement for folding cameras. 2,139,728; Dec. 13.

Cunningham, Harry G., Los Angeles, Calif., assignor to R. K. O. Studios, Inc. Camera adjusting mechanism. 2,139,260; Dec. 13.

Cunnington, George R., assignor to Woodall Industries Incorporated, Detroit, Mich. Floor structure. 2,139,882; Dec. 13.

Curry, Wiley, Tahoka, Tex. Maize header. 2,139,883; Dec. 13.

Curtin, Leonard S. (See Ashworth, F., and Curtin.)

Cutler, Gerard M. (See Towns, H. L., and Cutler.)

Czubinski, Bert, assignor to John Widdicomb Company, Grand Rapids, Mich. Extensible drop leaf table. 2,140,073; Dec. 13.

Dalotel, Maurice A., Colombes, assignor to S. R. Mathot, Paris, France. Machine for the continuous printing of negative films on a plurality of positives at the same time. 2,139,806; Dec. 13.

Daneke, Dietrich, assignor to F. M. Brackett, Topeka, Kans. Adhesive applicator. 2,140,470; Dec. 13.

Danforth, George L., Jr., assignor to Open Hearth Combustion Company, Chicago, Ill. Foundation for checkerwork construction. 2,139,729; Dec. 13.

Danforth, Richard S., Berkeley, Calif., assignor, by mesne assignments, to American Locomotive Company, New York, N. Y. Distilling hydrocarbon oils. 2,140,450; Dec. 13.

Darragh, John K., Astoria, assignors to Loose-Wiles Biscuit Company, Long Island City, N. Y. Display box easel cover. 2,140,000; Dec. 13.

Davidson & Company. (See Whitmore, John, assignor.)

Davis, Harold S. (See Dockson, C. H., and Davis.)

Davitt, Michael, Scranton, Pa. Box divider. 2,140,001; Dec. 13.

Dawson, John W., East McKeesport, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Change-amplifying means. 2,140,349; Dec. 13.

Dawson, John W., East McKeesport, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control apparatus. 2,140,350; Dec. 13.

Dawson, Joseph R., Niagara Falls, N. Y., asisgnor to Oxweld Acetylene Company. Filler material for welding. 2,139,730; Dec. 13.

Day, Harry I., Kew Gardens, and H. D. Ellsworth, assignors to G. T. Kirby, New York, N. Y. Illumination. 2,139,732; Dec. 13.

Dayatnite Lamp Corporation. (See Greenmun, Leo S., assignor.)

Dayes, Frederick E., Philadelphia, Pa., assignor to American Car and Foundry Motors Company, New York, N. Y. Motor vehicle. 2,139,807; Dec. 13.

Dayton Rubber Mfg. Company, The. (See Freedlander, A. L. and Ritzert, assignors.)

Dazey Churn & Manufacturing Co. (See Dazey, Harry L., assignor.)

Dazey, Harry L., Clayton, assignor to Dazey Churn & Manufacturing Co., St. Louis, Mo. Device for opening cans. 2,140,151; Dec. 13.

Dean, Reginald S., Washington, D. C., and J. G., Minneapolis, Minn., assignor, by mesne assignments, to Chicago Development Company, Chicago, Ill. Apparatus for pulverizing mineral aggregates. 2,139,808; Dec. 13.

Deans, Arthur C., Los Angeles, Calif. Luminous tube sign character. 2,139,884; Dec. 13.

De Back, William. (See Thompson, A. R., and de Back.)

De Bileux, Earl V., Pittsfield, Mass., assignor to General Electric Company. Power supply for rectifier auxiliaries. 2,140,377; Dec. 13.

De Boer, Jan H., and W. C. van Geel, assignors to N. V. Philips Gloeilampenfabrieken, Eindhoven, Netherlands. Asymmetric electrode system. 2,139,731; Dec. 13.

Decker, George, assignor to A. Kletz, Bellevue, Wash., and P. D. Spaeth, Cincinnati, Ohio. Permanent waving device. 2,140,184; Dec. 13.

De Groce, Gennero, Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical control system. 2,140,351; Dec. 13.

Deere & Company. (See Sliver, Walter H., assignor.)

Deere & Company. (See Thleman, William B., assignor.)

De Gironimo, Enrico, New York, N. Y. Removable heel. 2,139,885; Dec. 13.

De Laval Separator Company, The. (See Bergner, Nore E., assignor.)

Delfs, Detlef, Leverkusen-I. G. Werk, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Azo dyestuff. 2,140,312; Dec. 13.

Dellenbarger, Charles E., and M. Mannist, Philadelphia, Pa.; said Mannist assignor to said Dellenbarger. Metal stud and joist. 2,140,313; Dec. 13.

Del-Mac Shoe Process Corporation, The. (See Sutcliffe, Harry L., assignor.)

"Delmag" Deutsche Elektromaschinen & Mortoren-Bau-Aktiengesellschaft. (See Hnage, Konrad, assignor.)

Denison, Frederick S., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control mechanism. 2,140,451; Dec. 13.

Derrig, Joseph A., Chicago, Ill. Collet chuck. 2,139,733; Dec. 13.

Detrick, M. H., Company. (See Hosbein, Louis H., assignor.)

Dexter Folder Company. (See Goodwin, Edwin W., assignor.)

Dexter Folder Company. (See McElroy, J. H., Yeo, and Binder, assignors.)

Diamond, Paul S., assignor to Motor Research Corporation, Detroit, Mich. Piston mold mechanism. 2,139,734; Dec. 13.

Dick, A. B., Company. (See Schutte, August E., assignor.)

Dictograph Products Company. (See Sears, Sterling G., assignor.)

Diesbach, Fritz G., et al., trustees. (See Waechter, Harry J., assignor.)

Dilts, Noah L., Hammond, Ind. Portable wardrobe. 2,140,418; Dec. 13.

Dion, Arthur N., Attleboro, Mass. Door holder. 2,140,002; Dec. 13.

Distillation Products, Inc. (See Embree, Norris D., assignor.)

Dixon, Fate, assignor of one-half to S. A. Poole, Durham, N. C. Machine for grinding drill bits. 2,139,938; Dec. 13.

Dobkin, William J., Jackson Heights, Long Island, assignor to M. B. Feinson, New York, N. Y. Lather dispenser. 2,139,735; Dec. 13.

Dockson, Charles H., and H. S. Davis, Detroit, Mich. Eye protection device. 2,139,811; Dec. 13.

Dodge, Charles A. (See Spencer, P. L., and Dodge.)

Dodsworth, John S. (See Ferguson, Frank R., assignor.)

Dolge, Frans A., Eskilstuna, Sweden. Flatiron holder. 2,139,809; Dec. 13.

Dollinger, Lewis L., Rochester, N. Y. Mixing apparatus. 2,140,315; Dec. 13.

Dombrower, Ralph L. (See Moody, W. L., and Wagar, assignors.)

Döscher, Bernhard F., Santa Cruz, Calif. Container handling device. 2,140,314; Dec. 13.

Dow, James N. (See Knowland, R. G., and Dow.)

Doyle, William C., Vernon, Tex. Fluid lift pump. 2,140,419; Dec. 13.

Doyle, William J., and J. J. Wollenhaupt, assignors of one-half to The Williamson Heater Company, Cincinnati, Ohio, and one-half to Sears, Roebuck and Co., Chicago, Ill. Producing an iron alloy. 2,139,939; Dec. 13.

Drachenberg, Richard E., Detroit, Mich. Pretzel stick vending machine. 2,139,886; Dec. 13.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for producing sheet glass. 2,140,281; Dec. 13.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for tempering glass. 2,140,282; Dec. 13.

Draper, Arthur F., Ferndale, Mich. Folding chair. 2,139,673; Dec. 13.

Draper Corporation. (See Brown, Carl D., assignor.)

Dreher, Robert, Chicago, Ill. Combination comb case and cleaner. 2,139,940; Dec. 13.

Dresman, Frank J., et al. (See Bullington, Aubrey E., assignor.)

Drzewiecki, Joseph, Detroit, Mich. Door lock for automobiles. 2,140,129; Dec. 13.

Du Jay, Inc. (See Hirsch, Jules, assignor.)

Duncan, William B., Shawnee, Okla. Apparatus for gauging fluid levels. 2,139,810; Dec. 13.

Dunlop Rubber Company Limited. (See Murphy, E. A., and Madge, assignors.)

Dunn, Allen I., assignor to Cedar Rapids Engineering Company, Cedar Rapids, Iowa. Grinding device. 2,139,887; Dec. 13.

Dunn, William G., Clarinda, Iowa. Wind driven generator structure. 2,140,152; Dec. 13.

Dunrud, Martin C. (See Miller, R. J., and Dunrud.)

Du Pont, E. I., de Nemours & Company. (See Carl, Fred, assignor.)

Du Pont, E. I., de Nemours & Company. (See Hardy, Vernal R., assignor.)

Du Pont, E. I., de Nemours & Company. (See Higgins, Dale G., assignor.)

Du Pont, E. I., de Nemours & Company. (See Horning, Samuel C., assignor.)

Du Pont, E. I., de Nemours & Company. (See Howell, Edward T., assignor.)

Du Pont, E. I., de Nemours & Company. (See Levine, A. A., and Cass, assignors.)

Du Pont, E. I., de Nemours & Company. (See Salzberg, Paul L., assignor.)

Du Pont, E. I., de Nemours & Company. (See Wrightsman, Philip G., assignor.)

Du Pont Film Manufacturing Corporation. (See Marasco, Martin, assignor.)

Du Pont Film Manufacturing Corporation. (See Marasco, M., and Middleton, assignors.)

Durham, Kenneth P., Seattle, Wash. Vortical muffling device. 2,139,736; Dec. 13.

Dwyer, James E., assignor to E. Frederics, Inc., New York, N. Y. Permanent wave clip. 2,139,737; Dec. 13.

Dyer, Lloyd W., Swissvale, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Reclosing device for circuit breakers. 2,140,352; Dec. 13.

Eaddy, Ernest J., Spartanburg, S. C. Cleaning textile machinery. 2,140,420; Dec. 13.

Eames, William F., Edgewood, Pa., assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Generator demagnetizing connection. 2,140,353; Dec. 13.

Eames, William F., Edgewood, Pa., assignor to Westinghouse Electric Elevator Company, Jersey City, N. J. Electrical control system. 2,140,354; Dec. 13.

Earp, Charles W., Paris, France, assignor to Western Electric Company, Incorporated, New York, N. Y. Radio system. 2,140,130; Dec. 13.

Eastman Kodak Company. (See Crumrine, Chester W., assignor.)

Eastman Kodak Company. (See Lindenberg, Wilhelm, assignor.)

Eastman Kodak Company. (See Martin, Lawrence R., assignor.)

Eastman Kodak Company. (See Mihalyi, Joseph, assignor.)

Eastman Kodak Company. (See Nadeau, Gale F., assignor.)

Eastman Kodak Company. (See Sheppard, S. E., Houck, and Lambert, assignors.)

Eastman Kodak Company. (See Slack, A. D., and Young, assignors.)

Eastman Kodak Company. (See Wengel, Raymond W., assignor.)

Eaton Manufacturing Company. (See Carlson, G. W., and Russell, assignors.)

Eby, Hugh H., Inc. (See Manley, Lee L., assignor.)

Eclipse Aviation Corporation. (See Lansing, Raymond P., assignor.)

Eclipse Machine Company. (See Lansing, Raymond P., assignor.)

Economy Engineering Corporation, The. (See Schwarz, Alfred, assignor.)

Edeleanu Gesellschaft, m. b. H. (See Terres, E., Saegebarth, Moos, and Ramser, assignors.)

Edwards, E. H., Company. (See White, Herbert E., assignor.)

Eisenhauer, Warren F., Watertown, Mass., assignor, by mesne assignments, to F. L. Jacobs Company, Detroit, Mich. Lubricating springs. 2,139,738; Dec. 13.

Eksergian, Carolus L., and R. B. Temple, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa. Brake. 2,140,261; Dec. 13.

Electric and Musical Industries Limited. (See Bowman-Manifold, M., and Cork, assignors.)

Ellsworth, Harold D. (See Day, H. I., and Ellsworth.)

Elmire, Howard H., Kearny, N. J. Well drilling machine. 2,139,739; Dec. 13.

Embree, Norris D., assignor, by mesne assignments, to Distillation Products, Inc., Rochester, N. Y. Production of high vacuum and high vacuum pumps. 2,139,740; Dec. 13.

Empire Brush Works. (See Insillo, Casper.)

Emulsol Corporation, The. (See Reynolds, Marvin C., assignor.)

Engl, Josef, and J. Massolle, Grunewald, and H. Vogt, Berlin-Schoneberg, Germany, assignors, by mesne assignments, to American Tri-Ergon Corporation, New York, N. Y. Photographically recording sound. 2,140,003; Dec. 13.

Erbe, Ralph R., Fort Wayne, Ind., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Automatic phonograph. 2,139,812; Dec. 13.

Ernst, Clemens J., Sidney, Ohio. Stake pocket for vehicle bodies. 2,140,074; Dec. 13.

Espenschied, Helmut, Metuchen Township, Middlesex County, N. J., assignor to National Lead Company, New York, N. Y. Pigmentary lead titanate and making the same. 2,140,222; Dec. 13.

Espley, Dennis C., North Wembley, assignor to The General Electric Company Limited, London, England. Synchronizing means. 2,140,107; Dec. 13.

Estelles, Guillermo, London, England. Adjusting driving chains. 2,139,941; Dec. 13.

Evans, Samuel J., Princeton, W. Va. Automatic resetting trap. 2,139,674; Dec. 13.

Evans, Walter P., et al. (See Bullington, Aubrey E., assignor.)

Faber, Herbert A., Cincinnati, Ohio. Monolithic slab floor construction. 2,140,283; Dec. 13.

Fageol, William B., assignor to Twin Coach Company, Kent, Ohio. Pneumatic-tired highway and rail vehicle. 2,140,421; Dec. 13.

Falling, George E., Supply Company, The. (See Gargile, Clifton, assignor.)

Falloon, Shirley W. H. W., Chelmsford, England, assignor to Radio Corporation of America. Electrical oscillation generator. 2,140,004; Dec. 13.

Farabough, George M., Rogers, Ark. Cutting utensil. 2,140,075; Dec. 13.

Farina, Julius, Springfield, Mass. Footwear. 2,140,422; Dec. 13.

Farnsworth, Philo T., assignor to Farnsworth Television Incorporated, San Francisco, Calif. Secondary emission electrode. 2,139,813; Dec. 13.
Farnsworth, Philo T., assignor to Farnsworth Television Incorporated, San Francisco, Calif. Cathode ray tube. 2,139,814; Dec. 13.
Farnsworth, Philo T., San Francisco, Calif., assignor to Farnsworth Television Incorporated. Projecting oscillight. 2,140,284; Dec. 13.
Farnsworth, Philo T., Springfield Township, Montgomery County, Pa., assignor to Farnsworth Television Incorporated, San Francisco, Calif. Multiplier coupling system. 2,140,285; Dec. 13.
Farnsworth Television Incorporated. (See Farnsworth, Philo T., assignor.)
Faulkner, Seymour, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Manufacture of catalysts. 2,140,400; Dec. 13.
Fausek, Arthur J. and I. F., Clayton, Mo. Hose structure. 2,139,888; Dec. 13.
Fausek, Irwing F. (See Fausek, Arthur J. and I. F.)
Fedders Manufacturing Company. (See Minkel, Frank J., assignor.)
Fedders Manufacturing Company. (See Smith, Lawrence C., assignor.)
Feinson, Mac B. (See Dobkin, William J., assignor.)
Fellipone, Micheal, East Peoria, Ill. Bathtub. 2,139,942; Dec. 13.
Fenske, Merrell R., and W. B. McCluer, State College, Pa., assignors to Pennsylvania Petroleum Research Corporation. Process and apparatus for treating mineral oils. 2,139,943; Dec. 13.
Ferguson, Frank R., assignor of one-half to J. S. Dodsworth, Kansas City, Mo. Check and like books. 2,139,889; Dec. 13.
Fernsch Aktiengesellschaft. (See Ruska, Ernst, assignor.)
Ferris, Wallace A., Los Angeles, Calif. Form spreader. 2,140,153; Dec. 13.
Fidelity Machine Company. (See Collar, George D., assignor.)
Fikentscher, Hans, and C. Heuck, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of polymerization products. 2,140,048; Dec. 13.
Fink, Gail J., La Grange, assignor to National Aluminate Corporation, Chicago, Ill. Treating water. 2,140,401; Dec. 13.
Finkel, Louis, Buffalo, N. Y. Feather renovator. 2,140,200; Dec. 13.
First National Bank of Chicago, The, et al., executors. (See Reynolds, Marvin C.)
Fiscel, Harry E., Pittsburgh, Pa. Dry concentrator. 2,139,944; Dec. 13.
Fischer, H. G., & Co. (See Osborn, Howard H., assignor.)
Fitchett, Thomas S., assignor to F. N. Hooper Company, Inc., Glen Arm, Md. Crenser. 2,139,890; Dec. 13.
Fitzpatrick, Jeremiah, Weymouth, Mass. Foot measuring device. 2,139,741; Dec. 13.
Fleisher, Walter L., New York, N. Y. Air conditioning apparatus. 2,139,675; Dec. 13.
Fodor, Joseph, London, England. Sign. 2,139,815; Dec. 13.
Food Machinery Corporation. (See Reinstein, Maurice, assignor.)
Food Machinery Corporation. (See Thompson, A. R., and de Back, assignors.)
Ford, James G., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Heat transfer fluid. 2,139,945; Dec. 13.
Ford, James G., Forest Hills, and C. F. Hill, Edgewood, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Dielectric liquid for electrical apparatus. 2,139,946; Dec. 13.
Ford, James G., Forest Hills, and C. F. Hill, Edgewood, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Dielectric liquid for electrical apparatus. 2,139,947; Dec. 13.
Ford, James G., Forest Hills, and C. F. Hill, Edgewood, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Dielectric liquid for electrical apparatus. 2,139,948; Dec. 13.
Fordyce, John R., Hot Springs, Ark. Highway. 2,139,816; Dec. 13.
Forsythe, John W., Wilkinsburg, and W. Stewart, North Braddock, Pa. Apparatus for handling molten slag. 2,139,949; Dec. 13.
Foster, Benjamin N., assignor to Kingsbury Machine Tool Corporation, Keene, N. H. Power wrench. 2,140,223; Dec. 13.
Foster Wheeler Corporation. (See Buell, Wales S., assignor.)
Fralick, Syles R., Northbrook, assignor to Kwikon Company, Chicago, Ill. Service entrance device. 2,139,742; Dec. 13.
Frazee, Frank D., assignor to W. C. Armbruster, Springfield, Ill., doing business as R. H. Armbruster Mfg. Co. Awning mechanism. 2,140,286; Dec. 13.
Frederics, E., Inc. (See Dwyer, James E., assignor.)
Freedlander, Abraham L., and N. J. Ritzert, assignors to The Dayton Rubber Mfg. Company, Dayton, Ohio. Oil well belt connecter. 2,140,201; Dec. 13.
Freedlander, Abraham L., and N. J. Ritzert, assignors to The Dayton Rubber Mfg. Company, Dayton, Ohio. Fiber bearing belt connecter. 2,140,202; Dec. 13.
Freedman, Louis. (See Hiemenz, W., and Freedman.)
Frees, Willis S., Garrettsville, Ohio. Self-adjusting auto seat. 2,140,423; Dec. 13.
Frick Company. (See Buehler, Leon, Jr., assignor.)
Fricke, Hans. (See Wilmanns, G., Fricke, and Birr.)
Friedman, William F., Washington, D. C. Cryptographic apparatus. 2,139,676; Dec. 13.
Friedman, William F., Washington, D. C. Cryptographic device. 2,140,424; Dec. 13.
Frolich, Andrew K., and A. Lundteigen, Jr., Louisville, Nebr., assignors to Ash Grove Lime & Portland Cement Co., Kansas City, Mo. Process and apparatus for manufacturing cement. 2,140,471; Dec. 13.
Fromm, Herbert, Hamburg, Wis. Homogenizer. 2,140,076; Dec. 13.
Fuchs, Eugene A., Atlanta, Ga. Closure cap for containers. 2,140,077; Dec. 13.
Furlong, Joseph P., Pawtucket, R. I., assignor to Amarel Corporation, Newark, N. J. Apparatus for converting hydrocarbons. 2,140,316; Dec. 13.
Galgoczy, Mikaly, Cleveland, Ohio. Roller skate attachment. 2,140,224; Dec. 13.
Gallon Metallic Vault Company, The. (See Biszantz, Fred, assignor.)
Galley, William B., Eagle Rock, Calif. Window shade. 2,139,950; Dec. 13.
Ganger, Jesse R., assignor to The National Cash Register Company, Dayton, Ohio. Calculating machine. 2,139,743; Dec. 13.
Gans, Joseph. (See Insillo, Casper, assignor.)
Garcia, Nestor, assignor to P. R. Pelayo, New York, N. Y. Lubricating device. 2,139,677; Dec. 13.
Gaston, Cecil D., and W. D. Moore, Birmingham, Ala. Portable sitz bath. 2,139,951; Dec. 13.
Gastrich, Gustav, assignor to Textile Machine Works, Wyomissing, Pa. Loop length control mechanism. 2,140,472; Dec. 13.
Gawehn, Herbert, Frohnau, Germany, assignor to General Electric Company. Rotary motion transmitting system. 2,140,380; Dec. 13.
General Aniline Works, Inc. (See Delfs, Detlef, assignor.)
General Aniline Works, Inc. (See Retter, W., Wahl, and Müller, assignors.)
General Aniline Works, Inc. (See Wingler, A., Ohlendorf, and Lange, assignors.)
General Cable Corporation. (See Potter, Frank M., assignor.)
General Electric Company. (See Anderson, Arvid E., assignor.)
General Electric Company. (See Biermanns, J., and Mayr, assignors.)
General Electric Company. (See De Blieux, Earl V., assignor.)
General Electric Company. (See Gawehn, Herbert, assignor.)
General Electric Company. (See Jones, Benjamin W., assignor.)
General Electric Company. (See Juchter, Pieter, assignor.)
General Electric Company. (See Lum, Walter O., assignor.)
General Electric Company. (See Lunge, George S., assignor.)
General Electric Company. (See Mayer, Harry F., assignor.)
General Electric Company. (See Trencham, H., and Wilkinson, assignors.)
General Electric Company Limited, The. (See Espley, Dennis C., assignor.)
General Motors Corporation. (See Murden, William T., assignor.)
General Motors Corporation. (See Sullivan, Raymond H., assignor.)
Gilbert, Henry D. (See Briggs, Joseph G., assignor.)
Giles, Dora T., executrix. (See Giles, Henry H.)
Giles, Henry H., deceased, Lincoln Place, Pa.; D. T. Giles, executrix. Apparatus for grinding metallic articles. 2,139,952; Dec. 13.
Gilkes, Gilbert, & Gordon Limited. (See Jackson, Ernest A., assignor.)
Gill Glass & Fixture Company. (See Regester, Ramsay G., assignor.)
Givens, John W. (See Yabroff, D. L., and Givens.)
Glass, Myron S., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,139,678; Dec. 13.
Glemby Company, The. (See Hitzigrath, Paul, assignor.)
Godfrey, Sir George, and Partners Limited. (See Theed, William D. L., assignor.)
Gogan, Joseph, Lakewood, Ohio. Hydraulic resistance device. 2,139,817; Dec. 13.
Goldberg, Max New York, N. Y. Filling machine. 2,139,744; Dec. 13.
Goldberg, Samuel D., assignor to Novocol Chemical Mfg. Co., Inc., Brooklyn, N. Y. Local anesthetic base and solution and their manufacture. 2,139,818; Dec. 13.
Goodall, Howard W., Aldan, Pa. Hose coupling. 2,139,745; Dec. 13.
Goodwin, Edward W., New Rochelle, assignor to Dexter Folder Company, New York, N. Y. Method of and mechanism for registering sheets. 2,140,006; Dec. 13.

Gordon, Burgess L., Jr. (See Pilling, C. J., and Gordon.)
Gorman, William D. (See Horrocks, H. S., and Gorman.)
Gould, Stephen P. (See Whittier, E. O., and Gould.)
Graetz, Fritz, Berlin, Germany. Preheater. 2,139,819; Dec. 13.
Graham, George H., assignor to The Lehon Company, Chicago, Ill. Shingle. 2,139,820; Dec. 13.
Grandman, Walter J., New York, N. Y. Automatic paste dispenser. 2,140,007; Dec. 13.
Grant, Arthur C., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control system. 2,140,473; Dec. 13.
Grauel, Edwin L., Cincinnati, Ohio. Roller window shade construction. 2,140,049; Dec. 13.
Gravesen, Carl C., Roskilde, Denmark, assignor of one-half to F. W. Bradley, Pittsburgh, Pa. Adjustable door handle construction. 2,140,203; Dec. 13.
Greenberg, Harry D., New York, N. Y. Dental mirror. 2,140,005; Dec. 13.
Greenidge, Ralph M. C., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Inductive device. 2,140,154; Dec. 13.
Greenman, Leo S., Binghamton, N. Y., assignor to Dayatnite Lamp Corporation, Newark, N. J. Manufacturing filament supporting assemblies for lamps. 2,139,891; Dec. 13.
Greenwood, Earle, and K. W. Struck, assignors to Sangamo Electric Company, Springfield, Mo. Combination meter and time switch. 2,139,821; Dec. 13.
Griffin, Eugene E., Providence, R. I. Casting apparatus. 2,140,204; Dec. 13.
Gross, John. (See Dean, R. S., and Gross.)
Guardite Corporation, The. (See Hirschl, M. A., and Merriam, assignors.)
Guettler, Herbert W., Glencoe, Ill. Combined barking and washing drum. 2,140,287; Dec. 13.
Guinot, Henri M., Niort, Deux-Sevres, assignor to Usines de Melle, Melle, France. Hydration of olefines. 2,139,953; Dec. 13.
Gulf Research & Development Company. (See Chenault, Roy L., assignor.)
Gulf Research & Development Company. (See Vacquier, Victor V., assignor.)
Gullicksen, Willard A., assignor to Churchill Cabinet Company, Chicago, Ill. Telephone booth. 2,140,474; Dec. 13.
Gulliksen, Finn H., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control apparatus. 2,140,355; Dec. 13.
Gunther, Max. (See Lederle, E., Gunther, and Brill.)
Gutmann, Victor, Nuremburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Submersible pump set seal. 2,140,356; Dec. 13.
Haage, Konrad, assignor to "Delmag" Deutsche Elektromaschinen & Motoren-Bau-Aktiengesellschaft, Esslingen-on-the-Neckar, Germany. Diesel engine. 2,140,205; Dec. 13.
Haberstump, Alfred H. (See Westrope, F. J., Haberstump, and Person.)
Hadaway, John B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making welting. 2,139,746; Dec. 13.
Häger, Bror O., assignor to Boldens Gruvaktiebolag, Stockholm, Sweden. Impregnation solutions. 2,139,747; Dec. 13.
Hale, Jesse W., Newton Center, Mass. Change speed device. 2,140,155; Dec. 13.
Hall Laboratories, Inc. (See Hall, Ralph E., assignor.)
Hall Laboratories, Inc. (See Wilson, John A., assignor.)
Hall, Ralph E., Mount Lebanon, assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Tanning. 2,140,008; Dec. 13.
Haller, Herbert L. J. (See Rose, W. G., and Haller.)
Hammer-Bray Company. (See Leonard, Joseph E., assignor.)
Hamrock, Frank J., E. L. Simonson, and A. P. Meng, Homestead, Pa. Vaporizer. 2,140,425; Dec. 13.
Hand, Wilfred C., New York, N. Y. Cosmetic applicator. 2,140,009; Dec. 13.
Hanel, Charles L., Jackson Heights, N. Y. Onion chopper. 2,140,010; Dec. 13.
Hanley, Frank H. (See Bonorden, A. R., Carter, and Hanley.)
Hanna, Clinton R., Pittsburgh, Pa. Shock absorber. 2,140,357; Dec. 13.
Hanna, Clinton R., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Shock absorber. 2,140,358; Dec. 13.
Hanna, Clinton R., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Valve arrangement of inertia shock absorbers. 2,140,359; Dec. 13.
Hanssen, Henry, executor. (See Tranin, Samuel.)
Hansson, Gutav H., Goteborg, Sweden. Wire holder. 2,140,225; Dec. 13.
Hardy, Vernal R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Diamides of unsaturated carboxylic acids and making the same. 2,139,679; Dec. 13.
Harkort, Hans-Joachim. (See Harkort, Hermann, assignor.)
Harkort, Hermann, Berlin-Tegel, Germany, assignor to Hans-Joachim Harkort, Zurich, Switzerland. Producing lead glazes. 2,140,381; Dec. 13.
Harness, Leroy R. (See Osborn, P. H., and Harness.)
Harrap, Eric R., Manchester, England. Building block. 2,140,226; Dec. 13.
Harrell, Fred E., assignor to Reliance Electric and Engineering Company, Cleveland, Ohio. Squirrel cage rotor and making the same. 2,139,748; Dec. 13.
Harris, Edmund S., Needham, Mass. Base or support for dolls or the like. 2,139,822; Dec. 13.
Harris, H. V. McKay Massey, Proprietary Limited. (See Leason, James C. L., assignor.)
Harrison, Clifford E., assignor to American Engineering Company, Philadelphia, Pa. Stoker. 2,140,317; Dec. 13.
Harschinek, Robert A., assignor to Industrial Patents Corporation, Chicago, Ill. Tying device. 2,140,156; Dec. 13.
Hart, Arthur E., Cleveland, Ohio. Photographing apparatus. 2,140,050; Dec. 13.
Hart, Arthur E., Cleveland, Ohio. Camera support. 2,140,051; Dec. 13.
Hart & Cooley Manufacturing Company. (See Heasley, Loyd E., assignor.)
Hartford-Empire Company. (See Peiler, K. E., and Barker, assignors.)
Hartley, Reuben K., Hamilton, Mo. Wind wheel. 2,139,954; Dec. 13.
Hartz, William, Detroit, Mich. Automatic variable speed transmission. 2,139,892; Dec. 13.
Hass, Verne, Heverle-Louvain, Belgium. Heat treatment of milk. 2,140,011; Dec. 13.
Haworth, Mack E., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Apparatus for mineral separation. 2,139,823; Dec. 13.
Hayes, Frank A., Middletown, N. J. Variable speed power transmission mechanism. 2,140,012; Dec. 13.
Heasley, Loyd E., Holland, Mich., assignor to Hart & Cooley Manufacturing Company, Dover, Del. Adjustable register. 2,139,893; Dec. 13.
Hebert, Edmond A. (See Watts, Perley I., assignor.)
Hein, Henry F., et al. (See Sterling, Rufus T., assignor.)
Heinrich, Valentine, Los Angeles, Calif. Miniature safety razor. 2,139,680; Dec. 13.
Helfrick, Murray D., North Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Manufacture of formed articles. 2,140,131; Dec. 13.
Hemmingson, Orvin, West Union, Iowa. Reel end signal for motion picture projectors. 2,140,227; Dec. 13.
Henecka, Hans, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. 2,2'-Dimethyl-4,4'-dihydroxy-para-phenanthrolin and manufacture thereof. 2,140,318; Dec. 13.
Henke, Hermann, assignor to G. Siebert Gesellschaft mit beschränkter Haftung, Hanau-on-the-Main, Germany. Electrically heated furnace. 2,140,228; Dec. 13.
Heppner, George J., San Francisco, and E. F. Chase, Auburn, Calif. Steering mechanism. 2,140,319; Dec. 13.
Heraeus-Vacuumschmelze A. G. (See Rohn, Wilhelm, assignor.)
Herbest, Thomas R., Jr., assignor to The Consolidated Expanded Metal Companies, Wheeling, W. Va. Partition structure and lathing therefor. 2,139,749; Dec. 13.
Heuck, Claus. (See Fikentscher, H., and Heuck.)
Heumann, Ferdinand G., Great Neck, N. Y. Grass shears. 2,140,288; Dec. 13.
Hicks, Harold A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Motor vehicle. 2,139,750; Dec. 13.
Hiemenz, William, and L. Freedman, Albany, assignors to The Bayer Company, New York, N. Y. Furoic acid esters of aromatic orthohydroxy carboxylic acids. 2,140,052; Dec. 13.
Higgins, Dale G., Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Colored metallic finish. 2,139,824; Dec. 13.
High, Carl F., Flint, Mich. Fuel injection and mixture controlling apparatus for internal combustion engines. 2,139,894; Dec. 13.
Hill, Charles F. (See Ford, J. G., and Hill.)
Hill, Ernest R., East Orange, N. J., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Railway car truck. 2,140,452; Dec. 13.
Hillers, Carl E., Charlottesville, and H. L. Small, Esmont, assignors to Blue Ridge Slate Corporation, Charlottesville, Va. Colored glass coated refractory granules. 2,139,955; Dec. 13.
Hilliard, John D., Glens Falls, N. Y. Circuit breaker. 2,140,475; Dec. 13.
Hipsley, George W., Philadelphia, Pa., assignor of ten one-hundredths to J. G. Mathé, San Salvador, El Salvador. Indicating device for vehicle lights. 2,140,229; Dec. 13.
Hirsch, Jules, New York, N. Y., assignor to Du Jay, Inc. Clip brooch. 2,140,262; Dec. 13.
Hirschl, Marcus A., Chicago, and C. J. Merriam, Winnetka, Ill., assignors to The Guardite Corporation. Vacuum moistening process. 2,139,681; Dec. 13.
Hitzigrath, Paul, Rockville Centre, assignor to The Glemby Company, Inc., New York, N. Y. Hair curling apparatus. 2,139,751; Dec. 13.
Hodson, Walter D., Beverly Hill, Ill. Lubricating wire rope. 2,140,426; Dec. 13.
Hoe, R., & Co. (See Horton, Albert J., assignor.)

Hoffmann-La Roche Inc. (See Reichstein, Tadeus, assignor.)

Holmess Church of El Monte, Calif., The. (See Bangle, John W., assignor.)

Hollett, Robert E., Des Moines, Iowa. Trailer coupler. 2,140,132; Dec. 13.

Holmes, Dwight H., H. T. Burgner, and E. D. MacEwing, assignors to Iconograph Company, Chicago, Ill. Copying apparatus. 2,139,752; Dec. 13.

Hooper, F. X., Company. (See Fitchett, Thomas S., assignor.)

Hoover Company, The. (See Sellers, W. D., and Babcock, assignors.)

Hornbrey, George E., Brounslow, Hooton, England. Tobacco pipe. 2,140,031; Dec. 13.

Horning, Samuel C., Newark, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Lead chromate pigments and producing the same. 2,139,753; Dec. 13.

Horrocks, Harry S., and W. D. Gorman, assignors to H. Brinton Co., Philadelphia, Pa. Mutable design wheel for knitting machines. 2,140,078; Dec. 13.

Horton, Albert J., White Plains, assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y. Viewing impressions on a moving web. 2,140,402; Dec. 13.

Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield wiper. 2,140,453; Dec. 13.

Hosbein, Louis H., Glencoe, assignor to M. H. Detrick Company, Chicago, Ill. Furnace construction. 2,140,185; Dec. 13.

Hosselkus, Bert C., assignor to L. B. Barber, trading under the name of Vivian Manufacturing Company, St. Louis, Mo. Ice carrier. 2,139,895; Dec. 13.

Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container body forming and cutting mechanism. 2,139,682; Dec. 13.

Hotson, John H., Woodside, Long Island, N. Y. Office device. 2,140,382; Dec. 13.

Houck, Robert C. (See Sheppard, S. E., Houck, and Lambert.)

Houde Engineering Corporation. (See Peo, R. F., Lautz, and Magrum, assignors.)

Houseman, Wilbur L., Maplewood, N. J., assignor to Standard-Trump Bros. Machine Company, Laconia, N. H. Knitting machine. 2,139,754; Dec. 13.

Howald, Werner, Zurich, Switzerland. Two-stroke internal combustion engine. 2,140,454; Dec. 13.

Howard, Howell H., deceased, Dayton, Ohio; L. H. Howard, executrix. Polo mallet. 2,140,383; Dec. 13.

Howard, Loretta H., executrix. (See Howard, Howell H.)

Howell, Edward T., Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of dyestuffs of the dibenzanthrone series. 2,140,455; Dec. 13.

Howell, Joseph C., Fort Lee, N. J. Arch support. 2,140,013; Dec. 13.

Hubbell, John P. (See Breyer, F. G., and Hubbell.)

Huebner, William C., New York, N. Y. Making photographic exposures. 2,139,956; Dec. 13.

Huffman, Russell I., Dover, Ohio, assignor to Knapp-Monarch Company, St. Louis, Mo. Handle. 2,140,157; Dec. 13.

Hume Steel Limited. (See Hume, Walter R., assignor.)

Hume, Walter R., assignor to Hume Steel Limited, Melbourne, Victoria, Australia. Machine for trimming and/or beveling the edges of metal plates. 2,140,384; Dec. 13.

Hunt, Francis C., London, England. Rolling pin for rolling and aerating dough. 2,139,825; Dec. 13.

Hunt, George H., and E. H. Berno, Detroit, Mich., assignors to Borg-Warner Corporation. Brake mechanism. 2,140,385; Dec. 13.

Hunt, Rodney, Machine Company. (See Carpenter, John S., assignor.)

Hunt, Seymour, Jackson Heights, Long Island, N. Y., assignor to Radio Corporation of America. Radio receiving system. 2,140,108; Dec. 13.

Huntley, Lee E., Bellevue, Nebr. Fish pole holder. 2,139,826; Dec. 13.

Hurtt, William T., Wilkinsburg, and F. G. Bannerot, Pittsburgh, Pa. Lubricating and cooling system for rolling mills. 2,140,289; Dec. 13.

Huttig Sash & Door Company. (See Trammell, Earl M., assignor.)

Hydril Company. (See Stone, Albert L., assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Fikentscher, H., and Heuck, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Noack, E., and Schubert, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Vogel, Friedrich, assignor.)

Iasillo, Casper, assignor to J. Gans, doing business under firm name Empire Brush Works, Port Chester, N. Y. Broom connecter. 2,140,014; Dec. 13.

Iconograph Company. (See Holmes, D. H., Burgner, and Ewing, assignors.)

Imperial Chemical Industries Limited. (See Crawford, J. W. C., and McGrath, assignors.)

Imperial Chemical Industries Limited. (See Strouts, Charles R. N., assignor.)

Industrial Patents Corporation. (See Cadwell, Leon L., assignor.)

Industrial Patents Corporation. (See Harschnek, Robert A., assignor.)

Industrial Patents Corporation. (See McKee, Harry H., assignor.)

Industrial Patents Corporation. (See Reeve, Rex W., assignor.)

Industrial Patents Corporation. (See Walter, Charles T., assignor.)

Industrial Patents Corporation. (See Wickliffe, John K., assignor.)

Inskeep, Harry V., Fanwood, N. J., assignor to The Linde Air Products Company. Cutting composite metal bodies. 2,139,957; Dec. 13.

International Seal and Knot Protector Co., The. (See Keidel, Frank, assignor.)

Irving, Henry F. (See Williams, F. E., and Irving.)

Jackson, Ernest A., assignor of one-half to Gilbert Gilkes & Gordon Limited, Kendal, England. Water turbine. 2,140,230; Dec. 13.

Jacobs, F. L., Company. (See Eisenhauer, Warren F., assignor.)

Jacobs, John L., executor. (See Reinstein, Maurice.)

Jaenicke, Johannes. (See Benzing, E., and Jaenicke.)

Jarvis, Frank L., Chicago, Ill. Envelope. 2,139,958; Dec. 13.

Jasper, Cora L., assignor to The La Resista Corset Company, Bridgeport, Conn. Garment. 2,140,290; Dec. 13.

Jefferis, Alice, Washington, D. C. Finger-supported holder for nail polish. 2,140,231; Dec. 13.

Jeffrey Manufacturing Company, The. (See Haworth, Mack E., assignor.)

Jeffrey Manufacturing Company, The. (See Levin, Nils D., assignor.)

Jenkins, Glenn L., Baltimore, Md., assignor to Pitman-Moore Company, Indianapolis, Ind. Calcium compound and composition suitable for hypocalcemia alleviation. 2,140,291; Dec. 13.

Jennings, Irving C., South Norwalk, Conn. Control mechanism for steam heating systems. 2,140,079; Dec. 13.

Jennings, O. D., and Company. (See Van Tuyl, Sidney E., assignor.)

Jennings, Oliver S., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,140,360; Dec. 13.

Jensen, Jens, Philadelphia, Pa. Air or gas controlling valve. 2,140,292; Dec. 13.

Johnson, Alfred E., Alliance, Ohio. Combined curtain and shade. 2,140,080; Dec. 13.

Johnson, Alvin O., Chicago, Ill., assignor to Meyercord Company. Machine for attaching decalcomania films about cylindrical objects. 2,140,186; Dec. 13.

Johnson, Glen F., Detroit, assignor, by mesne assignments, to Chrysler Corporation, Highland Park, Mich. Lapping conical surfaces. 2,139,896; Dec. 13.

Johnson Metal Products Company. (See Kaemmerling, Gustav H., assignor.)

Johnson, Truman. (See Anderson, J. K., and Johnson.)

Johnson, Wilfred G., assignor to The Colson Corporation, Elyria, Ohio. Caster. 2,140,403; Dec. 13.

Johnston, Charles F., Oakland, Calif. Piston expander. 2,140,133; Dec. 13.

Johnstone, Henry F., and A. D. Singh, Urbana, assignors, by mesne assignments, to Commonwealth Edison Company, Chicago, Ill. Combined cooler and scrubber. 2,139,827; Dec. 13.

Jones, Benjamin W., Schenectady, N. Y., assignor to General Electric Company. Control system. 2,140,386; Dec. 13.

Joslin, Lawrence S., Braintree, Mass. Vehicle. 2,140,053; Dec. 13.

Juchter, Pieter, Scotia, N. Y., assignor to General Electric Company. Photoelectric relay apparatus. 2,140,387; Dec. 13.

Kaemmerling, Gustav H., assignor to Johnson Metal Products Company, Erie, Pa. Closure for receptacles. 2,140,456; Dec. 13.

Kalio, Inc. (See Lieberknecht, Karl R., assignor.)

Kandyba, Julius, Berlin, Germany. Method and apparatus for examining the compression and the ignition of internal combustion engines by means of a small illuminating tube. 2,139,828; Dec. 13.

Kane & Roach, Inc. (See Kane, William E., assignor.)

Kane, William E., assignor to Kane & Roach, Inc., Syracuse, N. Y. Feed table for wrapping and pinch-type bending rolls. 2,140,404; Dec. 13.

Kantor, James, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Bottle filling and gassing machine. 2,140,187; Dec. 13.

Karrer, Sebastian. (See Betz, P. L., and Karrer.)

Kauffman, Roy D., Washington, D. C. Crane. 2,139,960; Dec. 13.

Kaufman, Charles A., assignor to Julius Kayser & Co., New York, N. Y. Hosiery and making the same. 2,139,755; Dec. 13.

Kaufman, Joseph, New York, N. Y. Window guard. 2,140,015; Dec. 13.

Kautter, Wolfgang, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Wave meter. 2,140,016; Dec. 13.

Kayser, Julius, & Co. (See Kaufman, Charles A., assignor.)

Keeney, Bert L., Princeton, Ky. Article handling device. 2,140,427; Dec. 13.

Keidel, Frank, assignor to The International Seal and Knot Protector Co., New York, N. Y. Seal. 2,140,320; Dec. 13.

Kellar, Fred A., Stockton, Calif. Booster drive for truck trailers. 2,140,109; Dec. 13.

Kelsey-Hayes Wheel Company. (See Le Jeune, F. H., and Copeland, assignors.)

Kern, Frank J., Brooklyn, N. Y. Single and double cast-off knitting machine. 2,139,756; Dec. 13.

Kessler, Dorothy M., assignor to M. Redfield, Chicago, Ill. Hand protector. 2,139,897; Dec. 13.

Kessler, George A., and M. Blumer, Butler, Pa., assignors to L. Sonneborn Sons, Inc. Purification of petroleum mahogany sulphonates. 2,140,263; Dec. 13.

Keyes, John J., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Stop control means for core wrapping machines. 2,140,361; Dec. 13.

Kidwell, John C., Fairmont, and R. A. Poland, Morgantown, W. Va. Multipiece brake shoe. 2,140,081; Dec. 13.

Kietz, Adolph, et al. (See Decker, George, assignor.)

Kingham, Charles H., Louisville, Ky. Retractable landing gear. 2,140,264; Dec. 13.

Kingsbury Machine Tool Corporation. (See Foster, Benjamin N., assignor.)

Kinsel, Anton. (See Breth, F. W., and Kinsel.)

Kintzing, Reese T., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Thermal relay. 2,140,362; Dec. 13.

Kirby, Gustavus T. (See Day, H. I., and Ellsworth, assignors.)

Kleid, Peter, San Francisco, Calif. Sediment remover. 2,139,961; Dec. 13.

Kleinert, I. B., Rubber Company. (See Simon, Max, assignor.)

Klinger, Norman, Cleveland, Ohio. Game apparatus. 2,140,082; Dec. 13.

Knapp, Andrew S., assignor to Knapp-Monarch Company, St. Louis, Mo. Electrical appliance. 2,140,158; Dec. 13.

Knapp-Monarch Company. (See Huffman, Russell I., assignor.)

Knapp-Monarch Company. (See Knapp, Andrew S., assignor.)

Knapp-Monarch Company. (See Smith, Howard A., assignor.)

Knight, John B., Sr., Tampa, Fla. Protector tray. 2,140,232; Dec. 13.

Knoll, Max, assignor to Telefunken Gesellshaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Cathode ray tube. 2,139,683; Dec. 13.

Knoll, Max, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Cathode ray tube. 2,139,684; Dec. 13.

Knoll, Max, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Cathode ray tube. 2,139,829; Dec. 13.

Knowland, Richard G., Pelham, N. Y., and J. N. Dow, Springfield, Mass., assignors to Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn. Floor covering or rug. 2,140,457; Dec. 13.

Knoyle, Melvin R., Butte, Mont. Neckwear. 2,139,959; Dec. 13.

Knudsen, Hans, Streatham, England. Telephotographic apparatus and the like. 2,140,233; Dec. 13.

Knudson, Wilfred T., Montrose, S. Dak. Corn harvester. 2,139,962; Dec. 13.

Koch, Gustav H., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Fan construction. 2,140,017; Dec. 13.

Kock, Winston E., assignor to The Baldwin Company, Cincinnati, Ohio. Stabilization of oscillation generator. 2,139,898; Dec. 13.

Kühler, Hermann, and K. Petzoldt, Chemnitz/-Saxony, Germany. Double-shed loom. 2,140,134; Dec. 13.

Kolb, Otto K. (See Poulsen, A., Kolb, Pratt, and Boston.)

Kolb, Otto K., Chiswick, London, and W. J. Rickets, Edgware, assignors to British Acoustic Films, Ltd., London, England. Sound reproducing device of the pneumatic relay type. 2,140,293; Dec. 13.

Kommrusch, Frederick G., Milwaukee, Wis. Stocking boarding machine. 2,140,321; Dec. 13.

Kopmann, Wilhelm, Berlin-Lankwitz, Germany. Baker's mold. 2,139,830; Dec. 13.

Kovalsky, Joseph F., Turtle Creek, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulating apparatus. 2,140,363; Dec. 13.

Kristal, Robert M. (See Moffatt, William H., assignor.)

Kuipers, Minne, and H. G. Boumeester, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Electron discharge device. 2,139,757; Dec. 13.

Kuskin, David, New York, assignor, by mesne assignments, to Trico Products Corporation, Buffalo, N. Y. Suction motor. 2,140,458; Dec. 13.

Kwikon Company. (See Fralick, Syles R., assignor.)

La Ferney, Delbert, Pine Bluff, Ark. Machine for cracking nuts. 2,140,428; Dec. 13.

Laffey, Phillip A., Oshkosh, Wis. Glockenspiel attachment. 2,140,429; Dec. 13.

Laico, Joseph P., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,139,685; Dec. 13.

Lambert, Raymond H. (See Sheppard, S. E., Houck, and Lambert.)

Lamer, Louis, New York, N. Y. Molding. 2,140,234; Dec. 13.

Landsiedel, Walter W., Norwood, Ohio, assignor to Remington Rand Inc., Buffalo, N. Y. Noise reducing device for adding machines and the like. 2,140,135; Dec. 13.

Lange, Hans. (See Wingler, A., Ohlendorf, and Lange.)

Langstaff, John E., New York, N. Y. Boat hull. 2,139,831; Dec. 13.

Lansing, Raymond P., Montclair, assignor to Eclipse Aviation Corporation, East Orange, N. J. Engine starting apparatus. 2,140,083; Dec. 13.

Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira Heights, N. Y. Engine starting mechanism. 2,140,405; Dec. 13.

La Resista Corset Company, The. (See Jasper, Cora L., assignor.)

Larsen, Bernard M. (See Shenk, W. E., and Larsen.)

Larson, Carl H., Elkhart, Ind., assignor to The Adlake Company. Electric hand lantern. 2,140,159; Dec. 13.

Lasker, William W., Brooklyn, assignor to Remington Rand Inc., Buffalo, N. Y. Tabulating machine. 2,140,136; Dec. 13.

Lautz, Carl F. (See Peo, R. F., Lautz, and Magrum.)

Leason, James C. L., Gardenvale, assignor to H. V. McKay Massey Harris Proprietary Limited, Sunshine, Victoria, Australia. Flexible power transmission drive. 2,139,963; Dec. 13.

Leatherman, Martin, Hyattsville, Md., dedicated to the free use of the Public in the territory of the United States of America. Manufacturing an elastic porous, and compressible product. 2,140,265; Dec. 13.

Le Bus, Frank L., Oklahoma City, Okla. Depth measuring device for oil well equipment. 2,139,899; Dec. 13.

Lederle, Ekbert, Ludwigshafen, M. Günther, Mannheim, and R. Brill, Heidelberg, Germany. White pigment. 2,139,686; Dec. 13.

Lederle, Ekbert, Ludwigshafen, M. Günther, Mannheim, and R. Brill, Heidelberg, Germany. White pigment. 2,140,235; Dec. 13.

Lederle, Ekbert, Ludwigshafen, M. Günther, Mannheim, and R. Brill, Heidelberg, Germany. Pigment. 2,140,236; Dec. 13.

Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Combined body and chassis underframe. 2,140,476; Dec. 13.

Lee, Reuben, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Radio frequency wattmeter. 2,140,364; Dec. 13.

Leeberg, Edward, Roselle, N. J. Turf fork. 2,140,266; Dec. 13.

Lehon Company, The. (See Graham, George H., assignor.)

Leibing Automotive Devices, Incorporated. (See Leibing, William E., assignor.)

Leibing, William E., assignor to Leibing Automotive Devices, Incorporated, Detroit, Mich. Governor for internal combustion engines. 2,139,832; Dec. 13.

Leitner, Franz, Kapfenberg, Steiermark, Austria. Welding wire for carbon electrode arc welding. 2,140,237; Dec. 13.

Leitner, Franz, Kapfenberg, Steiermark, Austria. Welding wire for electric arc welding. 2,140,238; Dec. 13.

Le Jeune, Frank H., and J. E. Copeland, assignors to Kelsey-Hayes Wheel Company, Detroit, Mich. Forming rims of nonsymmetrical cross-sectional contour. 2,139,833; Dec. 13.

Lenehan, Bernard E., Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Small synchronous motor. 2,140,365; Dec. 13.

Leonard, Joseph E., Berkeley, assignor to Hammer-Bray Company, Ltd., Oakland, Calif. Combination heating and cooking range. 2,140,110; Dec. 13.

Lever Brothers Company. (See Andersen, Carl N., assignor.)

Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Portable loading machine. 2,139,834; Dec. 13.

Levine, Arthur A., and O. W. Cass, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dielectric liquids. 2,139,964; Dec. 13.

Levine, Gabriel, West Hartford, Conn. Fuel reservoir. 2,140,018; Dec. 13.

Lewis, Arthur J., Stratford, assignor to The Baird Machine Company, Bridgeport, Conn. Positioning device. 2,140,019; Dec. 13.

Lewis, Arthur W., Elizabeth, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Lubricant and lubrication therewith. 2,139,758; Dec. 13.

Lewis, Edward, Chicago, Ill. Removable door handle guard. 2,140,239; Dec. 13.

Lewis, Jack C. (See Taylor, Edgerton F., assignor.)

Libbey-Owens-Ford Glass Company. (See Drake, John L., assignor.)

Lieberknecht, Karl R., Oberlungwitz, Germany. Device for regulating the length of the loops in straight bar knitting machines. 2,140,240; Dec. 13.

Lieberknecht, Karl R., Oberlungwitz, Germany, assignor to Kalio, Inc., New York, N. Y. Knitting machine. 2,140,366; Dec. 13.

Lilly, Eli, and Company. (See Stuart, Elmer H., assignor.)
Linde Air Products Company, The. (See Inskeep, Harry V., assignor.)
Lindenberg, Wilhelm, Stuttgart, Germany, assignor to Eastman Kodak Company, Rochester, N. Y. Double exposure prevention camera. 2,139,759; Dec. 13.
Linker, Abraham B., Brooklyn, N. Y. Match package. 2,140,241; Dec. 13.
Liquid Carbonic Corporation, The. (See Kantor, James, assignor.)
Little, Edward, Saginaw, Mich. Meat tenderer. 2,140,160; Dec. 13.
Ljungstrom, Olof, Detroit, Mich., assignor, by mesne assignments, to The Power Transmission Company, Incorporated. Hydraulic transmission system. 2,139,965; Dec. 13.
Loebell, Maurice A., Zanesville, Ohio. X-ray apparatus. 2,139,966; Dec. 13.
Loeffler, Albert, New York, N. Y. Reversible tooth brush. 2,140,294; Dec. 13.
Logan Gear Company, The. (See Snell, Samuel A., assignor.)
Lohmann, Oscar F., Tenafly, N. J. Marking fabrics. 2,139,835; Dec. 13.
Lomnes, Bert H., Armena, Alberta, Canada. Binder platform. 2,140,054; Dec. 13.
London, Aaron, Brooklyn, N. Y. Frozen confection and making same. 2,139,836; Dec. 13.
Lonskey, John H., assignor to Central Specialty Co., Ypsilanti, Mich. Woodworking machine. 2,140,322; Dec. 13.
Lonskey, John H., assignor to Central Specialty Co., Ypsilanti, Mich. Woodworking machine. 2,140,323; Dec. 13.
Loose-Wiles Biscuit Company. (See Darragh, John K., assignor.)
Löschе, Hanns, Bad Oeynhausen, Germany. Process and apparatus for the continuous production of warm air or gases, for drying and other convenient purposes. 2,139,760; Dec. 13.
Lott, William A., East Orange, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Cinnamamids. 2,139,687; Dec. 13.
Louisiana Oil Refining Corporation. (See Crittenden, Butler P., assignor.)
Lowry, Erwin F., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermionic cathode. 2,140,367; Dec. 13.
Lucas, Paul J., Shamokin, Pa. Oil filter. 2,140,388; Dec. 13.
Lum, Walter O., Schenectady, N. Y., assignor to General Electric Company. Zone heating. 2,140,389; Dec. 13.
Lundteigen, Andrew, Jr. (See Frolich, A. K., and Lundteigen.)
Lunge, George S., Schenectady, N. Y., assignor to General Electric Company. Speed responsive means. 2,140,390; Dec. 13.
Lyle, Frederick W., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Radio receiver. 2,140,368; Dec. 13.
Lynch, John P., Somerset, Mass. Gripping tool. 2,140,430; Dec. 13.
Lyon, George A., Allenhurst, N. J., assignor to Lyon Incorporated, Detroit, Mich. Ornamental fender skirt. 2,139,901; Dec. 13.
Lyon, Geoge A., Detroit, Mich. Ornamental wheel disk. 2,139,900; Dec. 13.
Lyon Incorporated. (See Lyon, George A., assignor.)
Lyle, Jesse L., Danville, Va. Bunch builder and safety latch. 2,140,084; Dec. 13.
Lynn, Ethel P., administratrix. (See Allen, E. M., and Lynn.)
Lynn, George M. (See Allen, E. M., and Lynn.)
Lysholm, Alf, assignor to Aktiebolaget Ljungstroms Angturbin, Stockholm, Sweden. Hydraulic power drive. 2,140,324; Dec. 13.
Macaluso, Joe, New York, N. Y. Air agitator for bench machine operators. 2,139,761; Dec. 13.
MacCormack, John G., New York, N. Y. Oil filter. 2,140,020; Dec. 13.
Macdonald, Aeneas, Evanston, Ill. Liquid fuel burner. 2,140,088; Dec. 13.
MacEwing, Eugene D. (See Holmes, D. H., Burgner, and MacEwing.)
MacFarland, L. W., et al. (See Murray, Ernest E., assignor.)
Mackenzie-Kennedy, Chessborough, J. H., New York, N. Y. Toilet article case. 2,139,688; Dec. 13.
Madge, Evelyn W. (See Murphy, E. A., and Madge.)
Magnavox Company, The. (See Clark, Richard U., assignor.)
Magrum, Gervase M. (See Peo, R. F., Lautz, and Magrum.)
Maiben, Charles H., Logansport, Ind. Support. 2,139,837; Dec. 13.
Maina, Joseph, London, England, assignor to The Williams Rotary Engines Company Limited, Auckland, New Zealand. Combustion-products power plant. 2,140,085; Dec. 13.
Major, Forrest J., Ocean Park, Calif. Multifilament lamp. 2,139,762; Dec. 13.
Mäki, Vilho S. (See Myllyniemi, V. I., and Mäki.)
Mallard, Logan L., Norfolk, Va. Universal joint. 2,140,295; Dec. 13.
Mallen, Edward J., Davenport, Iowa. Package opener. 2,140,021; Dec. 13.
Malmgren, George, Santa Cruz, Calif. Analyzing cases. 2,139,902; Dec. 13.
Manley, Harold P., Niles Center, Ill. Short circuit tester for electronic tubes. 2,140,297; Dec. 13.
Manley, Lee L., assignor, by mesne assignments, to Hugh H. Eby, Inc., Philadelphia, Pa. Multiple switch. 2,140,296; Dec. 13.
Mannist, Milton. (See Dellenbarger, C. E., and Mannist.)
Marasco, Martin, Parlin, N. J., assignor to Du Pont Film Manufacturing Corporation, New York, N. Y. Moistureproofed film. 2,140,089; Dec. 13.
Marasco, Martin, Parlin, and E. B. Middleton, New Brunswick, N. J., assignors to Du Pont Film Manufacturing Corporation, New York, N. Y. Antistatic photographic film. 2,139,689; Dec. 13.
Marbon Corporation. (See Williams, F. E., and Irving, assignors.)
Marbon Corporation. (See Winkelmann, H. A., and Moffett, assignors.)
Marine Chemicals Company. (See Chesny, Heinz H., assignor.)
Markoe, John, et al. (See Weinberger, Galen E., assignor.)
Markowitz, Jerome, Allentown, Pa. Radio tube oscillator. 2,140,267; Dec. 13.
Marsh, Harry M., Hamilton, Ontario, Canada, assignor to The Bahnson Company, Winston-Salem, N. C. Atomizer head. 2,140,188; Dec. 13.
Marshall, Donald E., Clifton Allwood, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Sealed-off ignitron. 2,140,369; Dec. 13.
Martin, Alfred M., Park Ridge, Ill. Slip accounting means. 2,140,206; Dec. 13.
Martin, Alfred M., Park Ridge, Ill. Slip accounting means. 2,140,207; Dec. 13.
Martin, Edward J., East Chicago, Ind., assignor to Sinclair Refining Company, New York, N. Y. Sulphuric acid treatment of dewaxed petroleum stocks at low temperature. 2,140,161; Dec. 13.
Martin, Lawrence R., assignor to Eastman Kodak Company, Rochester, N. Y. Centrifugal governor. 2,139,763; Dec. 13.
Martin, William F., Forest Hills, N. Y. Imitation flower. 2,140,022; Dec. 13.
Martin, Winston F., Leicester, England. Pull-over, slip-over, and like garment. 2,140,406; Dec. 13.
Mason, Alfred E., and I. R. Sigman, San Francisco, Calif. Automatic weighing device. 2,139,903; Dec. 13.
Mason, William H., assignor to Masonite Corporation, Laurel, Miss. Momentary-pressure process of making ligno-cellulose products. 2,140,189; Dec. 13.
Masonite Corporation. (See Mason, William H., assignor.)
Massolle, Joseph. (See Engel, J., Massolle, and Vogt.)
Mathé, Juan G. (See Hipsley, George W., assignor.)
Mathot, Suzanne R. (See Dalotel, Maurice A., assignor.)
Maurer, Edwin R., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,139,764; Dec. 13.
Mayer, Harry F., Schenectady, N. Y., assignor to General Electric Company. Automatic selectivity control. 2,140,391; Dec. 13.
Mayer, Jerome M., assignor of one-half to P. A. Muir, Chicago, Ill. Tobacco pipe bowl scraper attachment. 2,139,838; Dec. 13.
Mayr, Otto. (See Biermanns, J., and Mayr.)
McAdoo & Allen Welting Company. (See Brown, William, assignor.)
McCall, Hugh W., Grand Island, Nebr. Emasculatome. 2,139,967; Dec. 13.
McCarthy, Francis V., et al., trustees. (See Simoneau, Charles B., assignor.)
McCluer, Wilbert B. (See Fenske, M. R., and McCluer.)
McConnell, Samuel V., and R. P. Olsson, Seattle, Wash. Wiener vending machine. 2,139,690; Dec. 13.
McElroy, John H., and E. J. Yeo, Pearl River, N. Y., and F. G. Binder, Philadelphia, Pa., assignors to Dexter Folder Company, New York, N. Y. Sheet feeder. 2,140,023; Dec. 13.
McGrath, James. (See Crawford, J. W. C., and McGrath.)
McKee, Harry H., assignor to Industrial Patents Corporation, Chicago, Ill. Meat cooking. 2,140,163; Dec. 13.
McKee, Harry H., assignor to Swift & Company, Chicago, Ill. Meat treating method. 2,140,162; Dec. 13.
McKinney, Robert S., Chevy Chase, Md.; dedicated to the free use of the People of the United States. Alkaloid compound. 2,139,839; Dec. 13.
McKissick, William H., Tulsa, Okla. Floor block. 2,140,086; Dec. 13.
McKone, Charles W., Washington, D. C. Making pneumatic tires. 2,139,840; Dec. 13.
McLachlan, Gordon L., Hazel, S. Dak. Clothes drainer. 2,139,968; Dec. 13.
McVeagh, Thomas C., Honolulu, Hawaii. Wheel securing device. 2,140,329; Dec. 13.
Mead Corporation, The. (See Ruff, Harold T., assignor.)
Meehan, Leroy W. (See Yaw, Carl F., assignor.)
Meng, Adolph P. (See Hamrock, F. J., Simonson, and Meng.)

Mennesson, Marcel L., assignor to "Société Anonyme Solex", Neuilly-sur-Seine, France. Regulating device for internal combustion engines. 2,139,841; Dec. 13.
Merkle, William S., St. Louis, Mo. Winding coils. 2,140,137; Dec. 13.
Merriam, Charles J. (See Hirschl, M. A., and Merriam.)
Merrill, Frank H., Los Angeles, Calif. Applicator for hair and scalp tonics or the like. 2,139,904; Dec. 13.
Merritt, Frank R., Haverhill, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for increasing the flexibility of soles. 2,139,765; Dec. 13.
Merté, Willy, assignor to the firm Carl Zeiss, Jena, Germany. Photographic objective. 2,140,024; Dec. 13.
Meyercord Company, The. (See Johnson, Alvin O., assignor.)
Meyrick, Harold A., Chicago, Ill. Tiled wall. 2,139,905; Dec. 13.
Michal, Charles J., Jr., Hinsdale, Ill. Machine gun. 2,139,691; Dec. 13.
Middleton, Edmund B. (See Marasco, M., and Middleton.)
Midland Steel Products Company, The. (See Riemenschneider, Ernest, assignor.)
Miessner, Benjamin F., Millburn Township, N. J. Method and apparatus for the production of music. 2,140,025; Dec. 13.
Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Film winding mechanism. 2,140,445; Dec. 13.
Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Focal plane shutter. 2,140,446; Dec. 13.
Mikeska, Louis A., and C. A. Cohen, Elizabeth, N. J., assignors to Standard Oil Development Company. Mineral oil stabilizing agent and composition containing same. 2,139,766; Dec. 13.
Miller, Albert H., Bayside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impulse transmitter. 2,140,138; Dec. 13.
Miller, Arthur W., Milwaukee, Wis. Lock. 2,139,842; Dec. 13.
Miller, Robert J., and M. C. Dunrud, Chicago, Ill.; said Dunrud assignor to said Miller. Butter dispenser. 2,140,242; Dec. 13.
Miller, Rudolph W., Winona, Minn. Lubricator locating device. 2,139,692; Dec. 13.
Miller, Stuart P., Scarsdale, assignor to The Barrett Company, New York, N. Y. Apparatus for coating interior surfaces of tubular structures. 2,140,298; Dec. 13.
Mills, Eugene C., Berkeley, Calif. Converting gaseous hydrocarbons into liquid hydrocarbons. 2,139,969; Dec. 13.
Minkel, Frank J., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Safety fixture. 2,140,477; Dec. 13.
Minneapolis-Honeywell Regulator Company. (See Denison, Frederick S., assignor.)
Minneapolis-Honeywell Regulator Company. (See Grant, Arthur C., assignor.)
Minneapolis-Honeywell Regulator Company. (See Turner, John, assignor.)
Minster Machine Company, The. (See Wissman, Reuben E., assignor.)
Miskovsky, Anton. (See Zimic, M., and Miskovsky.)
Mitsubishi Jukogyo Kabushiki, Kaisha. (See Sugihara, Shuichi, assignor.)
Moffatt, William H., Bergen County, N. J., assignor to R. M. Kristal, New York, N. Y. Hook coupling. 2,140,164; Dec. 13.
Moffett, Eugene W. (See Winkelmann, H. A., and Moffett.)
Molly, Hans, Karlsruhe, assignor to Zahnradfabrik Friedrichshafen Aktiengesellschaft, Friedrichshafen-on-the-Bodensee, Germany. Differential. 2,139,906; Dec. 13.
Moody, Warren L., and S. J. Wagar, assignors of one-third to R. L. Dombrower, Richmond, Va. Hair waving pad. 2,140,243; Dec. 13.
Moore, Fearon D., Glen Ridge, N. J. Binder. 2,139,843; Dec. 13.
Moore, Ralph E., Hattiesburg, Miss. Towing device. 2,139,970; Dec. 13.
Moore, William D. (See Gaston, C. D., and Moore.)
Moos, Joseph. (See Terres, E., Saegebarth, Moos, and Ramser.)
Morphew, David E., Roann, Ind. Spring wheel. 2,140,431; Dec. 13.
Morrison, Simon. (See Sundin, T., and Morrison.)
Morrison, Simon, New York, N. Y. Vanity case. 2,140,036; Dec. 13.
Morse, Robert V., Ithaca, N. Y. Pneumatic jack. 2,140,325; Dec. 13.
Morse, Robert V., Ithaca, N. Y. Cosmosarium. 2,140,326; Dec. 13.
Moss, Herbert H., Brooklyn, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Welded metal car and assembling same. 2,140,268; Dec. 13.
Mossback, William, Seattle, Wash. Tire grooving tool. 2,140,478; Dec. 13.
Motley, Lewis, Staines, England. Rotary crude oil burner. 2,140,244; Dec. 13.
Motor Research Corporation. (See Diamond, Paul S., assignor.)
Mould, William A., Loughborough Junction, Camberwell, London, England. Joke beer. 2,140,327; Dec. 13.
Mozier, Albert W., Plainfield, assignor, by mesne assignments, to Carrier Corporation, Newark, N. J. Valve construction. 2,140,328; Dec. 13.
Mueller Co. (See Mueller, Robert H., assignor.)
Mueller, Robert H., assignor to Mueller Co., Decatur, Ill. Rod joint or coupling. 2,140,245; Dec. 13.
Muir, Peter A. (See Mayer, Jerome M., assignor.)
Müller, Werner. (See Retter, W., Wahl, and Müller.)
Murden, William T., Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich. Antifriction bearing and seal. 2,140,091; Dec. 13.
Murphy, Edward A., and E. W. Madge, Birmingham, assignors to Dunlop Rubber Company Limited, London, England. Cellular rubber and making the same. 2,140,026; Dec. 13.
Murray Company, The. (See Blewett, John, assignor.)
Murray Corporation of America, The. (See Westrope, F. J., Haberstump, and Person, assignors.)
Murray, Ernest E., Long Island City, N. Y., assignor of one-fourth to J. W. Myers, Philadelphia, Pa., and one-half to L. W. MacFarland, Long Island City, N. Y. 2,140,208; Dec. 13.
Myers, Joseph W., and S. J. Roesch, Philadelphia, Pa., assignors to said J. W. Myers. Electrically operated cooking apparatus. 2,140,479; Dec. 13.
Myers, Joseph W., et al. (See Murray, Ernest E., assignor.)
Myllyniemi, Väinö I., and V. S. Mäki, Lappeenranta, Finland. Safety device for hydraulic brakes. 2,140,027; Dec. 13.
N. V. Philips Gloeilampenfabrieken. (See de Boer, J. H., and van Geel, assignors.)
N. V. Philips' Gloeilampenfabrieken. (See Kuipers, M., and Boumeester, assignors.)
Nabers, Samuel F., Birmingham, Ala. Phonograph needle. 2,140,392; Dec. 13.
Nadeau, Gale F., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Buffered photographic film. 2,139,767; Dec. 13.
Naiman, Julius M., Chicago, Ill. Determining the heat value of flowing fluids. 2,139,768; Dec. 13.
Nall, Clarence C. (See Powers, Paul H., assignor.)
National Aluminate Corporation. (See Fink, Gail J., assignor.)
National Aniline & Chemical Company. (See Punnett, Elton B., assignor.)
National Cash Register Company, The. (See Breitling, Ernst, assignor.)
National Cash Register Company, The. (See Breitling, E., and Wagner, assignors.)
National Cash Register Company, The. (See Ganger, Jesse R., assignor.)
National Lead Company. (See Espenschied, Helmut, assignor.)
National Machinery Company, The. (See Clouse, William L., assignor.)
Neely, Frank R., Allentown, Pa. Box. 2,139,845; Dec. 13.
Neville Company, The. (See Carmody, William H., assignor.)
Newell, Edwin H., assignor to H. Brinton Co., Philadelphia, Pa. Stop motion for knitting machines. 2,140,087; Dec. 13.
Newman, William J., Chicago, Ill. Method and apparatus for forming concrete foundation columns. 2,140,111; Dec. 13.
Nichols, Ellsworth J., Newark, N. J. Multiple form aligning device. 2,140,028; Dec. 13.
Nielsen, Sverre F., San Diego, and F. Bostad, Los Angeles, Calif. Building construction. 2,139,907; Dec. 13.
Noack, Erich, Odenthal, and F. Schubert, Leverkusen-Wiesdorf, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Heating of boron compounds. 2,140,029; Dec. 13.
Noble, F. H., & Co. (See Aanerud, Louis, assignor.)
Nomiya, Frank K., Berkeley, Calif. Storage battery water supply fountain. 2,140,432; Dec. 13.
North American Rayon Corporation. (See Bley, Rudolph S., assignor.)
Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Envelope machine. 2,140,112; Dec. 13.
Novocol Chemical Mfg. Co. (See Goldberg, Samuel D.)
Ohlendorf, Heinrich. (See Wingler, A., Ohlendorf, and Lange.)
Olsson, Robert P. (See McConnell, S. V., and Olsson.)
O'Neil, James H., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Apparatus for aligning the side seams of traveling can bodies. 2,140,246; Dec. 13.
Open Hearth Combustion Company. (See Danforth, George L., Jr., assignor.)
Oppenheimer, Milton, El Cajon, Calif. Manuscript holder. 2,140,090; Dec. 13.
Osborn, Howard H., assignor to H. G. Fischer & Co., Inc., Chicago, Ill. Timer. 2,139,908; Dec. 13.

Osborn, Perry H., Edgewood, and L. R. Harness, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Input loading characteristics of class B amplifiers. 2,140,370; Dec. 13.

Oslund, Oskar E. V., San Francisco, Calif. Scraper attachment. 2,139,769; Dec. 13.

Oualline, Jack K., Uvalde, Tex. Shearing machine. 2,139,846; Dec. 13.

Ow, Joseph W., Wilkinsburg, and E. K. Read, East Pittsburgh, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control apparatus. 2,140,371; Dec. 13.

Oxweld Acetylene Company. (See Dawson, Joseph R., assignor.)

Paillard, E., & Cie, S. A. (See Prezioso, Giuseppe, assignor.)

Paillard, Maurice. (See Wahl, A., and Paillard.)

Palmer, Alphonso T., assignor of one-half to L. P. Burch, Chicago, Ill. Rail anchor. 2,139,847; Dec. 13.

Park, George A., Lakewood, Ohio. Locked compartment. 2,139,909; Dec. 13.

Patten, Leslie A., Mankato, Minn. Stock licking salt block. 2,139,910; Dec. 13.

Patton, Winifred M., Chicago, Ill. Typewriter. 2,140,330; Dec. 13.

Paul, Masie, Juneau, Alaska. Oven door. 2,140,433; Dec. 13.

Pava, Jack R., Los Angeles, Calif. Arch support. 2,139,971; Dec. 13.

Pazdernick, William, Freedom, Mo. Automatic tube closure. 2,140,247; Dec. 13.

Peiler, Karl E., and W. T. Barker, Jr., West Hartford, assignors to Hartford-Empire Company, Hartford, Conn. Forehearth for molten glass. 2,139,770; Dec. 13.

Peiler, Karl E., and W. T. Barker, Jr., West Hartford, assignors to Hartford-Empire Company, Hartford, Conn. Forehearth for molten glass. 2,139,911; Dec. 13.

Pelayo, Pastor R. (See Garcia, Nestor, assignor.)

Pelkus, Henry L., Jr. (See Pelkus, Leo C. and H. L.)

Pelkus, Leo C. and H. L., Jr., Boston, Mass. Dental fluoroscopic instrument. 2,140,269; Dec. 13.

Pennow, Willis A., Lakewood, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrode feed mechanism for searchlights. 2,140,372; Dec. 13.

Pennsylvania Petroleum Research Corporation. (See Fenske, M. R., and McCluer, assignors.)

Pennsylvania Railroad Company, The. (See Hill, Ernest R., assignor.)

Peo, Ralph F., C. F. Lantz, and G. M. Magrum, assignors to Houde Engineering Corporation, Buffalo, N. Y. Hydraulic shock absorber valve structure. 2,139,912; Dec. 13.

People in the territory of the United States of America, Dedicated to the free use of the. (See Rose, W. G., and Haller.)

People of the United States, Free use of the. (See McKinney, Robert S.)

People of the United States of America, Dedicated to the free use of the. (See Whittier, E. O., and Gould.)

Perkins, Karl D., Providence, R. I. Ventilating enclosures. 2,140,055; Dec. 13.

Person, Alfred. (See Westrope, F. J., Haberstump, and Person.)

Petzoldt, Karl. (See Köhler, H., and Petzoldt.)

Phillips, Eli W. (See Sheehan, T., and Phillips.)

Pieper, Alphonse F., et al. (See Ries, Edward J., assignor.)

Pieper, Oscar H., et al. (See Ries, Edward J., assignor.)

Pieper, Oscar H., Rochester, N. Y. Regulator apparatus for X-ray machines. 2,140,299; Dec. 13.

Pilling, Charles J., Lansdowne, and B. L. Gordon, Jr., assignors to The George P. Pilling & Son Company, Philadelphia, Pa. Surgical decompression apparatus. 2,140,113; Dec. 13.

Pilling, George P., & Son Company, The. (See Pilling, C. J., and Gordon, assignors.)

Piper, Frederick, Portland, Oreg. Window lock and alarm. 2,139,848; Dec. 13.

Piro, Philip J., assignor of one-half to A. J. Austin, New Orleans, La. Figure toy. 2,140,056; Dec. 13.

Piron, Emil H., assignor to Transit Research Corporation, New York, N. Y. Hand brake linkage. 2,140,114; Dec. 13.

Pitman-Moore Company. (See Jenkins, Glenn L., assignor.)

Pitney-Bowes Postage Meter Co. (See Rouan, Francis J., assignor.)

Pittsburgh Plate Glass Company. (See Allen, E. M., and Lynn, assignors.)

Plitt, Albert F., Canton, Ohio. Detachable handle. 2,140,165; Dec. 13.

Poland, Richard A. (See Kidwell, J. C., and Poland.)

Poole, Samuel A. (See Dixon, Fate, assignor.)

Poor & Company. (See Armstrong, Victor C., assignor.)

Potter, Frank M., Rome, assignor to General Cable Corporation, New York, N. Y. Electric cable. 2,140,270; Dec. 13.

Poulsen, Arnold, Charlottenlund, near Copenhagen, Denmark, and O. K. Kolb, A. S. Pratt, and D. W. Boston, assignors to British Acoustic Films Limited, London, England. Photographic sound record and recording. 2,140,300; Dec. 13.

Power Transmission Company, The. (See Ljungstrom, Olof, assignor.)

Powers, Paul H., assignor of one-half to C. C. Nall, Chickasaw, Ala. Carrier. 2,139,849; Dec. 13.

Pratt, Albert S. (See Poulsen, A., Kolb, Pratt, and Boston.)

Pratt, Edward J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic device. 2,140,139; Dec. 13.

Prezioso, Giuseppe, assignor to E. Paillard & Cie, S. A., Yverdon, Switzerland. Portable typewriter. 2,140,092; Dec. 13.

Procter & Gamble Company, The. (See Faulkner, Seymour, assignor.)

Punnett, Elton B., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Recovery of maleic anhydride. 2,140,140; Dec. 13.

R. K. O. Studios, Inc. (See Cunningham, Harry G., assignor.)

Rabkin, William, New York, N. Y. Strength testing machine. 2,140,331; Dec. 13.

Rabkin, William, New York, N. Y. Strength testing machine. 2,140,332; Dec. 13.

Radio Condenser Company. (See Weiss, Melvin V., assignor.)

Radio Corporation of America. (See Brailsford, Joseph D., assignor.)

Radio Corporation of America. (See Clarke, Herbert A., assignor.)

Radio Corporation of America. (See Falloon, Shirley W. H. W., assignor.)

Radio Corporation of America. (See Hunt, Seymour, assignor.)

Radio Corporation of America. (See Roberts, Walter V., assignor.)

Radio Corporation of America. (See Seeley, Stuart W., assignor.)

Radio Corporation of America. (See Smalts, Franklin W., assignor.)

Radio Corporation of America. (See Travis, Charles, assignor.)

Ramser, Hans. (See Terres, E., Saegebarth, Moos, and Ramser.)

Ramsey, Clifford H., Glen Rock, N. J. Tensioning device. 2,139,913; Dec. 13.

Randall, Harry and W., Chicago, Ill. Automobile towing device. 2,139,693; Dec. 13.

Randall, William. (See Randall, Harry and W.)

Ranoe, Matthew O., Minneapolis, Minn. Optical fusionmeter. 2,139,850; Dec. 13.

Raymond, Gwynne, and L. E. Young, assignors to Black, Sivalls & Bryson, Inc., Oklahoma City, Okla. Tank. 2,139,914; Dec. 13.

Read, Ernest K. (See Ow, J. W., and Read.)

Reconstruction Finance Corporation. (See Erbe, Ralph R., assignor.)

Reda Pump Company. (See Arutunoff, Armais, assignor.)

Redcay, Paul W., Hyde Park, Pa. Radio circuit. 2,140,141; Dec. 13.

Redfield, Mary. (See Kessler, Dorothy M., assignor.)

Reeve, Rex W., Palos Park, assignor to Industrial Patents Corporation, Chicago, Ill. Treatment of sausages. 2,140,166; Dec. 13.

Regester, Ramsay G., assignor to Gill Glass & Fixture Company, Philadelphia, Pa. Sign. 2,140,301; Dec. 13.

Reichstein, Tadeus, Zurich, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. 3-keto-D-pentonic acid lactone and the manufacture of same. 2,140,480; Dec. 13.

Reid, Henry J. E., and R. V. Rhode, Hampton, Va. Air speed acceleration recorder. 2,139,694; Dec. 13.

Reinstein, Maurice, deceased, San Francisco; J. L. Jacobs, executor, assignor, by mesne assignments, to Food Machinery Corporation, San Jose, Calif. Pear peeling, coring, and splitting machine. 2,139,695; Dec. 13.

Reis, Arthur M., assignor to Robert Reis & Co., New York, N. Y. Man's undergarment. 2,140,459; Dec. 13.

Reis, Robert, & Co. (See Reis, Arthur M., assignor.)

Reiter, Daniel L., New York, N. Y. Connecter for handle straps. 2,140,333; Dec. 13.

Reliance Electric and Engineering Company. (See Harrell, Fred E., assignor.)

Remington Rand Inc. (See Landsiedel, Walter W., assignor.)

Remington Rand Inc. (See Lasker, William W., assignor.)

Retter, Walther, Cologne-Deutz, O. Wahl, Leverkusen-I. G. Werk, and W. Müller, Cologne, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Color lakes. 2,140,248; Dec. 13.

Revertex Limited. (See Benzing, E., and Jaenicke, assignors.)

Rey, Henri D., Papeete, Tahiti, assignor to The Anglo California National Bank of San Francisco, trustee, San Francisco, Calif. Dried fruit process and product. 2,139,915; Dec. 13.

Reynolds, Lula E., et al., executors. (See Reynolds, Marvin C.)

Reynolds, Marvin C., deceased; The First National Bank of Chicago and L. E. Reynolds, executors, assignors to The Emulsol Corporation, Chicago, Ill. Treatment of egg material. 2,139,696; Dec. 13.

Rhinehalt, Hoy E., Paulding, Ohio. Inkstand. 2,140,057; Dec. 13.

Rhode, Richard V. (See Reid, H. J. E., and Rhode.)

Riblet, Robert M., assignor to The Timken Roller Bearing Company, Canton, Ohio. Automotive axle construction. 2,140,190; Dec. 13.

Rickets, William J. (See Kolb, O. K., and Rickets.)

Riddell, Sherrod, Springfield, Ill. Safety hand crank starter for engines. 2,140,030; Dec. 13.

Riemenschneider, Ernest, assignor to The Midland Steel Products Company, Cleveland, Ohio. Method and apparatus for welding. 2,139,771; Dec. 13.

Ries, Edward J., assignor to O. H. and A. F. Pieper, Rochester, N. Y. Voltage adjusting means for X-ray machines. 2,140,393; Dec. 13.

Rieske, Edward L., Dayton, Ohio. Automatic clutch coupling. 2,140,255; Dec. 13.

Rietveld, Harry, Milwaukee, Wis. Knife blade cleaner. 2,140,209; Dec. 13.

Ringe, William H., Berkeley, Calif. Traveling hoist. 2,139,772; Dec. 13.

Ritzert, Norman J. (See Freedlander, A. L., and Ritzert.)

Röber, Constantin F., assignor to "Universelle" Cigarettenmaschinenfabrik J. C. Mueller & Co., Dresden, Germany. Manufacture of cigars. 2,140,167; Dec. 13.

Roberts, Dudley, assignor to Rubatex Products, Inc., New York, N. Y. Expansion joint. 2,139,851; Dec. 13.

Roberts, Edward F., Rye, assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Shoe. 2,140,302; Dec. 13.

Roberts, Walter V., Princeton, N. J., assignor to Radio Corporation of America. Superheterodyne receiver. 2,140,115; Dec. 13.

Roesch, Stephen J. (See Myers, J. W., and Roesch.)

Rohn, Wilhelm, assignor to Heraeus-Vacuumschmelze A. G., Hanau-on-the-Main, Germany. Making steel. 2,139,853; Dec. 13.

Rokkjar, Christian, Sedro Woolley, Wash. Inverted piston pump. 2,139,972; Dec. 13.

Root, Joseph J., Jr., assignor to Union Tank Car Company, Chicago, Ill. Tool for applying dust guard caps to journal boxes. 2,140,334; Dec. 13.

Rose, Henry L., Victoria, British Columbia, Canada. Wheel. 2,140,168; Dec. 13.

Rose, William G., College Park, Md., and H. L. J. Haller, Washington, D. C.; dedicated to the free use of the People in the territory of the United States of America. Insecticide. 2,140,481; Dec. 13.

Rosen, Raphael, Cranford, and C. A. Cohen, Elizabeth, N. J., assignors to Standard Oil Development Company. Production of valuable products from petroleum hydrocarbons. 2,139,773; Dec. 13.

Rosenmund, Alfred L., Rockaway, N. J., assignor to Stapling Machines Co. Wire-severing mechanism. 2,140,169; Dec. 13.

Rossell, William T., Brooklyn, assignor to Transit Research Corporation, New York, N. Y. Combined seat frame and stanchion. 2,139,852; Dec. 13.

Rouan, Francis J., assignor to Pitney-Bowes Postage Meter Co., Stamford, Conn. Separator roller wear compensator. 2,140,170; Dec. 13.

Rouan, Francis J., assignor to Pitney-Bowes Postage Meter Co., Stamford, Conn. Feed and separator roller wear compensator. 2,140,171; Dec. 13.

Royer, Donald R., Agricola, Fla., assignor, by mesne assignments, to Swift and Company, Chicago, Ill. Vibrating screen. 2,140,172; Dec. 13.

Rubatex Products, Inc. (See Roberts, Dudley, assignor.)

Rubenstein, Harry J., and L. Talbot, Kansas City, Mo.; said Talbot assignor to said Rubenstein. Display rack. 2,140,116; Dec. 13.

Ruff, Harold T., assignor to The Mead Corporation, Chillicothe, Ohio. Preparing a starch enveloped mineral material. 2,140,394; Dec. 13.

Ruska, Ernst, Berlin-Zehlendorf, assignor to the firm of Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany. Deflection system for Braun tubes. 2,139,854; Dec. 13.

Russell, John J., Monahans, Tex. Drive head. 2,139,973; Dec. 13.

Russell, Robert C. (See Carlson, G. W., and Russell.)

Ruth, Rudolf R., Helsingfors, Finland. Shirt with detachable collar. 2,140,249; Dec. 13.

S. M. A. Corporation. (See Seibert, Howard F., assignor.)

Saegebarth, Erich. (See Terres, E., Saegebarth, Moos, and Ramser.)

Saint Genies, Anne H. J. D., Versailles, France. Apparatus for photography with or without color. 2,139,855; Dec. 13.

Salerni, Piero M. (See Boldt, W. F., and (Thomas, assignor).)

Salerni, Piero M., et al. (See Cox, J. C., Boldt, and (Thomas, assignor).)

Salerno Machinery Company. (See Brandt, John, assignor.)

Salfisberg, Leroy L., South Orange, assignor to Wrap-Ade Machine Company, Newark, N. J. Package fabricator. 2,140,117; Dec. 13.

Salzberg, Paul L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Thiourea derivatives. 2,139,697; Dec. 13.

Sangamo Electric Company. (See Greenwood, E., and Struck, assignors.)

Sanlin Offset Press Manufacturing Corporation. (See Aberle, Roy, assignor.)

Savage, Leonard G., South Farnborough, England. Pump, engine, and the like. 2,139,856; Dec. 13.

Sbicca, Frank, assignor to Sbicca-Method Shoes, Inc., Philadelphia, Pa. Making soles. 2,140,118; Dec. 13.

Sbicca-Method Shoes, Inc. (See Sbicca, Frank, assignor.)

Schenk, Eduard, Oakdale, Pa. Acoustic structure. 2,140,210; Dec. 13.

Schilling, Clarence L., Atlanta, Ga. Metal flashing. 2,140,407; Dec. 13.

Schlumpf, Albert, Zurich, Switzerland. Sailboat. 2,140,250; Dec. 13.

Schoen, Hermann K. (See Belaschk, A. O., and Schoen.)

Schoenrock, Otto R., Chicago, Ill. Bearing. 2,140,335; Dec. 13.

Schrader, Samuel B., Clyde, N. Dak. Turn indicator. 2,139,976; Dec. 13.

Schreiber, Lotte, New York, N. Y. Studio couch. 2,139,698; Dec. 13.

Schubert, Friedrich. (See Noack, E., and Schubert.)

Schuchardt, Hans, and G. Z. von Manteuffel, Berlin, Germany, assignors to Askania-Werke A. G. Gyromagnetic compass. 2,140,191; Dec. 13.

Schutte, August E., Northboro, Mass., assignor to A. B. Dick Company, Chicago, Ill. Duplicating. 2,140,482; Dec. 13.

Schutte, August E., Northboro, Mass., assignor to A. B. Dick Company, Chicago, Ill. Stencil. 2,140,483; Dec. 13.

Schwarcman, Alexander, assignor to Spencer Kellogg and Sons, Inc., Buffalo, N. Y. Production of synthetic drying oils. 2,140,271; Dec. 13.

Schwartz, Seymour E. and S. E., New York, N. Y. Tongue pad. 2,139,858; Dec. 13.

Schwartz, Solomon E. (See Schwartz, Seymour E. and S. E.)

Schwarz, Alfred, Montclair, N. J. Cylinder head for internal combustion engines. 2,139,977; Dec. 13.

Schwarz, Alfred, Montclair, N. J., assignor to The Economy Engineering Corporation, New York, N. Y. Cylinder head for internal combustion engines. 2,139,978; Dec. 13.

Schwarze, Paul, St. Gallen, Switzerland, assignor to Technik und Investment Aktiengesellschaft, Vaduz, Lichtenstein. Carding, cleaning, opening, and like machine for textile fibers. 2,139,859; Dec. 13.

Schwendeman, Joseph R., Moorhead, Minn. Educational device. 2,139,860; Dec. 13.

Score Corporation Limited. (See Bronstein, David E., assignor.)

Scott, Walter J., Washington County, Oreg. Amalgamator. 2,140,142; Dec. 13.

Scott, Winfield, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Preparing urea derivatives. 2,140,272; Dec. 13.

Sea Gull Lubricants, Inc. (See Wilkey, John E., assignor.)

Sears, Roebuck and Co., et al. (See Doyle, W. J., and Wollenhaupt, assignors.)

Sears, Sterling G., Garden City, assignor to Dictograph Products Company, Inc., New York, N. Y. Sound reproducing system. 2,140,032; Dec. 13.

Seeley, Stuart W., Jackson, Mich., assignor to Radio Corporation of America, New York, N. Y. Sound recording and reproducing system. 2,139,916; Dec. 13.

Segal, Hyman R., New York, N. Y. Skate. 2,139,699; Dec. 13.

Seibert, Howard F., Cleveland, Ohio, assignor, by mesne assignments, to S. M. A. Corporation, Jersey City, N. J. Preparing lactoflavin concentrates. 2,139,857; Dec. 13.

Sellers, William D., Glen Ellyn, and E. Babcock, Evanston, Ill., assignors to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,140,143; Dec. 13.

Sharpe, Ruth E., et al., executrices. (See Colvin, William, Jr.)

Shaw, Charles G., Omemee, Ontario, Canada. Tap sole blank. 2,140,211; Dec. 13.

Shaw, Robert J., and J. R. Slavsky, Detroit, Mich. Interchangeable sign. 2,140,033; Dec. 13.

Shawham, Sam F. (See Ashley, C. M., and Shawhan.)

Sheboygan Machine Company. (See Cook, March G., assignor.)

Sheehan, Thomas, and E. W. Philips, Anadarko, Okla. Cultivator attachment. 2,139,979; Dec. 13.

Sheldrick, Henry W., assignor to Collier-Keyworth Company, Gardner, Mass. Chair iron. 2,140,058; Dec. 13.

Shell Development Company. (See Bresler, Fritz, assignor.)

Shell Development Company. (See Yabroff, D. L., and Givens, assignors.)

Shenk, William E., East Orange, and B. M. Larsen, Elizabeth, N. J., assignors to United States Steel Corporation, New York, N. Y. Regenerative furnace reversing means. 2,139,861; Dec. 13.

Sheppard, Samuel E., R. C. Houck, and R. H. Lambert, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Sensitizing and hardening photographic emulsions. 2,139,774; Dec. 13.

Sherman, Alvin G., Grosse Pointe, Mich., assignor, by mesne assignments, to Borg-Warner Corporation. Cabinet stove and constructing and assembling. 2,140,408; Dec. 13.

Shesler, Laurence F., Yonkers, N. Y. Guide for valves for flush tanks. 2,139,862; Dec. 13.

Shennard, Harold W., Montclair, N. J. Multipart handrail for moving stairways. 2,140,034 ; Dec. 13.
Shoup, Ransom F., Ardmore, assignor to The Shoup Voting Machine Corporation, Philadelphia, Pa. Counter. 2,140,336 ; Dec. 13.
Shoup Voting Machine Corporation, The. (See Shoup, Ransom F., assignor.)
Siebert, G., Gesellschaft mit beschränkter Haftung. (See Henke, Hermann, assignor.)
Sigman, Ira R. (See Mason, A. E., and Sigman.)
Sigwald, Charles G., Minneapolis, Minn. Oil burner air control. 2,140,212 ; Dec. 13.
Silver, Walter H., assignor to Deere & Company, Moline, Ill. Agricultural implement. 2,140,144 ; Dec. 13.
Simmons Company. (See Woller, Edward E., assignor.)
Simon, Max, assignor to I. B. Kleinert Rubber Company, New York, N. Y. Girdle. 2,140,273 ; Dec. 13.
Simon, Morris, Los Angeles, Calif. Combination comforter and bedspread. 2,139,980 ; Dec. 13.
Simoneau, Charles B., Lynn, assignor to R. S. Taylor, Melrose, and F. V. McCarthy, Lynn, Mass., as trustees. Heat distribution for buildings. 2,139,775 ; Dec. 13.
Simonsen, Arntz, Hartford, Conn. Decanting mechanism. 2,140,059 ; Dec. 13.
Simonson, Elmer L. (See Hamrock F. J., Simonson, and Meng.)
Simpson, Ralph W., Warren, Ohio. Combustion device. 2,139,776 ; Dec. 13.
Sinclair Refining Company. (See Martin, Edward J., assignor.)
Singh, Alamjit D. (See Johnstone, H. F., and Singh.)
Sinn, Walter F., Ridgewood, Brooklyn, N. Y. Production of color printing plates. 2,139,917 ; Dec. 13.
Skok, Alois, and N. O. Binley, Pasadena, Calif. Electric and automatic fuel vaporizer. 2,139,777 ; Dec. 13.
Slack, Alfred D., and A. A. Young, assignors to Eastman Kodak Company, Rochester, N. Y. Antistatic photographic film. 2,139,778 ; Dec. 13.
Slavin, Harry W., Los Angeles, Calif. Typewriter action. 2,139,700 ; Dec. 13.
Slavsky, John R. (See Shaw, R. J., and Slavsky.)
Small, Horatio L. (See Hillers, C. E., and Small.)
Smalts, Franklin W., Audubon, N. J., assignor to Radio Corporation of America. Piezoelectric crystal mounting. 2,139,918 ; Dec. 13.
Smith, Charles L., San Diego, Calif. Propeller blade pitch regulator. 2,139,982 ; Dec. 13.
Smith, Howard A., assignor to Knapp-Monarch Company, St. Louis, Mo. Sadiron construction. 2,140,173 ; Dec. 13.
Smith, Lawrence C., Kenmore, assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Separator coil. 2,140,484 ; Dec. 13.
Smith, Phillip H., Rainbow Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Antenna accessory. 2,140,174 ; Dec. 13.
Smith, Sydney, assignor to Wellman Seaver Rolling Mill Company Limited, London, England. Manufacture of metal tubes and tubular articles. 2,140,434 ; Dec. 13.
Smithe, F. L., Machine Co. (See Novick, Abraham, assignor.)
Snell, Samuel A., Toledo, Ohio, assignor, by mesne assignments, to The Logan Gear Company. Mechanism control. 2,139,863 ; Dec. 13.
Snuggle Rug Company. (See Stephenson, Verne L., assignor.)
Société Anonyme des Matieres Colorantes & Produits Chimiques. (See Claudin, Jean, assignor.)
Société Anonyme des Matieres Colorantes & Produits Chimiques de Saint-Denis. (See Wahl, A., and Paillard, assignors.)
"Société Anonyme Solex." (See Mennesson, Marcel L., assignor.)
Solomon, Nathan L., Mount Vernon, N. Y. Hair curler. 2,139,844 ; Dec. 13.
Somes, Howard E., Detroit, Mich. Oven and system of ventilation therefor. 2,140,337 ; Dec. 13.
Sonneborn, L., Sons, Inc. (See Breth, F. W., and Kinsel, assignors.)
Sonneborn, L., Sons, Inc. (See Kessler, G. A., and Blumer, assignors.)
Southwell, Albert G., and F. L., South Tacoma, Wash. Gooseneck bicycle lock. 2,139,984 ; Dec. 13.
Southwell, Frank L. (See Southwell, Albert G. and F. L.)
Spaeth, Phil D., et al. (See Decker, George, assignor.)
Spencer Kellogg and Sons, Inc. (See Schwarzman, Alexander, assignor.)
Spencer, Philip L., assignor to Watson-Williams Manufacturing Company, Millbury, Mass. Loom shuttle. 2,140,060 ; Dec. 13.
Spencer, Philip L., and C. A. Dodge, assignors to Watson-Williams Manufacturing Company, Millbury, Mass. Heddle bar post. 2,140,061 ; Dec. 13.
Sperry Gyroscope Company. (See Carlson, Bert G., assignor.)
Sperry Gyroscope Company. (See Swisher, Leon N., assignor.)
Sproul, Donald F., Chicago, Ill., assignor to Cardwell-Westinghouse Company. Friction draft gear. 2,139,701 ; Dec. 13.
Squibb, E. R., & Sons. (See Lott, William A., assignor.)
Stancil, John P., Pine Lawn, Mo. Treatment of oiticica oil. 2,139,864 ; Dec. 13.
Standard Oil Company. (See Bransky, David W., assignor.)
Standard Oil Company. (See Wilson, R. R., Brown, and White, assignors.)
Standard Oil Development Company. (See Buc, Hyym E., assignor.)
Standard Oil Development Company. (See Mikeska, L. A., and Cohen, assignors.)
Standard Oil Development Company. (See Rosen, R., and Cohen, assignors.)
Standard-Trump Bros. Machine Company. (See Houseman, Wilbur L., assignor.)
Stapling Machines Co. (See Rosenmund, Alfred L., assignor.)
Starziczny, Josef, Copenhagen, Denmark. Rotary boiler and heat-exchanging apparatus. 2,140,175 ; Dec. 13.
Stauffer Chemical Company. (See Wallach, R. N., and (Zender, assignor).)
Steger, Werner H., Chicago, Ill. Hairpin holder. 2,140,251 ; Dec. 13.
Stelner Sales Company. (See Chidsey, Charles A., Jr., assignor.)
Stelzer, Benno, assignor to "Universelle" Cigarettenmaschinen-Fabrik J. C. Müller & Co., Dresden, Germany. Cigar shaping machine. 2,140,093 ; Dec. 13.
Stephenson, Verne L., assignor to Snuggle Rug Company, Goshen, Ind. Child's garment. 2,139,865 ; Dec. 13.
Sterba, Ernest J., Asbury Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Antenna system. 2,140,145 ; Dec. 13.
Sterling, Rufus T., San Antonio, assignor of thirty per cent to H. F. Hein, Bexar County, and twenty-five per cent to G. W. Cox, Travis County, Tex. Vaccinator. 2,140,409 ; Dec. 13.
Stewart, William. (See Forsythe, J. W., and Stewart.)
Stieber, Wilhelm G. O., Munich, Germany. Bearing. 2,140,435 ; Dec. 13.
Stiehl, Carl E., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Power shovel. 2,140,460 ; Dec. 13.
Stone, Albert L., Palos Verdes Estates, assignor to Hydril Company, Los Angeles, Calif. Back pressure plug valve. 2,139,983 ; Dec. 13.
Stratford, Charles W., assignor to Stratford Development Corporation, Kansas City, Mo. Refrigerating method and apparatus. 2,140,462 ; Dec. 13.
Stratford Development Corporation. (See Stratford, Charles W., assignor.)
Stratton, Lore L., Cincinnati, Ohio. Refrigerator. 2,139,779 ; Dec. 13.
Strouts, Charles R. N., Ardrossan, Scotland, assignor to Imperial Chemical Industries Limited. Production of aqueous dispersions of cellulose derivatives. 2,139,866 ; Dec. 13.
Struck, Karl W. (See Greenwood, E., and Struck.)
Stuart, Elmer H., assignor to Eli Lilly and Company, Indianapolis, Ind. Cyclohexylammonium mandelate. 2,140,461 ; Dec. 13.
Sugihara, Shuichi, Toda-Machi, Naka-ku, Nagoya, assignor to Mitsubishi Jukogyo Kabushiki Kaisha, Tokyo, Japan. Automatic device for regulating fuel injection in an internal combustion engine. 2,139,981 ; Dec. 13.
Sullivan Machinery Company. (See Wineman, Wade H., assignor.)
Sullivan, Raymond H., Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich. Voltage transformation apparatus. 2,140,094 ; Dec. 13.
Summit Thread Company. (See Boule, Camille E., assignor.)
Sundback, Gideon, Meadville, Pa., assignor to Talon, Inc. Manufacturing separable interlocking fasteners. 2,140,463 ; Dec. 13.
Sundin, Theodore, and S. Morrison, assignors to Vanstyle Specialties Corporation, New York, N. Y. Vanity case. 2,140,035 ; Dec. 13.
Sundstrand Machine Tool Co. (See Swanson, Fred R., assignor.)
Sutcliffe, Harry L., Brooklyn, assignor to The Del-Mac Shoe Process Corporation, New York, N. Y. Shoe and making same. 2,140,119 ; Dec. 13.
Swanson, Fred R., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Chuck. 2,140,303 ; Dec. 13.
Swift & Company. (See McKee, Harry H., assignor.)
Swift and Company. (See Royer, Donald R., assignor.)
Swift and Company. (See Wright, David M., assignor.)
Swisher, Leon N., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Servo mechanism. 2,140,037 ; Dec. 13.
Sylvania Industrial Corporation. (See Wallach, Roger N., assignor, and Zender.)
Taff, Hugh L., San Luis Obispo, Calif. Steam drier. 2,139,985 ; Dec. 13.
Talalay, Josef A., Bedford, England. Manufacture of rubber products, more particularly of porous and spongy masses and articles. 2,140,062 ; Dec. 13.
Talalay, Josef A., Bedford, England. Producing resilient fibrous material for stuffing upholstery. 2,140,063 ; Dec. 13.
Talbot, Lloyd. (See Rubenstein, H. J., and Talbot.)
Talon, Inc. (See Sundback, Gideon, assignor.)
Tanner, Charles H., Los Angeles, Calif. Plumber's appliance. 2,139,702 ; Dec. 13.
Tantz, Herbert E., Milwaukee, Wis. Broach. 2,140,146 ; Dec. 13.
Taylor, Edgerton F., New Haven, Conn., assignor to J. C. Lewis, New York, N. Y. Burglar and fire alarm. 2,139,703 ; Dec. 13.

Taylor, Ralph S., et al., trustees. (See Simoneau, Charles B., assignor.)
Ten, Clark A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Weather strip. 2,139,780 ; Dec. 13.
Technik und Investment Aktiengesellschaft. (See Scharwez, Paul, assignor.)
Tegarty, John B., assignor to Thermo-Plastics, Inc., St. Clair, Mich. Method and apparatus for making thermoplastic tubing. 2,140,213 ; Dec. 13.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Kantter, Wolfgang, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Knoll, Max, assignor.)
Temple, Robert B. (See Eksergian, C. L., and Temple.)
Temple, Robert, Jr., Pittsburgh, Pa. Explosively actuated tool. 2,140,214 ; Dec. 13.
Temple, Robert, Jr., Pittsburgh, Pa. Cable cutter. 2,140,338 ; Dec. 13.
Terres, Ernest, New York, E. Saegebarth, Long Island City, N. Y., J. Moos, Berlin-Mariendorf, and H. Ramser, Berlin-Steglitz, assignors, by mesne assignments, to Edeleanu, Gesellschaft, m. b. H., Berlin, Germany. Refining mineral oils. 2,140,485 ; Dec. 13.
Teter, Howard W., Kansas City, Mo. Air vent valve attachment. 2,139,867 ; Dec. 13.
Textile Machine Works. (See Gastrich, Gustav, assignor.)
Thatcher, Edward E., assignor to E. C. Atkins & Company, Indianapolis, Ind. Hole saw blade. 2,140,192 ; Dec. 13.
Theed, William D. L., assignor to Sir George Godfrey and Partners Limited, London, England. Control of wing flaps on aircraft. 2,140,095 ; Dec. 13.
Thermo-Plastics, Inc. (See Tegarty, John B., assignor.)
Thieman, William B., Albert City, Iowa, assignor to Deere & Company, Moline, Ill. Ensilage harvester. 2,139,868 ; Dec. 13.
Thomas, George H. (See Boldt, W. F., and Thomas.)
Thomas, George H. (See Cox, J. C., Boldt, and Thomas.)
Thompson, Albert R., and W. de Back, assignors to Food Machinery Corporation, San Jose, Calif. Fruit preparation machine. 2,139,704 ; Dec. 13.
Thompson, Stacy W., assignor of one-fourth to W. G. Clark, Weldon, Tex. Planter. 2,140,096 ; Dec. 13.
Water Associated Oil Company. (See Cook, Elmer W., assignor.)
Tide Water Associated Oil Company. (See Lewis, Arthur W., assignor.)
Timken Roller Bearing Company, The. (See Riblet, Robert M., assignor.)
Timmerman, Albert H. (See Timmerman, George A., assignor.)
Timmerman, George A., Rocky River, assignor to A. H. Timmerman, Cleveland, Ohio. Fastening device. 2,140,064 ; Dec. 13.
Titmus, Edward H., assignor to Titmus Optical Company, Petersburg, Va. Lens and manufacturing the same. 2,140,410 ; Dec. 13.
Titmus Optical Company. (See Titmus, Edward H., assignor.)
Tomarin, Marcus, Chicago, Ill. Window frame putty groove cleaning device. 2,140,120 ; Dec. 13.
Tomkins, Florence, executrix. (See Tomkins, William J.)
Tomkins, William J., deceased, Chicago, Ill. ; F. Tomkins, executrix. Convertible rail and highway vehicle. 2,140,121 ; Dec. 13.
Towns, Herbert L., and G. M. Cutler, assignors to Armstrong Siddeley Motors Limited, Coventry, England. Control of gearing for driving superchargers on aircraft engines. 2,139,986 ; Dec. 13.
Trammell, Earl M., assignor to Huttig Sash & Door Company, St. Louis, Mo. Venetian blind. 2,139,781 ; Dec. 13.
Tranin Egg Products Company. (See Tranin, Samuel, assignor.)
Tranin, Samuel, deceased ; H. Hanssen, executor, assignor to Tranin Egg Products Company, Kansas City, Mo. Egg product and preparing the same. 2,139,705 ; Dec. 13.
Transit Research Corporation. (See Piron, Emil H., assignor.)
Transit Research Corporation. (See Rossell, William T., assignor.)
Traub, Ernest, London, England. Scanning device for television apparatus. 2,139,869 ; Dec. 13.
Travis, Charles, Philadelphia, Pa., assignor to Radio Corporation of America. Frequency control circuits. 2,140,339 ; Dec. 13.
Trencham, Henry, Kings End, Ruislip, and K. J. R. Wilkinson, Rugby, England, assignors to General Electric Company. Testing of electric circuits. 2,140,395 ; Dec. 13.
Tufco Products Corporation. (See Horton, Erwin C., assignor.)
Tufco Products Corporation. (See Ruskin, David, assignor.)
Tucker, Hooper C., Vallejo, Calif. Oil burner. 2,139,974 ; Dec. 13.
Turner, John, Boston, Mass., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Remote control for fluid flow control systems. 2,140,486 ; Dec. 13.
Twin Coach Company. (See Pageol, William B., assignor.)
Tyvand, Raymond E., Dayton, Ohio. Key holder. 2,139,706 ; Dec. 13.
Unger, Paul O., Glen Ellyn, assignor to Wilson-Jones Company, Chicago, Ill. Reference stand. 2,140,176 ; Dec. 13.
Union Carbide and Carbon Corporation. (See Baeckler, Walter, assignor.)
Union Carbide and Carbon Corporation. (See Moss, Herbert H., assignor.)
Union Tank Car Company. (See Root, Joseph J., Jr., assignor.)
United Shoe Machinery Corporation. (See Ashworth, F., and Curtin, assignors.)
United Shoe Machinery Corporation. (See Bessom, Earl A., assignor.)
United Shoe Machinery Corporation. (See Hadaway, John B., assignor.)
United Shoe Machinery Corporation. (See Merritt, Frank R., assignor.)
United Specialties Sales Corporation. (See Chase, Herbert, assignor.)
United States of America, Dedicated to the free use of the Public in the Territory of the. (See Leatherman, Martin.)
United States Rubber Company. (See Roberts, Edward F., assignor.)
United States Steel Corporation. (See Shenk, W. E., and Larsen, assignors.)
Universal Oil Products Company. (See Alther, Joseph G., assignor.)
Universal Oil Products Company. (See Barnes, Marion W., assignor.)
"Universelle" Cigarettenmaschinenfabrik J. C. Mueller & Co. (See Röber, Constantin F., assignor.)
"Universelle" Cigarettenmaschinen-Fabrik J. C. Müller & Co. (See Stelzer, Benno, assignor.)
Usines de Melle. (See Guinot, Henri M., assignor.)
Utt, Almine W., Bakersfield, Calif. Well screen. 2,139,975 ; Dec. 13.
Vacquier, Victor V., Oakmont, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Rock sampling method. 2,140,097 ; Dec. 13.
Van Albada, Lieuwe E. W., Bloemendaal, Netherlands. Film holder for stereoscopic pictures. 2,139,782 ; Dec. 13.
Van Denburg, John W., White Plains, N. Y. Headlight system. 2,139,707 ; Dec. 13.
Vanerstrom, Rodman H., Chehalis, Wash. Sink drain trap. 2,140,436 ; Dec. 13.
Van Geel, Willem C. (See de Boer, J. H., and van Geel.)
Vanstyle Specialties Corporation. (See Sundin, T., and Morrison, assignors.)
Van Tuyl, Sidney E., assignor to O. D. Jennings and Company, Chicago, Ill. Game. 2,139,783 ; Dec. 13.
Vedder, Edwin H., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Light-sensitive system. 2,140,373 ; Dec. 13.
Veldown Company. (See Blosser, J. E., and Burke, assignors.)
Vincenti, Edward, Valletta, Malta. Shock absorber. 2,140,252 ; Dec. 13.
Vivian Manufacturing Company. (See Hosselkus, Bert C.)
Vogel, Friedrich, Mannheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of granular fertilizers. 2,140,340 ; Dec. 13.
Vogt, Hans. (See Engl, J., Massolle, and Vogt.)
Von Manteuffel, Gert Z. (See Schuchardt, H., and von Manteuffel.)
Vroom, Harold H., St. Lambert, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical control device. 2,130,147 ; Dec. 13.
Waechter, Harry J., Mount Healthy, assignor to Paul Benninghofen and F. G. Dieshach, trustees, Hamilton, Ohio. Manifolding machine. 2,140,065 ; Dec. 13.
Waechter, Harry J., Mount Healthy, assignor to Paul Benninghofen and F. G. Dieshach, trustees, Hamilton, Ohio. Autographic register. 2,140,487 ; Dec. 13.
Wagar, Stanley J. (See Moody, W. L., and Wagar.)
Wagner Electric Corporation. (See Whitacre, Clarence J., assignor.)
Wagner Electric Corporation et al. (See Boldt, W. F., assignor, and Thomas.)
Wagner Electric Corporation et al. (See Cox, J. C., and Boldt, assignors, and Thomas.)
Wagner, Erich. (See Breitling, E., and Wagner.)
Wagner, Ned F. (See Wilson, John E., assignor.)
Wahl, André Eugène, and M. Paillard, assignors of two-thirds to Societe Anonyme des Matieres Colorantes & Produits Chimiques de Saint-Denis, Paris, France. Dyeing and printing with insoluble azo dyestuffs. 2,139,987 ; Dec. 13.
Wahl, Ottmar. (See Retter, W., Wahl, and Müller.)
Walker, Horace T., Columbia, Ky. Blade sharpener for lawn mowers. 2,140,437 ; Dec. 13.
Wall & Uehs. (See Beattie, James, assignor.)
Wallach, Roger N., Briarcliff Manor, and J. Zender, Irvington, N. Y. ; said Wallach assignor to Sylvania Industrial Corporation, Fredericksburg, Va., and said Zender assignor to Stauffer Chemical Company, New York, N. Y. Treating material. 2,140,341 ; Dec. 13.
Wallis, John S., and C. T. Chave, assignors, by mesne assignments, to American Locomotive Company, New York, N. Y. Distillation process for hydrocarbon oils. 2,140,342 ; Dec. 13.

Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Container. 2,140,177; Dec. 13.
Wangemann, Paul, New York, N. Y. Circuit-breaker for regulating the intensity of and rectifying electric currents. 2,140,343; Dec. 13.
Ward, Ashley F. (See Cotts, James, assignor.)
Waschau, Paul W., Chicago, Ill. Price register. 2,140,253; Dec. 13.
Watkins, Frederick A., Highland Park, Ill. Automobile safety system. 2,139,919; Dec. 13.
Watling, Burns S., assignor to Watling Scale Company, Chicago, Ill. Counting register for coin controlled mechanisms. 2,139,920; Dec. 13.
Watling Scale Company. (See Watling, Burns S., assignor.)
Watson, David M. (See Bilger, W. A., and Watson.)
Watson-Williams Manufacturing Company. (See Spencer, Philip L., assignor.)
Watson-Williams Manufacturing Company. (See Spencer, P. L., and Dodge, assignors.)
Watts, Clarence E., Windber, Pa. Mine car axle mounting. 2,140,038; Dec. 13.
Watts, Perley I., Rockland, assignor of one-half to E. A. Hebert, Brookville, Mass. Arch-supporting shoe. 2,140,464; Dec. 13.
Webster, Robert A., Santa Monica, Calif. Film developing method. 2,140,438; Dec. 13.
Weinberger, Galen E., assignor to H. F. Woodward and J. Markoe, Minneapolis, Minn. Game. 2,140,193; Dec. 13.
Weinhardt, Robert A., assignor to W. M. Chace Company, Detroit, Mich. Snap acting thermostat. 2,139,921; Dec. 13.
Weiskittel, Anton K., assignor to Harry C. Weiskittel Co. Inc., Baltimore, Md. Oven construction for stoves. 2,139,988; Dec. 13.
Weiskittel, Anton K., assignor to Harry C. Weiskittel Co. Inc., Baltimore, Md. Movable shelf supporting structure for ovens. 2,139,989; Dec. 13.
Weiskittel, Anton K., assignor to Harry C. Weiskittel Co. Inc., Baltimore, Md. Construction for ovens. 2,139,990; Dec. 13.
Weiskittel, Harry C., Co. Inc. (See Weiskittel, Anton K., assignor.)
Weiskoff, Frederick A., Woodcliff, N. J. Bevel. 2,140,098; Dec. 13.
Weiss, Melvin V., Haddonfield, assignor to Radio Condenser Company, Camden, N. J. Condenser temperature compensation means. 2,140,039; Dec. 13.
Wellman Seaver Rolling Mill Company Limited. (See Smith, Sydney, assignor.)
Wengel, Raymond W., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Motion picture camera supply reel spindle. 2,139,784; Dec. 13.
Wesselman, Albert, Cincinnati, Ohio. Sealed carton and method of manufacture. 2,140,178; Dec. 13.
Western Electric Company. (See Earp, Charles W., assignor.)
Western Electric Company. (See Helfrick, Murray D., assignor.)
Western Electric Company. (See Vroom, Harold H., assignor.)
Westinghouse Electric Elevator Company. (See Eames, William F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Buchanan, Leslie B. M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Clark, Earl K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Dawson, John W., assignor.)
Westinghouse Electric & Manufacturing Company. (See De Croce, Gennero, assignor.)
Westinghouse Electric & Manufacturing Company. (See Dyer, Lloyd W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ford, James G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ford, J. G., and Hill, assignors.)
Westinghouse Electric & Manufacturing Company. (See Gulliksen, Finn H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gutmann, Victor, assignor.)
Westinghouse Electric & Manufacturing Company. (See Hanna, Clinton R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Jennings, Oliver S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Keyes, John J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kintzing, Reese T., assignor.)
Westinghouse Electric & Manufacturing Company. (See Koch, Gutav H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kovalsky, Joseph F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lee Reuben, assignor.)
Westinghouse Electric & Manufacturing Company. (See Lenehan, Bernard E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lowry, Erwin F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lyle, Frederick W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Marshall, Donald E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Osborn, P. H., and Harness, assignors.)
Westinghouse Electric & Manufacturing Company. (See Ow, J. W., and Read, assignors.)
Westinghouse Electric & Manufacturing Company. (See Pennow, Willis A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Vedder, Edwin H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Yensen, T. D., and Burgwin, assignors.)
Westrope, Fred J., A. H. Haberstump, and A. Person, Detroit, Mich., assignors to The Murray Corporation of America. Auxiliary seat construction. 2,140,122; Dec. 13.
Whitacre, Clarence J., assignor to Wagner Electric Corporation, St. Louis, Mo. Braking mechanism. 2,140,123; Dec. 13.
Whitaker, Frederic, Cranston, R. I. Composite insignia pressed metal ring, pin, or other ornament and method of its manufacture. 2,140,396; Dec. 13.
White, Emanuel H., Chicago, Ill. Locking device. 2,140,066; Dec. 13.
White, Frank L. (See Wilson, R. R., Brown, and White.)
White, Herbert E., San Francisco, Calif., assignor to E. H. Edwards Company. Apparatus for making wire mesh. 2,140,488; Dec. 13.
White, Jesse M., Philadelphia, Pa. Braking system. 2,140,040; Dec. 13.
Whitmore, John, assignor to Davidson & Company, Limited, Belfast, Ireland. Control of centrifugal fans, pumps, and the like. 2,140,148; Dec. 13.
Whittier, Earle O., and S. P. Gould, Washington, D. C., dedicated to the free use of the People of the United States of America. Fiber. 2,140,274; Dec. 13.
Wickliffe, John K., assignor to Industrial Patents Corporation, Chicago, Ill. Carton packing fixture. 2,140,179; Dec. 13.
Widdicomb, John, Company. (See Czubinski, Bert, assignor.)
Wiegand, Edwin L., Pittsburgh, Pa. Electrical heating element and making same. 2,139,785; Dec. 13.
Wiegand, Edwin L., Pittsburgh, Pa. Electrical heating element. 2,139,786; Dec. 13.
Wilkey, John E., Lyndhurst, assignor to Sea Gull Lubricants, Inc., Cleveland, Ohio. Making cutting-oil compounds. 2,140,215; Dec. 13.
Wilkinson, Kenneth J. R. (See Trencham, H., and Wilkinson.)
Willard, George T., Chicago, Ill. Tie plate and rail clip. 2,140,344; Dec. 13.
Williams, C. K., & Co. (See Ayers, Joseph W., assignor.)
Williams, Dow, Santa Ana, Calif. Automatic drier. 2,140,439; Dec. 13.
Williams, Floyd E., and H. F. Irving, Gary, Ind., assignors to Marbon Corporation, Chicago, Ill. Corrugated rubber bundle. 2,139,922; Dec. 13.
Williams Rotary Engines Company Limited, The. (See Maina, Joseph, assignor.)
Williamson Heater Company, The, et al. (See Doyle, W. J., and Wollenhaupt, assignors.)
Wilmanns, Gustav, and H. Fricke, Wolfen, and E. J. Birr, Bitterfeld, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Photographic developers. 2,139,870; Dec. 13.
Wilson, John A., Milwaukee, Wis., assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Tanning. 2,140,041; Dec. 13.
Wilson, John A., Milwaukee, Wis., assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Tanning. 2,140,042; Dec. 13.
Wilson, John E., assignor of one-half to N. F. Wagner, Watsontown, Pa. Walking toy. 2,140,275; Dec. 13.
Wilson-Jones Company. (See Unger, Paul O., assignor.)
Wilson, Roy R., E. K. Brown, and F. L. White, Casper, Wyo., assignors to Standard Oil Company, Chicago, Ill. Process and apparatus for contacting two liquids. 2,139,871; Dec. 13.
Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Method of and apparatus for separating laminated sheets. 2,139,708; Dec. 13.
Wingard, Gunnar, Tacoma, Wash. Refrigerator breather tube. 2,139,991; Dec. 13.
Wingfoot Corporation. (See Clifford, Albert M., assignor.)
Wingfoot Corporation. (See Scott, Winfield, assignor.)
Wingler, August, Leverkusen-I. G. Werk, and H. Ohlendorf and H. Lange, Dessau in Anhalt, assignors to General Aniline Works, Inc., New York, N. Y. Coloring cellulose esters. 2,139,787; Dec. 13.
Winkelmann, Herbert A., and E. W. Moffett, assignors to Marbon Corporation, Chicago, Ill. Vulcanizing adhesive composition. 2,139,992; Dec. 13.
Winthrop Chemical Company. (See Henecka, Hans, assignor.)
Wise, Solomon, Shaker Heights, Ohio. Lock device. 2,140,489; Dec. 13.
Wise, Solomon, Shaker Heights, Ohio. Padlock. 2,140,490; Dec. 13.
Wise, Winfield H., Meridian, N. Y. Outboard motor propeller guard. 2,140,099; Dec. 13.
Wishart, William W., Holland, Mich. Shaft seal. 2,140,304; Dec. 13.

Wissman, Reuben E., assignor to The Minster Machine Company, Minster, Ohio. Oil cushion splined clutch. 2,140,216; Dec. 13.
Wollenhaupt, Justus J. (See Doyle, W. J., and Wollenhaupt.)
Woller, Edward E., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Studio couch. 2,139,923; Dec. 13.
Wood, Russell A., Cambridge, Mass. Game apparatus. 2,140,411; Dec. 13.
Woodall Industries Incorporated. (See Cunnington, George R., assignor.)
Woodruff, Harry L., assignor to Atlas Copper & Brass Mfg. Co., Chicago, Ill. Tank. 2,139,924; Dec. 13.
Woodward, H. F., et al. (See Weinberger, Galen E., assignor.)
Woolson, Harry T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Making structural beam members. 2,139,788; Dec. 13.
Worthington, Warren, Pittsburgh, Pa. Sheet metal and procedure for producing the same. 2,139,872; Dec. 13.
Wrap-Ade Machine Company. (See Saifisberg, Leroy L., assignor.)
Wright, David M., Agricola, Fla., assignor, by mesne assignments, to Swift and Company, Chicago, Ill. Classifier. 2,140,180; Dec. 13.
Wrightsman, Philip G., Chester, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Controlling temperature of nitration reactions. 2,140,345; Dec. 13.
Wuensch, Charles E., Berkeley, Calif., assignor to Wuensch Hetero Concentration Process Company, Wilmington, Del. Method and apparatus for separating fragmentary minerals of different specific gravities in crushed ores. 2,139,789; Dec. 13.
Wuensch Hetero Concentration Process Company. (See Wuensch, Charles E., assignor.)
Yabroff, David L., and J. W. Givens, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Oxidation of mercaptides. 2,140,194; Dec. 13.
Yaw, Carl F., assignor of one-half to L. W. Meehan, Greene, Iowa. Comb. 2,139,709; Dec. 13.
Yensen, Trygve D., and S. L. Burgwin, Forest Hills, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Heat treating magnetic material. 2,140,374; Dec. 13.
Yeo, Edward J. (See McElroy, J. H., Yeo, and Binder.)
Yoder, Carl M., Lakewood, Ohio. Coil handling mechanism. 2,139,873; Dec. 13.
Yokum, John C., Oakland, Calif. Restraining device. 2,139,710; Dec. 13.
Young, Albert A. (See Slack, A. D., and Young.)
Young, Lee E. (See Raymond, G., and Young.)
Z Pack Corporation. (See Zarotschenzeff, Mikail T., assignor.)
Zahnradfabrik Friedrichshafen Aktiengesellschaft. (See Molly, Hans, assignor.)
Zarotschenzeff, Mikail T., New York, N. Y., assignor to Z Pack Corporation. Freezing with fruit juices. 2,140,043; Dec. 13.
Zavka, Mario, Terni, Italy, assignor to Ammonia Casale Societa Anonima, Lugano, Massagno, Switzerland. Device for operating internal combustion engines with mixtures of ammonia, hydrogen, and nitrogen prepared from ammonia. 2,140,254; Dec. 13.
Zeiss, Carl. (See Merté, Willy, assignor.)
Zellstofffabrik Waldhof. (See Brune, Otto, assignor.)
Zender, Justin. (See Wallach, R. N., and Zender.)
Zimic, Michael, Forest Hills West, and A. Miskovsky, Astoria, N. Y.; said Miskovsky assignor to said Zimic. Plating device for knitting machines. 2,139,790; Dec. 13.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 13TH DAY OF DECEMBER, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive article. R. P. Carlton. Re. 20,946; Dec. 13.
Air conditioning. I. C. Baker. Re. 20,944; Dec 13.
Altimeter, Quick reading. P. Kollsman. Re. 20,948; Dec. 13.
Device for indicating oscillograph curves as stationary. F. Bedell. Re. 20,945; Dec. 13.
Hydrocarbon gases, Polymerizing. W. B. Plummer. Re. 20,950; Dec. 13.
Table top, Folding. J. B. O'Connor. Re. 20,949; Dec. 13.
Truck, Refuse. J. Goodman. Re. 20,947; Dec. 13.

LIST OF DESIGN INVENTIONS

Antenna, Automobile top radio. P. Guggenheim. 112,523; Dec. 13.
Beater, Egg. J. M. Little. 112,531; Dec. 13.
Blouse. L. Hafler. 112,553; Dec. 13.
Bottle. F. Smith. 112,540; Dec. 13.
Bottle, Glass. J. H. Meier, Jr. 112,532; Dec. 13.
Bottle or similar article, Siphon. W. Paxton. 112,535; Dec. 13.
Bottle or similar container, Perfume. J. L. Younghusband. 112,545; Dec. 13.
Buckle, Wrist watch strap. C. B. Greenberg. 112,561; Dec. 13.
Brooch or similar article. F. di Verdura. 112,584; Dec. 13.
Building material, Insulating. M. Skolnik. 112,568; Dec. 13.
Cabinet, Phonograph. P. M. Fuller. 112,521; Dec. 13.
Cabinet, Towel dispensing. B. E. Ebert. 112,520; Dec. 13.
Cap for bottles, Metal. L. R. N. Carvalho. 112,513; Dec. 13.
Casing for an autographic register. R. Katz. 112,575–6; Dec. 13.
Cigarette snuffer and tray, Combined. P. Schildknecht. 112,539; Dec. 13.
Coat. S. Babus. 112,546; Dec. 13.
Coat. S. C. Klein. 112,554; Dec. 13.
Coat. J. A. Silverman. 112,567; Dec. 13.
Diffuser for electric lighting fixtures. D. L. Ripley. 112,537; Dec. 13.
Dress. A. Engel. 112,552; Dec. 13.
Dress. B. Machanoff. 112,577; Dec. 13.
Eraser and pencil tip, Combined. F. H. Beck. 112,582; Dec. 13.
Fabric, Elastic textile. I. Weisberger. 112,556; Dec. 13.
Fabric, Knitted. A. Grodnick. 112,573–4; Dec. 13.
Fabric, Textile. H. Weixel. 112,581; Dec. 13.
Fastener or similar article, Necktie. C. Silverman. 112,580; Dec. 13.
Fire extinguishing grenade. W. L. Roessner. 112,538; Dec. 13.
Font of type. A. B. Collins. 112,515; Dec. 13.
Frame, Picture. E. Olszewski. 112,534; Dec. 13.
Globe for lighting fixture. S. H. Barnes. 112,511; Dec. 13.
Glove. N. Blum. 112,583; Dec. 13.
Goblet or similar article. A. J. Cunningham. 112,516–8; Dec. 13.
Goblet or similar article. A. J. Cunningham. 112,547–51; Dec. 13.
Goblet or similar article. A. J. Cunningham. 112,557–9; Dec. 13.
Goblet or similar article. A. J. Cunningham. 112,570–2; Dec. 13.
Guard for automobile fenders. S. J. Gurus. 112,524–5; Dec. 13.
Hanger for toilet articles. S. Lowen. 112,555; Dec. 13.
Hanger for toilet articles or the like. S. Lowen. 112,588–9; Dec. 13.
Hat. H. Freydberg. 112,585; Dec. 13.
Hat. S. Stricker. 112,591; Dec. 13.
Holder for towels and similar articles. W. O. Dailey. 112,519; Dec. 13.
Knife. J. E. MacPherson. 112,590; Dec. 13.
Lamp base. R. L. Whyte. 112,542–3; Dec. 13.
Ornament or the like, Christmas tree. M. L. McGuckin. 112,578; Dec. 13.
Panel and support for timer, lamp, and condiment set for stoves, Combined back guard. R. E. Kruck. 112,530; Dec. 13.
Peeler, slicer, and shredder, Combined vegetable. A. H. Johnson. 112,528; Dec. 13.
Plate or similar article. H. Barkby. 112,509–10; Dec. 13.
Platform for rugs or the like, Display. L. H. Best. 112,512; Dec. 13.
Rack, Croquet. F. S. Chrisman. 112,514; Dec. 13.
Rack, Croquet. R. W. Muessel. 112,533; Dec. 13.
Reactor, Electrical. W. J. Garlick, Jr. 112,522; Dec. 13.
Reflector. L. S. Webster. 112,541; Dec. 13.
Ribbon. J. D. Hulzing. 112,562; Dec. 13.
Ring or the like. F. Milhening. 112,563; Dec. 13.
Restaurant or similar building. F. H. Jantzen. 112,587; Dec. 13.
Robe. M. Restell. 112,565; Dec. 13.
Sadiron. R. I. Huffman. 112,527; Dec. 13.
Scarf or similar article, Table. W. E. Rutsch and O. Schulze. 112,566; Dec. 13.
Sheet or similar article, Plastic. R. T. Billings. 112,569; Dec. 13.
Shirt. C. Podsen. 112,564; Dec. 13.
Signboard and danger reflector, Combination. G. L. Joyce and E. L. Oakley. 112,529; Dec. 13.
Stand, Display. E. E. Peterson. 112,536; Dec. 13.
Stand, Telephone. R. M. Riley. 112,544; Dec. 13.
Stocking or similar article. P. Gerton. 112,586; Dec. 13.
Store front. D. G. Ross. 112,579; Dec. 13.
Tumbler or similar article. A. J. Cunningham. 112,560; Dec. 13.
Weight, Wheel balancing. P. F. Hatch and M. J. Hume. 112,526; Dec. 13.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 13TH DAY OF DECEMBER, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accelerators. A. M. Clifford. 2,140,258; Dec. 13.
Accounting means, Slip. A. M. Martin. 2,140,206–7; Dec. 13.
Acid, Apparatus for concentrating sulphuric. D. W. Bransky. 2,140,070; Dec. 13.
Acid, Concentration of nitric. F. Carl. 2,139,721; Dec. 13.
Acid esters of aromatic orthohydroxy carboxylic acids, Furoic. W. Hiemenz and L. Freedman. 2,140,052; Dec. 13.
Acoustic structure. E. Schenk. 2,140,210; Dec. 13.
Adhesive applicator. D. Daneke. 2,140,470; Dec. 13.
Adhesive composition, Vulcanizing. H. A. Winkelmann and E. W. Moffett. 2,139,992; Dec. 13.
Aggregates, Apparatus for pulverizing mineral. R. S. Dean and J. Gross. 2,139,808; Dec. 13.
Agitator, Separable base. A. W. Altorfer. 2,139,925; Dec. 13.
Agricultural implement. W. H. Silver. 2,140,144; Dec. 13.
Air conditioning apparatus. C. M. Ashley and S. F. Shawhan. 2,140,305; Dec. 13.
Air conditioning apparatus. W. L. Fleisher. 2,139,675; Dec. 13.
Air agitator for bench machine operators. J. Macaluso. 2,139,761; Dec. 13.
Air or gas controlling valve. J. Jensen. 2,140,292; Dec. 13.
Air or gases, for drying and other convenient purposes, Process and apparatus for the continuous production of warm. H. Lösche. 2,139,760; Dec. 13.
Alarm, Burglar and fire. E. F. Taylor. 2,139,703; Dec. 13.
Alkaloid compound. R. S. McKinney. 2,139,839; Dec. 13.
Amalgamator. W. J. Scott. 2,140,142; Dec. 13.
Anchor, Rail. A. T. Palmer. 2,139,847; Dec. 13.
Anesthetic base and solution and their manufacture, Local. S. D. Goldberg. 2,139,818; Dec. 13.
Antenna accessory. P. H. Smith. 2,140,174; Dec. 13.
Antenna system. E. J. Sterba. 2,140,145; Dec. 13.
Apparatus for aligning the side seams of traveling can bodies. J. H. O'Neil. 2,140,246; Dec. 13.
Apparatus for coating interior surfaces of tubular structures. S. P. Miller. 2,140,298; Dec. 13.
Apparatus for making wire mesh. H. E. White. 2,140,488; Dec. 13.
Applicator, Cosmetic. W. C. Hand. 2,140,009; Dec. 13.
Applicator for hair and scalp tonics or the like. F. H. Merrill. 2,139,904; Dec. 13.
Aqueous dispersions of cellulose derivatives, Production of. C. R. N. Strouts. 2,139,866; Dec. 13.
Arch support. J. C. Howell. 2,140,013; Dec. 13.
Arch support J. R. Pava. 2,139,971; Dec. 13.
Article handling device. B. L. Keeney. 2,140,427; Dec. 13.
Articles and compositions therefor, Manufacture of rubber. J. H. Coffey. 2,139,724; Dec. 13.
Articles, Manufacture of formed. M. D. Helfrick. 2,140,131; Dec. 13.
Assemblies for lamps, Manufacturing filament supporting. L. S. Greenmun. 2,139,891; Dec. 13.
Atomizer head. H. M. Marsh. 2,140,188; Dec. 13.
Auto seat, Self-adjusting. W. S. Frees. 2,140,423; Dec. 23.
Automatic clutch coupling. E. L. Rieske. 2,140,255; Dec. 13.
Automatic drier. D. Williams. 2,140,439; Dec. 13.
Automatic paste dispenser. W. J. Grandman. 2,140,007; Dec. 13.
Automatic resetting trap. S. J. Evans. 2,139,674; Dec. 13.
Automobile safety system. F. A. Watkins. 2,139,919; Dec. 13.
Awning mechanism. F. D. Frazee. 2,140,286; Dec. 13.
Axle construction, Automative. R. M. Riblet. 2,140,190; Dec. 13.
Axle mounting, Mine car. C. E. Watts. 2,140,038; Dec. 13.
Axminster loom. J. A. Coyle. 2,140,468; Dec. 13.
Baffle for heaters. E. L. Bauer. 2,140,125; Dec. 13.
Bag closure. O. E. Cheatham. 2,140,104; Dec. 13.
Bag holder. N. A. Constantine. 2,140,199; Dec. 13.
Baker's mold. W. Kopmann. 2,139,830; Dec. 13.
Balancing and center locating machine. N. R. Buckingham. 2,140,398; Dec. 13.
Barking and washing drum, Combined. H. W. Guettler. 2,140,287; Dec. 13.
Base or support for dolls or the like. E. S. Harris. 2,139,822; Dec. 13.
Bath, Portable sitz. C. D. Gaston and W. D. Moore. 2,139,951; Dec. 13.
Bathtub. M. Fellipone. 2,139,942; Dec. 13.
Beam members, Making structural. H. T. Woolson. 2,130,788; Dec. 13.
Bearing. O. R. Schoenrock. 2,140,335; Dec. 13.
Bearing. W. G. O. Stieber. 2,140,435; Dec. 13.
Bearing and seal, Antifriction. W. T. Murden. 2,140,091; Dec. 13.
Beer, Joke. W. A. Mould. 2,140,327; Dec. 13.
Belt connecter, Fiber bearing. A. L. Freedlander and N. J. Ritzert. 2,140,202; Dec. 13.
Belt connecter, Oil well. A. L. Freedlander and N. J. Ritzert. 2,140,201; Dec. 13.
Bevel. F. A. Weiskoff. 2,140,098; Dec. 13.
Binder. F. D. Moore. 2,139,843; Dec. 13.
Blind, Venetian. E. M. Trammell. 2,139,781; Dec. 13.
Block: *See*—
Building block. Salt block.
Floor block.
Block for illustrating chemical reactions, Valence. A. H. Bryan. 2,140,103; Dec. 13.
Board: *See*—
Electric panel board. Insulating board.
Boat hull. J. E. Langstaff. 2,139,831; Dec. 13.
Bobbin producing machine, Thread. C. E. Boule. 2,140,046; Dec. 13.
Body and chassis underframe, Combined. J. Ledwinka. 2,140,476; Dec. 13.
Boiler and heat-exchanging apparatus, Rotary. J. Starziczny. 2,140,175; Dec. 13.
Bomb, Aerial. N. N. Booker. 2,139,665; Dec. 13.
Books, Check and like. F. R. Ferguson. 2,139,889; Dec. 13.
Booth, Telephone. W. A. Gullicksen. 2,140,474; Dec. 13.
Boron compounds, Heating of. E. Noack and F. Schubert. 2,140,029; Dec. 13.
Bottle filling and gassing machine. J. Kantor. 2,140,187; Dec. 13.
Box. F. R. Neely. 2,139,845; Dec. 13.
Box divider. M. Davitt. 2,140,001; Dec. 13.
Brace, Adjustable rail. C. W. Breed and G. R. Burkhardt. 2,139,930; Dec. 13.
Brake: *See*—
Vehicle brake.
Brake. C. L. Eksergian and R. B. Temple. 2,140,261; Dec. 13.
Brake lining clamp. A. E. Bullington. 2,139,876; Dec. 13.
Brake linkage, Hand. E. H. Piron. 2,140,114; Dec. 13.
Brake mechanism. G. H. Hunt and E. H. Berno. 2,140,385; Dec. 13.
Brake shoe, Multipiece. J. C. Kidwell and R. A. Poland. 2,140,081; Dec. 13.
Brakes, Adjusting means for. E. C. S. Clench. 2,140,219; Dec. 13.
Braking mechanism. C. J. Whitacre. 2,140,123; Dec. 13.
Braking system. J. M. White. 2,140,040; Dec. 13.
Brooch. H. E. Tautz. 2,140,146; Dec. 13.
Broom connecter. C. Iasillo. 2,140,014; Dec. 13.
Buffing wheel. E. E. Murray. 2,140,208; Dec. 13.
Building block. E. R. Harrap. 2,140,226; Dec. 13.
Building construction. S. F. Nielsen and F. Bostad. 2,139,907; Dec. 13.
Bunch builder and safety latch. J. L. Lyle. 2,140,084; Dec. 13.
Burner: *See*—
Fuel burner. Oil burner.
Burner air control, Oil. C. G. Sigwald. 2,140,212; Dec. 13.
Butter dispenser. R. J. Miller and M. C. Dunrud. 2,140,242; Dec. 13.
Cable: *See*—
Electric cable.
Cable cutter. R. Temple, Jr. 2,140,338; Dec. 13.
Calcium carbonate which does not agglomerate, Producing finely divided. E. M. Allen and G. M. Lynn. 2,140,375; Dec. 13.
Calcium compound and composition suitable for hypocalcemia alleviation. G. L. Jenkins. 2,140,291; Dec. 13.
Calculating machine. J. R. Ganger. 2,139,743; Dec. 13.
Camera adjusting mechanism. H. G. Cunningham. 2,140,260; Dec. 13.
Camera, Double exposure prevention. W. Lindenberg. 2,139,759; Dec. 13.
Camera support. A. E. Hart. 2,140,051; Dec. 13.
Can tapping and content dispensing device. C. G. Butler. 2,140,257; Dec. 13.
Cap for containers, Closure. E. A. Fuchs. 2,140,077; Dec. 13.
Car and assembling same, Welded metal. H. H. Moss. 2,140,268; Dec. 13.

Carbohydrate derivatives, Stabilizing. R. S. Bley. 2,140,346; Dec. 13.
Carcass treatment means. L. L. Cadwell. 2,140,150; Dec. 13.
Carding, cleaning, opening, and like machine for textile fibers. P. Schwarze. 2,139,859; Dec. 13.
Carrier: *See*—
Ice carrier.
Carrier. P. H. Powers. 2,139,849; Dec. 13.
Carton and method of manufacture, Sealed. A. Wesselman. 2,140,178; Dec. 13.
Carton packing fixture. J. K. Wickliffe. 2,140,179; Dec. 13.
Case: *See*—
Toilet article case. Vanity case.
Case and cleaner, Combination comb. R. Dreher. 2,139,940; Dec. 13.
Cases, Analyzing. G. Malmgren. 2,139,902; Dec. 13.
Cash register, accounting, and the like machine. E. Breitling. 2,139,718; Dec. 13.
Casting apparatus. E. E. Griffin. 2,140,204; Dec. 13.
Caster. W. G. Johnson. 2,140,403; Dec. 13.
Catalysts, Manufacture of. S. Faulkner. 2,140,400; Dec. 13.
Cathode ray tube. P. T. Farnsworth. 2,139,814; Dec. 13.
Cathode ray tube. M. Knoll. 2,139,683–4; Dec. 13.
Cathode ray tube. M. Knoll. 2,139,829; Dec. 13.
Cathode, Thermionic. E. E. Lowry. 2,140,367; Dec. 13.
Cellulose acetobutyrates, Stabilizing. R. S. Bley. 2,139,661; Dec. 13.
Cellulose cooking process. O. Brune. 2,140,218; Dec. 13.
Cellulose derivatives, Stabilizing. R. S. Bley. 2,139,662–4; Dec. 13.
Cellulose triacetate, Stabilizing. R. S. Bley. 2,140,347; Dec. 13.
Cement, Process and apparatus for manufacturing. A. K. Frolich and A. Lundteigen, Jr. 2,140,471; Dec. 13.
Center structure for eyeglasses and spectacles. J. Beattie. 2,140,044; Dec. 13.
Chains, Adjusting driving. G. Esteves. 2,139,941; Dec. 13.
Chair: *See*—
Folding chair.
Chair iron. H. W. Sheldrick. 2,140,058; Dec. 13.
Change-amplifying means. J. W. Dawson. 2,140,349; Dec. 13.
Change speed device. J. W. Hale. 2,140,155; Dec. 13.
Chlorhydrins, Sulphation of. H. E. Buc. 2,139,669; Dec. 13.
Chopper, Onion. C. L. Hanel. 2,140,010; Dec. 13.
Chuck, Collet. J. A. Derrig. 2,139,733; Dec. 13.
Chucks. F. R. Swanson. 2,140,303; Dec. 13.
Cigar shaping machine. B. Stelzer. 2,140,093; Dec. 13.
Cigars, Manufacture of. C. F. Röber. 2,140,167; Dec. 13.
Cinnamamids. W. A. Lott. 2,139,687; Dec. 13.
Circuit: *See*—
Radio circuit.
Circuit breaker. J. D. Hilliard. 2,140,475; Dec. 13.
Circuit-breaker for regulating the intensity and rectifying electric currents. P. Wangemann. 2,140,343; Dec. 13.
Circuit interrupter. O. S. Jennings. 2,140,360; Dec. 13.
Circuit interrupter, Electric. J. Biermanns and O. Mayr. 2,140,378; Dec. 13.
Circuit tester for electronic tubes, Short. H. P. Manley. 2,140,297; Dec. 13.
Circuits, Cathode heating. J. D. Brailsford. 2,139,716; Dec. 13.
Circuits, Filter. R. U. Clark. 2,140,444; Dec. 13.
Circuits, Frequency control. C. Travis. 2,140,339; Dec. 13.
Circuits, Testing of electric. H. Trencham and K. J. R. Wilkinson. 2,140,395; Dec. 13.
Clamp: *See*—
Brake lining clamp. Loom sword bearing clamp.
Classifier. D. M. Wright. 2,140,180; Dec. 13.
Cleaner: *See*—
Knife blade cleaner. Suction cleaner.
Clip: *See*—
Tie plate and rail clip. Wave clip.
Clip brooch. J. Hirsch. 2,140,262; Dec. 13.
Closure for receptacles. G. H. Kaemmerling. 2,140,456; Dec. 13.
Clutch: *See*—
Splined clutch.
Clutch. W. F. Boldt and G. H. Thomas. 2,140,100; Dec. 13.
Coating machine. A. M. Becker. 2,139,652; Dec. 13.
Coffee infusion apparatus. J. S. Comstock. 2,139,881; Dec. 13.
Coil handling mechanism. C. M. Yoder. 2,139,873; Dec. 13.
Coil, Separator. L. C. Smith. 2,140,484; Dec. 13.
Coils, Winding. W. S. Merkle. 2,140,137; Dec. 13.
Color lakes. W. Retter, O. Wahl, and W. Müller. 2,140,248; Dec. 13.
Comb. C. F. Yaw. 2,139,709; Dec. 13.
Combustion device. R. W. Simpson. 2,139,776; Dec. 13.
Comforter and bedspread, Combination. M. Simon. 2,139,980; Dec. 13.
Compartment, Locked. G. A. Park. 2,139,909; Dec. 13.
Compass, Gyromagnetic. H. Schuchardt and G. Z. von Manteuffel. 2,140,191; Dec. 13.
Compression and the ignition of internal combustion engines by means of a small illuminating tube, Method and apparatus for examining the. J. Kandyba. 2,139,828; Dec. 13.
Concentrator, Dry. H. E. Fiscel. 2,139,944; Dec. 13.
Condenser and mounting therefor. R. U. Clark. 2,140,442; Dec. 13.
Condenser temperature compensation means. M. V. Weiss. 2,140,039; Dec. 13.
Confection and making same, Frozen. A. London. 2,139,836; Dec. 13.
Conical surfaces, Lapping. G. F. Johnson. 2,139,896; Dec. 13.
Connecter: *See*—
Belt connecter. Broom connecter.
Connecter for handle straps. D. I. Reiter. 2,140,333; Dec. 13.
Connection, Generator demagnetizing. W. F. Eames. 2,140,353; Dec. 13.
Container. A. B. Bechaud. 2,139,792; Dec. 13.
Container. S. Birkland. 2,139,660; Dec. 13.
Container. C. T. Walter. 2,140,177; Dec. 13.
Container body forming and cutting mechanism. J. M. Hothersall. 2,139,682; Dec. 13.
Container handling device. B. F. Döscher. 2,140,314; Dec. 13.
Control apparatus. J. W. Dawson. 2,140,350; Dec. 13.
Control apparatus. F. H. Gulliksen. 2,140,355; Dec. 13.
Control apparatus. J. W. Ow and E. K. Read. 2,140,371; Dec. 13.
Control for fluid flow control systems, Remote. J. Turner. 2,140,486; Dec. 13.
Control mechanism. F. S. Denison. 2,140,451; Dec. 13.
Control mechanism for steam heating systems. I. C. Jennings. 2,140,079; Dec. 13.
Control system. A. C. Grant. 2,140,473; Dec. 13.
Control of wing flaps on aircraft. W. D. L. Theed. 2,140,095; Dec. 13.
Control system. B. W. Jones. 2,140,386; Dec. 13.
Conveyer for cigarette machines, Pneumatic. R. V. Craggs. 2,140,128; Dec. 13.
Conveyer for feeding trays. J. Brandt. 2,139,877; Dec. 13.
Control of gearing for driving superchargers on aircraft engines. H. L. Towns and G. M. Cutler. 2,139,986; Dec. 13.
Cooking apparatus, Electrically operated. J. W. Myers and S. J. Roesch. 2,140,479; Dec. 13.
Cooking device, Electronic. E. K. Clark. 2,140,348; Dec. 13.
Cooler and scrubber, Combined. H. F. Johnstone and A. D. Singh. 2,139,827; Dec. 13.
Cooling system for compressors. L. B. M. Buchanan. 2,139,996; Dec. 13.
Copying apparatus. D. H. Holmes, H. T. Burgner, and E. D. MacEwing. 2,139,752; Dec. 13.
Core taker for rotary drills. A. B. Conklin. 2,140,417; Dec. 13.
Cosmosarium. R. V. Morse. 2,140,326; Dec. 13.
Cotton harvesting machine. M. J. Connolly. 2,140,399; Dec. 13.
Couch, Studio. L. Schreiber. 2,139,698; Dec. 13.
Counting register for coin controlled mechanisms. B. S. Watling. 2,139,920; Dec. 13.
Coupler, Trailer. R. E. Hollett. 2,140,132; Dec. 13.
Coupling: *See*—
Automatic clutch coupling. Hook coupling.
Fluid coupling. Hose coupling.
Coupling system, Multiplier. P. T. Farnsworth. 2,140,285; Dec. 13.
Counter. R. F. Shoup. 2,140,336; Dec. 13.
Cover: *See*—
Display box easel cover.
Crane. R. D. Kauffman. 2,139,960; Dec. 13.
Crankshaft. L. S. Chancellor. 2,140,127; Dec. 13.
Creaser. T. S. Fitchett. 2,139,890; Dec. 13.
Cryptographic apparatus. W. F. Friedman. 2,139,676; Dec. 13.
Cryptographic device. W. F. Friedman. 2,140,424; Dec. 13.
Crystal mounting, Piezoelectric. F. W. Smalts. 2,139,918; Dec. 13.
Crystals, Apparatus for mounting piezo-electric. H. A. Clarke. 2,139,998; Dec. 13.
Cultivator attachment. T. Sheehan and E. W. Philips. 2,139,979; Dec. 13.
Curler, Hair. N. L. Solomon. 2,139,844; Dec. 13.
Curtain and shade, Combined. A. E. Johnson. 2,140,080; Dec. 13.
Cutter: *See*—
Cable cutter.
Cutting-oil compounds, Making. J. E. Wilkey. 2,140,215; Dec. 13.
Cyclohexylammonium mandelate. E. H. Stuart. 2,140,461; Dec. 13.
Cylinder head for internal combustion engines. A. Schwarz. 2,139,977–8; Dec. 13.
Decanting mechanism. A. Simonsen. 2,140,059; Dec. 13.
Deflection system for Braun tubes. E. Ruska. 2,139,854; Dec. 13.
Dental fluoroscopic instrument. L. C. and H. L. Pelkus, Jr. 2,140,269; Dec. 13.

Depth measuring device for oil well equipment. F. L. Le Bus. 2,139,899; Dec. 13.
Detachable handle. A. F. Plitt. 2,140,165; Dec. 13.
Device for hydraulic brakes, Safety. V. I. Myllyniemi and V. S. Mäki. 2,140,027; Dec. 13.
Device for opening cans. H. L. Dazey. 2,140,151; Dec. 13.
Device for regulating fuel injection in an internal combustion engine, Automatic. S. Sugihara. 2,139,981; Dec. 13.
Diamides of unsaturated dicarboxylic acids and making the same. V. R. Hardy. 2,139,679; Dec. 13.
Dielectric liquid for electrical apparatus. J. G. Ford and C. F. Hill. 2,139,946–8; Dec. 13.
Diesel engine. K. Haage. 2,140,205; Dec. 13.
Differential. H. Molly. 2,139,906; Dec. 13.
Disintegrating machine. E. J. R. Chenoweth. 2,139,933; Dec. 13.
Disk, Ornamental wheel. G. A. Lyon. 2,139,900; Dec. 13.
Dispenser: *See*—
Automatic paste dispenser. Lather dispenser.
Butter dispenser.
Display box easel cover. J. K. Darragh. 2,140,000; Dec. 13.
Display rack. H. J. Rubenstein and L. Talbot. 2,140,116; Dec. 13.
Display stand. L. Aanerud. 2,139,649; Dec. 13.
Distillation process for hydrocarbon oils. J. S. Wallis and C. T. Chave. 2,140,342; Dec. 13.
Dog, Baling press. J. Blewett. 2,139,928; Dec. 13.
Door: *See*—
Oven door.
Door holder. A. N. Dion. 2,140,002; Dec. 13.
Double-shed loom. H. Köhler and K. Petzoldt. 2,140,134; Dec. 13.
Draft gear, Friction. D. F. Sproul. 2,139,701; Dec. 13.
Drain, Refrigerator. C. F. Belshaw. 2,140,308; Dec. 13.
Drainer, Clothes. G. L. McLachlan. 2,139,968; Dec. 13.
Drier: *See*—
Automatic drier. Steam drier.
Drive, Flexible power transmission. J. C. L. Leason. 2,139,963; Dec. 13.
Drive for truck trailers, Booster. F. A. Kellar. 2,140,109; Dec. 13.
Drive head. J. J. Russell. 2,139,973; Dec. 13.
Drive, Hydraulic power. A. Lysholm. 2,140,324; Dec. 13.
Drop leaf table, Extensible. B. Czubinski. 2,140,073; Dec. 13.
Dump body. F. Biszantz. 2,139,795; Dec. 13.
Dump body leverage. F. Biszantz. 2,139,794; Dec. 13.
Duplicating. A. E. Schutte. 2,140,482; Dec. 13.
Dyeing and printing with insoluble azo dyestuffs. A. Wahl and M. Paillard. 2,139,987; Dec. 13.
Dyestuff, Azo. D. Delfs. 2,140,312; Dec. 13.
Dyestuffs of the dibenzanthrone series, Preparation of. E. T. Howell. 2,140,455; Dec. 13.
Educational device. J. R. Schwendeman. 2,139,860; Dec. 13.
Egg material, Treatment of. M. C. Reynolds. 2,139,696; Dec. 13.
Egg product and preparing the same. S. Tranin. 2,139,705; Dec. 13.
Elastic, porous, and compressible product, Manufacturing an. M. Leatherman. 2,140,265; Dec. 13.
Electric cable. F. M. Potter. 2,140,270; Dec. 13.
Electric panel board. A. E. Anderson. 2,140,376; Dec. 13.
Electrical appliance. A. S. Knapp. 2,140,158; Dec. 13.
Electrical control device. H. H. Vroom. 2,140,147; Dec. 13.
Electrical control system. G. De Croce. 2,140,351; Dec. 13.
Electrical control system. W. F. Eames. 2,140,354; Dec. 13.
Electrical measuring instrument. R. W. Carson. 2,139,997; Dec. 13.
Electrical oscillation generator. S. W. H. W. Falloon. 2,140,004; Dec. 13.
Electrically heated furnace. H. Henke. 2,140,228; Dec. 13.
Electrode feed mechanism for searchlights. W. A. Pennow. 2,140,372; Dec. 13.
Electrode, Secondary emission. P. T. Farnsworth. 2,139,813; Dec. 13.
Electrode system, Asymmetric. J. H. de Boer and W. C. van Geel. 2,139,731; Dec. 13.
Electromagnetic device. E. J. Pratt. 2,140,139; Dec. 13.
Electron discharge device. M. S. Glass. 2,139,678; Dec. 13.
Electron discharge device. M. Kuipers and H. G. Boumeester. 2,139,757; Dec. 13.
Electron discharge device. J. P. Laico. 2,139,685; Dec. 13.
Emasculatome. H. W. McCall. 2,139,967; Dec. 13.
Enclosures, Ventilating. K. D. Perkins. 2,140,055; Dec. 13.
Engine: *See*—
Diesel engine.
Internal combustion engine.
Engine control, Deck. M. G. Cook. 2,139,727; Dec. 13.
Engine starting apparatus. R. P. Lansing. 2,140,083; Dec. 13.
Engine starting mechanism. R. P. Lansing. 2,140,405; Dec. 13.
Engines with mixtures of ammonia, hydrogen, and nitrogen prepared from ammonia, Device for operating internal combustion. M. Zavka. 2,140,254; Dec. 13.
Entrance device, Service. S. R. Fralick. 2,139,742; Dec. 13.
Envelope. F. L. Jarvis. 2,139,958; Dec. 13.
Envelope machine. A. Novick. 2,140,112; Dec. 13.
Envelope, Moistureproof. E. B. Berkowitz. 2,139,654; Dec. 13.
Expansion joint. D. Roberts. 2,139,851; Dec. 13.
Explosive. J. W. Avers. 2,140,447; Dec. 13.
Esters, Coloring cellulose. A. Wingler, H. Ohlendorf, and H. Lange. 2,139,787; Dec. 13.
Explosively actuated tool. R. Temple, Jr. 2,140,214; Dec. 13.
Eye protection device. C. H. Dockson and H. S. Davis. 2,139,811; Dec. 13.
Fabrics, Marking. O. F. Lohmann. 2,139,835; Dec. 13.
Fan construction. G. H. Koch. 2,140,017; Dec. 13.
Fans, pumps, and the like, Control of centrifugal. J. Whitmore. 2,140,148; Dec. 13.
Fasteners, Manufacturing separable interlocking. G. Sundback. 2,140,463; Dec. 13.
Fastening device. G. A. Tinnerman. 2,140,064; Dec. 13.
Feather renovator. L. Finkel. 2,140,200; Dec. 13.
Feeder: *See*—
Sheet feeder.
Fender skirt, Ornamental. G. A. Lyon. 2,139,901; Dec. 13.
Fertilizers, Production of granular. F. Vogel. 2,140,340; Dec. 13.
Fiber. E. O. Whittier and S. P. Gould. 2,140,274; Dec. 13.
Filler material for welding. J. R. Dawson. 2,139,730; Dec. 13.
Filling machine. M. Goldberg. 2,139,744; Dec. 13.
Film, Antistatic photographic. M. Marasco and E. B. Middleton. 2,139,689; Dec. 13.
Film, Antistatic photographic. A. D. Slack and A. A. Young. 2,139,778; Dec. 13.
Film, Buffered photographic. G. F. Nadeau. 2,139,767; Dec. 13.
Film developing method. R. A. Webster. 2,140,438; Dec. 13.
Film, Moistureproofed. M. Marasco. 2,140,089; Dec. 13.
Film winding mechanism. J. Mihalyi. 2,140,445; Dec. 13.
Filter: *See*—
Oil filter.
Finish, Colored metallic. D. G. Higgins. 2,139,824; Dec. 13.
Fish pole holder. L. E. Huntley. 2,139,826; Dec. 13.
Fixture, Safety. F. J. Minkel. 2,140,477; Dec. 13.
Flat iron holder. F. A. Dolge. 2,139,809; Dec. 13.
Floor block. W. H. McKissick. 2,140,086; Dec. 13.
Floor construction, Monolith slab. H. A. Faber. 2,140,283; Dec. 13.
Floor covering or rug. R. G. Knowland and J. N. Dow. 2,140,457; Dec. 13.
Floor structure. G. R. Cunnington. 2,139,882; Dec. 13.
Flower, Imitation. W. F. Martin. 2,140,022; Dec. 13.
Fluid coupling. J. C. Cox, W. F. Boldt, and G. H. Thomas. 2,140,106; Dec. 13.
Fluid irradiating apparatus. W. Baeckler. 2,139,656; Dec. 13.
Fluid levels, Apparatus for gauging. W. B. Duncan. 2,139,810; Dec. 13.
Fluid lift pump. W. C. Doyle. 2,140,419; Dec. 13.
Fluorescence detecting apparatus. E. W. Boerstler. 2,139,797; Dec. 13.
Folding chair. A. F. Draper. 2,139,673; Dec. 13.
Foot measuring device. J. Fitzpatrick. 2,139,741; Dec. 13.
Footwear. J. Farina. 2,140,422; Dec. 13.
Forceps, Dental. E. E. Buskirk. 2,140,280; Dec. 13.
Forehearth for molten glass. K. E. Peller and W. T. Barker, Jr. 2,139,770; Dec. 13.
Forehearth for molten glass. K. E. Peller and W. T. Barker, Jr. 2,139,911; Dec. 13.
Fork, Turf. E. Leeberg. 2,140,266; Dec. 13.
Form aligning device, Multiple. E. J. Nichols. 2,140,028; Dec. 13.
Form spreader. W. A. Ferris. 2,140,153; Dec. 13.
Foundation columns, Method and apparatus for forming concrete. W. J. Newman. 2,140,111; Dec. 13.
Foundation for checkerwork construction. G. L. Danforth, Jr. 2,139,729; Dec. 13.
Fountain, Storage battery water supply. F. K. Nomiya. 2,140,432; Dec. 13.
Freezing with fruit juices. M. T. Zarotschenzeff. 2,140,043; Dec. 13.
Fruit preparation machine. A. R. Thompson and W. de Back. 2,139,704; Dec. 13.
Fruit process and product, Dried. H. D. Rey. 2,139,915; Dec. 13.
Fuel burner, Liquid. A. Macdonald. 2,140,088; Dec. 13.
Fuel feeding system for internal combustion engines. M. G. Chandler. 2,139,804; Dec. 13.
Fuel injection and mixture controlling apparatus for internal combustion engines. C. F. High. 2,139,894; Dec. 13.

Fuel supplying apparatus. C. M. Bovard. 2,140,101; Dec. 13.
Furnace: *See*—
Electrically heated furnace.
Furnace construction. L. H. Hosbein. 2,140,185; Dec. 13.
Furnace for melting metal. J. W. Bangle. 2,140,181; Dec. 13.
Furnace reversing means, Regenerative. W. E. Shenk and B. M. Larsen. 2,139,861; Dec. 13.
Game. S. E. Van Tuyl. 2,139,783; Dec. 13.
Game. G. E. Weinberger. 2,140,193; Dec. 13.
Game apparatus. D. E. Bronstein. 2,139,875; Dec. 13.
Game apparatus. N. Klinger. 2,140,082; Dec. 13.
Game apparatus. R. A. Wood. 2,140,411; Dec. 13.
Garment. C. L. Jasper. 2,140,290; Dec. 13.
Garment, Child's. V. L. Stephenson. 2,139,865; Dec. 13.
Gas or vapor compressors, Control of. A. E. Beals. 2,140,306; Dec. 13.
Gear: *See*—
Draft gear. Landing gear.
Gem setting tool. R. C. Bangs. 2,140,465; Dec. 13.
Generator: *See*—
Electrical oscillation generator.
Generator for carburetors, Vapor. D. H. Cleem. 2,140,071; Dec. 13.
Generator, Stabilization of oscillation. W. E. Kock. 2,139,898; Dec. 13.
Generator structure, Wind driven. W. G. Dunn. 2,140,152; Dec. 13.
Girdle. M. Simon. 2,140,273; Dec. 13.
Glass, Apparatus for producing sheet. J. L. Drake. 2,140,281; Dec. 13.
Glass, Apparatus for tempering. J. L. Drake. 2,140,282; Dec. 13.
Glazes, Producing lead. H. Harkort. 2,140,381; Dec. 13.
Glockenspiel attachment. P. A. Laffey. 2,140,429; Dec. 13.
Gluconates and making the same, Aromatic mercury. C. N. Andersen. 2,139,712; Dec. 13.
Gooseneck bicycle lock. A. G. and F. L. Southwell. 2,139,984; Dec. 13.
Governor for internal combustion engines. W. E. Leibing. 2,139,832; Dec. 13.
Grinding device. A. I. Dunn. 2,139,887; Dec. 13.
Gripping tool. J. P. Lynch. 2,140,430; Dec. 13.
Guard, Outboard motor propeller. W. H. Wise. 2,140,099; Dec. 13.
Guard, Removable door handle. E. Lewis. 2,140,239; Dec. 13.
Guard, Window. J. Kaufman. 2,140,015; Dec. 13.
Guide for valves for flush tanks. L. F. Shesler. 2,139,862; Dec. 13.
Gun, Machine. C. J. Michal, Jr. 2,139,691; Dec. 13.
Hair curling apparatus. P. Hitzigrath. 2,139,751; Dec. 13.
Hair waving pad. W. L. Moody and S. J. Wagar. 2,140,243; Dec. 13.
Hairpin holder. W. H. Steger. 2,140,251; Dec. 13.
Hand protector. D. M. Kessler. 2,139,897; Dec. 13.
Handbag novelty, Child's. M. S. and I. Banner. 2,140,124; Dec. 13.
Handle: *See*—
Detachable handle.
Handle. R. I. Huffman. 2,140,157; Dec. 13.
Handle construction, Adjustable door. C. C. Gravesen. 2,140,203; Dec. 13.
Handrail for moving stairway, Multipart. H. W. Shonnard. 2,140,034; Dec. 13.
Harvester, Corn. W. T. Knudson. 2,139,962; Dec. 13.
Harvester, Ensilage. W. B. Thieman. 2,139,868; Dec. 13.
Headlight system. J. W. Van Denburg. 2,139,707; Dec. 13.
Heat distribution for buildings. C. B. Simoneau. 2,139,775; Dec. 13.
Heat exchange apparatus. W. S. Buell. 2,140,279; Dec. 13.
Heat transfer fluid. J. G. Ford. 2,139,945; Dec. 13.
Heat value of flowing fluids, Determining the. J. M. Naiman. 2,139,768; Dec. 13.
Heating element and making same, Electrical. E. L. Wiegand. 2,139,785; Dec. 13.
Heating element, Electrical. E. L. Wiegand. 2,139,786; Dec. 13.
Heel, Removable. E. De Gironimo. 2,139,885; Dec. 13.
Highway. J. R. Fordyce. 2,139,816; Dec. 13.
Highway and rail vehicle, Pneumatic-tired. W. B. Fageol. 2,140,421; Dec. 13.
Hinge, Extension. R. W. Banks. 2,140,412; Dec. 13.
Hinge fixture, Sash. U. S. Applegate. 2,139,651; Dec. 13.
Hoist, Traveling. W. H. Ringe. 2,139,772; Dec. 13.
Holder: *See*—
Bag holder. Key holder.
Fish pole holder. Manuscript holder.
Flatiron holder. Wire holder.
Hairpin holder.
Holder for nail polish, Finger-supported. A. Jefferis. 2,140,231; Dec. 13.
Holder for stereoscopic pictures, Film. L. E. W. Van Albada. 2,139,782; Dec. 13.
Homogenizer. H. Fromm. 2,140,076; Dec. 13.
Hook coupling. W. H. Moffatt. 2,140,164; Dec. 13.
Hose coupling. H. W. Goodall. 2,139,745; Dec. 13.
Hose structure. A. J. and I. F. Fausek. 2,139,888; Dec. 13.
Hosiery and making the same. C. A. Kaufman. 2,139,755; Dec. 13.
Hydraulic resistance device. J. Gogan. 2,139,817; Dec. 13.
Hydraulic transmission system. O. Ljungstrom. 2,139,965; Dec. 13.
Hydrocarbons, Apparatus for converting. J. P. Furlong. 2,140,316; Dec. 13.
Hydrocarbons into liquid hydrocarbons, Converting gaseous. E. C. Mills. 2,139,969; Dec. 13.
Hydrocarbons, Production of valuable products from petroleum. R. Rosen and C. A. Cohen. 2,139,773; Dec. 13.
Ice carrier. B. C. Hosselkus. 2,139,895; Dec. 13.
Ignitron, Sealed-off. D. E Marshall. 2,140,369; Dec. 13.
Illumination. H. I. Day and H. D. Ellsworth. 2,139,732; Dec. 13.
Impregnation solutions. B. O. Häger. 2,139,747; Dec. 13.
Impressions on a moving web, Viewing. A. J. Horton. 2,140,402; Dec. 13.
Impulse transmitter. A. H. Miller. 2,140,138; Dec. 13.
Indicating device for vehicle lights. G. W. Hipsley. 2,140,229; Dec. 13.
Indicator: *See*—
Temperature indicator. Turn indicator.
Turn-bank and position indicator.
Inductive device. R. M. Greenidge. 2,140,154; Dec. 13.
Inkstand. H. E. Rhinehalt. 2,140,057; Dec. 13.
Input loading characteristics of class B amplifiers. P. H. Osborn and L. R. Harness. 2,140,370; Dec. 13.
Insecticide. W. G. Rose and H. L. J. Haller. 2,140,481; Dec. 13.
Insulating board, Acoustical and fire resistant composition fiber. C. Batcheller. 2,140,195; Dec. 13.
Interchangeable sign. R. J. Shaw and J. R. Slavsky. 2,140,033; Dec. 13.
Internal combustion engine, Air-cooled. H. Alfaro. 2,140,397; Dec. 13.
Internal combustion engine, Two-stroke. W. Howald. 2,140,454; Dec. 13.
Inverted piston pump. C. Rokkjar. 2,139,972; Dec. 13.
Irradiating process and apparatus. W. Baeckler. 2,139,657; Dec. 13.
Iron alloy, Producing an. W. J. Doyle and J. J. Wollenhaupt. 2,139,939; Dec. 13.
Jack: *See*—
Pneumatic jack.
Joint: *See*—
Expansion joint. Universal joint.
Threaded joint.
Joint or coupling, Rod. R. H. Mueller. 2,140,245; Dec. 13.
Key holder. R. E. Tyvand. 2,139,706; Dec. 13.
Knife blade cleaner. H. Rietveld. 2,140,209; Dec. 13.
Knitting machine. W. L. Houseman. 2,139,754; Dec. 13.
Knitting machine. K. R. Lieberknecht. 2,140,366; Dec. 13.
Knitting machine, Single and double cast-off. F. J. Kern. 2,139,756; Dec. 13.
Knitting machines, Device for regulating the length of the loops in straight bar. K. R. Lieberknecht. 2,140,240; Dec. 13.
Knitting machines, Plating device for. M. Zimic and A. Miskovsky. 2,139,790; Dec. 13.
Lactoflavin concentrates, Preparing. H. F. Seibert. 2,139,857; Dec. 13.
Lactone and the manufacture of same, 3-keto-D-pentonic acid. T. Reichstein. 2,140,480; Dec. 13.
Lamp: *See*—
Multifilament lamp.
Land vehicle. G. A. Collender. 2,139,937; Dec. 13.
Landing gear, Retractable. C. H. Kingham. 2,140,264; Dec. 13.
Lantern, Electric hand. C. H. Larson. 2,140,159; Dec. 13.
Latch: *See*—
Bench builder and safety latch.
Lather dispenser. W. J. Dobkin. 2,139,735; Dec. 13.
Lead titanate and making the same, Pigmentary. H. Espenschied. 2,140,222; Dec. 13.
Lens and manufacturing the same. E. H. Titmus. 2,140,410; Dec. 13.
Lighter, Cigar. J. H. Cohen. 2,140,311; Dec .13.
Lighting mechanism, Pyrophoric. L. V. Aronson. 2,140,277; Dec. 13.
Light-sensitive system. E. H. Vedder. 2,140,373; Dec. 13.
Ligno-cellulose products, Momentary-pressure process of making. W. H. Mason. 2,140,189; Dec. 13.
Liquids, Dielectric. A. A. Levine and O. W. Cass. 2,139,964; Dec. 13.
Liquids, Process and apparatus for contacting two. R. R. Wilson, E. K. Brown, and F. L. White. 2,139,871; Dec. 13.

Lithographic machine, Offset. R. Aberle. 2,140,256; Dec. 13.
Loading apparatus. O. F. Brauer. 2,139,667; Dec. 13.
Loading machine, Portable. N. D. Levin. 2,139,834; Dec. 13.
Lock: *See*—
Gooseneck bicycle lock.
Lock. A. W. Miller. 2,139,842; Dec. 13.
Lock and alarm, Window. F. Piper. 2,139,848; Dec. 13.
Lock device. S. Wise. 2,140,489; Dec. 13.
Lock for automobiles, Door. J. Drzewiecki. 2,140,129; Dec. 13.
Locking device. E. H. White. 2,140,066; Dec. 13.
Loom: *See*—
Axminster loom. Multished loom.
Double-shed loom.
Loom shuttle. P. L. Spencer. 2,140,060; Dec. 13.
Loom sword bearing clamp. W. H. Bahan. 2,139,993; Dec. 13.
Loom temple roll. C. D. Brown. 2,140,448; Dec. 13.
Loop length control mechanism. G. Gastrich. 2,140,472; Dec. 13.
Lubricant and lubrication therewith. A. W. Lewis. 2,139,758; Dec. 13.
Lubricating device. N. Garcia. 2,139,677; Dec. 13.
Lubrication, Central. J. Bijur. 2,139,659; Dec. 13.
Lubricator locating device. R. W. Miller. 2,139,692; Dec. 13.
Machine and process for making corrugated tubing. A. Benson. 2,139,714; Dec. 13.
Machine for attaching decalcomania films about cylindrical objects. A. O. Johnson. 2,140,186; Dec. 13.
Machine for cracking nuts. D. La Ferney. 2,140,428; Dec. 13.
Machine for grinding drill bits. F. Dixon. 2,139,938; Dec. 13.
Machine for increasing the flexibility of soles. F. R. Merritt. 2,139,765; Dec. 13.
Machine for making bolts. W. L. Clouse. 2,139,936; Dec. 13.
Machine for separating shoes from lasts. E. A. Bessom. 2,139,658; Dec. 13.
Machine for the continuous printing of negative films on a plurality of positives at the same time. M. A. Dalotel. 2,139,806; Dec. 13.
Machine for topping sugar beets in the ground. W. M. Catchpole. 2,139,802; Dec. 13.
Machine for trimming and/or beveling the edges of metal plates. W. R. Hume. 2,140,384; Dec. 13.
Machinery, Cleaning textile. E. J. Eaddy. 2,140,420; Dec. 13.
Magnesium carbonate and process of manufacture. H. H. Chesny. 2,139,934; Dec. 13.
Magnetic material, Heat treating. T. D. Yensen and S. L. Burgwin. 2,140,374; Dec. 13.
Maize header. W. Curry. 2,139,883; Dec. 13.
Malates and making the same, Aromatic mercury. C. N. Andersen. 2,139,711; Dec. 13.
Maleic anhydride, Recovery of. E. B. Punnett. 2,140,140; Dec. 13.
Mallet, Polo. H. H. Howard. 2,140,383; Dec. 13.
Manifolding machine. H. J. Waechter. 2,140,065; Dec. 13.
Manuscript holder. M. Oppenheimer. 2,140,090; Dec. 13.
Marble sheet and forming same, Synthetic. C. Batcheller. 2,140,197; Dec. 13.
Match package. A. B. Linker. 2,140,241; Dec. 13.
Material for stuffing upholstery, Producing resilient fibrous. J. A. Talalay. 2,140,063; Dec. 13.
Materials, Treating. R. N. Wallach and J. Zender. 2,140,341; Dec. 13.
Meat cooking. H. H. McKee. 2,140,163; Dec. 13.
Meat tenderer. E. Little. 2,140,160; Dec. 13.
Meat treating method. H. H. McKee. 2,140,162; Dec. 13.
Mechanism control. S. A. Snell. 2,139,863; Dec. 13.
Mercaptides, Oxidation of. D. L. Yabroff and J. W. Givens. 2,140,194; Dec. 13.
Metal and procedure for producing the same, Sheet. W. Worthington. 2,139,872; Dec. 13.
Metal bodies, Cutting composite. H. V. Inskeep. 2,139,957; Dec. 13.
Metal flashing. C. L. Schilling. 2,140,407; Dec. 13.
Metallic articles, Apparatus for grinding. H. H. Giles. 2,139,952; Dec. 13.
Meter: *See*—
Wave meter.
Meter and time switch, Combination. E. Greenwood and K. W. Struck. 2,139,821; Dec. 13.
Methacryl-containing compounds, Production of. J. W. C. Crawford and J. McGrath. 2,140,469; Dec. 13.
Milk, Heat treatment of. V. Hass. 2,140,011; Dec. 13.
Mill: *See*—
Tube or bar rolling mill.
Mills, Lubricating and cooling system for rolling. W. T. Hurtt and F. G. Bannerot. 2,140,289; Dec. 13.
Mineral material, Preparing a starch enveloped. H. T. Ruff. 2,140,394; Dec. 13.
Mineral separation, Apparatus for. M. E. Haworth. 2,139,823; Dec. 13.
Minerals of different specific gravities in crushed ores, Method and apparatus for separating fragmentary. C. E. Wuensch. 2,139,789; Dec. 13.
Mirror, Dental. H. D. Greenberg. 2,140,005; Dec. 13.
Mirror, Triplicate folding hand. C. R. Bostwick. 2,140,069; Dec. 13.
Mixing apparatus. L. L. Dollinger. 2,140,315; Dec. 13.
Moistening process, Vacuum. M. A. Hirschl and C. J. Merriam. 2,139,681; Dec. 13.
Mold: *See*—
Baker's mold.
Molding. L. Lamer. 2,140,234. Dec. 13.
Motion transmitting system, Rotary. H. Gawehn. 2,140,380; Dec. 13.
Motor: *See*—
Small synchronous motor. Suction motor.
Motor vehicle. F. E. Dayes. 2,139,807; Dec. 13.
Motor vehicle. H. A. Hicks. 2,139,750; Dec. 13.
Mounting: *See*—
Axle mounting. Suspension mounting.
Crystal mounting.
Mounting. R. U. Clark. 2,140,441; Dec. 13.
Muffling device, Vertical. K. P. Durham. 2,139,736; Dec. 13.
Multifilament lamp. F. J. Major. 2,139,762; Dec. 13.
Multiple switch. L. L. Manley. 2,140,296; Dec. 13.
Multished loom. W. F. Bird. 2,139,994; Dec. 13.
Music, Method and apparatus for the production of. B. F. Miessner. 2,140,025; Dec. 13.
Neckwear. M. R. Knoyle. 2,139,959; Dec. 13.
Needle, Phonograph. S. F. Nabers. 2,140,392; Dec. 13.
Noise reducing device for adding machines and the like. W. W. Landsiedel. 2,140,135; Dec. 13.
Nozzle, Hose. R. E. Byars. 2,139,926; Dec. 13.
Office device. J. H. Hotson. 2,140,382; Dec. 13.
Oil and lubrication therewith, Lubricating. E. W. Cook. 2,139,725–6; Dec. 13.
Oil burner. H. C. Tucker. 2,139,974; Dec. 13.
Oil burner, Rotary crude. L. Motley. 2,140,244; Dec. 13.
Oil composition. F. W. Breth and A. Kinsel. 2,139,668; Dec. 13.
Oil cracking process, Combined liquid phase and vapor phase. B. P. Crittenden. 2,139,672; Dec. 13.
Oil filter. P. J. Lucas. 2,140,388; Dec. 13.
Oil filter. J. G. MacCormack. 2,140,020; Dec. 13.
Oil stabilizing agent and composition containing same, Mineral. L. A. Mikeska and C. A. Cohen. 2,139,766; Dec. 13.
Oil, Treatment of oiticica. J. P. Stancil. 2,139,864; Dec. 13.
Oils, Continuous coking of hydrocarbon. J. G. Alther. 2,140,276; Dec. 13.
Oils, Distilling hydrocarbon. R. S. Danforth. 2,140,450; Dec. 13.
Oils, Process and apparatus for treating mineral. M. R. Fenske and W. B. McCluer. 2,139,943; Dec. 13.
Oils, Production of synthetic drying. A. Schwarcman. 2,140,271; Dec. 13.
Oils, Refining mineral. E. Terres, E. Saegebarth, J. Moos, and H. Ramser. 2,140,485; Dec. 13.
Oils, Treatment of hydrocarbon. M. W. Barnes. 2,140,278; Dec. 13.
Olefines, Hydration of. H. M. Guinot. 2,139,953; Dec. 13.
Opener, Package. E. J. Mallen. 2,140,021; Dec. 13.
Optical fusionmeter. M. O. Ranoe. 2,139,850; Dec. 13.
Oscillator, Radio tube. J. Markowitz. 2,140,267; Dec. 13.
Oscillight, Projecting. P. T. Farnsworth. 2,140,284; Dec. 13.
Oven and system of ventilation therefor. H. E. Somes. 2,140,337; Dec. 13.
Oven construction for stoves. A. K. Weiskittel. 2,139,988; Dec. 13.
Oven door. M. Paul. 2,140,433; Dec. 13.
Ovens, Construction for. A. K. Weiskittel. 2,139,990; Dec. 13.
Package fabricator. L. L. Salfisberg. 2,140,117; Dec. 13.
Pad: *See*—
Hair waving pad. Tongue pad.
Padlock. S. Wise. 2,140,490; Dec. 13.
Pan, Multiple baking. J. Cotts. 2,139,999; Dec. 13.
Paper making machine, Cross-current flow Fourdrinier. E. E. Berry. 2,139,874; Dec. 13.
Partition structure and lathing therefor. T. R. Herbest, Jr. 2,139,749; Dec. 13.
Pear peeling, coring, and splitting machine. M. Reinstein. 2,139,695; Dec. 13.
Petroleum stocks at low temperature, Sulphuric acid treatment of dewaxed. E. J. Martin. 2,140,161; Dec. 13.
Phonograph, Automatic. R. R. Erbe. 2,139,812; Dec. 13.
Photoelectric relay apparatus. P. Juchter. 2,140,387; Dec. 13.
Photographic developers. G. Wilmanns, H. Fricke, and E. J. Birr. 2,139,870; Dec. 13.
Photographic emulsions, Sensitizing and hardening. S. E. Sheppard, R. C. Houck, and R. H. Lambert. 2,139,774; Dec. 13.
Photographic exposures, Making. W. C. Huebner. 2,139,956; Dec. 13.
Photographic objective. W. Merté. 2,140,024; Dec. 13.
Photographing apparatus. A. E. Hart. 2,140,050; Dec. 13.
Photography with or without color, Apparatus for. A. H. J. D. Saint Genies. 2,139,855; Dec. 13.
Pigment. E. Lederle, M. Günther, and R. Brill. 2,140,236; Dec. 13.
Pigment, White. E. Lederle, M. Günther, and R. Brill. 2,139,686; Dec. 13.
Pigment, White. E. Lederle, M. Günther, and R. Brill. 2,140,235; Dec. 13.

Pigments and producing the same, Lead chromate. S. C. Horning. 2,139,753; Dec. 13.
Pilot, Hydropneumatic automatic. B. G. Carlson. 2,139,878; Dec. 13.
Pipe: *See*—
Tobacco pipe.
Pipe bowl scraper attachment, Tobacco. J. M. Mayer. 2,139,838; Dec. 13.
Pipe, Tobacco. G. E. Hormbrey. 2,140,031; Dec. 13.
Piston expander. C. F. Johnston. 2,140,133; Dec. 13.
Piston mold mechanism. P. S. Diamond. 2,139,734; Dec. 13.
Planter. S. W. Thompson. 2,140,096; Dec. 13.
Plate and rail clip combination, Tie. V. C. Armstrong. 2,140,217; Dec. 13.
Platform, Binder. B. H. Lomnes. 2,140,054; Dec. 13.
Plug: *See*—
Spark plug.
Plug valve, Back pressure. A. L. Stone. 2,139,983; Dec. 13.
Plumber's appliance. C. H. Tanner. 2,139,702; Dec. 13.
Plywood. G. Colucci. 2,139,880; Dec. 13.
Pneumatic jack. R. V. Morse. 2,140,325; Dec. 13.
Pocket for vehicle bodies, Stake. C. J. Ernst. 2,140,074; Dec. 13.
Polymerization products, Production of. H. Fikentscher and C. Heuck. 2,140,048; Dec. 13.
Positioning device. A. J. Lewis. 2,140,019; Dec. 13.
Post, Heddle bar. P. L. Spencer and C. A. Dodge. 2,140,061; Dec. 13.
Power plant, Combustion-products. J. Maina. 2,140,085; Dec. 13.
Power supply for rectifier auxiliaries. E. V. De Blieux. 2,140,377; Dec. 13.
Power transmission. C. Breer. 2,139,717; Dec. 13.
Power transmission. E. R. Maurer. 2,139,764; Dec. 13.
Power transmission mechanism, Variable speed. F. A. Hayes. 2,140,012; Dec. 13.
Power wrench. B. N. Foster. 2,140,223; Dec. 13.
Preheater. F. Graetz. 2,139,819; Dec. 13.
Printing plates, Production of color. W. F. Sinn. 2,139,917; Dec. 13.
Propeller blade pitch regulator. C. L. Smith. 2,139,982; Dec. 13.
Protector: *See*—
Hand protector.
Pulley, Grooved. W. A. Bilger and D. M. Watson. 2,140,068; Dec. 13.
Pulley, Variable-pitch. R. H. Bowen. 2,140,182; Dec. 13.
Pull-over, slip-over, and like garments. W. F. Martin. 2,140,406; Dec. 13.
Pump: *See*—
Fluid lift pump. Inverted piston pump.
Pump, engine, and the like. L. G. Savage. 2,139,856; Dec. 13.
Rack: *See*—
Display rack.
Radio circuit. P. W. Redcay. 2,140,141; Dec. 13.
Radio receiver. F. W. Lyle. 2,140,368; Dec. 13.
Radio receiving system. S. Hunt. 2,140,108; Dec. 13.
Radio system. C. W. Earp. 2,140,130; Dec. 13.
Rail and highway vehicle, Convertible. W. J. Tomkins. 2,140,121; Dec. 13.
Rail plate, Spikeless. J. G. Briggs. 2,139,720; Dec. 13.
Range, Combination heating and cooking. J. E. Leonard. 2,140,110; Dec. 13.
Razor, Miniature safety. V. Heinrich. 2,139,680; Dec. 13.
Receiver, Superheterodyne. W. V. Roberts. 2,140,115; Dec. 13.
Reclosing device for circuit breakers. L. W. Dyer. 2,140,352; Dec. 13.
Recorder, Air speed acceleration. H. J. E. Reid and R. V. Rhode. 2,139,694; Dec. 13.
Rectifiers, Manufacturing dry. E. Barrey. 2,139,791; Dec. 13.
Reel end signal for motion picture projectors. O. Hemmingson. 2,140,227; Dec. 13.
Reference stand. P. O. Unger. 2,140,176; Dec. 13.
Refractory granules, Colored glass coated. C. E. Hillers and H. L. Small. 2,139,955; Dec. 13.
Refrigerating method and apparatus. C. W. Stratford. 2,140,462; Dec. 13.
Refrigeration system. L. Buehler, Jr. 2,140,415; Dec. 13.
Refrigerator. L. L. Stratton. 2,139,779; Dec. 13.
Refrigerator breather tube. G. Wingard. 2,139,991; Dec. 13.
Register, Adjustable. L. E. Heasley. 2,139,893; Dec. 13.
Register, Autographic. H. J. Waechter. 2,140,487; Dec. 13.
Register, Cash. E. Breitling and E. Wagner. 2,139,719; Dec. 13.
Register, Price. P. W. Waschau. 2,140,253; Dec. 13.
Regulating apparatus. J. F. Kovalsky. 2,140,363; Dec. 13.
Regulating device for internal combustion engines. M. L. Mennesson. 2,139,841; Dec. 13.
Regulator: *See*—
Propeller blade pitch regulator.
Regulator apparatus for X-ray machines. O. H. Pieper. 2,140,299; Dec. 13.
Relaxer. E. D. and G. H. Brown. 2,140,310; Dec. 13.
Reservoir, Fuel. G. Levine. 2,140,018; Dec. 13.
Resins, Hydrogenation of coumarone-indene. W. H. Carmody. 2,139,722; Dec. 13.
Restraining device. J. C. Yokum. 2,139,710; Dec. 13.
Rims of non-symmetrical cross-sectional contour, Forming. F. H. Le Jeune and J. E. Copeland. 2,139,833; Dec. 13.
Ring, pin, or other ornament and its manufacture, Composite insignia pressed metal. F. Whitaker. 2,140,396; Dec. 13.
Road building and reclamation machine. F. Cluster. 2,140,105; Dec. 13.
Rock sampling method. V. V. Vacquier. 2,140,097; Dec. 13.
Roller wear compensator, Feed and separator. F. J. Rouan. 2,140,171; Dec. 13.
Roller wear compensator, Separator. F. J. Rouan. 2,140,170; Dec. 13.
Rolling pin for rolling and aerating dough. F. C. Hunt. 2,139,825; Dec. 13.
Roof. W. Colvin, Jr. 2,140,220; Dec. 13.
Rope, Lubricating wire. W. D. Hodson. 2,140,426; Dec. 26.
Rotary switch. H. Broadwell. 2,140,126; Dec. 13.
Rotor and making the same, Squirrel cage. F. E. Harrell. 2,139,748; Dec. 13.
Rubber and making the same, Cellular. E. A. Murphy and E. W. Madge. 2,140,026; Dec. 13.
Rubber bundle, Corrugated. F. E. Williams and H. F. Irving. 2,139,922; Dec. 13.
Rubber latex, Concentrating. E. Benzing and J. Jaenicke. 2,140,198; Dec. 13.
Rubber products, more particularly of porous and spongy masses and articles, Manufacture of. J. A. Talalay. 2,140,062; Dec. 13.
Rubber stocks and of pigment complexes for compounding therewith, Manufacture of. F. G. Breyer and J. P. Hubbell. 2,139,995; Dec. 13.
Sadiron construction. H. A. Smith. 2,140,173; Dec. 13.
Safety device for gas heaters. P. L. Betz and S. Karrer. 2,140,466; Dec. 13.
Sailboat. A. Schlumpf. 2,140,250; Dec. 13.
Salt block, Stock licking. L. A. Patten. 2,139,910; Dec. 13.
Sausages, Treatment of. R. W. Reeve. 2,140,166; Dec. 13.
Saw blade, Hole. E. E. Thatcher. 2,140,192; Dec. 13.
Scanning device for television apparatus. E. Traub. 2,139,869; Dec. 13.
Scraper attachment. O. E. V. Oslund. 2,139,769; Dec. 13.
Screen: *See*—
Vibrating screen. Well screen.
Screw with socketed head and plurality of slots. F. K. Brown. 2,140,449; Dec. 13.
Seal. F. Keidel. 2,140,320; Dec. 13.
Seal, Shaft. W. W. Wishart. 2,140,304; Dec. 13.
Seal, Submersible pump set. V. Gutmann. 2,140,356; Dec. 13.
Seat: *See*—
Auto seat.
Seat construction, Auxiliary. F. J. Westrope, A. H. Haberstump, and A. Person. 2,140,122; Dec. 13.
Seat frame and stanchion, Combined. W. T. Rossell. 2,139,852; Dec. 13.
Sediment remover. P. Kleid. 2,139,961; Dec. 13.
Selectivity control, Automatic. H. F. Mayer. 2,140,391; Dec. 13.
Selector-translator. H. R. Allensworth. 2,139,655; Dec. 13.
Separator for the separation of liquids tending to form froth, Centrifugal. N. E. Bergner. 2,139,715; Dec. 13.
Servo mechanism. L. N. Swisher. 2,140,037; Dec. 13.
Set for the dressing table, Electrically operated combination. A. O. Belaschk and H. K. Schoen. 2,140,307; Dec. 13.
Sewing machines, Measuring and cutting attachment for. G. D. Collar. 2,140,416; Dec. 13.
Shade construction, Roller window. E. L. Grauel. 2,140,049; Dec. 13.
Shade, Window. W. B. Galley. 2,139,950; Dec. 13.
Sharpener for lawn mowers, Blade. H. T. Walker. 2,140,437; Dec. 13.
Shears, Grass. F. G. Heumann. 2,140,288; Dec. 13.
Shearing machine. J. K. Oualline. 2,139,846; Dec. 13.
Sheet feeder. J. H. McElroy, E. J. Yeo, and F. G. Binder. 2,140,023; Dec. 13.
Sheets, Method of and mechanism for registering. E. W. Goodwin. 2,140,006; Dec. 13.
Sheets, Method of and apparatus for separating laminated. W. H. Wineman. 2,139,708; Dec. 13.
Shelf supporting structure for ovens, Movable. A. K. Weiskittel. 2,139,989; Dec. 13.
Shingle. G. H. Graham. 2,139,820; Dec. 13.
Shirt with detachable collar. R. R. Ruth. 2,140,249; Dec. 13.
Shock absorber. C. R. Hanna. 2,140,357–8; Dec. 13.
Shock absorber. E. Vincenti. 2,140,252; Dec. 13.
Shoe. E. F. Roberts. 2,140,302; Dec. 13.
Shoe and making same. H. L. Sutcliffe. 2,140,119; Dec. 13.
Shoe, Arch-supporting. P. I. Watts. 2,140,464; Dec. 13.
Shoes, Manufacture of moccasin type. F. Ashworth and L. S. Curtin. 2,139,713; Dec. 13.
Shovel, Power. C. E. Stiehl. 2,140,460; Dec. 13.

Shutter actuating arrangements for folding cameras. C. W. Crumrine. 2,139,728; Dec. 13.
Shutter, Focal plane. J. Mihalyi. 2,140,446; Dec. 13.
Sickle header for harvesters and the like. J. H. Bane. 2,139,927; Dec. 13.
Sign: *See*—
Interchangeable sign.
Sign. J. Fodor. 2,139,815; Dec. 13.
Sign. R. G. Regester. 2,140,301; Dec. 13.
Sign character, Luminous tube. A. C. Deans. 2,139,884; Dec. 13.
Sign or license plate. C. Batcheller. 2,140,067; Dec. 13.
Sink drain trap. R. H. Vanerstrom. 2,140,436; Dec. 13.
Skate. H. R. Segal. 2,139,699; Dec. 13.
Skate attachment, Roller. M. Galgoczy. 2,140,224; Dec. 13.
Slag, Apparatus for handling molten. J. W. Forsythe and W. Stewart. 2,139,949; Dec. 13.
Small synchronous motor. B. E. Lenehan. 2,140,365; Dec. 13.
Sole blank, Tap. C. G. Shaw. 2,140,211; Dec. 13.
Soles, Making. F. Sbicca. 2,140,118; Dec. 13.
Sound, Photographically recording. J. Engel, J. Massolle, and H. Vogt. 2,140,003; Dec. 13.
Sound record and recording, Photographic. A. Poulsen, O. K. Kolb, A. S. Pratt, and D. W. Boston. 2,140,300; Dec. 13.
Sound recording and reproducing system. S. W. Seeley. 2,139,916; Dec. 13.
Sound reproducing device of the pneumatic relay type. O. K. Kolb and W. J. Rickets. 2,140,293; Dec. 13.
Sound reproducing system. S. G. Sears. 2,140,032; Dec. 13.
Spark plug. C. R. Benton. 2,139,793; Dec. 13.
Speed control for welding machines. A. F. Brunkow. 2,139,931; Dec. 13.
Speed responsive means. G. S. Lunge. 2,140,390; Dec. 13.
Speed transmission, Automatic variable. W. Hartz. 2,139,892; Dec. 13.
Spindle, Motion picture camera supply reel. R. W. Wengel. 2,139,784; Dec. 13.
Splined clutch, Oil cushion. R. E. Wissman. 2,140,216; Dec. 13.
Spring wheel. D. E. Morphew. 2,140,431; Dec. 13.
Springs, Lubricating. W. F. Eisenhauer. 2,139,738; Dec. 13.
Stabilizer for automobile steering gears. H. W. Bogart. 2,139,666; Dec. 13.
Stacking mechanism. J. E. Blosser and P. Burke. 2,139,796; Dec. 13.
Stand: *See*—
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Starter for engines, Safety hand crank. S. Riddell. 2,140,030; Dec. 13.
Steam drier. H. L. Taff. 2,139,985; Dec. 13.
Steel, Making. W. Rohn. 2,139,853; Dec. 13.
Steering mechanism. G. J. Heppner and E. F. Chase. 2,140,319; Dec. 13.
Stencil. A. E. Schutte. 2,140,483; Dec. 13.
Stocking boarding machine. F. G. Kommrusch. 2,140,321; Dec. 13.
Stoker. C. E. Harrison. 2,140,317; Dec. 13.
Stop control means for core wrapping machines. J. J. Keyes. 2,140,361; Dec. 13.
Stop motion for knitting machines. E. H. Newell. 2,140,087; Dec. 13.
Stove and method of constructing and assembling, Cabinet. A. G. Sherman. 2,140,408; Dec. 13.
Strength testing machine. W. Rabkin. 2,140,331–2; Dec. 13.
Stud and joist, Metal. C. E. Dellenbarger and M. Mannist. 2,140,313; Dec. 13.
Studio couch. E. E. Woller. 2,139,923; Dec. 13.
Suction cleaner. W. D. Sellers and E. Babcock. 2,140,143; Dec. 13.
Suction motor. D. Kuskin. 2,140,458; Dec. 13.
Sulphonates, Purification of petroleum mahogany. G. A. Kessler and M. Blumer. 2,140,263; Dec. 13.
Support: *See*—
Arch support. Camera support.
Support. C. H. Malben. 2,139,837; Dec. 13.
Support for paint buckets and the like. O. W. F. Bergstrom. 2,140,045; Dec. 13.
Surgical decompression apparatus. C. J. Pilling and B. L. Gordon, Jr. 2,140,113; Dec. 13.
Suspension mounting. R. U. Clark. 2,140,443; Dec. 13.
Switch: *See*—
Meter and time switch. Rotary switch.
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Switch. A. Arutunoff. 2,140,149; Dec. 13.
Switching system, Telegraph switchboard. A. R. Bonorden, F. J. Carter, and F. H. Hanley. 2,139,798; Dec. 13.
Synchronizing means. D. C. Espley. 2,140,107; Dec. 13.
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Table: *See*—
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Table for wrapping and pinch-type bending rolls, Feed. W. E. Kane. 2,140,404; Dec. 13.
Tabulating machine. W. W. Lasker. 2,140,136; Dec. 13.
Tank. G. Raymond and L. E. Young. 2,139,914; Dec. 13.
Tank. H. L. Woodruff. 2,139,924; Dec. 13.
Tanning. R. E. Hall. 2,140,008; Dec. 13.
Tanning. J. A. Wilson. 2,140,041–2; Dec. 13.
Telegraph switchboard switching system. A. R. Bonorden. 2,139,799; Dec. 13.
Telephone switchboard switching system. A. R. Bonorden. 2,139,800; Dec. 13.
Telephotographic apparatus and the like. H. Knudsen. 2,140,233; Dec. 13.
Television or the like transmission system. M. Bowman-Manifold and E. C. Cork. 2,140,102; Dec. 13.
Temperature indicator. H. Chase. 2,139,805; Dec. 13.
Temperature of nitration reactions, Controlling. P. G. Wrightsman. 2,140,345; Dec. 13.
Tensioning device. C. H. Ramsey. 2,139,913; Dec. 13.
Thermal relay. R. T. Kintzing. 2,140,362; Dec. 13.
Thermostat, Snap acting. R. A. Weinhardt. 2,139,921; Dec. 13.
Thiocyanic dithiocarbamic anhydrides and making the same. J. Claudin. 2,139,935; Dec. 13.
Thiourea derivatives. P. L. Salzberg. 2,139,697; Dec. 13.
Threaded joint. C. Cargile. 2,140,467; Dec. 13.
Tie plate and rail clip. G. T. Willard. 2,140,344; Dec. 13.
Timer. H. H. Osborn. 2,139,908; Dec. 13.
Tire grooving tool. W. Mossback. 2,140,478; Dec. 13.
Tires, Making pneumatic. C. W. McKone. 2,139,840; Dec. 13.
Toilet article case. C. J. H. Mackenzie-Kennedy. 2,139,688; Dec. 13.
Tongue pad. Seymour E. and Solomon E. Schwartz. 2,139,858; Dec. 13.
Tool: *See*—
Explosively actuated tool. Gripping tool.
Gem setting tool. Tire grooving tool.
Tool for applying dust guard caps to journal boxes. J. J. Root, Jr. 2,140,334; Dec. 13.
Tooth brush, Reversible. A. Loeffler. 2,140,294; Dec. 13.
Towel dispensing apparatus. C. A. Childsey, Jr. 2,140,440; Dec. 13.
Towing device. R. E. Moore. 2,139,970; Dec. 13.
Towing device, Automobile. H. and W. Randall. 2,139,693; Dec. 13.
Toy, Figure. P. J. Piro. 2,140,056; Dec. 13.
Toy, Walking. J. E. Wilson. 2,140,275; Dec. 13.
Trap: *See*—
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Tray, Protector. J. B. Knight. 2,140,232; Dec. 13.
Trousers and the like. J. L. Cornish. 2,140,221; Dec. 13.
Truck, Railway car. E. R. Hill. 2,140,452; Dec. 13.
Tube: *See*—
Cathode ray tube. Refrigerator breather tube.
Tube closure, Automatic. W. Pazdernick. 2,140,247; Dec. 13.
Tube or bar rolling mill, Continuous. B. Brownstein. 2,140,414; Dec. 13.
Tubes and tubular articles, Manufacture of metal. S. Smith. 2,140,434; Dec. 13.
Tubing, Method and apparatus for making thermoplastic. J. B. Tegarty. 2,140,213; Dec. 13.
Turbine. J. S. Carpenter. 2,139,932; Dec. 13.
Turbine, Water. E. A. Jackson. 2,140,230; Dec. 13.
Turn-bank and position indicator. W. K. Burgess. 2,139,670; Dec. 13.
Turn indicator. S. B. Schrader. 2,139,976; Dec. 13.
2,2'-dimethyl-4,4'-dihydroxy-para-phenanthrolin and manufacture thereof. H. Henecka. 2,140,318; Dec. 13.
Tying device. R. A. Harschneck. 2,140,156; Dec. 13.
Typewriter. W. M. Patton. 2,140,330; Dec. 13.
Typewriter action. H. W. Slavin. 2,139,700; Dec. 13.
Typewriter, Portable. G. Prezioso. 2,140,092; Dec. 13.
Undergarment, Man's. A. M. Reis. 2,140,459; Dec. 13.
Universal joint. L. L. Mallard. 2,140,295; Dec. 13.
Urea derivatives, Preparing. W. Scott. 2,140,272; Dec. 13.
Utensil, Cutting. G. M. Farabough. 2,140,075; Dec. 13.
Vaccinator. R. T. Sterling. 2,140,409; Dec. 13.
Vacuum and high vacuum pumps, Production of high. N. D. Embree. 2,139,740; Dec. 13.
Valve: *See*—
Air or gas controlling Plug valve.
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Valve arrangement of inertia shock absorbers. C. R. Hanna. 2,140,359; Dec. 13.
Valve attachment, Air vent. H. W. Teter. 2,139,867; Dec. 13.
Valve construction. A. W. Mozier. 2,140,328; Dec. 13.
Valve structure, Hydraulic shock absorber. R. F. Peo, C. F. Lautz, and G. M. Magrum. 2,139,912; Dec. 13.
Vanity case. S. Morrison. 2,140,036; Dec. 13.
Vanity case. T. Sundin and S. Morrison. 2,140,035; Dec. 13.
Vaporizer. F. J. Hamrock, E. L. Simonson, and A. P. Meng. 2,140,425; Dec. 13.
Vaporizer, Electric and automatic fuel. A. Skok and N. O. Binley. 2,139,777; Dec. 13.
Vehicle: *See*—
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Vehicle. L. S. Joslin. 2,140,053; Dec. 13.
Vehicle brake. G. W. Carlson and R. C. Russell. 2,140,379; Dec. 13.
Vehicle control mechanism, Automotive. P. M. Carter. 2,139,723; Dec. 13.

Vending machine, Pretzel stick. R. E. Drachenberg. 2,139,886; Dec. 13.
Vending machine, Wiener. S. V. McConnell and R. P. Olsson. 2,139,690; Dec. 13.
Ventilator, Crank case. L. D. Boyce. 2,139,801; Dec. 13.
Ventilator, Mattress. E. Cavicchi. 2,139,803; Dec. 13.
Vibrating screen. D. R. Royer. 2,140,172; Dec. 13.
Voltage adjusting means for X-ray machines. E. J. Ries. 2,140,393; Dec. 13.
Voltage transformation apparatus. R. H. Sullivan. 2,140,094; Dec. 13.
Vulcanization, Accelerators of. A. M. Clifford. 2,140,259; Dec. 13.
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Wall, Tiled. H. A. Meyrick. 2,139,905; Dec. 13.
Walls of wells while drilling same, Sealing the. G. Blow. 2,139,929; Dec. 13.
Wardrobe, Portable. N. L. Dilts. 2,140,418; Dec. 13.
Washbasin. E. A. Corbin, Jr. 2,139,671; Dec. 13.
Water, Treating. G. J. Fink. 2,140,401; Dec. 13.
Watrmeter, Radio frequency. R. Lee. 2,140,364; Dec. 13.
Wave clip, Permanent. J. E. Dwyer. 2,139,737; Dec. 13.
Wave meter. W. Kautter. 2,140,016; Dec. 13.
Waving device, Permanent. G. Decker. 2,140,184; Dec. 13.
Weather strip. C. A. Tea. 2,139,780; Dec. 13.
Weaving, Apparatus for hand. H. S. and R. M. H. Clark. 2,139,879; Dec. 13.
Weighing device, Automatic. A. E. Mason and I. R. Sigman. 2,139,903; Dec. 13.
Welding, Method and apparatus for. E. Riemenschneider. 2,139,771; Dec. 13.
Well drilling machine. H. H. Elmire. 2,139,739; Dec. 13.
Well graveling apparatus. R. L. Chenault. 2,140,072; Dec. 13.
Well screen. A. W. Utt. 2,139,975; Dec. 13.
Wells, Treating. F. Bresler. 2,140,183; Dec. 13.
Welt, Leather. W. Brown. 2,140,047; Dec. 13.
Welting, Making. J. B. Hadaway. 2,139,746; Dec. 13.
Wheel: *See*—
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Wheel. H. L. Rose. 2,140,168; Dec. 13.
Wheel for knitting machines, Mutable design. H. S. Horrocks and W. D. Gorman. 2,140,078; Dec. 13.
Wheel securing device. T. C. McVeagh. 2,140,329; Dec. 13.
Wind wheel. R. K. Hartley. 2,139,954; Dec. 13.
Window element and locking means. R. W. Banks. 2,140,413; Dec. 13.
Window frame putty groove cleaning device. M. Tomarin. 2,140,120; Dec. 13.
Wiper, Windshield. E. C. Horton. 2,140,453; Dec. 13.
Wire for carbon electrode arc welding, Welding. F. Leitner. 2,140,237; Dec. 13.
Wire for electric arc welding, Welding. F. Leitner. 2,140,238; Dec. 13.
Wire holder. G. H. Hansson. 2,140,225; Dec. 13.
Wire-severing mechanism. A. L. Rosenmund. 2,140,169; Dec. 13.
Woodworking machine. J. H. Lonskey. 2,140,322–3; Dec. 13.
Wrench: *See*—
Power wrench.
Wrench. J. K. Anderson and T. Johnson. 2,139,650; Dec. 13.
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Zinciferous materials, Treating. J. O. Betterton and W. H. Bitner. 2,140,309; Dec. 13.
Zone heating. W. O. Lum. 2,140,389; Dec. 13.

CLASSIFICATION OF PATENTS

ISSUED DECEMBER 13, 1938

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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U. S. GOVERNMENT PRINTING OFFICE: 1938

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Adam Hat Stores, Inc., New York, N. Y. Men's hats. Serial No. 411,356; Dec. 20. Class 39.

Adam Hat Stores, Inc., New York, N. Y. Men's hats. Serial Nos. 411,358–9; Dec. 20. Class 39.

Altmann, Bernhard, Vienna, Austria. Socks and stockings and shawls. Serial No. 390,885; Dec. 20. Class 39.

American Brake Shoe and Foundry Company, The, doing business as American Brakeblok Division of the American Brake Shoe and Foundry Company, New York, N. Y., and Detroit, Mich. Frictional elements for brakes and clutches. 412,320; Dec. 20. Class 35.

American Brake Shoe and Foundry Company, The, doing business as American Brakeblok Division of The American Brake Shoe and Foundry Company, New York, N. Y., and Detroit, Mich. Fan belts, radiator hose, and generator couplings. Serial No. 412,321; Dec. 20. Class 35.

American Chemical Paint Company, Ambler, Pa. Chemicals. Serial No. 407,255; Dec. 20. Class 6.

American Grease Stick Company. (See Rosen, Florence.)

American Hair & Felt Company, Chicago, Ill. Rug and carpet pads or underlinings. Serial No. 401,593; Dec. 20. Class 50.

American Pharmaceutical Company, Inc., New York, N. Y. Medical preparations. Serial No. 410,943; Dec. 20. Class 6.

Andrews, Augusto J., doing business as Pawtucket Standard Braid Company, Pawtucket, R. I. Shoe laces and braids. Serial No. 411,439; Dec. 20. Class 40.

Animal Trap Company of America, Lititz, Pa. Animal traps. Serial No. 410,820; Dec. 20. Class 50.

Animal Trap Company of America, Lititz, Pa. Animal traps. Serial No. 410,822; Dec. 20. Class 50.

Arrowood, S. D., & Company, New York, N. Y. Hosiery. Serial No. 411,290; Dec. 20. Class 39.

Art Silk Corporation, New York, N. Y. Silk goods in the piece. Serial No. 411,203; Dec. 20. Class 42.

Barker Bros. Corporation, Los Angeles, Calif. Radio receiving sets. Serial No. 409,799; Dec. 20. Class 21.

Belle Knitting Corp., New York, N. Y. Ladies' and children's underwear. Serial No. 411,486; Dec. 20. Class 39.

Ben-Burk, Inc., Boston, Mass. Liqueurs. Serial No. 411,675; Dec. 20. Class 49.

Berger, Julius M., New York, N. Y. Paper bags. Serial No. 411,765; Dec. 20. Class 2.

Brad-Jo Company, Oakland, Calif. Hair tonic and scalp treating products. Serial No. 409,907; Dec. 20. Class 6.

Brown Instrument Company, The, Philadelphia and Wayne Junction, Philadelphia, Pa. Instruments for measuring moisture content. Serial No. 398,834; Dec. 20. Class 26.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard tables. Serial Nos. 412,214–5; Dec. 20. Class 22.

C. S. O. Laboratories, Dallas, Tex. Medicinal emulsion. Serial No. 409,160; Dec. 20. Class 6.

Carlton Mills Co., Inc., Philadelphia, Pa., and New York, N. Y. Woolen piece goods. Serial Nos. 411,154–5; Dec. 20. Class 42.

Carter Products, Inc., New York, N. Y. Liver pills. Serial No. 409,909; Dec. 20. Class 6.

Castle Gate Hosiery and Glove Co., Inc., New York, N. Y. Stockings, socks, knitted gloves, and sweaters. Serial No. 410,358; Dec. 20. Class 39.

Cauchois, Félix J., Hussigny-Godbrange, Meurthe-et-Moselle, France. Medicinal ointments. Serial No. 398,518; Dec. 20. Class 6.

Chance, Charles T., Chicago, Ill. Swaging tools, heading dies, roll dies, etc. Serial No. 408,186; Dec. 20. Class 23.

Charles of the Ritz, Inc., New York, N. Y. Toilet creams. Serial No. 410,190; Dec. 20. Class 6.

Chemiseal Company, The, Detroit, Mich. Wood preservative and sealer. Serial No. 412,219; Dec. 20. Class 16.

Cohen, Meyer, doing business as Goodcraft Garment Co., Brooklyn, N. Y. Underwear, pajamas, bloomers, etc. Serial No. 409,561; Dec. 20. Class 39.

Colter Company, The, Cincinnati, Ohio. Self rising wheat flour. Serial No. 404,515; Dec. 20. Class 46.

Columbian Rope Company, Auburn, N. Y. Bodies or articles used for buffing purposes and for supporting abrasive materials. Serial No. 412,171; Dec. 20. Class 7.

Commonwealth Engineering Corporation, Dayton, Ohio. Lacquers, paints, paint enamels, and varnishes. Serial No. 408,832; Dec. 20. Class 16.

Continental Springs Corporation, Houston, Tex. Bed springs. Serial No. 396,436; Dec. 20. Class 32.

Coty, Inc., New York, N. Y. Powder, toilet water, perfume, etc. Serial No. 412,084; Dec. 20. Class 6.

De Cagny, Maxine, Levallois Perret, France. Perfumes, tooth pastes, rouge, etc. Serial No. 395,023; Dec. 20. Class 6.

Delaware Paper Products Co., Wilmington, Del. Paper napkins. Serial No. 411,825; Dec. 20. Class 37.

De St. Dalmas, A., & Co. Ltd., Leicester, England. Medicated jellies. Serial No. 410,901; Dec. 20. Class 6.

Detroit Paper Products Company, Hamtramck, Mich. Containers for bottles. Serial No. 411,215; Dec. 20. Class 2.

Deutschmann, Tobe, Corporation, Canton, Mass. Electrical apparatus. Serial No. 398,377; Dec. 20. Class 26.

DeWalt Products Corporation, Lancaster, Pa. Lumber cutting machines. Serial No. 408,236; Dec. 20. Class 23.

Diamond Alkali Company, Pittsburgh, Pa. Carbon tetrachloride. Serial No. 411,216; Dec. 20. Class 6.

Diamond Match Company, The, New York, N. Y. Toilet tissue. Serial No. 411,949; Dec. 20. Class 37.

Dow Chemical Company, The, Midland, Mich. Thread and yarn. Serial No. 399,956; Dec. 20. Class 43.

Eastern Semolina Mills, Inc., New York and Baldwinsville, N. Y. Semolina. Serial No. 411,120; Dec. 20. Class 46.

Eata Bita Popcorn Co., Emporia, Kans. French fried popcorn. Serial No. 411,684; Dec. 20. Class 46.

Electro Products Company. (See Stewart, Patterson O.)

Elliott Paint & Varnish Company, Chicago, Ill. Paints, paint enamels, and varnishes. Serial No. 411,433; Dec. 20. Class 16.

Ellis, Carleton, Montclair, N. J. Fertilizer. Serial No. 411,027; Dec. 20. Class 10.

Epstein, Louis, New York, N. Y. Fuses and interference eliminators. Serial No. 411,028; Dec. 20. Class 21.

Famous-Sternberg, Inc., New Orleans, La. Suits and pants of linen, etc., and shirts. Serial No. 410,780; Dec. 20. Class 39.

Fawcett Publications, Inc., Greenwich, Conn. Magazine. Serial No. 405,352; Dec. 20. Class 38.

Finch, Joseph S., and Company, New York, N. Y., and Shenley, Pa. Whiskey, gin, rum, etc. Serial No. 412,294; Dec. 20. Class 49.

Finger Lakes and Hudson Flour Mills, Inc., Troy, N. Y. Wheat flour. Serial No. 412,071; Dec. 20. Class 46.

Fisher Scientific Company, Pittsburgh, Pa. Paper strips used in making approximate determinations of hydrogen ion concentration in liquids. Serial No. 409,265; Dec. 20. Class 26.

Frost, Robert R., Los Angeles, Calif. Phonograph records. Serial No. 408,836; Dec. 20. Class 36.

Gardiner Manufacturing Company, Inc., Buffalo, N. Y. Laundry washing machines. Serial No. 411,494; Dec. 20. Class 24.

Glasser, Joshua B., doing business as Insuransales Products, Chicago, Ill. Safety policy boxes and the like. Serial No. 411,689; Dec. 20. Class 25.

Goodcraft Garment Co. (See Cohen, Meyer.)

Grant, W. Gordon, Atlanta, Ga. Beverages. Serial Nos. 410,029–30; Dec. 20. Class 45.

Grant, W. T., Company, New York, N. Y. Women's slippers. Serial No. 411,574; Dec. 20. Class 39.

Hall Remedy Co., Tampa, Fla. Medicines. Serial No. 405,020; Dec. 20. Class 6.

Hardie Brothers Company, Pittsburgh, Pa. Candy. Serial No. 411,995; Dec. 20. Class 46.

Hay, Dorothea S., New York, N. Y. Shirts, dresses, caps, scarfs, etc. Serial No. 406,586; Dec. 20. Class 39.

Hercules Powder Company, Wilmington, Del. Uncolloided nitrocellulose. Serial No. 411,604; Dec. 20. Class 1.

Hoffmann-La Roche, Inc., Nutley, N. J. Medicinal preparation. Serial No. 411,778; Dec. 20. Class 6.

Hume-Love Company, Garfield, Wash. Self-driven cultivating and harvesting machinery, and parts thereof. Serial No. 410,907–9; Dec. 20. Class 23.

Ilg, Anton, and Frida Schürch, Zurich, Switzerland. Flatiron supports. Serial No. 408,061; Dec. 20. Class 24.

Illuminating Engineering Society, New York, N. Y. Electric lighting fixtures and portable electric lamps and parts thereof. Serial Nos. 411,865–6; Dec. 20. Class 21.

Insuransales Products. (See Glasser, Joshua B.)

International Lubricant Corporation, Southport, La. Aluminum stearate compounds. Serial No. 410,398; Dec. 20. Class 6.

International Radio Corporation, Ann Arbor, Mich. Radio and television sending and receiving machines, parts, and equipment therefor. Serial No. 410,543; Dec. 20. Class 21.

Interwoven Stocking Company, New Brunswick, N. J. Hosiery. Serial No. 412,099; Dec. 20. Class 39.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Investment Registry of America, Inc., Philadelphia, Pa. Financial publication. Serial No. 411,848; Dec. 20. Class 38.

Jame-Wolf Co., Terre Haute, Ind. Wearing apparel. Serial No. 400,112; Dec. 20. Class 39.

Jones, Warren W., Pittsburgh, Pa. Medical preparation. Serial No. 410,183; Dec. 20. Class 6.

Karpen, S., & Bros., Chicago, Ill. Sofas, chairs, and living room suites. Serial No. 399,140; Dec. 20. Class 32.

Katz, Sol W., & Company, Philadelphia, Pa. Trousers, vests, jackets, etc. Serial No. 411,607; Dec. 20. Class 39.

Keil, Albert T., Mars, Pa. Hay fever and nose cold preparations. Serial No. 411,299; Dec. 20. Class 6.

Kleinman, Louis, Brooklyn, N. Y. Sweatbands for hats. Serial No. 409,402; Dec. 20. Class 39.

Koppenhoefer, George, doing business as The Sanesco Company, Philadelphia, Pa. Product for cleaning and removing grease from roller bearings. Serial No. 411,667; Dec. 20. Class 4.

La Salle Hat Company, The, Philadelphia, Pa. Hats and caps. Serial No. 411,956; Dec. 20. Class 39.

Laucks, I. F., Incorporated, Portsmouth, Va. Soya bean flour. Serial No. 411,274; Dec. 20. Class 46.

Lilly, Edith K., doing business as Physician's Formula Cosmetics, assignor to Physician's Formula Cosmetics, Inc., Los Angeles, Calif. Cleansing cream, skin lotion, face powder, etc. Serial No. 392,543; Dec. 20. Class 6.

Los Angeles Knitting Mills, Ltd., Hollydale, Calif. Garments of wool fabric. Serial No. 410,000; Dec. 20. Class 39.

Lyon, Granville, doing business as Sahuara Chemical Company, Downey, Calif. Soaps and soap preparations. Serial No. 411,698; Dec. 20. Class 4.

Magee, John V., doing business as J. V. Magee Mfg. Co., Chicago, Ill. Silver in granular form. Serial No. 409,578; Dec. 20. Class 14.

Maiden Form Brassiere Company, Inc., New York, N. Y. Brassières, bandeaux, corsets, etc. Serial No. 412,066; Dec. 20. Class 39.

Maison Blanche Company, New Orleans, La. Bourbon whiskey. Serial No. 412,276; Dec. 20. Class 49.

Manning, Maxwell & Moore, Inc., Muskegon, Mich. Power hoists. Serial No. 406,063; Dec. 20. Class 23.

Manning, Maxwell & Moore, Inc., Muskegon, Mich. Structural and machine parts. Serial No. 406,064; Dec. 20. Class 23.

Marks, L. V., & Sons Company, The, Cincinnati, Ohio. Women's shoes. Serial Nos. 412,037–8; Dec. 20. Class 39.

Markwell Manufacturing Company, Inc., New York, N. Y. Stapling machines. Serial No. 410,574; Dec. 20. Class 23.

McGraw Electric Company, Chicago, Ill. Receptacles for household use. Serial No. 411,880; Dec. 20. Class 33.

McGraw Electric Company, Chicago, Ill. Receptacles for household use. Serial No. 411,881; Dec. 20. Class 30.

McGraw Electric Company, Chicago, Ill. Devices for cutting or trimming food articles. Serial No. 411,882; Dec. 20. Class 23.

McGraw Electric Company, Chicago, Ill. Receptacles for household use. Serial No. 411,886; Dec. 20. Class 33.

McGraw Electric Company, Chicago, Ill. Receptacles for household use. Serial No. 411,887; Dec. 20. Class 30.

McGraw Electric Company, Chicago, Ill. Electric toasters. Serial No. 411,888; Dec. 20. Class 21.

McGraw Electric Company, Chicago, Ill. Devices for cutting or trimming food articles. Serial No. 411,889; Dec. 20. Class 23.

Merck & Co. Inc., Rahway, N. J. Medicinal preparations. Serial No. 411,748; Dec. 20. Class 6.

Merkel & Klenlin, G. m. b. H., Esslingen-Neckar, Germany. Yarns. Serial No. 406,933; Dec. 20. Class 43.

Morell Novelty Company, Inc., New York, N. Y. Yarn. Serial No. 411,701; Dec. 20. Class 43.

National Dress Company, St. Louis, Mo. Dresses. Serial No. 411,278; Dec. 20. Class 39.

New Foods, Inc., Chicago, Ill. Cheese-coated puffed corn. Serial No. 411,237; Dec. 20. Class 46.

Nifty Nut House Company, Topeka, Kans. Nuts. Serial No. 409,850; Dec. 20. Class 46.

O'Brien Milling Company, The, Greenville, Ohio. Wheat flour. Serial No. 411,307; Dec. 20. Class 46.

Outboard, Marine & Manufacturing Company, Milwaukee, Wis. Outboard motors and outboard motor parts. Serial No. 411,964; Dec. 20. Class 23.

Palestine Kosher Products Co. (See Stern, Lipa.)

Pawtucket Standard Braid Company. (See Andrews, Augusto J.)

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Trousers. Serial No. 411,310; Dec. 20. Class 39.

Pepper, Dr., Bottling Co. of Denver, Denver, Colo. Beverages, and sirups and extracts for making the same. Serial No. 410,952; Dec. 20. Class 45.

Philleo, Addison E., Des Moines, Iowa. Sandwiches. Serial No. 398,633; Dec. 20. Class 46.

Physician's Formula Cosmetics. (See Lilly, Edith K.)

Pincus Bros., Inc., Philadelphia, Pa. Suits, coats, vests, etc. Serial No. 411,432; Dec. 20. Class 39.

Polar Ice Cream & Creamery Co., Inc., Pensacola, Fla. Ice cream bars and candy bars. Serial No. 384,554; Dec. 20. Class 46.

Prenatone Company, Inc., The, New York, N. Y. Vitamin and mineral tonic. Serial No. 410,145; Dec. 20. Class 6.

Protectol Company, Chicago, Ill. Detergent germicidal cleaning compound. Serial No. 411,244; Dec. 20. Class 6.

Remington Rand Inc., Buffalo, N. Y. Carbon paper. Serial No. 411,841; Dec. 20. Class 11.

Rochelle Asparagus Company, Rochelle, Ill. Canned asparagus. Serial No. 411,754; Dec. 20. Class 46.

Roche-Organon, Inc., Nutley, N. J. Medical preparation. Serial Nos. 411,900–6; Dec. 20. Class 6.

Rosen, Florence, doing business as American Grease Stick Company, Muskegon Heights, Mich. Ski-wax. Serial No. 410,555; Dec. 20. Class 22.

Rosen, Harvey, Brooklyn, N. Y. Shoes. Serial No. 411,797; Dec. 20. Class 39.

Sahuara Chemical Company. (See Lyon, Granville.)

Sam's Cut Rate, Inc., Detroit, Mich. Men's and boys' underwear, shirts, and pajamas. Serial No. 404,908; Dec. 20. Class 39.

Sanesco Company, The. (See Koppenhoefer, George.)

Schürch, Frida. (See Ilg, Anton, and Frida Schürch.)

Searle, G. D., & Co., Chicago, Ill. Injectable solution. Serial No. 410,613; Dec. 20. Class 6.

Sears, Roebuck and Co., Chicago, Ill. Children's underwear. Serial No. 380,079; Dec. 20. Class 39.

Setchell Carlson, Inc., St. Paul, Minn. Telephonic communicating systems and parts therefor. Serial No. 404,973; Dec. 20. Class 21.

Sherwin-Williams Co., Cleveland, Ohio. Paint etc. brushes and dusters. Serial No. 411,549; Dec. 20. Class 29.

Silzle, E. A., Corporation, Anaheim, Calif. Canned citrus fruit juices. Serial No. 411,015; Dec. 20. Class 45.

Soil Conservation and Chemical Company, Denver, Colo. Commercial fertilizers. Serial No. 411,716; Dec. 20. Class 10.

Southern Handkerchief Mfg. Co., Greenville, S. C. Handkerchiefs. Serial No. 410,934; Dec. 20. Class 39.

Spiegl, E. H., Salinas, Calif. Fresh vegetables. Serial Nos. 412,043–4; Dec. 20. Class 46.

Spilker, Dorfmont & Kravitz, St. Louis, Mo. Dresses, coats, and suits. Serial No. 408,172; Dec. 20. Class 39.

Sprague Products Company, North Adams, Mass. Electrical resistors. Serial No. 411,758; Dec. 20. Class 21.

Squibb, E. R., & Sons, New York, N. Y. Castor oil. Serial No. 409,785; Dec. 20. Class 6.

Stern, Lipa, doing business as Palestine Kosher Products Co., New York, N. Y. Kosher vegetable desserts. Serial No. 411,553; Dec. 20. Class 46.

Stewart, Patterson O., doing business as Electro Products Company, New York, N. Y. Carbon binder solvent and carbon remover. Serial No. 410,443; Dec. 20. Class 6.

Style Trades, Inc., New York, N. Y. Dresses. Serial No. 402,579; Dec. 20. Class 39.

Supreme Quality Products, Inc., Whittier, Calif. Ice cream. Serial No. 411,017; Dec. 20. Class 46.

Truckstell, Inc., Cleveland, Ohio. Automotive truck equipment. Serial No. 389,105; Dec. 20. Class 19.

United States Hoffman Machinery Corporation, New York, N. Y. Dry cleaning unit. Serial No. 412,271; Dec. 20. Class 24.

Weidner, Willy, Shoe Style Studio, New York, N. Y. Shoe fabrics. Serial No. 411,064; Dec. 20. Class 42.

Wilson, Andrew, Inc., Springfield, N. J. Grub proofing preparation. Serial No. 410,567; Dec. 20. Class 6.

Wolferman, Fred, Inc., Kansas City, Mo. Whiskey. Serial No. 411,316; Dec. 20. Class 49.

Wolverine Knitting Mills, Bay City, Mich. Underwear and garments. Serial No. 409,664; Dec. 20. Class 39.

Wolwin Chair Co., The, Willoughby, Ohio. Reclining back chairs. Serial No. 412,533; Dec. 20. Class 32.

Woods, Lee A., Elizabeth, N. J. Soft drinks. Serial No. 411,043; Dec. 20. Class 45.

Worthington, Geo., Company, The, Cleveland, Ohio. Paint brushes, varnish brushes, scrub brushes, etc. Serial No. 391,837; Dec. 20. Class 29.

LIST OF REGISTRANTS OF TRADE-MARKS

A and Z Chain Company, Providence, R. I. Wrist-watch bracelets, clasps, and buckles. 363,336; Dec. 20; Serial No. 409,250; published Sept. 27, 1938. Class 28.

Acme Steel Company, Chicago, Ill. Steel strapping. 363,273; Dec. 20; Serial No. 401,972; published Oct. 11, 1938. Class 13.

Aderer, Julius, Inc., New York, N. Y. Casting gold. 363,350; Dec. 20; Serial No. 409,550; published Oct. 11, 1938. Class 44.

Alexander Manufacturing Company, Forest City, N. C. Pillow cases, bed sheetings, and bed sheets. 363,374; Dec. 20; Serial No. 409,986; published Oct. 11, 1938. Class 42.

American Insulating Machinery Company, Philadelphia, Pa. Cutlery, machinery, and tools, and parts thereof. 124,652; renewed Mar. 11, 1939.

American Marine Paint Company, San Francisco, Calif. Marine paints. 125,321; renewed May 13, 1939.

American National Company, The, Toledo, Ohio. Juvenile vehicles comprising velocipedes. 363,260; Dec. 20; Serial No. 395,115; published Oct. 4, 1938. Class 22.

Archer Mfg., Los Angeles, Calif. Nursery chair, play pen, carriage, etc., pads. 363,329; Dec. 20; Serial No. 409,024; published Oct. 4, 1938. Class 32.

Arkansas Soft Pine Bureau, Little Rock, Ark. Lumber, woodwork, paneling, etc. 363,295; Dec. 20; Serial No. 407,516; published Oct. 11, 1938. Class 12.

Ashland Oil & Refining Company, Ashland, Ky. Gasoline. 363,263; Dec. 20; Serial No. 396,756; published Oct. 4, 1938. Class 15.

Atlantic Coal Company, Boston, Mass. Coal. 363,383; Dec. 20. Class 1.

Austin, Nichols & Co., Inc., Brooklyn, N. Y. Teas and coffees. 363,319; Dec. 20; Serial No. 408,686; published Oct. 11, 1938. Class 46.

Bardstown Distillery, Inc., Bardstown, Ky. Whiskey. 363,307; Dec. 20; Serial No. 408,148; published Oct. 11, 1938. Class 49.

Beck, A. S., Shoe Corporation, New York, N. Y. Shoes and slippers. 363,386; Dec. 20. Class 39.

Becker, Frank J., Solon, Ohio. Mixer beverage and sirup and extract for making the same. 363,321; Dec. 20; Serial No. 408,745; published Oct. 11, 1938. Class 45.

Berger, Kornel, doing business as Berger Machine Company, New York, N. Y. Running thread pipe nipples. 363,380; Dec. 20. Class 13.

Berliner Schlossbrauerei Aktiengesellschaft, Berlin-Schoneberg, Germany. Beers. 363,287–8; Dec. 20; Serial No. 406,705–6; published Oct. 11, 1938. Class 48.

Beverly's. (See Osborne, Beverly.)

Bireley's Inc., Hollywood, Calif. Fruit juices. 363,279; Dec. 20; Serial No. 404,348; published Oct. 11, 1938. Class 46.

Borden Company, The, New York, N. Y. Food product made of cheese and edible vegetable oil. 363,272; Dec. 20; Serial No. 401,886; published May 17, 1938. Class 46.

Botany Worsted Mills, Passaic, N. J. Woolen and worsted piece goods. 363,371; Dec. 20; Serial No. 409,838; published Oct. 11, 1938. Class 42.

Breivogel, Joseph R., doing business as P. J. Breivogel, New York, N. Y. Watch and clock dials. 363,320; Dec. 20; Serial No. 408,688; published Oct. 11, 1938. Class 27.

Brown Instrument Company, The, Philadelphia, Pa. Measuring and control instruments and apparatus for automatically controlling an operation responsively to the fluctuation of a variable condition. 363,274; Dec. 20; Serial No. 402,214; published Oct. 11, 1938. Class 26.

Bryant, Thomas W. (See Pope, Fred W., and Thomas W. Bryant.)

C. & W. Manufacturing Co., Chicago, Ill. Electric hair dryers. 363,343; Dec. 20; Serial No. 409,418; published Oct. 11, 1938. Class 44.

California Consolidated Canneries, Inc., Los Angeles, Calif. Canned goods. 363,264; Dec. 20; Serial No. 396,976; published Oct. 11, 1938. Class 46.

California Consumers Corporation, Los Angeles, Calif. Canned citrus juice. 363,384; Dec. 20. Class 45.

California Consumers Corporation, Los Angeles, Calif. Canned frozen citrus juices. 363,385; Dec. 20. Class 46.

Canfield, A. J., Co., Chicago, Ill. Beverages. 363,356; Dec. 20; Serial No. 409,680; published Oct. 11, 1938. Class 45.

Catelli Food Products, Ltd., Montreal, Quebec, Canada. Pea soup, pork and beans, and soups. 363,322; Dec. 20; Serial No. 408,751; published Oct. 11, 1938. Class 46.

Clayton Manufacturing Company, The, Bristol, Conn. Scissors and shears. 363,276; Dec. 20; Serial No. 402,590; published Oct. 11, 1938. Class 23.

Colton Razor Blade Company, Boston, Mass. Safety razor blades. 363,364; Dec. 20; Serial No. 409,763; published Oct. 11, 1938. Class 23.

Columbian Rope Company, Auburn, N. Y. Twine. 125,201–2; renewed Apr. 22, 1939.

Cracker Jack Co., The. (See Rueckheim Bros. & Eckstein, assignor.)

Cribben & Sexton Company, Chicago, Ill. Stoves, ranges, and hot-air furnaces, and parts of same. 363,261; Dec. 20; Serial No. 395,126; published Oct. 11, 1938. Class 34.

Cromwell Paper Co., The, Chicago, Ill. Curtains and curtain materials. 363,299; Dec. 20; Serial No. 407,793; published Oct. 11, 1938. Class 42.

Cunningham, Mildred, New York, N. Y. Jewelry. 363,332; Dec. 20; Serial No. 409,087; published Oct. 11, 1938. Class 28.

De Salvo, Ralph, New York, N. Y. Golf balls. 363,395; Dec. 20. Class 22.

Dodge, H. B., and Company, Chicago, Ill. Folding partitions, rolling partitions and shutters. 363,253; Dec. 20; Serial No. 356,340; published Oct. 11, 1938. Class 12.

Duncan Weston & Company Limited, London, England. Whisky. 363,282; Dec. 20; Serial No. 405,188; published Oct. 4, 1938. Class 49.

Eastern Laboratories, Inc., New York, N. Y. Violet ray apparatus and parts, electrical vibrators, etc. 363,281; Dec. 20; Serial No. 404,889; published Oct. 11, 1938. Class 44.

Electric Storage Battery Company, The, Philadelphia, Pa. Storage batteries. 363,361–2; Dec. 20; Serial Nos. 409,727–8; published Oct. 11, 1938. Class 21.

Electrovox Company, New York, N. Y. Phonograph needles. 363,348; Dec. 20; Serial No. 409,514; published Oct. 11, 1938. Class 36.

Enoz Chemical Company. (See Phenol Chemical Company, The, assignor.)

Etsul Synthetic Products. (See Schulte, Joseph A., Jr.)

Everett and Barron Company, Providence, R. I. Shoe dressings. 363,357; Dec. 20; Serial No. 409,683; published Oct. 11, 1938. Class 4.

Faultless Rubber Company, The, Ashland, Ohio. Dolls. 125,272; renewed Apr. 29, 1939.

Fax Corporation, New York, N. Y. Motor fuels, gasoline, fuel oils, etc. 363,325; Dec. 20; Serial No. 408,916; published Oct. 11, 1938. Class 15.

Felch & Co., Providence, R. I. Jewelry. 363,309; Dec. 20; Serial No. 408,272; published Oct. 11, 1938. Class 28.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 363,344; Dec. 20; Serial No. 409,424; published Oct. 11, 1938. Class 42.

Foster Grant Co. Inc., Leominster, Mass. Sungoggles and nose shields. 363,365; Dec. 20; Serial No. 409,768; published Oct. 11, 1938. Class 26.

French Kitchen Foods Corporation, Los Angeles, Calif. Onion soup. 363,341; Dec. 20; Serial No. 409,352; published Oct. 11, 1938. Class 46.

Frosted Cabinets Inc., Decatur, Ill. Refrigerators, refrigerator show cases, display cases, etc. 363,366; Dec. 20; Serial No. 409,769; published Oct. 4, 1938 Class 31.

General Crushed Stone Company, The, Easton, Pa. Bituminous paving materials. 363,300; Dec. 20; Serial No. 407,805; published Oct. 11, 1938. Class 12.

General Paint & Varnish Co., Chicago, Ill. Paints, varnishes, and paint enamels. 363,392; Dec. 20. Class 16.

Gillette Safety Razor Company, Boston, Mass. Safety razors and safety razor blades. 363,342; Dec. 20; Serial No. 409,398; published Oct. 11, 1938. Class 23.

Globe Roofing Products Co. Inc., Chicago, Ill. Asphalt composition shingles. 363,337; Dec. 20; Serial No. 409,269; published Oct. 11, 1938. Class 12.

Goldman, Sydney B., Washington, D. C. Smokers' pipes. 363,280; Dec. 20; Serial No. 404,848; published Oct. 11, 1938. Class 8.

Goldsmith Bros., New York, N. Y. Filing cards, filing guides, folders, etc. 363,345; Dec. 20; Serial No. 409,427; published Oct. 11, 1938. Class 37.

Goldsmith Bros., New York, N. Y. Filing cards, filing guides, folders, etc. 363,349; Dec. 20; Serial No. 409,519; published Oct. 11, 1938. Class 37.

Gooderham & Worts Limited, Detroit, Mich., and Peoria, Ill. Whiskey. 363,268; Dec. 20; Serial No. 400,761; published Jan. 18, 1938. Class 49.

Great Western Foods Co. (See Waples Platter Company.)

Halstead Milling & Elevator Co., The, Halstead, Kans., to The Midland Flour Milling Company, Kansas City, Mo., successor. Wheat-flour. 124,097; renewed Jan. 14, 1939.

Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii, and San Francisco, Calif. Canned pineapple. 363,284; Dec. 20; Serial No. 406,131; published Oct. 11, 1938. Class 46.

Hilker-Wiechers Manufacturing Co., The, Racine, Wis., assignor to John Rissman & Son, Chicago, Ill. Men's shirts for outer wear. 124,537; renewed Feb. 25, 1939.

Hoover Products Inc., Youngstown, Ohio. Child's rattle. 363,363; Dec. 20; Serial No. 409,736; published Oct. 11, 1938. Class 22.

Howard Bros. Chemical Co., Buffalo, N. Y. Toilet cream. 123,599; renewed Nov. 19, 1938.

James Manufacturing Company, Fort Atkinson, Wis. Roof ventilators. 363,285; Dec. 20; Serial No. 406,451; published Oct. 11, 1938. Class 34.

Keller, Arthur E., doing business as E. Keller & Sons, Allentown, Pa. Silver polish. 363,367; Dec. 20; Serial No. 409,771; published Oct. 11, 1938. Class 4.

Keller-Kohn Co., The, Cleveland, Ohio. Ladies' and misses' coats and suits. 363,387; Dec. 20. Class 39.

Kennedy, David E., Inc., Brooklyn, N. Y. Building materials. 363,270; Dec. 20; Serial No. 401,490; published Mar. 1, 1938. Class 12.

Kickbusch, A., Grocery Company, Wausau, Wis. Coffee. 123,908; renewed Dec. 17, 1938.

Kistler, Lesh & Company, Incorporated, Boston, Mass. Hides and leather. 363,375; Dec. 20; Serial No. 409,271; published Oct. 18, 1938. Class 1.

Klein Brothers Fabrics Corporation, New York, N. Y. Piece goods of cotton, silk, rayon, etc. 363,340; Dec. 20; Serial No. 409,319; published Oct. 11, 1938. Class 42.

Lazier, J. F., Manufacturing Co., Inc., St. Louis, Mo. Extracts and fruit syrups used in the preparation of soft drinks, and beverages made from same. 363,305; Dec. 20; Serial No. 408,112; published Oct. 11, 1938. Class 45.

Lee Paper Company, Vicksburg, Mich. Bond paper. 363,393; Dec. 20. Class 37.

Leonard Tissue Company, The, Cambridge, Mass. Toilet tissue and paper towels. 363,316; Dec. 20; Serial No. 408,606; published Oct. 11, 1938. Class 37.

Logan Bulk Filling Station, Inc., Logan, Ohio. Gasoline and lubricating oils and greases. 363,289; Dec. 20; Serial No. 406,725; published Sept. 13, 1938. Class 15.

Louisville Drying Machinery Company, Incorporated, Louisville, Ky. Feeds. 363,267; Dec. 20; Serial No. 399,716; published Oct. 11, 1938. Class 46.

Macy, R. H., & Co., Inc., New York, N. Y. Rugs, carpets, linens, etc. 363,269; Dec. 20; Serial No. 400,915; published Oct. 11, 1938. Class 42.

Mallinson, H. R., & Co. Inc., assignor, by mesne assignments, to Mallinson Fabrics Corp., New York, N. Y. Silk piece goods. 123,917; renewed Dec. 17, 1938.

Maumee Collieries Company, The, Terre Haute, Ind. Coal. 363,397; Dec. 20. Class 1.

McCahan, W. J., Sugar Refining & Molasses Co., The, Philadelphia, Pa. Cane sugar. 363,376; Dec. 20. Class 46.

McKim, Orville E., doing business as McKim Dental Service, Port Chester, N. Y. Cleansing preparation for artificial dentures. 363,330; Dec. 20; Serial No. 409,050; published Oct. 11, 1938. Class 4.

Metals Disintegrating Company, Inc., Union Township, Union County, N. J. Disintegrated metals. 363,358; Dec. 20; Serial No. 409,691; published Oct. 11, 1938. Class 14.

Meyer, Wm., Co., The, Chicago, Ill. X-ray tables and stands. 123,625; renewed Nov. 19, 1938.

Meyers, Clarence L., & Co., Philadelphia, Pa. Hosiery. 363,335; Dec. 20; Serial No. 409,203; published Oct. 4, 1938. Class 39.

Midland Flour Milling Company, The. (See Halstead Milling & Elevator Co., The.)

Mid-States Gummed Paper Co., Chicago, Ill. Gummed paper tape. 363,323; Dec. 20; Serial No. 408,891; published Oct. 11, 1938. Class 37.

Modern Maid Food Products, Brooklyn, N. Y. Prepared flours, hot chocolate powder, etc. 363,265; Dec. 20; Serial No. 397,717; published Oct. 11, 1938. Class 46.

Monarch Manufacturing Company, Atlanta, Ga. Beverages, and sirups and extracts for making the same. 363,372; Dec. 20; Serial No. 409,845; published Oct. 11, 1938. Class 45.

Mutascio, Joseph, New York, N. Y. Wines. 363,333–4; Dec. 20; Serial Nos. 409,102–3; published Oct. 11, 1938. Class 47.

Naamlooze Vennootschap Goedewaagen's Koninklijke Hollandsche Pijpen- en Aardewerkfabrieken, Gouda, Netherlands. Pipes. 363,346; Dec. 20; Serial No. 409,433; published Oct. 11, 1938. Class 8.

Newday Seeds, Inc., Fargo, N. Dak. Seeds. 363,277; Dec. 20; Serial No. 403,611; published Oct. 11, 1938. Class 1.

New Process Company, Warren, Pa. Woolen piece goods. 363,306; Dec. 20; Serial No. 408,125; published Oct. 11, 1938. Class 42.

Oakland Fur Dyeing Co., Inc., New York, N. Y. Dyed furs. 363,275; Dec. 20; Serial No. 402,270; published Oct. 11, 1938. Class 1.

Ohio Valley Hardware & Roofing Company, Evansville, Ind. Asphalt composition roofing and building papers, steel roofing and sheets, roofing tin. 363,310; Dec. 20; Serial No. 408,472; published Oct. 4, 1938. Class 12.

Osborne, Beverly, doing business as Beverly's and Beverly's Drive-In, Oklahoma City, Okla. Lunches. 363,303; Dec. 20; Serial No. 407,959; published Oct. 11, 1938. Class 46.

Ostermoor & Company, Inc., New York, N. Y. Furniture. 363,262; Dec. 20; Serial No. 395,484; published Oct. 4, 1938. Class 32.

Pacific Lumber Company, The, San Francisco, Calif. Finely shredded bark for thermal and sound insulation. 363,258; Dec. 20; Serial No. 389,149; published May 11, 1937. Class 12.

Palmer Company, The, Norwood, Ohio. Thermometers. 363,368; Dec. 20; Serial No. 409,775; published Oct. 11, 1938. Class 26.

Peanut Products Company, Des Moines, Iowa. Salted peanuts. 363,278; Dec. 20; Serial No. 403,733; published May 31, 1938. Class 46.

Perry Bros., Seattle, Wash. Frozen, prepared chicken. 363,382; Dec. 20. Class 46.

Phenol Chemical Company, The, assignor to Enoz Chemical Company, Chicago, Ill. Moth preventive and exterminator. 123,483; renewed Nov. 12, 1938.

Philadelphia Lawn Mower & Mfg. Co., Philadelphia, Pa. Lawn mowers, sweepers, trimmers and grass collectors. 363,338; Dec. 20; Serial No. 409,282; published Oct. 11, 1938. Class 23.

Piggly Wiggly Corporation, Cincinnati, Ohio. Soap. 363,359; Dec. 20; Serial No. 409,694; published Oct. 11, 1938. Class 4.

Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour. 363,351; Dec. 20; Serial No. 409,588; published Oct. 11, 1938. Class 46.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Paints, paint primers, paint enamels, etc. 363,369–70; Dec. 20; Serial Nos. 409,776–7; published Oct. 11, 1938. Class 16.

Plunkett-Webster Lumber Co., Inc., New Rochelle, N. Y. Lumber. 363,259; Dec. 20; Serial No. 394,754; published Oct. 4, 1938. Class 12.

Pope, Fred W., and Thomas W. Bryant, Lakeland, Fla. Oranges. 363,390; Dec. 20. Class 46.

Practical Burial Slipper Company, Columbus, Ohio. Burial footwear and hosiery. 363,398; Dec. 20. Class 39.

Pyrene Manufacturing Company, Newark, N. J. Portable fire extinguishers. 363,302; Dec. 20; Serial No. 407,918; published Oct. 11, 1938. Class 23.

Quality Knitting Co. Inc., Stowe, Pa. Underwear and pajamas, and polo shirts. 363,394; Dec. 20. Class 39.

Regal Amber Brewing Company, San Francisco, Calif. Malt beverages. 363,352; Dec. 20; Serial No. 409,621; published Oct. 11, 1938. Class 48.

Reich, Melvin A., Buffalo, N. Y. Finger rings. 363,311; Dec. 20; Serial No. 408,475; published Oct. 11, 1938. Class 28.

Remington Arms Company, Inc., Bridgeport, Conn. Ammunition. 363,378; Dec. 20. Class 9.

Rich Maid Manufacturing Company, Inc., Richmond, Va. Baking powder and coffee. 363,318; Dec. 20; Serial No. 408,676; published Oct. 11, 1938. Class 46.

Ripy Bros. Distillers, Incorporated, Tyrone, assignor to T. B. Ripy Distillers, Inc., Lawrenceburg, Ky. Whisky. 363,301; Dec. 20; Serial No. 407,820; published Oct. 4, 1938. Class 49.

Rissman, John, & Son. (See Hilker-Wiechers Manufacturing Co., assignor.)

Rit Products Corporation. (See Sunbeam Chemical Company, assignor.)

Rixson, Oscar C., Co., The, Chicago, Ill. Builders' hardware. 363,297; Dec. 20; Serial No. 407,763; published Oct. 11, 1938. Class 13.

Roach & Musser Company, Muscatine, Iowa. Factory fitted window units. 363,304; Dec. 20; Serial No. 408,074; published Oct. 4, 1938. Class 12.

Root-Gro Chemical Company, Long Island City, N. Y. Chemicals for inducing and accelerating the growth of root fibres on plants. 363,377; Dec. 20. Class 10.

Royal Typewriter Company, Inc., New York, N. Y. Typewriting machines and parts thereof. 363,373; Dec. 20; Serial No. 409,901; published Oct. 11, 1938. Class 23.

Rueckheim Bros. & Eckstein, assignor to The Cracker Jack Co., Chicago, Ill. Candy, chocolate, bonbons, etc. 124,412; renewed Feb. 11, 1939.

Russell Box Company, Medford, Mass. Paper boxes. 363,391; Dec. 20. Class 2.

S-M-S Corporation, Detroit, Mich. Welding electrode holders. 363,389; Dec. 20. Class 21.

Scheidt, Charles W., Richmond Hill, N. Y. Safety straps for infants. 363,388; Dec. 20. Class 3.

Schloss Bros. & Co. Inc., Baltimore, Md. Topcoats. 363,396; Dec. 20. Class 39.

Schulte, Joseph A., Jr., doing business as Etsul Synthetic Products, Detroit, Mich. Cleaning solvent compound. 363,353; Dec. 20; Serial No. 409,625; published Oct. 11, 1938. Class 4.

Sears, Roebuck and Co., Chicago, Ill. Power tools and metal cutting attachments. 363,256; Dec. 20; Serial No. 380,595; published Oct. 11, 1938. Class 23.

Sears, Roebuck and Co., Chicago, Ill. Electric razors. 363,266; Dec. 20; Serial No. 399,428; published Jan. 11, 1938. Class 23.

Sergeant & Nicholoy, Inc., Milwaukee, Wis. Canned vegetables. 363,347; Dec. 20; Serial No. 409,492; published Oct. 11, 1938. Class 46.

Sheinman, Harry L., & Sons Inc., New York, N. Y. Fabrics of silk. 363,271; Dec. 20; Serial No. 401,790; published Oct. 11, 1938. Class 42.

Sherriff-Goslin Co., Battle Creek, Mich. Shingles and siding. 363,355; Dec. 20; Serial No. 409,656; published Oct. 11, 1938. Class 12.

Shuwall, Edward, & Co. Inc., Pottstown, Pa. Children's wash frocks. 363,381; Dec. 20. Class 39.

Silverman & Green, Inc., New York, N. Y. Pelts and skins. 363,313–14; Dec. 20; Serial Nos. 408,580–1; published Oct. 11, 1938. Class 1.

Sleetex Company, Inc., The, New York, N. Y. Vehicle windshield wiper blades. 363,317; Dec. 20; Serial No. 408,625; published Oct. 11, 1938. Class 19.

Societe Commerciale des Produits du Petrole, Paris, France. Lubricating oil. 363,298; Dec. 20; Serial No. 407,770; published Sept. 27, 1938. Class 15.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Lubricating oils and greases and for petroleum fuel distillates. 363,312; Dec. 20; Serial No. 408,518; published Oct. 4, 1938. Class 15.

Southern California Fish Co., East San Pedro, assignor, by mesne assignments, to Southern California Fish Corporation, Terminal Island, Calif. Canned tuna fish and sardines. 125,525; renewed May 20, 1939.

"Split" Anonimno društvo za Cement Portland, Split, Yugoslavia. Portland cement. 363,257; Dec. 20; Serial No. 387,955; published Oct. 11, 1938. Class 12.

Spotswood Specialty Company, Lexington, Ky. Toy guns or pistols. 363,328; Dec. 20; Serial No. 409,022; published Oct. 4, 1938. Class 22.

State Tire Co., Philadelphia, Pa. Automobile tires. 363,331; Dec. 20; Serial No. 409,065; published Oct. 11, 1938. Class 35.

Sterisol Ampoule Corp., Long Island City, N. Y. Equipment for parenteral administration of liquids, accessories therefor and parts thereof. 363,254; Dec. 20; Serial No. 372,441; published Oct. 11, 1938. Class 44.

Strathmore Paper Company, West Springfield, Mass. Blue-print and drawing papers. 363,290; Dec. 20; Serial No. 406,737; published Aug. 16, 1938. Class 37.

Stroh Brewery Company, The, Detroit, Mich. Beer. 363,354; Dec. 20; Serial No. 409,631; published Oct. 11, 1938. Class 48.

Sunbeam Chemical Company, assignor to Rit Products Corporation, Chicago, Ill. Dyes combined with soap. 123,662; renewed Nov. 19, 1938.

Swan-Finch Oil Corporation, New York, N. Y. Lubricating oils and greases. 363,339; Dec. 20; Serial No. 409,289; published Oct. 11, 1938. Class 15.

Tilo Roofing Company, Inc., Stratford, Conn. Paints for roofing and siding materials. 363,283; Dec. 20; Serial No. 405,745; published Oct. 11, 1938. Class 16.

Toby-Clark, Inc., New York, N. Y. Folding chairs. 363,360; Dec. 20; Serial No. 409,715; published Oct. 11, 1938. Class 32.

Trojan Playground Equipment Manufacturing Company, St. Cloud, Minn. Playground equipment, fittings and attachments. 363,326; Dec. 20; Serial No. 409,014; published Oct. 11, 1938. Class 22.

Tuttle, Rosa E., Newark, N. J. Dental casting golds. 363,296; Dec. 20; Serial No. 407,700; published Oct. 11, 1938. Class 44.

United Blade Company. (See United Razor Blade Corporation.)

United Razor Blade Corporation, also doing business as United Blade Company, Chicago, Ill. Safety razor blades. 363,255; Dec. 20; Serial No. 374,101; published Apr. 21, 1936. Class 23.

Walworth Clothes, Inc., Cleveland, Ohio. Men's clothing. 363,379; Dec. 20. Class 39.

Waples Platter Company, doing business as Great Western Foods Co., Fort Worth, Tex. Apple butter and jelly, canned black eyed peas, etc. 363,324; Dec. 20; Serial No. 408,909; published Oct. 11, 1938. Class 46.

Washington Dental Company, Washington, D. C. Dental restorations. 363,291–4; Dec. 20; Serial Nos. 407,341–4; published Oct. 11, 1938. Class 44.

Watkins, J. R., Company, The, Winona, Minn. Polishes, polishing waxes and oil. 363,286; Dec. 20; Serial No. 406,610; published Oct. 11, 1938. Class 16.

Weinberg Corporation, Chicago, Ill. Suits, overcoats, and topcoats. 363,327; Dec. 20; Serial No. 409,017; published Oct. 4, 1938. Class 39.

Westergaard, Berg-Johnsen Co., Brooklyn, N. Y. Canned anchovies and cut-up spiced herring. 363,315; Dec. 20; Serial No. 408,591; published Oct. 11, 1938. Class 46.

Youngstown Sheet & Tube Company, The, Youngstown, Ohio. Metal pipes, tubes, and well casings. 363,308; Dec. 20; Serial No. 408,175; published Oct. 11, 1938. Class 13.

LIST OF REGISTRANTS OF LABELS

Austin, Nichols & Co., Inc., Brooklyn, N. Y. Sunbeam. For Preserves. 52,232; Dec. 20.

Bell Bakeries, Inc., New York, N. Y. Bell Bread. For Bread. 52,233; Dec. 20.

Bostwick, C. A., Inc., New York, N. Y. World's Fair Boutonniere. For Souvenir Boutonnieres. 52,234; Dec. 20.

Buehler & McNally, Wilmar, Calif. White Sno Line Skin Dye. For a Dye for Whitening Gloves, Skin Coats, Suede and Canvas. 52,235; Dec. 20.

Cherry Specialty Company, Chicago, Ill. Dainties Miniature Chocolates. For Chocolates. 52,236; Dec. 20.

Choice Manufacturing Co. (See Levy, Richard.)

Clyde Printing Co. Inc., New York, N. Y. The 'Cavalier' Pad. For Five Suit or Contract Bridge Score Pads. 52,238; Dec. 20.

Daggett Chocolate Company, Cambridge, Mass. Small Pieces. For Chocolates. 52,239; Dec. 20.

Gumpert, S., Co. Inc., Ozone Park, N. Y. Frosty-Fruit Ice Cream Cake. For Ice Cream Cakes. 52,240; Dec. 20.

Hart Drug Corporation, Miami, Fla. Unguentum Morrhuol Comp. For an Unguentum. 52,241; Dec. 20.

Hart Drug Corporation, Miami, Fla. Iso-Efemist. For Isotonic Ephedrine Solution. 52,242–3; Dec. 20.

Hoague-Sprague Corporation, Lynn, Mass. Maling Shoes. For Boxes. 52,244; Dec. 20.

Hoague-Sprague Corporation, Lynn, Mass. O. S. C. Sports Miss. For Boxes. 52,245; Dec. 20.

Hoague-Sprague Corporation, Lynn, Mass. Irma Mae. For Boxes. 52,246; Dec. 20.

Hoague-Sprague Corporation, Lynn, Mass. Walton Shoes. For Boxes. 52,247; Dec. 20.

Hoague-Sprague Corporation, Lynn, Mass. Stanley Melvin. For Boxes. 52,248; Dec. 20.

Hoague-Sprague Corporation, Lynn, Mass. Joléne. For Boxes. 52,249; Dec. 20.

Hoague-Sprague Corporation, Lynn, Mass. Moore Value. For Boxes. 52,250; Dec. 20.

Hoague-Sprague Corporation, Lynn, Mass. Famous Five For Men. For Boxes. 52,251; Dec. 20.

Hoague-Sprague Corporation, Lynn, Mass. Maling Shoes. For Boxes. 52,252; Dec. 20.

Horlacher Brewing Co., Allentown, Pa. Horlacher's. For Pilsner Beer. 52,253; Dec. 20.

Keeter, J. A., Candy Company, Amarillo, Tex. Wagon Wheel 5¢ Keeter's Kwality Kandies. For Candy. 52,254; Dec. 20.

Levy, Richard, doing business as Choice Manufacturing Co., Jackson Heights, N. Y. Choice the New Fine Candy. For Candy. 52,237; Dec. 20.

Krispy Kake Kone Kompany, Los Angeles, Calif. Nick-L-Pie. For an Ice Cream Sandwich. 52,255; Dec. 20.

Lucky Heart Laboratories, Inc., doing business as Lucky Heart Company, Memphis, Tenn. Ace High Pomade. For a Hair Pomade. 52,256; Dec. 20.

Morrison, Thomas J., Buffalo, N. Y. Home Run With Bases Loaded. For a Game. 52,257; Dec. 20.

Pillsbury Flour Mills Company, Minneapolis, Minn. Sno Sheen. For Cake Flour. 52,258; Dec. 20.

Roart, Alphonse, Inc., Philadelphia, Pa. Crêpes Suzette. For Crêpes Suzette. 52,259; Dec. 20.

Rutherford Food Corporation, Kansas City, Mo. Chili Con Carne with Beans. For Chili Con Carne with Beans. 52,260; Dec. 20.

Scott Paper Company, Philadelphia, to Scott Paper Company, Chester, Pa., successor. Scot Tissue. For Paper Towels. 15,570; renewed Dec. 30, 1938.

Scott Paper Company, Philadelphia, to Scott Paper Company, Chester, Pa., successor. Waldorf Towels. For Paper Towels. 15,630; renewed Mar. 2, 1939.

Smith, A. E., doing business as A. E. Smith Engineering Co., San Francisco, Calif. Power Pruner. For Power Pruners. 52,266; Dec. 20.

Sorg Paper Co., The, Middletown, Ohio. Florette Toilet Tissues. For Toilet Tissue. 52,261; Dec. 20.

Sorg Paper Co., The, Middletown, Ohio. Fleuré Roll Tissue Towels. For Tissue Towels. 52,262; Dec. 20.

Strubbe, Harry H., Kansas City, Mo. Fido-Foam. For a Shampoo for Dogs, Cats and Domestic Animals. 52,263; Dec. 20.

Trade Lithograph & Printing Co., Inc., New York, N. Y. Wormser Hats. For Hat Boxes. 52,264; Dec. 20.

Zink, William J., Downey, Calif. Gorilla Brand. For Gasoline. 52,265; Dec. 20.

LIST OF REGISTRANTS OF PRINTS

Barnes, Susie R., Enumclaw, Wash. Crea M Ilk. For Cream and Milk. 17,164; Dec. 20.
General Mills, Inc., Minneapolis, Minn. Christmas Isn't Christmas—Without Fruit Cake! For Flour. 17,165; Dec. 20.
Goldblatt Bros. Inc., Chicago, Ill. Candid Camera Hats. For Ladies' and Girls' Hats. 17,166; Dec. 20.
Hershey Chocolate Corporation, Hershey, Pa. Krackel with Toasted Almonds Made by Hershey. For Chocolate Bars. 17,167; Dec. 20.
Nortman, Eric H. (See Robertson, R. W. and Nortman.)
Robertson, Rollo W., and E. H. Nortman, Toronto, Ontario, Canada. Coffee's Full of Beans. For Coffee. 17,168; Dec. 20.
Union Oil Company of California, Los Angeles, Calif. Triton Motor Oil Changes Ping to Purr. For Motor Oil. 17,169; Dec. 20.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Atlantic Coal Company. 363,383; Dec. 20.
Coal. Maumee Collieries Company. 363,397; Dec. 20.
Furs, Dyed. Oakland Fur Dyeing Co. 363,275; Dec. 20; Serial No. 402,270; published Oct. 11, 1938.
Hides and leather. Kistler, Lesh & Company. 363,375; Dec. 20; Serial No. 409,271; published Oct. 18, 1938.
Pelts and skins. Silverman & Grean, Inc. 363,313–14; Dec. 20; Serial Nos. 408,580–1; published Oct. 11, 1938.
Seeds. Newday Seeds, Inc. 363,277; Dec. 20; Serial No. 403,611; published Oct. 11, 1938.

CLASS 2

Boxes, Paper. Russell Box Company. 363,391; Dec. 20.

CLASS 3

Straps for infants, Safety. C. W. Scheidt. 363,388; Dec. 20.

CLASS 4

Cleansing preparation for artificial dentures. O. E. McKim. 363,330; Dec. 20; Serial No. 409,050; published Oct. 11, 1938.
Dressings, Shoe. Everett and Barron Company. 363,357; Dec. 20; Serial No. 406,683; published Oct. 11, 1938.
Polish, Silver. A. E. Keller. 363,367; Dec. 20; Serial No. 409,771; published Oct. 11, 1938.
Soap. Piggly Wiggly Corporation. 363,359; Dec. 20; Serial No. 409,694; published Oct. 11, 1938.
Solvent compound, Cleaning. J. A. Schulte, Jr. 363,353; Dec. 20; Serial No. 409,625; published Oct. 11, 1938.

CLASS 6

Cream, Toilet. Howard Bros. Chemical Co. 123,599; renewed Nov. 19, 1938.
Dyes combined with soap. Sunbeam Chemical Company. 123,662; renewed Nov. 19, 1938.
Moth preventive and exterminator. Phenol Chemical Company. 123,483; renewed Nov. 12, 1938.

CLASS 7

Twine. Columbian Rope Company. 125,201–2; renewed Apr. 22, 1939.

CLASS 8

Pipes. Naamlooze Vennootschap Goedewaagen's Koninklijke Hollandsche Pijpen- en Aardewerkfabrieken. 363,346; Dec. 20; Serial No. 409,433; published Oct. 11, 1938.
Pipes, Smokers'. S. B. Goldman. 363,280; Dec. 20; Serial No. 404,848; published Oct. 11, 1938.

CLASS 9

Ammunition. Remington Arms Company. 363,378; Dec. 20.

CLASS 10

Chemicals for inducing and accelerating the growth of root fibres on plants. Root-Gro Chemical Company. 363,377; Dec. 20.

CLASS 12

Bark for thermal and sound insulation, Finely shredded. Pacific Lumber Company. 363,258; Dec. 20; Serial No. 389,149; published May 11, 1937.
Building materials. David E. Kennedy, Inc. 363,270; Dec. 20; Serial No. 401,490; published Mar. 1, 1938.
Cement, Portland. "Split" Anonimno društvo za Cement Portland. 363,257; Dec. 20; Serial No. 387,955; published Oct. 11, 1938.
Lumber. Plunkett-Webster Lumber Co. 363,259; Dec. 20; Serial No. 394,754; published Oct. 4, 1938.
Lumber, woodwork, paneling, etc. Arkansas Soft Pine Bureau. 363,295; Dec. 20; Serial No. 407,516; published Oct. 11, 1938.
Partitions, rolling partitions and shutters, Folding. H. B. Dodge and Company. 363,253; Dec. 20; Serial No. 356,340; published Oct. 11, 1938.
Paving materials, Bituminous. General Crushed Stone Company. 363,300; Dec. 20; Serial No. 407,865; published Oct. 11, 1938.

Roofing and building papers, steel roofing and sheets, roofing tin, Asphalt composition. Ohio Valley Hardware & Roofing Company. 363,310; Dec. 20; Serial No. 408,472; published Oct. 4, 1938.
Shingles and siding. Sherriff-Goslin Co. 363,355; Dec. 20; Serial No. 409,656; published Oct. 11, 1938.
Shingles, Asphalt composition. Globe Roofing Products Co. Inc. 363,337; Dec. 20; Serial No. 409,269; published Oct. 11, 1938.
Window units, Factory fitted. Roach & Musser Company. 363,304; Dec. 20; Serial No. 408,074; published Oct. 4, 1938.

CLASS 13

Hardware, Builders'. Oscar C. Rixson Co. 363,297; Dec. 20; Serial No. 407,763; published Oct. 11, 1938.
Pipe nipples, Running thread. K. Berger. 363,380; Dec. 20.
Pipes, tubes, and well casings, Metal. Youngstown Sheet & Tube Company. 363,308; Dec. 20; Serial No. 408,175; published Oct. 11, 1938.
Strapping, Steel. Acme Steel Company. 363,273; Dec. 20; Serial No. 401,972; published Oct. 11, 1938.

CLASS 14

Metals in powder form, Disintegrated. Metals Disintegrating Company. 363,358; Dec. 20; Serial No. 409,691; published Oct. 11, 1938.

CLASS 15

Fuels, gasoline, fuel oils, etc., Motor. Fax Corporation. 363,325; Dec. 20; Serial No. 408,916; published Oct. 11, 1938.
Gasoline. Ashland Oil & Refining Company. 363,263; Dec. 20; Serial No. 396,756; published Oct. 4, 1938.
Oil, Lubricating. Societe Commerciale des Produits du Petrole. 363,298; Dec. 20; Serial No. 407,770; published Sept. 27, 1938.
Oils and greases and for petroleum fuel distillates, Lubricating. Socony-Vacuum Oil Company. 363,312; Dec. 20; Serial No. 408,518; published Oct. 4, 1938.
Oils and greases, Lubricating. Logan Bulk Filling Station, Inc. 363,289; Dec. 20; Serial No. 406,725; published Sept. 13, 1938.
Oils and greases, Lubricating. Swan-Finch Oil Corporation. 363,339; Dec. 20; Serial No. 409,289; published Oct. 11, 1938.

CLASS 16

Paints for roofing and siding materials. Tilo Roofing Company. 363,283; Dec. 20; Serial No. 405,745; published Oct. 11, 1938.
Paints, Marine. American Marine Paint Company. 125,321; renewed May 13, 1939.
Paints, paint primers, paint enamels, etc. Pittsburgh Paint Glass Company. 363,369–70; Dec. 20; Serial Nos. 409,776–7; published Oct. 11, 1938.
Paints, varnishes, and paint enamels. General Paint & Varnish Co. 363,392; Dec. 20.
Polishes and polishing waxes and oil. J. R. Watkins Company. 363,286; Dec. 20; Serial No. 406,610; published Oct. 11, 1938.

CLASS 19

Wiper blades, Vehicle windshield. Sleetex Company. 363,317; Dec. 20; Serial No. 408,625; published Oct. 11, 1938.

CLASS 21

Batteries, Storage. Electric Storage Battery Company. 363,361–2; Dec. 20; Serial Nos. 409,727–8; published Oct. 11, 1938.
Electrode holders, Welding. S-M-S Corporation. 363,389; Dec. 20.

CLASS 22

Dolls. Faultless Rubber Company. 125,272; renewed Apr. 29, 1939.
Golf balls. R. De Salvo. 363,395; Dec. 20.
Playground equipment, fittings, and attachments. Trojan Playground Equipment Manufacturing Company. 363,326; Dec. 20; Serial No. 409,014; published Oct. 11, 1938.

Rattle, Child's. Hoover Products Inc. 363,363; Dec. 20; Serial No. 409,736; published Oct. 11, 1938.
Toy guns or pistols. Spotswood Specialty Company. 363,328; Dec. 20; Serial No. 409,022; published Oct. 4, 1938.
Vehicles comprising velocipedes, Juvenile. American National Company. 363,260; Dec. 20; Serial No. 395,115; published Oct. 4, 1938.

CLASS 23

Cutlery, machinery, and tools and parts thereof. American Insulating Machinery Company. 124,652; renewed Mar. 11, 1939.
Fire extinguishers, Portable. Pyrene Manufacturing Company. 363,302; Dec. 20; Serial No. 407,918; published Oct. 11, 1938.
Mowers, sweepers, trimmers and grass collectors, Lawn. Philadelphia Lawn Mower & Mfg. Co. 363,338; Dec. 20; Serial No. 409,282; published Oct. 11, 1938.
Razor blades, Safety. Colton Razor Blade Company. 363,364; Dec. 20; Serial No. 409,763; published Oct. 11, 1938.
Razor blades, Safety. United Razor Blade Corporation. 363,255; Dec. 20; Serial No. 374,101; published Apr. 21, 1936.
Razors and safety razor blades, Safety. Gillette Safety Razor Company. 363,342; Dec. 20; Serial No. 409,398; published Oct. 11, 1938.
Razors, Electric. Sears, Roebuck and Co. 363,266; Dec. 20; Serial No. 399,428; published Jan. 11, 1938.
Scissors and shears. Clayton Manufacturing Company. 363,276; Dec. 20; Serial No. 402,590; published Oct. 11, 1938.
Tools and metal cutting attachments, Power. Sears, Roebuck and Co. 363,256; Dec. 20; Serial No. 380,595; published Oct. 11, 1938.
Typewriting machines and parts thereof. Royal Typewriter Company. 363,373; Dec. 20; Serial No. 409,901; published Oct. 11, 1938.

CLASS 26

Measuring and control instruments and apparatus for automatically controlling an operation responsively to the fluctuations of a variable condition. Brown Instrument Company. 363,274; Dec. 20; Serial No. 402,214; published Oct. 11, 1938.
Sunggoggles and nose shields. Foster Grant Co., Inc. 363,365; Dec. 20; Serial No. 409,768; published Oct. 11, 1938.
Thermometers. Palmer Company. 363,368; Dec. 20; Serial No. 409,775; published Oct. 11, 1938.

CLASS 27

Dials, Watch and clock. J. R. Breivogel. 363,320; Dec. 20; Serial No. 408,688; published Oct. 11, 1938.

CLASS 28

Bracelets, clasps, and buckles, Wrist-watch. A and Z Chain Company. 363,336; Dec. 20; Serial No. 409,250; published Sept. 27, 1938.
Jewelry. M. Cunningham. 363,332; Dec. 20; Serial No. 409,087; published Oct. 11, 1938.
Jewelry. Felch & Co. 363,309; Dec. 20; Serial No. 408,272; published Oct. 11, 1938.
Rings, Finger. M. A. Reich. 363,311; Dec. 20; Serial No. 408,475; published Oct. 11, 1938.

CLASS 31

Refrigerators, refrigerator show cases, display cases, etc. Frosted Cabinets Inc. 363,366; Dec. 20; Serial No. 409,769; published Oct. 4, 1938.

CLASS 32

Chairs, Folding. Toby-Clark, Inc. 363,360; Dec. 20; Serial No. 409,715; published Oct. 11, 1938.
Furniture. Ostermoor & Company. 363,262; Dec. 20; Serial No. 395,484; published Oct. 4, 1938.
Pads, Nursery chair, play pen, carriage, etc. Archer Mfg. 363,329; Dec. 20; Serial No. 409,024; published Oct. 4, 1938.

CLASS 34

Stoves, ranges, and hot-air furnaces, and parts of same. Cribben & Sexton Company. 363,261; Dec. 20; Serial No. 395,126; published Oct. 11, 1938.
Ventilators, Roof. James Manufacturing Company. 363,285; Dec. 20; Serial No. 406,451; published Oct. 11, 1938.

CLASS 35

Tires, Automobile. State Tire Co. 363,331; Dec. 20; Serial No. 409,065; published Oct. 11, 1938.

CLASS 36

Phonograph needles. Electrovox Company. 363,348; Dec. 20; Serial No. 409,514; published Oct. 11, 1938.

CLASS 37

Cards, filing guides, folders, etc., Filing. Goldsmith Bros. 363,345; Dec. 20; Serial No. 409,427; published Oct. 11, 1938.
Cards, filing guides, folders, etc., Filing. Goldsmith Bros. 363,349; Dec. 20; Serial No. 409,519; published Oct. 11, 1938.

Paper, Bond. Lee Paper Company. 363,393; Dec. 20.
Paper tape, Gummed. Mid-States Gummed Paper Co. 363,323; Dec. 20; Serial No. 408,891; published Oct. 11, 1938.
Papers, Blue-print and drawing. Strathmore Paper Company. 363,290; Dec. 20; Serial No. 406,737; published Aug. 16, 1938.
Tissue and paper towels, Toilet. Leonard Tissue Company. 363,316; Dec. 20; Serial No. 408,606; published Oct. 11, 1938.

CLASS 39

Clothing, Men's. Walworth Clothes, Inc. 363,379; Dec. 20.
Coats and suits, Ladies' and misses'. Keller-Kohn Co. 363,387; Dec. 20.
Footwear and hosiery, Burial. Practical Burial Slipper Company. 363,398; Dec. 20.
Frocks, Children's wash. Edward Shuwall & Co. Inc. 363,381; Dec. 20.
Hosiery. Clarence L. Meyers & Co. 363,335; Dec. 20; Serial No. 409,203; published Oct. 4, 1938.
Shirts for outer wear, Men's. Hilker-Wiechers Manufacturing Co. 124,537; renewed Feb. 25, 1939.
Shoes and slippers. A. S. Beck Shoe Corporation. 363,386; Dec. 20.
Suits, overcoats, and topcoats. Weinberg Corporation. 363,327; Dec. 20; Serial No. 409,017; published Oct. 4, 1938.
Topcoats. Schloss Bros. & Co. Inc. 363,396; Dec. 20, 1938.
Underwear and pajamas, and polo shirts. Quality Knitting Co. Inc. 363,394; Dec. 20.

CLASS 42

Curtains and curtain materials. Cromwell Paper Co. 363,299; Dec. 20; Serial No. 407,793; published Oct. 11, 1938.
Fabrics of silk. Harry L. Sheinman & Sons Inc. 363,271; Dec. 20; Serial No. 401,790; published Oct. 11, 1938.
Piece goods of cotton, silk, rayon, etc. Klein Brothers Fabrics Corporation. 363,340; Dec. 20; Serial No. 409,319; published Oct. 11, 1938.
Pillow cases, bed sheetings, and bed sheets. Alexander Manufacturing Company. 363,374; Dec. 20; Serial No. 409,986; published Oct. 11, 1938.
Rugs, carpets, linens, etc. R. H. Macy & Co. 363,269; Dec. 20; Serial No. 400,915; published Oct. 11, 1938.
Silk piece goods. H. R. Mallinson & Co. Inc. 123,917; renewed Dec. 17, 1938.
Woolen and worsted piece goods. Botany Worsted Mills. 363,371; Dec. 20; Serial No. 409,838; published Oct. 11, 1938.
Woolen piece goods. Forstmann Woolen Co. 363,344; Dec. 20; Serial No. 409,424; published Oct. 11, 1938.
Woolen piece goods. New Process Company. 363,306; Dec. 20; Serial No. 408,125; published Oct. 11, 1938.

CLASS 44

Dental casting golds. R. E. Tuttle. 363,296; Dec. 20; Serial No. 407,700; published Oct. 11, 1938.
Dental restorations. Washington Dental Company. 363,291–4; Dec. 20; Serial Nos. 407,341–4; published Oct. 11, 1938.
Equipment for the parenteral administration of liquids, accessories therefor, and parts thereof. Sterisol Ampoule Corp. 363,254; Dec. 20; Serial No. 372,441; published Oct. 11, 1938.
Gold, Casting. Julius Aderer, Inc. 363,350; Dec. 20; Serial No. 409,550; published Oct. 11, 1938.
Hair dryers, Electric. C. & W. Manufacturing Co. 363,343; Dec. 20; Serial No. 409,418; published Oct. 11, 1938.
Violet ray apparatus and parts, electrical vibrators, etc. Eastern Laboratories, Inc. 363,281; Dec. 20; Serial No. 404,889; published Oct. 11, 1938.
X-ray tables and stands. Wm. Meyer Co. 123,625; renewed Nov. 19, 1938.

CLASS 45

Beverage, and sirup and extract for making the same, Mixer. F. J. Becker. 363,321; Dec. 20; Serial No. 408,745; published Oct. 11, 1938.
Beverages. A. J. Canfield Co. 363,356; Dec. 20; Serial No. 409,680; published Oct. 11, 1938.
Beverages, and sirups and extracts for making the same. Monarch Manufacturing Company. 363,372; Dec. 20; Serial No. 409,845; published Oct. 11, 1938.
Extracts and fruit syrups used in the preparation of soft drinks, and beverages made from same. J. F. Lazier Manufacturing Co. 363,305; Dec. 20; Serial No. 408,112; published Oct. 11, 1938.
Juice. Canned citrus. California Consumers Corporation. 363,384; Dec. 20.

CLASS 46

Apple butter and jelly, canned black eyed peas, etc. Waples Platter Company. 363,324; Dec. 20; Serial No. 408,909; published Oct. 11, 1938.
Baking powder and coffee. Rich Maid Manufacturing Company. 363,318; Dec. 20; Serial No. 408,676; published Oct. 11, 1938.
Candy, chocolate, bonbons, etc. Rueckheim Bros. & Eckstein. 124,412; renewed Feb. 11, 1939.

Canned anchovies and cut-up spiced herring. Westergaard, Berg-Johnsen Co. 363,315; Dec. 20; Serial No. 408,591; published Oct. 11, 1938.
Canned frozen citrus juices. California Consumers Corporation. 363,385; Dec. 20.
Canned goods. California Consolidated Canneries, Inc. 363,264; Dec. 20; Serial No. 396,976; published Oct. 11, 1938.
Canned pineapple. Hawaiian Pineapple Company. 363,284; Dec. 20; Serial No. 406,131; published Oct. 11, 1938.
Canned tuna fish and sardines. Southern California Fish Co. 125,525; renewed May 20, 1939.
Canned vegetables. Sergeant & Nicholoy, Inc. 363,347; Dec. 20; Serial No. 409,492; published Oct. 11, 1938.
Chicken, Frozen, prepared. Perry Bros. 363,382; Dec. 20.
Coffee. A. Kickbusch Grocery Company. 123,908; renewed Dec. 17, 1938.
Feeds. Louisville Drying Machinery Company. 363,267; Dec. 20; Serial No. 399,716; published Oct. 11, 1938.
Flour, Wheat. Halstead Milling & Elevator Co. 124,097; renewed Jan. 14, 1939.
Flour, Wheat. Pillsbury Flour Mills Company. 363,351; Dec. 20; Serial No. 409,588; published Oct. 11, 1938.
Flours, hot chocolate powder, etc., Prepared. Modern Maid Food Products. 363,265; Dec. 20; Serial No. 397,717; published Oct. 11, 1938.
Food product made of cheese and edible vegetable oil. Borden Company. 363,272; Dec. 20; Serial No. 401,886; published May 17, 1938.
Fruit juices. Bireley's Inc. 363,279; Dec. 20; Serial No. 404,348; published Oct. 11, 1938.
Lunches. B. Osborne. 363,303; Dec. 20; Serial No. 407,959; published Oct. 11, 1938.
Oranges. Fred W. Pope and Thomas W. Bryant. 363,390; Dec. 20.
Peanuts, Salted. Peanut Products Company. 363,278; Dec. 20; Serial No. 403,733; published May 31, 1938.
Soup, Onion. French Kitchen Foods Corporation. 363,341; Dec. 20; Serial No. 409,352; published Oct. 11, 1938.
Soup, pork and beans, and soups, Pea. Catelli Food Products, Ltd. 363,322; Dec. 20; Serial No. 408,751; published Oct. 11, 1938.
Sugar, Cane. W. J. McCahan Sugar Refining & Molasses Co. 363,376; Dec. 20.
Teas and coffees' Austin, Nichols & Co. 363,319; Dec. 20; Serial No. 408,686; published Oct. 11, 1938.

CLASS 47

Wines. J. Mutascio. 363,333–4; Dec. 20; Serial Nos. 409,102–3; published Oct. 11, 1938.

CLASS 48

Beer. Stroh Brewery Company. 363,354; Dec. 20; Serial No. 409,631; published Oct. 11, 1938.
Beers. Berliner Schlossbrauerei Aktiengesellschaft. 363,287–8; Dec. 20; Serial Nos. 406,705–6; published Oct. 11, 1938.
Malt beverages. Regal Amber Brewing Co. 363,352; Dec. 20; Serial No. 409,621; published Oct. 11, 1938.

CLASS 49

Whiskey. Bardstown Distillery, Inc. 363,307; Dec. 20; Serial No. 408,148; published Oct. 11, 1938.
Whiskey. Gooderham & Worts Limited. 363,268; Dec. 20; Serial No. 400,761; published Jan. 18, 1938.
Whisky. Duncan Weston & Company Limited. 363,282; Dec. 20; Serial No. 405,188; published Oct. 4, 1938.
Whisky. Ripy Bros. Distillers, Incorporated. 363,301; Dec. 20; Serial No. 407,820; published Oct. 4, 1938.

LIST OF LABELS

Ace High Pomade. For a Hair Pomade. Lucky Heart Laboratories, Inc. 52,256; Dec. 20.
Bell Bread. For Bread. Bell Bakeries, Inc. 52,233; Dec. 20.
Chili Con Carne with Beans. For Chili Con Carne with Beans. Rutherford Food Corporation. 52,260; Dec. 20.
Choice the New Fine Candy. For Candy. R. Levy. 52,237; Dec. 20.
Crêpes Suzette. For Crêpes Suzette. Alphonse Roart, Inc. 52,259; Dec. 20.
Dainties Miniature Chocolates. For Chocolates. Cherry Specialty Company. 52,236; Dec. 20.
Famous Five for Men. For Boxes. Hoague-Sprague Corporation. 52,251; Dec. 20.
Fido-Foam. For a Shampoo for Dogs, Cats and Domestic Animals. H. H. Strubbe. 52,263; Dec. 20.
Fleuré Roll Tissue Towels. For Tissue Towels. Sorg Paper Co. 52,262; Dec. 20.
Florette Toilet Tissues. For Toilet Tissue. Sorg Paper Co. 52,261; Dec. 20.
Frosty-Fruit Ice Cream Cake. For Ice Cream Cakes. S. Gumpert Co. Inc. 52,240; Dec. 20.
Gorilla Brand. For Gasoline. W. J. Zink. 52,265; Dec. 20.
Home Run With Bases Loaded. For a Game. T. J. Morrison. 52,257; Dec. 20.
Horlacher's. For Pilsner Beer. Horlacher Brewing Co. 52,253; Dec. 20.
Irma Mae. For Boxes. Hoague-Sprague Corporation. 52,246; Dec. 20.
Iso-Efemist. For Isotonic Ephedrine Solution. Hart Drug Corporation. 52,242–3; Dec. 20.
Joléne. For Boxes. Hoague-Sprague Corporation. 52,249; Dec. 20.
Maling Shoes. For Boxes. Hoague-Sprague Corporation. 52,244; Dec. 20.
Maling Shoes. For Boxes. Hoague-Sprague Corporation. 52,252; Dec. 20.
Moore Value. For Boxes. Hoague-Sprague Corporation. 52,250; Dec. 20.
Nick-L-Pie. For an Ice Cream Sandwich. Krispy Kake Kone Kompany. 52,255; Dec. 20.
O. S. C. Sports Miss. For Boxes. Hoague-Sprague Corporation. 52,245; Dec. 20.
Power Prnner. For Power Pruners. A. E. Smith. 52,266; Dec. 20.
Scot Tissue. For Paper Towels. Scott Paper Company. 15,570; Renewed Dec. 30, 1938.
Small Pieces. For Chocolates. Daggett Chocolate Company. 52,239; Dec. 20.
Sno Sheen. For Cake Flour. Pillsbury Flour Mills Company. 52,258; Dec. 20.
Stanley Melvin. For Boxes. Hoague-Sprague Corporation. 52,248; Dec. 20.
Sunbeam. For Preserves. Austin, Nichols & Co. 52,232; Dec. 20.
The 'Cavalier' Pad. For Five Suit or Contract Bridge Score Pads. Clyde Printing Co. Inc. 52,238; Dec. 20.
Unguentum Morrhu-Comp. For an Unguentum. Hart Drug Corporation. 52,241; Dec. 20.
Wagon Wheel 5¢ Keeter's Kwality Kandies. For Candy. J. A. Keeter Candy Company. 52,254; Dec. 20.
Waldorf Towels. For Paper Towels. Scott Paper Company. 15,630; renewed Mar. 2, 1939.
Walton Shoes. For Boxes. Hoague-Sprague Corporation. 52,247; Dec. 20.
White Sno Line Skin Dye. For a Dye For Whitening Gloves, Skin Coats, Suede and Canvas. Buehler & McNally. 52,235; Dec. 20.
World's Fair Boutonniere. For Souvenir Boutonnieres. C. A. Bostwick, Inc. 52,234; Dec. 20.
Wormser Hats. For Hat Boxes. Trade Lithograph & Printing Co. 52,264; Dec. 20.

LIST OF PRINTS

Candid Camera Hats. For Ladies' and Girls' Hats. Goldblatt Bros. Inc. 17,166; Dec. 20.
Christmas Isn't Christmas—Without Fruit Cake! For Flour. General Mills, Inc. 17,165; Dec. 20.
Coffee's Full of Beans. For Coffee. Rollo William Robertson and Eric Hans Nortman. 17,168; Dec. 20.
Crea M Ilk. For Cream and Milk. S. R. Barnes. 17,164; Dec. 20.
Krackel with Toasted Almonds Made by Hershey. For Chocolate Bars. Hershey Chocolate Corporation. 17,167; Dec. 20.
Triton Motor Oil Changes Ping to Purr. For Motor Oil. Union Oil Company of California. 17,169; Dec. 20.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 20TH DAY OF DECEMBER, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Brandt, David G., Westfield, assignor, by mesne assignments, to Power Patents Company, Jersey City, N. J. Process and apparatus for pressure distillation. Re. 20,951; Dec. 20.
North American Rayon Corporation. (See Stoeckly, J. J., and Witte, assignors.)
Power Patents Company. (See Brandt, David G., assignor.)
Service Devices, Inc. (See Smith, Ralston, R., assignor.)
Smith, Ralston R., Oakland, Calif., assignor, by mesne assignments, to Service Devices, Inc. Ice shaving machine. Re. 20,952; Dec. 20.
Stoeckly, Johann J., Teltow-Seehof, and E. Witte, Berlin-Lichterfelde Ost, Germany, assignors to North American Rayon Corporation, New York, N. Y. Forming artificial silk, etc., of mat appearance. Re. 20,953; Dec. 20.
Witte, Erhard. (See Stoeckly, J. J., and Witte.)

LIST OF DESIGN PATENTEES

Altaire, Earl, Kansas City, Mo., assignor to Electrical Testing Laboratories, New York, N. Y. Floor lamp. 112,630; Dec. 20.
Altaire, Earl, Kansas City, Mo., assignor to Electrical Testing Laboratories, New York, N. Y. Table lamp. 112,631; Dec. 20.
Aluminum Company of America. (See Goll, F. D., and Wareham, assignors.)
Apex Electrical Manufacturing Company, The, as trustee. (See Kirby, James B., assignor.)
Arden, Elizabeth, Inc. (See Lewis, Florence N., assignor.)
Barnhart, Adam B., New York, N. Y., assignor to J. Cochran, doing business as J. C. Laboratories, Roselle, N. J. Cosmetic box. 112,650; Dec. 20.
Barnhart, Adam B., New York, N. Y., assignor to J. Cochran, doing business as J. C. Laboratories, Roselle, N. J. Cosmetic case. 112,651; Dec. 20.
Baxter, Ernest W., Detroit, Mich. Bicycle. 112,593; Dec. 20.
Ben-Burk, Inc. (See Berkowitz, Hyman C., assignor.)
Berkowitz, Hyman C., assignor to Ben-Burk, Inc., Boston, Mass. Bottle. 112,632; Dec. 20.
Bridgeport Metal Goods Manufacturing Company, The. (See Ferris, Isaac L., assignor.)
Bruce, Leo I., Framingham, Mass., assignor to Warren Telechron Company. Clock case. 112,594; Dec. 20.
Bruce, Leo I., Framingham, Mass., assignor to Warren Telechron Company. Clock case. 112,595; Dec. 20.
Bruce, Leo I., Framingham, Mass., assignor to Warren Telechron Company. Clock case. 112,596; Dec. 20.
Castelli, Frank C., Carrol Park, Pa. Chair. 112,597; Dec. 20.
Cazin, Otto K., Hoboken, N. J., assignor to Universal Camera Corporation, New York, N. Y. Photo flash unit or similar article. 112,633; Dec. 20.
Cecil, William, New York, N. Y. Fruit juice extractor. 112,652; Dec. 20.
Cincinnati Bickford Tool Company, The. (See Schauer, Lawrence L., assignor.)
Clark, Geo. V., Co. (See Hirschland, Richard S., assignor.)
Cochran, Jacqueline. (See Barnhart, Adam B., assignor.)
Cretors, Charles J., Chicago, Ill. Corn popping machine. 112,598; Dec. 20.
Croasdale, John P., Jr. (See de Angelis, A. C., and Croasdale.)
De Angelis, Arthur C., and J. P. Croasdale, Jr., assignors to L. P. Weil, Philadelphia, Pa. Flower holder. 112,599; Dec. 20.
Deighan, Neil F. (See Egan, W. C., and Deighan.)
Delman, Herman B., New York, N. Y. Shoe. 112,600; Dec. 20.
Delman, Herman B., New York, N. Y. Shoe. 112,601; Dec. 20.
Devol, George C., Jr., St. Albans, assignor to United Cinephone Corporation, Long Island City, N. Y. Lighting fixture. 112,634; Dec. 20.
Eastern Isles Importing Co., The. (See Spirn, Marvin L., assignor.)
Egan, William C., Jersey City, and N. F. Deighan, Pennsauken, N. J. Plaque or the like. 112,602; Dec. 20.
Electrical Testing Laboratories. (See Altaire, Earl, assignor.)
Electrical Testing Laboratories. (See Higgins, Jane, assignor.)
Englander, Joseph, New York, N. Y. Lace insertion. 112,653; Dec. 20.
Exhibit Supply Company, The. (See Meyer, John F., assignor.)
Farkas, Joseph D., New Rochelle, N. Y. Clip for sanitary garments. 112,603; Dec. 20.
Ferris, Isaac L., assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn. Pocket flashlight. 112,635; Dec. 20.
Garten, William, Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del. Tray. 112,604; Dec. 20.
Goldberg, Jack, New York, N. Y. Dress ensemble. 112,654; Dec. 20.
Goll, Frank D., and J. K. Wareham, New Kensington, assignors to Aluminum Company of America, Pittsburgh, Pa. Metallic container or similar article. 112,636; Dec. 20.
Greier, George A., College Point, N. Y. Ash receptacle. 112,637; Dec. 20.
Guerin, Jacques, Paris, France. Perfume bottle. 112,638; Dec. 20.
Helms, Lillian, New York, N. Y. Dress or similar article. 112,655; Dec. 20.
Higgins, Jane, Riverside, R. I., assignor to Electrical Testing Laboratories, New York, N. Y. Floor lamp. 112,639; Dec. 20.
Hirschland, Richard S., Harrison, assignor to Geo. V. Clark Co., Inc., Long Island City, N. Y. Windowed canister. 112,656; Dec. 20.
J. C. Laboratories. (See Barnhart, Adam B., assignor.)
Kahn, Morris, New York, N. Y. Finger ring. 112,605; Dec. 20.
Kato, Kisaburo, San Francisco, Calif. Bowl or analogous article. 112,606; Dec. 20.
Kelley, Earl L., Los Angeles, Calif. Clock dial. 112,607; Dec. 20.
Keough, Timothy L., Roxbury, Mass. Toothpick case. 112,640; Dec. 20.
Kessler, Betty, New York, N. Y. Dress. 112,657; Dec. 20.
Kirby, James B., West Richfield, assignor to The Apex Electrical Manufacturing Company, as trustee, Cleveland, Ohio. Washing machine agitator. 112,658; Dec. 20.
Knudstrup, Aksel J. C. (See Robinson, H. R., and Knudstrup.)
Lang, Franz, Astoria, Long Island, N. Y. Ashtray. 112,641; Dec. 20.
Lentini, Helen, New York, N. Y. Dress. 112,659; Dec. 20.
Levine, Alfred D., Newton, Mass. Shoe. 112,608; Dec. 20.
Levine, Michael M., New York, N. Y. Dress. 112,660; Dec. 20.
Lewis, David, New York, N. Y. Stocking tube. 112,661; Dec. 20.
Lewis, Florence N., assignor to Elizabeth Arden, Inc., New York, N. Y. Jar. 112,642; Dec. 20.
Little, Earl W., Indianapolis, Ind. Bird cage. 112,609; Dec. 20.
Magro Globe Clock, Inc. (See Magro, Ralph, assignor.)
Magro, Ralph, Jersey City, N. J., assignor to Magro Globe Clock, Inc. Clock. 112,610; Dec. 20.
Marshall, Doyle B., Marshall, Mich. Clock. 112,611; Dec. 20.
Marshall, Doyle B., Marshall, Mich. Clock. 112,612; Dec. 20.
Megibow, George, New York, N. Y. Textile fabric. 112,643; Dec. 20.
Meyer, John F., assignor to The Exhibit Supply Company, Chicago, Ill. Amusement game cabinet. 112,644; Dec. 20.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Carpet sweeper. 112,613; Dec. 20.
New Delphos Manufacturing Company, The. (See Werner, Louie F., assignor.)

Owens-Illinois Can Company. (See Garten, William, assignor.)
Ox Fibre Brush Company. (See Partridge, Melvin H., assignor.)
Partridge, Melvin H., New Rochelle, assignor to Ox Fibre Brush Company, Inc., New York, N. Y. Hand brush. 112,662; Dec. 20.
Partridge, Melvin H., New Rochelle, assignor to Ox Fibre Brush Company, Inc., New York, N. Y. Hand brush. 112,663; Dec. 20.
Payne, Elise S., New York, N. Y. Sunglasses. 112,614; Dec. 20.
Pearlman, Barney, New York, N. Y. Dress. 112,664; Dec. 20.
Pearson, Marshall A., San Francisco, Calif. Price card holder. 112,615; Dec. 20.
Planeta, Anthony W., Linden, N. J. Basket or like article. 112,645; Dec. 20.
Pratt, Theodore, Glen Cove, and R. Schumacher, Jr., Bronx, N. Y.; said Schumacher assignor to said Pratt. Measuring spoon or similar article. 112,616; Dec. 20.
Robinson, Hilyard R., Washington, D. C., and A. J. C. Knudstrup, Vienna, Va. Street lamp. 112,646; Dec. 20.
Russo, Giuseppe, New York, N. Y. Vehicle body. 112,647; Dec. 20.
Santoro, Pasquale A., New York, N. Y. Dress. 112,665; Dec. 20.
Schauer, Lawrence L., Wyoming, assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Radial drill. 112,666; Dec. 20.
Schumacher, Rudolph, Jr. (See Pratt, T., and Schumacher.)
Schwankhaus, Paul A., assignor to The Wadsworth Watch Case Company, Dayton, Ky. Watchcase. 112,618; Dec. 20.
Schwartzmann, Harry, New York, N. Y. Photo print drier. 112,619; Dec. 20.
Sears, Roebuck and Co. (See Morgan, John R., assignor.)
Shell, Elizabeth, Festus, Mo. Dress. 112,667; Dec. 20.
Shotland, Abraham, New York, N. Y. Coat. 112,668; Dec. 20.
Shultz, Louis, Red Rock, Okla. Grave marker. 112,617; Dec. 20.
Shyvers, Ken C., Chicago, Ill. Coin control device. 112,620; Dec. 20.
Shyvers, Ken C., Chicago, Ill. Combination coin control device and mounting therefor. 112,621; Dec. 20.
Snyder, Hanna W., New York, N. Y. Dress. 112,669; Dec. 20.
Snyder, Hanna W., New York, N. Y. Dress. 112,670; Dec. 20.
Spirn, Marvin L., Brooklyn, assignor to The Eastern Isles Importing Co., New York, N. Y. Textile fabric. 112,671; Dec. 20.
Steiner, Frank G., Chicago, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah. Mount plate for supply rolls. 112,622; Dec. 20.
Steiner Sales Company. (See Steiner, Frank G., assignor.)
Stetson Shoe Company, The. (See Wales, Burton L., assignor.)
Swanson, Ziegner, De Kalb, Ill. Musical instrument similar to an ocarina. 112,623; Dec. 20.
Thorstensen, Harold. (See Yonofsky, H., and Thorstensen.)
Troy, Seymour, New York, N. Y. Shoe or similar article. 112,624; Dec. 20.
Turpan, Mark, West Englewood, N. J. Textile fabric or similar article. 112,648; Dec. 20.
United Cinephone Corporation. (See Devol, George C., Jr., assignor.)
Universal Camera Corporation. (See Cazin, Otto K., assignor.)
Upson Brothers, Inc. (See Velepec, Rudolph J., assignor.)
Velepec, Rudolph J., assignor to Upson Brothers, Inc., Rochester, N. Y. Screw driver. 112,592; Dec. 20.
Wadsworth Watch Case Company, The. (See Schwankhaus, Paul A., assignor.)
Wagman, Aleck E., Dorchester, Mass. Shoe or similar article. 112,625; Dec. 20.
Wales, Burton L., Abington, assignor to The Stetson Shoe Company, Incorporated, Weymouth, Mass. Shoe lacing. 112,626; Dec. 20.
Wareham, James K. (See Goll, F. D., and Wareham.)
Warren Telechron Company. (See Bruce, Leo I., assignor.)
Weil, Lewis P. (See de Angelis, A. C., and Cronsdale, assignors.)
Weisser, Murry, New York, N. Y. Skating dress. 112,672; Dec. 20.
Werner, Louie F., assignor to The New Delphos Manufacturing Company, Delphos, Ohio. Pouring spout cap. 112,649; Dec. 20.
White, Murray, Brookline, Mass. Dress. 112,673; Dec. 20.
Yonofsky, Harry, and H. Thorstensen, Brooklyn, N. Y. Advertising clock. 112,627; Dec. 20.
Zimmer, Myron J., Chicago, Ill. Can opener. 112,628; Dec. 20.
Zohlman, Charles, New York, N. Y. Adjustable vamp sandal. 112,629; Dec. 20.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 20TH DAY OF DECEMBER, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Ace Fastener Corporation. (See Pankonin, William G., assignor.)
Acme Steel Company. (See MacChesney, Chester M., assignor.)
Ace Fastener Corporation. (See Krantz, Edward, assignor.)
Adlake Company, The. (See Hamm, William S., assignor.)
Aetna Ball Bearing Manufacturing Company. (See Stein, Louis H., assignor.)
Aetna Casualty & Surety Co., The, et al. (See Sheppard, John W., assignor.)
Air Devices Corporation. (See Child, Lachlan W., assignor.)
Air Reduction Company. (See Rooke, R. M., and Saacke, assignors.)
Air-Way Electric Appliance Corporation. (See Riebel F., Jr., and Dow, assignors.)
Akers, Earl C., Detroit, Mich. Signal switch. 2,141,075; Dec. 20.
Aktiengesellschaft vorm. Seidel & Naumann. (See Benzing, Hugo, assignor.)
Alaska Freezer Co., The. (See Ruttiman, Alfred, assignor.)
Albers, Henry. (See Euler, H. V., Albers, and Schienk.)
Alexander, David T., Windsor, Ontario, Canada. Rail clamp. 2,141,076; Dec. 20.
Alger, Lee M. (See Dukelow, A., and Alger.)
Allen, Clifford E. (See Wagner, C. P., and Allen.)
Allen, Howard E., Nutley, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Incandescent lamp. 2,140,977; Dec. 20.
Allen, Hugh E., assignor of one-half to A. G. McCaleb, Evanston, Ill. Treatment of meats with proteolytic enzymes. 2,140,781; Dec. 20.
Allis-Chalmers Manufacturing Company. (See Ring, Joseph J., assignor.)
Allison, Kenneth C. (See Dressel, H. M., Allison, and Mastney.)
Aluminum Company of America. (See Meininger, Carl W., assignor.)
Aluminum Company of America. (See Smith, C. N., and Willard, assignors.)
Aluminum Company of America. (See Willard, John R., assignor.)
American Bosch Corporation. (See Kongsted, Ludvig P., assignor.)
American Laundry Machinery Company. (See Gerlach, Frank A., assignor.)
American Laundry Machinery Company. (See Hetzer, Russell A., assignor.)
American Lurgi Corporation. (See Gensecke, Wilhelm, assignor.)
American Metal Company, The. (See Thompson, William K., assignor.)
American Radiator Company. (See Brabbée, C. W., and Goerg, assignors.)
American Radiator Company. (See Cornell, Edward S., Jr., assignor.)
American Rolling Mill Company, The. (See Tytus, J. B., and Millan, assignors.)
American Shoe Machinery and Tool Company. (See Krag, Harry W., assignor.)
American Steel and Wire Company of New Jersey, The. (See Braune, Carl, assignor.)
American Steel and Wire Company of New Jersey, The. (See Haynes, Hugh W., assignor.)
American Steel and Wire Company of New Jersey, The. (See Howe, J. F., and Reed, assignors.)
American Steel and Wire Company of New Jersey, The. (See Johansen, F., and Lloyd, assignors.)
American Steel and Wire Company of New Jersey, The. (See Wahlstrom, Evald O., assignor.)
American Telephone and Telegraph Company. (See Greene, M. L., and Rhoads, assignors.)
American Telephone and Telegraph Company. (See Rhodes, Harold A., assignor.)
American Tobacco Company, The. (See Rundell, Rupert E., assignor.)
American Zinc, Lead & Smelting Company. (See Depew, H. A., and Maidens, assignors.)
Amos, James L. (See Chamberlain, L. C., Jr., Amos, and Williams.)
Amos, James L., assignor to The Dow Chemical Company, Midland, Mich. Preparation of ethyl chloride. 2,140,500; Dec. 20.
Anderson, Leonard. (See Pyman, F. L., Garforth, and Anderson.)
Andersson, Sven W. E., and I. Tornkvist, New York, N. Y., assignors, by mesne assignments, to Servel, Inc., Dover, Del. Thermostatic control valve. 2,140,947; Dec. 20.
Andrus, William L., San Francisco, Calif. Tape record repeater. 2,140,684; Dec. 20.
Apple, Bessie D. (See Cotterman, Frederick W., assignor.)
Armour and Company. (See Ralston, Anderson W., assignor.)
Arness, William B., assignor, by mesne assignments, to Rustless Iron and Steel Corporation, Baltimore, Md. Rustless iron. 2,140,501; Dec. 20.
Arnold, James B., and R. P. Perkins, assignors to The Dow Chemical Company, Midland, Mich. Alkylation of phenols. 2,140,782; Dec. 20.
Arragg, George M., Lawrence, Mass. Oiling device for dead spindles. 2,140,613; Dec. 20.
Art Metal Construction Company. (See Attwood, Charles E., assignor.)
Atlas Powder Company. (See Huyett, Daniel D., assignor.)
Attwood, Charles E., Lakewood, assignor to Art Metal Construction Company, Jamestown, N. Y. Blanking, notching, and scoring sheets. 2,141,121; Dec. 20.
Atwood, Rawson, assignor to Decorated Metal Manufacturing Co. Inc., Brooklyn, N. Y. Spool. 2,140,729; Dec. 20.
Automatic Unit Corporation. (See Dearing, Lester V., assignor.)
Avery, Henry C., West Springfield, Mass., assignor to The Osmo Garden Company, Philadelphia, Pa. Pot or container. 2,140,932; Dec. 20.
Bailey, Edward P., Ottawa, Ill. Indoor clothesline fastener. 2,140,663; Dec. 20.
Bailey Meter Company. (See Dickey, Paul S., assignor.)
Baker, George W., Chester, Ill. Carburetor. 2,140,948; Dec. 20.
Baker, John B. (See Wooler, E., and Baker.)
Baker-Raulang Company, The. (See Stoner, Frank, assignor.)
Baker, Stephen D., Eau Gallie, Fla. Lawn sprinkler. 2,141,077; Dec. 20.
Bamag-Meguim Aktiengesellschaft. (See Corsepius, R., and Protzen, assignors.)
Bancroft, George B. (See Mitchell, Roscoe A., assignor.)
Bancroft, William H., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Making shoe stiffeners. 2,140,614; Dec. 20.
Banker, Oscar H., assignor to New Products Corporation, Chicago, Ill. Change speed transmission. 2,140,502; Dec. 20.
Barber-Colman Company. (See Germonprez, John A., assignor.)
Barr, John L., Chevy Chase, Md. Device for facilitating movement of steering wheels. 2,140,493; Dec. 20.
Bastian-Blessing Company, The. (See Oldhaver, Homer W., assignor.)
Bastian-Blessing Company, The. (See Seitz, Dean C., assignor.)
Batchelor, John C., New York, N. Y. System of communication. 2,140,730; Dec. 20.
Baxter, William C., assignor to Trimble Nursery-Land Furniture, Inc., Rochester, N. Y. Combination bathtub and dressing table. 2,140,685; Dec. 20.
Beck, Arnold J. (See Palmieri, M., and Beck.)
Beckman, William R., Barrington, assignor to N. Shoan, Chicago, Ill. Internal combustion engine. 2,140,503; Dec. 20.
Beco Maschinenfabriek G. m. b. H. (See Lorentz, Valentin, assignor.)
Beeby, Frank F., Oak Park, Ill., assignor to Cement Gun Company. Swimming pool. 2,140,978; Dec. 20.
Beecher, Milton F. (See Quick, C. H., and Beecher.)
Bell Telephone Laboratories, Incorporated. (See Black, Harold S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Brown, Wolfe W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Dixon, J. T., and Kreer, assignors.)
Bell Telephone Laboratories, Incorporated. (See Huber, George H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Kreer, John G., Jr., assignor.)
Bell Telephone Laboratories, Incorporated. (See Rockwood, George H., Jr., assignor.)
Bell Telephone Laboratories, Incorporated. (See Welch, Paul V., assignor.)
Bellanca, Frank M., New York, N. Y., assignor to Miller-Bellanca Airplanes Limited, Montreal, Quebec, Canada. Airplane construction. 2,140,783; Dec. 20.
Bender, Nathaniel A. (See Sandone, Joseph M., assignor.)
Bendix Aviation Corporation. (See Bendix, Vincent, assignor.)

Bendix Aviation Corporation. (See Bohli, Jakob, assignor.)
Bendix Aviation Corporation. (See Carroll, Eugene G., assignor.)
Bendix Aviation Corporation. (See Chandler, Milton E., assignor.)
Bendix Aviation Corporation. (See La Brie, L. E., and Heidloff, assignors.)
Bendix Aviation Corporation. (See Rylsky, Gregory V., assignor.)
Bendix Aviation Corporation. (See Sanford, Roy S., assignor.)
Bendix Aviation Corporation. (See Smith, Marshall A., Jr., assignor.)
Bendix Brake Company. (See La Brie, Ludger E., assignor.)
Bendix Products Corporation. (See Goepfrich, Rudolph A., assignor.)
Bendix Products Corporation. (See Kliesrath, Victor W., assignor.)
Bendix Products Corporation. (See La Brie, Ludger E., assignor.)
Bendix Products Corporation. (See McWade, R., Jr., and Lyndon, assignors.)
Bendix Products Corporation. (See Roberts, Glyn P., assignor.)
Bendix Products Corporation. (See Sanford, Roy S., assignor.)
Bendix Products Corporation. (See Trisler, Milton A., assignor.)
Bendix Products Corporation. (See White, John W., assignor.)
Bendix, Vincent, assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,140,731; Dec. 20.
Bennett, Claude C., assignor to A. E. Feragen, Inc., Seattle, Wash. Frame straightener. 2,140,686; Dec. 20.
Benson, Harry D. (See Paxton, G. C., Benson, and Johnson.)
Benzing, Hugo, assignor to Aktiengesellschaft vorm. Seidel & Naumann, Dresden, Germany. Noise silencing type bar actuating arrangement for typewriters. 2,141,028; Dec. 20.
Berhenke, Luther F. (See Britton, E. C., Coleman, and Berhenke.)
Bernheimer, Norbert. (See Röhm, R., and Neidlein, assignors.)
Berres, Carl. (See Müller, W., and Berres.)
Berriman, Edward W., Tampa, Fla. Cigar. 2,141,078; Dec. 20.
Berteie, Ludwig, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Condenser lens system. 2,140,979; Dec. 20.
Bethlehem Steel Company. (See Long, Edward R., assignor.)
Bethlehem Steel Company. (See Mahood, George P., assignor.)
Bettison, David C., Omaha, Nebr. Valve-actuating means. 2,140,826; Dec. 20.
Bickel, Clifford A., assignor to The Monarch Machine Tool Co., Sidney, Ohio. Apparatus for turning complex workpieces. 2,140,949; Dec. 20.
Biddle, William M., Collingswood, N. J. Making last models for shoes. 2,140,505; Dec. 20.
Biedermann, William F., Providence, R. I., assignor to Federal Chain Company. Chain. 2,140,491; Dec. 20.
Bigelow-Sanford Carpet Co. (See Darienzo, Frank, assignor.)
Bilhuber, E., Inc. (See Euler, H. V., Albers, and Schlenk, assignors.)
Biszantz, Fred, assignor to The Galion Metallic Vault Company, Galion, Ohio. Tire carrier and body construction. 2,140,615; Dec. 20.
Black, Harold S., Elmhurst, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Distortion correction in wave transmission. 2,140,492; Dec. 20.
Blackley, James L., assignor to Duplex Printing Press Company, Battle Creek, Mich. Inking mechanism for printing rolls. 2,140,950; Dec. 20.
Blair, Charles M. (See McNamee, R. W., and Blair.)
Blanchard, Loring W., Jr. (See Malm, C. J., and Blanchard.)
Blocker, Robert H., San Francisco, Calif. Steam engine. 2,140,571; Dec. 20.
Bloom, Herman A. (See Wetzel, Guy N., assignor.)
Blue, Robert D. (See Chamberlain, L. C., Jr., Williams, and Blue.)
Boag, Charles W., assignor to The Heil Co., Milwaukee, Wis. Separating system. 2,140,827; Dec. 20.
Boden, Ernest G., assignor to The Timken Roller Bearing Company, Canton, Ohio. Cushioned roller bearing. 2,141,122; Dec. 20.
Bohli, Jacob, Solothurn, Switzerland, assignor to Bendix Aviation Corporation, South Bend, Ind. Automatic ignition timer. 2,141,029; Dec. 20.
Bolich, Charles M., Allentown, Pa. Storage battery filling device. 2,141,079; Dec. 20.
Bonat, Harry, New York, N. Y. Hair waving apparatus. 2,140,980; Dec. 20.
Bonson, Edwin W., London, England. Electric plug. 2,140,616; Dec. 20.
Booth, Harry T. (See Clarke, H. B., and Booth.)
Boots' Pure Drug Company Limited. (See Pyman, F. L., Garforth, and Anderson, assignors.)
Booty, Philip C. P. and R. G., Chicago, Ill. Impregnating wood and the like. 2,140,981; Dec. 20.
Booty, Raymond G. (See Booty, Philip C. P. and R. G.)
Borg-Warner Corporation. (See Nutt, Harold, assignor.)
Bortz, Alfred W., Echo, Minn. Battery filler. 2,140,951; Dec. 20.
Boustead, Mary E., Minneapolis, Minn. Humidifier. 2,140,664; Dec. 20.
Boyce, William S., Chicago, Ill. Rail fastening. 2,140,891; Dec. 20.
Brabbée, Charles W., Tuckahoe, and B. Goerg, Bronxville, assignors to American Radiator Company, New York, N. Y. Boiler. 2,141,123; Dec. 20.
Bradley, Eric H., Spring Lake, Mich., and W. H. D. Brouse, Toronto, Ontario, Canada, assignors to John Wood Manufacturing Company, Inc., Conshohocken, Pa. Housing for liquid dispensing apparatus. 2,141,124; Dec. 20.
Brand, G. Douglas. (See Ryan, Maurice L., assignor.)
Branune, Carl, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Apparatus for automatically loading and unloading aerial conveyers. 2,141,125; Dec. 20.
British Electrical & Allied Industries Research Association, The. (See Whitney, W. B., and Wedmore, assignors.)
Brittain, William, Darra, Queensland, Australia. Pipe testing machine. 2,140,892; Dec. 20.
Britton, Edgar C., G. H. Coleman, and L. F. Berhenke, assignors to The Dow Chemical Company, Midland, Mich. Dielectric compositions. 2,140,784; Dec. 20.
Brooks, Harry E. (See Reeves, P. B., and Brooks.)
Brooks, John C., Paterson, N. J., assignor to Collins & Aikman Corporation, Philadelphia, Pa. Automatic loom. 2,140,893; Dec. 20.
Brooke, Lloyd A., Washington, D. C. Labyrinth protective device. 2,141,102; Dec. 20.
Brouse, William H. D. (See Bradley, E. H., and Brouse.)
Brown, Charley L., assignor of one-half to C. W. McQueen, Rushville, Mo. Tractor drive take-off. 2,140,687; Dec. 20.
Brown, Wolfe W., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Terminal strip. 2,140,894; Dec. 20.
Brownlee, Harold J., Cedar Rapids, Iowa, assignor to The Quaker Oats Company, Chicago, Ill. Producing furfural. 2,140,572; Dec. 20.
Bruce, John M., New York, N. Y. Method and apparatus for cooling brew. 2,140,895; Dec. 20.
Bruce, John M., New York, N. Y. Liquid cooling system. 2,140,896; Dec. 20.
Brunk, Harold J., and M. Dickason, Chicago, Ill., assignor to The C. F. Pease Company. Manufacture and development of light-sensitive coated paper. 2,141,103; Dec. 20.
Buccicone, Dario, Gary, Ind. Feed regulating device. 2,141,104; Dec. 20.
Buckeye Traction Ditcher Company, The. (See Van Voorhis, William G., assignor.)
Budd, Edward G., Manufacturing Company, The. (See Fernberg, Eric B., assignor.)
Budd Wheel Company. (See Eksergian, Carolus L., assignor.)
Buggie, H. H., & Company. (See Cook, Everett J., assignor.)
Buffalo Brake Beam Company. (See Busch, Charles R., assignor.)
Burgess Battery Company. (See Weiss, Howard F., assignor.)
Burke, James P., Knoxville, Tenn. Nonrefillable closure. 2,140,732; Dec. 20.
Burton, Robert C. (See Northrop, D. E., and Burton.)
Busch, Charles R., Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Brake beam support or the like. 2,140,982; Dec. 20.
Butterworth, Willard R., Jr. (See Leonard, J. W., Butterworth, and Wellford.)
Calkins, Chauncey L., assignor to L. A. Ederer, Chicago, Ill. Electrical impulse generator. 2,140,573; Dec. 20.
Canning, Charles V., assignor to Sweets Laboratories, Inc., New York, N. Y. Stencil sheet. 2,140,506; Dec. 20.
Carbide and Carbon Chemicals Corporation. (See McNamee, R. W., and Blair, assignors.)
Carbondale Machine Corporation. (See Hirsch, Sylvan R., assignor.)
Carter, Lionel A., Webster Groves, Mo. Lubricating device. 2,140,983; Dec. 20.
Carew, Herman, Easton, Pa., assignor, by mesne assignments, to Dixie-Vortex Company, Chicago, Ill. Paper cup making machine. 2,140,665; Dec. 20.
Carle, Fred, Newark, N. J. Combination ladder bracket. 2,140,828; Dec. 20.
Carroll, Eugene G., Los Angeles, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,140,733; Dec. 20.
Casco Products Corporation. (See Johnson, Arthur A., assignor.)
Castady, Harry, Chicago, Ill. Adjustable scaffold. 2,140,617; Dec. 20.
Celanese Corporation of America. (See McGill, A., and Taylor, assignors.)
Celanese Corporation of America. (See Taylor, W. I., and Gibbins, assignors.)

Cement Gun Company. (See Beeby, Frank F., assignor.)
Cerf, Cedric S., Holt, Calif. Desalting mineral oil. 2,140,574; Dec. 20.
Challenor, William A. P., Ardrossan, and G. A. Scott, West Kilbridge, Scotland, assignors to Imperial Chemical Industries Limited. Manufacture of explosives. 2,140,897; Dec. 20.
Chamberlain, Leonard C., Jr., J. L. Williams, and R. D. Blue, assignors to The Dow Chemical Company, Midland, Mich. Production of ethyl chloride. 2,140,507; Dec. 20.
Chamberlain, Leonard C., Jr., J. L. Amos, and J. L. Williams, assignors to The Dow Chemical Company, Midland, Mich. Production of ethyl chloride. 2,140,508; Dec. 20.
Chandler, Milton E., Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor choke valve. 2,140,734; Dec. 20.
Chase-Shawmut Company, The. (See Taylor, Elmer H., assignor.)
Checker Cab Manufacturing Corportion. (See Tuttle, John H., assignor.)
Child, Lachlan W., South Bend, Ind., assignor, by mesne assignments, to Air Devices Corporation, Chicago, Ill. Air conditioning. 2,140,829; Dec. 20.
Chmielewski, Theodore, and N. A. Monfort, Brooklyn, N. Y. Display frame. 2,140,666; Dec. 20.
Christiansen, Walter G., Glen Ridge, N. J., and E. Moness, assignors to E. R. Squibb & Sons, New York, N. Y. Mercurated 3-nitro 4-alkyl phenols. 2,140,509; Dec. 20.
Christmann, Friedrich. (See Pier, M., and Christmann.)
Cincinnati Grinders Incorporated. (See Haas, F. S., and Trible, assignors.)
Clark, Isaac N., Tulsa, Okla. Automatic up and down bridge. 2,141,030; Dec. 20.
Clarke, Henry B., Grosse Pointe, Mich., and H. T. Booth, Glencoe, assignors, by mesne assignments, to H. R. Gross, Chicago, Ill. Viscosity regulator. 2,140,735; Dec. 20.
Clarkson, John L., Nashville, Ill. Loading machine. 2,141,147; Dec. 20.
Clarkson, John L., Nashville, Ill. Loading machine. 2,141,148; Dec. 20.
Clayton, Weaver R. (See Haynes, C. R., Clayton, and Townend.)
Clegg, Isaac N., Jr., Carthage, N. C. Erasing shield for typewriters. 2,140,510; Dec. 20.
Clemmons, Ralph W., Chicago, Ill., assignor to R. B. Hayward Company. Reel. 2,140,494; Dec. 20.
Cleveland Pneumatic Tool Company, The. (See Van Sittert, Paul, assignor.)
Clifford, Patrick J., assignor to C. B. Lewis, Washington, D. C. Inhaler. 2,140,952; Dec. 20.
Cline, McGarvey, Jacksonville, Fla. Treating crude oleoresins. 2,140,511; Dec. 20.
Cline, McGarvey, Jacksonville, Fla. Treating oleoresinous material. 2,140,512; Dec. 20.
Cline, McGarvey, Jacksonville, Fla. Treating oleo resins and products resulting therefrom. 2,140,513; Dec. 20.
Cline, McGarvey, Jacksonville, Fla. Treating pine oleoresins and products resulting therefrom. 2,140,514; Dec. 20.
Coffey, Samuel, Manchester, and J. E. Schofield, Huddersfield, England, assignors to Imperial Chemical Industries Limited. Bis (2,3-Hydroxy-naphthoyl-m-aminophenyl) urea. 2,140,495; Dec. 20.
Cohn, Alexander B., New York, N. Y. Interchangeable combination carrier and suitcase. 2,140,688; Dec. 20.
Cohn & Rosenberger, Inc. (See Placco, Oscar, assignor.)
Cole, Paul M., Fort Lee, N. J. Computing scale. 2,140,984; Dec. 20.
Coleman, Gerald H. (See Britton, E. C., Coleman, and Berhenke.)
Coleman, John S., Birmingham, Ala. Saw construction. 2,140,496; Dec. 20.
Collens, William S., N. D. Wilensky, and S. A. Kroll, Brooklyn, assignors to U. M. A. Inc., New York, N. Y. Method of and apparatus for producing intermittent venous occlusion. 2,140,898; Dec. 20.
Collins & Aikman Corporation. (See Brooks, John C., assignor.)
Collins & Aikman Corporation. (See Kaufman, Frank M., assignor.)
Collins, Howard M. (See Slayter, G., and Collins.)
Collins, Howard W., assignor, by mesne assignments, to The Ingleside Company, Newark, Ohio. Insulated wall. 2,140,689; Dec. 20.
Colonial Brooch Company. (See Hart, William A., assignor.)
Colt's Patent Fire Arms Manufacturing Co. (See Moore, Frederick T., assignor.)
Colt's Patent Fire Arms Manufacturing Company. (See Swartz, William L., assignor.)
Comas Cigarette Machine Company. (See Hackler, Bertram M., assignor.)
Compagnie Lorraine de Charbons pour l'Electricité. (See Parisot, Jean, assignor.)
Conant, Arthur P., Fort Thomas, assignor to Decometal Incorporated, Dayton, Ky. Compact. 2,141,031; Dec. 20.
Cone, Carroll, near Toledo, assignor to Surface Combustion Corporation, Toledo, Ohio. Firing apparatus for furnaces. 2,140,785; Dec. 20.
Cone, Carroll, near Toledo, assignor to Surface Combustion Corporation, Toledo, Ohio. Glass annealing lehr. 2,140,786; Dec. 20.
Conklin, Oliver E., Parlin, N. J., assignor to du Pont Film Manufacturing Corp., Inc., New York, N. Y. Holder for sensitized elements. 2,140,515; Dec. 20.
Conley, Arthur W., Shaker Heights, assignor to The Corozone Air Conditioning Corporation, Cleveland, Ohio. Air conditioning device. 2,140,618; Dec. 20.
Connecticut Hard Rubber Company. (See Vallé, Paul B., assignor.)
Cook, Everett J., assignor to H. H. Buggie & Company, Toledo, Ohio. Engraving apparatus. 2,140,985; Dec. 20.
Copper Protected Roofing Company. (See Crump, James E., assignor.)
Cordell, Joseph C., Mount Lebanon, Pa. Clothesline support. 2,141,032; Dec. 20.
Cornell, Edward S., Jr., Larchmont, assignor to American Radiator Company, New York, N. Y. Conditioned air supplying and air withdrawing thermal system. 2,140,787; Dec. 20.
Corozone Air Conditioning Corporation. (See Conley, Arthur W., assignor.)
Corseplus, Rudolf, Berlin-Charlottenburg, and H. Protzen, Berlin-Lichterfelde, assignor to Bamag-Meguin Aktiengesellschaft, Berlin, Germany. Apparatus for controlling power operated valves. 2,140,667; Dec. 20.
Cotterman, Frederick W., assignor of one-half to B. D. Apple, Dayton, Ohio. Automatic planetary automotive transmission. 2,140,690; Dec. 20.
Cowan, Harry, Boston, Mass. Electrical steam generator. 2,140,516; Dec. 20.
Cowgill, William W., Fairfield, Conn., assignor to Sardik Incorporated, Jersey City, N. J. Treatment of food materials. 2,140,788; Dec. 20.
Cowles Detergent Company, The. (See Folger, Roy C., assignor.)
Crane Co. (See Dopp, Carl A., assignor.)
Crosman, J. Heron, III, et al. (See Quick, Raymond B., assignor.)
Crowe, Thomas B. (See Mills, L. D., and Crowe.)
Crowley, John C., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Air chuck. 2,141,033; Dec. 20.
Crump, James E., assignor to Copper Protected Roofing Company, Inc., Orlando, Fla. Shingle strip and roof construction. 2,140,691; Dec. 20.
Cummins, Thomas K., assignor to Northern Malleable Iron Company, St. Paul, Minn. Earth anchor. 2,141,034; Dec. 20.
Curtis Companies Incorporated. (See Madsen, Sern, assignor.)
Cutler-Hammer, Inc. (See Hodgson, Howard E., assignor.)
Cutler-Hammer, Inc. (See Rapley, Harold H., assignor.)
Dillenbach, Walter, Berlin-Charlottenburg, assignor to Julius Pintsch Kommanditgesellschaft, Berlin, Germany. Ultra-short-wave tube. 2,141,080; Dec. 20.
Daly Bros. Shoe Co. (See Daly, Charles L., assignor.)
Daly, Charles Leo, Belmont, assignor to Daly Bros. Shoe Co., Inc., Boston, Mass. Manufacturing molded rubber articles. 2,140,692; Dec. 20.
Daniels, Joseph, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Coking retort oven heating wall of brickwork. 2,141,035; Dec. 20.
Daniels, Joseph, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Regenerative heater and the like. 2,141,036; Dec. 20.
Darienzo, Frank, Amsterdam, N. Y., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Axminster loom rope stop motion. 2,140,789; Dec. 20.
Davenport, John J., assignor to J. I. Quaid, College Point, Long Island, N. Y. Quenching machine. 2,141,081; Dec. 20.
David, Edward, Carmel, and S. B. Szody, Seaside, Calif. Fish cutting machine. 2,140,575; Dec. 20.
Davidson, George W., London, England. Gravitation concentration of mineral values, particularly coal. 2,140,899; Dec. 20.
Davis, Ira R., Buffalo, N. Y. Power transmission. 2,140,790; Dec. 20.
Dawson, Horace W., Fort Lewis, Wash. Vaporizing nozzle. 2,140,517; Dec. 20.
Dearing, Lester V., assignor to Automatic Unit Corporation, Milwaukee, Wis. Printing press. 2,140,986; Dec. 20.
Decometal Incorporated. (See Conant, Arthur P., assignor.)
Decorated Metal Manufacturing Co. Inc. (See Atwood, Rawson, assignor.)
De Laval Separator Company, The. (See Strezynski, George J., assignor.)
De Luxe Products Corporation. (See Warner, George C., assignor.)
Demontvignier, Marcel, assignor to Hewittic Societe Anonyme, Suresnes, France. Arrangement of two or more anodes for rectifiers provided with control electrodes. 2,140,736; Dec. 20.
Den Besten, Gerrit, Corsica, S. Dak., assignor of one-fourth to Liverance & Van Antwerp, Grand Rapids, Mich. Tractor stop hitch with brake. 2,140,504; Dec. 20.

Dennis, Clark M., Montclair, N. J. Automatic regulating device. 2,140,933; Dec. 20.

Depew, Harlan A., and W. T. Maidens, Columbus, Ohio, assignors to American Zinc, Lead & Smelting Company, St. Louis, Mo. Making zinc sulphide. 2,140,668; Dec. 20.

Desselle, Peter J., Detroit, Mich. Cigarette case. 2,140,830; Dec. 20.

Deters, John L., Cincinnati, Ohio, assignor to The Formica Insulation Company. Bobbin. 2,140,497; Dec. 20.

Deubel, Carl G., Shiremanstown, Pa., assignor to Progressive Service Company, St. Louis, Mo. Ornamenting die. 2,140,791; Dec. 20.

De Vigier, William, London, England. Wall form clamp. 2,140,669; Dec. 20.

De Vry, Herman A., Inc. (See Fitz, Charles L., assignor.)

Dickason, Morris. (See Brunk, H. J., and Dickason.)

Dickens, Richard G., Elmira Heights, assignor to The Hilliard Corporation, Elmira, N. Y. Clutch. 2,140,737; Dec. 20.

Dickey, Joseph B. (See McNally, J. G., and Dickey.)

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Azo compounds and coloring therewith. 2,140,987; Dec. 20.

Dickey, Paul S., Cleveland, Ohio, assignor to Bailey Meter Company. Measuring and controlling systems. 2,141,082; Dec. 20.

Dill Manufacturing Company, The. (See Crowley, John C., assignor.)

Dixie-Vortex Company. (See Carew, Herman, assignor.)

Dixon, John T., New York, N. Y., and J. G. Kreer, Jr., Bloomfield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Distortion correction in wave transmission. 2,140,900; Dec. 20.

Dodd, Arthur E., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote indication apparatus. 2,141,060; Dec. 20.

Dodson, Richard J., Chicago, Ill. Combined pocketknife and pencil or pen. 2,141,061; Dec. 20.

Donahue, A. J., Corporation, The. (See Jacobs, Joseph, assignor.)

Donbeck, Larry D., Gary, Ind. Producing steel stamps. 2,140,670; Dec. 20.

Doolittle, Arthur K., South Charleston, W. Va., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Producing vinyl resin surface coatings. 2,140,518; Dec. 20.

Doolittle, Arthur K., South Charleston, W. Va., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Producing vinyl resin surface coatings. 2,141,126; Dec. 20.

Dopp, Carl A., assignor to Crane Co., Chicago, Ill. Valve indicator. 2,140,934; Dec. 20.

Dorr Company, The. (See Gibbs, Robert C., assignor.)

Dow Chemical Company, The. (See Amos, James L., assignor.)

Dow Chemical Company, The. (See Arnold, J. B., and Perkins, assignors.)

Dow Chemical Company, The. (See Britton, E. C., Coleman, and Berhenke, assignors.)

Dow Chemical Company, The. (See Chamberlain, L. C., Amos, and Williams, assignors.)

Dow Chemical Company, The. (See Chamberlain, L. C., Jr., Williams, and Blue, assignors.)

Dow Chemical Company, The. (See Pierce, James E., assignor.)

Dow Chemical Company, The. (See Reilly, John H., assignor.)

Dow, Dewey M. (See Riebel, F., Jr., and Dow.)

Dressel, Henry M., Chicago, K. C. Allison, Arlington Heights, and E. J. Mastney, Berwyn, assignors to Oak Manufacturing Company, Chicago, Ill. Vibrator. 2,140,792; Dec. 20.

Dreyer, John F., assignor to The Formica Insulation Company, Cincinnati, Ohio. Flotation coating process. 2,140,498; Dec. 20.

Dri-Wear, Inc. (See Muller, Oscar F., assignor.)

Drolet, Leon, Lowell, Mass. Double action thread catcher. 2,141,062; Dec. 20.

Dugan, Frank C., Refugio, Tex. Separator. 2,140,953; Dec. 20.

Dukelow, Arthur, Denver, and L. M. Alger, Golden, Colo. Power shovel. 2,140,988; Dec. 20.

Dunkelow, Henry J., assignor to Twin Disc Clutch Company, Racine, Wis. Clutch. 2,140,619; Dec. 20.

Duplex Printing Press Company. (See Blackley, James L., assignor.)

Du Pont, E. I., de Nemours & Company. (See Elston, Arthur A., assignor.)

Du Pont, E. I., de Nemours & Company. (See Holt, L. C., and Etzel, assignors.)

Du Pont, E. I., de Nemours & Company. (See Hucks, Robert T., assignor.)

Du Pont, E. I., de Nemours & Company. (See Nieuwland, J. A., Hennion, and Killian, assignors.)

Du Pont Film Manufacturing Corp. (See Conklin, Oliver E., assignor.)

Du Pont Film Manufacturing Corporation. (See Ginman, Alvar T., assignor.)

Du Pont Film Manufacturing Corporation. (See Middleton, E. B., and Jennings, assignors.)

Durant Manufacturing Company. (See Hennessy, Mark M., assignor.)

Duvall, Myrtle M. B. (See Duvall, Stanley A., assignor.)

Duvall, Stanley A., assignor to M. M. B. Duvall, Edinburg, Tex. Connecting plug and cord. 2,140,490; Dec. 20.

Dysart, William L., and R. J. Newlin, Louisville, Ky. Target apparatus. 2,140,671; Dec. 20.

Eagle Signal Corporation. (See Schulenburg, Edward J., assignor.)

Edeleanu Gesellschaft, m. b. H. (See Terres, E., Moos, and Saegebarth, assignors.)

Ederer, Lothar A. (See Calkins, Chauncey L., assignor.)

Eastman Kodak Company. (See Dickey, Joseph B., assignor.)

Eastman Kodak Company. (See Malm, C. J., and Blanchard, assignors.)

Eastman Kodak Company. (See McNally, J. G., and Dickey, assignors.)

Eastman Kodak Company. (See Nadeau, Gale F., assignor.)

Eastman Kodak Company. (See Northrop, D. E., and Burton, assignors.)

Ebert, Fritz, Oberndorf-on-the-Neckar, Wurtemberg, assignor to Mauser-Werke A. G., Oberndorf-on-the-Neckar, Germany. Machine for producing combined cross and covering seams. 2,140,693; Dec. 20.

Ecklund, Rudolph T., and P. C. Neilsen, Chicago, Ill. Abrading device. 2,140,831; Dec. 20.

Eclipse Aviation Corporation. (See Nardone, Romeo M., assignor.)

Eisenbrand, Josef, and M. Sienz, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Molecular compounds and preparing them. 2,140,989; Dec. 20.

Ekserglan, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Symmetrical shoe brake. 2,141,127; Dec. 20.

Electric Household Utilities Corporation. (See Gerhardt, Andrew H., assignor.)

Electric Household Utilities Corporation. (See Molinare, Anthony, W., assignor.)

Electric Household Utilities Corporation. (See Whyte, John, assignor.)

Electric Switch Corporation. (See Staley, Joseph H., assignor.)

Elevator Supplies Company. (See Zarafu, Herman, assignor.)

Eller, John A., Astoria, and H. L. Epp, Beechurst, N. Y. Diaper. 2,141,105; Dec. 20.

Elston, Arthur A., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chlorohydrocarbon emulsion. 2,140,519; Dec. 20.

Emery, Rolla R., Kansas City, Mo. Concealed gun carrier for motor vehicles. 2,140,870; Dec. 20.

Emrick, Frank C., Kalamazoo, Mich. Fifth wheel. 2,140,990; Dec. 20.

Emulsol Corporation, The. (See Epstein, A. K., (Reynolds, assignor), and Hartley.)

Epp, Hilton L. (See Eller, J. A., and Epp.)

Epstein, Albert K., H. L. Reynolds, and M. L. Hartley; said Hartley assignor to said Epstein and said Reynolds assignor to The Emulsol Corporation, Chicago, Ill. Treatment of soya bean oil. 2,140,793; Dec. 20.

Epstein, Albert K., and M. L. Hartley, Chicago, Ill.; said Hartley assignor to said Epstein. Treatment of soya bean oil. 2,140,794; Dec. 20.

Etzel, Gastaõ. (See Holt, L. C., and Etzel.)

Etzenhouser, Merrill A., and W. D. Hawn, Independence, Mo.; said Hawn assignor to said Etzenhouser. Cutting device. 2,140,901; Dec. 20.

Euler, Arthur E., Oakland, Calif. Fitover frame for glasses. 2,141,063; Dec. 20.

Euler, Hans V., H. Albers, and F. Schlenk, Stockholm, Sweden, assignors to E. Bilhuber, Inc., Jersey City, N. J. Nonenzymatic activator and making same. 2,141,128; Dec. 20.

Evans, Theodore, Martinez, assignor to Shell Development Company, San Francisco, Calif. Dehydration of organic oxy compounds. 2,140,694; Dec. 20.

Fader, James W., Dorchester, Mass. Manifolding mechanism for typewriters. 2,141,064; Dec. 20.

Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. High speed brake equipment. 2,140,620; Dec. 20.

Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Railway vehicle acceleration control apparatus. 2,140,642; Dec. 20.

Farmer, Clyde C., Pittsburgh, assignor to the Westinghouse Air Brake Company, Wilmerding, Pa. Piston lubricating device. 2,141,149; Dec. 20.

Farnsworth, Philo T., assignor to Farnsworth Television Incorporated, San Francisco, Calif. Charge storage dissector. 2,140,695; Dec. 20.

Farnsworth, Philo T., assignor to Farnsworth Television Incorporated, San Francisco, Calif. Controlling electron multipliers. 2,140,832; Dec. 20.

Farnsworth Television Incorporated. (See Farnsworth, Philo T., assignor.)

Federal Chain Company. (See Biedermann, William F., assignor.)

Federal Glass Company, The. (See Nicholson, Albert H., assignor.)

Feragen, A. E., Inc. (See Bennett, Claude C., assignor.)

Ferguson, William F., Yonkers, N. Y. Fastening device for badges. 2,140,795; Dec. 20.

Fernberg, Eric B., Edgware, England, assignor to The Edward G. Budd Manufacturing Company, Philadelphia, Pa. Roller leveler machine. 2,141,151; Dec. 20.

Ferrari, André, Saint-Victor-sur-Rhins, France. Producing an elastic fabric. 2,140,696; Dec. 20.

Filshie Lead Head Nail Company. (See Kaplan, Robert, assignor.)

Filtration Equipment Corporation. (See Laughlin, William C., assignor.)

Findlater, Stevenson, McKeesport, Pa., assignor to National Tube Company. Guide device. 2,141,130; Dec. 20.

Findlater, Stevenson, McKeesport, Pa., assignor to National Tube Company. Apparatus for making metallic tubular workpieces. 2,141,129; Dec. 20.

Findlater, Stevenson, McKeesport, Pa., assignor to National Tube Company. Guide device. 2,141,131; Dec. 20.

Finishing Systems Incorporated. (See Robertson, Benjamin G., assignor.)

Fischer, Emanuel M., New York, N. Y. Aproned absorbent bath mat. 2,140,902; Dec. 20.

Fisher, Arthur W., Forest Hills, and W. B. Wells, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 2,140,576; Dec. 20.

Fisk, Merton L., Somerville, Mass. Spraying nozzle. 2,140,903; Dec. 20.

Fitch, Ellery R., Irwin, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Piston lubricator. 2,141,150; Dec. 20.

Fitz, Charles L., assignor to H. A. De Vry, Inc., Chicago, Ill. Film gate and framing mechanism. 2,140,738; Dec. 20.

Floyd-Wells Company, The. (See Schneider, F. H., and Sanonara, assignors.)

Flynn, Michael F., Salem, Mass. Leather dyeing machine. 2,140,833; Dec. 20.

Folgar, Roy C., Cleveland Heights, Ohio, assignor to The Cowles Detergent Company. Treating siliceous materials. 2,141,132; Dec. 20.

Food Machinery Corporation. (See Paxton, G. C., Benson, and Johnson, assignors.)

Foresman, Robert A., Prospect Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Fluid heater. 2,140,520; Dec. 20.

Foresman, Robert A., Prospect Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Heat generating apparatus. 2,140,521; Dec. 20.

Foresman, Robert A., Prospect Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Combustion apparatus. 2,140,522; Dec. 20.

Foresman, Robert A., Prospect Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh Pa. Combustion apparatus. 2,140,523; Dec. 20.

Foresman, Robert A., Prospect Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Fluid heating apparatus. 2,140,524; Dec. 20.

Formica Insulation Company, The. (See Dryer, John F., assignor.)

Formica Insulation Company, The. (See Deters, John L., assignor.)

Foster Wheeler Corporation. (See Frisch, Martin, assignor.)

Fox, Charles A., assignor to James R. Kearney Corporation, St. Louis, Mo. Connecting device. 2,140,904; Dec. 20.

Frank, Herbert, Kassel-Wilhelmshohe, Germany, assignor to The Superheater Company, New York, N. Y. Tubular unit for water walls or the like. 2,140,739; Dec. 20.

Franklin, David, Rensselaer, N. Y. Projection timing device. 2,141,037; Dec. 20.

Franks, Russell, Niagara Falls, N. Y., assignor to Union Carbide and Carbon Research Laboratories, Inc. Turbine blade. 2,140,905; Dec. 20.

Frazee, Doniphan H., assignor to Pan American Engineering Corporation, Ltd., Berkeley, Calif. Regulating mechanism. 2,140,954; Dec. 20.

Freeman, Benjamin W., Cincinnati, Ohio. Ornamenting machine. 2,140,697; Dec. 20.

French, George F., assignor to Thomas French & Sons Limited, Manchester, England. Triple warp ladder web. 2,141,038; Dec. 20.

French, Thomas, & Sons Limited. (See French, George F., assignor.)

Frisch, Martin, assignor to Foster Wheeler Corporation, New York, N. Y. Fuel combustion system. 2,140,991; Dec. 20.

Froland, Olav, assignor to James R. Kearney Corporation, St. Louis, Mo. Fuse switch. 2,140,906; Dec. 20.

Froland, Olav, assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical switch. 2,140,907; Dec. 20.

Gallon Metallic Vault Company, The. (See Biszantz, Fred, assignor.)

Garforth, Bertram. (See Pyman, F. L., Garforth, and Anderson.)

Gaynor, Arthur C., Stratford, Conn. Audible electric signal. 2,140,577; Dec. 20.

Gazette, Marshall E., Boston, Mass. Printing apparatus. 2,140,834; Dec. 20.

Gebauer-Fuelnegg, Erich, Evanston, Ill., and E. W. Moffett, Gary, Ind., assignors, by mesne assignments, to Marbo Patents Inc. Coated fibrous sheet and web material and making same. 2,140,835; Dec. 20.

General Aniline Works, Inc. (See Honold, Ernst, assignor.)

General Aniline Works, Inc. (See Müller, W., and Berres, assignors.)

General Aniline Works, Inc. (See Raeck, M., and Keller, assignors.)

General Aniline Works, Inc. (See Schirm, Erik, assignor.)

General Motors Corporation. (See Mirus-Leuschner, Kurt, assignor.)

General Motors Corporation. (See Smith, Harry F., assignor.)

General Motors Corporation. (See Tarleton, Frederic L., assignor.)

General Time Instruments Corporation. (See Schlenker, Max, assignor.)

Gensecke, Wilhelm, Gonzenheim, near Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Preventing incrustation on heating surfaces during the concentration of sulphite-cellulose waste liquor. 2,140,992; Dec. 20.

Gerhardt, Andrew H., assignor to Electric Household Utilities Corporation, Chicago, Ill. Ironing machine cabinet. 2,140,836; Dec. 20.

Gerlach, Frank A., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Ohio. Cylinder door construction. 2,140,621; Dec. 20.

Germonprez, John A., Detroit, Mich., assignor, by mesne assignments, to Barber-Colman Company. Grille and making the same. 2,140,993; Dec. 20.

Gibbins, Leslie B. (See Taylor, W. I., and Gibbins.)

Gibbs, Robert C., Banstead, England, assignor to The Dorr Company, Inc., New York, N. Y. Sedimentation. 2,141,133; Dec. 20.

Gillis, Charles C., assignor to Gillis Counter Co. Incorporated, Lynn, Mass. Machine for operating on counters. 2,141,134; Dec. 20.

Gillis Counter Co. Incorporated. (See Gillis, Charles C. assignor.)

Ginman, Alvar T., Parlin, N. J., assignor to Du Pont Film Manufacturing Corporation, New York, N. Y. Inscribing photosensitive elements. 2,140,525; Dec. 20.

Giuntini, Bruno, Alger, France. Measuring apparatus for boot and shoe makers. 2,140,740; Dec. 20.

Goehring, William E., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Time lock. 2,140,698; Dec. 20.

Goepfrich, Rudolph A., assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,140,741; Dec. 20.

Goepfrich, Rudolph A., assignor to Bendix Corporation, South Bend, Ind. Brake. 2,140,742; Dec. 20.

Goerg, Bernhard. (See Brabbée, C. W., and Goerg.)

Goettle, Theodore R., Wayne, Pa. Roller skate brake. 2,140,955; Dec. 20.

Goodloe, Alfred M., Roanoke, Va., assignor to Metal Textile Corporation, West Orange, N. J. Scouring device. 2,140,578; Dec. 20.

Goodrich, B. F., Company, The. (See Machlachlan, Andrew D., assignor.)

Görlich, Paul, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Photoelectrically responsive layer. 2,140,994; Dec. 20.

Graham, William S., Canton, Ill., assignor to International Harvester Company. Drive mechanism for tractor mounted planters. 2,140,622; Dec. 20.

Graubner, Herman G., New York, N. Y. and A. G. Saurwein, Cleveland, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Flashlight. 2,140,908; Dec. 20.

Gray, Harold E., Brownsville, Tex. Averaging device. 2,140,579; Dec. 20.

Gray, Reid B., Dundalk, and H. M. Shealey, assignors to The Glenn L. Martin Company, Baltimore, Md. Producing a seal. 2,140,672; Dec. 20.

Green, Charles A., Philadelphia, Pa. Grease dispensing apparatus. 2,140,909; Dec. 20.

Greene, Monte L., and W. L. Rhoads, Sr., St. Louis, Mo., assignors to American Telephone and Telegraph Company, Telegraph system. 2,140,673; Dec. 20.

Greulich, Gerald G., Mount Lebanon, Pa. Tapered piling. 2,141,106; Dec. 20.

Greulich, Gerald G., Mount Lebanon, Pa. Splice for steel bearing piles. 2,141,107; Dec. 20.

Groom, Agnes N., and A. J. Moore, Pittsburgh, Calif. Refuse disposal device for vacuum cleaner bags. 2,140,995; Dec. 20.

Gross, Henry R. (See Clarke, H. B., and Booth, assignors.)

Gruse, William A. (See Hjerpe, E. B., and Gruse.)

Gulf Research & Development Company. (See Hjerpe, E. B., and Gruse, assignors.)

Haas, Frederick S., and W. Trible, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 2,141,065; Dec. 20.

Hackler, Bertram M., assignor to Comas Cigarette Machine Company, Inc., Salem, Va. Tobacco stemming machine. 2,141,083; Dec. 20.

Haegele, Otto P., assignor to Streeter-Amet Company, Chicago, Ill. Weighing apparatus. 2,140,796; Dec. 20.

Haffcke, Philip M., Washington, D. C. Increasing the effect of static. 2,140,526; Dec. 20.

Hagen, Joseph J. (See Reynolds, Noel S., assignor.)
Hall, Warren J., assignor to J. L. Johnston, Houston, Tex. Pump. 2,140,956; Dec. 20.
Hamm, William S., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Sash construction. 2,141,039; Dec. 20.
Hammerman, Meyer A., Chicago, Ill. Garment. 2,140,797; Dec. 20.
Hanna, Michael, Glen Rogers, W. Va. Milling attachment. 2,140,957; Dec. 20.
Harry, Edward R., Sonora, Calif. Attachment for lineman's grip. 2,140,837; Dec. 20.
Hart, Leonard L., Northmead, New South Wales, Australia. Agricultural rotor. 2,140,871; Dec. 20.
Hart, Stanley, Kensington, assignor to Tuttle & Bailey, Inc., New Britain, Conn. Air deflecting device. 2,140,935; Dec. 20.
Hart, William A., assignor to Colonial Brooch Company, Detroit, Mich. Cooling tools and removing chips. 2,140,838; Dec. 20.
Hartley, George C. (See Wright, E. P. G., Hartley, and Wyndham.)
Hartley, Myron L. (See Epstein, A. K., and Hartley.)
Hartley, Myron L. (See Epstein, A. K., Reynolds, and Hartley.)
Hassett, Mary, Woonsocket, S. Dak. Typer's stand. 2,140,674; Dec. 20.
Hatchman, Milton E., Chicago, Ill. Fitting brake bands and linings. 2,140,580; Dec. 20.
Hatfield Wire & Cable Company. (See Wilmot, Charles H., assignor.)
Hawn, William D. (See Etzenhouser, M. A., and Hawn.)
Haynes, Charles R., Clinton, Conn., W. R. Clayton, New York, N. Y., and R. V. Townend, Arlington, N. J., assignors to William Zinsser & Co., New York, N. Y. Composition of matter. 2,140,527; Dec. 20.
Haynes, Hugh W., Joliet, Ill., assignor to The American Steel and Wire Company of New Jersey. Burr removing machine. 2,141,135; Dec. 20.
Hayward, R. B., Company. (See Clemmons, Ralph W., assignor.)
Hecht, Otto. (See Ufer, H., and Hecht.)
Heck, Fred R., assignor to The Timken Roller Bearing Company, Canton, Ohio. Double row roller bearing. 2,141,136; Dec. 20.
Heidloff, Joseph R. (See La Brie, L. E., and Heidloff.)
Heifetz, Solomon A., Wausau, assignor to Marathon Paper Mills Company, Rothschild, Wis. Container. 2,140,996; Dec. 20.
Hell Co., The. (See Boag, Charles W., assignor.)
Hemphill, Robert H., Miami Beach, Fla. Envelope construction. 2,141,084; Dec. 20.
Hennessy, Mark M., assignor to Durant Manufacturing Company, Milwaukee, Wis. Counter. 2,140,839; Dec. 20.
Henney Motor Company. (See Richter, E., and Schofield, assignors.)
Hennion, George F. (See Nieuwland, J. A., Hennion, and Killian.)
Hensel, Franz R., and E. I. Larsen, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Soldering iron tip. 2,140,910; Dec. 20.
Herbst, John E., assignor to The Maytag Company, Newton, Iowa. Torque block and wear compensating device. 2,141,066; Dec. 20.
Hercules Powder Company. (See Maters, Cornelis, assignor.)
Hercules Powder Company. (See Peterson, John M., assignor.)
Herron, Wingo, Augusta, Ga. Lug strap support. 2,140,675; Dec. 20.
Hetzer, Russell A., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Apparatus for reclaiming solvent. 2,140,623; Dec. 20.
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Speed controlled brake. 2,140,624; Dec. 20.
Hewitt, Ellis E., Edgewood, assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Antifreeze air strainer. 2,140,626; Dec. 20.
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Acceleration controller. 2,140,641; Dec. 20.
Hewittic Societe Anonyme. (See Demontvignier, Marcel, assignor.)
Heymann, Leo A., New York, N. Y. Holder for beverage receptacles. 2,140,743; Dec. 20.
Hilliard Corporation, The. (See Dickens, Richard G., assignor.)
Hiram, Herbert, Petaluma, Calif. Signaling device. 2,140,699; Dec. 20.
Hirsch, Sylvan R., Utica, N. Y., assignor to Carbondale Machine Corporation, Harrison, N. J. Beer cooling and dispensing apparatus. 2,140,744; Dec. 20.
Hirshstein, Joseph, Cleveland, Ohio. Grease interceptor. 2,140,581; Dec. 20.
Hirshstein, Joseph, Cleveland, Ohio. Water clarifying apparatus for reclaiming oil and grease. 2,140,582; Dec. 20.
Hjerpe, Eric B., Pittsburgh, and W. A. Gruse, Wilkinsburg, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Petroleum oil refining. 2,141,085; Dec. 20.
Hoak, Clarence B., Steubenville, Ohio. Normalizing furnace. 2,141,108; Dec. 20.
Hocking, John W., Lincoln Park, Mich. Engine fuel. 2,140,627; Dec. 20.
Hodgson, Howard E., Wauwatosa, assignor to Cutler Hammer, Inc., Milwaukee, Wis. Lifting magnet. 2,140,700; Dec. 20.
Hoe, R., & Co. (See Horton, Albert J., assignor.)
Hoe, R. & Co. (See Schwarz, Otto, assignor.)
Hoff, John G., assignor to The Tappan Stove Company, Mansfield, Ohio. Nut or bolt holder. 2,140,628; Dec. 20.
Hoffman, Charles W. W. (See Langer, N., and Hoffman.)
Hohl, Russell L., assignor to Revere Copper and Brass Incorporated, New York, N. Y. Wall or the like. 2,140,997; Dec. 20.
Hohl, Russell L., assignor to Revere Copper and Brass Incorporated, New York, N. Y. Wall or the like. 2,140,998; Dec. 20.
Hohl, Russell L., assignor to Revere Copper and Brass Incorporated, New York, N. Y. Wall or the like. 2,140,999; Dec. 20.
Hohl, Russell L., assignor to Revere Copper and Brass Incorporated, New York, N. Y. Wall or the like. 2,141,000; Dec. 20.
Hohner, Martin J., Wheatfield, Ind. Wire handling device. 2,140,676; Dec. 20.
Holmes, Horace B., Storm Lake, Iowa. Chicken delouser. 2,140,677; Dec. 20.
Holt, Helen, New York, N. Y. Pessary. 2,141,040; Dec. 20.
Holt, Lee C., Wilmington, Del., and G. Etzel, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Refining camphor. 2,140,872; Dec. 20.
Honold, Ernst, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs. 2,140,873; Dec. 20.
Horsley, James H., assignor to Shanklin Manufacturing Company, Chicago, Ill. Tray. 2,141,001; Dec. 20.
Horton, Albert J., White Plains, assignor to R. Hoe & Co., Inc., New York, N. Y. Web supply mechanism for printing machines. 2,140,528; Dec. 20.
Horton, Albert J., White Plains, assignor to R. Hoe & Co., Inc., New York, N. Y. Web supply mechanism for printing machines. 2,141,137; Dec. 20.
Hotson, John H., Woodside, N. Y. Safety razor. 2,141,086; Dec. 20.
Howe, James F., Worcester, Mass., and M. W. Reed, Shaker Heights, Ohio, assignors to The American Steel and Wire Company of New Jersey. Bridge cable strand. 2,141,138; Dec. 20.
Howe, Paul J., Ridgewood, N. J., and C. H. Wyss, Jr., assignors to The Western Union Telegraph Company, New York, N. Y. Interiorly illuminated sign. 2,141,139; Dec. 20.
Huber, George H., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Single side-band transmission system. 2,140,912; Dec. 20.
Hubert, Charles A., Strasbourg, France. Heat-interchange means. 2,140,629; Dec. 20.
Hucks, Robert T., South River, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose derivative composition and preparing same. 2,140,745; Dec. 20.
Huff, Victor C., Bloomfield, N. J. Cable stripper. 2,141,002; Dec. 20.
Hutaff, George H., Jr. (See O'Neal, George R., assignor.)
Huyett, Daniel D., assignor to Atlas Powder Company, Wilmington, Del. Packaging electric blasting caps. 2,140,746; Dec. 20.
Hygrade Sylvania Corporation. (See Zabel, Rolland M., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Pier, M., and Christmann, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Rein, Herbert, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Ufer, Hanns, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Ufer, H., and Hecht, assignors.)
Ilford Limited, et al. (See Murray, H. D., and Spencer, assignors.)
Illguth, Gustav, Langwaltersdorf, Germany. Helmet. 2,140,630; Dec. 20.
Imperial Chemical Industries Limited. (See Challenor, W. A. P., and Scott, assignors.)
Imperial Chemical Industries Limited. (See Coffey, S., and Schofield, assignors.)
Improved Products & Machinery Company, Inc. (See Luhn, Hans P., assignor.)
Ingenium Aktiengesellschaft. (See Reiter, Bruno, assignor.)
Ingersoll-Rand Company. (See McHugh, Anthony L., assignor.)
Ingersoll-Rand Company. (See Miller, Frank, assignor.)
Ingersoll-Rand Company. (See Slater, Fred M., assignor.)
Ingleside Company, The. (See Collins, Howard W., assignor.)
Ingleside Company, The. (See Slayter, G., and Collins.)
International Harvester Company. (See Graham, William S., assignor.)
International Harvester Company. (See Johnston, Edward A., assignor.)

Irwin, Lawrence C., assignor to Charles J. Tagliabue Mfg. Co., Brooklyn, N. Y. Temperature or pressure control by flow regulation. 2,140,747; Dec. 20.
Jacobs, Joseph, Bridgeport, assignor to The A. J. Donahue Corporation, Milford, Conn. Hair curler. 2,140,583; Dec. 20.
Jacobs, Rex C., Detroit, Mich. Door check bracket. 2,140,958; Dec. 20.
Jacobs, Rex C., Detroit, Mich. Flock covered glare shield. 2,140,959; Dec. 20.
Jakosky, John J., Los Angeles, Calif. Electrical method and apparatus for determining the characteristics of geologic formations. 2,140,798; Dec. 20.
James, Arthur, Youngstown, Ohio. Self-clearing hoe. 2,140,911; Dec. 20.
Jeffree, John H., Bray-on-Thames, assignor to Scophony Limited, London, England. Scanning device. 2,140,584; Dec. 20.
Jeffrey Manufacturing Company, The. (See Levin, Nils D., assignor.)
Jennings, Andrew B. (See Middleton, E. B., and Jennings.)
Jennings, Irving C., South Norwalk, Conn. Control mechanism for steam heating systems. 2,140,701; Dec. 20.
Jerum, Henry, New York, N. Y. Door closing apparatus. 2,140,913; Dec. 20.
Johansen, Fredrik, and E. J. Lloyd, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey. Rope tramway. 2,140,585; Dec. 20.
Johanson, Axel E., Chicago, Ill. Wrapper for chewing gum. 2,140,748; Dec. 20.
Johnson, Arthur A., assignor to Casco Products Corporation, Bridgeport, Conn. Splash guard for vehicle wheel fenders. 2,141,140; Dec. 20.
Johnson, Charles H. (See Paxton, G. C., Benson, and Johnson.)
Johnson Laboratories, Inc. (See Schofield, Bernard R., assignor.)
Johnston, Edward A., Chicago, Ill., assignor to International Harvester Company. Cotton picker. 2,140,631; Dec. 20.
Johnston, J. L. (See Hall, Warren J., assignor.)
Jonsson, Josef E., Linkoping, Sweden. Device in capping machines. 2,140,586; Dec. 20.
Jörgensen, Bernhard. (See Soldan, O., Panzerbieter, and Jörgensen.)
Josten Manufacturing Co., The. (See Minister, George C., assignor.)
Jueison, Agnes S., Chicago, Ill. Suction nozzle. 2,140,874; Dec. 20.
Kahler, John E., Kankakee, Ill. Swatter gun. 2,140,875; Dec. 20.
Kalbitzer, George W., Jr., Los Angeles, Calif., assignor, by mesne assignments, to J. P. Seeburg Corporation, Chicago, Ill. Vending machine for frozen confections. 2,140,587; Dec. 20.
Kanolt, Clarence W., Long Island City, N. Y. Stereoscopic picture. 2,140,702; Dec. 20.
Kaplan, Robert, assignor to Filshie Lead Head Nail Company, Inc., Chicago, Ill. Capped nail. 2,140,749; Dec. 20.
Karrakis, Donald. (See Lussie, William H., assignor.)
Kaufman, Frank M., Merion, assignor to Collins & Aikman Corporation, Philadelphia, Pa. Apparatus and method for the manufacture of pile fabrics. 2,141,152; Dec. 20.
Kearney, James R., Corporation. (See Fox, Charles A., assignor.)
Kearney, James R., Corporation. (See Froland, Olav, assignor.)
Keller, James L., Ferndale, Mich. Clamping device. 2,140,632; Dec. 20.
Kelley-Koett Manufacturing Company. (See Lee, William M., assignor.)
Keller, Werner. (See Raeck, M., and Keller.)
Kemp, William E., Detroit, Mich., assignor to Pierce Governor Company, Anderson, Ind. Governor mechanism. 2,140,529; Dec. 20.
Kemp, William E., Orlando, Fla., assignor to Pierce Governor Company, Andersen, Ind. Governor mechanism. 2,140,530; Dec. 20.
Kemptgen, John G., Chicago, Ill. Film reel band. 2,141,109; Dec. 20.
Kenigsberg, Alexander H., Chicago, Ill. Interchangeable gaseous luminous sign. 2,140,703; Dec. 20.
Kennedy, Richard R., Dayton, Ohio. Cadmium alloy solders. 2,140,531; Dec. 20.
Ken-Rad Tube and Lamp Corporation, The. (See Mahoney, Charles H., assignor.)
Kercher, Martin T., La Fayette, Ind. Sliding top for trucks. 2,140,960; Dec. 20.
Kliefer Manufacturing Corporation. (See Mitchell, Rollie H., assignor.)
Killian, Donald B. (See Nieuwland, J. A., Hennion, and Killian.)
King, John L., Columbus, and N. L. Whitten, Thomaston, assignors of one-half to said King and one-half to C. R. Medley, Columbus, Ga. Card sliver control. 2,141,003; Dec. 20.
Klavik, Milos, Koprivnice, Moravia, Czechoslovakia. Arrangement and mounting of the axle gear in motor vehicles. 2,140,876; Dec. 20.
Kliesrath, Victor W., assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,140,750; Dec. 20.
Knight, Samuel H., Lancaster, Pa. Parachute harness. 2,141,041; Dec. 20.
Kocks, Fritz, Dusseldorf, Germany. Driving tube drawing benches. 2,140,633; Dec. 20.
"Koh-i-noor" tužkarna L. & C. Hardtmuth. (See Zückert, Richard, assignor.)
Kollsman, Paul, Greenwich, Conn. Temperature compensator for pressure responsive devices. 2,140,704; Dec. 20.
Komlos, Dezso, Golders Green, London, England. Producing paths, road surfaces, floorings, and the like. 2,140,634; Dec. 20.
Konarski, Michel M., Akron, Ohio. School furniture. 2,140,635; Dec. 20.
Kongsted, Ludvig P., Longmeadow, assignor to American Bosch Corporation, Springfield, Mass. Ignition coil. 2,141,141; Dec. 20.
Koppers Company. (See Daniels, Joseph, assignor.)
Koppers Company. (See Schulte, Johannes, assignor.)
Koppers Company. (See van Ackeren, Paul, assignor.)
Kothny, Gottdank L., Strafford, assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Measuring device. 2,140,914; Dec. 20.
Kouzian, Harry E. (See Tookousian, Persak, assignor.)
Krag, Harry W., assignor to American Shoe Machinery and Tool Company, St. Louis, Mo. Sewing machine. 2,141,004; Dec. 20.
Krantz, Edward, assignor to Ace Fastener Corporation, Chicago, Ill. Stapling machine. 2,140,588; Dec. 20.
Kreer, John G., Jr. (See Dixon, J. T., and Kreer.)
Kreer, John G., Jr., Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Distortion correction in wave transmission. 2,140,915; Dec. 20.
Kroll, Stanley A. (See Collens, W. S., Wilensky, and Kroll.)
Kucher, Andrew A., Dayton, Ohio. Multiple light sensitive tube. 2,140,799; Dec. 20.
Kueffer, E. H. (See Trautner, Wagn, assignor.)
Kunkel, John C., et al. (See Quick, Raymond B., assignor.)
La Brie, Ludger E., and J. R. Heidloff, Detroit, Mich., assignors to Bendix Aviation Corporation, South Bend, Ind. Hydraulic brake. 2,140,751; Dec. 20.
La Brie, Ludger E., assignor to Bendix Brake Company, South Bend, Ind. Brake. 2,140,752; Dec. 20.
La Brie, Ludger E., assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,140,753; Dec. 20.
Langer, Nicholas, New York, and C. W. W. Hoffman, Syracuse, N. Y.; said Langer assignor to said Hoffman. Audio frequency oscillator. 2,140,840; Dec. 20.
Lannmark, Sven E., Stockholm, Sweden. Bottle washing apparatus. 2,140,589; Dec. 20.
Larsen, Earl I. (See Hensel, F. R., and Larsen.)
Larsson, Ernst A., assignor to The Ohio Brass Company, Mansfield, Ohio. Car coupler. 2,140,705; Dec. 20.
Latshaw, Charles E., Minneapolis, Minn. Mixing knife. 2,140,706; Dec. 20.
Laughlin, William C., assignor to Filtration Equipment Corporation, New York, N. Y. Sealing plate for sand filter cleaners. 2,141,153; Dec. 20.
Lauter, Felix, Evanston, assignor to Sealkote Corporation, Chicago, Ill. Printing solution. 2,140,754; Dec. 20.
Lawson, Axel A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming machine. 2,140,532; Dec. 20.
Lee, William M., assignor to The Kelly-Koett Manufacturing Company, Inc., Covington, Ky. High frequency X-ray apparatus. 2,140,707; Dec. 20.
Leemans, Joseph P., assignor to Société Générale Métallurgique de Hoboken, Hoboken, near Antwerp, Belgium. Treatment of substances containing tantalum and/or niobium. 2,140,800; Dec. 20.
Leemans, Joseph P., assignor to Société Générale Métallurgique de Hoboken, Hoboken, near Antwerp, Belgium. Treatment of materials containing tantalum and/or niobium. 2,140,801; Dec. 20.
Lehman, Roscoe E., assignor to The W. H. Reisner Manufacturing Company, Hagerstown, Md. Direct electric valve action. 2,140,802; Dec. 20.
Leighton, John W., Port Huron, Mich. Spring construction. 2,140,803; Dec. 20.
Lendle, Carl R., Youngstown, Ohio. Garment steaming device. 2,140,961; Dec. 20.
Leonard, Jesse W., W. R. Butterworth, Jr., and W. L. Wellford, Jr., Memphis, Tenn. Barrel drier. 2,140,841; Dec. 20.
Levin, Nathan, Trenton, N. J. Knitting machine and operating same. 2,141,042; Dec. 20.
Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Portable loading machine. 2,140,636; Dec. 20.
Lewis, Charles B. (See Clifford, Patrick J., assignor.)
Lieseberg, Friedrich. (See Wild, W., and Lieseberg.)
Lincoln Engineering Company. (See Rotter, Lutwin C., assignor.)
Linden, Louis P., Snow Hill, London, England. Advertising apparatus. 2,140,678; Dec. 20.
Line Material Company. (See Schultz, W. O., and Steinmayer, assignors.)
Linhardt, Charles, Jr., Baltimore, Md. Emergency light and water container therefor. 2,140,877; Dec. 20.
Littell, F. J., Machine Company. (See Littell, Frederick M., assignor.)

Littell, Frederick M., assignor to F. J. Littell Machine Company, Chicago, Ill. Automatic controlling apparatus for strip feeding mechanism. 2,140,755; Dec. 20.

Liverance & Van Antwerp. (See Den Besten, Gerrit, assignor.)

Lloyd, Elmer J. (See Johansen, F., and Lloyd.)

Lobstein, Jean, Paris, France. Support forming current intake with automatic adjustment of temperature for electric heating apparatus. 2,140,756; Dec. 20.

Lockleer, Edward L., Amarillo, Tex. Display device. 2,140,804; Dec. 20.

Long, Edward R., Bethlehem, Pa., assignor to Bethlehem Steel Company. Manufacture of metal products. 2,140,916; Dec. 20.

Lorentz, Jacobine, née Göhring, executrix. (See Lorentz, Valentin.)

Lorentz, Valentin, deceased, Dolzschen, near Dresden; J. Lorentz, née Göhring, executrix, assignor, by mesne assignments, to Beco Maschinenfabrik G. m. b. H., Dresden, Germany. Device for feeding tobacco leaves to cutting machines. 2,140,637; Dec. 20.

Luco Products Corporation. (See Smidth, Leonard, assignor.)

Luhn, Hans P., New York, N. Y., assignor to Improved Products and Machinery Co. Inc. Method and apparatus for eliminating sinker lines and the like in hosiery. 2,140,936; Dec. 20.

Luhn, Hans P., assignor to Improved Products & Machinery Company, Inc., New York, N. Y. Knitted fabric. 2,140,937; Dec. 20.

Lurie, Rebecca, Johannesburg, Union of South Africa. Preservation of timber. 2,140,878; Dec. 20.

Lussie, William H., West Orange, assignor of one-half to D. Karrakis, East Orange, N. J. Tube extruding die. 2,141,005; Dec. 20.

Lyndon, Lamar. (See McWade, R., Jr., and Lyndon.)

MacChesney, Chester M., assignor to Acme Steel Company, Chicago, Ill. Method of and apparatus for straightening steel strapping. 2,140,533; Dec. 20.

Maclachlan, Andrew D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Ventilating hose. 2,140,638; Dec. 20.

Macquisten, Arthur P. S. (See Talbot-Crosbie, John B.)

Madsen, Sern, assignor, by mesne assignments, to Curtis Companies Incorporated, Clinton, Iowa. Adjusting hardware for sashes and the like. 2,140,842; Dec. 20.

Magnetic Analysis Corporation. (See Zuschlag, Theodor, assignor.)

Mahoney, Charles H., assignor to The Ken-Rad Tube and Lamp Corporation, Owensboro, Ky. Electrode for electron discharge devices. 2,140,534; Dec. 20.

Mahood, George P., Bluefield, W. Va., assignor to Bethlehem Steel Company. Locking device. 2,140,917; Dec. 20.

Maldens, William T. (See Depew, H. A., and Maldens.)

Mallory, P. R., & Co. (See Hensel, F. R., and Larsen, assignors.)

Malm, Carl J., and L. W. Blanchard, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Preparing cellulose aceate. 2,140,639; Dec. 20.

Marathon Paper Mills Company. (See Helfetz, Solomon A., assignor.)

Marathon Paper Mills Company. (See Monk, Howard H., assignor.)

Marbo Patents Inc. (See Gebauer-Fuelnegg, E., and Moffett, assignors.)

Marbon Corporation. (See Winkelmann, Herbert A., assignor.)

Marinsky, Davis, assignor to Whitehall Patents Corporation, Bronx, N. Y. End tape coupling for separable fasteners. 2,141,006; Dec. 20.

Marseglia, Faust J., Brooklyn, N. Y. Adjustable bookholder. 2,140,805; Dec. 20.

Marsh, Clarence E., St. Joseph, Mo. Minnow bucket. 2,140,962; Dec. 20.

Marsh, Walton C., Belleville, Ill. Making dies. 2,140,806; Dec. 20.

Marshall, Donald E., Palos Verdes Estates, Calif. System for policing vehicles in traffic. 2,140,918; Dec. 20.

Martin, Glenn L., Company, The. (See Gray, R. B., and Shealey, assignors.)

Martin, Walter D., Albany, Ga. Larvacide and preparing same. 2,141,087; Dec. 20.

Mastney, Edward J. (See Dressel, H. M., Allison, and Mastney.)

Mastney, Edward J., Berwyn, assignor to Oak Manufacturing Company, Chicago, Ill. Vibrator. 2,140,807; Dec. 20.

Maters, Cornelis, The Hague, Netherlands, assignor to Hercules Powder Company, Wilmington, Del. Molding powder. 2,141,043; Dec. 20.

Mathey, Alcide E. (See Scully F. P., and Mathey.)

Mauser, Karl W., assignor, by mesne assignments, to Mauser Kommandit-Gesellschaft, Cologne-Ehrenfeld, Germany. Constructional element. 2,140,709; Dec. 20.

Mauser Kommandit-Gesellschaft. (See Mauser, Karl W., assignor.)

Mauser-Werke A. G. (See Ebert, Fritz, assignor.)

Maytag Company, The. (See Herbst, John E., assignor.)

Maywood Chemical Works. (See Osborg, Hans, assignor.)

McCabe, Ira E., Chicago, Ill. Fluid fuel burner ignition control. 2,140,708; Dec. 20.

McCaleb, Albert G. (See Allen, Hugh E., assignor.)

McCune, Joseph C., Edgewood, assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Acceleration and deceleration controller. 2,140,640; Dec. 20.

McCune, Joseph C., Edgewood, assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Magnetic track brake. 2,140,643; Dec. 20.

McFarlane, Robert B., Toronto, Ontario, Canada. Door lock. 2,141,088; Dec. 20.

McGill, Alexander, and H. Taylor, Spondon, near Derby, England, assignors to Celanese Corporation of America. Apparatus for converting continuous filaments into products containing staple fibers. 2,140,535; Dec. 20.

McGinnis, Walter, Eagle Rock, and Z. Wirt, Los Angeles, Calif. Electrical connection. 2,140,843; Dec. 20.

McHugh, Anthony L., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Locking device. 2,140,644; Dec. 20.

McKeever, Roy S., assignor to Smith Separator Corporation, Tulsa, Okla. Chemical flow controller. 2,140,679; Dec. 20.

McLain, Jay G., Steubenville, Ohio. Auxiliary cutter for lawn mowers. 2,140,963; Dec. 20.

McMurray, Frederick R. (See Merrill, P. D., and McMurray.)

McNally, James G., and J. B. Dickey, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Azo compounds and dyeing therewith. 2,140,536; Dec. 20.

McNally, James G., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Azo compounds and coloring therewith. 2,140,537; Dec. 20.

McNally, James G., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Coloration of organic derivatives of cellulose. 2,140,538; Dec. 20.

McNally, James G., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Azo compounds and coloring therewith. 2,140,539; Dec. 20.

McNamee, Raymond W., South Charleston, and C. M. Blair, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. 2-hydroxymethyl-1,3-dioxolane. 2,140,938; Dec. 20.

McQueen, Claude W. (See Brown, Charley L., assignor.)

McWade, Robert, Jr., Westwood Village, and L. Lyndon, Los Angeles, Calif., assignors to Bendix Products Corporation, South Bend, Ind. Transmission means. 2,140,758; Dec. 20.

Medley, C. R., et al. (See King, J. L., and Whitten, assignors.)

Meeh, Robert F., St. Louis, Mo. Shovel. 2,141,007; Dec. 20.

Meininger, Carl W., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Dump truck body. 2,140,590; Dec. 20.

Meisel, Michael M., Baltimore, Md. Piston ring. 2,140,710; Dec. 20.

Meisse, Louis A., assignor to The Ohio Brass Company, Mansfield, Ohio. Current collector. 2,141,154; Dec. 20.

Merriam, Edmund S., Marietta, Ohio. Producing abrasive articles. 2,141,155; Dec. 20.

Merrill Company, The. (See Mills, L. D., and Crowe, assignors.)

Merrill, Marcellus S., Denver, Colo. Ski binding. 2,140,757; Dec. 20.

Merrill, Patterson D., and F. R. McMurray, assignors to M. B. Skinner Company, South Bend, Ind. Pipe joint seal ring. 2,140,939; Dec. 20.

Metal Textile Corporation. (See Goodloe, Alfred M., assignor.)

Metals & Controls Corporation. (See Peterson, Arthur W., assignor.)

Meyer, Pierre H., Mount Vernon, N. Y. Clamp bracket. 2,141,008; Dec. 20.

Meyer, Pierre H., Mount Vernon, N. Y. Supporting device. 2,141,009; Dec. 20.

Meyer, Russell R., Dakota, Ill. Beehive frontal enclosure. 2,140,964; Dec. 20.

Micro Products Corporation. (See Vogt, Hans, assignor.)

Middleton, Edmund B., and A. B. Jennings, New Brunswick, N. J., assignors, by mesne assignments, to Du Pont Film Manufacturing Corporation. Color photography. 2,140,540; Dec. 20.

Miley, L. J., Company. (See Williams, George B., assignor.)

Millan, Edward N. (See Tytus, J. B., and Millan.)

Miller-Bellanca Airplanes Limited. (See Bellanca, Frank M., assignor.)

Miller, Charles E., Gary, Ind. Tin plate. 2,141,110; Dec. 20.

Miller, Edwin B., Viola, Kans. Safety marker for traffic lanes. 2,141,067; Dec. 20.

Miller, Frank, East Orange, assignor to Ingersoll-Rand Company, Jersey City, N. J. Core extracting device. 2,140,645; Dec. 20.

Miller, Raymond E., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Speed controlled brake. 2,140,625; Dec. 20.

Mills, Louis D., and T. B. Crowe, Palo Alto, assignors to The Merrill Company, San Francisco, Calif. Cyanide system. 2,140,591; Dec. 20.

Minister, George C., Columbus, Ohio, assignor to The Josten Manufacturing Co., Owatonna, Minn. Ring bending mechanism. 2,141,010; Dec. 20.

Mirus-Leuschner, Kurt, assignor to General Motors Corporation, Detroit, Mich. Door weather strip. 2,140,844; Dec. 20.

Mitchell, Allister S., assignor to National Automotive Fibres, Inc., Detroit, Mich. Method and apparatus for manufacture of upholstery trim panels. 2,140,711; Dec. 20.

Mitchell, Percival H., Toronto, Ontario, Canada. Reflector for street and highway lighting. 2,140,646; Dec. 20.

Mitchell, Rollie H., Walnut Park, Calif., assignor, by mesne assignments, to Killefer Manufacturing Corporation. Direct connect implement. 2,140,712; Dec. 20.

Mitchell, Roscoe A., Laredo, assignor of one-half to G. B. Bancroft, San Antonio, Tex. Packing box and underreamer. 2,141,111; Dec. 20.

Mitton, William E., Shawano, Wis. Apparatus for sterilizing food products. 2,141,089; Dec. 20.

Moen, Ingman, Omaha, Nebr. Vehicle traction wheel. 2,140,845; Dec. 20.

Moffett, Eugene W. (See Gebauer-Fuelnegg, E., and Moffett.)

Molinare, Anthony W., Oak Park, assignor to Electric Household Utilities Corporation, Chicago, Ill. Washing machine. 2,140,846; Dec. 20.

Molins Machine Company. (See Ruau, Félix F., assignor.)

Monarch Machine Tool Co., The. (See Bickel, Clifford A., assignor.)

Moness, Eugene. (See Christiansen, W. G., and Moness.)

Monfort, Nicholas A. (See Chmielewski, T., and Monfort.)

Monk, Howard H., Rockford, Ill., assignor to Marathon Paper Mills Company, Rothschild, Wis. Carton retaining band. 2,141,011; Dec. 20.

Moore, Amy J. (See Groom, A. N., and Moore.)

Moore, Charles W., Fullerton, Calif. Chair tip. 2,140,541; Dec. 20.

Moore, Frederick T., West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Machine gun with adjustable packing. 2,140,808; Dec. 20.

Moore, Frederick T., West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Machine gun. 2,140,809; Dec. 20.

Moos, Josef. (See Terres, E., Moos, and Saegebarth.)

Morvillo, Amedeo, Providence, R. I., assignor to Spear & Susskind. Collar holder. 2,141,012; Dec. 20.

Muller, Oscar F., Glen Ridge, N. J., assignor to Dri-Wear, Inc., New York, N. Y. Dressing, treating, and finishing furs. 2,140,759; Dec. 20.

Müller, Werner, Cologne, and C. Berres, Leverkusen-Wiesdorf, Germany, assignors to General Aniline Works, Inc., New York, N. Y. N-substituted para-aminobenzaldehydes. 2,141,090; Dec. 20.

Murray, Humphrey D., and D. A. Spencer, London, assignors to Ilford Limited, Ilford, and The Veracol Film Syndicate Limited, London, England. Composite layer films for color photography and the processing thereof. 2,140,847; Dec. 20.

Mushet, James C., Roselle Park, N. J., assignor to Star Expansion Bolt Company, New York, N. Y. Bolt anchor. 2,140,919; Dec. 20.

Myers, Lloyd D., Minneapolis, Minn. Umbrella to be worn on head. 2,140,647; Dec. 20.

Myracle, Alson C., Orange, Calif. Lead line sampler. 2,140,920; Dec. 20.

Myrberg, Sven O., Providence, R. I., assignor to Providence Stock Company. Extension device. 2,141,068; Dec. 20.

N. V. Allgemeene, Chemische en Technische Maatschappij "Achetem". (See Traube, Wilhelm, assignor.)

Naamlooze Venootschap Chemische Fabriek Servo. (See Rozenbroek, Meindert D., assignor.)

Nadeau, Gale F., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Photographic stripping film. 2,140,648; Dec. 20.

Nardone, Romeo M., assignor to Eclipse Aviation Corporation, East Orange, N. J. Engine starting mechanism. 2,140,965; Dec. 20.

National Automotive Fibres, Inc. (See Mitchell, Allister S., assignor.)

National Tube Company. (See Findlater, Stevenson, assignor.)

Neidlein, Leonhard. (See Röhm, R., and Neidlein.)

Neilsen, Peter C. (See Ecklund, R. T., and Neilsen.)

Nelson, Christian H., Lyndhurst, N. J. Container. 2,140,542; Dec. 20.

Neupert, Bernhard, Briesnitz over Sagan, Germany. Egg carrying device. 2,141,112; Dec. 20.

Newell, George K., Pitcairn, assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Compressor unloader. 2,141,069; Dec. 20.

Newell, George K., Pitcairn, assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Diaphragm foot valve. 2,141,070; Dec. 20.

Newlin, Roy J. (See Dysart, W. L., and Newlin.)

New Products Corporation. (See Banker, Oscar H., assignor.)

Nichols, Arthur A., Waltham, Mass. Rotary mechanism. 2,140,966; Dec. 20.

Nicholson, Albert H., assignor to The Federal Glass Company, Columbus, Ohio. Glass container. 2,141,013; Dec. 20.

Nieuwland, Julius A., G. F. Hennion, and D. B. Killian, Notre Dame, Ind., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Addition products of acetylene and alcohol and producing them. 2,140,713; Dec. 20.

Northern Malleable Iron Company. (See Cummins, Thomas K., assignor.)

Northrop, Dennis E., and R. C. Burton, Kingsport, Tenn., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Refining organic acid esters of cellulose. 2,140,543; Dec. 20.

Norton Company. (See Quick, C. H., and Beecher, assignors.)

Nutt, Harold, assignor to Borg-Warner Corporation, Chicago, Ill. Clutch plate. 2,141,014; Dec. 20.

Nyffenegger, Hans, assignor to the firm Schweizerische Lokomotiv-und Maschinenfabrik, Winterthur, Switzerland. Locomotive. 2,140,967; Dec. 20.

O. K. Tool Company, The. (See Reaney, Ernest, assignor.)

Oak Manufacturing Company. (See Dressel, H. M., Allison, and Mastney, assignors.)

Oak Manufacturing Company. (See Mastney, Edward J., assignor.)

O'Brien, John R., Long Island City, N. Y. Plumbing fixture. 2,140,848; Dec. 20.

Ogden, Jacob W. (See Wheeler, W. H., Jr., Ogden, and Rouan.)

Ohio Brass Company, The. (See Larsson, Ernst A., assignor.)

Ohio Brass Company, The. (See Meisse, Louis A., assignor.)

Ohliaver, Homer W., Lakewood, Ohio, assignor, by mesne assignments, to The Bastian-Blessing Company, Chicago, Ill. Refrigeration system control. 2,140,810; Dec. 20.

O'Neal, George R., Beltsville, Md., assignor to G. H. Hutaff, Jr., Wilmington, Del. Guard for drawers. 2,140,879; Dec. 20.

Opland, Herman T., Minneapolis, Minn. Storm sash fastener. 2,140,849; Dec. 20.

Osborg, Hans, Bronxville, N. Y., assignor to Maywood Chemical Works, Maywood, N. J. Lead-bismuth-lithium cable sheath. 2,140,544; Dec. 20.

Osborn, Carl B., Tampa, Fla. Illuminating aiming attachment for firearms. 2,140,880; Dec. 20.

Osmo Garden Company, The. (See Avery, Henry C., assignor.)

Ostberg, Karl, Springfield, N. J. Adjusting cutting heights of lawn mowers. 2,140,760; Dec. 20.

Paige, Arthur E., Philadelphia, Pa. Dispensing apparatus. 2,141,015; Dec. 20.

Palmer, Joseph, Fort Worth, Tex. Brick bond gauge. 2,140,714; Dec. 20.

Palmieri, Mario, Chicago, and A. J. Beck, Niles Center, assignors of one-half to the Sanitary District of Chicago, Chicago, Ill. Building material and producing the same. 2,140,850; Dec. 20.

Pan American Engineering Corporation. (See Frazee, Doniphan H., assignor.)

Pankonin, William G., assignor to Ace Fastener Corporation, Chicago, Ill. Stapling device. 2,140,592; Dec. 20.

Pankonin, William G., Chicago, Ill. Staple. 2,140,593; Dec. 20.

Panzerbieter, Hans. (See Soldan, O., Panzerbieter, and Jörgensen.)

Paranzino, Anthony, Moosup, Conn. Automobile body. 2,140,968; Dec. 20.

Parisot, Jean, assignor to Compagnie Lorraine de Charbons pour l'Electricité, Paris, France. Intensive electric arc carbon. 2,140,881; Dec. 20.

Paxton, Gerald C., H. D. Benson, and C. H. Johnson, Santa Ana, Calif., assignors, by mesne assignments, to Food Machinery Corporation. Box lid pressing and nailing machine. 2,140,851; Dec. 20.

Payson, Peter, New York, N. Y. Alloy steel. 2,141,016; Dec. 20.

Pease, C. F., Company, The. (See Brunk, H. J., and Dickason, assignors.)

Peck, William W., Muncie, Ind. Draft control for fuel burners. 2,140,761; Dec. 20.

Pecker, Joseph S., Philadelphia, Pa. Jig. 2,140,762; Dec. 20.

Pedery, Joseph, New York, N. Y. Tobacco pipe. 2,140,649; Dec. 20.

Penn, William D., Dallas, Tex. Hearing-aid apparatus. 2,140,969; Dec. 20.

Perkins, Ralph P. (See Arnold, J. B., and Perkins.)

Perry, Edward D., Watertown, Conn., assignor, by mesne assignments, to Stern-Brown, Inc., Long Island City, N. Y. Sadiron. 2,140,852; Dec. 20.

Peterson, Arthur W., North Attleboro, assignor to Metals & Controls Corporation, Attleboro, Mass. Alloy. 2,141,156; Dec. 20.

Peterson, Arthur W., North Attleboro, assignor to Metals & Controls Corporation, Attleboro, Mass. Alloy. 2,141,157; Dec. 20.

Peterson, Chester, Maplewood, N. J., assignor to The H. A. Wilson Company. Contact. 2,141,113; Dec. 20.

Peterson, Chester, Maplewood, N. J., assignor to The H. A. Wilson Company. Contact. 2,141,114; Dec. 20.

Peterson, John M., Kennett Square, Pa., assignor to Hercules Powder Company, Wilmington, Del. Production of chlorine containing derivatives of rubber. 2,140,715; Dec. 20.

Pier, Mathias, Heidelberg, and F. Christmann, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie, Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of lubricants. 2,140,545; Dec. 20.

Pierce Governor Company. (See Kemp, William E., assignor.)

Pierce, James E., assignor to The Dow Chemical Company, Midland, Mich. Preparation of ethyl chloride. 2,140,927; Dec. 20.

Pintsch, Julius, Kommanditgesellschaft. (See Dallenbach, Walter, assignor.)

Pitney-Bowes Postage Meter Co. (See Wheeler, W. H., Jr., Ogden, and Rouan, assignors.)

Placco, Oscar, Cranston, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y. Ornamental device. 2,140,504; Dec. 20.

Poole, William C., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Apparatus for filling oils in containers. 2,140,811; Dec. 20.

Portable Lamp & Equipment Company. (See Warden, Charles A., assignor.)

Progressive Service Company. (See Deubel, Carl G., assignor.)

Protzen, Hans. (See Corsepius, R., and Protzen.)

Providence Stock Company. (See Myrberg, Sven O., assignor.)

Pryale, Harry M., Pontiac, Mich. Protective device for athletic wear. 2,140,716; Dec. 20.

Pym, Arthur F. (See Pym, Charles F.)

Pym, Charles F., deceased, Beverly, by A. F. Pym, executor. Swampscott, Mass., assignor to United States Shoe Machinery Corporation, Paterson, N. J. Method of and machine for use in manufacturing shoes. 2,140,546; Dec. 20.

Pyman, Frank L., B. Garforth, and L. Anderson, assignors to Boots' Pure Drug Company Limited, Nottingham, England. Glucoside of 3,3'-diamino-4,4'-dihydroxy arsenobenzene-sodium formaldehyde sulphoxalate and a process of making it. 2,140,717; Dec. 20.

Quaid, James I. (See Davenport, John J., assignor.)

Quaker Oats Company. (See Brownlee, Harold J., assignor.)

Quick, Charles H., Worcester, and M. F. Beecher, Holden, assignors to Norton Company, Worcester, Mass. Making articles of ceramic bonded granular material. 2,140,650; Dec. 20.

Quick, Raymond B., Garden City, N. J., assignor of thirty-five and two-tenths per cent to J. H. Crosman, III, Haverford, Pa., two per cent to M. H. Vernon, New York, N. Y., and two and eight-tenths per cent to J. C. Kunkel, Harrisburg, Pa. Stopping rotation of propellers. 2,141,091; Dec. 20.

Raeck, Max, Dessau-Haidedurg, in Anhalt, and W. Keller, Dessau, in Anhalt, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Green orthohydroxyazo dyes. 2,140,763; Dec. 20.

Ralston, Anderson W., assignor to Armour and Company, Chicago, Ill. Extreme pressure lubricant. 2,141,142; Dec. 20.

Rapley, Harold H., Bedford, England, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Belt conveyer for newspapers and like articles. 2,140,595; Dec. 20.

Rassmann, Hugo C., Beaver Dam, Wis. Hill dropping seeder. 2,141,044; Dec. 20.

Rassow, Horst, Berlin-Friedenau, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Method and arrangement for synchronizing of printing telegraphs. 2,140,596; Dec. 20.

Ratti, Aldin, Ann Arbor, Mich. Combined ignition and gear shift locking device. 2,140,812; Dec. 20.

Reaney, Ernest, Bridgeport, Conn., assignor to The O. K. Tool Company, Inc., New York, N. Y. Vertically adjustable shankless tool bit and holder therefor. 2,140,940; Dec. 20.

Reaney, Ernest, Bridgeport, Conn., assignor to The O. K. Tool Company, Inc., New York, N. Y. Triple adjustment shankless tool bit and holder therefor. 2,140,941; Dec. 20.

Reed, Malcolm W. (See Howe, J. F., and Reed.)

Reedy, Joseph F., Greensburg, Pa. Agitating mechanism. 2,140,970; Dec. 20.

Reeves, Paul B., and H. E. Brooks, assignors to Reeves Pulley Company, Columbus, Ind. Variable speed motor drive. 2,140,942; Dec. 20.

Reeves Pulley Company. (See Reeves, P. B., and Brooks, assignors.)

Reilly, John H., assignor to The Dew Chemical Company, Midland, Mich. Chlorination of ethane. 2,140,547; Dec. 20.

Reilly, John H., assignor to The Dow Chemical Company, Midland, Mich. Chlorination of ethylene chloride. 2,140,548; Dec. 20.

Reilly, John H., assignor to The Dow Chemical Company, Midland, Mich. Preparation of 1,1,2-Trichloroethane. 2,140,549; Dec. 20.

Reilly, John H., assignor to The Dow Chemical Company, Midland, Mich. Chlorination of benzene. 2,140,550; Dec. 20.

Reilly, John H., assignor to The Dow Chemical Company, Midland, Mich. Chlorination of acetylene. 2,140,551; Dec. 20.

Rein, Herbert, Leipzig, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of solutions of a polymerized vinyl compound. 2,140,921; Dec. 20.

Reisner, W. H., Manufacturing Company, The. (See Lehman, Roscoe E., assignor.)

Reissner, Hans, Berlin-Charlottenburg, Germany. Adjustable propeller. 2,140,718; Dec. 20.

Reiter, Bruno, London, England, assignor to Ingenium Aktiengesellschaft, Chur, Switzerland. Method of and blank for making sliders for sliding-clasp fasteners. 2,140,764; Dec. 20.

Reutter, Jean-Léon, Paris, assignor to Société Anonyme: Etablissements Ed. Jaeger, Levallois-Perret (Seine), France. Hysteresis compensated pressure measuring device. 2,140,765; Dec. 20.

Revere Copper and Brass Incorporated. (See Hohl, Russell L., assignor.)

Reynolds, Harold L. (See Epstein, A. K., Reynolds, and Hartley.)

Reynolds, Noel S., assignor to J. J. Hagen, St. Louis, Mo. Braking mechanism. 2,140,597; Dec. 20.

Rhodes, Harold A., Bloomfield, N. J., assignor to American Telephone and Telegraph Company. Telegraph testing set. 2,140,680; Dec. 20.

Rhoads, William L., Sr. (See Greene, M. L., and Rhoads.)

Rhorer, Virginia W., Des Moines, Iowa. Elbow pad. 2,140,598; Dec. 20.

Richards, Frank G., assignor to John B. Stetson Company, Philadelphia, Pa. Crown and brim protector. 2,141,017; Dec. 20.

Richter, Edward, and E. L. Schofield, assignors to Henney Motor Company, Freeport, Ill. Side and rear delivery hearse. 2,141,092; Dec. 20.

Richter, Edward, and E. L. Schofield, assignors to Henney Motor Company, Freeport, Ill. Slidable seat. 2,141,093; Dec. 20.

Ridley, Ralph M. (See Ruther, F. R., and Ridley.)

Riebel, Frederick, Jr., and D. M. Dow, assignors to Air-Way Electric Appliance Corporation, Toledo, Ohio. Vacuum cleaner. 2,140,651; Dec. 20.

Ring, Joseph J., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Needle valve. 2,141,018; Dec. 20.

Ripley, Charles T., Wilmette, Ill. Packing retainer for journal boxes. 2,141,019; Dec. 20.

Roberts, Dudley, assignor to Rubatex Products, Inc., New York, N. Y. Gas expanded product. 2,140,552; Dec. 20.

Roberts, Glyn P., Birmingham, England, assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,140,971; Dec. 20.

Roberts, William T. B., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 2,140,652; Dec. 20.

Robertson, Benjamin G., assignor to Finishing Systems Incorporated, Louisville, Ky. Matched veneer stencil. 2,141,020; Dec. 20.

Rockwood, George H., Jr., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Grid controlled rectifier circuit. 2,140,922; Dec. 20.

Röhm & Haas Company. (See Sperr, Frederick W., Jr., assignor.)

Röhm, Robert, Pforzheim-Brotzingen, and L. Neidlein, Pforzheim, assignors, by mesne assignments, to N. Bernheimer, Karlsruhe, Baden, Germany. Multiple lead pencil. 2,140,653; Dec. 20.

Rohrbacher, Karl, Berlin, Germany. Method and device for feeding leaf-like workpieces to a separating device. 2,140,719; Dec. 20.

Rohrmann, Paul, Breslau, Germany. Convertible chair. 2,141,094; Dec. 20.

Rooke, Robert M., Jersey City, N. J., and F. C. Saacke, assignors to Air Reduction Company, Incorporated, New York, N. Y. Welding. 2,141,021; Dec. 20.

Rooth, Gunnar, Linkoping, Sweden. Device for packing sealing disks. 2,140,766; Dec. 20.

Rothrock, Ralph K. (See Thurber, Edward J., assignor.)

Rotter, Lutwin C., Glendale, assignor to Lincoln Engineering Company, St. Louis, Mo. Lubricating apparatus. 2,141,022; Dec. 20.

Rouan, Francis J. (See Wheeler, W. H., Jr., Ogden, and Rouan.)

Rozenbroek, Meindert D., Delden, Twente, Overijssel, assignor of one-half to Naamlooze Vennootschap Chemische Fabriek Servo, Delden, Netherlands. Wetting, cleaning, bleaching, foaming and dispersive agents for textile purposes and the like and application of the same. 2,140,882; Dec. 20.

Ruau, Félix Fréderic, Deptford, London, assignor to Molins Machine Company, Limited, London, England. Apparatus for severing an axially moving rod into lengths. 2,140,720; Dec. 20.

Rubatex Products, Inc. (See Roberts, Dudley, assignor.)

Rudquist, Carl A., deceased; by K. K. Rudquist, executrix, Lidingo, Sweden. Glow plug. 2,140,943; Dec. 20.

Rudquist, Karin K., executrix. (See Rudquist, Carl A.)

Rundell, Rupert E., Rockville Centre, assignor, by mesne assignments, to The American Tobacco Company, New York, N. Y. Tobacco stemmer. 2,140,721; Dec. 20.

Rustless Iron and Steel Corporation. (See Arness, William B., assignor.)

Ruther, Frank R., and R. M. Ridley, Whittier, Calif. Well casing perforator. 2,140,813; Dec. 20.

Ruttiman, Alfred, Gardner, assignor to The Alaska Freezer Co., Inc., Winchendon, Mass. Horizontal counter freezer. 2,141,045; Dec. 20.

Ryan, Maurice L., assignor of one-half to G. Douglas Brand, St. Paul, Minn. Attachment for windshield wipers. 2,141,023; Dec. 20.

Rylsky, Gregory V., New York, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Illuminating dials of instruments. 2,140,972; Dec. 20.

Rypinski, Albert B., Laurelton, Long Island, N. Y. Slow electromagnetic device having the same temperature coefficient of resistance materials in assisting windings. 2,140,553; Dec. 20.

S. C. K. Corporation. (See Scott, Albert B., assignor.)

Saacke, Frederick C. (See Rooke, R. M., and Saacke.)

Saegebarth, Erich. (See Terres, E., Moos, and Saegebarth.)

Sager, Solomon M., Hubbard Woods, Ill. Fountain pen ink guard and cap. 2,140,554; Dec. 20.

Saler, Jules N., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Liquid congealing apparatus. 2,140,923; Dec. 20.

Salfisberg, Leroy L., South Orange, assignor to Wrap-Ade Machine Company, Newark, N. J. Envelope forming machine. 2,140,599; Dec. 20.

Sandone, Joseph M., assignor of one-half to N. A. Bender, Chicago, Ill. Coat foundation and making same. 2,140,853; Dec. 20.

Sanford, Roy S., New York, N. Y., assignor to Bendix Products Corporation, South Bend, Ind. Shock absorber control mechanism. 2,140,767; Dec. 20.

Sanford, Roy S., New York, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,140,768; Dec. 20.

Sanitary District of Chicago, The. (See Palmieri, M., and Beck, assignors.)

Saponara, Dominick. (See Schneider, F. H., and Saponara.)

Sardik Incorporated. (See Cowgill, William W., assignor.)

Sather, Peter, Jr., Salt Lake City, Utah. Folding camp stove. 2,140,924; Dec. 20.

Satterlee, Howard A., Needham, assignor to Submarine Signal Company, Boston, Mass. Apparatus for controlling speed of winding machinery. 2,140,555; Dec. 20.

Satterlee, Howard A., Needham, assignor to Submarine Signal Company, Boston, Mass. Dial engraving machine. 2,140,556; Dec. 20.

Saurwein, Albert G. (See Graubner, H. G., and Saurwein.)

Schaefer, Frederic. (See Summerhays, Elmer M., assignor.)

Schering, A. G. (See Ziegler, Karl, assignor.)

Schienemann, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Amplitude and phase modulation. 2,140,769; Dec. 20.

Schirm, Erik, Dessau/Anhalt, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Azo dyes. 2,140,944; Dec. 20.

Schlenk, Fritz. (See Euler, H. V., Albers, and Schlenk.)

Schlenker, Max, La Salle, Ill., assignor to General Time Instruments Corporation, New York, N. Y. Automobile clock. 2,140,925; Dec. 20.

Schmidt, Karl, U. S. Navy. Airplane fabric attachment. 2,140,558; Dec. 20.

Schnebly, John P., Opportunity, Wash. Telescopic support for drills. 2,140,854; Dec. 20.

Schneider, Frank H., Royersford, and D. Saponara, Spring City, assignors to The Floyd-Wells Company, Royersford, Pa. Dual or combination range. 2,140,681; Dec. 20.

Schofield, Bernard R., assignor to Johnson Laboratories, Inc., Chicago, Ill. Electrical coupling device. 2,140,770; Dec. 20.

Schofield, Earl L. (See Richter, E., and Schofield.)

Schofield, John E. (See Coffey, S., and Schofield.)

Schulenburg, Edward J., Moline, Ill., assignor, by mesne assignments, to Eagle Signal Corporation, Newton, Mass. Signal control system. 2,141,046; Dec. 20.

Schulte, Johannes, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Gas and liquor treatment apparatus. 2,141,047; Dec. 20.

Schultz, William O., South Milwaukee, and A. G. Steinmayer, Milwaukee, assignors to Line Material Company, South Milwaukee, Wis. Electrical switch. 2,140,814; Dec. 20.

Schwab, Frederick W., San Francisco, Calif. Interest calculating machine. 2,141,048; Dec. 20.

Schwarz, Otto, assignor to R. Hoe & Co., Inc., New York, N. Y. Web supply mechanism. 2,140,557; Dec. 20.

Schweizerische Lokomotiv- und Maschinenfabrik. (See Nyffenegger, Hans, assignor.)

Scophony Limited, The. (See Jeffree, John H., assignor.)

Scott, Albert B., assignor to S. C. K. Corporation, Los Angeles, Calif. Automobile lamp. 2,140,855; Dec. 20.

Scott, Gordon A. (See Challenor, W. A. P., and Scott.)

Scott, Philip L., San Mateo, Calif., assignor to Super Diesel Tractor Corporation, La Porte, Ind. Injector. 2,140,600; Dec. 20.

Scott, Virgil. (See Whiles, Aubrey C., assignor.)

Scully, Frank P., Cambridge, and A. E. Mathey, Auburndale, assignors to Scully Signal Company, Cambridge, Mass. Audible signal device. 2,140,559; Dec. 20.

Scully Signal Company. (See Scully, F. P., and Mathey, assignors.)

Séailles, Jean C., Paris, France. Manufacturing alumina. 2,140,883; Dec. 20.

Sealkote Corporation. (See Lauter, Felix, assignor.)

Seeburg, J. P., Corporation. (See Kalbitzer, George W., Jr., assignor.)

Seidl, Anton, Chicago, Ill. Nest. 2,140,815; Dec. 20.

Seitz, Dean C., Lakewood, Ohio, assignor, by mesne assignments, to The Bastian-Blessing Company, Chicago, Ill. Beer dispenser. 2,140,816; Dec. 20.

Sentz, Paul L., Colfax, Calif. Poultry feeder. 2,140,856; Dec. 20.

Serriére, Jean, Chelles, France, assignor, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa. Successive electrical control of a series of devices. 2,140,601; Dec. 20.

Servel, Inc. (See Andersson, S. W. E., and Tornkvist, assignors.)

Shanklin Manufacturing Company. (See Horsley, James H., assignor.)

Shape, Oscar J., Minocqua, Wis. Oarlock sleeve. 2,140,884; Dec. 20.

Shealey, Harry M. (See Gray, R. B., and Shealey.)

Shell Development Company. (See Evans, Theodore, assignor.)

Sheppard, C. E., Co., The, et al. (See Sheppard, John W., assignor.)

Sheppard, John W., Larchmont, assignor of one-half to The C. E. Sheppard Co., Long Island City, N. Y., and of one-half to The Aetna Casualty & Surety Co., Hartford, Conn. Visible card index. 2,140,926; Dec. 20.

Shoan, Nels. (See Beckman, William R., assignor.)

Sieger, Maurice P. (See Talbot, H. H., and Sieger.)

Siemens & Halske, Aktiengesellschaft. (See Rassow, Horst, assignor.)

Siemens & Halske Aktiengesellechaft. (See Soldan, O., Panzerbieter, and Jörgensen, assignors.)

Sienz, Max. (See Eisenbrand, J., and Sienz.)

Simjian, Luther G., Riverside, Conn. Multiple pose photographic apparatus. 2,140,602; Dec. 20.

Skeen, John R., Philadelphia, Pa., assignor to The United Gas Improvement Company. Gas holder water treatment. 2,141,049; Dec. 20.

Skinner, M. B., Company. (See Merrill, P. D., and McMurray, assignors.)

Slater, Fred M., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Clamping device. 2,140,654; Dec. 20.

Slayter, Games, and H. W. Collins, assignors, by mesne assignments, to The Ingleside Company, Newark, Ohio. Building construction. 2,140,771; Dec. 20.

Slayter, Games, and H. W. Collins, assignors, by mesne assignments, to The Ingleside Company, Newark, Ohio. Flue. 2,140,773; Dec. 20.

Slayter, Games, and H. W. Collins, assignors, by mesne assignments, to The Ingleside Company, Newark, Ohio. Spline and connecter. 2,140,772; Dec. 20.

Sloan, Clarence J., East Cleveland, Ohio. Radio control device. 2,140,655; Dec. 20.

Smidth, Leonard, New York, assignor to Luco Products Corporation, Brooklyn, N. Y. Producing molding compositions. 2,140,560; Dec. 20.

Smidth, Leonard, New York, N. Y. Urea-formaldehyde condensation products. 2,140,561; Dec. 20.

Smith, Charles N., University City, Mo., and J. R. Willard.

Smith, Charles N., University City, Mo., and J. R. Willard, New Kensington, assignors to Aluminum Company of America, Pittsburgh, Pa. Shelf structure for refrigerators. 2,140,611; Dec. 20.

Smith, Gertrude L., Los Angeles, Calif. Hair curler. 2,140,857; Dec. 20.

Smith, Gertrude L., Los Angeles, Calif. Hair curling device. 2,140,858; Dec. 20.

Smith, Harry F., assignor to General Motors Corporation, Dayton, Ohio. Electrical apparatus. 2,141,050; Dec. 20.

Smith, Manville D., New York, N. Y. Book end construction. 2,140,656; Dec. 20.

Smith, Marshall A., Jr., assignor to Bendix Aviation Corporation, South Bend, Ind. Variable pitch propeller. 2,140,722; Dec. 20.

Smith, Percy C., Chicago, Ill. Coin counting machine. 2,140,603; Dec. 20.

Smith Separator Corporation. (See McKeever, Roy S., assignor.)

Smith, Thomas B., Pinewood, S. C. Soot trap. 2,140,973; Dec. 20.

Snavely, Clarence S., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 2,140,604; Dec. 20.

Snow, Frank, Brooklyn, N. Y. Meter tester. 2,140,562; Dec. 20.

Société Anonyme: Etablissements Ed. Jaeger. (See Reutter, Jean-Léon, assignor.)

Société Générale Métallurgique de Hoboken. (See Leemans, Joseph P., assignor.)

Soldan, Otto, Falkensee, near Berlin, and H. Panzerbieter and B. Jörgensen, Berlin-Siemensstadt, assignors to Siemens & Halske Aktiengesellschaft, Wernerwerk Siemensstadt, near Berlin, Germany. Telephone transmitter. 2,140,859; Dec. 20.

Sorensen, Henry P., Detroit, Mich. Nut lock. 2,141,071; Dec. 20.
Soulis, Harold A., Easton, Pa. Combined highway and rail vehicle axle. 2,140,885; Dec. 20.
Spear & Susskind. (See Morville, Amedeo, assignor.)
Spencer, Douglas A. (See Murray, H. D., and Spencer.)
Sperr, Frederick W., Jr., Vineland, N. J., assignor to Röhm & Haas Company, Philadelphia, Pa. Recovery of hydrocyanic acid. 2,140,605; Dec. 20.
Sperry Gyroscope Company. (See Watkins, Frederic M., assignor.)
Sperry-Sun Well Surveying Company. (See Kothny, Gottdank L., assignor.)
Spicer, Clarence W., assignor to Spicer Manufacturing Corporation, Toledo, Ohio. Self-protecting clutch and drive mechanism. 2,140,723; Dec. 20.
Spicer Manufacturing Corporation. (See Spicer, Clarence W., assignor.)
Sponsler, John M., Birmingham, Ala. Ship construction. 2,140,774; Dec. 20.
Springall, Ramona D., administratrix. (See Springall, Raymond J.)
Springall, Raymond J., deceased, by R. D. Springall, administratrix, Sacramento, Calif., now by judicial decree to R. D. Springall, widow. Soldering iron heater. 2,140,817; Dec. 20.
Squibb, E. R., & Sons. (See Christiansen, W. G., and Moness, assignors.)
Staats, Franklin E., assignor to Staats Hydraulic Appliance, Inc., Peoria, Ill. Hydraulic clutch. 2,140,886; Dec. 20.
Staats Hydraulic Applicance, Inc. (See Staats, Franklin E., assignor.)
Stadub, Stephen, Brooklyn, N. Y. Pressing machine for collars. 2,141,051; Dec. 20.
Staley, Joseph H., assignor to Electric Switch Corporation, Columbus, Ind. Time cycle controller. 2,141,024; Dec. 20.
Star Expansion Belt Company. (See Mushet, James C., assignor.)
Steele, Lawrence C., Union, W. Va. Polisher for rolling mills. 2,140,860; Dec. 20.
Stefan, Joseph A., Comstock, N. Y. Sinker. 2,140,724; Dec. 20.
Stein, Louis H., assignor to Aetna Ball Bearing Manufacturing Company, Chicago, Ill. Antifriction bearing. 2,140,818; Dec. 20.
Steinmayer, Alwin G. (See Schultz, W. O., and Steinmayer.)
Steketee, Peter, Holland, Mich. Support for electrical fixtures and the like. 2,140,861; Dec. 20.
Stephano, Constantine S., Elkins Park, Pa. Adhesive applicator. 2,141,052; Dec. 20.
Stern-Brown, Inc. (See Perry, Edward D., assignor.)
Stern, Sander, New York, N. Y. Educational apparatus. 2,140,563; Dec. 20.
Stetson, John B., Company. (See Richards, Frank G., assignor.)
Stickles, Howard E., Toledo, Ohio. Traction control. 2,140,606; Dec. 20.
Stoner, Frank, Lakewood, assignor to The Baker-Raulang Company, Cleveland, Ohio. Motor control. 2,140,564; Dec. 20.
Stose, Harold F., assignor to Vulcan Corporation, Portsmouth, Ohio. Composition heel. 2,140,819; Dec. 20.
Strauss, Mortimer L., Cleveland Heights, Ohio. Coating composition and preparing same. 2,140,657; Dec. 20.
Strauss, William, Philadelphia, Pa. Closing piston rings. 2,140,682; Dec. 20.
Streeter-Amet Company. (See Haegele, Otto P., assignor.)
Strezynski, George J., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Centrifugal bowl. 2,141,025; Dec. 20.
Submarine Signal Company. (See Satterlee, Howard A., assignor.)
Summerhays, Elmer M., Warren, Ohio, assignor to F. Schaefer, Pittsburgh, Pa. Connecting pin. 2,140,820; Dec. 20.
Sumner, Robert, Washington, R. I. Plant pot holder. 2,140,862; Dec. 20.
Sunesson, Erik B. F., Skoghall, assignor to Uddeholms Aktiebolag, Uddeholm, Sweden. Producing a pure white cellulose. 2,140,863; Dec. 20.
Super Diesel Tractor Corporation. (See Scott, Philip L., assignor.)
Superheater Company, The. (See Frank, Herbert, assignor.)
Surface Combustion Corporation. (See Cone, Carroll, assignor.)
Svenson, Ernest J., Rockford, Ill. Material working apparatus. 2,140,565; Dec. 20.
Swartz, William L., Wethersfield, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Firearm balancer. 2,140,945; Dec. 20.
Swartz, William L., Wethersfield, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Firearm. 2,140,946; Dec. 20.
Sweets Laboratories, Inc. (See Canning, Charles V., assignor.)
Szody, Stephen B. (See David, E., and Szody.)
Taglabue, Charles J., Mfg. Co. (See Irwin, Lawrence C., assignor.)
Talbot-Crosbie, John B., and A. P. S. Macquisten, Glasgow, Scotland. Production of ammunition shells. 2,140,775; Dec. 20.
Talbot, Howard H., and M. P. Sieger, assignors to United Engineering & Foundry Company, Pittsburgh, Pa. Strip uncoiler. 2,140,928; Dec. 20.
Talbot, Howard H., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Rolling mill. 2,140,929; Dec. 20.
Tappan Stove Company, The. (See Hoff, John G., assignor.)
Tarleton, Frederic L., assignor to General Motors Corporation, Dayton, Ohio. Motor-compressor unit for refrigerating apparatus. 2,141,053; Dec. 20.
Taylor, Elmer H., assignor to The Chase-Shawmut Company, Newburyport, Mass. Fuse soldering mechanism. 2,140,864; Dec. 20.
Taylor, Harry. (See McGill, A., and Taylor.)
Taylor, William I., and L. B. Gibbins, Spondon, near Derby, England, assignors to Celanese Corporation of America. Apparatus for converting continuous filaments into products containing staple fiber. 2,140,566; Dec. 20.
Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H. (See Schienemann, Rudolph, assignor.)
Tennant, William C., Moundsville, W. Va. Shade and rod fixture. 2,141,095; Dec. 20.
Terres, Ernst, Berlin, Germany, J. Moos, New York, and E. Saegebarth, Jackson Heights, N. Y., assignors to Edeleanu Gesellschaft, m. b. H. Refining hydrocarbon oils by means of halogen compounds. 2,141,143; Dec. 20.
Texas Company, The. (See Poole, William C., assignor.)
Thompson, William K., Woodbridge, N. J., assignor to The American Metal Company, Limited, New York, N. Y. Method of and apparatus for casting deoxidized copper. 2,140,607; Dec. 20.
Thurber, Edward J., assignor of one-half to R. K. Rothrock, New Orleans, La. Gear shifting mechanism. 2,141,096; Dec. 20.
Timken Roller Bearing Company, The. (See Boden, Ernest G., assignor.)
Timken Roller Bearing Company, The. (See Heck, Fred R., assignor.)
Timken Roller Bearing Company, The. (See Wooler, E., and Baker, assignors.)
Tinnerman, Albert H. (See Tinnerman, George A., assignor.)
Tinnerman, George A., Rocky River, assignor to A. H. Tinnerman, Cleveland, Ohio. Metallic molding construction and the like. 2,140,887; Dec. 20.
Tookonsian, Persak, assignor of fifteen per cent to H. E. Kouzian, Detroit, Mich. Copper alloy. 2,141,054; Dec. 20.
Tornkvist, Ivar. (See Andersson, S. W. E., and Tornkvist.)
Townsend, Leonard G., Washington, D. C. Apparatus for making and/or utilizing photo records. 2,140,567; Oct. 20.
Townend, Robert V. (See Haynes, C. R., Clayton, and Townend.)
Traube, Wilhelm, Berlin, Germany, assignor of three-sevenths to N. V. Allgemeene Chemische en Technische Maatschappij "Achetem", The Hague, Netherlands. Production of cellulose derivatives. 2,140,568; Dec. 20.
Trautner, Wagn, Springdale, Ohio, assignor to E. H. Kueffer, Oakland, Calif. Pilot light assembly. 2,141,115; Dec. 20.
Treacy, Cyril S., Scarsdale, assignor to United Research Corporation, Long Island City, N. Y. Hermetic seal for light-sensitive material. 2,140,725; Dec. 20.
Trible, Winthrop. (See Haas, F. S., and Trible.)
Trimble Nursery-Land Furniture, Inc. (See Baxter, William C., assignor.)
Trisler, Milton A., Dearborn, Mich., assignor to Bendix Products Corporation, South Bend, Ind. Carburetor. 2,140,776; Dec. 20.
Tuttle & Bailey, Inc. (See Hart, Stanley, assignor.)
Tuttle, John H., assignor to Checker Cab Manufacturing Corporation, Kalamazoo, Mich. Ventilator operating mechanism. 2,140,865; Dec. 20.
Twin Disc Clutch Company. (See Dunkelow, Henry J., assignor.)
Twyman, William G., Poteau, Okla. Corn popper. 2,140,888; Dec. 20.
Tyrrell, Claude U., Pasadena, Calif. Toy glider. 2,140,821; Dec. 20.
Tytus, John B., and E. N. Millan, assignors to The American Rolling Mill Company, Middletown, Ohio. Slabbing mill assembly. 2,140,822; Dec. 20.
U. M. A. Inc. (See Collens, W. S., Wilensky, and Kroll, assignors.)
Uddeholms Aktiebolag. (See Sunesson, Erik B. F., assignor.)
Ufer, Hanns, and O. Hecht, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of organic sulphur compounds. 2,140,569; Dec. 20.
Ufer, Hanns, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengeselischaft, Frankfort-on-the-Main, Germany. Organic sulphoxides and sulphones and process of preparing them. 2,140,608; Dec. 20.

Ufer, Hanns, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of sulphone-ethylamines. 2,140,609; Dec. 20.
Umphres, Thomas J., George West, Tex. Derrick pipe rack. 2,141,097; Dec. 20.
Union Carbide and Carbon Corporation. (See Doolittle, Arthur K., assignor.)
Union Carbide and Carbon Research Laboratories, Inc. (See Franks, Russell, assignor.)
Union Carbide and Carbon Corporation. (See Graubner, H. G., and Saurwein, assignors.)
Union Switch & Signal Company, The. (See Dodd, Arthur E., assignor.)
Union Switch & Signal Company, The. (See Fisher, A. W., and Wells, assignors.)
Union Switch and Signal Company, The. (See Serriére, Jean, assignor.)
Union Switch & Signal Company, The. (See Snavely, Clarence S., assignor.)
Union Switch & Signal Company, The. (See Young, Henry S., assignor.)
United Engineering & Foundry Company. (See Talbot, Howard H., assignor.)
United Engineering & Foundry Company. (See Talbot, H. H., and Sieger, assignors.)
United Gas Improvement Company, The. (See Skeen, John R., assignor.)
United Research Corporation. (See Treacy, Cyril S., assignor.)
United Shoe Machinery Corporation. (See Bancroft, William H., assignor.)
United Shoe Machinery Corporation. (See Lawson, Axel A., assignor.)
United Shoe Machinery Corporation. (See Pym, Charles F., assignor.)
United Shoe Machinery Corporation. (See Roberts, William T. B., assignor.)
U. S. Slicing Machine Company. (See van Berkel, Wilhelmus A., assignor.)
University of Louisville. (See Vernon, Clarence C., assignor.)
Upson Brothers, Inc. (See Velepec, Rudolph J., assignor.)
Vallé, Paul B., assignor to The Connecticut Hard Rubber Company, New Haven, Conn. Tampon applicator. 2,141,026; Dec. 20.
Van Ackeren, Paul, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Gas producer. 2,141,116; Dec. 20.
Van Berkel, Wilhelmus A., Clarens, Montreux, Switzerland, assignor to U. S. Slicing Machine Company, La Porte, Ind. Knife sharpening device. 2,141,055; Dec. 20.
Van Sittert, Paul, Cleveland Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Riveting machine. 2,140,658; Dec. 20.
Van Voorhis, William G., assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio. Roadside trencher. 2,140,823; Dec. 20.
Velepec, Rudolph J., assignor to Upson Brothers, Inc., Rochester, N. Y. Screw driver. 2,141,072; Dec. 20.
Vernacol Film Syndicate Limited, The, et al. (See Murray, H. D., and Spencer, assignors.)
Vernon, Clarence C., assignor to University of Louisville, Louisville, Ky. Hydroxy-alkyl ethers of phenyl phenols. 2,140,824; Dec. 20.
Vernon, Miles H., et al. (See Quick, Raymond B., assignor.)
Vock, William A., Long Beach, Calif. Kelly bushing. 2,140,659; Dec. 20.
Vogt, Hans, Berlin-Steglitz, Germany, assignor to Micro Products Corporation, Hastings on Hudson, N. Y. Producing magnetic powder. 2,140,889; Dec. 20.
Vulcan Corporation. (See Stose, Harold F., assignor.)
Wagner, Clyde P., and C. E. Allen, Joplin, Mo. Traveling shelf or article carrier for truck bodies. 2,140,974; Dec. 20.
Wahlstrom, Evald O., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Hollow strand terminal. 2,141,098; Dec. 20.
Waitekaites, Joseph J., Stambaugh, Mich. Window. 2,140,890; Dec. 20.
Walters, Oswin K., Allentown, Pa. Fracture frame. 2,141,099; Dec. 20.
Warden, Charles A., Kimball, W. Va., assignor to Portable Lamp & Equipment Company, Pittsburgh, Pa. Splint stretcher board. 2,141,100; Dec. 20.
Warner, George C., La Porte, Ind., assignor to De Luxe Products Corporation. Cartridge winding machine. 2,141,144; Dec. 20.
Warshaw, Nathan, Brooklyn, N. Y. Photograph mounting. 2,140,660; Dec. 20.
Watkins, Frederic M., Forest Hills, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Positional control system. 2,141,056; Dec. 20.
Webster, Samuel B., Blawnox, Pa. Die rolling. 2,141,101; Dec. 20.
Wedmore, Edmund B. (See Whitney, W. B., and Wedmore.)
Weiss, Howard F., Madison, Wis., assignor, by mesne assignments, to Burgess Battery Company, Chicago, Ill. Communication booth. 2,141,117; Dec. 20.
Welch, Paul V., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,140,930; Dec. 20.
Welch, William T., Westfield, N. Y. Clutch mechanism. 2,140,975; Dec. 20.
Weller, John, West Horsley, England. Tensioning device for chains. 2,141,118; Dec. 20.
Wellford, Walker L., Jr. (See Leonard, J. W., Butterworth, and Wellford.)
Wells, Wesley B. (See Fisher, A. W., and Wells.)
Wenk, Henry L. C., Jr., Jamaica, N. Y. Bag seal. 2,140,777; Dec. 20.
Western Electric Company. (See Wright, E. P. G., Hartley, and Wyndham, assignors.)
Western Union Telegraph Company, The. (See Howe, P. J., and Wyss, assignors.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Air Brake Company, The. (See Fitch, Ellery R., assignor.)
Westinghouse Air Brake Company. (See Hewitt, Ellis E., assignor.)
Westinghouse Air Brake Company. (See McCune, Joseph C., assignor.)
Westinghouse Air Brake Company, The. (See Miller, Raymond E., assignor.)
Westinghouse Air Brake Company, The. (See Newell, George K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Allen, Howard E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Foresman, Robert A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Saler, Jules N., assignor.)
Westinghouse Electric & Manufacturing Company. (See Zworykin, Vladimir K., assignor.)
Wetzel, Guy N., assignor of one-half to H. A. Bloom, Columbus, Ohio. Inking device. 2,141,073; Dec. 20.
Wheeler, Walter H., Jr., Stamford, J. W. Ogden, Springdale, and F. J. Rouan, assignors to Pitney-Bowes Postage Meter Co., Stamford, Conn. Omni value stamping device. 2,141,119; Dec. 20.
Whiles, Aubrey C., assignor of forty-nine per cent to V. Scott, Mount Helix, Calavo Gardens, Calif. Gas compressor. 2,141,057; Dec. 20.
White, Henry, Waynesburg, Pa. Coasting sled. 2,140,976; Dec. 20.
White, John W., assignor to Bendix Products Corporation, South Bend, Ind. Hydraulic brake. 2,140,778; Dec. 20.
Whitehall Patents Corporation. (See Marinsky, Davis, assignor.)
Whitney, Willis B., and E. B. Wedmore, assignors to The British Electrical & Allied Industries Research Association, London, England. Electrical circuit interrupter. 2,141,120; Dec. 20.
Whitten, Noah L. (See King, J. L., and Whitten.)
Whyte, John, assignor to Electric Household Utilities Corporation, Chicago, Ill. Impeller for washing machines. 2,140,866; Dec. 20.
Widdas, Stanley S., Cardiff, Wales. Rail chair. 2,140,683; Dec. 20.
Wiesman, William A., Dayton, Ohio. Cover for leader pins. 2,141,027; Dec. 20.
Wild, Wilhelm, and F. Liesceberg, Ludwigshafen-on-the-Rhine, Germany. Alkali metal and ammonium nitrates. 2,140,726; Dec. 20.
Wilensky, Nathan D. (See Collens, W. S., Wilensky, and Kroll.)
Willard, John R. (See Smith, C. N., and Willard.)
Willard, John R., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Making a shelf structure for refrigerators. 2,140,610; Dec. 20.
Willett, Arthur L., Denver, Colo. Self-latching milk bottle box. 2,140,779; Dec. 20.
Williams, George B., Rockford, assignor to L. J. Miley Company, Chicago, Ill. Brake shoe and making the same. 2,140,727; Dec. 20.
Williams, Jack L. (See Chamberlain, L. C., Jr., Amos, and Williams.)
Williams, Jack L. (See Chamberlain, L. C., Jr., Williams, and Blue.)
Wilmot, Charles H., assignor to Hatfield Wire & Cable Company, Hillside, N. J. Strain relief for electrical appliance cords. 2,140,867; Dec. 20.
Wilson, H. A., Company, The. (See Peterson, Chester, assignor.)
Wimmer, William A., Long Beach, Calif. Brake. 2,140,780; Dec. 20.
Winkelmann, Herbert A., assignor to Marbon Corporation, Chicago, Ill. Benzoyl benzoic ester plasticized composition. 2,140,868; Dec. 20.
Winthrop Chemical Company. (See Eisenbrand, J., and Slenz, assignors.)
Wirt, Zebulon. (See McGinnis, W., and Wirt.)
Wood, John, Manufacturing Company. (See Bradley, E. H., and Brouse, assignors.)
Wooler, Ernest, and J. B. Baker, assignors to The Timken Roller Bearing Company, Canton, Ohio. Cushioned roller bearing and mounting. 2,141,145; Dec. 20.
Wrap-Aide Machine Company. (See Salfisberg, Leroy L., assignor.)

Wright, Esmond P. G., G. C. Hartley, and P. I. Wyndham, London, England, assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 2,140,931; Dec. 20.
Wright, Robert T., Lake Bluff, Ill. Clutch. 2,140,869; Dec. 20.
Wyndham, Paul I. (See Wright, E. P. G., Hartley, and Wyndham.)
Wyss, Clement H., Jr. (See Howe, P. J., and Wyss.)
Yale & Towne Manufacturing Company, The. (See Goehring, William E., assignor.)
Young, Charles A., Gloucester, Mass. Sachet compressor. 2,140,661; Dec. 20.
Young, Henry S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,141,074; Dec. 20.
Young, William, Washington, D. C. Door securing mechanism. 2,140,570; Dec. 20.
Zabel, Rolland M., Lynnfield, assignor to Hygrade Sylvania Corporation, Salem, Mass. Contactor base for lamps, tubes, and the like. 2,141,146; Dec. 20.
Zarafu, Herman, West New York, assignor to Elevator Supplies Company, Incorporated, Hoboken, N. J. Wire spooling apparatus and tension varying element. 2,140,728; Dec. 20.
Zeiss Ikon Aktiengesellschaft. (See Bertele, Ludwig, assignor.)
Zeiss Ikon Aktiengesellschaft. (See Görlich, Paul, assignor.)
Zeman, Antoinette W., Cleveland, Ohio. Support for ashtrays. 2,140,612; Dec. 20.
Ziegler, Karl, Heidelberg, assignor to Schering A. G., Berlin, Germany. Producing substituted alkali metal amides. 2,141,058; Dec. 20.
Zinsser, William, & Co. (See Haynes, C. R., Clayton, and Townend, assignors.)
Zückert, Richard, Bohmisch-Budweis, assignor to the firm "Koh-i-noor" tužkarna L. & C. Hardtmuth, Ces. Budejovice, Czechoslovakia. Roasting pencil leads. 2,140,825; Dec. 20.
Zuschlag, Theodor, West Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y. Electrical measurement. 2,140,662; Dec. 20.
Zworykin, Vladimir K., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Television system. 2,141,059; Dec. 20.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 20TH DAY OF DECEMBER, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Distillation, Process and apparatus for pressure. D. G. Brandt. Re. 20,951; Dec. 20.
Ice shaving machine. R. R. Smith. Re. 20,952; Dec. 20.
Silk, etc., of mat appearance, Forming artificial. J. J. Stoeckly and E. Witte. Re. 20,953; Dec. 20.

LIST OF DESIGN INVENTIONS

Agitator, Washing machine. J. B. Kirby. 112,658; Dec. 20.
Ashtray. F. Lang. 112,641; Dec. 20.
Basket or like article. A. W. Planeta. 112,645; Dec. 20.
Bicycle. E. W. Baxter. 112,593; Dec. 20.
Bottle. H. C. Berkowitz. 112,632; Dec. 20.
Bottle, Perfume. J. Guerin. 112,638; Dec. 20.
Bowl or analogous article. K. Kato. 112,606; Dec. 20.
Box, Cosmetic. A. B. Barnhart. 112,650; Dec. 20.
Brush, Hand. M. H. Partridge. 112,662–3; Dec. 20.
Cabinet, Amusement game. J. F. Meyer. 112,644; Dec. 20.
Cage, Bird. E. W. Little. 112,609; Dec. 20.
Canister, Windowed. R. S. Hirschland. 112,656; Dec. 20.
Cap, Pouring spout. L. F. Werner. 112,649; Dec. 20.
Case, Clock. L. I. Bruce. 112,594–6; Dec. 20.
Case, Cosmetic. A. B. Barnhart. 112,651; Dec. 20.
Case, Toothpick. T. L. Keough. 112,640; Dec. 20.
Chair. F. C. Castelli. 112,597; Dec. 20.
Clip for sanitary garments. J. D. Farkas. 112,603; Dec. 20.
Clock. R. Magro. 112,610; Dec. 20.
Clock. D. B. Marshall. 112,611–12; Dec. 20.
Clock, Advertising. H. Yonofsky and H. Thorstensen. 112,627; Dec. 20.
Coat. A. Shotland. 112,668; Dec. 20.
Coin control device. K. C. Shyvers. 112,620; Dec. 20.
Coin control device and mounting therefor, Combination. K. C. Shyvers. 112,621; Dec. 20.
Container or similar article, Metallic. F. D. Goll and J. K. Wareham. 112,636; Dec. 20.
Corn popping machine. C. J. Cretors. 112,598; Dec. 20.
Dial, Clock. E. L. Kelley. 112,607; Dec. 20.
Dress. B. Kessler. 112,657; Dec. 20.
Dress. H. Lentini. 112,659; Dec. 20.
Dress. M. M. Levine. 112,660; Dec. 20.
Dress. B. Pearlman. 112,664; Dec. 20.
Dress. P. A. Santoro. 112,665; Dec. 20.
Dress. E. Sheil. 112,667; Dec. 20.
Dress. H. W. Snyder. 112,669–70; Dec. 20.
Dress. M. White. 112,673; Dec. 20.
Dress ensemble. J. Goldberg. 112,654; Dec. 20.
Dress or similar article. L. Helms. 112,655; Dec. 20.
Dress, Skating. M. Weisser. 112,672; Dec. 20.
Drier, Photo print. H. Schwartzmann. 112,619; Dec. 20.
Drill, Radial. L. L. Schauer. 112,666; Dec. 20.
Fabric or similar article, Textile. M. Turpan. 112,648; Dec. 20.
Fabric, Textile. G. Megibow. 112,643; Dec. 20.
Fabric, Textile. M. L. Spirn. 112,671; Dec. 20.
Flashlight, Pocket. I. L. Ferris. 112,635; Dec. 20.
Holder, Flower. A. C. de Angelis and J. P. Croasdale, Jr. 112,599; Dec. 20.
Holder, Price card. M. A. Pearson. 112,615; Dec. 20.
Jar. F. N. Lewis. 112,642; Dec. 20.
Juice extractor, Fruit. W. Cecil. 112,652; Dec. 20.
Lace insertion. J. Englander. 112,653; Dec. 20.
Lacing, Shoe. B. L. Wales. 112,626; Dec. 20.
Lamp, Floor. E. Altaire. 112,630; Dec. 20.
Lamp, Floor. J. Higgins. 112,639; Dec. 20.
Lamp, Street. H. R. Robinson and A. J. C. Knudstrup. 112,646; Dec. 20.
Lamp, Table. E. Altairs. 112,631; Dec. 20.
Lighting fixture. G. C. Devol, Jr. 112,634; Dec. 20.
Marker, Grave. L. Shultz. 112,617; Dec. 20.
Mount plate for supply rolls. F. G. Steiner. 112,622; Dec. 20.
Musical instrument similar to an ocarina. Z. Swanson. 112,623; Dec. 20.
Opener, Can. M. J. Zimmer. 112,628; Dec. 20.
Photo flash unit or similar article. O. K. Cazin. 112,633; Dec. 20.
Plaque or the like. W. C. Egan and N. F. Deighan. 112,602; Dec. 20.
Receptacle, Ash. G. A. Greier. 112,637; Dec. 20.
Ring, Finger. M. Kahn. 112,605; Dec. 20.
Sandal, Adjustable vamp. C. Zohlman. 112,629; Dec. 20.
Screw driver. R. J. Velepec. 112,592; Dec. 20.
Shoe. H. B. Delman. 112,600–1; Dec. 20.
Shoe. A. D. Levine. 112,608; Dec. 20.
Shoe or similar article. S. Troy. 112,624; Dec. 20.
Shoe or similar article. A. E. Wagman. 112,625; Dec. 20.
Spoon or similar article, Measuring. T. Pratt and R. Schumacher, Jr. 112,616; Dec. 20.
Stocking tube. D. Lewis. 112,661; Dec. 20.
Sunglasses. E. S. Payne. 112,614; Dec. 20.
Sweeper, Carpet. J. R. Morgan. 112,613; Dec. 20.
Tray. W. Garten. 112,604; Dec. 20.
Vehicle body. G. Russo. 112,647; Dec. 20.
Watchcase. P. A. Schwankhaus. 112,618; Dec. 20.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 20TH DAY OF DECEMBER, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading device. R. T. Ecklund and P. C. Neilsen. 2,140,831; Dec. 20.
Abrasive articles, Producing. E. S. Merriam. 2,141,155; Dec. 20.
Acceleration and deceleration controller. J. C. McCune. 2,140,640; Dec. 20.
Acceleration controller. E. E. Hewitt. 2,140,641; Dec. 20.
Acetylene, Chlorination of. J. H. Reilly. 2,140,551; Dec. 20.
Acid, Recovery of hydrocyanic. F. W. Sperr, Jr. 2,140,605; Dec. 20.
Addition products of acetylene and alcohol and producing them. J. A. Nieuwland, G. F. Hennion, and D. B. Killian. 2,140,713; Dec. 20.
Advertising apparatus. L. P. Linden. 2,140,678; Dec. 20.
Agitating mechanism. J. F. Reedy. 2,140,970; Dec. 20.
Air chuck. J. C. Crowley. 2,141,033; Dec. 20.
Air conditioning. L. W. Child. 2,140,829; Dec. 20.
Air conditioning device. A. W. Conley. 2,140,618; Dec. 20.
Air deflecting device. S. Hart. 2,140,935; Dec. 20.
Airplane construction. F. M. Bellanca. 2,140,783; Dec. 20.
Airplane fabric attachment. K. Schmidt. 2,140,558; Dec. 20.
Alkali metal amides, Producing substituted. K. Ziegler. 2,141,058; Dec. 20.
Alkali metal and ammonium nitrates. W. Wild and F. Lieseberg. 2,140,726; Dec. 20.
Alloy: *See*—
Copper alloy.
Alloy. A. W. Peterson. 2,141,156; Dec. 20.
Alumina, Manufacturing. J. C. Séailles. 2,140,883; Dec. 20.
Amplitude and phase modulation. R. Schienemann. 2,140,769; Dec. 20.
Anchor, Bolt. J. C. Mushet. 2,140,919; Dec. 20.
Anchor, Earth. T. K. Cummins. 2,141,034; Dec. 20.
Anodes for rectifiers provided with control electrodes, Arrangement of two or more. M. Demontvignier. 2,140,736; Dec. 20.
Antifriction bearing. L. H. Stein. 2,140,818; Dec. 20.
Apparatus for controlling speed of winding machinery. H. A. Satterlee. 2,140,555; Dec. 20.
Applicator, Adhesive. C. S. Stephano. 2,141,052; Dec. 20.
Applicator, Tampon. P. B. Vallé. 2,141,026; Dec. 20.
Articles of ceramic bonded granular material, Making. C. H. Quick and M. F. Beecher. 2,140,650; Dec. 20.
Attachment for lineman's grip. E. R. Harry. 2,140,837; Dec. 20.
Audible electrical signal. A. C. Gaynor. 2,140,577; Dec. 20.
Automatic loom. J. C. Brooks. 2,140,893; Dec. 20.
Automobile body. A. Paranzino. 2,140,968; Dec. 20.
Automobile lamp. A. B. Scott. 2,140,855; Dec. 20.
Averaging device. H. E. Gray. 2,140,579; Dec. 20.
Axle, Combined highway and rail vehicle. H. A. Soulis. 2,140,885; Dec. 20.
Axle gear in motor vehicles, Arrangement and mounting of the. M. Klavik. 2,140,876; Dec. 20.
Azo compounds and coloring therewith. J. B. Dickey. 2,140,987; Dec. 20.
Azo compounds and coloring therewith. J. C. McNally and J. B. Dickey. 2,140,539; Dec. 20.
Azo compounds and dyeing therewith. J. G. McNally and J. B. Dickey. 2,140,536; Dec. 20.
Azo compounds and process for coloring therewith. J. G. McNally and J. B. Dickey. 2,140,537; Dec. 20.
Band, Film reel. J. G. Kemptgen. 2,141,109; Dec. 20.
Barrel drier. J. W. Leonard, W. R. Butterworth, Jr., and W. L. Wellford, Jr. 2,140,841; Dec. 20.
Base for lamps, tubes, and the like, Contactor. R. M. Zabel. 2,141,146; Dec. 20.
Bathtub and dressing table, Combination. W. C. Baxter. 2,140,685; Dec. 20.
Battery filler. A. W. Bortz. 2,140,951; Dec. 20.
Battery filling device, Storage. C. M. Bolich. 2,141,079; Dec. 20.
Bearing: *See*—
Antifriction bearing. Roller bearing.
Bearing and mounting, Cushioned roller. E. Wooler and J. B. Baker. 2,141,145; Dec. 20.
Beehive frontal enclosure. R. R. Meyer. 2,140,964; Dec. 20.
Beer cooling and dispensing apparatus. S. R. Hirsch. 2,140,744; Dec. 20.
Beer dispenser. D. C. Seitz. 2,140,816; Dec. 20.

Benches, Means for driving tube drawing. F. Kocks. 2,140,633; Dec. 20.
Benzene, Chlorination of. J. H. Reilly. 2,140,550; Dec. 20.
Benzoic ester plasticized composition, Benzoyl. H. A. Winkelmann. 2,140,868; Dec. 20.
Binding, Ski. M. S. Merrill. 2,140,757; Dec. 20.
Bis (2,3-hydroxy-naphthoyl-m-amino-phenyl) urea. S. Coffey and J. E. Schofield. 2,140,495; Dec. 20.
Bit and holder therefor, Triple adjustment shankless tool. E. Reaney. 2,140,941; Dec. 20.
Board: *See*—
Splint stretcher board.
Bobbin. J. L. Deters. 2,140,497; Dec. 20.
Boiler. C. W. Brabbée and B. Goerg. 2,141,123; Dec. 20.
Book end construction. M. D. Smith. 2,140,656; Dec. 20.
Bookholder, Adjustable. F. J. Marseglia. 2,140,805; Dec. 20.
Booth, Communication. H. F. Weiss. 2,141,117; Dec. 20.
Bottle washing apparatus. S. E. Lannmark. 2,140,589; Dec. 20.
Bowl, Centrifugal. G. J. Strezynski. 2,141,025; Dec. 20.
Box: *See*—
Milk bottle box.
Bracket: *See*—
Clamp bracket. Combination ladder bracket.
Door check bracket.
Brake: *See*—
Hydraulic brake. Shoe brake.
Magnetic track brake. Speed controlled brake.
Roller skate brake.
Brake. V. Bendix. 2,140,731; Dec. 20.
Brake. E. G. Carroll. 2,140,733; Dec. 20.
Brake. R. A. Goepfrich. 2,140,741–2; Dec. 20.
Brake. V. W. Kliesrath. 2,140,750; Dec. 20.
Brake. L. E. La Brie. 2,140,752–3; Dec. 20.
Brake. G. P. Roberts. 2,140,971; Dec. 20.
Brake. R. S. Sanford. 2,140,768; Dec. 20.
Brake. W. A. Wimmer. 2,140,780; Dec. 20.
Brake bands and lining, Fitting. M. E. Hatchman. 2,140,580; Dec. 20.
Brake equipment, High speed. C. C. Farmer. 2,140,620; Dec. 20.
Brake, shoe and making the same. G. B. Williams. 2,140,727; Dec. 20.
Braking mechanism. N. S. Reynolds. 2,140,597; Dec. 20.
Brew, Method and apparatus for cooling. J. M. Bruce. 2,140,895; Dec. 20.
Brick bond gauge. J. Palmer. 2,140,714; Dec. 20.
Bridge, Automatic up and down. I. N. Clark. 2,141,030; Dec. 20.
Bucket, Minnow. C. E. Marsh. 2,140,962; Dec. 20.
Building construction. G. Slayter and H. W. Collins. 2,140,771; Dec. 20.
Building material and producing the same. M. Palmieri and A. J. Beck. 2,140,850; Dec. 20.
Burner ignition control, Fluid fuel. I. E. McCabe. 2,140,708; Dec. 20.
Burr moving machine. H. W. Haynes. 2,141,135; Dec. 20.
Bushing, Kelly. W. A. Vock. 2,140,659; Dec. 20.
Cabinet: *See*—
Ironing machine cabinet.
Cable strand, Bridge. J. F. Howe and M. W. Reed. 2,141,138; Dec. 20.
Cable stripper. V. C. Huff. 2,141,002; Dec. 20.
Camphor, Refining. L. C. Holt and G. Etzel. 2,140,872; Dec. 20.
Caps, Packaging electric blasting. D. D. Huyett. 2,140,746; Dec. 20.
Carbon, Intensive electric arc. J. Parisot. 2,140,881; Dec. 20.
Carburetor. G. W. Baker. 2,140,948; Dec. 20.
Carburetor. M. A. Trisler. 2,140,776; Dec. 20.
Card sliver control. J. L. King and N. L. Whitten. 2,141,003; Dec. 20.
Carrier and body construction, Tire. F. Biszantz. 2,140,615; Dec. 20.
Carrier and suitcase, Interchangeable combination. A. B. Cohn. 2,140,688; Dec. 20.
Carrier for motor vehicles, Concealed gun. R. R. Emery. 2,140,870; Dec. 20.
Carrier for truck bodies, Traveling shelf or article. C. P. Wagner and C. E. Allen. 2,140,974; Dec. 20.
Carton retaining band. H. H. Monk. 2,141,011; Dec. 20.

Cartridge winding machine. G. C. Warner. 2,141,144; Dec. 20.
Case: *See*—
Cigarette case.
Cellulose acetate, Preparing. C. J. Malm and L. W. Blanchard, Jr. 2,140,639; Dec. 20.
Cellulose derivative composition and preparing same. R. T. Hucks. 2,140,745; Dec. 20.
Cellulose derivatives, Production of. W. Traube. 2,140,568; Dec. 20.
Cellulose, Producing a pure white. E. B. F. Sunesson. 2,140,863; Dec. 20.
Chain. W. F. Biedermann. 2,140,491; Dec. 20.
Chair: *See*—
Convertible chair. Rail chair.
Chair tip. C. W. Moore. 2,140,541; Dec. 20.
Change speed mechanism. O. H. Banker. 2,140,502; Dec. 20.
Charge storage dissector. P. T. Farnsworth. 2,140,695; Dec. 20.
Chemical flow controller. R. S. McKeever. 2,140,679; Dec. 20.
Chlorine containing derivatives of rubber, Production of. J. M. Peterson. 2,140,715; Dec. 20.
Chlorohydrocarbon emulsion. A. A. Elston. 2,140,519; Dec. 20.
Choke valve, Carburetor. M. E. Chandler. 2,140,734; Dec. 20.
Cigar. E. W. Berriman. 2,141,078; Dec. 20.
Cigarette case. P. J. Desselle. 2,140,830; Dec. 20.
Circuit: *See*—
Rectifier circuit.
Circuit interrupter, Electrical. W. B. Whitney and E. B. Wedmore. 2,141,120; Dec. 20.
Clamp: *See*—
Rail clamp. Wall form clamp.
Clamp bracket. P. H. Meyer. 2,141,008; Dec. 20.
Clamping device. J. L. Keller. 2,140,632; Dec. 20.
Clamping device. F. M. Slater. 2,140,654; Dec. 20.
Cleaner: *See*—
Vacuum cleaner.
Clock, Automobile. M. Schlenker. 2,140,925; Dec. 20.
Closure, Nonrefillable. J. P. Burke. 2,140,732; Dec. 20.
Clothesline support. J. C. Cordell. 2,141,032; Dec. 20.
Clutch: *See*—
Hydraulic clutch.
Clutch. R. G. Dickens. 2,140,737; Dec. 20.
Clutch. H. J. Dunkelow. 2,140,619; Dec. 20.
Clutch. R. T. Wright. 2,140,869; Dec. 20.
Clutch and drive mechanism, Self-protecting. C. W. Spicer. 2,140,723; Dec. 20.
Clutch mechanism. W. T. Welch. 2,140,975; Dec. 20.
Clutch plate. H. Nutt. 2,141,014; Dec. 20.
Coat foundation and making same. J. M. Sandone. 2,140,853; Dec. 20.
Coating composition and preparing same. M. I. Strauss. 2,140,657; Dec. 20.
Coatings, Producing vinyl resin surface. A. K. Doolittle. 2,140,518; Dec. 20.
Coatings, Producing vinyl resin surface. A. K. Doolittle. 2,141,126; Dec. 20.
Coil, Ignition. L. P. Kongsted. 2,141,141; Dec. 20.
Coin counting machine. P. C. Smith. 2,140,603; Dec. 20.
Collar holder. A. Morvillo. 2,141,012; Dec. 20.
Color photography. E. B. Middleton and A. B. Jennings. 2,140,540; Dec. 20.
Combination ladder bracket. F. Carle. 2,140,828; Dec. 20.
Combustion apparatus. R. A. Foresman. 2,140,522–3; Dec. 20.
Communication system. J. C. Batchelor. 2,140,730; Dec. 20.
Compact. A. P. Conant. 2,141,031; Dec. 20.
Composition of matter. C. R. Haynes, W. R. Clayton, and R. V. Townend. 2,140,527; Dec. 20.
Compressor, Sachet. C. A. Young. 2,140,661; Dec. 20.
Compressor unloader. G. K. Newell. 2,141,069; Dec. 20.
Connecting device. C. A. Fox. 2,140,904; Dec. 20.
Connecting pin. E. M. Summerhays. 2,140,820; Dec. 20.
Constructional element. K. W. Mauser. 2,140,709; Dec. 20.
Contact. C. Peterson. 2,141,113; Dec. 20.
Container: *See*—
Glass container.
Container. S. A. Heifetz. 2,140,996; Dec. 20.
Container. C. H. Nelson. 2,140,542; Dec. 20.
Control mechanism for steam heating systems. I. C. Jennings. 2,140,701; Dec. 20.
Controlling apparatus for strip feeding mechanism, Automatic. F. M. Littell. 2,140,755; Dec. 20.
Convertible chair. P. Rohrmann. 2,141,094; Dec. 20.
Conveyer for newspapers and like articles, Belt. H. H. Rapley. 2,140,595; Dec. 20.
Conveyers, Apparatus for automatically loading and unloading aerial. C. Braune. 2,141,125; Dec. 20.
Cooling system, Liquid. J. M. Bruce. 2,140,896; Dec. 20.
Copper alloy. P. Tookousian. 2,141,054; Dec. 20.
Copper, Method of and apparatus for casting deoxidized. W. K. Thompson. 2,140,607; Dec. 20.
Core extracting device. F. Miller. 2,140,645; Dec. 20.
Counter. M. M. Hennessy. 2,140,839; Dec. 20.
Coupler, Car. E. A. Larsson. 2,140,705; Dec. 20.
Coupling for separable fasteners, End tape. D. Marinsky. 2,141,006; Dec. 20.
Cover for leader pins. W. A. Wiesman. 2,141,027; Dec. 20.
Crown and brim protector. F. G. Richards. 2,141,017; Dec. 20.
Cup making machine, Paper. H. Carew. 2,140,665; Dec. 20.
Curler, Hair. J. Jacobs. 2,140,583; Dec. 20.
Curler, Hair. G. L. Smith. 2,140,857; Dec. 20.
Current collector. L. A. Meisse. 2,141,154; Dec. 20.
Current intake with automatic adjustment of temperature for electric heating apparatus, Support forming. J. Lobstein. 2,140,756; Dec. 20.
Cutter for lawn mowers, Auxiliary. J. G. McLain. 2,140,963; Dec. 20.
Cutting device. M. A. Etzenhouser and W. D. Hawn. 2,140,901; Dec. 20.
Cyanide system. L. D. Mills and T. B. Crowe. 2,140,591; Dec. 20.
Delouser, Chicken. H. B. Holmes. 2,140,677; Dec. 20.
Derrick pipe rack. T. J. Umphres. 2,141,097; Dec. 20.
Device for facilitating movement of steering wheels. J. L. Barr. 2,140,493; Dec. 20.
Device for feeding tobacco leaves to cutting machines. V. Lorentz. 2,140,637; Dec. 20.
Device for packing sealing disks. G. Rooth. 2,140,766; Dec. 20.
Device in capping machines. J. E. Jonsson. 2,140,586; Dec. 20.
Dial engraving machine. H. A. Satterlee. 2,140,556; Dec. 20.
Dials of instruments, Illuminating. G. V. Rylsky. 2,140,972; Dec. 20.
Diaper. J. A. Eller and H. L. Epp. 2,141,105; Dec. 20.
Diaphragm foot valve. G. K. Newell. 2,141,070; Dec. 20.
Die: *See*—
Ornamenting die. Tube extruding die.
Die rolling. S. B. Webster. 2,141,101; Dec. 20.
Dielectric compositions. E. C. Britton, G. H. Coleman, and L. F. Berhenke. 2,140,784; Dec. 20.
Dies, Making. W. C. Marsh. 2,140,806; Dec. 20.
Dispenser: *See*—
Beer dispenser.
Dispensing apparatus. A. E. Paige. 2,141,015; Dec. 20.
Display device. E. L. Lockleer. 2,140,804; Dec. 20.
Display frame. T. Chmielewski and N. A. Monfort. 2,140,666; Dec. 20.
Distortion correction in wave transmission. H. S. Black. 2,140,492; Dec. 20.
Door check bracket. R. C. Jacobs. 2,140,958; Dec. 20.
Door closing apparatus. H. Jerum. 2,140,913; Dec. 20.
Door construction, Cylinder. F. A. Gerlach. 2,140,621; Dec. 20.
Door lock. R. B. McFarlane. 2,141,088; Dec. 20.
Door securing mechanism. W. Young. 2,140,570; Dec. 20.
Draft control for fuel burners. W. W. Peck. 2,140,761; Dec. 20.
Drier: *See*—
Barrel drier.
Drive mechanism for tractor mounted planters. W. S. Graham. 2,140,622; Dec. 20.
Drive, Variable speed motor. P. B. Reeves and H. E. Brooks. 2,140,942; Dec. 20.
Dyes, Azo. E. Schirm. 2,140,944; Dec. 20.
Dyes, Green orthohydroxyazo. M. Raeck and W. Keller. 2,140,763; Dec. 20.
Dyestuffs, Vat. E. Honold. 2,140,873; Dec. 20.
Educational apparatus. S. Stern. 2,140,563; Dec. 20.
Egg carrying device. B. Neupert. 2,141,112; Dec. 20.
Elbow pad. V. W. Rhorer. 2,140,598; Dec. 20.
Electric plug. E. W. Bonson. 2,140,616; Dec. 20.
Electrical apparatus. H. F. Smith. 2,141,050; Dec. 20.
Electrical connection. W. McGinnis and Z. Wirt. 2,140,843; Dec. 20.
Electrical control of a series of devices, Successive. J. Serriére. 2,140,601; Dec. 20.
Electrical coupling device. B. R. Schofield. 2,140,770; Dec. 20.
Electrical impulse generator. C. L. Calkins. 2,140,573; Dec. 20.
Electrical measurement. T. Zuschlag. 2,140,662; Dec. 20.
Electrical method and apparatus for determining the characteristics of geologic formations. J. J. Jakosky. 2,140,798; Dec. 20.
Electrical relay. A. W. Fisher and W. B. Wells. 2,140,576; Dec. 20.
Electrical relay. C. S. Snavely. 2,140,604; Dec. 20.
Electrical steam generator. H. Cowan. 2,140,516; Dec. 20.
Electrical switch. O. Froland. 2,140,907; Dec. 20.
Electrical switch. W. O. Schultz and A. G. Steinmayer. 2,140,814; Dec. 20.
Electrode for electron discharge devices. C. H. Mahoney. 2,140,534; Dec. 20.
Electromagnetic device having the same temperature coefficient of resistance materials in assisting windings, Slow. A. B. Rypinski. 2,140,553; Dec. 20.

Electron multipliers, Controlling. P. T. Farnsworth. 2,140,832; Dec. 20.
Engine: *See*—
Internal combustion engine. Steam engine.
Engine starting mechanism. R. M. Nardone. 2,140,965; Dec. 20.
Engraving apparatus. E. J. Cook. 2,140,985; Dec. 20.
Envelope construction. R. H. Hemphill. 2,141,084; Dec. 20.
Envelope forming machine. L. L. Salfisberg. 2,140,599; Dec. 20.
Esters of cellulose, Refining organic acid. D. E. Northrop and R. C. Burton. 2,140,543; Dec. 20.
Ethane, Chlorination of. J. H. Reilly. 2,140,547; Dec. 20.
Ethers of phenyl phenols, Hydroxy-alkyl. C. C. Vernon. 2,140,824; Dec. 20.
Ethyl chloride, Preparation of. J. L. Amos. 2,140,500; Dec. 20.
Ethyl chloride, Preparation of. J. E. Pierce. 2,140,927; Dec. 20.
Ethyl chloride, Production of. L. C. Chamberlain, Jr., J. L. Amos, and J. L. Williams. 2,140,508; Dec. 20.
Ethyl Chloride, Production of. L. C. Chamberlain, Jr., J. L. Williams, and R. D. Blue. 2,140,507; Dec. 20.
Ethylene chloride, Chlorination of. J. H. Reilly. 2,140,548; Dec. 20.
Explosives, Manufacture of. W. A. P. Challenor and G. A. Scott. 2,140,897; Dec. 20.
Extension device. S. O. Myrberg. 2,141,068; Dec. 20.
Fabric: *See*—
Knitted fabric.
Fabric, Producing an elastic. A. Ferrari. 2,140,696; Dec. 20.
Fabrics, Apparatus and method for the manufacture of pile. F. M. Kaufman. 2,141,152; Dec. 20.
Fastener: *See*—
Indoor clothesline fastener. Sash fastener.
Fastening device for badges. W. F. Ferguson. 2,140,795; Dec. 20.
Fastening, Rail. W. S. Boyce. 2,140,891; Dec. 20.
Feed regulating device. D. Buccicone. 2,141,104; Dec. 20.
Feeder: *See*—
Poultry feeder.
Fifth wheel. F. C. Emrick. 2,140,990; Dec. 20.
Filaments into products containing staple fiber, Apparatus for converting continuous. W. I. Taylor and L. B. Gibbins. 2,140,566; Dec. 20.
Filaments into products containing staple fibers, Apparatus for converting continuous. A. McGill and H. Taylor. 2,140,535; Dec. 20.
Film gate and framing mechanism. C. L. Fitz. 2,140,738; Dec. 20.
Film, Photographic stripping. G. F. Nadeau. 2,140,648; Dec. 20.
Films for color photography and the processing thereof, Composite layer. H. D. Murray and D. A. Spencer. 2,140,847; Dec. 20.
Firearm. W. L. Swartz. 2,140,946; Dec. 20.
Firearm balancer. W. L. Swartz. 2,140,945; Dec. 20.
Firearms, Illuminating aiming attachment for. C. B. Osborn. 2,140,880; Dec. 20.
Firing apparatus for furnaces. C. Cone. 2,140,785; Dec. 20.
Fish cutting machine. E. David and S. B. Szody. 2,140,575; Dec. 20.
Flashlight. H. G. Graubner and A. G. Saurwein. 2,140,908; Dec. 20.
Flotation coating process. J. F. Dreyer. 2,140,498; Dec. 20.
Flue. G. Slayter and H. W. Collins. 2,140,773; Dec. 20.
Fluid heater. R. A. Foresman. 2,140,520; Dec. 20.
Fluid heating apparatus. R. A. Foresman. 2,140,524; Dec. 20.
Food materials, Treatment of. W. W. Cowgill. 2,140,788; Dec. 20.
Food products, Apparatus for sterilizing. W. E. Mitton. 2,141,089; Dec. 20.
Fracture frame. O. K. Walters. 2,141,099; Dec. 20.
Frame: *See*—
Display frame. Fracture frame.
Frame for glasses, Fitover. A. E. Euler. 2,141,063; Dec. 20.
Frame straightener. C. C. Bennett. 2,140,686; Dec. 20.
Freezer, Horizontal counter. A. Ruttiman. 2,141,045; Dec. 20.
Fuel combustion system. M. Frisch. 2,140,991; Dec. 20.
Fuel, Engine. J. W. Hocking. 2,140,627; Dec. 20.
Furfural, Producing. H. J. Brownlee. 2,140,572; Dec. 20.
Furnace: *See*—
Normalizing furnace.
Furniture, School. M. M. Konarski. 2,140,635; Dec. 20.
Furs, Dressing, treating, and finishing. O. F. Muller. 2,140,759; Dec. 20.
Fuse soldering mechanism. E. H. Taylor. 2,140,864; Dec. 20.
Fuse switch. O. Froland. 2,140,906; Dec. 20.
Garment. M. A. Hammerman. 2,140,797; Dec. 20.
Garment steaming device. C. R. Lendle. 2,140,961; Dec. 20.
Gas and liquor treatment apparatus. J. Schulte. 2,141,047; Dec. 20.
Gas compressor. A. C. Whiles. 2,141,057; Dec. 20.
Gas expanded product. D. Roberts. 2,140,552; Dec. 20.
Gas producer. P. van Ackeren. 2,141,116; Dec. 20.
Gaseous luminous sign, Interchangeable. A. H. Kenigsberg. 2,140,703; Dec. 20.
Gauge: *See*—
Brick bond gauge.
Gear shifting mechanism. E. J. Thurber. 2,141,096; Dec. 20.
Generator: *See*—
Electrical steam generator. Electrical impulse generator.
Glass container. A. H. Nicholson. 2,141,013; Dec. 20.
Glow plug. C. Rudquist. 2,140,943; Dec. 20.
Glucoside of 3,3'-diamino-4,4'-dihydroxy arsenobenzene-sodium formaldehyde sulphoxalate and making it. F. L. Pyman, B. Garforth, and L. Anderson. 2,140,717; Dec. 20.
Governor mechanism. W. E. Kemp. 2,140,529–30; Dec. 20.
Grease dispensing apparatus. C. A. Green. 2,140,909; Dec. 20.
Grease interceptor. J. Hirshstein. 2,140,581; Dec. 20.
Grille and making the same. J. A. Germonprez. 2,140,993; Dec. 20.
Grinding machine. F. S. Haas and W. Trible. 2,141,065; Dec. 20.
Guard and cap, Fountain pen ink. S. M. Sager. 2,140,554; Dec. 20.
Guard for drawers. G. R. O'Neal. 2,140,879; Dec. 20.
Guard for vehicle wheel fenders, Splash. A. A. Johnson. 2,141,140; Dec. 20.
Guide device. S. Findlater. 2,141,130–1; Dec. 20.
Gun, Machine. F. T. Moore. 2,140,809; Dec. 20.
Gun, Swatter. J. E. Kahler. 2,140,875; Dec. 20.
Gun with adjustable packing, Machine. F. T. Moore. 2,140,808; Dec. 20.
Hair curling device. G. L. Smith. 2,140,858; Dec. 20.
Hair waving apparatus. H. Bonat. 2,140,980; Dec. 20.
Hardware for sashes and the like, Adjusting. S. Madsen. 2,140,842; Dec. 20.
Harness, Parachute. S. H. Knight. 2,141,041; Dec. 20.
Hearing aid apparatus. W. D. Penn. 2,140,969; Dec. 20.
Hearse, Side and rear delivery. E. Richter and E. L. Schofield. 2,141,092; Dec. 20.
Heat generating apparatus. R. A. Foresman. 2,140,521; Dec. 20.
Heat-interchange means. C. A. Hubert. 2,140,629; Dec. 20.
Heater: *See*—
Fluid heater.
Heater and the like, Regenerative. J. Daniels. 2,141,036; Dec. 20.
Heel, Composition. H. F. Stose. 2,140,819; Dec. 20.
Helmet. G. Illguth. 2,140,630; Dec. 20.
Hitch with brake, Tractor stop. G. Den Besten. 2,140,504; Dec. 20.
Hoe, Self-clearing. A. James. 2,140,911; Dec. 20.
Holder: *See*—
Collar holder. Plant pot holder.
Nut or bolt holder.
Holder for beverage receptacles. L. A. Heymann. 2,140,743; Dec. 20.
Holder for sensitized elements. O. E. Conklin. 2,140,515; Dec. 20.
Hose, Ventilating. A. D. Maclachlan. 2,140,638; Dec. 20.
Hosiery, Method and apparatus for eliminating sinker lines and the like in. H. P. Luhn. 2,140,936; Dec. 20.
Housing for liquid dispensing apparatus. E. H. Bradley and W. H. D. Brouse. 2,141,124; Dec. 20.
Humidifier. M. E. Boustead. 2,140,664; Dec. 20.
Hydraulic brake. L. E. La Brie and J. R. Heidloff. 2,140,751; Dec. 20.
Hydraulic brake. J. W. White. 2,140,778; Dec. 20.
Hydraulic clutch. F. E. Staats. 2,140,886; Dec. 20.
Hysteresis compensated pressure measuring device. J.-L. Reutter. 2,140,765; Dec. 20.
Impeller for washing machines. J. Whyte. 2,140,866; Dec. 20.
Implement, Direct connect. R. H. Mitchell. 2,140,712; Dec. 20.
Incandescent lamp. H. E. Allen. 2,140,977; Dec. 20.
Incrustation on heating surfaces during the concentration of sulphite-cellulose waste liquor, Preventing. W. Gensecke. 2,140,992; Dec. 20.
Index, Visible card. J. W. Sheppard. 2,140,926; Dec. 20.
Indicator: *See*—
Valve indicator.
Indoor clothesline fastener. E. P. Bailey. 2,140,663; Dec. 20.
Inhaler. P. J. Clifford. 2,140,952; Dec. 20.
Injector. P. L. Scott. 2,140,600; Dec. 20.
Inking device. G. N. Wetzel. 2,141,073; Dec. 20.
Inking mechanism for printing rolls. J. L. Blackley. 2,140,950; Dec. 20.
Interest calculating machine. F. W. Schwab. 2,141,048; Dec. 20.
Interiorly illuminated sign. P. J. Howe and C. H. Wyss, Jr. 2,141,139; Dec. 20.
Internal combustion engine. W. R. Beckman. 2,140,503; Dec. 20.
Iron, Rustless. W. B. Arness. 2,140,501; Dec. 20.
Ironing machine cabinet. A. H. Gerhardt. 2,140,836; Jig. J. S. Pecker. 2,140,762; Dec. 20.
Knife, Mixing. C. E. Latshaw. 2,140,706; Dec. 20.

Knife sharpening device. W. A. van Berkel. 2,141,055; Dec. 20.
Knitted fabric. H. P. Luhn. 2,140,937; Dec. 20.
Knitting machine and operating same. N. Levin. 2,141,042; Dec. 20.
Ladder web, Triple warp. G. F. French. 2,141,038; Dec. 20.
Lamp: *See*—
Automobile lamp. Incandescent lamp.
Larvicide and preparing same. W. D. Martin. 2,141,087; Dec. 20.
Lasting machine. W. T. B. Roberts. 2,140,652; Dec. 20.
Leads, Roasting pencil. R. Zöckert. 2,140,825; Dec. 20.
Leather dyeing machine. M. F. Flynn. 2,140,833; Dec. 20.
Lehr, Glass annealing. C. Cone. 2,140,786; Dec. 20.
Lens system, Condenser. L. Bertele. 2,140,979; Dec. 20.
Lid pressing and nailing machine, Box. G. C. Paxton, H. D. Benson, and C. H. Johnson. 2,140,851; Dec. 20.
Light and water container therefor, Emergency. C. Linhardt, Jr. 2,140,877; Dec. 20.
Light assembly, Pilot. W. Trautner. 2,141,115; Dec. 20.
Light sensitive tube, Multiple. A. A. Kucher. 2,140,799; Dec. 20.
Liquid congealing apparatus. J. N. Saier. 2,140,923; Dec. 20.
Loading machine. J. L. Clarkson. 2,141,147–8; Dec. 20.
Loading machine, Portable. N. D. Levin. 2,140,636; Dec. 20.
Lock: *See*—
Door lock. Time lock.
Nut lock.
Locking device. G. P. Mahood. 2,140,917; Dec. 20.
Locking device. A. L. McHugh. 2,140,644; Dec. 20.
Locking device, Combined ignition and gear shift. A. Ratti. 2,140,812; Dec. 20.
Locomotive. H. Nyffenegger. 2,140,967; Dec. 20.
Loom: *See*—
Automatic loom.
Loom rope stop motion, Axminster. F. Darienzo. 2,140,789; Dec. 20.
Lubricant, Extreme pressure. A. W. Ralston. 2,141,142; Dec. 20.
Lubricants, Production of. M. Pier and F. Christmann. 2,140,545; Dec. 20.
Lubricating apparatus. L. C. Rotter. 2,141,022; Dec. 20.
Lubricating device. L. A. Carter. 2,140,983; Dec. 20.
Lubricator: *See*—
Piston lubricator.
Lug strap support. W. Herron. 2,140,675; Dec. 20.
Machine for operating on counters. C. C. Gillis. 2,141,134; Dec. 20.
Machine for producing combined cross and covering seams. F. Ebert. 2,140,693; Dec. 20.
Magnet, Lifting. H. E. Hodgson. 2,140,700; Dec. 20.
Magnetic track brake. J. C. McCune. 2,140,643; Dec. 20.
Manifolding mechanism for typewriters. J. W. Fader. 2,141,064; Dec. 20.
Marker for traffic lanes, Safety. E. B. Miller. 2,141,067; Dec. 20.
Mat, Aproned absorbent bath. E. M. Fischer. 2,140,902; Dec. 20.
Material and making same, Coated fibrous sheet and web. E. Gebauer-Fuelnegg and E. W. Moffett. 2,140,835; Dec. 20.
Material working apparatus. E. J. Svenson. 2,140,565; Dec. 20.
Materials containing tantalum and/or niobium, Treatment of. J. P. Leemans. 2,140,801; Dec. 20.
Measuring and controlling systems. P. S. Dickey. 2,141,082; Dec. 20.
Measuring apparatus for boot and shoe makers. B. Giuntini. 2,140,740; Dec. 20.
Measuring device. G. L. Kothny. 2,140,914; Dec. 20.
Meats with proteolytic enzymes, Treatment of. H. E. Allen. 2,140,781; Dec. 20.
Metal products, Manufacture of. E. R. Long. 2,140,916; Dec. 20.
Meter tester. F. Snow. 2,140,562; Dec. 20.
Milk bottle box, Self-latching. A. L. Willett. 2,140,779; Dec. 20.
Mill: *See*—
Rolling mill.
Mill assembly, Slabbing. J. B. Tytus and E. N. Millan. 2,140,822; Dec. 20.
Milling attachment. M. Hanna. 2,140,957; Dec. 20.
Mineral values, particularly coal, Gravitation concentration of. G. W. Davidson. 2,140,899; Dec. 20.
Models for shoes, Making last. W. M. Biddle. 2,140,505; Dec. 20.
Molding compositions, Producing. L. Smidth. 2,140,560; Dec. 20.
Molding construction and the like, Metallic. G. A. Tinnerman. 2,140,887; Dec. 20.
Molecular compounds and preparing them. J. Eisenbrand and M. Seinz. 2,140,989; Dec. 20.
Motor-compressor unit for refrigerating apparatus. F. L. Tarleton. 2,141,053; Dec. 20.
Motor control. F. Stoner. 2,140,564; Dec. 20.
Mounting: *See*—
Photograph mounting.
Mowers, Adjusting cutting heights of lawn. K. Ostberg. 2,140,760; Dec. 20.
Nail, Capped. R. Kaplan. 2,140,749; Dec. 20.
Needle valve. J. J. Ring. 2,141,018; Dec. 20.
Nest. A. Seidl. 2,140,815; Dec. 20.
Nonenzymatic activator and making same. H. V. Euler, H. Albers, and F. Schlenk. 2,141,128; Dec. 20.
Normalizing furnace. C. B. Hoak. 2,141,108; Dec. 20.
Nozzle, Spraying. M. L. Fisk. 2,140,903; Dec. 20.
Nozzle, Suction. A. S. Juelson. 2,140,874; Dec. 20.
Nozzle, Vaporizing. H. W. Dawson. 2,140,517; Dec. 20.
N-substituted para-aminobenzaldehydes. W. Müller and C. Berres. 2,141,090; Dec. 20.
Nut lock. H. P. Sorensen. 2,141,071; Dec. 20.
Nut or bolt holder. J. G. Hoff. 2,140,628; Dec. 20.
Oarlock sleeve. O. J. Shape. 2,140,884; Dec. 20.
Oil, Desalting mineral. C. S. Cerf. 2,140,574; Dec. 20.
Oil refining, Petroleum. E. B. Hjerpe and W. A. Gruse. 2,141,085; Dec. 20.
Oil, Treatment of soya bean. A. K. Epstein and M. L. Hartley. 2,140,794; Dec. 20.
Oil, Treatment of soya bean. A. K. Epstein, H. L. Reynolds, and M. L. Hartley. 2,140,793; Dec. 20.
Oiling device for dead spindles. G. M. Arragg. 2,140,613; Dec. 20.
Oils by means of halogen compounds, Refining hydrocarbon. E. Terres, J. Moos, and E. Saegebarth. 2,141,143; Dec. 20.
Oils in containers, Apparatus for filling. W. C. Poole. 2,140,811; Dec. 20.
Oleo-resinous material, Treating. M. Cline. 2,140,512; Dec. 20.
Oleo-resins and products resulting therefrom, Treating. M. Cline. 2,140,513; Dec. 20.
Oleo-resins and products resulting therefrom, Treating pine. M. Cline. 2,140,514; Dec. 20.
Oleo-resins, Treating crude. M. Cline. 2,140,511; Dec. 20.
Omni value stamping device. W. H. Wheeler, Jr., J. W. Ogden, and F. J. Rouan. 2,141,119; Dec. 20.
1,1,2-trichloroethane, Preparation of. J. H. Reilly. 2,140,549; Dec. 20.
Organic derivatives of cellulose, Coloration. J. G. McNally and J. B. Dickey. 2,140,538; Dec. 20.
Organic oxy compounds, Dehydration of. T. Evans. 2,140,694; Dec. 20.
Ornamental device. O. Placco. 2,140,594; Dec. 20.
Ornamenting die. C. G. Deubel. 2,140,791; Dec. 20.
Ornamenting machine. B. W. Freeman. 2,140,697; Dec. 20.
Oscillator, Audio frequency. N. Langer and C. W. W. Hoffman. 2,140,840; Dec. 20.
Packing box and underreamer. R. A. Mitchell. 2,141,111; Dec. 20.
Packing retainer for journal boxes. C. T. Ripley. 2,141,019; Dec. 20.
Pad: *See*—
Elbow pad.
Paper, Manufacture and development of light-sensitive coated. H. J. Brunk and M. Dickason. 2,141,103; Dec. 20.
Paths, road surfaces, floorings, and the like, Producing. D. Komlos. 2,140,634; Dec. 20.
Pencil, Multiple lead. R. Röhm and L. Neidlein. 2,140,653; Dec. 20.
Pessary. H. Holt. 2,141,040; Dec. 20.
Phenols, Alkylation of. J. B. Arnold and R. P. Perkins. 2,140,782; Dec. 20.
Photoelectrically responsive layer. P. Görlich. 2,140,994; Dec. 20.
Photograph mounting. N. Warshaw. 2,140,660; Dec. 20.
Photographic apparatus, Multiple pose. L. G. Simjian. 2,140,602; Dec. 20.
Photo-records, Apparatus for making and/or utilizing. L. G. Townsend. 2,140,567; Dec. 20.
Photosensitive elements, Inscribing. A. T. Ginman. 2,140,525; Dec. 20.
Picker, Cotton. E. A. Johnston. 2,140,631; Dec. 20.
Picture, Stereoscopic. C. W. Kanolt. 2,140,702; Dec. 20.
Piling, Tapered. G. G. Greulich. 2,141,106; Dec. 20.
Pin: *See*—
Connecting pin.
Pipe: *See*—
Tobacco pipe.
Pipe joint seal ring. P. D. Merrill and F. R. McMurray. 2,140,939; Dec. 20.
Pipe testing machine. W. Brittain. 2,140,892; Dec. 20.
Piston lubricating device. C. C. Farmer. 2,141,149; Dec. 20.
Piston lubricator. E. R. Fitch. 2,141,150; Dec. 20.
Piston ring. M. M. Meisel. 2,140,710; Dec. 20.
Piston rings, Closing. W. Strauss. 2,140,682; Dec. 20.
Pitch propeller, Variable. M. A. Smith, Jr. 2,140,722; Dec. 20.
Plant pot holder. R. Sumner. 2,140,862; Dec. 20.
Plate, Tin. C. E. Miller. 2,141,110; Dec. 20.
Plug: *See*—
Glow plug. Scaffold plug.
Plug and cord, Connecting. S. A. Duvall. 2,140,499; Dec. 20.
Plumbing fixture. J. R. O'Brien. 2,140,848; Dec. 20.
Pocketknife and pencil or pen, Combined. R. J. Dodson. 2,141,061; Dec. 20.
Polisher for rolling mills. L. C. Steele. 2,140,860; Dec. 20.
Pool, Swimming. F. F. Beeby. 2,140,978; Dec. 20.
Popper, Corn. W. G. Twyman. 2,140,888; Dec. 20.

Positional control system. F. M. Watkins. 2,141,056; Dec. 20.
Pot or container. H. C. Avery. 2,140,932; Dec. 20.
Poultry feeder. P. L. Sentz. 2,140,856; Dec. 20.
Powder, Molding. C. Maters. 2,141,043; Dec. 20.
Powder, Producing magnetic. H. Vogt. 2,140,889; Dec. 20.
Power transmission. I. R. Davis. 2,140,790; Dec. 20.
Press: *See*—
Printing press.
Pressing machine for collars. S. Stadub. 2,141,051; Dec. 20.
Printing apparatus. M. E. Gazette. 2,140,834; Dec. 20.
Printing press. L. V. Dearing. 2,140,986; Dec. 20.
Printing solution. F. Lauter. 2,140,754; Dec. 20.
Projection timing device. D. Franklin. 2,141,037; Dec. 20.
Propeller, Adjustable. H. Reissner. 2,140,718; Dec. 20.
Propellers, Stopping rotation of. R. B. Quick. 2,141,091; Dec. 20.
Protective device for athletic wear. H. M. Pryale. 2,140,716; Dec. 20.
Protective device, Labyrinth. L. A. Brooke. 2,141,102; Dec. 20.
Protector: *See*—
Crown and brim protector.
Pump. W. J. Hall. 2,140,956; Dec. 20.
Quenching machine. J. J. Davenport. 2,141,081; Dec. 20.
Rack: *See*—
Derrick pipe rack.
Radio control device. C. J. Sloan. 2,140,655; Dec. 20.
Rail chair. S. S. Widdas. 2,140,683; Dec. 20.
Rail clamp. D. T. Alexander. 2,141,076; Dec. 20.
Range, Dual or combination. F. H. Schneider and D. Saponara. 2,140,681; Dec. 20.
Razor, Safety. J. H. Hotson. 2,141,086; Dec. 20.
Rectifier circuit, Grid controlled. G. H. Rockwood, Jr. 2,140,922; Dec. 20.
Reel. R. W. Clemmons. 2,140,494; Dec. 20.
Reflector for street and highway lighting. P. H. Mitchell. 2,140,646; Dec. 20.
Refrigeration system control. H. W. Ohlhaver. 2,140,810; Dec. 20.
Refuse disposal device for vacuum cleaner bags. A. N. Groom and A. J. Moore. 2,140,995; Dec. 20.
Regulating device, Automatic. C. M. Dennis. 2,140,933; Dec. 20.
Regulating mechanism. D. H. Frazee. 2,140,954; Dec. 20.
Regulator: *See*—
Viscosity regulator.
Remote indication apparatus. A. E. Dodd. 2,141,060; Dec. 20.
Ring: *See*—
Pipe joint seal ring. Piston ring.
Ring bending mechanism. G. C. Minister. 2,141,010; Dec. 20.
Riveting machine. P. Van Sittert. 2,140,658; Dec. 20.
Rod into lengths, Apparatus for severing an axially moving. F. F. Ruau. 2,140,720; Dec. 20.
Roller bearing, Cushioned. E. G. Boden. 2,141,122; Dec. 20.
Roller bearing, Double row. F. R. Heck. 2,141,136; Dec. 20.
Roller leveler machine. E. B. Fernberg. 2,141,151; Dec. 20.
Roller skate brake. T. R. Goettle. 2,140,955; Dec. 20.
Rolling mill. H. H. Talbot. 2,140,929; Dec. 20.
Rotary mechanism. A. A. Nichols. 2,140,966; Dec. 20.
Rotor, Agricultural. L. L. Hart. 2,140,871; Dec. 20.
Rubber articles, Manufacturing molded. C. A. Daly. 2,140,692; Dec. 20.
Sadiron. E. D. Perry. 2,140,852; Dec. 20.
Sampler, Lead line. A. C. Myracle. 2,140,920; Dec. 20.
Sash construction. W. S. Hamm. 2,141,039; Dec. 20.
Sash fastener, Storm. H. T. Opland. 2,140,849; Dec. 20.
Saw construction. J. S. Coleman. 2,140,496; Dec. 20.
Scaffold, Adjustable. H. Castady. 2,140,617; Dec. 20.
Scale, Computing. P. M. Cole. 2,140,984; Dec. 20.
Scanning device. J. H. Jeffree. 2,140,584; Dec. 20.
Scouring device. A. M. Goodloe. 2,140,578; Dec. 20.
Screw driver. R. J. Velepec. 2,141,072; Dec. 20.
Seal, Bag. H. L. C. Wenk, Jr. 2,140,777; Dec. 20.
Seal for light-sensitive material, Hermetic. C. S. Treacy. 2,140,725; Dec. 20.
Seal, Producing a. R. B. Gray and H. M. Shealey. 2,140,672; Dec. 20.
Sealing plate for sandfilter cleaners. W. C. Laughlin. 2,141,153; Dec. 20.
Seat: *See*—
Slidable seat.
Sedimentation. R. C. Gibbs. 2,141,133; Dec. 20.
Seeder, Hill dropping. H. Rassmann. 2,141,044; Dec. 20.
Separating system. C. W. Boag. 2,140,827; Dec. 20.
Separator. F. C. Dugan. 2,140,953; Dec. 20.
Sewing machine. H. W. Krag. 2,141,004; Dec. 20.
Shade and rod fixture. W. C. Tennant. 2,141,095; Dec. 20.
Sheath. Lead-bismuth-lithium cable. H. Osborg. 2,140,544; Dec. 20.
Sheets, Blanking, notching, and scoring. C. E. Attwood. 2,141,121; Dec. 20.
Shelf structure for refrigerators. C. N. Smith and J. R. Willard. 2,140,611; Dec. 20.
Shelf structure for refrigerators, Making a. J. R. Willard. 2,140,610; Dec. 20.
Shells, Production of ammunition. J. B. Talbot-Crosbie and A. P. S. Macquisten. 2,140,775; Dec. 20.
Shield, Flock covered glare. R. C. Jacobs. 2,140,959; Dec. 20.
Shield for typewriters, Erasing. I. N. Clegg, Jr. 2,140,510; Dec. 20.
Shingle strip and roof construction. J. E. Crump. 2,140,691; Dec. 20.
Ship construction. J. M. Sponsler. 2,140,774; Dec. 20.
Shock absorber control mechanism. R. S. Sanford. 2,140,767; Dec. 20.
Shoe brake, Symmetrical. C. L. Eksergian. 2,141,127; Dec. 20.
Shoe stiffeners, Making. W. H. Bancroft. 2,140,614; Dec. 20.
Shoes, Method of and machine for use in manufacturing. C. F. Pym. 2,140,546; Dec. 20.
Shovel. R. F. Meeh. 2,141,007; Dec. 20.
Shovel, Power. A. Dukelow and L. M. Alger. 2,140,988; Dec. 20.
Sign: *See*—
Gaseous luminous sign. Interiorly illuminated sign.
Signal: *See*—
Audible electric signal.
Signal control system. E. J. Schulenburg. 2,141,046; Dec. 20.
Signal device, Audible. F. P. Scully and A. E. Mathey. 2,140,559; Dec. 20.
Signal switch. E. C. Akers. 2,141,075; Dec. 20.
Signaling device. H. Hirnm. 2,140,699; Dec. 20.
Siliceous materials, Treating. R. C. Folger. 2,141,132; Dec. 20.
Sinker. J. A. Stefan. 2,140,724; Dec. 20.
Sled, Coasting. H. White. 2,140,976; Dec. 20.
Slidable seat. E. Richter and E. L. Schofield. 2,141,093; Dec. 20.
Sliders for sliding-clasp fasteners, Method of and blank for making. B. Reiter. 2,140,764; Dec. 20.
Soldering iron heater. R. J. Springall. 2,140,817; Dec. 20.
Soldering iron tip. F. R. Hensel and E. I. Larsen. 2,140,910; Dec. 20.
Solders, Cadmium alloy. R. R. Kennedy. 2,140,531; Dec. 20.
Solutions of a polymerized vinyl compound, Manufacture of. H. Rein. 2,140,921; Dec. 20.
Solvent, Apparatus for reclaiming. R. A. Hetzer. 2,140,623; Dec. 20.
Soot trap. T. B. Smith. 2,140,973; Dec. 20.
Speed controlled brake. E. E. Newitt. 2,140,624; Dec. 20.
Speed controlled brake. R. E. Miller. 2,140,625; Dec. 20.
Splice for steel bearing piles. G. G. Greulich. 2,141,107; Dec. 20.
Spline and connecter. G. Slayter and H. W. Collins. 2,140,772; Dec. 20.
Splint stretcher board. C. A. Warden. 2,141,100; Dec. 20.
Spool. R. Atwood. 2,140,729; Dec. 20.
Spring construction. J. W. Leighton. 2,140,803; Dec. 20.
Sprinkler, Lawn. S. D. Baker. 2,141,077; Dec. 20.
Stamps, Producing steel. L. D. Donbeck. 2,140,670; Dec. 20.
Stand: *See*—
Typer's stand.
Staple. W. G. Pankonin. 2,140,593; Dec. 20.
Stapling device. W. G. Pankonin. 2,140,592; Dec. 20.
Stapling machine. E. Krantz. 2,140,588; Dec. 20.
Static, Increasing the effect of. P. M. Haffcke. 2,140,526; Dec. 20.
Steam engine. R. H. Blocker. 2,140,571; Dec. 20.
Steel, Alloy. P. Payson. 2,141,016; Dec. 20.
Steel strapping, Method of and apparatus for straightening. C. M. MacChesney. 2,140,533; Dec. 20.
Stencil, Matched veneer. B. G. Robertson. 2,141,020; Dec. 20.
Stencil sheet. C. V. Canning. 2,140,506; Dec. 20.
Stove, Folding camp. P. Sather, Jr. 2,140,924; Dec. 20.
Strain relief for electrical appliance cords. C. H. Wilmot. 2,140,867; Dec. 20.
Strainer, Antifreeze air. E. E. Hewitt. 2,140,626; Dec. 20.
Strip uncoiler. H. H. Talbot and M. P. Sieger. 2,140,928; Dec. 20.
Substances containing tantalum and/or niobium, Treatment of. J. P. Leemans. 2,140,800; Dec. 20.
Sulphone-ethylamines, Production of. H. Ufer. 2,140,609; Dec. 20.
Sulphoxides and sulphones and preparing them, Organic. H. Ufer. 2,140,608; Dec. 20.
Sulphur compounds, Production of organic. H. Ufer and O. Hecht. 2,140,569; Dec. 20.
Support: *See*—
Clothesline support. Lug strap support.
Support for ashtrays. A. W. Zeman. 2,140,612; Dec. 20.

Support for drills, Telescopic. J. P. Schnebly. 2,140,854; Dec. 20.
Support for electrical fixtures and the like. P. Steketee. 2,140,861; Dec. 20.
Support or the like, Brake beam. C. R. Busch. 2,140,982; Dec. 20.
Supporting device. P. H. Meyer. 2,141,009; Dec. 20.
Switch: *See*—
Electrical switch. Signal switch.
Fuse switch.
Table: *See*—
Bathtub and dressing table.
Tape record repeater. W. L. Andrus. 2,140,684; Dec. 20.
Target apparatus. W. L. Dysart and R. J. Newlin. 2,140,671; Dec. 20.
Telegraph system. M. L. Greene and W. L. Rhoads, Sr. 2,140,673; Dec. 20.
Telegraph testing set. H. A. Rhodes. 2,140,680; Dec. 20.
Telegraphs, Method and arrangement for synchronizing of printing. H. Rassow. 2,140,596; Dec. 20.
Telephone system. P. V. Welch. 2,140,930; Dec. 20.
Telephone system. E. P. G. Wright, G. C. Hartley, and P. I. Wyndham. 2,140,931; Dec. 20.
Telephone transmitter. O. Soldan, H. Panzerbieter, and B. Jörgenson. 2,140,859; Dec. 20.
Television system. V. K. Zworykin. 2,141,059; Dec. 20.
Temperature compensator for pressure responsive devices. P. Kollsman. 2,140,704; Dec. 20.
Temperature or pressure control by flow regulation. L. C. Irwin. 2,140,747; Dec. 20.
Tensioning device for chains. J. Weller. 2,141,118; Dec. 20.
Terminal, Hollow strand. E. O. Wahlstrom. 2,141,098; Dec. 20.
Terminal strip. W. W. Brown. 2,140,894; Dec. 20.
Thermal system, Conditioned air supplying and air withdrawing. E. S. Cornell, Jr. 2,140,787; Dec. 20.
Thermostatic control valve. S. W. E. Andersson and I. Tornkvist. 2,140,947; Dec. 20.
Thread catcher, Double action. L. Drolet. 2,141,062; Dec. 20.
3-nitro-4-alkyl phenols, Mercurated. W. G. Christiansen and E. Moness. 2,140,509; Dec. 20.
Timber preservation. R. Lurie. 2,140,878; Dec. 20.
Time cycle controller. J. H. Staley. 2,141,024; Dec. 20.
Time lock. W. E. Goehring. 2,140,698; Dec. 20.
Timer, Automatic ignition. J. Bohli. 2,141,029; Dec. 20.
Tobacco pipe. J. Pedery. 2,140,649; Dec. 20.
Tobacco stemmer. R. E. Rundell. 2,140,721; Dec. 20.
Tobacco stemming machine. B. M. Hackler. 2,141,083; Dec. 20.
Tool bit and holder therefor, Vertically adjustable shankless. E. Reaney. 2,140,940; Dec. 20.
Tools and removing chips, Cooling. W. A. Hart. 2,140,838; Dec. 20.
Top for trucks, Sliding. M. T. Kercher. 2,140,960; Dec. 20.
Torque block and wear compensating device. J. E. Herbst. 2,141,066; Dec. 20.
Toy glider. C. U. Tyrrell. 2,140,821; Dec. 20.
Traction control. H. E. Stickles. 2,140,606; Dec. 20.
Tractor drive take-off. C. L. Brown. 2,140,687; Dec. 20.
Traffic controlling apparatus, Railway. H. S. Young. 2,141,074; Dec. 20.
Transmission, Automatic planetary automotive. F. W. Cotterman. 2,140,690; Dec. 20.
Transmission system, Single side-band. G. H. Huber. 2,140,912; Dec. 20.
Tramway, Rope. F. Johansen and E. J. Lloyd. 2,140,585; Dec. 20.
Transmission means. R. McWade, Jr. and L. Lyndon. 2,140,758; Dec. 20.
Trap: *See*—
Soot trap.
Tray. J. H. Horsley. 2,141,001; Dec. 20.
Trencher. Roadside. W. G. Van Voorhis. 2,140,823; Dec. 20.
Trimming machine. A. A. Lawson. 2,140,532; Dec. 20.
Truck body, Dump. C. W. Meininger. 2,140,590; Dec. 20.
Tube: *See*—
Light sensitive tube. Ultra-short-wave tube.
Tube extruding die. W. H. Lussie. 2,141,005; Dec. 20.
Tubular unit for water walls or the like. H. Frank. 2,140,739; Dec. 20.
Turbine blade. R. Franks. 2,140,905; Dec. 20.
2-hydroxymethyl-1,3-dioxolane. R. W. McNamee and C. M. Blair. 2,140,938; Dec. 20.
Typer's stand. M. Hassett. 2,140,674; Dec. 20.
Typewriters, Noise silencing type bar actuating arrangement for. H. Benzing. 2,141,028; Dec. 20.
Ultra-short-wave tube. W. Dällenbach. 2,141,080; Dec. 20.
Umbrella to be worn on head. L. D. Myers. 2,140,647; Dec. 20.
Upholstery trim panels, Method and apparatus for manufacture of. A. S. Mitchell. 2,140,711; Dec. 20.
Urea-formaldehyde condensation products. L. Smidth. 2,140,561; Dec. 20.
Vacuum cleaner. F. Riebel, Jr. and D. M. Dow. 2,140,651; Dec. 20.
Valve: *See*—
Choke valve. Needle valve.
Diaphragm foot valve. Thermostatic control valve.
Valve action, Direct electric. R. E. Lehman. 2,140,802; Dec. 20.
Valve-actuating means. D. C. Bettison. 2,140,826; Dec. 20.
Valve indicator. C. A. Dopp. 2,140,934; Dec. 20.
Valves, Apparatus for controlling power operated. R. Corsepius and H. Protzen. 2,140,667; Dec. 20.
Vehicle acceleration control apparatus, Railway. C. C. Farmer. 2,140,642; Dec. 20.
Vehicle traction wheel. I. Moen. 2,140,845; Dec. 20.
Vehicles in traffic, System for policing. D. E. Marshall. 2,140,918; Dec. 20.
Vending machine for frozen confections. G. W. Kalbitzer, Jr. 2,140,587; Dec. 20.
Venous occlusion, Method of, and apparatus for producing intermittent. W. S. Collens, N. D. Wilensky, and S. A. Kroll. 2,140,898; Dec. 20.
Ventilator operating mechanism. J. H. Tuttle. 2,140,865; Dec. 20.
Vibrator. H. M. Dressel, K. C. Allison, and E. J. Mastney. 2,140,792; Dec. 20.
Vibrator. E. J. Mastney. 2,140,807; Dec. 20.
Vinyl compound, Manufacture of solutions of a polymerized. H. Rein. 2,140,921; Dec. 20.
Viscosity regulator. H. B. Clarke and H. T. Booth. 2,140,735; Dec. 20.
Wall form clamp. W. de Vigier. 2,140,669; Dec. 20.
Wall, Insulated. H. W. Collins. 2,140,689; Dec. 20.
Wall of brickwork, Coking retort oven heating. J. Daniels. 2,141,035; Dec. 20.
Wall or the like. R. L. Hohl. 2,140,997–2,141,000; Dec. 20.
Washing machine. A. W. Molinare. 2,140,846; Dec. 20.
Water clarifying apparatus for reclaiming oil and grease. J. Hirshstein. 2,140,582; Dec. 20.
Water treatment, Gas holder. J. R. Skeen. 2,141,049; Dec. 20.
Wave transmission, Distortion correction in. J. T. Dixon and J. G. Kreer, Jr. 2,140,900; Dec. 20.
Wave transmission, Distortion correction in. J. G. Kreer, Jr. 2,140,915; Dec. 20.
Weather strip, Door. K. Mirus-Leuschner. 2,140,844; Dec. 20.
Web supply mechanism. O. Schwarz. 2,140,557; Dec. 20.
Web supply mechanism for printing machines. A. J. Horton. 2,140,528; Dec. 20.
Web supply mechanism for printing machines. A. J. Horton. 2,141,137; Dec. 20.
Weighing apparatus. O. P. Haegele. 2,140,796; Dec. 20.
Welding. R. M. Rooke and F. C. Saacke. 2,141,021; Dec. 20.
Well casing perforator. F. R. Ruther and R. M. Ridley. 2,140,813; Dec. 20.
Wetting, cleaning, bleaching, foaming and dispersive agents for textile purposes and the like and application of the same. M. D. Rozenbroek. 2,140,882; Dec. 20.
Wheel: *See*—
Fifth wheel. Vehicle traction wheel.
Window. J. J. Waitekaites. 2,140,890; Dec. 20.
Wipers, Attachment for windshield. M. L. Ryan. 2,141,023; Dec. 20.
Wire handling device. M. J. Hohner. 2,140,676; Dec. 20.
Wire spooling apparatus and tension varying element. H. Zarafu. 2,140,728; Dec. 20.
Wood and the like, Impregnating. P. C. P. and R. G. Booty. 2,140,981; Dec. 20.
Workpieces, Apparatus for making metallic tubular. S. Findlater. 2,141,129; Dec. 20.
Workpieces, Apparatus for turning complex. C. A. Bickel. 2,140,949; Dec. 20.
Workpieces to a separating device, Method and device for feeding lead-like. K. Rohrbacher. 2,140,719; Dec. 20.
Wrapper for chewing gum. A. E. Johanson. 2,140,748; Dec. 20.
X-ray apparatus, High frequency. W. M. Lee. 2,140,707; Dec. 20.
Zinc sulphide, Making. H. A. Depew and W. T. Maidens. 2,140,668; Dec. 20.

CLASSIFICATION OF PATENTS

ISSUED DECEMBER 20, 1938

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

1— 3: 2,140,588
2,140,592
10: 2,140,851
56: 2,140,593
2— 3: 2,140,716
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LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Accardi, Antonio, doing business as A. Accardi & Co., Boston, Mass. Salad and cooking oils. Serial No. 409,251; Dec. 27. Class 46.

Acme Manufacturing Company, Detroit, Mich. Polishing and buffing machines. Serial No. 411,144; Dec. 27. Class 23.

Acme Pie Co., of Cleveland, Ohio, The, Cleveland, Ohio. Toasted pies. Serial No. 412,484; Dec. 27. Class 46.

Adams-Mill's Corporation, High Point, N. C. Hosiery. Serial No. 411,279; Dec. 27. Class 39.

Altschuler-Picard, Fred, Lausanne, Switzerland. Dresses and hats; underwear; etc. Serial No. 410,765; Dec. 27. Class 39.

American Bosch Corporation, Springfield, Mass. Fuel injection equipment and parts thereof. Serial No. 411,361; Dec. 27. Class 23.

American Polytect Corporation, New York, N. Y. Paints. Serial No. 410,944; Dec. 27. Class 16.

Atlas Powder Company, Wilmington, Del. Derivatives of hexahydric alcohols and inner ethers thereof. Serial No. 412,404; Dec. 27. Class 6.

Barr Products Company, San Francisco, Calif. Attachments for containers for measuring and dispensing liquids therefrom. Serial No. 410,823; Dec. 27. Class 26.

Bear Creek Vineyard Association, Lodi, Calif. Wines. Serial No. 412,248; Dec. 27. Class 47.

Bell Syndicate, Inc., The, New York, N. Y. Series of newspaper features. Serial No. 411,206; Dec. 27. Class 38.

Benal Hosiery Co., Inc., New York, N. Y. Hosiery. Serial No. 412,282; Dec. 27. Class 39.

Berst-Forster-Dixfield Company, Dixfield, Maine, and New York, N. Y. Sanitary tongue blades. Serial No. 412,284; Dec. 27. Class 44.

Bestov Products, Inc., New York, N. Y. Beer. Serial No. 402,589; Dec. 27. Class 48.

Betty Anne Bag Company, Newburgh, N. Y. Handbags. Serial No. 411,487; Dec. 27. Class 3.

Botany Worsted Mills, Passaic, N. J. Woolen and worsted fabrics. Serial No. 411,935; Dec. 27. Class 42.

Botany Worsted Mills, Passaic, N. J. Neckties. Serial No. 412,075; Dec. 27. Class 39.

Bourjois, Inc., New York, N. Y. Face powder. Serial No. 411,079; Dec. 27. Class 6.

Bradley, Edith, New York, N. Y. Scalp toning and hair rejuvenating preparations. Serial No. 412,286; Dec. 27. Class 6.

Brady Products Co., Kansas City, Mo. Maltless beverages, and syrups and extracts for making the same. Serial No. 408,006; Dec. 27. Class 45.

Brickner & Bernfeld, Inc., New York, N. Y. Fur skins. Serial No. 409,761; Dec. 27. Class 1.

Bulova Watch Company, Inc., New York, N. Y. Watches. Serial Nos. 412,073–4; Dec. 27. Class 27.

Bunyan, Paul, Inc., St. Paul, Minn. Board game. Serial No. 411,465; Dec. 27. Class 22.

Burgess Battery Company, Freeport, Ill. Dry batteries and flashlight cases. Serial No. 412,217; Dec. 27. Class 21.

California Fruit Growers Exchange, Los Angeles, Calif. Ceramic bowls. Serial No. 403,160; Dec. 27. Class 30.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Dog repellents. Serial No. 411,627; Dec. 27. Class 6.

Callender, Wallace Y., doing business as Retinning Manufacturing Co., Chicago, Ill. Acid and alkali resisting compound. Serial No. 409,293; Dec. 27. Class 6.

Celanese Corporation of America, New York, N. Y. Piece goods. Serial Nos. 411,819–22; Dec. 27. Class 42.

Chatfield, Charles B., Woodbury, Conn. Marking boards and crayons. Serial No. 411,266; Dec. 27. Class 22.

Chisholm-Moore Hoist Corp., Tonawanda, N. Y. Hoists. Serial No. 411,267; Dec. 27. Class 23.

Christina, Vincent, Inc., New York, N. Y. Preparation for syphilis. Serial No. 407,014; Dec. 27. Class 6.

Coffman, Harry J., Los Angeles, Calif. Maltless soft drinks, and flavoring syrups therefor. Serial No. 411,268; Dec. 27. Class 45.

Cohen, M. & B., Co., New York, N. Y. Suits, overcoats, topcoats, etc. Serial No. 411,856; Dec. 27. Class 39.

Conduit Fittings Corporation, Chicago, Ill. Conduit fittings, couplings, bushings, straps, etc. Serial No. 411,047; Dec. 27. Class 21.

Cribari, B., & Sons, Inc., Madrone, Calif. Wines. Serial No. 411,943; Dec. 27. Class 47.

Crompton Company, West Warwick, R. I., assignor to Crompton Company. Textile fabrics. Serial No. 409,261; Dec. 27. Class 42.

Cromwell Paper Company, The, Chicago, Ill. Aprons. Serial No. 411,946; Dec. 27. Class 39.

Cyclone Manufacturing Co., The, Urbana, Ind. Poultry feeders, poultry waterers, poultry brooders, etc. Serial No. 412,125; Dec. 27. Class 50.

Dant & Head Distilling Company, Louisville and Gethsemane, Ky. Whiskey. Serial No. 411,868; Dec. 27. Class 49.

Davidson Enamel Products, Inc., Lima, Ohio. Building blocks or units faced with porcelain enamel steel. Serial No. 411,447; Dec. 27. Class 12.

Dayton Rubber Manufacturing Company, The, Dayton, Ohio. Tires, V-belts, fan belts, etc. Serial No. 408,993; Dec. 27. Class 35.

Denney, Frances, Philadelphia, Pa. Toilet preparations. Serial No. 410,951; Dec. 27. Class 6.

Domino Citrus Association, Inc., Bradenton, Fla. Fresh citrus fruits. Serial No. 412,333; Dec. 27. Class 46.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Chemical compound. Serial No. 412,364; Dec. 27. Class 6.

Dupree Drug Store. (See Dupuy, James R.)

Dupuy, James R., doing business as Dupree Drug Store, Memphis, Tenn. General tonics. Serial No. 411,629; Dec. 27. Class 6.

Durable Blade Company. (See Kaplan, Albert A.)

Eavestaff, W. G., & Sons Limited, London, England. Pianos. Serial No. 398,426; Dec. 27. Class 36.

Eclipse Lawn Mower Company, Prophetstown, Ill. Hand and power lawn mowers. Serial No. 412,087; Dec. 27. Class 23.

Economy Faucet Co., Newark, N. J. Faucets and valves for dispensing beverages. Serial No. 406,637; Dec. 27. Class 13.

Ely & Walker Dry Goods Company, St. Louis, Mo. Foot balls, soccer balls, basket balls, etc. Serial No. 411,526; Dec. 27. Class 22.

Esmond Mills, The, New York, N. Y. Blankets. Serial No. 411,631; Dec. 27. Class 42.

Evans, William H., Los Angeles, Calif. Spread. Serial No. 409,606; Dec. 27. Class 46.

Felton Chemical Company, Inc., Brooklyn, N. Y. Imitation vanilla concentrate. Serial No. 412,443; Dec. 27. Class 46.

Fischer & Co., Inc., New York, N. Y. Ladies' silk pajamas and silk underwear. Serial No. 411,829; Dec. 27. Class 39.

Fleischmanns, New York, N. Y. Boiled hams. Serial No. 400,229; Dec. 27. Class 46.

Fleisher Yarns, Inc., New York, N. Y. Yarns. Serial No. 409,767; Dec. 27. Class 43.

Ford Motor Company, Dearborn, Mich. Automobiles. Serial Nos. 409,348–50; Dec. 27. Class 19.

Frances Emblems, Inc., New York, N. Y. Fabric applique emblems. Serial No. 410,026; Dec. 27. Class 40.

Frank Wraps, Inc., New York, N. Y. Ladies' garments. Serial No. 411,586; Dec. 27. Class 39.

Furniture Merchandising Institute, Chicago, Ill. Household furniture. Serial No. 404,982; Dec. 27. Class 32.

Gans, Kurt, New York, N. Y. Trade publication. Serial No. 412,029; Dec. 27. Class 38.

Gardner, Allyn, Company, The, Baltimore, Md. Metal baking pans. Serial No. 411,073; Dec. 27. Class 13.

Geist, Irving, New York, N. Y. Blouses and dresses. Serial No. 411,495; Dec. 27. Class 39.

General Dyestuff Corporation, New York, N. Y. Water-softening chemicals. Serial No. 411,775; Dec. 27. Class 6.

General Dyestuff Corporation, New York, N. Y. Chemicals used for accelerating the vulcanization of rubber. Serial No. 411,776; Dec. 27. Class 6.

General Mills, Inc., Minneapolis, Minn. Stock food. Serial Nos. 411,450–1; Dec. 27. Class 46.

Givens, Dee R., doing business as Givens & Co., Western Springs, Ill. Baby pads in the nature of posterior aprons. Serial No. 409,094; Dec. 27. Class 39.

Gordon, Benjamin, New York, N. Y. Razor blades. Serial No. 412,134; Dec. 27. Class 23.

Gotham Pressed Steel Corp., New York, N. Y. Game. Serial No. 412,135; Dec. 27. Class 22.

Grandberg Bros. Wall Paper Co., Boston, Mass. Wall paper. Serial No. 412,376; Dec. 27. Class 37.

Guilbeau, Leo, Sunset, La. Sweet potatoes. Serial No. 410,905; Dec. 27. Class 46.

Gwaltney, P. D., Jr. & Co. Inc., Smithfield, Va. Smoked hams. Serial No. 411,334; Dec. 27. Class 46.

Healthwin Packing Company, Napoleon, Ohio. Dog food. Serial No. 412,137; Dec. 27. Class 46.

Hebrew National Kosher Sausage Company, Inc., New York, N. Y. Bologna, salami, corned beef, etc. Serial No. 410,109; Dec. 27. Class 46.

Heineman, Ruth T., Cincinnati, Ohio. Plaques of ceramic material. Serial No. 410,363; Dec. 27. Class 50.

Hercules Powder Company, Wilmington, Del. Textile sizing material. Serial No. 412,031; Dec. 27. Class 6.

Hercules Powder Company, Wilmington, Del. Antifoaming agents, defoaming agents, dyeing agents, etc. Serial No. 412,140; Dec. 27. Class 6.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Herr, Vincent A., doing business as Smok-O-Luxe Mfr's., Collinsville, Ill. Ash trays and holders for cigars and cigarettes. Serial No. 412,338; Dec. 27. Class 8.

Hiaid Products Co. (See Huebner, William F.)

Hockswender, Bernard H., doing business as B. H. Hockswender and Associates, Pittsburgh, Pa. Savings banks and like small portable currency containers. Serial No. 409,997; Dec. 27. Class 25.

Holbrook Hat Company, Perth Amboy, N. J. Men's hats. Serial No. 410,693; Dec. 27. Class 39.

Houston Packing Company, Houston, Tex. Dog food. Serial No. 399,662; Dec. 27. Class 46.

Huebner, William F., doing business as Hiald Products Co., Milwaukee, Wis. Washing fluid and water softener, bleach, germicide, etc. Serial No. 408,058; Dec. 27. Class 6.

Industrial Soap Co., St. Louis, Mo. Shampoo. Serial No. 411,225; Dec. 27. Class 6.

International Dry Goods Company, Inc., Boston, Mass. Hosiery. Serial No. 408,465; Dec. 27. Class 39.

International Silver Company, Meriden, Conn. Silver plated flat-ware and table-ware. Serial No. 412,892; Dec. 27. Class 26.

Ivano Inc., Chicago, Ill. Preparation to clean, preserve, and beautify automobiles, etc. Serial Nos. 410,395–6; Dec. 27. Class 16.

J. V. & Co. (See Vrydaghs, Emile.)

Jacobs, Harry I., New York, N. Y. Trading stamps. Serial No. 410,737; Dec. 27. Class 38.

Juilliard, A. D., & Co., Inc., New York, N. Y. Woolen goods. Serial No. 412,343; Dec. 27. Class 42.

Kane Products, Inc., The, Shelton, Conn. Internal combustion engine detonation suppressor. Serial No. 404,812; Dec. 27. Class 23.

Kaplan, Albert A., doing business as Durable Blade Company, New York, N. Y. Razor blades. Serial No. 412,144; Dec. 27. Class 23.

Kelly, Kitty, Shoe Corporation, New York, N. Y. Bags, trunks, bill folds, etc. Serial No. 368,334; Dec. 27. Class 3.

Kimberly-Clark Corporation, Neenah, Wis. Book and printing papers. Serial No. 412,145; Dec. 27. Class 37.

Knott, Wm. T., Company, Inc., New York, N. Y. Towels. Serial No. 411,379; Dec. 27. Class 42.

Koppitz Melchers, Inc., Detroit, Mich. Beer. Serial No. 405,024; Dec. 27. Class 48.

Kress, S. H., and Company, New York, N. Y. Plastic wood. Serial No. 412,106; Dec. 27. Class 12.

Kress, S. H., and Company, New York, N. Y. Liquid solder, toilet bowl deodorant, and dentifrices. Serial No. 412,190; Dec. 27. Class 6.

Ladie Lassie Frocks Co. (See Schwartz, Isidor.)

Laymon, H. B., doing business as World's Products Company, Spencer, Ind. Spring metal hair pins. Serial No. 410,184; Dec. 27. Class 40.

Lentheric, Incorporated, New York, N. Y. Vanity case containing rouge. Serial No. 409,273; Dec. 27. Class 6.

Lentheric, Incorporated, New York, N. Y. Perfumes and cosmetic creams. Serial No. 412,608; Dec. 27. Class 6.

Lentheric, Incorporated, New York, N. Y. Perfumes and cosmetic creams. Serial No. 412,646; Dec. 27. Class 6.

Lerner, Leopold, New York, N. Y. Neckties and cravats. Serial No. 410,548; Dec. 27. Class 39.

Lewis & Efroh, New York, N. Y. Hats and bandannas. Serial No. 410,960; Dec. 27. Class 39.

Lieberman, Kolbert, Inc., New York, N. Y. Coats, suits, and dresses. Serial No. 400,419; Dec. 27. Class 39.

Loma Linda Food Company, Loma Linda, Calif. Extract of yeast and vegetables. Serial No. 408,612; Dec. 27. Class 46.

Lone Ranger, Inc., The, Detroit, Mich. Cartoon series. Serial No. 411,874; Dec. 27. Class 38.

Lucky Chemical Laboratory Inc., Kearny, N. J. Shoe cleaner. Serial No. 411,875; Dec. 27. Class 4.

MacClatchie Manufacturing Company of California, Compton, Calif. Plug valves. Serial No. 411,958; Dec. 27. Class 13.

Mackintosh, John, & Sons, Ltd. Inc., Boston, Mass. Candy. Serial No. 412,001; Dec. 27. Class 46.

Magnaflux Corporation, Chicago, Ill. Electrical apparatus for magnetic testing of metal articles. Serial No. 411,127; Dec. 27. Class 26.

Marquis, A. N., Company, The, Chicago, Ill. Publications. Serial No. 402,838; Dec. 27. Class 38.

Marquis, A. N., Company, The, Chicago, Ill. Publications. Serial Nos. 403,513–14; Dec. 27. Class 38.

Marshall Field & Company, Chicago, Ill. Hosiery. Serial Nos. 411,407–8; Dec. 27. Class 39.

Mathieson Alkali Works (Inc.), The, New York, N. Y. Bactericide, germicide, deodorant, etc. Serial No. 411,745; Dec. 27. Class 6.

Mayer, Henry, Flushing, Long Island, N. Y. Swimming and beach wearing apparel. Serial No. 398,167; Dec. 27. Class 39.

McGraw Electric Company, Chicago, Ill. Receptacles for household use. Serial No. 411,877; Dec. 27. Class 2.

McGraw Electric Company, Chicago, Ill. Receptacles for household use. Serial No. 411,883; Dec. 27. Class 2.

McKesson & Robbins, Incorporated, Bridgeport and Fairfield, Conn. Razor blades. Serial No. 412,148; Dec. 27. Class 23.

Midwest Orchard Service, Inc., Rock Island, Ill. Hard cider. Serial No. 410,369; Dec. 27. Class 45.

Miller, S. H., & Company, doing business as Miller Laboratories, Youngstown, Ohio. Proprietary medicines. Serial No. 412,299; Dec. 27. Class 6.

Modern Merchandising Bureau, Inc., New York, N. Y. Hats and caps, scarfs, etc. Serial No. 383,282; Dec. 27. Class 39.

Monsanto Chemical Company, St. Louis, Mo. Plastic compositions. Serial No. 411,234; Dec. 27. Class 50.

Morley, I. & R., Ltd., London, England. Hosiery. Serial No. 406,984; Dec. 27. Class 39.

Mosesson, Benjamin D., New York, N. Y. Belts, suspenders, and garters. Serial No. 408,726; Dec. 27. Class 39.

Naamlooze Vennootschap Houtindustrie 'Picus' voorheen J. Brüning & Zoon, Eindhoven, Netherlands. Wooden goods. Serial No. 409,411; Dec. 27. Class 12.

National Drug Company, The, Philadelphia, Pa. Tablets to be taken internally, and ampules for injection. Serial No. 411,339; Dec. 27. Class 6.

National Electric Products Corporation, Pittsburgh, Pa. Electrical duct and fittings for surface wiring systems. Serial No. 403,958; Dec. 27. Class 21.

Nutex Company, The, Philadelphia, Pa., assignor to The Sanitube Company, Newport, R. I. Preparations for the prevention and treatment of social diseases. Serial No. 410,474; Dec. 27. Class 6.

O'Donnell Shoe Company, St. Paul, Minn., and Humboldt, Tenn. Shoes. Serial No. 410,746; Dec. 27. Class 39.

Okola Company, The. (See Young, Lincoln R.)

Oneida Paper Products, Inc., New York, N. Y. Bags which are sold empty. Serial No. 401,942; Dec. 27. Class 2.

Owen, Claude M., Sr., doing business as Sil-Kal Co., Kansas City, Mo. Prophylactic preparation. Serial No. 411,965; Dec. 27. Class 6.

Oyez Chemical Company, New York, N. Y. Wall paper remover and cleaner. Serial No. 412,303; Dec. 27. Class 6.

Paramount Wedding Ring Company. (See Sager, Abraham.)

Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Card game. Serial No. 411,036; Dec. 27. Class 22.

Pennsylvania Woven Wire Company, Lock Haven, Pa. Screen wire cloth. Serial No. 412,114–15; Dec. 27. Class 13.

Pepper, Dr., Tulsa Bottling Company, Tulsa, Okla. Carbonated beverages. Serial No. 411,089; Dec. 27. Class 45.

Plessner, Paul, Company, The, Detroit, Mich. Preparation for gall bladder, bile duct and liver disturbances. Serial No. 412,007; Dec. 27. Class 6.

Plibrico Jointless Firebrick Company, Chicago, Ill. Plastic heat insulating material. Serial No. 411,792; Dec. 27. Class 12.

Portis Bros. Hat Co., Chicago, Ill. Hats and caps. Serial No. 410,748; Dec. 27. Class 39.

Premo Pharmaceutical Laboratories, Inc., New York, N. Y. Preparation for the relief of pain. Serial No. 412,356; Dec. 27. Class 6.

Prince Castles, Naperville, Ill. Ice cream, ices, and malted milk. Serial No. 398,791; Dec. 27. Class 46.

Protex Products Company, Jersey City, N. J. Bags and electric appliance covers. Serial No. 409,890; Dec. 27. Class 2.

Public Ledger, Inc., Philadelphia, Pa. Newspaper articles. Serial No. 410,923; Dec. 27. Class 38.

Pullman, Dave, Akron, Ohio. Razor blades. Serial No. 410,846; Dec. 27. Class 23.

Retinning Manufacturing Co. (See Callender, Wallace V.)

Revlon Nail Enamel Corporation, The, New York, N. Y. Enamel for finger nails. Serial No. 402,952; Dec. 27. Class 6.

Revlon Nail Enamel Corporation, The, New York, N. Y. Enamel for finger nails. Serial No. 403,422; Dec. 27. Class 6.

Rio Grande Valley Citrus Growers Association, Mercedes, Tex. Fresh citrus fruit. Serial No. 404,231; Dec. 27. Class 46.

Rit Products Corporation, Chicago, Ill. Dyes. Serial No. 411,656; Dec. 27. Class 6.

Robbins, Morris B., New York, N. Y. Curtains and draperies. Serial No. 409,746; Dec. 27. Class 42.

Robertson, H. H., Company, Pittsburgh, Pa. Building cement. Serial No. 398,491; Dec. 27. Class 12.

Robin, Jules, Société Anonyme, Cognac, France. Cognac brandy. Serial No. 412,360; Dec. 27. Class 49.

Rona Laboratories, Limited, London, England. Medicated preparations. Serial No. 409,941; Dec. 27. Class 6.

Sacks, Joseph A., doing business as Daisy Whitehead Knitting Co., New York, N. Y. Hosiery. Serial No. 410,889; Dec. 27. Class 39.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Sager, Abraham, doing business as Paramount Wedding Ring Company, Chicago, Ill. Finger rings and wedding rings. Serial No. 410,147; Dec. 27. Class 28.

St. Johnsville Dress Corp., New York, N. Y. Dresses, slacks, shorts, etc. Serial No. 411,480; Dec. 27. Class 39.

Sanitube Company, The. (See Nutex Company, The, assignor.)

Schering Corporation, Bloomfield, N. J. Medicinal preparation. Serial No. 412,466; Dec. 27. Class 6.

Schneider, Ph., Brewing Co., Trinidad, Colo. Beer. Serial No. 409,979; Dec. 27. Class 48.

Schwartz, Isidor, doing business as Ladie Lassie Frock Co., New York, N. Y. Dresses, frocks, and house coats. Serial No. 398,689; Dec. 27. Class 39.

Sears, Roebuck and Co., Chicago, Ill. Overalls. Serial No. 398,064; Dec. 27. Class 39.

Sears, Roebuck and Co., Chicago, Ill. Water softener. Serial No. 398,065; Dec. 27. Class 4.

Selig Company, Inc., The, Atlanta, Ga. Insecticides. Serial No. 412,269; Dec. 27. Class 6.

Shean, Frank W., Tucson, Ariz. Bath solution. Serial No. 407,113; Dec. 27. Class 6.

Sil-Kal Co. (See Owen, Claude M., Sr.)

Smok-O-Luxe Mfr's. (See Herr, Vincent A.)

Snowtex Chemical Co., Melrose, Mass. Laundry bleach. Serial No. 410,240; Dec. 27. Class 6.

Società Anonima Angelo Parodi fu Bmeo, Genoa, Italy. Canned fish. Serial No. 402,488; Dec. 27. Class 46.

Société Anonyme, SVP, Paris, France. News bulletin, a publication, and a periodical. Serial No. 399,207; Dec. 27. Class 38.

Societe d'Electrochimie, d'Electrometallurgie et des Acieres Electriques d'Ugine, Paris, France. Aluminous abrasives. Serial No. 409,443; Dec. 27. Class 4.

Society of Former Special Agents of the Federal Bureau of Investigation Inc., New York, N. Y. Periodical. Serial No. 411,799; Dec. 27. Class 38.

Cpool Cotton Company, The, New York, N. Y. News bulletin. Serial No. 412,233; Dec. 27. Class 38.

Staley, A. E., Manufacturing Company, Decatur, Ill. Soy bean flour. Serial No. 405,839; Dec. 27. Class 46.

Steiner-Liberty Corporation, Baltimore, Md. Garments, pajamas, nightshirts, and underwear. Serial No. 403,970; Dec. 27. Class 39.

Stowaway Boat Company, Long Island City, N. Y. Folding boats. Serial No. 411,913; Dec. 27. Class 19.

Swirls, Inc., Newark, N. J. Carbonated beverages. Serial No. 412,048; Dec. 27. Class 45.

Table Rock Laboratories, Inc., Greenville, S. C. Solution and compressed tablets containing the whole vitamin B complex. Serial No. 411,348; Dec. 27. Class 6.

Textile Corporation of America, New York, N. Y. Rug cushions. Serial No. 409,071; Dec. 27. Class 50.

Tidewater Associated Oil Company, New York, N. Y. Gasoline, lubricating oils and greases. Serial No. 412,118; Dec. 27. Class 15.

Tokheim Oil Tank and Pump Company, Fort Wayne, Ind. Measuring and computing oil and gasolene pumps. Serial No. 412,119; Dec. 27. Class 26.

Tridico, Salvatore, Brooklyn, N. Y. Cigarette wrappers. Serial No. 408,552; Dec. 27. Class 8.

Twentieth-Century Frocks, Los Angeles, Calif. Frocks. Serial No. 411,801; Dec. 27. Class 39.

Underwood, John, & Co., Brooklyn, N. Y. Typewriter ribbons. Serial No. 408,670; Dec. 27. Class 11.

Valley Fruit Company. (See Weir, Roy.)

Vaporate Company, Inc., New York, N. Y. Chemicals for treating films. Serial No. 411,664; Dec. 27. Class 6.

Vrydaghs, Emile, doing business as J. V. & Co., New York, N. Y. Limes, hothouse grapes, and endive or brussels chicory. Serial No. 411,922; Dec. 27. Class 46.

Wagner Electric Corporation, St. Louis, Mo. Rubber repair and replacement parts for vehicle braking apparatus. Serial No. 412,569; Dec. 27. Class 35.

Wamsutta Mills, New Bedford, Mass. Dresses, outer shirts, shorts, etc. Serial No. 411,805; Dec. 27. Class 39.

Washburn Brothers Company, Glasco, N. Y. Bricks. Serial No. 412,016; Dec. 27. Class 12.

Weir, Roy, doing business as Valley Fruit Company, Pharr, Tex. Fresh citrus fruits. Serial Nos. 412,475–7; Dec. 27. Class 46.

Whitehead, Daisy, Knitting Co. (See Sacks, Joseph A.)

Wiener Bros. & Goldsmith, Inc., New York, N. Y. Laces. Serial No. 406,485; Dec. 27. Class 42.

Wollensak Optical Company, Rochester, N. Y. Camera lenses and lens mountings. Serial No. 411,317; Dec. 27. Class 26.

Woodings-Verona Tool Works, Verona, Pa. Spring washers. Serial No. 412,242; Dec. 27. Class 13.

World's Products Company. (See Laymon, H. B.)

Young, Lincoln R., doing business as The Okola Company, Hartford, Conn. Carbonated beverages. Serial No. 411,065; Dec. 27. Class 45.

LIST OF REGISTRANTS OF TRADE-MARKS

Albert Lea Bottling Works, Albert Lea, Minn. Beverages, and syrups, extracts, and flavors used in making the same. 363,481; Dec. 27; Serial No. 409,498; published Oct. 18, 1938. Class 45.

Allen-Wales Adding Machine Corporation, Jersey City, N. J., and New York, N. Y. Adding and calculating machines. 363,421; Dec. 27; Serial No. 403,029; published Oct. 18, 1938. Class 26.

American Merchandise Co., Inc., New York, N. Y. Razor blades. 363,500; Dec. 27; Serial No. 409,905; published Oct. 18, 1938. Class 23.

American Pop Corn Company, Sioux City, Iowa. Electric popcorn poppers. 363,414; Dec. 27; Serial No. 401,975; published Oct. 18, 1938. Class 21.

Anco Corporation, Pittsburgh, Pa. Toilet paper. 363,530; Dec. 27. Class 37.

Appalachian Mills Company, Knoxville, Tenn. Underwear, sweaters, bathing suits. 363,403; Dec. 27; Serial No. 392,184; published Oct. 11, 1938. Class 39.

Aristo Import Co., Inc., New York, N. Y. Watches, clocks, and stop watches. 363,525; Dec. 27. Class 27.

Artcraft Silk Hosiery Mills, Inc., Philadelphia, Pa. Women's hosiery. 363,459; Dec. 27; Serial No. 408,911; published Oct. 11, 1938. Class 39.

Atwell Hosiery Co. (See Schecter & Rothberg.)

Auto-Chlor System, Inc., Memphis, Tenn. Chlorinating units for use with water systems. 363,438; Dec. 27; Serial No. 407,413; published Oct. 18, 1938. Class 13.

Barber, F. S., Machinery Company, Ltd., The, Toronto, Ontario, Canada. Manifold attachments for typewriters. 363,402; Dec. 27; Serial No. 392,074; published Oct. 18, 1938. Class 23.

Barker Bros. Corporation, Los Angeles, Calif. Radio receiving sets. 363,460; Dec. 27; Serial No. 408,912; published Oct. 18, 1938. Class 21.

Barker Bros. Corporation, Los Angeles, Calif. Furniture. 363,473; Dec. 27; Serial No. 409,340; published Oct. 18, 1938. Class 32.

Bentley Motors (1931) Limited, London, England. Engines and parts thereof, Internal combustion. 363,400; Dec. 27; Serial No. 388,703; published Oct. 18, 1938. Class 23.

Bergen, Edgar J., Hollywood, Calif. Dolls. 363,505; Dec. 27; Serial No. 409,989; published Oct. 18, 1938. Class 22.

Bliss, E. W., Company, New York, N. Y. Metal working presses, metal drawing machines, etc. 363,434–5; Dec. 27; Serial Nos. 407,051–2; published Oct. 18, 1938. Class 23.

Bloomfield Manufacturing Company, Chicago, Ill. Counter rack. 363,509–10; Dec. 27; Serial Nos. 410,354–5; published Oct. 18, 1938. Class 32.

Blue Swan Mills Inc., New York, N. Y. Ladies' underwear. 363,445; Dec. 27; Serial No. 408,005; published Oct. 11, 1938. Class 39.

Blystone, F. M., Inc., Elmira, N. Y. Mattresses and box springs. 363,506; Dec. 27; Serial No. 410,247; published Oct. 18, 1938. Class 32.

Böhme Fettchemie-Gesellschaft mit beschränkter Haftung, Chemnitz, Germany, assignor to E. I. du Pont de Nemours & Company, Incorporated, Wilmington, Del. Chemical abrasive compounds, washing preparations, etc. 363,427; Dec. 27; Serial No. 404,110; published Oct. 18, 1938. Class 4.

Bosch, Robert, Gesellschaft mit beschränkter Haftung, Stuttgart, Germany. Glow plugs, used with internal combustion engines, and direction indicators and switches therefor. 363,528; Dec. 27. Class 21.

Bosch, Robert, Gesellschaft mit beschränkter Haftung, Stuttgart, Germany. Fuel supply pumps, filters, governors, etc. 363,529; Dec. 27. Class 23.

Breitstein Manufacturing Co., Inc., doing business as Brown Derby Coat Co., Los Angeles, Calif. Ladies' and misses' coats and suits. 363,467; Dec. 27; Serial No. 409,230; published Oct. 11, 1938. Class 39.

Bright Biscuit Company, Inc., Kansas City, Kans. Crackers. 363,501; Dec. 27; Serial No. 409,908; published Oct. 18, 1938. Class 46.

Broadstreet's, Inc., New York, N. Y. Coats, vests, pants, etc. 363,447; Dec. 27; Serial No. 408,230; published Oct. 11, 1938. Class 39.

Brown Derby Coat Co. (See Breitstein Manufacturing Co., Inc.)

Burpee, W. Atlee, Company, Philadelphia, Pa. Garden seeds. 363,433; Dec. 27; Serial No. 405,983; published Oct. 18, 1938. Class 1.

Cadet Smoke Stand Company. (See Dick, Talbert M., and Maurice J.)

Calle & Perez, Buenos Aires, Argentina. Articles of cutlery. 363,423; Dec. 27; Serial No. 403,612; published Oct. 18, 1938. Class 23.

Camden Furniture Company, Camden, Ark. Furniture. 363,431; Dec. 27; Serial No. 405,762; published Oct. 18, 1938. Class 32.

Cardinal Laboratories, Inc., Chicago, Ill. Polishes, wax, linseed oil, etc. 363,437; Dec. 27; Serial No. 407,357; published Oct. 18, 1938. Class 16.

Center Music Stores, Inc., New York, N. Y. Phonograph needles. 363,416; Dec. 27; Serial No. 402,115; published Oct. 18, 1938. Class 36.

Chais, Jacob S., doing business as La Brea Photo Laboratories, Los Angeles, Calif. Sensitized photographic paper. 363,418; Dec. 27; Serial No. 402,623; published Oct. 18, 1938. Class 26.

Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Containers, and parts thereof and closures therefor. 363,513; Dec. 27. Class 2.

Continental Radio and Television Corporation, Chicago, Ill. Radio receiving sets and combination radio receiving sets and phonographs. 363,458; Dec. 27; Serial No. 408,875; published Oct. 18, 1938. Class 21.

Conway Import Co., Inc., Long Island City, N. Y. Salad oil, olive oil, cottonseed oil, etc. 363,419; Dec. 27; Serial No. 402,813; published Oct. 18, 1938. Class 46.

Crookham Company, Caldwell, Idaho. Corn seed. 363,439; Dec. 27; Serial No. 407,425; published Oct. 18, 1938. Class 1.

Crown Fastener Corporation, Warren, R. I. Separable slide fasteners. 363,469; Dec. 27; Serial No. 409,262; published Oct. 18, 1938. Class 13.

Dalsey, David, doing business as Dalsey Co., Chicago, Ill. Food composition. 363,492; Dec. 27; Serial No. 409,681; published Oct. 18, 1938. Class 46.

Dayton Rubber Manufacturing Company, The, Dayton, Ohio. Tires. 363,474; Dec. 27; Serial No. 409,347; published Oct. 18, 1938. Class 35.

Dick, A. B., Company, Chicago, Ill. Apparatus for use in making tracings or drawings on paper or stencil sheets. 363,415; Dec. 27; Serial No. 401,991; published Oct. 18, 1938. Class 26.

Dick, Talbert M., and Maurice J. Fletcher, assignors to T. M. Dick, as trustee for Cadet Smoke Stand Company, Des Moines, Iowa. Tobacco ash receptacles. 363,401; Dec. 27; Serial No. 391,904; published Oct. 18, 1938. Class 8.

Dorr Company, Inc., The, New York, N. Y. Apparatus for the treatment of solids suspended in liquids. 363,502; Dec. 27; Serial No. 409,914; published Oct. 18, 1938. Class 23.

Du Pont, E. I., de Nemours & Company. (See Böhme Fettchemie-Gesellschaft mit beschränkter Haftung, assignor.)

Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Photographic film. 363,440; Dec. 27; Serial No. 407,626; published Oct. 18, 1938. Class 26.

Elder Manufacturing Company, St. Louis, Mo. Shirts, collars, pajamas, etc. 363,478; Dec. 27; Serial No. 409,422; published Oct. 11, 1938. Class 39.

Elgin Laboratories Inc., Chicago, Ill. Sewing machines and parts thereof. 363,534; Dec. 27. Class 23.

Emery Industries, Inc., Cincinnati, Ohio. Detergents. 363,479; Dec. 27; Serial No. 409,463; published Oct. 18, 1938. Class 4.

Esbeco Distilling Corporation, Stamford, Conn. Whiskey. 363,517; Dec. 27. Class 49.

Fasteeth, Incorporated, Binghamton, N. Y. Dental plate cleaner. 363,531; Dec. 27. Class 4.

Feller, Harry, Company, Inc., Louisville, Ky. Piece goods. 363,526; Dec. 27. Class 42.

Fletcher, Maurice J. (See Dick, Talbert M., and Maurice J. Fletcher.)

Florida Citrus Exchange, Tampa, Fla. Fresh and canned citrus fruits and juices. 363,522–3; Dec. 27. Class 46.

Fruit of the Loom, Inc., Providence, R. I. Sheets, pillowcases, and cotton piece goods. 363,475–6; Dec. 27; Serial Nos. 409,394–5; published Oct. 18, 1938. Class 42.

Gamble Stores, Incorporated, Minneapolis, Minn. Paints. 363,490; Dec. 27; Serial No. 409,611; published Oct. 18, 1938. Class 16.

Germac Co., New York, N. Y. Perfumed writing ink. 363,520; Dec. 27. Class 11.

German Seed and Plant Company, Los Angeles, Calif. Flower seeds. 363,406; Dec. 27; Serial No. 396,678; published Nov. 16, 1937. Class 1.

Giese, Otto E., doing business as August Giese & Son, New York, N. Y. Filters and parts thereof. 363,508; Dec. 27; Serial No. 410,327; published Oct. 18, 1938. Class 31.

Goldman, Wm. P., & Bros., Inc., New York, N. Y. Men's suits and coats. 363,408; Dec. 27; Serial No. 397,708; published Oct. 11, 1938. Class 39.

Grand Bag & Paper Co., Inc., New York, N. Y. Toilet tissue paper in rolls. 363,412; Dec. 27; Serial No. 401,143; published Oct. 18, 1938. Class 37.

Hall Hardware Company, Minneapolis, Minn. Hoes, rakes, hay forks, etc. 363,503; Dec. 27; Serial No. 409,918; published Oct. 18, 1938. Class 23.

Henschel, Theodore C., doing business as Henschel Supply Company, New York, N. Y. Polishes, waxes, polishing compounds. 363,441; Dec. 27; Serial No. 407,648; published Oct. 18, 1938. Class 16.

Henig, Jack L., Inc., New York, N. Y. Children's dresses. 363,484; Dec. 27; Serial No. 409,571; published Oct. 11, 1938. Class 39.

Huff, Mabel W., doing business as Mabel's Muffin Mix Co., Evansville, Ind. Muffin mix. 363,482; Dec. 27; Serial No. 409,524; published Oct. 18, 1938. Class 46.

Hughes Tool Company, Houston, Tex. Well drills. 363,524; Dec. 27. Class 23.

Hyglenol Co. Inc., The, New Rochelle, N. Y. Powder puffs. 363,504; Dec. 27; Serial No. 409,921; published Oct. 18, 1938. Class 29.

International Parts Corp., Chicago, Ill. Mufflers and parts thereof, axle and drive shafts, etc. 363,456; Dec. 27; Serial No. 408,800; published Oct. 18, 1938. Class 23.

Joseph & Feiss Company, The, Cleveland, Ohio. Suits, topcoats, overcoats, etc. 363,452; Dec. 27; Serial No. 408,605; published Oct. 11, 1938. Class 39.

Kisco Company, Inc., St. Louis, Mo. Fan and table combination. 363,424; Dec. 27; Serial No. 403,727; published Oct. 18, 1938. Class 34.

Kramer, Harold, Valley Stream, N. Y. Jellies, fruit and berry preserves, etc. 363,444; Dec. 27; Serial No. 407,867; published Oct. 18, 1938. Class 46.

Kwik Kleen Filter Company. (See Miller, Gunhild I.)

La Brea Photo Laboratories. (See Chais, Jacob S.)

LaVogue Dress Company, Incorporated, St. Louis, Mo. Dresses. 363,457; Dec. 27; Serial No. 408,804; published Oct. 11, 1938. Class 39.

Laxer, Louis, Inc., New York, N. Y. Blouses, waists, house coats, etc. 363,443; Dec. 27; Serial No. 407,757; published Oct. 11, 1938. Class 39.

Le Bel, Clarence J., New York, N. Y. Radio receivers; electrical devices. 363,410; Dec. 27; Serial No. 399,360; published Oct. 18, 1938. Class 21.

Lee Paper Company, Vicksburg, Mich. Bond paper. 363,498; Dec. 27; Serial No. 409,881; published Oct. 18, 1938. Class 37.

Lee Paper Company, Vicksburg, Mich. Bond paper. 363,499; Dec. 27; Serial No. 409,883; published Oct. 18, 1938. Class 37.

Livingston, L. D., & Sons, New York, N. Y. Knitted dresses, blouses, and sweaters. 363,429; Dec. 27; Serial No. 404,719; published June 14, 1938. Class 39.

Logan Garment Co., Logan, Utah. Suits, hats, dresses, etc. 363,409; Dec. 27; Serial No. 399,191; published Oct. 11, 1938. Class 39.

Lorraine Manufacturing Company, Pawtucket, R. I., and New York, N. Y. Skirts, waists, suits, etc. 363,471; Dec. 27; Serial No. 409,321; published Oct. 11, 1938. Class 39.

Lowenbaum, R., Manufacturing Co., St. Louis, Mo. Frocks and dresses. 363,428; Dec. 27; Serial No. 404,651; published Oct. 4, 1938. Class 39.

Mabel's Muffin Mix Co. (See Huff, Mabel W.)

Mackintosh, John, & Sons, Ltd., Inc., Boston, Mass. Candy. 363,472; Dec. 27; Serial No. 409,323; published Oct. 18, 1938. Class 46.

Maillard, Henry, Inc., New York, N. Y. Candy, bonbons, chocolates, etc. 363,417; Dec. 27; Serial No. 402,482; published Oct. 18, 1938. Class 46.

Majestic Knitwear Company, The, Cleveland, Ohio. Skirts, sweaters, and dresses. 363,453; Dec. 27; Serial No. 408,614; published Oct. 11, 1938. Class 39.

Mann, Joseph, Boston, Mass. Men's and boys' hosiery. 363,462; Dec. 27; Serial No. 409,046; published Oct. 11, 1938. Class 39.

Mannings, Inc., doing business as Mannings, San Francisco, Calif. Coffee and tea. 363,512; Dec. 27. Class 46.

Mannone, Joseph, doing business as Mannone's Italian Food Products, Detroit, Mich. Sauces. 363,425; Dec. 27; Serial No. 403,772; published Oct. 18, 1938. Class 46.

Manville Jenckes Corporation, Manville, R. I. Piece goods. 363,422; Dec. 27; Serial No. 403,052; published Oct. 18, 1938. Class 42.

Marghab, Vera W., New York, N. Y., assignor to Emile Marghab, Incorporated. Table cloths, towels, sheetings, etc. 363,485; Dec. 27; Serial No. 409,580; published Oct. 18, 1938. Class 42.

McClure's Inc., Nashville, Tenn. Wearing apparel. 363,399; Dec. 27; Serial No. 380,783; published Oct. 11, 1938. Class 39.

McGraw Electric Company, Chicago, Ill., and St. Louis, Mo. Fuses and circuit makers and breakers. 363,405; Dec. 27; Serial No. 395,744; published Oct. 18, 1938. Class 21.

McGraw-Pennell, Inc., Detroit, Mich. Nozzle spouts. 363,470; Dec. 27; Serial No. 409,278; published Oct. 18, 1938. Class 13.

Mee-Tee-Dee Lites. (See Snovel, Harry H.)

Mendelsohn, Felix, Jr., Chicago, Ill. Game played with cards. 363,468; Dec. 27; Serial No. 409,242; published Oct. 18, 1938. Class 22.

Meyer, Fred, Inc., Portland, Oreg. Matches. 363,535; Dec. 27. Class 9.

Miller, Gunhild I., doing business as Kwik Kleen Filter Company. Filters. 363,533; Dec. 27. Class 31.

Moyer Manufacturing Company, The, Youngstown, Ohio. Men's and boys' suits. 363,477; Dec. 27; Serial No. 409,410; published Oct. 11, 1938. Class 39.

New Orleans Brewing Company, Inc., New Orleans, La. Beer. 363,461; Dec. 27; Serial No. 409,008; published Oct. 18, 1938. Class 48.

New Process Company, Warren, Pa. Topcoats. 363,446; Dec. 27; Serial No. 408,126; published Oct. 11, 1938. Class 39.

Nolde and Horst Company, The, Reading, Pa. Ladies' hosiery. 363,486; Dec. 27; Serial No. 409,584; published Oct. 11, 1938. Class 39.

Northmont Hosiery Corporation, Reading, Pa., and New York, N. Y. Hosiery. 363,463–5; Dec. 27; Serial Nos. 409,053–5; published Oct. 11, 1938. Class 39.

Old Colony Knitting Mills, Inc., Hingham, Mass. Knitted sweaters. 363,420; Dec. 27; Serial No. 402,867; published Oct. 11, 1938. Class 39.

Pacific Distillers, Inc., Culver City, Calif. Gin. 363,514; Dec. 27. Class 49.

Pacific Fruit and Produce Company, Inc., Seattle, Wash. Fresh bananas. 363,516; Dec. 27. Class 46.

Penick & Ford, Ltd. Incorporated, New York, N. Y. Baking emulsion. 363,480; Dec. 27; Serial No. 409,485; published Oct. 18, 1938. Class 46.

Peter, William, Brewing Corp., The, Union City, N. J. Beer. 363,518; Dec. 27. Class 48.

Perlberg & Tannenbaum, Inc., New York, N. Y. Infants' and children's dresses. 363,430; Dec. 27; Serial No. 405,522; published Oct. 11, 1938. Class 39.

Phoenix Manufacturing Company, Joliet, Ill. Bushings. 363,495; Dec. 27; Serial No. 409,743; published Oct. 18, 1938. Class 13.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Sanitary napkins. 363,519; Dec. 27. Class 44.

Premier Bed & Spring Company, San Francisco, Calif. Bed springs, box springs, studio couches, etc. 363,413; Dec. 27; Serial No. 401,948; published Feb. 22, 1938. Class 32.

Rhea Manufacturing Company, Milwaukee, Wis. Dresses. 363,491; Dec. 27; Serial No. 409,622; published Oct. 11, 1938. Class 39.

Robinson Mfg. Company, Inc., Dayton, Tenn. Men's underwear. 363,450; Dec. 27; Serial No. 408,578; published Oct. 11, 1938. Class 39.

Ruskin, Benjamin F., New York, N. Y. Rubber-backed cloth. 363,451; Dec. 27; Serial No. 408,579; published Oct. 18, 1938. Class 50.

Saccone, Speed & Jenney, Inc., New York, N. Y. Rum. 363,448; Dec. 27; Serial No. 408,356; published Oct. 18, 1938. Class 49.

Schafran & Finkel, Inc., New York, N. Y. Blankets. 363,432; Dec. 27; Serial No. 405,898; published Oct. 18, 1938. Class 42.

Schecter & Rothberg, doing business as Atwell Hosiery Co., New York, N. Y. Hosiery. 363,455; Dec. 27; Serial No. 408,764; published Oct. 11, 1938. Class 39.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Adhesive bandage and foot plaster. 363,493; Dec. 27; Serial No. 409,709; published Oct. 18, 1938. Class 44.

Sloane-Blabon Corporation, Trenton, N. J. Linoleum tile, linoleum wall and floor coverings. 363,511; Dec. 27. Class 20.

Snovel, Harry H., doing business as Mee-Tee-Dee Lites, Van Wert, Ohio. Food product. 363,466; Dec. 27; Serial No. 409,110; published Oct. 18, 1938. Class 46.

Steinpel, Irving, & Co. Inc., New York, N. Y. Sport and street dresses. 363,407; Dec. 27; Serial No. 397,691; published Dec. 7, 1937. Class 39.

Stoeger Arms Corporation, New York, N. Y. Rifle barrels, rifle barrel blanks, gunstock blanks, etc. 363,527; Dec. 27. Class 9.

Sunny Valley Winery, Inc. (See Vineyards of America, Inc.)

Tenacity Manufacturing Company, The, Lockland, Ohio. Loose-leaf books, binders, filing apparatus, and parts thereof. 363,494; Dec. 27; Serial No. 409,713; published Oct. 18, 1938. Class 37.

Train & McIntyre, Limited, Glasgow, Scotland. Scotch whisky. 363,426; Dec. 27; Serial No. 403,837; published Oct. 18, 1938. Class 49.

Tuttle, Rosa E., Newark, N. J. Dental casting golds. 363,442; Dec. 27; Serial No. 407,699; published Oct. 18, 1938. Class 44.

Uncle Josh Bait Company, Fort Atkinson, Wis. Fish bait. 363,507; Dec. 27; Serial No. 410,318; published Oct. 18, 1938. Class 22.

Vineyards of America, Inc., Brooklyn, N. Y., now by change of name Sunny Valley Winery, Inc. Burgundy, muscatel, claret, etc. 363,496; Dec. 27; Serial No. 409,789; published Oct. 18, 1938. Class 47.

Walter, D. N. & E., & Co., San Francisco, Calif. Venetian blinds. 363,532; Dec. 27. Class 32.

Ward Dry Milk Company, St. Paul, Minn. Powdered acid buttermilk. 363,411; Dec. 27; Serial No. 410,085; published Oct. 18, 1938. Class 46.

Warnecke & Böhm, Berlin-Weissensee, Germany. Paint, lacquers, stains, etc. 363,404; Dec. 27; Serial No. 407,664; published Oct. 25, 1938. Class 16.

Washington Dental Company, Washington, D. C. Dental restorations. 363,487–9; Dec. 27; Serial Nos. 409,596–8; published Oct. 18, 1938. Class 44.

Weinmann & Cuenl, New York, N. Y. Steel spiral for use with reinforced concrete construction. 363,521; Dec. 27. Class 12.

Weisberger, David, New York, N. Y. Machine designed for measuring feet. 363,454; Dec. 27; Serial No. 408,674; published Oct. 18, 1938. Class 26.

West Kentucky Coal Company, Sturgis, Ky. Coal. 363,515; Dec. 27. Class 1.

Wickwire Spencer Steel Company, New York, N. Y. Wire mesh conveyor aprons, motor springs, card clothing, etc. 363,449; Dec. 27; Serial No. 408,556; published Oct. 18, 1938. Class 23.

Wilson Brothers, Chicago, Ill. Men's sport jackets. 363,497; Dec. 27; Serial No. 409,795; published Oct. 11, 1938. Class 39.

Young, Hugh E., & Company, Chicago, Ill. Electric control equipment and apparatus. 363,436; Dec. 27; Serial No. 407,348; published Oct. 18, 1938. Class 21.

Zink, John S., doing business as John Zink Company, Tulsa, Okla. Gas burners and combination oil and gas burners. 363,483; Dec. 27; Serial No. 409,546; published Oct. 18, 1938. Class 34.

LIST OF REGISTRANTS OF LABELS

Alabama-Georgia Syrup Company, Montgomery, Ala. Alagn. For Cane and Corn Syrup. 52,267; Dec. 27.

Atlas Baking Company, Inc., Richmond, Va. Vim Bread. For Bread. 52,268; Dec. 27.

Calvert Hats, Inc., Baltimore, Md. Screenland. For Men's Hats. 52,269; Dec. 27.

Calvert Hats, Inc., Baltimore, Md. Movie-Town. For Men's Hats. 52,270; Dec. 27.

Clayton, A. C., Printing Co., St. Louis, Mo. Fine Footwear, For Footwear. 52,271; Dec. 27.

Colonial Works, Brooklyn, N. Y. Colonial Brownzite. For a Ready Mixed Brown Paint. 52,272; Dec. 27.

Grimmer Coffee Company, Lafayette, La. Creole Belle. For Coffee. 52,273; Dec. 27.

Hoague-Sprague Corporation, Lynn, Mass. Princess Chic. For Boxes. 52,274; Dec. 27.

Hoague-Sprague Corporation, Lynn, Mass. Radcliffe Shoes. For Boxes. 52,275; Dec. 27.

Hoague-Sprague Corporation, Lynn, Mass. Beautiful Shoes. For Boxes. 52,276; Dec. 27.

Little Crow Milling Company, Inc., Warsaw, Ind. Coco-Wheats. For a Cocoa Coated Wheat Cereal. 52,277; Dec. 27.

McIlhaney, Joe. S., doing business as McIlhaney Dairy Products, Lubbock, Tex. Western Style Dairy-Fresh Butter. For Butter. 52,278; Dec. 27.

Municipal Liquor Stores Association, Two Harbors, Minn. M.L.S.A. Kentucky Straight Bourbon Whiskey. For Kentucky Straight Bourbon Whiskey. 52,279; Dec. 27.

Myers, Harold C., doing business as E. B. Myers Co., Los Angeles, Calif. California for You. For Beach and Sportswear. 52,280; Dec. 27.

Northmont Hosiery Corporation, Reading, Pa. Dayette. For Hosiery. 52,281; Dec. 27.

O-Cedar Corp'n, Chicago, Ill. O-So-Ezy White Shoe Cleaner. For a White Shoe Cleaner for All White Shoes. 52,282; Dec. 27.

O-Cedar Corp'n, Chicago, Ill. O-Cedar Machine Oil. For Machine Oil, an All Purpose Lubricating Oil for Home, Shop and Office Use. 52,283; Dec. 27.

Rantz, Grace, Cleveland, Ohio. Shot. For Straight Bourbon Whiskey. 52,284; Dec. 27.

Thomas Supply Co., Lilypons, Md. Blue Lily Brand. For Sugar Corn. 52,285; Dec. 27.

Young, Alexander, Distilling Co., Philadelphia, Pa. Young's. For Blended Whiskey. 52,286; Dec. 27.

Young, Alexander, Distilling Co., Philadelphia, Pa. Young's. For Distilled Dry Gin. 52,287; Dec. 27.

LIST OF REGISTRANTS OF PRINTS

Keasbey & Mattison Company, Ambler, Pa. Linabestos. For Asbestos Cement Boards. 17,170; Dec. 27.

Welch Fruit Products Co., Chicago, Ill. Sensation of the Year. For Ice Cream. 17,171; Dec. 27.

Welch Fruit Products Co., Chicago, Ill. Take Home Black Kow Ice Cream! A New Treat! For Ice Cream. 17,172; Dec. 27.

Welch Fruit Products Co., Chicago, Ill. A New Taste Thrill! Try a Black Kow Cone. For Ice Cream. 17,173; Dec. 27.

Welch Fruit Products Co., Chicago, Ill. A New Taste Thrill! For Ice Cream. 17,174; Dec. 27.

Welch Fruit Products Co., Chicago, Ill. Tempting . . Delicious. For Ice Cream. 17,175; Dec. 27.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. West Kentucky Coal Company. 363,515; Dec. 27.
Seed, Corn. Crookham Company. 363,439; Dec. 27; Serial No. 407,425; published Oct. 18, 1938.
Seeds, Flower. Germain Seed and Plant Company. 363,406; Dec. 27; Serial No. 396,678; published Nov. 16, 1937.
Seeds, Garden. W. Atlee Burpee Company. 363,433; Dec. 27; Serial No. 405,983; published Oct. 18, 1938.

CLASS 2

Containers, and parts thereof and closures therefor. Colt's Patent Fire Arms Manufacturing Company. 363,513; Dec. 27.

CLASS 4

Chemical abrasive compounds, washing preparations, etc. Böhme Fettchemie-Gesellschaft mit beschrankter Haftung. 363,427; Dec. 27; Serial No. 404,110; published Oct. 18, 1938.
Cleaner, Dental plate. Fasteeth, Incorporated. 363,531; Dec. 27.
Detergents. Emery Industries, Inc. 363,479; Dec. 27; Serial No. 409,463; published Oct. 18, 1938.

CLASS 8

Tobacco ash receptacles. Talbert M. Dick and Maurice J. Fletcher. 363,401; Dec. 27; Serial No. 391,904; published Oct. 18, 1938.

CLASS 9

Matches. Fred Meyer, Inc. 363,535; Dec. 27.
Rifle barrels, rifle barrel blanks, gunstock blanks, etc. Stoeger Arms Corporation. 363,527; Dec. 27.

CLASS 11

Ink, Perfumed writing. Germac Co. 363,520; Dec. 27.

CLASS 12

Steel spiral for use with reinforced concrete construction. Weinmann & Cueni. 363,521; Dec. 27.

CLASS 13

Bushings. Phoenix Manufacturing Company. 363,495; Dec. 27; Serial No. 409,743; published Oct. 18, 1938.
Chlorinating units for use with water systems. Auto-Chlor System, Inc. 363,438; Dec. 27; Serial No. 407,413; published Oct. 18, 1938.
Fasteners, Separable slide. Crown Fastener Corporation. 363,469; Dec. 27; Serial No. 409,262; published Oct. 18, 1938.
Nozzle spouts. McGraw-Pennell, Inc. 363,470; Dec. 27; Serial No. 409,278; published Oct. 18, 1938.

CLASS 16

Paint, lacquers, stains, etc. Warnecke & Böhm. 363,404; Dec. 27; Serial No. 407,664; published Oct. 25, 1938.
Paints. Gamble Stores, Incorporated. 363,490; Dec. 27; Serial No. 409,611; published Oct. 18, 1938.
Polishes, wax, linseed oil, etc. Cardinal Laboratories, Inc. 363,437; Dec. 27; Serial No. 407,357; published Oct. 18, 1938.
Polishes, waxes, polishing compounds. T. C. Henschel. 363,441; Dec. 27; Serial No. 407,648; published Oct. 18, 1938.

CLASS 20

Linoleum tile, linoleum wall and floor coverings. Sloane-Blabon Corporation. 363,511; Dec. 27.

CLASS 21

Electric control equipment and apparatus. Hugh E. Young & Company. 363,436; Dec. 27; Serial No. 407,348; published Oct. 18, 1938.
Fuses and circuit makers and breakers. McGraw Electric Company. 363,405; Dec. 27; Serial No. 395,744; published Oct. 18, 1938.
Glow plugs, used with internal combustion engines, and direction indicators and switches therefor. Robert Bosch Gesellschaft mit beschränkter Haftung. 363,528; Dec. 27.
Poppers, Electric popcorn. American Pop Corn Company. 363,414; Dec. 27; Serial No. 401,975; published Oct. 18, 1938.
Radio receivers; electrical devices. C. J. Le Bel. 363,410; Dec. 27; Serial No. 399,360; published Oct. 18, 1938.
Radio receiving sets. Barker Bros. Corporation. 363,460; Dec. 27; Serial No. 408,912; published Oct. 18, 1938.
Radio receiving sets and combination radio receiving sets and phonographs. Continental Radio and Television Corporation. 363,458; Dec. 27; Serial No. 408,875; published Oct. 18, 1938.

CLASS 22

Dolls. E. J. Bergen. 363,505; Dec. 27; Serial No. 409,989; published Oct. 18, 1938.
Fish bait. Uncle Josh Bait Company. 363,507; Dec. 27; Serial No. 410,318; published Oct. 18, 1938.
Game played with cards. F. Mendelsohn, Jr. 363,468; Dec. 27; Serial No. 409,242; published Oct. 18, 1938.

CLASS 23

Apparatus for the treatment of solids suspended in liquids. Dorr Company. 363,502; Dec. 27; Serial No. 409,914; published Oct. 18, 1938.
Articles of cutlery. Calle & Perez. 363,423; Dec. 27; Serial No. 403,612; published Oct. 18, 1938.
Conveyor aprons, motor springs, card clothing, etc., Wire mesh. Wickwire Spencer Steel Company. 363,449; Dec. 27; Serial No. 408,556; published Oct. 18, 1938.
Drills, Well. Hughes Tool Company. 363,524; Dec. 27.
Engines and parts thereof, Internal combustion. Bentley Motors (1931) Limited. 363,400; Dec. 27; Serial No. 388,703; published Oct. 18, 1938.
Hoes, rakes, hay forks, etc. Hall Hardware Company. 363,503; Dec. 27; Serial No. 409,918; published Oct. 18, 1938.
Manifold attachments for typewriters. F. F. Barber Machinery Company. 363,402; Dec. 27; Serial No. 392,074; published Oct. 18, 1938.
Mufflers and parts thereof, axle and drive shafts, etc. International Parts Corp. 363,456; Dec. 27; Serial No. 408,800; published Oct. 18, 1938.
Presses, metal drawing machines, etc., Metal working. E. W. Bliss Company. 363,434–5; Dec. 27; Serial Nos. 407,051–2; published Oct. 18, 1938.
Pumps, filters, governors, etc., Fuel supply. Robert Bosch Gesellschaft mit beschränkter Haftung. 363,529; Dec. 27.
Razor blades. American Merchandise Co. 363,500; Dec. 27; Serial No. 409,905; published Oct. 18, 1938.
Sewing machines and parts thereof. Elgin Laboratories Inc. 363,534; Dec. 27.

CLASS 26

Adding and calculating machines. Allen-Wales Adding Machine Corporation. 363,421; Dec. 27; Serial No. 403,029; published Oct. 18, 1938.
Apparatus for use in making tracings or drawings on paper or stencil sheets. A. B. Dick Company. 363,415; Dec. 27; Serial No. 401,991; published Oct. 18, 1938.
Film, Photographic. Eastman Kodak Company. 363,440; Dec. 27; Serial No. 407,626; published Oct. 18, 1938.
Machine designed for measuring feet. D. Weisberger. 363,454; Dec. 27; Serial No. 408,674; published Oct. 18, 1938.
Photographic paper, Sensitized. J. S. Chais. 363,418; Dec. 27; Serial No. 402,623; published Oct. 18, 1938.

CLASS 27

Watches, clocks, and stop watches. Aristo Import Co. 363,525; Dec. 27.

CLASS 29

Puffs, Powder. Hygienol Co. Inc. 363,504; Dec. 27; Serial No. 409,921; published Oct. 18, 1938.

CLASS 31

Filters. G. I. Miller. 363,533; Dec. 27.
Filters and parts thereof. O. E. Giese. 363,508; Dec. 27; Serial No. 410,327; published Oct. 18, 1938.

CLASS 32

Blinds, Venetian. D. N. & E. Walter & Co. 363,532; Dec. 27.
Furniture. Barker Bros. Corporation. 363,473; Dec. 27; Serial No. 409,340; published Oct. 18, 1938.
Furniture. Camden Furniture Company. 363,431; Dec. 27; Serial No. 405,762; published Oct. 18, 1938.
Mattresses and box springs. F. M. Blystone, Inc. 363,506; Dec. 27; Serial No. 410,247; published Oct. 18, 1938.
Rack, Counter. Bloomfield Manufacturing Company. 363,509–10; Dec. 27; Serial Nos. 410,354–5; published Oct. 18, 1938.
Springs, box springs, studio couches, etc., Bed. Premier Bed & Spring Company. 363,413; Dec. 27; Serial No. 401,948; published Feb. 22, 1938.

CLASS 34

Burners and combination oil and gas burners, Gas. J. S. Zink. 363,483; Dec. 27; Serial No. 409,546; published Oct. 18, 1938.
Fan and table combination. Kisco Company. 363,424; Dec. 27; Serial No. 403,727; published Oct. 18, 1938.
Tires. Dayton Rubber Manufacturing Company. 363,474; Dec. 27; Serial No. 409,347; published Oct. 18, 1938.

CLASS 36

Phonograph needles. Center Music Stores, Inc. 363,416; Dec. 27; Serial No. 402,115; published Oct. 18, 1938.

CLASS 37

Books, binders, filing apparatus, and parts thereof, Loose-leaf. Tenacity Manufacturing Company. 363,494; Dec. 27; Serial No. 409,713; published Oct. 18, 1938.
Paper, Bond. Lee Paper Company. 363,498; Dec. 27; Serial No. 409,881; published Oct. 18, 1938.
Paper, Bond. Lee Paper Company. 363,499; Dec. 27; Serial No. 409,883; published Oct. 18, 1938.
Paper in rolls, Toilet tissue. Grand Bag & Paper Co. 363,412; Dec. 27; Serial No. 401,143; published Oct. 18, 1938.
Paper, Toilet. Anco Corporation. 363,530; Dec. 27.

CLASS 39

Apparel, Wearing. McClure's Inc. 363,399; Dec. 27; Serial No. 380,783; published Oct. 11, 1938.
Blouses, waists, house coats, etc. Louis Laxer Inc. 363,443; Dec. 27; Serial No. 407,757; published Oct. 11, 1938.
Coats and suits, Ladies' and misses'. Breitstein Manufacturing Co. 363,467; Dec. 27; Serial No. 409,230; published Oct. 11, 1938.
Coats, vests, pants, etc. Broadstreet's, Inc. 363,447; Dec. 27; Serial No. 408,230; published Oct. 11, 1938.
Dresses. LaVogue Dress Company. 363,457; Dec. 27; Serial No. 408,804; published Oct. 11, 1938.
Dresses. Rhea Manufacturing Company. 363,491; Dec. 27; Serial No. 409,622; published Oct. 11, 1938.
Dresses, blouses, and sweaters, Knitted. L. D. Livingston & Sons. 363,429; Dec. 27; Serial No. 404,719; published June 14, 1938.
Dresses, Children's. Jack L. Honig Inc. 363,484; Dec. 27; Serial No. 409,571; published Oct. 11, 1938.
Dresses, Infants' and children's. Perlberg & Tannenbaum, Inc. 363,430; Dec. 27; Serial No. 405,522; published Oct. 11, 1938.
Dresses, Sport and street. Irving Stempel & Co. Inc. 363,407; Dec. 27; Serial No. 397,691; published Dec. 7, 1937.
Frocks and dresses. R. Lowenbaum Manufacturing Co. 363,428; Dec. 27; Serial No. 404,651; published Oct. 4, 1938.
Hosiery. Northmont Hosiery Corporation. 363,463–5; Dec. 27; Serial Nos. 409,053–5; published Oct. 11, 1938.
Hosiery. Schecter & Rothberg. 363,455; Dec. 27; Serial No. 408,764; published Oct. 11, 1938.
Hosiery, Ladies'. Nolde and Horst Company. 363,486; Dec. 27; Serial No. 409,584; published Oct. 11, 1938.
Hosiery, Men's and boys'. J. Mann. 363,462; Dec. 27; Serial No. 409,046; published Oct. 11, 1938.
Hosiery, Women's. Artcraft Silk Hosiery Mills. 363,459; Dec. 27; Serial No. 408,911; published Oct. 11, 1938.
Jackets, Men's sport. Wilson Brothers. 363,497; Dec. 27; Serial No. 409,795; published Oct. 11, 1938.
Shirts, coats, pajamas, etc. Elder Manufacturing Company. 363,478; Dec. 27; Serial No. 409,422; published Oct. 11, 1938.
Skirts, sweaters, and dresses. Majestic Knitwear Company. 363,453; Dec. 27; Serial No. 408,614; published Oct. 11, 1938.
Skirts, waists, suits, etc. Lorraine Manufacturing Company. 363,471; Dec. 27; Serial No. 409,321; published Oct. 11, 1938.
Suits and coats, Men's. Wm. P. Goldman & Bros., Inc. 363,408; Dec. 27; Serial No. 397,708; published Oct. 11, 1938.
Suits, hats, dresses, etc. Logan Garment Co. 363,409; Dec. 27; Serial No. 399,191; published Oct. 11, 1938.
Suits, Men's and boys'. Moyer Manufacturing Company. 363,477; Dec. 27; Serial No. 409,410; published Oct. 11, 1938.
Suits, topcoats, overcoats, etc. Joseph & Feiss Company. 363,452; Dec. 27; Serial No. 408,605; published Oct. 11, 1938.
Sweaters, Knitted. Old Colony Knitting Mills, Inc. 363,420; Dec. 27; Serial No. 402,867; published Oct. 11, 1938.
Topcoats. New Process Company. 363,446; Dec. 27; Serial No. 408,126; published Oct. 11, 1938.
Underwear, Ladies'. Blue Swan Mills Inc. 363,445; Dec. 27; Serial No. 408,005; published Oct. 11, 1938.
Underwear, Men's. Robinson Mfg. Company. 363,450; Dec. 27; Serial No. 408,578; published Oct. 11, 1938.
Underwear, sweaters, bathing suits. Appalachian Mills Company. 363,403; Dec. 27; Serial No. 392,184; published Oct. 11, 1938.

CLASS 42

Blankets. Schafran & Finkel, Inc. 363,432; Dec. 27; Serial No. 405,898; published Oct. 18, 1938.
Piece goods. Harry Feiler Company. 363,526; Dec. 27.
Piece goods. Manville Jenckes Corporation. 363,422; Dec. 27; Serial No. 403,052; published Oct. 18, 1938.
Sheets, pillowcases, and cotton piece goods. Fruit of the Loom, Inc. 363,475–6; Dec. 27; Serial Nos. 409,394–5; published Oct. 18, 1938.
Table cloths, towels, sheetings, etc. V. W. Marghab. 363,485; Dec. 27; Serial No. 409,580; published Oct. 18, 1938.

CLASS 44

Bandage and foot plaster, Adhesive. Scholl Mfg. Co. 363,493; Dec. 27; Serial No. 409,709; published Oct. 18, 1938.
Dental casting golds. R. E. Tuttle. 363,442; Dec. 27; Serial No. 407,699; published Oct. 18, 1938.
Dental restorations. Washington Dental Company. 363,487–9; Dec. 27; Serial Nos. 409,596–8; published Oct. 18, 1938.
Sanitary napkins. Plymouth Wholesale Dry Goods Corporation. 363,519; Dec. 27.

CLASS 45

Beverages, and syrups, extracts, and flavors used in making the same. Albert Lea Bottling Works. 363,481; Dec. 27; Serial No. 409,498; published Oct. 18, 1938.

CLASS 46

Baking emulsion. Penick & Ford, Ltd. Incorporated. 363,480; Dec. 27; Serial No. 409,485; published Oct. 18, 1938.
Bananas, Fresh. Pacific Fruit and Produce Company. 363,516; Dec. 27.
Buttermilk, Powdered acid. Ward Dry Milk Company. 363,411; Dec. 27; Serial No. 401,085; published Oct. 18, 1938.
Candy. John Mackintosh & Sons, Ltd. 363,472; Dec. 27; Serial No. 409,323; published Oct. 18, 1938.
Candy, bonbons, chocolates, etc. Henry Maillard, Inc. 363,417; Dec. 27; Serial No. 402,482; published Oct. 18, 1938.
Coffee and tea. Mannings, Inc. 363,512; Dec. 27.
Crackers. Bright Biscuit Company. 363,501; Dec. 27; Serial No. 409,908; published Oct. 18, 1938.
Food composition. D. Dalsey. 363,492; Dec. 27; Serial No. 409,681; published Oct. 18, 1938.
Food product. H. H. Snovel. 363,466; Dec. 27; Serial No. 409,110; published Oct. 18, 1938.
Fruits and juices, Fresh and canned citrus. Florida Citrus Exchange. 363,522–3; Dec. 27.
Jellies, fruit, and berry preserves, etc. H. Kramer. 363,444; Dec. 27; Serial No. 407,867; published Oct. 18, 1938.
Mutlin mix. M. W. Huff. 363,482; Dec. 27; Serial No. 409,524; published Oct. 18, 1938.
Oil, olive oil, cottonseed oil, etc., Salad. Conway Import Co. 363,419; Dec. 27; Serial No. 402,813; published Oct. 18, 1938.
Sauces. J. Mannone. 363,425; Dec. 27; Serial No. 403,772; published Oct. 18, 1938.

CLASS 47

Burgundy, muscatel, claret, etc. Vineyards of America, Inc. 363,496; Dec. 27; Serial No. 409,789; published Oct. 18, 1938.

CLASS 48

Beer. New Orleans Brewing Company. 363,461; Dec. 27; Serial No. 409,008; published Oct. 18, 1938.
Beer. William Peter Brewing Corp. 363,518; Dec. 27.

CLASS 49

Gin. Pacific Distillers, Inc. 363,514; Dec. 27.
Rum. Saccone, Speed & Jenney, Inc. 363,448; Dec. 27; Serial No. 408,356; published Oct. 18, 1938.
Whiskey. Esbeco Distilling Corporation. 363,517; Dec. 27.
Whisky, Scotch. Train & McIntyre, Limited. 363,426; Dec. 27; Serial No. 403,837; published Oct. 18, 1938.

CLASS 50

Rubber-backed cloth. B. F. Ruskin. 363,451; Dec. 27; Serial No. 408,579; published Oct. 18, 1938.

LIST OF LABELS

Alaga. For Cane and Corn Syrup. Alabama-Georgia Syrup Company. 52,267; Dec. 27.
Beautiful Shoes. For Boxes. Hoague-Sprague Corporation. 52,276; Dec. 27.
Blue Lily Brand. For Sugar Corn. Thomas Supply Co. 52,285; Dec. 27.
California for You. For Beach and Sportswear. H. C. Myers. 52,280; Dec. 27.
Coco-Wheats. For a Cocoa Coated Wheat Cereal. Little Crow Milling Company. 52,277; Dec. 27.
Colonial Brownzite. For a Ready Mixed Brown Paint. Colonial Works. 52,272; Dec. 27.
Creole Belle. For Coffee. Grimmer Coffee Company. 52,273; Dec. 27.
Dayette. For Hosiery. Northmont Hosiery Corporation. 52,281; Dec. 27.

Fine Footwear. For Footwear. A. C. Clayton Printing Co. 52,271; Dec. 27.
M. L. S. A. Kentucky Straight Bourbon Whiskey. For Kentucky Straight Bourbon Whiskey. Municipal Liquor Stores Association. 52,279; Dec. 27.
Movie-Town. For Men's Hats. Calvert Hats, Inc. 52,270; Dec. 27.
O-Cedar Machine Oil. For Machine Oil, an All Purpose Lubricating Oil for Home, Shop and Office Use. O-Cedar Corp'n. 52,283; Dec. 27.
O-So-Ezy White Shoe Cleaner. For a White Shoe Cleaner for All White Shoes. O-Cedar Corp'n. 52,282; Dec. 27.
Princess Chic. For Boxes. Hoague-Sprague Corporation. 52,274; Dec. 27.
Radcliffe Shoes. For Boxes. Hoague-Sprague Corporation. 52,275; Dec. 27.
Screenland. For Men's Hats. Calvert Hats, Inc. 52,269; Dec. 27.
Shot. For Straight Bourbon Whiskey. G. Rantz. 52,284; Dec. 27.
Vim Bread. For Bread. Atlas Baking Company. 52,268; Dec. 27.
Western Style Dairy-Fresh Butter. For Butter. J. S. Mellhaney. 52,278; Dec. 27.
Young's. For Blended Whiskey. Alexander Young Distilling Co. 52,286; Dec. 27.
Young's. For Distilled Dry Gin. Alexander Young Distilling Co. 52,287; Dec. 27.

LIST OF PRINTS

A New Taste Thrill. For Ice Cream. Welch Fruit Products Co. 17,174; Dec. 27.
A New Taste Thrill! Try a Black Kow Cone. For Ice Cream. Welch Fruit Products Co. 17,173; Dec. 27.
Linabestos. For Asbestos Cement Boards. Keasbey & Mattison Company. 17,170: Dec. 27.
Sensation of the Year. For Ice Cream. Welch Fruit Products Co. 17,171; Dec. 27.
Take Home Black Kow Ice Cream! A New Treat! For Ice Cream. Welch Fruit Products Co. 17,172; Dec. 27.
Tempting . . Delicious. For Ice Cream. Welch Fruit Products Co. 17,175; Dec. 27.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 27TH DAY OF DECEMBER, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Better Packages Inc. (See Krueger, Theodore H., assignor.)
Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. (See Kärcher, Alfred, assignor.)
Kärcher, Alfred, Stuttgart-Cannstatt, assignor to the firm Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Immersion heater for baths. Re. 20,954; Dec. 27.
Krueger, Theodore H., Stratford, Conn., assignor to Better Packages Inc., New York, N. Y. Tape serving machine. Re. 20,955; Dec. 27.
Sonsthagen, Asbjorn, London, England. Roll and bar grinding mill. Re. 20,956; Dec. 27.
Tietig, Chester, Covington, Ky. Lubricating composition. Re. 20,957; Dec. 27.
White, Ezekiel F., West Hartford, Conn. Adjustable gun choke. Re. 20,958; Dec. 27.

LIST OF DESIGN PATENTEES

Adams, Lysle E., Oak Park, Ill., assignor to L. E. Adams, as trustee. Jar. 112,688; Dec. 27.
American Can Company. (See Worthington, Everett, assignor.)
Baldwin Rubber Company. (See Prynle, Harry M., assignor.)
Balough, Eugene, and M. J. Yamen, Poughkeepsie, N. Y. Sanding tool unit. 112,707; Dec. 27.
Bandrimer, Pinkus, and J. Perloff, Brooklyn, N. Y. Table. 112,740; Dec. 27.
Bandrimer, Pinkus, and J. Perloff, Brooklyn, N. Y. Chair. 112,749; Dec. 27.
Barbizon Coats, Inc. (See Wieder, Sam, assignor.)
Batkin, Gregory, New York, N. Y. Game device. 112,674; Dec. 27.
Bell Telephone Laboratories, Incorporated. (See Marshall, Robert N., assignor.)
Bird & Son, Inc. (See Halladay, Stuart C., assignor.)
Bittner, Charles C., and J. H. Stiska, Chicago, Ill. Swivel joint fitting. 112,675; Dec. 27.
Blake, Beatrice B., Los Angeles, Calif., assignor of one-half to E. L. Gernert. Pencil. 112,750; Dec. 27.
Blum, Herman, Philadelphia, Pa. Textile fabric. 112,732; Dec. 27.
Robroff, Bornett L., Racine, Wis. Signal lamp for automotive vehicles. 112,689; Dec. 27.
Bowes, Arthur S., Chicago, Ill. Combined container and dispenser for nested dishes or the like. 112,751; Dec. 27.
Bray, Lonnie G., Washington, D. C. Game table. 112,676; Dec. 27.
Breer, Edna, New York, N. Y. Dress. 112,758; Dec. 27.
Broussard, Robert F., and C. A. Toce, assignors to Parkrite Corporation, Houston, Tex. Parking meter. 112,677; Dec. 27.
Bruner, Ray A., and C. A. Mitchell, Muncie, Ind. Ash-tray. 112,690; Dec. 27.
Canelstein, Gotel, New York, N. Y. Embroidered textile fabric or similar article. 112,733; Dec. 27.
Canelstein, Gotel, New York, N. Y. Embroidered textile fabric or similar article. 112,734; Dec. 27.
Carr-Lowrey Glass Co. (See McLaughlin, Frank, assignor.)
Champ Products Corporation. (See Schmidt, Albert, assignor.)
Cohn, Mark, New York, N. Y. Dress. 112,708; Dec. 27.
Collins Radio Company. (See Van Dyke, John B., assignor.)
Comper, Adrian, Pittsfield, Mass., assignor to Comper Manufacturing Company. Invalid walker unit. 112,691; Dec. 27.
Comper Manufacturing Company. (See Comper, Adrian, assignor.)
Corwin, Adelaide M., Washington, D. C. Flower stand. 112,678; Dec. 27.
De Meyere, Mauris, Antwerp, Belgium. Smoker's stand. 112,692; Dec. 27.
De Meyere, Mauris, Antwerp, Belgium. Smoking stand. 112,693; Dec. 27.
De Vilbiss Company, The. (See Vuillemenot, Frederic A., assignor.)
Di Figlia, Francis P. A., Brooklyn, N. Y. Lamp or similar article. 112,741; Dec. 27.
Douglas, Osmer M., and M. Holden, Salt Lake City, Utah. Finger guard. 112,752; Dec. 27.
Durant, Lyndon A. (See Williams, H. E., and Durant.)
Emmey, Charles, New York, N. Y. Alphabet for forming monograms for wearing apparel or similar article. 112,709; Dec. 27.
Evans, Evan G., Cincinnati, Ohio, assignor to Nutone Chimes Inc., New York, N. Y. Musical chime. 112,694; Dec. 27.
Faden, Sylvia, New York, N. Y. Dress. 112,735; Dec. 27.
Faden, Sylvia, New York, N. Y. Dress. 112,736; Dec. 27.
Ferrara, John A., and E. Rosenberg, New York, N. Y. Handbag. 112,742; Dec. 27.
Filippi, Eugenio, Fairview, N. J. Textile fabric or similar article. 112,754; Dec. 27.
Fletcher, John, assignor of one-half to J. M. Wertheimer, Chicago, Ill. Electric table broiler. 112,753; Dec. 27.
Fritz, Theresa M., New York, N. Y. Dress. 112,710; Dec. 27.
Fritz, Theresa M., New York, N. Y. Dress. 112,759; Dec. 27.
G. Washington Coffee Refining Co. (See Mark, Clarence, assignor.)
Gates Rubber Company, The. (See Yelm, Charles W., assignor.)
Geist, Irving, New York, N. Y. Housecoat. 112,711; Dec. 27.
General Electric Company. (See Haven, Edward G., assignor.)
Gernert, Eleanor L. (See Blake, Beatrice B., assignor.)
Goldberg, Jack, New York, N. Y. Dress ensemble. 112,760; Dec. 27.
Goldman, Harry, Chicago, Ill. Miniature hurdy gurdy cabinet. 112,737; Dec. 27.
Greider, Kendig H., Springfield, Ohio. Lamp base. 112,695; Dec. 27.
Grows, Richard C., Evanston, Ill., assignor to Rand McNally & Company. Combined globe and stand. 112,679; Dec. 27.
Guilfoil, Oscar D., Syracuse, N. Y. Frame for a sanctuary lamp. 112,738; Dec. 27.
Halladay, Stuart C., Franklin, assignor to Bird & Son, Inc., East Walpole, Mass. Rug. 112,739; Dec. 27.
Haven, Edward G., Scotia, N. Y., assignor to General Electric Company. Airplane landing indicator. 112,743; Dec. 27.
Havekost, John T., Flushing, N. Y. Bottle. 112,696; Dec. 27.
Hazel-Atlas Glass Company. (See Smith, Frasier, assignor.)
Hedstrom, Knute, W., assignor to Hedstrom-Union Company, Gardner, Mass. Velocipede. 112,680; Dec. 27.
Hedstrom-Union Company. (See Hedstrom, Knute W., assignor.)
Heims, Lillian, New York, N. Y. Dress or similar article. 112,712; Dec. 27.
Holden, Maggie. (See Douglas, O. M., and Holden.)
Huot, Constant J., assignor to Kopp Glass, Incorporated, Swissvale, Pa. Lighting fixture globe or similar article. 112,697; Dec. 27.
Huxter, Walker L. C., Richmond, Va. Vaporizer. 112,698; Dec. 27.
Industrial Brownhoist Corporation, The. (See Taylor, Ernest W., assignor.)
Johnson, Frank E., assignor to Reynolds Metals Company, New York, N. Y. Bottle closure cover or similar article. 112,699; Dec. 27.
Johnson, Otto E., Chicago, Ill. Lamp. 112,700; Dec. 27.
Kalish, Beatrice C., New York, N. Y. Dress. 112,761; Dec. 27.
Kirsten, Kurt F. J., Seattle, Wash. Tobacco pipe. 112,701; Dec. 27.
Kirsten, Kurt F. J., Seattle, Wash. Cigarette holder. 112,702; Dec. 27.
Kopp Glass, Incorporated. (See Huot, Constant J., assignor.)
Kratman, Evelyn, Chicago, Ill. Base for picture frames or the like. 112,744; Dec. 27.
Larson, Karl R., Minneapolis, Minn. Fish lure body. 112,681; Dec. 27.
Levine, Michael M., New York, N. Y. Dress. 112,713; Dec. 27.

Mark, Clarence, Morristown, assignor to G. Washington Coffee Refining Co., Morris Plains, N. J. Bottle. 112,703; Dec. 27.
Marschall, Leonard C., assignor to Sola Electric Co., Chicago, Ill. Combined transformer and sign frame. 112,755; Dec. 27.
Marshall, Robert N., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone transmitter. 112,756; Dec. 27.
Mascitelli, Marie, New York, N. Y. Dress ensemble. 112,714; Dec. 27.
Mascitelli, Marie, New York, N. Y. Dress ensemble. 112,715; Dec. 27.
Mascitelli, Marie, New York, N. Y. Dress ensemble 112,716; Dec. 27.
Mascitelli, Marie, New York, N. Y. Dress ensemble. 112,717; Dec. 27.
McLaughlin, Frank, Chicago, Ill., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. 112,704; Dec. 27.
Menken, Gretchen v. B., New York, N. Y. Doll or similar article. 112,682; Dec. 27.
Miller, Milo F., Kansas City, Mo. Insecticide powder duster. 112,718; Dec. 27.
Miller, Vernon L., Ashland, Ohio. Tooth brush. 112,719; Dec. 27.
Mitchell, Carl A. (See Bruner, R. A., and Mitchell.)
Nutone Chimes Inc. (See Evans, Evan G., assignor.)
Owen, George W., New York, N. Y. Identification plate. 112,683; Dec. 27.
Owen-Illinois Glass Company. (See Teague, Walter D., assignor.)
Parkrite Corporation. (See Broussard, R. F., and Toce, assignors.)
Perloff, Joseph. (See Bandrimer, P., and Perloff.)
Pollock, Morris, New York, N. Y. Plaque. 112,745; Dec. 27.
Pryale, Harry M., assignor to Baldwin Rubber Company, Pontiac, Mich. Stair tread. 112,720; Dec. 27.
Radtke, Adelbert C., Forest Park, and N. B. Spurgeon, River Forest, assignors to Sears, Roebuck and Co., Chicago, Ill. Portable air compressor. 112,721; Dec. 27.
Rand, McNally & Company. (See Grows, Richard C., assignor.)
Reynolds Metals Company. (See Johnson, Frank E., assignor.)
Rhodes, Marcus H., assignor to M. H. Rhodes, Inc., Hartford, Conn. Parking meter. 112,684; Dec. 27.
Rhodes, M. H., Inc. (See Rhodes, Marcus H., assignor.)
Rosenberg, Eli. (See Ferrara, J. A., and Rosenberg.)
Rost, Katheryn, New York, N. Y. Dress. 112,722; Dec. 27.
Rubel, Max, New York, N. Y. Table lamp. 112,705; Dec. 27.
Schmidt, Albert, assignor to Champ Products Corporation, Union City, Ind. Toilet case. 112,723; Dec. 27.
Sears, Roebuck and Co. (See Radtke, A. C., and Spurgeon, assignors.)
Shell, Elizabeth, Festus, Mo. Hat. 112,724; Dec. 27.
Smith, Frasier, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Jar. 112,706; Dec. 27.
Sola Electric Co. (See Marschall, Leonard C., assignor.)
Spurgeon, Neil B. (See Radtke, A. C., and Spurgeon.)
Stiska, Joseph H. (See Bittner, C. C., and Stiska.)
Sussman, Fannie, New York, N. Y. Dress. 112,762; Dec. 27.
Taylor, Ernest W., assignor to The Industrial Brownhoist Corporation, Bay City, Mich. Crane cab. 112,757; Dec. 27.
Teague, Walter D., New York, N. Y., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Hollow glass building block. 112,746; Dec. 27.
Toce, Charles A. (See Broussard, R. F., and Toce.)
Turpan, Mark, West Englewood, N. J. Textile fabric or similar article. 112,764; Dec. 27.
United States Electrical Tool Company, The. (See Weingartner, George A., assignor.)
Van Dyke, John B., assignor to Collins Radio Company, Cedar Rapids, Iowa. Casing for speech input apparatus. 112,747; Dec. 27.
Vuillemenot, Frederic A., assignor to The De Vilbiss Company, Toledo, Ohio. Atomizer. 112,731; Dec. 27.
Watling, William, Chicago, Ill. Weighing scale. 112,685; Dec. 27.
Weiner, Albert, New York, N. Y. Blouse. 112,725; Dec. 27.
Weingartner, George A., Fort Thomas, Ky., assignor to The United States Electrical Tool Company, Cincinnati, Ohio. Power driven hand tool unit. 112,728; Dec. 27.
Wertheimer, Joseph M. (See Fletcher, John, assignor.)
Westmoreland, Earl L., Chicago, Ill. Good luck charm. 112,748; Dec. 27.
Wieder, Sam, assignor to Barbizon Coats, Inc., Morristown, N. J. Coat. 112,726; Dec. 27.
Wieder, Sam, assignor to Barbizon Coats, Inc., Morristown, N. J. Suit. 112,727; Dec. 27.
Williams, Harry E., and L. A. Durant, Chicago, Ill. Amusement machine cabinet top. 112,686; Dec. 27.
Worthington, Everett, Scarsdale, assignor to American Can Company, New York, N. Y. Lunch box or similar article. 112,729; Dec. 27.
Worthington, Everett, Scarsdale, assignor to American Can Company, New York, N. Y. Lunch box or similar article. 112,730; Dec. 27.
Yamen, Michael J. (See Balough, E., and Yamen.)
Yelm, Charles W., assignor to The Gates Rubber Company, Denver, Colo. Tire. 112,687; Dec. 27.
Zinn, Harry, New York, N. Y. Dress. 112,763; Dec. 27.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 27TH DAY OF DECEMBER, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbot, Charles G., Washington, D. C. Solar distilling apparatus. 2,141,330; Dec. 27.
Abbott, Ernest J., Ann Arbor, assignor of one-half to W. E. and E. W. De Voe, Detroit, Mich. Control and operating mechanism for slide film projectors. 2,141,203; Dec. 27.
Abercrombie Pump Co. (See Allen, Herbert, assignor.)
Abercrombie Pump Company. (See Tennant, Joseph A., assignor.)
Abrams, Allen, and G. W. Forcey, Wausau, assignors to Marathon Paper Mills Company, Rothschild, Wis. Thermoplastic pressure sensitive composition and sheet materials coated with same. 2,142,039; Dec. 27.
Acco Products, Inc. (See Kern, Emil, assignor.)
Acme Bulletin & Directory Board Corp. (See Siebert, William R., assignor.)
Adams, Elmer W., Hammond, F. K. Ovitz, Whiting, and E. G. Wiley, Hammond, assignors to Standard Oil Company, Chicago, Ill. Soot remover. 2,141,848; Dec. 27.
Adams, George E., Pawtucket, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Center stop motion for looms. 2,141,636; Dec. 27.
Affelder, Harry F., Cleveland Heights, Ohio. Adhesive applying mechanism. 2,141,634; Dec. 27.
Air-O-Matic Ventilator Company. (See Ravven, Leo I., assignor.)
Air Reduction Company. (See Deming, George M., assignor.)
Ajoucio, Davis J., assignor to A. May, Atlanta, Ga. Venetian blind. 2,141,502; Dec. 27.
Aktiebolaget Svenska Fläktfabriken. (See Wellmar, Sven, assignor.)
Aktiengesellschaft für Stickstoffdünger. (See Lösch, Josef, assignor.)
Aladdin Industries, Incorporated. (See Angeletti, Joseph M., assignor.)
Alexander, Corwin S., Indianapolis, Ind. Manually propelled inertia vehicle. 2,141,233; Dec. 27.
Alexander, Johan W., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Device for converting direct current into alternating current. 2,141,369; Dec. 27.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Cable for transmitting electric power. 2,141,894; Dec. 27.
Allaire, Roy L. (See Keddy, R. A., and Allaire.)
Allegemiene Elektricitats Gesellschaft. (See Ziegenbein, Wilhelm, assignor.)
Allegheny Ludlum Steel Corporation. (See Batcheller, C., and Heft, assignors.)
Allen, Herbert, assignor to Abercrombie Pump Co., Houston, Tex. Relief valve. 2,141,835; Dec. 27.
Allen, Joseph W., assignor to Eclipse Aviation Corporation, East Orange, N. J. Engine starting apparatus. 2,141,331; Dec. 27.
Allen, Joseph W., assignor to Eclipse Aviation Corporation, East Orange, N. J. Dynamo-electric machine. 2,142,067; Dec. 27.
Allen, Le Roy V., Hohokus, N. J. Device for increasing and decreasing road clearance of vehicles and an adjustable anchor. 2,141,781; Dec. 27.
Almdale, Einar, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Automobile frame. 2,141,635; Dec. 27.
American Can Company. (See Hothersall, John M., assignor.)
American Engineering Company. (See Sauter, William V., assignor.)
American Feather Products Corporation. (See Rudnick, Samuel, assignor.)
American Machine & Foundry Company. (See Bentel, Robert J., assignor.)
American Machine & Foundry Company. (See Ferenci, Lester, assignor.)
American Safety Razor Corporation. (See Kurkjian, Yervant H., assignor.)
American Stove Company. (See Brodbeck, Almer H., assignor.)
American Stove Company. (See Stockstrom, A., and Eichelsbach, assignors.)
American Telephone & Telegraph Company. (See Southworth, George C., assignor.)
American Telephone & Telegraph Company. (See Southwork, G. C., and Willis, assignors.)
Anderson, Charles J., Jr., Jamestown, N. Y. Power transmission. 2,141,234; Dec. 27.
Anderson, Peter E., Elliott, Ill. Terminal protector. 2,141,503; Dec. 27.
Andis, Mathew, Racine, Wis. Hair clipping and shaving head. 2,141,895; Dec. 27.
Andres, William J., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Fluid Pressure control mechanism. 2,141,678; Dec. 27.
Andrews Steel Company, The. (See Little, Howard J., assignor.)
Angeletti, Joseph M., Alexandria, Ind., assignor to Aladdin Industries, Incorporated, Chicago, Ill. Process and apparatus for making arcuately plaited products. 2,141,235; Dec. 27.
Anschütz, Robert, Zella-Mehlis, assignor to Mercedes Büromaschinen-Werke Aktiengeselischaft, Benshausen, Thuringia, Germany. Typewriter calculating machine, and the like. 2,141,158; Dec. 27.
Anstice, Josiah, & Co. (See Browne, Lindsay H., assignor.)
Appleton Wire Works, Inc. (See Buchanan, William E., assignor.)
Arbuckle, Samuel F., G. H. Conlter, and C. E. Godley, Highland Park, assignors to United Lens Corporation, Detroit, Mich. Signaling system. 2,141,188; Dec. 27.
Arkell, Bartlett, and D. M. McBean, Canajoharie, N. Y.; said McBean assignor to said Arkell. Traffic regulating system. 2,142,040; Dec. 27.
Arlavox Manufacturing Company. (See Paredes, Walter J., assignor.)
Armentrout, Arthur L., and R. W. Gudie, Los Angeles, Calif. Cementing plug. 2,141,370; Dec. 27.
Armington, Arthur P., deceased, Willoughby; K. S. Armington, executrix, assignor to The Euclid Road Machinery Company, Euclid, Ohio. Running gear. 2,141,165; Dec. 27.
Armington, Katherine S., executrix. (See Armington, Arthur P.)
Arnold, Charles H., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 2,141,332; Dec. 27.
Arnold, Charles H., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 2,141,333; Dec. 27.
Aronberg, Lester, Chicago, Ill. Marking material. 2,141,965; Dec. 27.
Art Metal Construction Company. (See Jones, James R., assignor.)
Ash, Charles S., Milford, assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Vehicle wheel. 2,141,457; Dec. 27.
Asmussen, Heinrich, Berlin-Steglitz, and H.-N. von Funcke, Berlin-Halensee, Germany, assignors to General Electric Company. Electric incandescent lamp. 2,142,072; Dec. 27.
Aspenleiter, Joseph W., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 2,141,285; Dec. 27.
Asselin, Arthur N., Fall River, Mass. Liquid level controlling valve. 2,141,807; Dec. 27.
Associated Electric Laboratories, Inc. (See Lomax, Clarence E., assignor.)
Associated Electric Laboratories, Inc. (See Sands, Roy G., assignor.)
Associated Manufacturers' Agency. (See Hawes, Henry F., assignor.)
Associated Telephone and Telegraph Company. (See Rosehy, Philip N., assignor.)
Atlee, Zed J. (See Gross, M. J., and Atlee.)
Automatic Drive Transmission Company. (See Brehm, Paul H., assignor.)
Babcock & Wilcox Company, The. (See Harter, Isaac, assignor.)
Bach, Niels B., Vestervig, Denmark. Apparatus for clarifying liquors containing suspended and flocculent matter, such as sugar juices, and similar liquors. 2,141,371; Dec. 27.
Badger Meter Manufacturing Company. (See Miller, Jacob C., assignor.)
Baer, Harry A. D., Allentown, Pa. Steering wheel table. 2,141,849; Dec. 27.
Baer, Howard, Jersey City, assignor to Eclipse Aviation Corporation, East Orange, N. J. Engine starting mechanism. 2,141,334; Dec. 27.
Bailey, Charles W., assignor to Stewart Bros., Lynn, Mass. Counter slashing machine. 2,142,041; Dec. 27.
Bailey Meter Company. (See Gorrie, Harvard H., assignor.)
Bailey Meter Company. (See Hardgrove, Ralph M., assignor.)
Bailey, Theodore, Miami Beach, Fla. Dispensing unit. 2,141,337; Dec. 27.
Bailey, Warren G., Evanston, assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Polishing mop. 2,141,335; Dec. 27.

Bailey, Warren G., Evanston, assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Mop. 2,141,336; Dec. 27.
Baker, Hugh R. (See Watson, E., and Baker.)
Balfour, Robert A., and F. H. Hale, Wicker, Sheffield, England. Saw teeth. 2,141,504; Dec. 27.
Ball Albert L., Lewiston, assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Composition of matter. 2,141,637; Dec. 27.
Ball Brothers Company. (See Wadsworth, Frank L. O., assignor.)
Ball, Charles P., Jr., assignor to The Torrington Company, Torrington, Conn. Hydraulic brake. 2,141,966; assignor.)
Ball, Charles P., Jr., assignor to The Torrington Company, Torrington, Conn. Hydraulic brake. 2,141,967; assignor.)
Balsach, Juan, Sabadell, Spain. Circular loom. 2,141,679; Dec. 27.
Banocker, Elbert H., and T. A. Cramer, Schenectady, N. Y., assignors to General Electric Company. Protective arrangement for alternating current systems. 2,141,896; Dec. 27.
Bandcan Corporation. (See Williams, Fred H., assignor.)
Banker, Carl W., Tiltonsville, Ohio. Window fixture. 2,141,968; Dec. 27.
Baranowsky, Raoul, Berlin-Treptow, Germany, assignor to General Electric Company. Coupling-on or bridging implement. 2,141,286; Dec. 27.
Barrows, Donald S., assignor, by mesne assignments, to Gould Coupler Corporation, Rochester, N. Y. Cushioning mechanism. 2,141,680; Dec. 27.
Barrows, W. A., Porcelain Enamel Company. (See Lang, Samuel G., 3rd, assignor.)
Barry, Edward H. (See Frankel, E. M., and Barry.)
Barry, William A., Houston, Tex. Sharpening device. 2,141,850; Dec. 27.
Barton, Loy E., Collingswood, N. J., assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Detector circuit. 2,141,338; Dec. 27.
Batcheller, Clements, Glens Falls, and F. Heft, Troy, N. Y., assignors to Allegheny Ludlum Steel Corporation. Wall. 2,141,946; Dec. 27.
Bates, Walter C., and R. R. McClure, assignors to Diamond Alkali Company, Painesville, Ohio. Preparing colloidal carbonates. 2,141,458; Dec. 27.
Bauerle, Paul, Astoria, Long Island, N. Y. Safety razor. 2,141,339; Dec. 27.
Baumfalk, John, Jersey City, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,141,372; Dec. 27.
Baumgarten, Henri G., Rotterdam, assignor to N. V. Eau de Colognefabriek Johann Maria Farina, Amsterdam, Netherlands. Safety hair cutting appliance. 2,141,340; Dec. 27.
Bausch & Lomb Optical Company. (See Aspenleiter, Joseph W., assignor.)
Bausch & Lomb Optical Company. (See Bouchard, Samuel E., assignor.)
Bausch & Lomb Optical Company. (See McCabe, Joseph J., assignor.)
Bausch & Lomb Optical Company. (See McCabe, J. J., and Schelling, assignors.)
Bausch & Lomb Optical Company. (See Sabel, John C., assignor.)
Bays, George S., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Hydraulic-pneumatic pumping system. 2,141,703; Dec. 27.
Bean, Melvin J., Wellesley, Mass. Solvent dispensing apparatus. 2,141,638; Dec. 27.
Beard, Earl E. (See Lulek, R. N., and Beard.)
Bedford, Burnice D., Schenectady, N. Y., assignor to General Electric Company. Reverse current relay. 2,142,015; Dec. 27.
Behrmann, Harold E., assignor of one-half to F. M. McHale, Indianapolis, Ind. Journal box. 2,141,897; Dec. 27.
Bier, Walter, Berlin, Germany, assignor to Radio Patents Corporation, New York, N. Y. Band pass filter. 2,142,038; Dec. 27.
Bell & Howell Company, The. (See Steehbart, B., and Brueske, assignors.)
Bell Telephone Laboratories, Incorporated. (See Baumfalk, John, assignor.)
Bell Telephone Laboratories, Incorporated. (See Blaunt, F. E., and Husta, assignors.)
Bell Telephone Laboratories, Incorporated. (See Chaffee, Joseph G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Clark, J. E., and Ronci, assignors.)
Bell Telephone Laboratories, Incorporated. (See Gray, Frank, assignor.)
Bell Telephone Laboratories, Incorporated. (See Hale, Douglas A. S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Harrison, H. C., and Pope, assignors.)
Bell Telephone Laboratories, Incorporated. (See Swickard, Andrew E., assignor.)
Bellm, Anton, Dresden, Germany, assignor to General Electric Company. Electric switch gear. 2,141,898; Dec. 27.
Beloit Iron Works. (See Putnam, Charles P., assignor.)
Bendix Products Corporation. (See Cole, Don, assignor.)
Bendix-Westinghouse Automotive Air Brake Company. (See Andres, William J., assignor.)
Bendix-Westinghouse Automotive Air Brake Company. (See Eaton, Wilfred A., assignor.)
Bendix-Westinghouse Automotive Air Brake Company. (See Russell, Robert C., assignor.)
Benedict, Erwin E., assignor to The Brearley Company, Rockford, Ill. Bathroom scale. 2,141,236; Dec. 27.
Benham, Dallas B., Minneapolis, Minn. Vending machine. 2,141,851; Dec. 27.
Benner, Raymond C. (See Melton, R. L., Benner, and Kirchner.)
Bennett, Frank S., Schenectady, N. Y., assignor to General Electric Company. Feed water preheater. 2,141,899; Dec. 27.
Benoit, Oliver A., Lawrence, Mass. Fiber receiving device. 2,141,782; Dec. 27.
Bentz, George B., New York, N. Y. Shield for toilet bowl seats. 2,141,341; Dec. 27.
Benz, George W., St. Paul, Minn., assignor to Lactona, Incorporated. Massage device for tooth brushes. 2,141,969; Dec. 27.
Berger, Lee, Indianapolis, Ind. Game. 2,142,068; Dec. 27.
Bergstrom, Carl V., Milwaukee, Wis., assignor to Corning Glass Works, Corning, N. Y. Lens. 2,141,159; Dec. 27.
Bertele, Ludwig, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Lens system. 2,141,733; Dec. 27.
Besch, John O., assignor of one-half to H. J. Watson, Milwaukee, Wis. Casket. 2,141,734; Dec. 27.
Besner, Paul. (See Hansen, C., and Besner.)
Bessler, Edward T., Milwaukee, Wis. Dispensing container. 2,141,704; Dec. 27.
Best, Evard P. (See Story, E. B., and Best.)
Bethke, John P. (See Olson, J. B., and Bethke.)
Beutel, Robert J., Brooklyn, N. Y., assignor to American Machine & Foundry Company. Bread slicer. 2,141,947; Dec. 27.
Beyrodt, Kurt, Hartford, Conn., assignor to Electric Steam Sterilizing Company, Inc., New York, N. Y. Demand feed system. 2,141,705; Dec. 27.
Bikle, William E. (See Thompson, W. D., and Bikle.)
Bingham, Carl G., Highland Park, Ill., and A. R. Zimmer, Kansas City, Mo., assignors to Sam'l Bingham's Son Mfg. Co., Chicago, Ill. Machine for coating printers' rollers. 2,141,852; Dec. 27.
Bingham's, Sam'l, Son Mfg. Co. (See Bingham, C. G., and Zimmer, assignors.)
Bischof, Bernhard, Kiel, Germany. Hydraulic transmission. 2,141,166; Dec. 27.
Bischof, Bernhard, Kiel, Germany. Control means for hydraulic transmission. 2,141,167; Dec. 27.
Bischof, Bernhard, Kiel, Germany. Slide valve arrangement for hydraulic gears. 2,141,168; Dec. 27.
Bishop, Howard B., Summit, N. J. Laundry bluing and souring composition. 2,141,589; Dec. 27.
Black-Clawson Company, The. (See Kutter, Herman L., assignor.)
Blahnik, Frank M. (See Colburn, B. E., and Blahnik.)
Blair, Charles M. (See McNamee, R. W., and Blair.)
Blondeau, Ernest E., Tulsa, Okla., assignor to Geophysical Research Corporation, New York, N. Y. Resistivity meter. 2,141,590; Dec. 27.
Bloomfield, Samuel, Chicago, Ill. Dispenser. 2,141,160; Dec. 27.
Blount, Frank E., Cedar Grove, N. J., and P. Husta, Great Neck, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical testing system. 2,141,373; Dec. 27.
Bobrzyk, Wilhelm, Forst, Germany. Bearing system. 2,141,505; Dec. 27.
Boeing Aircraft Company. (See Castle, W. L., and Hedberg, assignors.)
Boesch, Arthur H. (See Pash, Robert, assignor.)
Boll, Arthur A. (See Freudenberg, G., Seiter, and Boll.)
Bonner, Francis H., Bristol, England. Creating a moist atmosphere in bakers' ovens and other chambers, Method of and means for. 2,141,591; Dec. 27.
Borel, Onésime. (See Dietrich, T., and Borel.)
Borg, Axel G., Lake Forest, Ill. Stringed instrument. 2,141,735; Dec. 27.
Boston Wire Stitcher Company. (See Maynard, Arthur H., assignor.)
Bouchard, Samuel E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 2,141,287; Dec. 27.
Bouchard, Samuel E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Machine for assembling ophthalmic mountings. 2,141,288; Dec. 27.
Bourlon, Pierre M., Paris, assignor to Michelin et Cie, Clermont-Ferrand, France. Device for automatically controlling the inflation of tires. 2,141,507; Dec. 27.
Bowdoin, George E., New York, and W. Strobridge, Syracuse, assignors to United States Hoffman Machinery Corporation, New York, N. Y. Drying. 2,142,042; Dec. 27.
Bowen, Erwin E. (See Murray, P. J., and Bowen.)
Boyd, William P., deceased, Nashua, N. H.; R. B. Burnham, administrator. Machine and process for finishing mercerized cotton. 2,142,043; Dec. 27.
Branch, James S., Lacrosse, Wash. Three-drill tractor hitch. 2,142,016; Dec. 27.
Brandt, Albert G., Cincinnati, Ohio. Photographic print washer. 2,141,162; Dec. 27.
Braren, Cornelius I. (See Kimball, W. D., and Braren.)

Braun, Matthäus, Frankfort-on-the-Main, Germany. Method of and furnace for coating pipes with metal. 2,141,163; Dec. 27.
Brearley Company, The. (See Benedict, Erwin E., assignor.)
Brehm, Paul H., Kent, Ohio, assignor to Automatic Drive Transmission Company, Gloucester City, N. J. Automatic clutch. 2,141,164; Dec. 27.
Brewer-Titchener Corporation, The. (See Wenn, Floyd D., assignor.)
Bridgeport Brass Company. (See Broecker, Lewis C., assignor.)
Brodbeck, Almer H., assignor to American Stove Company, St. Louis, Mo. Combination solid and gaseous fuel cooking range. 2,141,808; Dec. 27.
Brody, Samuel L., Chicago, Ill. Coaster. 2,141,509; Dec. 27.
Broecker, Lewis C., assignor to Bridgeport Brass Company, Bridgeport, Conn. Pneumatic valve insides construction. 2,142,044; Dec. 27.
Bronaugh, Lewis J., Portland, Oreg., and T. I. Potter, assignors to Refrigeration Patents Corporation, Buffalo, N. Y. Multiple compartment refrigerator. 2,141,459; Dec. 27.
Bronson Reel Company. (See Schafer, John V., assignor.)
Brown, Alexander M., Ocean Grove, N. J. Slidable fastener. 2,141,900; Dec. 27.
Brown, Carlton E., Cincinnati, Ohio, assignor to Cincinnati Grinders Incorporated. Grinding machine. 2,141,853; Dec. 27.
Brown Company. (See Richter, G. A., and Vannah, assignors.)
Brown, Fred D., Roanoke, Va. Shoeshine hose protector. 2,141,510; Dec. 27.
Brown, Hugo, and W. C. Nicodemus, Barberton, Ohio, assignors to The Diamond Match Company, New York, N. Y. Mechanism for assembling match pockets and the like. 2,141,460; Dec. 27.
Browne, Lindsay H., assignor to Josiah Anstice & Co., Inc., Rochester, N. Y. Automobile reverse control. 2,141,289; Dec. 27.
Brownell, Earl C., Pasco, Wash. Portable sign. 2,141,342; Dec. 27.
Brueck, Theodore M., assignor to Ilex Optical Company, Rochester, N. Y. Lens and diaphragm assembly. 2,141,681; Dec. 27.
Brueske, George A. (See Steehbart, B., and Brueske.)
Brundage, Alfred H., Maplewood, N. J. Filter unit. 2,141,903; Dec. 27.
Brunswig, Heinrich. (See Kramar, E., and Brunswig.)
Bruso, William F., Worcester, Mass. Game apparatus. 2,141,948; Dec. 27.
Bryant, Raymond W., Grand Coulee, Wash. Compressed air operated pump. 2,141,427; Dec. 27.
Bryce, James W., Bloomfield, N. J., assignor to International Business Machines Corporation, New York, N. Y. Automatic decimal point selecting device for accounting machines. 2,141,598; Dec. 27.
Bryce, James W., Glen Ridge, N. J., assignor to International Business Machine Corporation, New York, N. Y. Checking device for multiplying machines. 2,141,599; Dec. 27.
Buchanan, William E., assignor to Appleton Wire Works, Inc., Appleton, Wis. Wire fabric joint and producing same. 2,141,706; Dec. 27.
Buehler, Clifford C., and S. H. Diggs, Casper, Wyo., assignors to Standard Oil Company, Chicago, Ill. Solvent extraction of mineral lubricating oils. 2,141,511; Dec. 27.
Buckeye Aluminum Company, The. (See Porter, Kirk E., assignor.)
Buckingham, Roy P., Baldwin, assignor of fifty per cent to G. C. MacLarty, Baltimore, Md. Combination sanitary pad and shield and harness therefor. 2,141,970; Dec. 27.
Buckley, Glenn R., and W. A. McGrew, Oklahoma City, Okla. Paraffin cleaner. 2,141,508; Dec. 27.
Bullard Company, The. (See Lundberg, N. S., and De Vlieg, assignors.)
Burke, Wanda, New York, N. Y. Beauty mitten. 2,141,739; Dec. 27.
Burleigh, Mildred, New York, N. Y. Kitchen utensil. 2,141,901; Dec. 27.
Burnham, Roland B., administrator. (See Boyd, William P.)
Busch, Werner. (See Richter, A., Busch, and Schurmann.)
Byers, A. M., Company. (See Story, E. B., and Best, assignors.)
Cahn, Louis, assignor to The Globe Tailoring Company, Cincinnati, Ohio. Sample cloth display retainer. 2,141,461; Dec. 27.
Callery, George L., New Castle, Del. Horn button attachment. 2,141,374; Dec. 27.
Camp, Percy B., Maywood, Ill., assignor to Cardwell Westinghouse Company. Railway truck. 2,141,767; Dec. 27.
Campbell, Richard L., assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Electrical system. 2,141,343; Dec. 27.
Cannard, William H., Green Bay, Wis. Multistage creping apparatus. 2,141,809; Dec. 27.
Cannata, John, Chicago, Ill. Automobile door locking device. 2,141,902; Dec. 27.
Caples, Robert C., Reno, Nev. Pocket ash receiver. 2,141,783; Dec. 27.
Carbide and Carbon Chemicals Corporation. (See McNamee, R. W., and Blair, assignors.)
Carbide and Carbon Chemicals Corporation. (See Rowland, K. H., and Wallin, assignors.)
Carbonneau, Gordon S., assignor to Utah Radio Products Company, Chicago, Ill. Loudspeaker. 2,141,949; Dec. 27.
Carbo-Norit-Union Verwaltungs-Gesellschaft m. b. H. (See Engelhardt, Alfred, assignor.)
Carborundum Company, The. (See Ball, Albert L., assignor.)
Carborundum Company, The. (See Melton, R. L., Benner, and Kirchner, assignors.)
Card, Don B., Portland, Oreg. Sign. 2,141,344; Dec. 27.
Cardwell Westinghouse Company. (See Camp, Percy B., assignor.)
Carew, Herman, assignor to Dixie-Vortex Company, Easton, Pa. Dispenser. 2,141,682; Dec. 27.
Carlson, George, Bridgeport, and H. G. Knoderer, Fairfield, Conn., assignors to General Electric Company. Electric cable. 2,141,290; Dec. 27.
Carpenter, Frank W. (See Woolsey, J. K., and Carpenter.)
Carr, Charles R., assignor to The Murray Company, Dallas, Tex. Feed regulator for cotton linter hoppers. 2,141,512; Dec. 27.
Carr, Charles R., Atlanta, Ga., assignor to The Murray Company, Dallas, Tex. Belt hanger. 2,141,513; Dec. 27.
Carré, Jacques L. A. M. (See Carré, Philippe A. J. and J. L. A. M.)
Carré, Philippe A. J. and J. L. A. M., Paris, France. Apparatus designed for the successive exhibition of dioramas. 2,141,514; Dec. 27.
Carroll, Henry E., St. Louis, Mo. Diesel engine. 2,141,428; Dec. 27.
Carroll, Lee O., South Bend, assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Roll shaft support. 2,141,810; Dec. 27.
Carter, Bernard M., Montclair, N. J., assignor to General Chemical Company, New York, N. Y. Manufacture of carbon bisulphide. 2,141,740; Dec. 27.
Carter, Leslie F., Leonia, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Ball gyrocompass. 2,142,018; Dec. 27.
Case, Lynn B. (See Warner, S. W., and Case.)
Casse, Joseph E., assignor to Crawford Door Company, Detroit, Mich. Overhead door construction. 2,141,515; Dec. 27.
Casson, Nicholas V., New York, N. Y. Cutting implement. 2,141,854; Dec. 27.
Castle, William L., and W. O. Hedberg, assignors to Boeing Aircraft Company, Seattle, Wash. Offset die. 2,141,736; Dec. 27.
Castro, Cesar A., New York, N. Y. Photoelectric plate for television tube. 2,141,375; Dec. 27.
Catalano, Joseph A., New Orleans, La. Vehicle rocking device. 2,141,639; Dec. 27.
Catland, Alfred C. (See Howard, J. H., and Catland.)
Catlin, Willard E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making shaped articles from synthetic polymers. 2,141,169; Dec. 27.
Caughey, Reed J., Schenectady, N. Y., assignor to General Electric Company. Governing mechanism for elastic fluid turbines. 2,141,260; Dec. 27.
Celanese Corporation of America. (See Roadley, Percy R., assignor.)
Celluloid Corporation. (See Hoarle, Fred J., assignor.)
Centervall, Hugo A., Brooklyn, assignor to Manly Corporation, New York, N. Y. Rotary pump or motor. 2,141,170; Dec. 27.
Centervall, Hugo A., Brooklyn, assignor to Manly Corporation, New York, N. Y. Rotary pump or motor. 2,141,171; Dec. 27.
Central Fibre Products Company. (See Weis, Alwin W. D., assignor.)
Cercla, Inc. (See Emmer, Charles E., assignor.)
Chadwick, Cecil G., West New York, N. J., assignor to Oxweld Acetylene Company. Flux coated welding rod. 2,142,045; Dec. 27.
Chaffee, Joseph G., Hackensack, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency regulation of oscillators in ultra short wave receivers. 2,141,376; Dec. 27.
Chain Belt Company. (See Sparling, William J., assignor.)
Challenge Machinery Company, The. (See Gylleck, Olaf T., assignor.)
Chambers, William J. (See Forsberg, A. L., and Chambers.)
Chekian, Frank, Modesto, Calif. Fruit pitting and cutting machine. 2,141,204; Dec. 27.
Chicago Embroidery Company. (See De Cardy, Otto, assignor.)
Chicago-Hutchins Corporation. (See Hawksworth, David W., assignor.)
Chicago-Hutchins Corporation. (See Mattingley, Edward H., assignor.)
Chicago-Hutchins Corporation. (See Thompson, W. D., and Bikle, assignors.)
Chicago Lock Company. (See Hansen, Henry, assignor.)

Christiansen, Walter G., Glen Ridge, N. J., and S. E. Harris, Lynbrook, assignors to E. R. Squibb & Sons, New York, N. Y. Derivatives of phenyl-phenyl esters. 2,141,172; Dec. 27.

Chylinski, Stanislas, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Process and apparatus for the production of sheeting. 2,141,377; Dec. 27.

Cianchi, Alfredo, London, England. Electric switch. 2,142,046; Dec. 27.

Cinaudagraph Corporation. (See Cornwell, Lionel B., assignor.)

Cinch Manufacturing Corporation. (See Roby, William G., assignor.)

Cinch Manufacturing Corporation. (See Wallschlaeger, Theodore W., assignor.)

Cincinnati Grinders Incorporated. (See Brown, Carlton E., assignor.)

Cincinnati Grinders Incorporated. (See Ernst, H., and Dall, assignors.)

Cincinnati Grinders Incorporated. (See Ernst, H., and Wortendyke, assignors.)

Cincinnati Grinders Incorporated. (See Herfurth, Charles, assignor.)

Cincinnati Grinders Incorporated. (See Peaslee, Willetts, assignor.)

Cincinnati Milling Machine Co., The. (See Patrick, Rollin H., assignor.)

Cincinnati Milling Machine Company, The. (See Horlacher, Herman, assignor.)

Cincinnati Milling Machine Company, The. (See Sassen, Bernard, assignor.)

Cinecolor, Inc. (See Gundelfinger, Alan M., assignor.)

Clancy, J. R., Inc. (See Tompkins, Charles E., assignor.)

Clar, Friedrich K., Berlin-Hermsdorf, and C. Geissen, Berlin-Schoneberg; said Clar assignor to Rheinmetall-Borsig Aktiengesellschaft/werk Borsig Berlin-Tegel, Berlin-Tegel, Germany. Spring suspension system for cars. 2,141,592; Dec. 27.

Clark, James E., Long Island City, and V. L. Ronci, Brooklyn, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,141,378; Dec. 27.

Clark, Joseph B., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Method and apparatus for collecting soil gas samples. 2,141,261; Dec. 27.

Clarke, Louis A., Fishkill, and C. C. Towne, Poughkeepsie, assignors to The Texas Company, New York, N. Y. Lubricating oil. 2,141,593; Dec. 27.

Clavier, Andre G., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Ultra-short-wave receiver. 2,141,291; Dec. 27.

Clavier, Andre G., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Radio receiver. 2,141,292; Dec. 27.

Clements, Wesley P., Detroit, Mich. Sterilizing and warning device for containers. 2,141,516; Dec. 27.

Cline, Earl E. (See Lofton, H. M., and Cline.)

Clook, Fred W., Syracuse, N. Y. Tooth powder dispensing container. 2,141,379; Dec. 27.

Cloutier, Arthur N. (See Lawson, R. H., and Cloutier.)

Coenen, Heinrich, Kohlscheid, Germany. Protective means for shoes. 2,141,345; Dec. 27.

Colburn, Beurl E., and F. M. Blahnik, Green Bay, Wis. Coin sorter. 2,141,950; Dec. 27.

Cole, Don, Chicago, Ill., assignor to Bendix Products Corporation, South Bend, Ind. Carburetor. 2,141,594; Dec. 27.

Cole, Nelson E., assignor to The McKay Company, Pittsburgh, Pa. Chair. 2,141,262; Dec. 27.

Colley, George F., assignor to Merchants and Manufacturers Inc., Jacksonville, Fla. Guard or shield for vehicles. 2,142,069; Dec. 27.

Colliery Engineering Limited. (See Ridley, Frank F., assignor.)

Columbian Iron Works. (See Lofton, H. M., and Cline, assignors.)

Commercial Cable Company, The. (See Connery, Alder F., assignor.)

Commonwealth Edison Company. (See Singh, Alamjit D., assignor.)

Compagnie Nationale de Matières Colorantes et Manufactures de Produits Chimiques du Nord Réunies, Etablissements Kuhlmann. (See Petitcolas, Pierre, assignor.)

Conner, Quinten E., San Francisco, Calif. Air brake system. 2,141,205; Dec. 27.

Connery, Alder F., Brooklyn, assignor to The Commercial Cable Company, New York, N. Y. Electric telegraphy. 2,141,237; Dec. 27.

Consolidated Expanded Metal Companies, The. (See Cross, Leonard W., assignor.)

Consolidated Expanded Metal Companies, The. (See Mack, Wayne E., assignor.)

Consolidated Trimming Corporation. (See Klahre, Hugo A., assignor.)

Constantinesco, George, Oxen House, Torver, Coniston, England. Gear ratio indicator and or control device. 2,141,517; Dec. 27.

Continental Can Company. (See Fowler, Frank E., assignor.)

Continental Can Company. (See Minaker, H. L., and Yarwood, assignors.)

Continental-Gummi Werke A. G. (See Loges, Adolf, assignor.)

Cook, Leon W. (See Hendrey, W. B., and Cook.)

Coolerator Company, The. (See Frykdahl, Carl E. H., assignor.)

Cooper, Hugh S., Cleveland Heights, assignor to Cooper Products, Inc., Cleveland, Ohio. Chromizing. 2,141,640; Dec. 27.

Cooper Products, Inc. (See Cooper, Hugh S., assignor.)

Cordova, Francisco J., near Sheffield, Ala. Geological instrument. 2,141,173; Dec. 27.

Corn Products Refining Company. (See Newkirk, William B., assignor.)

Corn Products Refining Company. (See Shurback, Samuel, assignor.)

Corning Glass Works. (See Bergstrom, Carl V., assignor.)

Corning Glass Works. (See Nordberg, Martin E., assignor.)

Corning Glass Works. (See Woods, William J., assignor.)

Cornwell, Lionel B., assignor to Cinaudagraph Corporation, Stamford, Conn. Magnet structure. 2,141,595; Dec. 27.

Costanzo, Carmen A., assignor of ten per cent to M. Taylor, Vancouver, British Columbia, Canada. Reflecting traffic signal. 2,141,683; Dec. 27.

Coulter, Guy H. (See Arbuckle, S. F., Coulter, and Godley.)

Cover, Ralph, Westminster, Md. Cutter head for corn cutting machines. 2,141,346; Dec. 27.

Cox, Herbert M., Kokomo, Ind. Annealing sheets. 2,141,518; Dec. 27.

Cox, James L., Danvers, assignor to Hygrade Sylvania Corporation, Salem, Mass. Electric discharge lamp. 2,142,047; Dec. 27.

Cramer, Theron A. (See Baucker, E. H., and Cramer.)

Crawford Door Company. (See Casse, Joseph E., assignor.)

Criley, William W., Cleveland, Ohio. Air compressor attachment and brake for forging machines. 2,141,951; Dec. 27.

Critchfield, Robert M., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Sound signal. 2,141,641; Dec. 27.

Crompton, George, Jr., assignor to Norton Company, Worcester, Mass. Automatic steady rest for grinding machines. 2,141,596; Dec. 27.

Crompton & Knowles Loom Works. (See Adams, George E., assignor.)

Crompton & Knowles Loom Works. (See Dacey, Edward J., assignor.)

Crompton & Knowles Loom Works. (See Holmes, Elbridge R., assignor.)

Crompton & Knowles Loom Works. (See Lindegren, C. J., and Olch, assignors.)

Crompton & Knowles Loom Works. (See Payne, Oscar V., assignor.)

Crompton & Knowles Loom Works. (See Robertson, William W., assignor.)

Crompton & Knowles Loom Works. (See Turner, Richard G., assignor.)

Cross, Leonard W., Warwood, assignor to The Consolidated Expanded Metal Companies, Wheeling, W. Va. Structural member and manufacture thereof. 2,141,642; Dec. 27.

Cunningham, Alexander, Glenview, and R. E. Dyer, Chicago, Ill. Golf club grip. 2,141,519; Dec. 27.

Cunningham, James M., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Decimal point control for accounting machines. 2,141,597; Dec. 27.

Cunningham, Lewis L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control system for circulating fluids. 2,141,206; Dec. 27.

Curtis, Frank W., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Indexing work holder. 2,141,263; Dec. 27.

Cutler-Hammer, Inc. (See Schmidt, Edwin X., assignor.)

Cutting, Charles D., assignor to Cutting Sales and Engineering Company, Detroit, Mich. Universal joint. 2,141,264; Dec. 27.

Cutting Sales and Engineering Company. (See Cutting, Charles D., assignor.)

Dacey, Edward J., Philadelphia, Pa., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Brake for Axminster loom tube frames. 2,141,643; Dec. 27.

Dall, Albert H. (See Ernst, H., and Dall.)

Daly, Francis R., Minneapolis, Minn. Boiler. 2,141,238; Dec. 27.

Davidson, William H., Toronto, Ontario, Canada. Safety container for valuables. 2,141,293; Dec. 27.

Davlet, Claude E., et al. (See Guidroz, Romain A., assignor.)

Davlet, L. E., et al. (See Guidroz, Romain A., assignor.)

Davis, Frank J., assignor, by mesne assignments, of two-thirds to A. J. Moldenhauer and one-third to O. M. Meusel, Chicago, Ill. Bottle closure. 2,141,174; Dec. 27.

Davis, Robert F., Washington, D. C. Towel rack. 2,141,347; Dec. 27.

Davis, William S., North Hackensack, N. J., and A. R. Kuhn, Queens Village, assignors to Metropolitan Device Corporation, Brooklyn, N. Y. Meter protective cabinet seal. 2,142,048; Dec. 27.

Dawson, Samuel E., Washington, D. C. Distant reading electromagnetic balance. 2,141,175; Dec. 27.

Day, Ray E., Grosse Pointe, assignor to Motor Research Corporation, Detroit, Mich. Piston. 2,141,784; Dec. 27.

De Cardy, Otto, assignor to Chicago Embroidery Company, Chicago, Ill. Embroidering machine. 2,141,294; Dec. 27.

Deere & Company. (See White, Charles H., assignor.)

De Hoffmann, Alexander C., New York, N. Y. License plate holder device. 2,141,866; Dec. 27.

Delesdernier, Oran M., Waltham, Mass. Cover for manifold books. 2,141,295; Dec. 27.

Del-Mac Shoe Process Corporation. (See Maccarone, Fred, assignor.)

De Los Rice, Charles, West Hartford, Conn. Braking mechanism for railway cars. 2,141,450; Dec. 27.

Deming, George M., East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Acetylene generator. 2,141,380; Dec. 27.

De Pietro, Pasquale, Woodmere, N. Y. Replaceable sash and frame for same. 2,141,348; Dec. 27.

Desoutter, Charles, London, England. Portable electric drill and the like. 2,141,971; Dec. 27.

De Vileg, Charles B. (See Lundberg, N. S., and De Vileg.)

De Voe, Edwin W., et al. (See Abbott, Ernest J., assignor.)

De Voe, William E., et al. (See Abbott, Ernest J., assignor.)

Dewey and Almy Chemical Company. (See Kennedy, H. L., and Mark, assignors.)

Dewey and Almy Chemical Company. (See Mark, Jacob G., assignor.)

Dewey and Almy Chemical Company. (See Tucker, George R., assignor.)

Dey, George E., assignor to W. B. Jarvis Company, Grand Rapids, Mich. Door handle rose plate construction. 2,141,265; Dec. 27.

Diamond Alkali Company. (See Bates, W. C., and McClure, assignors.)

Diamond, Harry, Cedarhurst, N. Y. Elastic seam for garments. 2,141,239; Dec. 27.

Diamond Match Company, The. (See Brown, H., and Nicodemus, assignors.)

Diamond Match Company, The. (See Parker, Lucian E., assignor.)

Diamond Match Company, The. (See Wright, Charles F., assignor.)

Dickerson, Dorman B., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich. Brake lever. 2,141,266; Dec. 27.

Diemer, Joseph A., New York, N. Y. Dispensing device. 2,141,684; Dec. 27.

Dietrich, Theodore, and O. Borel, assignors, by mesne assignments to Sodeco Société de Compteurs de Geneve, Geneva, Switzerland. Telephone mechanism. 2,141,785; Dec. 27.

Dietz, Robert H. (See Godchaux, L. G., Dietz, and McElroy.)

Diggs, Sterling H. (See Buchler, C. C., and Diggs.)

Dillon, Hugh J., Highland Park, Mich. Vehicle. 2,141,267; Dec. 27.

Dixie-Vortex Company. (See Carew, Herman, assignor.)

Dobbs, Oliver C., assignor to The Dobbs Truss Company, Incorporated, Birmingham, Ala. Truss for human rupture. 2,142,073; Dec. 27.

Dobbs, Oliver C., Fayette, assignor to The Dobbs Truss Company, Incorporated, Birmingham, Ala. Truss for rupture. 2,142,074; Dec. 27.

Dobbs Truss Company, The. (See Dobbs, Oliver C., assignor.)

Dobeckmun Company, The. (See Prindle, Karl E., assignor.)

Dodge, Adiel Y., South Bend, Ind. Air conditioning system. 2,141,855; Dec. 27.

Dodge Manufacturing Corporation. (See Carroll, Lee O., assignor.)

Doering, Charles, assignor of one-half to H. Doering, Chicago, Ill. Chilling device for dairy products and the like. 2,141,462; Dec. 27.

Doering, Henry. (See Doering, Charles, assignor.)

Döhle, Hinrich, Berlin-Haselhorst, assignor to Telephon-Apparat Fabrik E. Zwietusch & Co., Berlin, Germany. Telephone metering system. 2,141,463; Dec. 27.

Doll, Anne M. L., administratrix. (See Schlumberger, Conrad.)

Donaldson, Dayul W. (See Kirby, Virgil C., assignor.)

Dover, Samuel M., Chicago, Ill. Signal lamp. 2,141,240; Dec. 27.

Downey, Victor I., Lakewood, assignor to National Refining Company, Cleveland, Ohio. Refining paraffin base oils. 2,141,623; Dec. 27.

Draeger, Rupert H., U. S. Navy. Loose sheet camera. 2,141,176; Dec. 27.

Drennan, John O., Detroit, Mich. Hinge. 2,141,685; Dec. 27.

Dube, John E., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Thermostatically controlled mixing valve. 2,141,520; Dec. 27.

Du Bois, Alfred, Paris, France. Valve bag. 2,141,737; Dec. 27.

Du Bois, Alfred, Paris, France. Filling and weighing machine. 2,141,738; Dec. 27.

Dunbar, Ralph E. (See Lang, H. T., and Dunbar.)

Dunbar, Ralph E., East Cleveland, assignor to Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio. Commutator and making same. 2,141,268; Dec. 27.

Duncan, George, Olaa, Hawaii. Vacuum pan. 2,141,686; Dec. 27.

Dunbar, Howard W., Worcester, and H. S. Indge, Westboro, assignors to Norton Company, Worcester, Mass. Grinding machine. 2,142,020; Dec. 27.

Duntze, George D., assignor of one-half to H. C. Stoffregen, St. Louis, Mo. Sign. 2,141,207; Dec. 27.

Du Pont, E. I., de Nemours & Company. (See Catlin, Willard E., assignor.)

Du Pont, E. I., de Nemours & Company. (See Chylinski, Stanislas, assignor.)

Du Pont, E. I., de Nemours & Company. (See Evans, David F., assignor.)

Du Pont, E. I., de Nemours & Company. (See Graham, Donald P., assignor.)

Du Pont, E. I., de Nemours & Company. (See Levin, Harry H., assignor.)

Du Pont, E. I., de Nemours & Company. (See Luick, R. N., and Beard, assignors.)

Du Pont, E. I., de Nemours & Company. (See Rintelman, William L., assignor.)

Du Pont, E. I., de Nemours & Company. (See Strain, Daniel E., assignor.)

Du Pont, E. I., de Nemours & Company. (See Thompson, Theodore R., assignor.)

Du Pont, E. I., de Nemours & Company. (See Vautier, L. P. G., and Fays, assignors.)

Dür, Ernst, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Sulphurous dyestuffs and making same. 2,141,177. Dec. 27.

Dür, Ernst, assignor to the firm Society of Chemical Industrie in Basle, Basel, Switzerland. Hydroxyphenylamino-anthracene and making same. 2,141,687; Dec. 27.

Duryea, Otho C., Waterbury, Conn. Cushioning device for railroad cars. 2,141,521; Dec. 27.

Duryea, Otho C., Waterbury, Conn. Cushioning device for railroad cars. 2,141,522; Dec. 27.

Dyer, John B., Pendleton, Ind., assignor to General Motors Corporation, Detroit, Mich. Engine starter. 2,141,178; Dec. 27.

Dyer, Robert E. (See Cunningham, A., and Dyer.)

Eastman Kodak Company. (See Hamer, F. M., and Fisher, assignors.)

Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Brake mechanism. 2,141,688; Dec. 27.

Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Vehicle control mechanism. 2,141,689; Dec. 27.

Eaves, William C., assignor of one-third to C. H. Fowler, New York, N. Y. Pneumatic sound reproducer. 2,141,208; Dec. 27.

Ebel, Friedrich, Mannheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the triazoloanthraquinone series. 2,141,707; Dec. 27.

Ebert, Adolph. (See Marshaus, Anthony J., assignor.)

Eclipse Aviation Corporation. (See Allen, Joseph W., assignor.)

Eclipse Aviation Corporation. (See Baer, Howard, assignor.)

Eclipse Aviation Corporation. (See Lansing, Raymond P., assignor.)

Eddison, Clifford, East Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Manufacture of evacuated metal envelopes. 2,141,644; Dec. 27.

Edes Manufacturing Company. (See Finkeldey, William H., assignor.)

Egyptian Lacquer Manufacturing Company, The. (See Hall, William E., assignor.)

Egyptian Lacquer Manufacturing Company. (See Hazen, Richard K., assignor.)

Ehret, Clement, White Plains, N. Y. Stove. 2,141,741; Dec. 27.

Ehret, Clement, White Plains, N. Y. Stove. 2,141,742; Dec. 27.

Eichelsbach, George P., Jr. (See Stockstrom, A., and Eichelsbach.)

Electric & Musical Industries Ltd. (See Truefitt, Edward S. V., assignor.)

Electric Steam Sterilizing Company. (See Beyrodt, Kurt, assignor.)

Electric Storage Battery Company, The. (See Smith, Edward W., assignor.)

Electric Vacuum Cleaner Company. (See Dunbar, Ralph E., assignor.)

Electric Vacuum Cleaner Company. (See Lang, H. T., and Dunbar, assignors.)

Ellis-Foster Company. (See Rust, John B., assignor.)

Elmendorf, Armin, Winnetka, Ill. Laying wood flooring. 2,141,708; Dec. 27.

Emmer, Charles E., assignor to Cercla, Inc., Chicago, Ill. Binding device. 2,141,523; Dec. 27.

Emmer, Charles E., assignor to Cercla, Inc., Chicago, Ill. Binding device. 2,141,524; Dec. 27.

Emrick, George W., Brooklyn, N. Y. Tapping attachment. 2,141,209; Dec. 27.

Engelhardt, Alfred, Gonzenheim, near Bad Homburg vor der Hohe, assignor to Carbo-Norit-Union Verwaltungs-Gesellschaft m. b. H., Frankfort-on-the-Main, Germany. Recovery of carbon disulphide from industrial effluent waters. 2,141,349; Dec. 27.

Engstrom, Birger, assignor, by mesne assignments, of sixty one-hundredths to The National Supply Company, Pittsburgh, Pa. Pipe thread protector. 2,141,381; Dec. 27.

Ennis, George H., assignor of one-half to R. V. Funk, Long Beach, Calif. Timed dump bailer. 2,141,179; Dec. 27.
Eppelsheimer, Daniel, Middletown, Ohio. Transformer core structure. 2,142,066; Dec. 27.
Erickson, John R., assignor to Norton Company, Worcester, Mass. Increasing the efficiency of resin bonded grinding wheels. 2,142,049; Dec. 27.
Ernst, Hans, Cincinnati, and A. H. Dall, Silverton, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Automatic dynamic balancer for machine tools. 2,142,021; Dec. 27.
Ernst, Hans, and R. D. Wortendyke, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Infeed cycle control attachment. 2,142,022; Dec. 27.
Ethridge, Albert S., assignor to Hummel & Downing Co., Milwaukee, Wis. Display container. 2,141,743; Dec. 27.
Euclid Road Machinery Company, The. (See Armington, Arthur P., assignor.)
Evans, David F., Buffalo, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Article closure and applying same. 2,141,744; Dec. 27.
Evans, William J., Bulwell, Nottingham, England. Drawing apparatus. 2,141,350; Dec. 27.
Everson, Roy B., Chicago, Ill. Swimming pool cleaner. 2,141,811; Dec. 27.
Ewald, Heinrich K. F., Chemnitz, and J. Gebhardt, assignors to Wanderer-Werke vorm. Winklhofer & Jaenicke Akt.-Ges., Siegmar-Schonau, Germany. Control mechanism for calculating machines. 2,141,269; Dec. 27.
Fabrice, Edward H., assignor to Guardian Safety Seal Company, Chicago, Ill. Making receptacle sealing caps. 2,141,856; Dec. 27.
Fafnir Bearing Company, The. (See Searles, Raymond R., assignor.)
Fairbanks, E. and T., and Company. (See Jacobus, A. B., and Hadley, assignors.)
Fairbanks, Morse & Co. (See Guthrie, Bernard M., assignor.)
Fales, Emanuel F., Sr., Portsmouth, Va. Cleanout device for stoves. 2,141,812; Dec. 27.
Farnsworth, Philo T., assignor to Farsnworth Television Incorporated, San Francisco, Calif. Charge storage dissector tube. 2,141,836; Dec. 27.
Farnsworth, Philo T., assignor to Farsnworth Television Incorporated, San Francisco, Calif. Multistage multipactor. 2,141,837; Dec. 27.
Farnsworth, Philo T., Springfield Township, Montgomery County, Pa., assignor to Farnsworth Television Incorporated, San Francisco, Calif. Split cathode multiplier tube. 2,141,838; Dec. 27.
Farnsworth Television Incorporated. (See Farnsworth, Philo T., assignor.)
Farrel-Birmingham Company. (See Kuhns, A., and Gasser, assignors.)
Farrelly, Joseph, Pelham, N. Y. Cap retainer. 2,141,709; Dec. 27.
Fastpic Corporation. (See Reiter, Otis F., assignor.)
Fawick, Thomas L., Akron, Ohio. Assembly for universal joints and the like. 2,141,645; Dec. 27.
Fays, René E. (See Vautier, L. P. G., and Fays.)
Fechheimer, Paul R., and M. Hallead, assignors to The Karl Kiefer Machine Company, Cincinnati, Ohio. Effecting closures in collapsible tubes by welding. 2,141,241; Dec. 27.
Federal Products Corporation. (See Street, Chauncey C., assignor.)
Federal Telegraph Company. (See Suydam, Clinton H., assignor.)
Feight, Oscar J. (See Ossing, S. F., and Feight.)
Feiler, Malwin, Frankfort-on-the-Main, Germany. Face shield. 2,141,972; Dec. 27.
Feilkas, Heinrich, Offenbach-on-the-Main, assignor to Lange & Geilen, Halle-on-the-Saale, Germany. Fluid control system for hydraulic motors. 2,141,429; Dec. 27.
Feldstein, Henry H. (See Grill, H. E., and Feldstein.)
Fensin, Erwin R., Chicago, Ill. Seat construction. 2,141,710; Dec. 27.
Ferenci, Lester, Brooklyn, N. Y., assignor to American Machine & Foundry Company. Slicing machine for bakery products. 2,141,904; Dec. 27.
Ferguson, Charles, Elizabeth, N. J. Device for detecting ethyl alcohol. 2,141,646; Dec. 27.
Ferguson, J. L., Company. (See Ferguson, John L., assignor.)
Ferguson, John L., Joliet, assignor to J. L. Ferguson Company, Chicago, Ill. Weighing machine. 2,141,296; Dec. 27.
Ferguson, John L., assignor to J. L. Ferguson Company, Joliet, Ill. Carton packer and sealer. 2,141,525; Dec. 27.
Ferm, John F., Midland, assignor to Pittsburgh Crucible Steel Company, Pittsburgh, Pa. Apparatus for treating plated strip metal. 2,141,382; Dec. 27.
Ferrocart Corporation of America. (See Vogt, Hans, assignor.)
Finch, William G. H., Spuyten Duyvil, N. Y. Method of and apparatus for facsimile signaling. 2,141,973; Dec. 27.
Finch, William G. H., New York, N. Y. High speed facsimile recorder. 2,141,974; Dec. 27.
Finch, William G. H., Spuyten Duyvil, N. Y. Multiple stylus facsimile recorder. 2,141,975; Dec. 27.
Fink, Heinrich, and R. Hofstadt, Wolfen (Kreis Bitterfeld), assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparing solutions of cellulose in sulphuric acid. 2,141,383; Dec. 27.
Finkeldey, William H., Hastings on Hudson, N. Y., assignor to Edes Manufacturing Company, Plymouth, Mass. Zinc alloy engraving plate. 2,141,813; Dec. 27.
First Caisson Machinery & Boring Co. (See Satre, Hillmar E., assignor.)
Firth, Thos., & John Brown Limited. (See Hatfield, William H., assignor.)
Fisher, D. Crockett. (See Mocharnuk, John, assignor.)
Fisher, Henry C., assignor to Norton Company, Worcester, Mass. Refractory for induction furnaces. 2,141,600; Dec. 27.
Fisher, Nellie I. (See Hamer, F. M., and Fisher.)
Fitch, Ian C. (See Moritz, M. R., and Fitch.)
Flygare, Carl G. (See Garside, J. L., and Flygare.)
Fonda, Gorton R., and R. P. Johnson, Schenectady, N. Y., assignors to General Electric Company. Fluorescent lamp and fluorescent material therefor. 2,141,905; Dec. 27.
Food Machinery Corporation. (See Paxton, Hale, assignor.)
Forcey, George W. (See Abrams, A., and Forcey.)
Ford Motor Company. (See Olsen, Niels H. F., assignor.)
Ford Motor Company. (See Pioch, William F., assignor.)
Forsberg, Albin L., Chicago, and W. J. Chambers, Oak Park, Ill., assignors to The Warfield Company. Cover for cans. 2,141,351; Dec. 27.
Forsberg, Albin L., Chicago, and W. J. Chambers, Oak Park, Ill., assignors to The Warfield Company. Can cover. 2,141,352; Dec. 27.
Foster, Rose G., Norwalk, Conn. Educational apparatus. 2,141,526; Dec. 27.
Foulks, Albert, Mount Holly, N. J. Automobile signal device. 2,141,210; Dec. 27.
Fowler, Carl H. (See Eaves, William C., assignor.)
Fowler, Frank E., Athens, Ga., assignor to Continental Can Company, Inc., New York, N. Y. Can head seaming machine. 2,141,976; Dec. 27.
Fraim, Freeman W. (See Little, R., and Fraim.)
Francis, Charles E., and B. S. Greensfelder, Martinez, assignors to Shell Development Company, San Francisco, Calif. Suppressing wax in oils. 2,141,601; Dec. 27.
François-Bongarçon, Aimé P. J., Paris, France. Apparatus for charging furnaces. 2,141,506; Dec. 27.
Frankel, Edward M., New York, and E. H. Barry, Dobbs Ferry, assignors to West Virginia Pulp & Paper Company, New York, N. Y. Operating digesters and apparatus therefor. 2,141,384; Dec. 27.
Franklin Rayon Corporation. (See Little, R., and Fraim, assignors.)
Frankfurt, Elsie, and E. Raykind, Dallas, Tex. Maternity garment ensemble. 2,141,814; Dec. 27.
French, Damas, Grafton, N. Dak. Cutting machine for seed potatoes. 2,141,527; Dec. 27.
Frérotte, Auguste, Liege, Belgium, assignor to Henry Simon Limited, Stockport, England. Milling machine for grain. 2,141,647; Dec. 27.
Freudenberg, Gotthard, O. Seiter, and A. A. Boll, assignors to The Nestle-Le Mur Company, New York, N. Y. Hair clamp and supporting bracket. 2,141,385; Dec. 27.
Fridén, John H., Maplewood, assignor to The Sun Tube Corporation, Hillside, N. J. Making collapsible tubes. 2,141,602; Dec. 27.
Friedlander, Bertha. (See Friedlander, Philip M., assignor.)
Friedlander, Philip M., assignor to B. Friedlander, Brooklyn, N. Y. Bag. 2,141,906; Dec. 27.
Frykdahl, Carl E. H., assignor to The Coolerator Company, Duluth, Minn. Ice refrigerator. 2,141,270; Dec. 27.
Fuchs, Franz. (See Hertlein, Carl J., assignor.)
Fuchs, Henry, assignor to W. H. Miner, Inc., Chicago, Ill. Refrigerator car door. 2,141,353; Dec. 27.
Fuller Company. (See Lenhart, Herbert S., assignor.)
Fulton Sylphon Company, The. (See Dube, John E., assignor.)
Funk, Robert V. (See Ennis, George H., assignor.)
Gamble, Felton O., Westmont, N. J. Method and apparatus for taking X-ray photographs. 2,141,857; Dec. 27.
Garrard, Guy W., and E. J. Peery, Bakersfield, Calif. Knock-down projection room. 2,141,528; Dec. 27.
Garside, John L., and C. G. Flygare, assignors to Norton Company, Worcester, Mass. Crankshaft grinding machine. 2,142,050; Dec. 27.
Gasoline Products Company. (See Rubin, Louis C., assignor.)
Gasser, Emil R. (See Kuhns, A., and Gasser.)
Gebhardt, Johannes. (See Ewald, H. K. F., and Gebhardt.)
Geddes, Norman B., New York, N. Y. Ship. 2,141,180; Dec. 27.
Geddes, Norman B., New York, N. Y. Ship. 2,141,181; Dec. 27.
Geissen, Carl. (See Clar, F. K., and Geissen.)
General Aniline Works, Inc. (See Ebel, Friedrich, assignor.)

General Aniline Works, Inc. (See Zitscher, A., and Kehlen, assignors.)
General Chemical Company. (See Carter, Bernard M., assignor.)
General Chemical Company. (See Merriam, Henry F., assignor.)
General Chemical Company. (See Silsby, Charles F., assignor.)
General Electric Company. (See Alexanderson, Ernst F. W., assignor.)
General Electric Company. (See Asmussen, H., and von Funcke, assignors.)
General Electric Company. (See Bancker, E. H., and Cramer, assignors.)
General Electric Company. (See Baranowsky, Raoul, assignor.)
General Electric Company. (See Bedford, Burnice D., assignor.)
General Electric Company. (See Bellm, Anton, assignor.)
General Electric Company. (See Bennett, Frank S., assignor.)
General Electric Company. (See Carlson, G., and Knoderer, assignors.)
General Electric Company. (See Caughey, Reed J., assignor.)
General Electric Company. (See Fonda, G. R., and Johnson, assignors.)
General Electric Company. (See Hayman, William C., assignor.)
General Electric Company. (See Hill, Charles H., assignor.)
General Electric Company. (See Hobart, Henry M., assignor.)
General Electric Company. (See Johnson, Timothy A., assignor.)
General Electric Company. (See Knight, James L., assignor.)
General Electric Company. (See Kösters, Ludwig, assignor.)
General Electric Company. (See Lord, Harold W., assignor.)
General Electric Company. (See McMahan, Kenton D., assignor.)
General Electric Company. (See Middel, Hendrick D., assignor.)
General Electric Company. (See Miyauchi, Chuji, assignor.)
General Electric Company. (See Morack, Marvin M., assignor.)
General Electric Company. (See Moritz, March R., assignor.)
General Electric Company. (See Moritz, M. R., and Fitch, assignors.)
General Electric Company. (See Owens, Joseph W., assignor.)
General Electric Company. (See Partridge, John H., assignor.)
General Electric Company. (See Payne, John H., assignor.)
General Electric Company. (See Perrott, Laurence F., assignor.)
General Electric Company. (See Roberts, Arnold M., assignor.)
General Electric Company. (See Sadler, Ernest K., assignor.)
General Electric Company. (See Sato, Takeo, assignor.)
General Electric Company. (See Schmitt, Richard H., assignor.)
General Electric Company. (See Schröter, Erich, assignor.)
General Electric Company. (See Shepherd, Thomas C. R., assignor.)
General Electric Company. (See Shoults, David R., assignor.)
General Electric Company. (See Suits, Chauncey G., assignor.)
General Electric Company. (See Zahn, Erwin A., assignor.)
General Electric X-Ray Corporation. (See Gross, M. J., and Atlee, assignors.)
General Engineering Company, The. (See Riddell, William A., assignor.)
General Motors Corporation. (See Critchfield, Robert M., assignor.)
General Motors Corporation. (See Dyer, John B., assignor.)
General Motors Corporation. (See Geyer, Harvey D., assignor.)
General Motors Corporation. (See Schweller, Edmund F., assignor.)
General Railway Signal Company. (See Judge, Thomas J., assignor.)
General Railway Signal Company. (See Phinney, R. M., and Hoppe, assignors.)
General Railway Signal Company. (See Reichard, Wade H., assignor.)
General Shoe Corporation. (See Hill, George R., assignor.)
Geophysical Research Corporation. (See Blondeau, Ernest E., assignor.)
George, Ralph W., and B. Trevor, Riverhead, N. Y., assignors to Radio Corporation of America. Ultra short wave system. 2,141,242; Dec. 27.
Gerlofson, Carl H., Chicago, Ill. Upholstery. 2,141,271; Dec. 27.
Geyer, Harvey D., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Peripheral resilient mount for electric motors. 2,141,648; Dec. 27.
Ginsberg, Bernard. (See Thiele, E. W., and Ginsberg.)
Glenn, Coulter E., Evans City, and H. S. Glenn, Oakmont, Pa. Voting machine. 2,141,603; Dec. 27.
Glenn, Harvey S. (See Glenn, Coulter E. and H. S.)
Glenn, James A., Lander, Wyo. Land leveler. 2,141,690; Dec. 27.
Globe Oil Tools Company. (See Howard, J. H., and (Catland, assignor).)
Globe Oil Tools Company. (See Smetherman, Jesse C., assignor.)
Globe Tailoring Company, The. (See Cahn, Louis, assignor.)
Godchaux, Leon G., R. H. Dietz, and R. H. McElroy, Chicago, Ill., assignors of one-fourth to R. C. Luhman. Signal. 2,141,243; Dec. 27.
Godeau, Louis. (See Ravut, C., and Godeau.)
Godlewicz, Marian. (See Pilat, S., and Godlewicz.
Godley, Charles E. (See Arbuckle, S. F., Coulter, and Godley.)
Goetz, Oscar H., Park Ridge, assignor to Goetz Telephone Slug Service, Inc., Chicago, Ill. Attachment for apertures of check-controlled apparatus. 2,141,745; Dec. 27.
Goetz Telephone Slug Service, Inc. (See Goetz, Oscar H., assignor.)
Goldman, Moses, Brooklyn, N. Y. Amusement device. 2,141,430; Dec. 27.
Goldman, Moses, Brooklyn, N. Y. Amusement device. 2,141,431; Dec. 27.
Good, Paul E., Riverton, N. J. Governor for tube cleaner motors. 2,141,182; Dec. 27.
Good, Paul E., Riverton, N. J. Rotary motor. 2,141,982; Dec. 27.
Goodbody, Edmund M., Bellerose, assignor to Intertype Corporation, Brooklyn, N. Y. Typographical machine. 2,142,051; Dec. 27.
Goodman Manufacturing Company. (See Wood, Frank J., assignor.)
Gorrie, Harvard H., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Regulating apparatus. 2,141,464; Dec. 27.
Goss Printing Press Company, The. (See Temte, Nils O., assignor.)
Gould Coupler Corporation. (See Barrows, Donald S., assignor.)
Goulden, Albert B., Los Angeles, Calif. Bracelet attachment. 2,142,023; Dec. 27.
Graham, Donald P., South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vat dyestuffs of the anthraquinone series. 2,141,858; Dec. 27.
Graham, Henry H., The Dalles, Oreg. Brush holder. 2,141,531; Dec. 27.
Graham, Matthew P. (See Hufferd, G. H., and Graham.)
Grant, Arthur C., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control system. 2,141,244; Dec. 27.
Gravelle, Emmanuel B., Ottawa, Ontario, Canada. Portable bridge. 2,141,529; Dec. 27.
Gray, Chester E., Oakland, Calif. Apparatus for determining the gaseous content of materials. 2,141,977; Dec. 27.
Gray, Frank, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electro-optical image producing device. 2,141,746; Dec. 27.
Green, Thomas L., deceased, Indianapolis, Ind.; J. W. Noel, executor. Apparatus for use in manufacturing biscuit and the like. 2,141,859; Dec. 27.
Greenhill, David, assignor to The Sun Engraving Company Limited, Watford, England. Rotary printing or coating machine. 2,141,978; Dec. 27.
Greensfelder, Bernard S. (See Francis, C. E., and Greensfelder.)
Grey, Victor, assignor to Teletype Corporation, Chicago, Ill. Tap chuck. 2,141,465; Dec. 27.
Grill, Harry E., Willoughby, and H. H. Feldstein, assignors to The Kilby Manufacturing Company, Cleveland, Ohio. Furnace installation. 2,141,649; Dec. 27.
Groene, William F., and W. R. Meyer, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Method of machining crankshafts. 2,141,466; Dec. 27.
Gross, Malvern J., and Z. J. Atlee, Chicago, Ill., assignors to General Electric X-Ray Corporation. Shockproof radiographic tube. 2,141,860; Dec. 27.
Gross, Philip S., Brooklyn, N. Y. Educational appliance. 2,141,747; Dec. 27.
Guardian Safety Seal Company. (See Fabrice, Edward H., assignor.)
Gudie, Ray W. (See Armentrout, A. L., and Gudie.)
Guidroz, Romain A., assignor of twenty-five per cent to C. E. Daviet and twenty-five per cent to L. E. Daviet, Lockport, La. Tractor. 2,141,530; Dec. 27.
Gundelfinger, Alan M., assignor to Cinecolor, Inc., Los Angeles, Calif. Treating photographic film. 2,141,354; Dec. 27.
Guthrie, Bernard M., assignor to Fairbanks, Morse & Co., Chicago, Ill. Automatic air control means. 2,141,711; Dec. 27.
Gutmann, John F., Richmond Hill, N. Y. Nonskid device for bathtubs and like fixtures. 2,141,467; Dec. 27.

Gylleck, Olaf T., assignor to The Challenge Machinery Company, Grand Haven, Mich. Drill sharpener. 2,141,712; Dec. 27.

H & B American Machine Company. (See Martin, E. L., and Jackson, assignors.)

Haas, Rudolf, Berlin-Dahlem, assignor of one-half to Zellstofffabrik Waldhof, Mannheim-Waldhof, Germany. Method and apparatus for crimping sheet material. 2,141,432; Dec. 27.

Haas, Rudolf, Berlin-Dahlem, assignor of one-half to Zellstofffabrik Waldhof, Mannheim-Waldhof, Germany. Process and apparatus for varying the width of paper webs or the like, in particular for the longitudinal creping of paper. 2,141,433; Dec. 27.

Habib, Kameel, New York, N. Y. Making fringed woven articles. 2,141,386; Dec. 27.

Hadley Company, The. (See Prestinari, Eugen, assignor.)

Hadley, Harlan A. (See Jacobus, A. B., and Hadley.)

Haggerty, Robert F., U. S. Army, Watertown, Mass. Spotting board. 2,141,183; Dec. 27.

Hahn, Frederick, Union, and L. W. Schrader, Elizabeth, N. J., assignors to Standard Oil Development Company. Tank roof seam. 2,141,861; Dec. 27.

Hale, Douglas A. S., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,141,387; Dec. 27.

Hale, Frederick H. (See Balfour, R. A., and Hale.)

Hall, Robert G., San Francisco, Calif. Flotation machine. 2,141,862; Dec. 27.

Hall, William E., Hillside, N. J., assignor to The Egyptian Lacquer Manufacturing Company. Coating surfaces of zinc-base. 2,142,024; Dec. 27.

Hall, William E., Hillside, N. J., assignor to The Egyptian Lacquer Manufacturing Company. Coating surfaces of zinc-base. 2,142,026; Dec. 27.

Hall, William H., Jr., assignor, by mesne assignments, to Thermoid Company, Trenton, N. J. Loom. 2,142,025; Dec. 27.

Hallead, Mervil. (See Fechheimer, P. R., and Hallead.)

Halvorson, H. Orin, and R. L. Smith, St. Paul, Minn. Treating sewage to purify the same. 2,141,979; Dec. 27.

Hamaker, Rex G., Houston, Tex. Bar cabinet. 2,141,468; Dec. 27.

Hamer, Frances M., and N. I. Fisher, Harrow, England, assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Preparation of cyanine and related dyes. 2,141,434; Dec. 27.

Hammond, Mark C., Bradford, assignor to Lee Engineering Corporation, Smethport, Pa. Automatic lubricating device. 2,141,863; Dec. 27.

Hansen, Arthur E., Seattle, Wash., and C. W. Spiering, Portland, Oreg., assignors to Young Iron Works, Seattle, Wash. Tong line control for skidder carriages. 2,141,469; Dec. 27.

Hansen, Carl, and P. Besner, Montreal, Quebec, Canada. Adapting a gasoline engine to the use of oil as fuel. 2,141,435; Dec. 27.

Hansen, Henry, assignor to Chicago Lock Company, Chicago, Ill. Padlock. 2,141,748; Dec. 27.

Hansen, Joseph R., Hanford, Calif. Automatic signaling apparatus. 2,141,980; Dec. 27.

Harbord, Frank W. and V., London, England. Apparatus for casting metal. 2,141,981; Dec. 27.

Harbord, Vernon. (See Harbord, Frank W. and V.)

Hardgrove, Ralph M., Westfield, N. J., assignor to Bailey Meter Company. Control system. 2,141,604; Dec. 27.

Hardman, Peck and Company. (See Sauerland, Joseph, assignor.)

Harmon, Orlin B., Lakewood, and R. H. Maddock, Cleveland Heights, assignors to The Midland Steel Products Company, Cleveland, Ohio. Automobile frame. 2,141,650; Dec. 27.

Harn, Harry B. (See Novak, F. A., and Harn.)

Harnischfeger Corporation. (See Harry, Goeffrey M., assignor.)

Harrington, Paul J., Fanwood, N. J., assignor to Standard Oil Development Company. Recovering oil from petroleum acid sludge. 2,141,297; Dec. 27.

Harris, Guy H., Attleboro, Mass. Fuel regulator. 2,141,436; Dec. 27.

Harris, Sidney E. (See Christiansen, W. G., and Harris.)

Harris, Vernon J., Cleveland, Ohio, assignor to Joseph Weidenhoff, Inc., Chicago, Ill. Indicating means. 2,142,027; Dec. 27.

Harrison, Henry C., Port Washington, N. Y., and T. J. Pope, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Facsimile telegraph system. 2,141,388; Dec. 27.

Harry, Goeffrey M., assignor to Harnischfeger Corporation, Milwaukee, Wis. Container treating machine. 2,141,470; Dec. 27.

Harter, Isaac, New York, N. Y., assignor to The Babcock & Wilcox Company, Newark, N. J. Press. 2,142,052; Dec. 27.

Harwood, Charles, Jr., Rye, N. Y. Convertible railway vehicle. 2,141,864; Dec. 27.

Hassenfeld, Jack, Providence, R. I. Receptacle. 2,141,952; Dec. 27.

Hatfield, William H., assignor to Thos. Firth & John Brown Limited, Sheffield, England. Alloy steel. 2,141,389; Dec. 27.

Hathorn, Clarence J., St. Marys, Pa., assignor to The Stackpole Carbon Company. Combined volume control and switch unit. 2,141,907; Dec. 27.

Hathorn, Clarence J., St. Marys, Pa., assignor to The Stackpole Carbon Company. Combined volume control and switch unit. 2,141,908; Dec. 27.

Hausen, Helmuth. (See Linde, R., and Hausen.)

Hauser, Edward J., Pelham Manor, N. Y. Floor lamp with cord take-up device. 2,141,909; Dec. 27.

Hauser, Michael, Augsburg, Germany. Maximum current switch. 2,141,749; Dec. 27.

Hawes, Austin W. (See Whitney, W. M., and Hawes.)

Hawes, Henry F., assignor to Associated Manufacturers' Agency, Louisville, Ky. Crossing gate structure. 2,141,953; Dec. 27.

Hawie, Gabriel S., assignor to The Hawie Manufacturing Co., Bridgeport, Conn. Clasp. 2,141,983; Dec. 27.

Hawie Manufacturing Co., The. (See Hawie, Gabriel S., assignor.)

Hawksworth, David W., Birmingham, assignor to Chicago-Hutchins Corporation, Detroit, Mich. Hatch frame construction for car roofs. 2,141,471; Dec. 27.

Hayman, William C., Schenectady, N. Y., assignor to General Electric Company. Electric cable. 2,141,910; Dec. 27.

Hazel-Atlas Glass Co. (See Schaffer, H. P., and Headley, assignors.)

Hazel-Atlas Glass Company. (See Sisson, Orta D., assignor.)

Hazen, Richard K., Montclair, N. J., assignor to Egyptian Lacquer Manufacturing Company. Lacquer enamel. 2,141,911; Dec. 27.

Headley, Dore O. (See Schaffer, H. P., and Headley.)

Hedberg, William O. (See Castle, W. L., and Hedberg.)

Heft, Frederick. (See Batcheller, C., and Heft.)

Heinz, Rust, Pasadena, Calif. Vehicle door construction 2,141,298; Dec. 27.

Helgerud, John, Minneapolis, Minn. Friction chuck and driver. 2,141,786; Dec. 27.

Hemphill Company. (See Lawson, R. H., and Cloutier, assignors.)

Hendrey, Waldersee B., and L. W. Cook, Beacon, assignors to The Texas Company, New York, N. Y. Solvent refining of oil. 2,141,605; Dec. 27.

Henkel & Cie. G. m. b. H. (See Lind, Otto, assignor.)

Hensler, Elmore T., and H. W. McKenzie, Seattle, Wash. Watch and jewelry cleaning machine. 2,141,713; Dec. 27.

Hercules Powder Company. (See Meinel, Karl, assignor.)

Hercules Powder Company. (See Reid, Ebenezer E., assignor.)

Herfurth, Charles, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 2,142,028; Dec. 27.

Hermann, Henry, Myrtle Point, Oreg. Swivel. 2,141,865; Dec. 27.

Herold, Edward W., Verona, N. J., assignor to Radio Corporation of America. Frequency converter. 2,141,750; Dec. 27.

Herr, Harvey E., assignor to Herr Manufacturing Company, Inc., Buffalo, N. Y. Spinning ring and traveler therefor. 2,141,472; Dec. 27.

Herr Manufacturing Company. (See Herr, Harvey E., assignor.)

Hertlein, Carl J., assignor of one-half to F. Fuchs, Brooklyn, N. Y. Adjustable work bed. 2,141,751; Dec. 27.

Heywood-Wakefield Company. (See Larsen, Lewis, assignor.)

Hilger, Raymond G., Chicago, Ill. Refrigerator 2,141,714; Dec. 27.

Hilger, Raymond G., Chicago, Ill. Refrigeration mechanism. 2,141,715; Dec. 27.

Hill, Charles H., Drexel Hill, Pa., assignor to General Electric Company. Electric switch. 2,141,272; Dec 27.

Hill, Charles O., Los Angeles, Calif. Vehicle direction signal. 2,141,437; Dec. 27.

Hill, George R., asisgnor to General Shoe Corporation, Nashville, Tenn. Shoe-testing device. 2,141,651; Dec. 27.

Hilmy, Saleh, Heliopolis, Cairo, Egypt. Airplane. 2,141,984; Dec. 27.

Hintsches, Karl, Oberkotzau, Germany. Fixing the picture carrier on copper intaglio printing cylinders. 2,141,390; Dec. 27.

Hirsch, Henry, Jersey City, N. J. Paper box. 2,141,438; Dec. 27.

Hirschberger, Josef, South Orange, N. J. Treatment of sulphonated fatty alcohols and the products produced thereby. 2,141,245; Dec. 27.

Hoarle, Fred J., Newark, N. J., assignor to Celluloid Corporation. Transparent container. 2,141,752; Dec. 27.

Hoban, Fairfield W., assignor to Stewart and McGuire, Incorporated, New York, N. Y. Article dispensing apparatus. 2,142,053; Dec. 27.

Hobart, Henry M., Niskayuna, N. Y., assignor to General Electric Company. Power transmission system. 2,141,912; Dec. 27.

Hobart Manufacturing Company, The. (See Meeker, David A., assignor.)

Hoe, R., & Co. (See Lamatsch, Frederick, assignor.)

Hofstadt, Richard. (See Fink, H., and Hofstadt.)

Hokerk, Lynde De F., Utica, assignor to Kerk Guild, Inc., Whitesboro, N. Y. Transparent hat box. 2,141,839; Dec. 27.

Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Fabric guide for take-up. 2,141,652; Dec. 27.

Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Tube frame for Axminster looms. 2,141,653; Dec. 27.

Holst, Poul F. G., Oaklyn, and L. R. Kirkwood, Collingswood, N. J., assignors to Radio Corporation of America. High fidelity radio receiver. 2,141,391; Dec. 27.

Honig, Frank, Pawtucket, R. I., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Sheet stretching apparatus. 2,141,913; Dec. 27.

Honn, Harlan V., San Francisco, Calif. Igniter assembly. 2,141,787; Dec. 27.

Honrine, Jack, New Bern, N. C. Photoengraving camera. 2,141,392; Dec. 27.

Hopkins, Frank H., Bridgeport, Conn., assignor, by mesne assignments, to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Gauge. 2,141,211; Dec. 27.

Hoppe, Walter H. (See Phinney, R. M., and Hoppe.)

Horlacher, Herman, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Combined delayed trip and spindle stop mechanism for machine tools. 2,142,029; Dec. 27.

Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,142,054; Dec. 27.

Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Vehicle signaling system. 2,142,055; Dec. 27.

Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield clearing system. 2,142,056; Dec. 27.

Hosek, Louis F., assignor to Nachman Spring-Filled Corporation, Chicago, Ill. Flexible chair back construction. 2,141,532; Dec. 27.

Hosmer, Donald, assignor of one-third to J. V. McCaffrey and one-third to J. W. Wursthorn, Cleveland, Ohio. Method and apparatus for conditioning and filing tabulator cards. 2,141,914; Dec. 27.

Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container. 2,141,184; Dec. 27.

Houdaille-Hershey Corporation. (See Dickerson, Dorman B., assignor.)

Houdaille-Hershey Corporation. (See Jandus, Herbert S., assignor.)

Houdry, Eugene J., Philadelphia, Pa., assignor to Houdry Process Corporation, Dover, Del. Reforming of naphtha. 2,141,185; Dec. 27.

Houdry Process Corporation. (See Houdry, Eugene J., assignor.)

Howard, John H., Whittier, and A. C. Catland, Alhambra; said Catland assignor to Globe Oil Tools Company, Los Nietos, Calif. Core taking tool. 2,141,840; Dec. 27.

Howard, John H., Whittier, and A. C. Catland, Alhambra; said Catland assignor to Globe Oil Tools Company, Los Nietos, Calif. Rotary rock bit. 2,141,841; Dec. 27.

Hubbell, Theodore B., Lexington, Ky. Weeding and mulching tool. 2,141,533; Dec. 27.

Hubertz, Halvard P., Chicago, Ill. Signaling system. 2,141,473; Dec. 27.

Hudson, Richard J. H., Dousland, South Devon, England. Folding structural arrangement of aircraft. 2,141,534; Dec. 27.

Huenergardt, William H., Chicago, Ill. Razor blade. 2,141,474; Dec. 27.

Hufferd, George H., and M. P. Graham, Detroit, Mich., assignors to Thompson Products Incorporated, Cleveland, Ohio. Joint stud and making same. 2,141,753; Dec. 27.

Huggett, Walter E., Ilford, England. Manufacture of esters of salicylic acid. 2,141,985; Dec. 27.

Hulbert, George E., and H. S. Indge, Westboro, assignors to Norton Company, Worcester, Mass. Lapping machine. 2,142,057; Dec. 27.

Hulse, George E., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Pulley construction. 2,141,915; Dec. 27.

Hulshizer, Joseph I., Stewartsville, assignor to Ingersoll-Rand Company, Jersey City, N. J. Centralizer for drill steels. 2,141,716; Dec. 27.

Hume, Horace D., and J. E. Love, assignors to Hume-Love Company, Garfield, Wash. Crop lifter. 2,141,299; Dec. 27.

Hume, Horace D., and J. E. Love, assignors to Hume-Love Company, Garfield, Wash. Crop lifter. 2,141,300; Dec. 27.

Hume-Love Company. (See Hume, H. D., and Love, assignors.)

Hummel & Downing Co. (See Ethridge, Albert S., assignor.)

Hurt, Victor H., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Manufacture of rubber articles. 2,141,788; Dec. 27.

Husta, Philip. (See Blount, F. E., and Husta.)

Hutchins, Edward, Glens Falls, N. Y., assignor to International Paper Company. Apparatus for the manufacture of paper and the like. 2,141,393; Dec. 27.

Hygrade Sylvania Corporation. (See Cox, James L., assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Fink, H., and Hofstadt, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Muench, H., and Loewe, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Richter, A., Busch, and Schürmann, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Schlack, Paul, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Strathmeyer, Walter, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Wolfrom, U., and Koehler, assignors.)

Iams, Harley A., San Diego, Calif., assignor to Westinghouse Electric & Manufacturing Company. Photoelectric cell oscillation circuit. 2,141,789; Dec. 27.

Ilex Optical Company. (See Brueck, Theodore M., assignor.)

Indge, Herbert S. (See Dunbar, H. W., and Indge.)

Indge, Herbert S. (See Hulbert, G. E., and Indge.)

Indge, Herbert S., Westboro, assignor to Norton Company, Worcester, Mass. Polishing machine. 2,142,058; Dec. 27.

Ingersoll-Rand Company. (See Hulshizer, Joseph I., assignor.)

Ingersoll-Rand Company. (See Slater, Fred M., assignor.)

International Business Machines Corporation. (See Bryce, James W., assignor.)

International Business Machines Corporation. (See Cunningham, James M., assignor.)

International Paper Company. (See Hutchins, Edward, assignor.)

International Standard Electric Corporation. (See Clavier, Andre G., assignor.)

International Standard Electric Corporation. (See Woodward, Marion H., assignor.)

Intertype Corporation. (See Goodbody, Edmund M., assignor.)

Ion Corporation. (See Kott, Hermann, assignor.)

Ireland, Murray, St. Paul, Minn., assignor to McGraw Electric Company, Chicago, Ill. Electric toaster. 2,141,867; Dec. 27.

Iversen, Lorenz, assignor to Mesta Machine Company, Pittsburgh, Pa. Apparatus and method for handling sheetlike material. 2,141,394; Dec. 27.

Ivers-Lee Company. (See Salfisberg, Leroy L., assignor.)

Jack, Labanna S. (See Walton, Arthur B., assignor.)

Jackson, Bernard. (See Kirwan, J. P., and Jackson.)

Jackson, Corwill, Ludington, Mich. Concrete working machine. 2,141,301; Dec. 27.

Jackson, John F. (See Martin, E. L., and Jackson.)

Jacobs, F. L., Co. (See Visser, John, assignor.)

Jacobus, Alvah B., and H. A. Hadley, assignors to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Heart beat indicator scale. 2,141,246; Dec. 27.

James Manufacturing Company. (See Olson, J. B., and Bethke, assignors.)

Jandus, Herbert S., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich. Tire cover lock. 2,141,302; Dec. 27.

Jarrett, Luther E., Elkridge, W. Va. Adjustable roller brace for shaker conveyers. 2,141,439; Dec. 27.

Jarvis, W. B., Company. (See Dey, George E., assignor.)

Jeffrey Manufacturing Company, The. (See Ossing, Stanley F., assignor.)

Jeffrey Manufacturing Company, The. (See Ossing, S. F., and Feight, assignors.)

Johannsen, Udo K., Cortland, N. Y. Foldable metal furniture. 2,141,475; Dec. 27.

Johnson, Fred V., and D. C. Robson, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Winding apparatus. 2,141,395; Dec. 27.

Johnson Laboratories, Inc. (See Shaper, William A., assignor.)

Johnson, Louis B., Baltimore, Md. Joint and dowel structure for roadways. 2,141,986; Dec. 27.

Johnson, Ralph P. (See Fonda, G. R., and Johnson.)

Johnson, Timothy A., Milford, Conn., assignor to General Electric Company. Hose for washing machines. 2,141,916; Dec. 27.

Jones, Franklin P., Borger, Tex., assignor of one-half to H. L. Jones, Great Bend, Kans. Casing spear. 2,141,987; Dec. 27.

Jones, Homer L. (See Jones, Franklin P., assignor.)

Jones, James R., assignor to Art Metal Construction Company, Jamestown, N. Y. Desk. 2,141,954; Dec. 27.

Jones & Laughlin Steel Corporation. (See O'Neil, Dan, assignor.)

Jonker, Johan L. H., assignor to N. V. Philips' Gloeilampenfabriken, Eindhoven, Netherlands. Electric discharge tube. 2,141,303; Dec. 27.

Judd, George E. (See Rodd, B. T., and Judd.)

Judge, Thomas J., assignor to General Railway Signal Company, Rochester, N. Y. Railway signaling system. 2,141,535; Dec. 27.

Kahn, David, Inc. (See Kahn, David, assignor.)

Kahn, David, Inc. (See Weisser, Karl, assignor.)

Kahn, David, Woodcliff, assignor to David Kahn, Inc., Township of North Bergen, Hudson County, N. J. Plaque holder and making the same. 2,141,988; Dec. 27.

Kahn, David, Woodcliff, assignor to David Kahn, Inc., Township of North Bergen, Hudson County, N. J. Plaque holder for writing instruments and the like. 2,141,990; Dec. 27.

Kahn, David, Woodcliff, assignor to David Kahn, Inc., Township of North Bergen, Hudson County, N. J. Plaque holder and blank. 2,141,991; Dec. 27.
Karfiol, Edward, Great Neck, N. Y. Shelf edging. 2,141,606; Dec. 27.
Kearney & Trecker Corporation. (See Curtis, Frank W., assignor.)
Keddy, Russell A., and R. L. Allaire, Stamford, Conn. Plug cap. 2,141,790; Dec. 27.
Kehlen, Hans. (See Zitscher, A., and Kehlen.)
Keller, Charles L., Cincinnati, assignor to The Richardson Company, Lockland, Ohio. Construction of storage battery containers. 2,141,791; Dec. 27.
Kelly, Leo J., Hornell, N. Y. Powder dispenser. 2,141,815; Dec. 27.
Kelsey-Hayes Wheel Company. (See Ash, Charles S., assignor.)
Kelsey-Hayes Wheel Company. (See White, John W., assignor.)
Kelton, Ralph I., Watertown, Mass. Aerial mail exchange. 2,141,536; Dec. 27.
Kennedy, Henry L., Arlington, and J. G. Mark, Cambridge, assignors to Dewey and Almy Chemical Company, North Cambridge, Mass. Grinding of cement clinker. 2,141,571; Dec. 27.
Kenney, Edmund J., North Plainfield, N. J. Hose nozzle. 2,141,868; Dec. 27.
Kerk Guild, Inc. (See Hokerk, Lynde D., assignor.)
Kern, Emil, Long Island City, N. Y., assignor to Acco Products, Inc. Fastener. 2,141,792; Dec. 27.
Kershaw, Henry, Kearney, N. J. Direction indicator for vehicles. 2,141,992; Dec. 27.
Keystone Index Card Company. (See Thomas, Frederick, assignor.)
Kiefer, Karl, Machine Company, The. (See Fechheimer, P. R., and Hallead, assignors.)
Kilby Manufacturing Company, The. (See Grill, H. E., and Feldstein, assignors.)
Kimball, Wallace D., Jackson Heights, and C. I. Braren, Jamaica, assignors to Standard-Knapp Corporation, Long Island City, N. Y. Package collector. 2,141,212; Dec. 27.
King, Frances. (See King, Garnet, assignor.)
King, Garnet, assignor of one-half to F. King, Los Angeles, Calif. Device for administering anesthetics. 2,141,793; Dec. 27.
King, Garnet, assignor of one-half to F. King, Los Angeles, Calif. Apparatus for administering anesthetics. 2,141,794; Dec. 27.
Kirby, Virgil C., assignor of one-half to D. W. Donaldson, Hutchinson, Kans. Dispensing device. 2,141,691; Dec. 27.
Kirchner, Henry P. (See Melton, R. L., Benner, and Kirchner.)
Kirkwood, Loren R. (See Holst, P. F. G., and Kirkwood.)
Kirwan, John P., and B. Jackson, Winnipeg, Manitoba, Canada. Dental vibrator. 2,141,304; Dec. 27.
Klahre, Hugo A., Teaneck, N. J., assignor to Consolidated Trimming Corporation, New York, N. Y. Curtain Trimming. 2,141,795; Dec. 27.
Kleffel, Harrison E., New York, N. Y. Boiler. 2,141,917; Dec. 27.
Klema, Joseph N., and T. S. Thompson, Austin, Minn. Switch for traffic signals. 2,141,355; Dec. 27.
Knight, James L., Erie, Pa., assignor to General Electric Company. Refrigerator cabinet. 2,141,918; Dec. 27.
Knoderer, Homer G. (See Carlson, G., and Knoderer.)
Koehler, Franz. (See Wolfrom, U., and Koehler.)
Koerver, Friedrich W., Mulheim (Ruhr)-Speldorf, Germany. Hydropneumatic scavenging pump regulator for deep boring equipments. 2,141,356; Dec. 27.
Köhler, Willy, Berlin, Germany. Lubricating device for rings and travelers. 2,141,754; Dec. 27.
König, Fritz, Soest, Germany. Perforation of insulating substances by spark discharges. 2,141,869; Dec. 27.
Koppers, Heinrich, Essen, Germany. Saturator for the manufacture of coarse-crystalline sulphate of ammonia. 2,141,186; Dec. 27.
Kösters, Ludwig, Berlin-Lichterfelde, assignor to General Electric Company. Hydraulic coupling. 2,141,305; Dec. 27.
Kotrbaty, Guy F., Philadelphia, Pa. Building construction. 2,141,919; Dec. 27.
Kott, Hermann, East Orange, assignor, by mesne assignments to Ion Corporation, Short Hills, N. J. Voltage regulator device. 2,141,654; Dec. 27.
Kott, Hermann, East Orange, assignor, by mesne assignments, to Ion Corporation, Short Hills, N. J. Radiation sensitive device. 2,141,655; Dec. 27.
Koukal, Louis, New York, N. Y. Combined bottle stopper and liquid measuring device. 2,141,870; Dec. 27.
Koukal, Louis, New York, N. Y. Combined bottle stopper and measuring device. 2,141,871; Dec. 27.
Kowada, Isoji, Kyoto-fu, Japan, assignor to Universal Winding Company, Boston, Mass. Automatic reeling machine. 2,141,816; Dec. 27.
Kramar, Ernst, Berlin-Tempelhof, and H. Brunswig, Berlin, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Arrangement for wireless signaling. 2,141,247; Dec. 27.
Kreider, Florence V., Lebanon, Pa. Construction toy. 2,141,993; Dec. 27.
Kuempel, Leon L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Safety pilot control system. 2,142,059; Dec. 27.
Kuhn, Alfred R. (See Davis, W. S., and Kuhn.)
Kuhns, Austin, and E. R. Gasser, assignors to Farrel-Birmingham Company, Incorporated, Buffalo, N. Y. Power transmission assembly. 2,141,306; Dec. 27.
Kurkjian, Yervant H., Paterson, N. J., assignor to American Safety Razor Corporation, Brooklyn, N. Y. Safety razor and blade. 2,141,755; Dec. 27.
Kutter, Herman L., assignor to The Black-Clawson Company, Hamilton, Ohio. Paper machinery. 2,141,273; Dec. 27.
La Bombard, Leon E., Nashua, N. H., assignor to Oswego Falls Corporation, Fulton, N. Y. Forming severable flanges for slip covers and the like. 2,141,161; Dec. 27.
La Chapelle, Euclid I., Brockton, Mass., assignor to United Shoe Machinery Corporaiton, Paterson, N. J. Shaping shoe upper materials to the contour of a last, Method and means for. 2,141,213; Dec. 27.
Iactona, Incorporated. (See Benz, George W., assignor.)
Laloux, René, Brussels, Belgium. Machine gun. 2,141,537; Dec. 27.
Lamatsch, Frederick, Grantwood, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Inking mechanism for printing machines. 2,141,607; Dec. 27.
Lambert, Ray W., Chicago, Ill. Memorandum recording device. 2,142,030; Dec. 27.
Lamkey, William A., Brooklyn, N. Y. Mop. 2,141,994; Dec. 27.
Lang, Henry T., Cleveland, and R. E. Dunbar, East Cleveland, assignors to Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio. Commutator. 2,141,307; Dec. 27.
Lang, Samuel G., 3rd, assignor to W. A. Barrows Porcelain Enamel Company, Cincinnati, Ohio. Sign letter. 2,141,955; Dec. 27.
Lange & Geilen. (See Feilkas, Heinrich, assignor.)
Langer, John F., Faribault, Minn. Traction wheel attachment. 2,141,214; Dec. 27.
Lansing, Raymond P., Montclair, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Electrical apparatus. 2,141,357; Dec. 27.
Larsen, Lewis, Menominee, Mich., assignor to Heywood-Wakefield Company, Gardner, Mass. Baby carriage. 2,141,538; Dec. 27.
Larsen, Lewis, Menominee, Mich., assignor to Heywood-Wakefield Company, Gardner, Mass. Baby carriage. 2,141,539; Dec. 27.
Larsson, Thure, assignor to Norton Company, Worcester, Mass. Pulpstone. 2,141,608; Dec. 27.
Laughlin, Kenneth C. (See Sweeney, W. J., and Laughlin.)
Lawson, Robert H., Pawtucket, and A. N. Cloutier, Lonsdale, assignors to Hemphill Company, Central Falls, R. I. Knitted fabric and making the same. 2,141,440; Dec. 27.
Leab, Clarence. (See Rubel, B., and Leab.)
Leash, Neil A., Gathlamet, Wash. Garment hanger. 2,141,540; Dec. 27.
Le Blond, R. K., Machine Tool Company, The. (See Greene, W. F., and Meyer, assignors.)
Lebold, Samuel N., and H. K. Powell, assignors to Morris Paper Mills, Chicago, Ill. Set-up container. 2,141,717; Dec. 27.
Lee Engineering Corporation. (See Hammond, Mark C., assignor.)
Lehman, Paul E., Dayton, Ohio. Grinding fixture. 2,141,187; Dec. 27.
Leighton, John W., Port Huron, Mich. Independent wheel suspension. 2,141,215; Dec. 27.
Leitner, Franz, Kapfenberg, Austria. Welding wire. 2,141,995; Dec. 27.
Leitner, Franz, Kapfenberg, Austria. Wire for electric welding. 2,141,996; Dec. 27.
Lenhart, Arthur W., Tulsa, Okla. Pipe plugging device. 2,141,274; Dec. 27.
Lenhart, Herbert S., Allentown, Pa., assignor to Fuller Company. Conveying apparatus. 2,141,920; Dec. 27.
Lenning, Alvar, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., Dover, Del. Refrigeration. 2,141,609; Dec. 27.
Leukert, Wilhelm, assignor to Siemens-Schuckert-werke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Rectifier. 2,141,921; Dec. 27.
Lever Brothers Company. (See Roge, Edward, assignor.)
Levin, Harry H., New York, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Artificial cellulosic structure. 2,141,396; Dec. 27.
Levy, René L., Montrouge, France, assignor to Société d'Inventions Aeronautiques et Mécaniques S. I. A. M., Fribourg, Switzerland. Hydraulic damping device. 2,141,541; Dec. 27.
Lewis, Warren K., Newton, Mass., assignor to Standard Oil Development Company. Hydrating olefines. 2,141,275; Dec. 27.
Lily Tulip Cup Corporation. (See Reifsnyder, James D., assignor.)
Lind, Otto, Dusseldorf, assignor to Henkel & Cie. G. m. b. H., Dusseldorf-Holthausen, Germany. Bleaching and cleansing compositions. 2,141,189; Dec. 27.
Linde, John A., Brooklyn, N. Y. Dental appliance. 2,141,190; Dec. 27.

Linde, Richard, Munich, and H. Hausen, Solln, near Munich, Germany. Decomposition of air by liquefaction and rectification. 2,141,997; Dec. 27.
Lindegren, Carl J., and J. B. Olch, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Multicell shuttle box for looms. 2,141,656; Dec. 27.
Link-Belt Company. (See Strube, Harry L., assignor.)
Linsell, Alfred A., Sydenham, London, England, assignor to Radio Corporation of America. Multirange receiver. 2,141,756; Dec. 27.
Little, Howard J., Fort Thomas, Ky., assignor to The Andrews Steel Company. Sheet metal surfacing. 2,142,070; Dec. 27.
Little, Royal, Providence, and F. W. Fraim, Cranston, assignors to Franklin Rayon Corporation, Providence, R. I. Reel or holder for textile packages. 2,141,610; Dec. 27.
Locke, Earl R., Bakersfield, Calif. Building system. 2,141,397; Dec. 27.
Loewe, Hermann. (See Muench, H., and Loewe.)
Loewenstein, Carl A., Berlin, Germany, assignor to E. G. Preuss, South Lodge, St. John's Wood, England. Changeable exhibitor. 2,141,398; Dec. 27.
Lofton, Herbert M., and E. E. Cline, assignors to Columbian Iron Works, Chattanooga, Tenn. Hydrant. 2,141,692; Dec. 27.
Loges, Adolf, assignor to Continental Gummi-Werke A. G., Hanover, Germany. Transmission band. 2,141,796; Dec. 27.
Lohrman, Thomas P., San Francisco, Calif. Vehicle top. 2,141,842; Dec. 27.
Lomax, Clarence E., Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,141,476; Dec. 27.
Lorange, Otto H., Columbiana, Ohio, assignor to United States Vanadium Corporation. Aluminothermic smelting. 2,142,031; Dec. 27.
Lord, Harold W., Schenectady, N. Y., assignor to General Electric Company. Electric valve translating circuit. 2,141,922; Dec. 27.
Lord, Hugh C., Erie, Pa. Rail car. 2,141,956; Dec. 27.
Lorenz, C., Aktiengesellschaft. (See Kramar, E., and Brunswig, assignors.)
Lösch, Josef, assignor to Aktiengesellschaft für Stickstoffdunger, Knapsack, near Cologne-on-the-Rhine, Germany. Preparing aluminum salts of lower aliphatic acids. 2,141,477; Dec. 27.
Love, James E. (See Hume, H. D., and Love.)
Lufkin Foundry & Machine Company. (See Trout, Walter C., assignor.)
Luhman, Richard C. (See Godchaux, L. G., Dietz, and McElroy, assignors.)
Luhn, Hans P., North Tarrytown, N. Y. Miniature structure and blank therefor. 2,141,399; Dec. 27.
Lulek, Ralph N., Milwaukee, and E. E. Beard, South Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Compounds of the pyrazolanthrone series. 2,141,872; Dec. 27.
Lund, Henry H. B., Welwyn Garden City, England. Apparatus for the germination of seeds and the growth of seedlings. 2,141,478; Dec. 27.
Lundberg, Nels S., and C. B. De Vlieg, Jackson, Mich., assignors, by mesne assignments, to The Bullard Company, Bridgeport, Conn. Milling machine. 2,141,191; Dec. 27.
Lynes, Lionel. (See Mead, A. A., and Lynes.)
Lyon, George A., Allenhurst, N. J. Bumper. 2,141,718; Dec. 27.
Lyon, George A., Allenhurst, N. J. Making bumpers. 2,141,719; Dec. 27.
Maccarone, Fred, Brooklyn, assignor to The Del-Mac Shoe Process Corporation, New York, N. Y. Lasting skeleton insoles. 2,141,998; Dec. 27.
MacFadden, Glenn E., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Electric lighting fixture. 2,141,441; Dec. 27.
Mack, Wayne E., Martins Ferry, Ohio, assignor to The Consolidated Expanded Metal Companies, Wheeling, W. Va. Expanded metal product. 2,141,400; Dec. 27.
MacLarty, George C. (See Buckingham, Roy P., assignor.)
Maddock, Robert H. (See Harmon, O. B., and Maddock.)
Magnavox Company, The. (See Tolerton, Ray E., assignor.)
Mahler, Robert. (See Ottajovits, Alexander, assignor.)
Maiden Form Brassiere Company. (See Rosenthal, William, assignor.)
Malcom, Robert. (See Whipple, Willis A., assignor.)
Malishev, Boris, Berkeley, assignor to Shell Development Company, San Francisco, Calif. Alkylating cyclic compounds. 2,141,611; Dec. 27.
Mancuso, Ralph J., Brooklyn, assignor to Royal Mounters, Inc., Long Island City, N. Y. Display device. 2,141,216; Dec. 27.
Manly Corporation. (See Centervall, Hugo A., assignor.)
Manly, Harold P., Niles Center, Ill. Tube tester. 2,141,479; Dec. 27.
Mann, James H., Jr., St. Petersburg, Fla., assignor to Tire Pressure Control, Inc. Tire inflating device. 2,141,542; Dec. 27.
Mann, James H., Jr., St. Petersburg, Fla., assignor to Tire Pressure Control, Inc. Tire inflating device. 2,141,543; Dec. 27.
Manning, Maxwell & Moore, Incorporated. (See Hopkins, Frank H., assignor.)
Marathon Paper Mills Company. (See Abrams, A., and Forcey, assignors.)
Mark, Jacob G. (See Kennedy, H. L., and Mark.)
Mark, Jacob G., Brookline, assignor to Dewey and Almy Chemical Company, North Cambridge, Mass. Concrete and hydraulic cement. 2,141,570; Dec. 27.
Markel Electric Products, Inc. (See MacFadden, Glenn E., assignor.)
Marrapese, Marius. (See Pfleger, J., and Marrapese.)
Marsh, Harry C., assignor of one-fourth to E. Richardson, Long Beach, Calif. Wrist pin lock. 2,141,720; Dec. 27.
Marshaus, Anthony J., East Cleveland, assignor of one-half to A. Ebert, Cleveland, Ohio. Fishing reel. 2,141,817; Dec. 27.
Martin, Edward L., Providence, and J. F. Jackson, Pawtucket, R. I., assignors to H & B American Machine Company. Drafting mechanism. 2,141,219; Dec. 27.
Martinka, Michael, Duisberg, Germany. Gas turbine. 2,141,401; Dec. 27.
Marvin, Stanley, San Francisco, assignor, by mesne assignments, to B. E. Witkin, Oakland, Calif. Neck-band clamp for laundry presses. 2,141,480; Dec. 27.
Marzari, Hermann, Rorschach, Switzerland. Device for laying the threads over rotating stretching devices in spool spinning machines for artificial silk. 2,141,544; Dec. 27.
Matsen, Marcus J., Oak Park, Ill. Presser shoe. 2,142,032; Dec. 27.
Mattingley, Edward H., assignor to Chicago-Hutchins Corporation, Chicago, Ill. Hatch closure. 2,141,481; Dec. 27.
May, Armand. (See Ajouelo, Davis J., assignor.)
Maynard, Arthur H., assignor to Boston Wire Stitcher Company, Warwick, R. I. Stapling or wire-stitching machine. 2,141,612; Dec. 27.
McBean, Douglas M. (See Arkell, B., and McBean.)
McCabe, Joseph J., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Lens surfacing machine. 2,141,308; Dec. 27.
McCabe, Joseph J., Rochester, and G. C. Schelling, Irondequoit, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Lens surfacing machine. 2,141,309; Dec. 27.
McCaffrey, John V., et al. (See Hosmer, Donald, assignor.)
McClure, Raymond R. (See Bates, W. C., and McClure.)
McCraw, William E., Bishops Falls, Newfoundland. Logging conveyer. 2,141,482; Dec. 27.
McCurrach, Mabel C., Brooklyn, N. Y. Bulk measurement of tapes from different rolls. 2,141,248; Dec. 27.
McCutcheon, William N., Thornburg, Pa. Apparatus for annealing. 2,141,192; Dec. 27.
McDaniel, Charles R., Oklahoma City, Okla. Deep well pump. 2,141,957; Dec. 27.
McElroy, Robert H. (See Godchaux, L. G., Dietz, and McElroy.)
McEwan, Matthew H., assignor to Woodall-Duckham (1920) Limited, London, England. Charging apparatus for carbonizing plants. 2,141,545; Dec. 27.
McGill Metal Products Company. (See Stilson, Herbert A., assignor.)
McGraw Electric Company. (See Ireland, Murray, assignor.)
McGrew, Walter A. (See Buckley, G. R., and McGrew.)
McHale, Frank M. (See Behrmann, Harold E., assignor.)
McKay Company, The. (See Cole, Nelson E., assignor.)
McKee, Garnet W. (See Stadler, Albert, assignor.)
McKenzie, Herbert W. (See Hensler, E. T., and McKenzie.)
McKittrick, Samuel A., Sandusky, Ohio. Lawn mower sharpener. 2,141,359; Dec. 27.
McLaughlin, Richard A. (See Warr, H. G., and McLaughlin.)
McMahan, Kenton D., Schenectady, N. Y., assignor to General Electric Company. Ventilating apparatus. 2,141,923; Dec. 27.
McNamara, Ignatius J., assignor to Slingerland Banjo & Drum Company, Chicago, Ill. Clamp device. 2,141,818; Dec. 27.
McNamee, James, Ballston Spa, N. Y. Knitted fabric and making same. 2,141,999; Dec. 27.
McNamee, Raymond W., South Charleston, and C. M. Blair, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Production of 2-p-dioxanone. 2,142,033; Dec. 27.
Mead, Albert A., Blackheath, London, and L. Lynes, Penge, London, assignors to Mead, McLean & Company, Limited, London, England. Ventilator. 2,141,442; Dec. 27.
Mead, McLean & Company. (See Mead, A. A., and Lynes, assignors.)
Meeder, Herbert L., Denver, Colo. Engine starter. 2,141,217; Dec. 27.
Meeker, David A., assignor to The Hobart Manufacturing Company, Troy, Ohio. Coffee mill. 2,141,310; Dec. 27.
Meeker, David A., assignor to The Hobart Manufacturing Company, Troy, Ohio. Food handling apparatus. 2,141,311; Dec. 27.
Meeks, William A., Glendale, N. Y. Fluid pressure brake. 2,141,358; Dec. 27.
Meier, William, assignor to The Midland Steel Products Company, Cleveland, Ohio. Press. 2,141,657; Dec. 27.

Meinel, Karl, Dormagen-I. G. Werk, near Cologne, Germany, assignor to Hercules Powder Company, Wilmington, Del. Aralkyl ethers of high molecular carbohydrates. 2,141,721; Dec. 27.

Melicharek, John, Houston, Tex. Coil selector. 2,141,613; Dec. 27.

Melton, Romie L., R. C. Benner, and H. P. Kirchner, assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Method and apparatus for making granular coated webs. 2,141,658; Dec. 27.

Mendelson, Charles, New Rochelle, N. Y. Pressing machine. 2,141,249; Dec. 27.

Mercedes Büromaschinen-Werke Aktiengesellschaft. (See Anschütz, Robert, assignor.)

Merchants and Manufacturers Inc. (See Colley, George F., assignor.)

Merriam, Henry F., West Orange, N. J., assignor to General Chemical Company, New York, N. Y. Manufacture of carbon bisulphide. 2,141,757; Dec. 27.

Merriam, Henry F., West Orange, N. J., assignor to General Chemical Company, New York, N. Y. Manufacture of carbon bisulphide. 2,141,758; Dec. 27.

Mesta Machine Company. (See Iversen, Lorenz, assignor.)

Metaphane, Inc. (See Riedel, Otto P., assignor.)

Metropolitan Device Corporation. (See Davis, W. S., and Kuhn, assignors.)

Metropolitan Sewing Machine Corporation. (See Wels, John P., assignor.)

Meusel, Oscar M., et al. (See Davis, Frank J., assignor.)

Meyer, Fritz, Grymes Hill, Staten Island, and E. Schreiber, née Stege, Great Kills, Staten Island, N. Y. Hydroxyalkylamino compounds. 2,141,843; Dec. 27.

Meyer, Walter R. (See Groene, W. F., and Meyer.)

Michelin et cie. (See Bourdon, Pierre M., assignor.)

Middel, Hendrik D., Schenectady, N. Y., assignor to General Electric Company. Electrical discharge device. 2,141,924; Dec. 27.

Midland Steel Products Company, The. (See Almdale, Einar, assignor.)

Midland Steel Products Company, The. (See Harmon, O. B., and Maddock, assignors.)

Midland Steel Products Company, The. (See Meier, William, assignor.)

Midland Steel Products Company, The. (See Reimenschneider, E., and Thoms, assignors.)

Miller, Elmer E., Millersburg, Pa. Single trigger mechanism for double-barreled guns. 2,142,000; Dec. 27.

Miller, Jacob C., assignor to Badger Meter Manufacturing Company, Milwaukee, Wis. Liquid metering and dispensing apparatus. 2,141,925; Dec. 27.

Miller Printing Machinery Co. (See Sinkovitz, Joseph, assignor.)

Minaker, Herbert L., and L. Yarwood, Syracuse, assignors to Continental Can Company, Inc., New York, N. Y. Apparatus for drying cans. 2,142,001; Dec. 27.

Minella, Angelo, Boston, Mass. Fitting. 2,141,797; Dec. 27.

Miner, John H., St. Louis County, Mo., assignor to Roesch Porcelain Construction, Inc., Belleville, Ill. Prefabricated building. 2,142,060; Dec. 27.

Miner, W. H., Inc. (See Fuchs, Henry, assignor.)

Minkoff, Gregoire. (See Stanley, H. M., Youell, and Minkoff.)

Minneapolis-Honeywell Regulator Company. (See Cunningham, Lewis L., assignor.)

Minneapolis-Honeywell Regulator Company. (See Grant, Arthur C., assignor.)

Minneapolis-Honeywell Regulator Company. (See Kuempel, Leon L., assignor.)

Miyauchi, Chuji, Tokyo, Japan, assignor to General Electric Company. Electric discharge device. 2,141,312; Dec. 27.

Mocharnuk, John, assignor of one-half to D. C. Fisher, McCamey, Tex. Citrous fruit juice extractor. 2,142,002; Dec. 27.

Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Heating apparatus. 2,141,873; Dec. 27.

Modine Manufacturing Company. (See Modine, Arthur B., assignor.)

Moffat, Albert S., Watertown, assignor to H. C. Wheeler, Boston, Mass. Heating device for curls. 2,141,759; Dec. 27.

Moldenhauer, Alfred J., et al. (See Davis, Frank J., assignor.)

Molding Service, Inc. (See Novak, F. A., and Harn, assignors.)

Moncrief, James B., Copperhill, Tenn. Automatic steam heating system for automobiles. 2,141,926; Dec. 27.

Morack, Marvin M., Schenectady, N. Y., assignor to General Electric Company. Arc-back suppression. 2,141,927; Dec. 27.

Morgan, Willard L., Nutley, N. J., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Container closure. 2,141,722; Dec. 27.

Mörgelin, Konrad, Karlsruhe, Germany. Conveyer chain. 2,142,003; Dec. 27.

Moritz, March R., Sale Moor, England, assignor to General Electric Company. Arc welding flux. 2,141,929; Dec. 27.

Moritz, March R., Sale Moor, and I. Fitch, Forest Hill, London, England, assignors to General Electric Company. Welding flux. 2,141,928; Dec. 27.

Morris Paper Mills. (See Lebold, S. N., and Powell, assignors.)

Motor Research Corporation. (See Day, Ray E., assignor.)

Mott, Frederick R., assignor to Yarnall-Waring Company, Philadelphia, Pa. Oven valve and the like. 2,141,614; Dec. 27.

Mott, Howard V. S., Cranston, R. I. Shoe fitting apparatus. 2,141,193; Dec. 27.

Mould, William A., Loughborough Junction, Camberwell, London, England, assignor to Tryit Novelty Company, Brooklyn, N. Y. Imitation drink. 2,141,760; Dec. 27.

Muench, Herbert, Mannheim, and H. Loewe, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Tanning agents and producing the same. 2,141,276; Dec. 27.

Muller, Leonore B., New York, N. Y. Ornamental device. 2,141,402; Dec. 27.

Mundhenk, Charles J., Elgin, Ill. Heavy liquid fuel carburetor. 2,141,194; Dec. 27.

Murphy, Hoyt M., San Angelo, Tex. Terracing and ditching machine. 2,141,693; Dec. 27.

Murray Company, The. (See Carr, Charles R., assignor.)

Murray Company, The. (See Woodford, Bronson C., assignor.)

Murray Corporation of America, The. (See Ryder, Orin J., assignor.)

Murray, Peter J., Toronto, Ohio, and E. E. Bowen, Follansbee, W. Va. Method of and apparatus for opening metal sheets. 2,141,218; Dec. 27.

N. V. Eau de Cologne fabriek Johann Maria Farina. (See Baumgarten, Henri G., assignor.)

N. V. Philips' Gloeilampenfabrieken. (See Alexander, Johan W., assignor.)

N. V. Philips' Gloeilampenfabrieken. (See Jonker, Johan L. H., assignor.)

N. V. Philips' Gloeilampenfabrieken. (See van Loon, Carel J., assignor.)

Nachman Spring-Filled Corporation. (See Hosek, Louis F., assignor.)

Nachman Springfilled Corporation. (See Zimmerman, Fred R., assignor.)

National Blank Book Company. (See Schade, John, assignor.)

National Cash Register Company, The. (See Arnold, Charles H., assignor.)

National Refining Company. (See Downey, Victor L., assignor.)

National Refining Company, The. (See Setzler, Horace B., assignor.)

National Supply Company, The. (See Engstrom, Birger, assignor.)

Nehls, Charles H., Detroit, Mich. Extensible handle. 2,141,659; Dec. 27.

Nelson, Nels C., Bertrand, Nebr. Automatic power lift for agricultural implements. 2,141,819; Dec. 27.

Nestle-Le Mur Company, The. (See Freudenberg, G., Seiter, and Boll, assignors.)

Newkirk, William B., Western Springs, Ill., assignor, by mesne assignments, to Corn Products Refining Company, New York, N. Y. Soft grained dextrose free from water of crystallization. 2,141,547; Dec. 27.

Nickel, Frederick E., assignor to Solar Aircraft Company, San Diego, Calif. Interference eliminator. 2,141,277; Dec. 27.

Nicodemus, Wilmer C. (See Brown, H., and Nicodemus.)

Nielsen, Nicholas, Oakland, Calif. Vehicle pulsator. 2,141,660; Dec. 27.

Noel, James W., executor. (See Green, Thomas L.)

Nordberg, Martin E., assignor to Corning Glass Works, Corning, N. Y. Purifying aluminous materials. 2,141,444; Dec. 27.

Norton Company. (See Crompton, George, Jr., assignor.)

Norton Company. (See Dunbar, H. W., and Indge, assignors.)

Norton Company. (See Erickson, John R., assignor.)

Norton Company. (See Fisher, Henry C., assignor.)

Norton Company. (See Garside, J. I., and Flygare, assignors.)

Norton Company. (See Hulbert, G. E., and Indge, assignors.)

Norton Company. (See Indge, Herbert S., assignor.)

Norton Company. (See Larsson, Thure, assignor.)

Norton Company. (See Ridgway, Raymond R., assignor.)

Novak, Frederick A., Elyria, and H. B. Harn, assignors, by mesne assignments, to Molding Service, Inc., Dayton, Ohio. Molding machine for plastics. 2,141,195; Dec. 27.

Offen, Bernard, Chicago, Ill. Drying method and apparatus. 2,141,403; Dec. 27.

Ogden, Jacob W. (See Wheeler, W. H., Jr., Ogden, and Rouan.)

Olch, Jacob B. (See Lindegren, C. J., and Olch.)

Olsen, Niels H. F., assignor to Ford Motor Company, Dearborn, Mich. Spring construction. 2,141,220; Dec. 27.

Olson, Johan H., Larchmont, assignor to M. H. Treadwell Company, New York, N. Y. Conveying apparatus for hot materials. 2,141,694; Dec. 27.

Olson, John B., and J. P. Bethke, assignors to James Manufacturing Company, Fort Atkinson, Wis. Window frame and sash. 2,141,874; Dec. 27.

O'Neil, Dan, Aliquippa, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Wire twisting apparatus. 2,141,661; Dec. 27.

Osgood, George H., and R. G. Peterson, Tacoma, Wash.; Said Peterson assignor to said Osgood. Waterproof starch-base adhesive. 2,141,313; Dec. 27.

Ossing, Stanley F., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Sewage shredder. 2,141,663; Dec. 27.

Ossing, Stanley F., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Grinder. 2,141,664; Dec. 27.

Ossing, Stanley F., and O. J. Feight, Columbus, Ohio, assignors to The Jeffrey Manufacturing Company. Grinder. 2,141,662; Dec. 27.

Oswego Falls Corporation. (See La Bombard, Leon E., assignor.)

Oswego Falls Corporation. (See Price, John F., assignor.)

Ottajovits, Alexander, assignor to R. Mahler, Vienna, Austria. Liquid fuel burner. 2,141,360; Dec. 27.

Ovitz, Frank K. (See Adams, E. W., Ovitz, and Wiley.)

Owens, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Switch mechanism. 2,141,278; Dec. 27.

Oxweld Acetylene Company. (See Chadwick, Cecil G., assignor.)

Pacific Electric Manufacturing Corporation. (See Schwager, August C., assignor.)

Packard Motor Car Company. (See Rossmann, Peter F., assignor.)

Pallas Apparate G. m. b. H. (See Schüttler, Paul, assignor.)

Panagopoulos, John, Youngstown, Ohio. Beer drawing and cooling system. 2,141,221; Dec. 27.

Paper Patents Company. (See Swanson, W. H., and Porter, assignors.)

Paredes, Walter J., Chicago, Ill., assignor to Arlavox Manufacturing Company. Magnetic speaker. 2,141,820; Dec. 27.

Parker, Lucian E., Wadsworth, Ohio, assignor to The Diamond Match Company, New York, N. Y. Mechanism for assembling match packets and the like. 2,141,483; Dec. 27.

Partridge, John H., Middlesex, England, assignor to General Electric Company. Receptacle for containing glass during its manufacture. 2,141,930; Dec. 27.

Pash, Robert, assignor, by mesne assignments, to A. H. Boesch, Danbury, Conn. Method of and apparatus for handling and treating flexible bodies. 2,141,931; Dec. 27.

Pass & Seymour, Inc. (See Russell, Mark N., assignor.)

Patrick, Rollin H., Deer Park, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Work holder mechanism for machine tools and the like. 2,142,034; Dec. 27.

Patrick, William P., Vaughn, Wash. Magnetic recorder. 2,141,548; Dec. 27.

Paul, Thorolf, assignor to Stewart-Warner Corporation, Chicago, Ill. Magnetic speedometer. 2,141,445; Dec. 27.

Paxton, Hale, Redlands, Calif., assignor, by mesne assignments, to Food Machinery Corporation. Lidding machine. 2,141,549; Dec. 27.

Paxton, Hale, Santa Ana, Calif., assignor, by mesne assignments, to Food Machinery Corporation. Coating material applying device. 2,141,550; Dec. 27.

Payne, John H., Ballston Spa, N. Y., assignor to General Electric Company. Sealing receptacles. 2,141,932; Dec. 27.

Payne, Oscar V., Leicester, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp beam and making. 2,141,665; Dec. 27.

Payne, Oscar V., Leicester, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Picking motion for looms. 2,141,666; Dec. 27.

Peaslee, Willetts, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Dowel pin former. 2,142,035; Dec. 27.

Peery, Elmer J. (See Garrard, G. W., and Peery.)

Peet, Gerald D., Montclair, assignor to Wallace & Tierman Products, Inc., Belleville, N. J. Making air-vapor mixtures. 2,141,875; Dec. 27.

Pemberton, Cecil R., Silver Spring, Md. Composite plaster base and insulating unit. 2,141,821; Dec. 27.

Penick, Arthur J. (See Penick, Kirby T., and A. J.)

Penick, Kirby T. and A. J., Houston, Tex. Stuffing box. 2,141,404; Dec. 27.

Perkins, Frank P., assignor to Michael Yumdt Company, Waukesha, Wis. Conveyer. 2,141,876; Dec. 27.

Perrault, Amos, Detroit, Mich. Golf practice device. 2,141,250; Dec. 27.

Perrott, Laurence F., Revere, Mass., assignor to General Electric Company. Cathode. 2,141,933; Dec. 27.

Persons, Charles A., assignor to Persons-Majestic Mfg. Company, Worcester, Mass. Bicycle pedal. 2,141,446; Dec. 27.

Persons-Majestic Mfg. Company. (See Persons, Charles A., assignor.)

Peterson, Howard G., New York, N. Y. Distillate treating process. 2,141,798; Dec. 27.

Peterson, Russell G. (See Osgood, G. H., and Peterson.)

Petitcolas, Pierre, Rouen, assignor to Compagnie Nationale de Matières Colorantes et Manufactures de Produits Chimiques du Nord Réunies, Etablissements Kuhlmann, Paris, France. Water-insoluble azo dyestuffs. 2,141,667; Dec. 27.

Philco Radio and Television Corporation. (See Barton, Loy E., assignor.)

Philco Radio and Television Corporation. (See Campbell, Richard L., assignor.)

Phinney, Robert M., and W. H. Hoppe, assignors to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,141,551; Dec. 27.

Pieper, Conrad C., St. Louis, Mo. Brake. 2,141,723; Dec. 27.

Pierson, William D., assignor to The Waterbury Farrel Foundry & Machine Company, Waterbury, Conn. Belt driven wire spooler. 2,141,934; Dec. 27.

Piglia, Charles M., assignor to Plant Protectors, Inc., Los Angeles, Calif. Plant cover. 2,141,484; Dec. 27.

Piglia, Charles M., assignor to Plant Protectors, Inc., Los Angeles, Calif. Plant cover setter. 2,141,485; Dec. 27.

Piglia, Charles M., assignor to Plant Protectors, Inc., Los Angeles, Calif. Apparatus for cultivating celery with white stalks. 2,141,486; Dec. 27.

Pilat, Stanislaw, and M. Godlewicz, Lwow, Poland, assignors to Shell Development Company, San Francisco, Calif. Dewaxing process. 2,141,361; Dec. 27.

Pioch, William F., Detroit, assignor to Ford Motor Company, Dearboarn, Mich. Fastener. 2,141,222; Dec. 27.

Pistorius, Conrad, Chicago, Ill. Culinary utensil. 2,141,223; Dec. 27.

Pitney-Bowes Postage Meter Co. (See Wheeler, W. H., Jr., Ogden, and Rouan, assignors.)

Pittsburgh Crucible Steel Company. (See Ferm, John F., assignor.)

Pfleger, Joseph, and M. Marrapese, Cleveland, Ohio. Paper roll holder. 2,141,314; Dec. 27.

Plant Protectors, Inc. (See Piglia, Charles M., assignor.)

Platt, Leland H., Jr. (See Platt, Leland H. and L. H., Jr.)

Platt, Leland H. and L. H., Jr., Los Angeles, Calif. Washer for fruits, vegetables, and the like. 2,141,362; Dec. 27.

Platter, Edgar, Pine Ridge, Oreg. Saw set. 2,141,695; Dec. 27.

Pleasure, Max A., Elmhurst, Fushing, N. Y. Artificial denture. 2,141,487; Dec. 27.

Pollock, Albert E., New York, N. Y. List finding device. 2,141,761; Dec. 27.

Poor & Company. (See Warr, H. G., and McLauchlin, assignor.)

Pope, Thomas J. (See Harrison, H. C., and Pope.)

Porter, Donald C. (See Swanson, W. H., and Porter.)

Porter, Kirk E., assignor to The Buckeye Aluminum Company, Wooster, Ohio. Cooking utensil. 2,141,822; Dec. 27.

Portmann, August, assignor to the firm Schweizerische Lokomotiv- & Maschinenfabrik, Winterthur, Switzerland. Cylinder head for two-cycle double-bore-cylinder internal combustion engines. 2,142,004; Dec. 27.

Postma, Frank, Ridgewood, N. J. Abrading liner. 2,141,823; Dec. 27.

Pott, Alfred, Essen-on-the-Ruhr, Germany. Production of extracts from carbonaceous material. 2,141,615; Dec. 27.

Potter, Thomas I. (See Bronaugh, L. J., and Potter.)

Powell, Henry K. (See Lebold, S. N., and Powell.)

Powell, Ross C. (See Wolf, O., and Powell.)

Prestinari, Eugen, Summit, N. J., assignor to The Hadley Company, Inc., Providence, R. I. Clasp construction. 2,141,251; Dec. 27.

Preuss, Ernst Gustav. (See Loewenstein, Carl A., assignor.)

Price, John F., assignor to Oswego Falls Corporation, Fulton, N. Y. Slip cover construction. 2,141,447; Dec. 27.

Prindle, Karl E., Shaker Heights, assignor to The Dobeckmun Company, Cleveland, Ohio. Package. 2,141,252; Dec. 27.

Pullen, Rodney S., Akron, Ohio. Packet boxing machine and method. 2,141,448; Dec. 27.

Putnam, Charles P., Lockhaven, Pa., assignor to Beloit Iron Works, Beloit, Wis. Unwinder and winder mechanism for paper machinery. 2,141,315; Dec. 27.

Pyle, Charles W., Milwaukee, Wis. Boat. 2,141,799; Dec. 27.

Radetzky, Irving, New York, N. Y. Container for toilet materials. 2,141,616; Dec. 27.

Radioaktiengesellschaft D. S. Loewe. (See Schlesinger, Kurt, assignor.)

Radio Corporation of America. (See Eddison, Clifford, assignor.)

Radio Corporation of America. (See George, R. W., and Trevor, assignors.)

Radio Corporation of America. (See Herold, Edward W., assignor.)

Radio Corporation of America. (See Holst, P. F. G., and Kirkwood, assignors.)

Radio Corporation of America. (See Linsell, Alfred A., assignor.)

Radio Corporation of America. (See Reinartz, John L. assignor.)

Radio Corporation of America. (See Smith, Rogers M., assignor.)

Radio Corporation of America. (See Thompson, Browder J., assignor.)

Radio Corporation of America. (See Thompson, Harry C., assignor.)

Radio Corporation of America. (See Weathers, Paul, assignor.)
Radio Patents Corporation. (See Bier, Walter, assignor.)
Ranco Incorporated. (See Raney, Eldon D., assignor.)
Randall, Chester J., Naugatuck, Conn., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Apparatus for manufacturing rubber strips. 2,141,405; Dec. 27.
Raney, Eldon D., assignor to Ranco Incorporated, Columbus, Ohio. Thermoresponsive control switch. 2,141,825; Dec. 27.
Ranger, Halleck G., Seattle, Wash. Tennis racket. 2,141,824; Dec. 27.
Rathbun, Merrill L., Jamestown, N. Y. Closed receptacle or case. 2,141,449; Dec. 27.
Ratié, Pierre P., assignor to Societe d'Etudes pour l'Aviation (S. E. P. A.), Montrouge, France. Variable pitch airscrew. 2,141,552; Dec. 27.
Ravkind, Edna. (See Frankfurt, E., and Ravkind.)
Ravut, Camille, and L. Godeau, assignors to Societe Industrielle des Telephones (Constructions Electriques, Caoutchouc, Câbles), Paris, France. Transmission control circuit. 2,141,553; Dec. 27.
Ravven, Leo I., Boston, assignor to Air-O-Matic Ventilator Company, Roxbury, Mass. Ventilator. 2,141,762; Dec. 27.
Reading, Carlos A., et al. (See Robinson, Walter J., assignor.)
Reconstruction Finance Corporation. (See Bailey, Warren G., assignor.)
Refining, Inc. (See Thurman, Benjamin H., assignor.)
Refrigeration Patents Corporation. (See Bronaugh, L. J., and Potter, assignors.)
Reichard, Wade H., assignor to General Railway Signal Company, Rochester, N. Y. Adjustable magnetic core structure. 2,141,554; Dec. 27.
Reid, Ebenezer E., Baltimore, Md., assignor to Hercules Powder Company, Wilmington, Del. Production of succinic acid. 2,141,406; Dec. 27.
Reid, George H., London, England. Gyroscopic aircraft instrument. 2,141,555; Dec. 27.
Reifsnyder, James D., assignor to Lily Tulip Cup Corporation, New York, N. Y. Sealed container. 2,141,556; Dec. 27.
Reinartz, John L., Manchester, Conn., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Carrier and modulation indicator. 2,141,668; Dec. 27.
Reiter, Otis F., assignor to Fastpic Corporation, Baltimore, Md. Stone-picking machine. 2,141,557; Dec. 27.
Reznor, George F., Mercer, Pa. Signaling device. 2,141,844; Dec. 27.
Rheinmetall-Borsig Aktiengesellschaft/werk Borsig Berlin-Tegel. (See Clar, F. K., assignor, and Geissen.)
Rich, Joseph H., Amherst, Mass. Pruning tool. 2,141,224; Dec. 27.
Richards, Harry A. (See Varley, Richard, assignor.)
Richardson Company, The. (See Keller, Charles L., assignors.)
Richardson, Elton. (See Marsh, Harry C., assignor.)
Richter, Adolf, Dessau-in-Anhalt, W. Busch, Leverkusen I. G. Werk, and M. O. Schürmann, Dormagen, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Recovery of copper from waste liquors of the artificial silk industry. 2,141,763; Dec. 27.
Richter, Alfred F., Des Moines, Iowa. Snow plow attachment for motor vehicles. 2,141,558; Dec. 27.
Richter, George A., and H. P. Vannah, assignors to Brown Company, Berlin, N. H. Making viscose. 2,141,669; Dec. 27.
Riddell, William A., assignor to The General Engineering Company, Frederick, Md. Coal burning automatically fired hot water heater. 2,141,764; Dec. 27.
Ridgway, Raymond R., Niagara Falls, N. Y., assignor to Norton Company, Worcester, Mass. Boron carbide alloy and making the same. 2,141,617; Dec. 27.
Ridley, Frank F., Rutland Park, Sheffield, assignor to Colliery Engineering Limited, Yorkshire, England. Apparatus for the pneumatic separation of materials of different specific gravities and sizes. 2,141,451; Dec. 27.
Riedel, Otto P., Bergenfield, N. J., assignor to Metaphane, Inc. Beadlike metal surface ornamentation. 2,141,488; Dec. 27.
Riemenschneider, Ernest, and R. H. Thomis, assignors to The Midland Steel Products Company, Cleveland, Ohio. Apparatus for expanding sections of tubing. 2,142,017; Dec. 27.
Rigollet, Louis, Paris, France, assignor to Rubel Brothers Limited, London, England. Jewelry setting. 2,141,363; Dec. 27.
Rintelman, William L., Carrollville, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Compounds of the benzanthraquinone series. 2,141,877; Dec. 27.
Ritzerfeld, Wilhelm, Berlin, Germany. Duplicating apparatus. 2,141,407; Dec. 27.
Roadley, Percy R., Drummondville, Quebec, Canada, assignor to Celanese Corporation of America. Spinning and twisting. 2,141,724; Dec. 27.
Roberts, Arnold M., Flixton, England, assignor to General Electric Company. Arc welding flux. 2,141,316; Dec. 27.
Roberts, David, Sedalia, Mo. Knock-down structure. 2,142,005; Dec. 27.
Robertson, Robert R., assignor to The Translode Joint Company, Chicago, Ill. Expansion joint with peripheral seal. 2,141,559; Dec. 27.
Robertson, William W., Northboro, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Rope drum for needle looms. 2,141,670; Dec. 27.
Robinson, Joseph, New York, N. Y., assignor of one-half to R. M. Wolvin. Automatic train pipe connecter. 2,141,196; Dec. 27.
Robinson, Walter J., assignor of one-third to C. H. Stocking and one-third to C. A. Reading, Ann Arbor, Mich. Precooking leguminous food products. 2,141,364; Dec. 27.
Robson, Duer C. (See Johnson, F. V., and Robson.)
Roby, William G., Park Ridge, assignor to Cinch Manufacturing Corporation, Chicago, Ill. Fastener member and installation of the same. 2,141,878; Dec. 27.
Rodd, Brent T., and G. E. Judd, Fort Myers, Fla. Storm center locator. 2,141,696; Dec. 27.
Roesch Porcelain Construction, Inc. (See Miner, John H., assignor.)
Roge, Edward, Chicago, Ill., assignor to Lever Brothers Company, Cambridge, Mass. Valve for can filling machines. 2,141,618; Dec. 27.
Ronci, Victor L. (See Clark, J. E., and Ronci.)
Rosabal, Antonio, Alajuela, Costa Rica. Plastering machine. 2,142,071; Dec. 27.
Rose, Edwin L., Watertown, assignor to The Waterbury Tool Company, Waterbury, Conn. Power transmission. 2,141,935; Dec. 27.
Roseby, Philip N., Woodvale, near Southport, England, assignor to Associated Telephone and Telegraph Company, Chicago, Ill. High frequency current generating and distribution system. 2,141,489; Dec. 27.
Rosefield, Joseph L., Alameda, Calif. Peanut butter package. 2,141,725; Dec. 27.
Rosenberg, Aron H., New York, N. Y. Fibrous silk and the manner of its production. 2,141,253; Dec. 27.
Rosenthal, William, assignor to Maiden Form Brassiere Company, Inc., New York, N. Y. Brassière and breast pad. 2,141,408; Dec. 27.
Rossmann, Peter F., assignor to Packard Motor Car Company, Detroit, Mich. Door lock. 2,141,225; Dec. 27.
Rouan, Francis J. (See Wheeler, W. H., Jr., Ogden, and Rouan.)
Rowland, Kenneth H., and R. V. Wallin, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Hydration of olefines. 2,142,036; Dec. 27.
Royal Mounters, Inc. (See Mancuso, Ralph J., assignor.)
Rubel, Bertrand, and C. Leab, Cincinnati, Ohio; said Leab assignor to said Rubel. Bakery machinery. 2,141,226; Dec. 27.
Rubel Brothers Limited. (See Rigollet, Louis, assignor.)
Ruberti, James, Fitchburg, Mass. Game. 2,141,958; Dec. 27.
Rubin, Louis C., Nutley, assignor to Gasoline Products Company, Inc., Newark, N. J. Conversion of hydrocarbon oil. 2,142,075; Dec. 27.
Rudnick, Samuel, assignor to American Feather Products Corporation, Chicago, Ill. Ornamental fabric and making same. 2,141,560; Dec. 27.
Russell, Mark N., assignor to Pass & Seymour, Inc., Syracuse, N. Y. Electric light fixture. 2,141,879; Dec. 27.
Russell, Robert C., Cleveland, Ohio, assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Steering mechanism. 2,141,697; Dec. 27.
Rust, John B., Orange, N. J., assignor to Ellis-Foster Company. Color-stable oil-modified resin and making same. 2,141,197; Dec. 27.
Rust, John B., Orange, N. J., assignor to Ellis-Foster Company. Light-colored high-melting-point resin adapted for varnish making and process of making same and coating compositions therefrom. 2,141,198; Dec. 27.
Rust, John B., Orange, N. J., assignor to Ellis-Foster Company. Phenolic acetaldehyde resin and making the same. 2,142,076; Dec. 27.
Rust, John B., Orange, N. J., assignor to Ellis-Foster Company. Alkali-resisting phenolic aldehyde siccative composition and making same. 2,142,077; Dec. 27.
Rust, John B., Orange, N. J., assignor to Ellis-Foster Company. Initially light colored phenol-acetaldehyde resin. 2,142,078; Dec. 27.
Ryder, Orin J., Detroit, Mich., assignor to The Murray Corporation of America. Time control contactor. 2,141,561; Dec. 27.
Sabel, John C., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Lens mount. 2,141,317; Dec. 27.
Sadler, Ernest K., Los Angeles, Calif., assignor, by mesne assignments, to General Electric Company. Electric switch. 2,141,279; Dec. 27.
Safety Car Heating & Lighting Company, The. (See Hulse, George E., assignor.)
Sager, Solomon M., Hubbard Woods, Ill. Plunger type fountain pen. 2,141,199; Dec. 27.
Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Rubber container manufacture. 2,141,318; Dec. 27.

Sands, Roy G., Waukegan, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Substation protector. 2,141,490; Dec. 27.
Sassen, Bernard, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Automatic universal profile and die-sinking machine. 2,142,061; Dec. 27.
Sato, Takeo, Tokyo, Japan, assignor to General Electric Company. Simplified structure for driving spinning blades. 2,141,319; Dec. 27.
Satre, Hilmar E., assignor to First Caisson Machinery & Boring Co., Chicago, Ill. Auger shaft. 2,141,880; Dec. 27.
Sauer, Oskar, Philadelphia, Pa. Lace fabric. 2,141,409; Dec. 27.
Saueriand, Joseph, West New York, N. J., assignor to Hardman, Peck and Company, New York, N. Y. Piano mechanism. 2,141,765; Dec. 27.
Saunders, William D., Blacksburg, Va. Making cheese. 2,141,698; Dec. 27.
Sauter, William V., assignor to American Engineering Company, Philadelphia, Pa. Tuyère. 2,141,619; Dec. 27.
Sauter, William V., assignor to American Engineering Company, Philadelphia, Pa. Stoker. 2,141,620; Dec. 27.
Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Loose leaf binder. 2,141,410; Dec. 27.
Schaefer, Carl A., assignor to Square D Company, Detroit, Mich. Electric switch. 2,141,227; Dec. 27.
Schafer, John V., assignor to Bronson Reel Company, Bronson, Mich. Fishing reel. 2,141,726; Dec. 27.
Schaffer, Herman P., and D. O. Headley, Washington, Pa., assignors to Hazel-Atlas Glass Co., Wheeling, W. Va. Timing system for glass feeders. 2,142,006; Dec. 27.
Schaper, William A., assignor to Johnson Laboratories, Inc., Chicago, Ill. High-frequency coupling device. 2,141,254; Dec. 27.
Schat, Ane P., Utrecht, Netherlands. Launching lifeboats. 2,141,452; Dec. 27.
Schelling, George C. (See McCabe, J. J., and Schelling.)
Schlack, Paul, Berlin-Treptow, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of artificial silk. 2,142,007; Dec. 27.
Schlesinger, Kurt, Berlin, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany. Television amplifier. 2,141,411; Dec. 27.
Schlesinger, Kurt, Berlin, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany. Detector for television. 2,141,412; Dec. 27.
Schlesinger, Kurt, Berlin, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany. Building up of highly sensitive cascade amplifiers. 2,141,413; Dec. 27.
Schlesinger, Kurt, Berlin, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany. Braun tube. 2,141,414; Dec. 27.
Schlesinger, Kurt, Berlin, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany. Multiple cathode-ray tube. 2,141,415; Dec. 27.
Schlumberger, Conrad, deceased; A. M. L. Doll, administratrix, assignor to Societe de Prospection Electrique, Procedes Schlumberger, Paris, France. Method and arrangement for the electrical survey of the strata traversed by a bore hole. 2,141,826; Dec. 27.
Schlumberger, Marcel, assignor to Societe de Prospection Electrique, Procedes Schlumberger, Paris, France. Device for distant firing of explosive charges. 2,141,827; Dec. 27.
Schlumberger, Marcel, assignor to Société de Prospection Electrique, Procédés Schlumberger, Paris, France. Arrangement for determining the orientation and value of dip of the beds traversed by a bore hole. 2,141,828; Dec. 27.
Schmidt, Edwin X., Whitefish Bay, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Apparatus for calorimetry of combustible fluids. 2,141,453; Dec. 27.
Schmitt, Richard H., Schenectady, N. Y., assignor to General Electric Company. Switch handle guard. 2,141,936; Dec. 27.
Schneible, Claude B., Chicago, Ill. Column. 2,141,829; Dec. 27.
Schrader, Leo W. (See Hahn, F., and Schrader.)
Schrauth, Walther, Berlin-Dahlem, Germany. Treating fibrous material. 2,141,845; Dec. 27.
Schray, Walter H., assignor to United Steel and Wire Company, Battle Creek, Mich. Basket carrying cart. 2,141,881; Dec. 27.
Schreiber, Eva, née Stege. (See Meyer, F., and Schreiber.)
Schröter, Erich, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Electric phase shifting circuits. 2,141,937; Dec. 27.
Schurmann, Max O. (See Richter, A., Busch, and Schürmann.)
Schüttler, Paul, Berlin-Charlottenburg, assignor to Pallas Apparate G. m. b. H., Berlin, Germany. Fuel regulator for carburetors. 2,141,365; Dec. 27.
Schwager, August C., assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif. High tension switch. 2,141,846; Dec. 27.
Schweizerische Lokomotiv- & Maschinenfabrik. (See Portmann, August, assignor.)
Schweller, Edmund F., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,141,255; Dec. 27.
Scott, Harold V., Detroit, Mich. Electrical refrigerator shelf. 2,142,008; Dec. 27.
Searles, Raymond R., assignor to The Fafnir Bearing Company, New Britain, Conn. Lapping device. 2,141,491; Dec. 27.
Seiter, Otto. (See Freudenberg, G., Seiter, and Boll.)
Self, Grafton H., Twin Falls, Idaho. Combination ground crust breaker, weeder, and mulcher. 2,141,830; Dec. 27.
Selman, Henry P., Detroit, Mich. Nut tapping machine. 2,141,280; Dec. 27.
Serruys, Max Y. A., Paris, France. Indicator of detonations for internal combustion engines. 2,141,416; Dec. 27.
Servel, Inc. (See Lenning, Alvar, assignor.)
Servel, Inc. (See Shagaloff, Harry C., assignor.)
Setzer, Albert, North Scituate, R. I. Electric storage battery. 2,141,621; Dec. 27.
Setzler, Horace B., Coffeyville, Kans., assignor to The National Refining Company. Solvent dewaxing process for lubricating oils. 2,141,622; Dec. 27.
Shagaloff, Harry C., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,141,882; Dec. 27.
Shearer, George W., Montreal, Quebec, Canada. Humidifier. 2,141,417; Dec. 27.
Shell Development Company. (See Francis, C. E., and Greensfelder, assignors.)
Shell Development Company. (See Malishev, Boris, assignor.)
Shell Development Company. (See Pilat, S., and Godlewicz, assignors.)
Shell Development Company. (See von Thyssen-Bronemisza, Stephan B., assignor.)
Shepherd, Thomas C. R., Stretford, England, assignor to General Electric Company. Arc welding flux. 2,141,938; Dec. 27.
Shoults, David R., Schenectady, N. Y., assignor to General Electric Company. Control system. 2,141,939; Dec. 27.
Shurback, Samuel, North Kansas City, Mo., assignor, by mesne assignments, to Corn Products Refining Company, New York, N. Y. Manufacture of starch. 2,141,562; Dec. 27.
Sibley, Edward L., Bennington, Vt. Stapler. 2,141,366; Dec. 27.
Siebert, William R., Brooklyn, assignor of sixty-six and two-thirds to Acme Bulletin & Directory Board Corp., New York, N. Y. Embossing machine. 2,142,009; Dec. 27.
Siemens & Halske, Aktiengesellschaft. (See Weis, Adolf, assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Leukert, Wilhelm, assignor.)
Silex Company, The. (See Warner, Maurice L., assignor.)
Silsby, Charles F., White Plains, assignor to General Chemical Company, New York, N. Y. Manufacture of carbon bisulphide. 2,141,766; Dec. 27.
Silsby, Charles F., White Plains, assignor to General Chemical Company, New York, N. Y. Manufacture of carbon bisulphide. 2,141,768; Dec. 27.
Simmons Paper Products, Inc. (See Simmons, Paul R., assignor.)
Simmons, Paul R., assignor to Simmons Paper Products, Inc., Warsaw, Ind. Conveyer. 2,141,883; Dec. 27.
Simon, Henry, Limited. (See Frérotte, Auguste, assignor.)
Simpson, Robert W., New York, N. Y. Combination lamp and display device. 2,141,769; Dec. 27.
Sinclair, Harold, Kensington, London, England. Hydraulic power transmission system. 2,141,940; Dec. 27.
Singh, Alamjit D., Urbana, assignor, by mesne assignments, to Commonwealth Edison Company, Chicago, Ill. Converting a sulphite into an oxide and sulphur dioxide. 2,141,228; Dec. 27.
Sinkovitz, Joseph, assignor to Miller Printing Machinery Co., Pittsburgh, Pa. Pile raising and lowering mechanism. 2,141,418; Dec. 27.
Sisson, Orta D., Oakland, Calif., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Apparatus for cleaning sand. 2,142,010; Dec. 27.
Skeen, John R., Philadelphia, Pa., assignor to The United Gas Improvement Company. Leakproofing packed joint in gas distribution systems. 2,141,959; Dec. 27.
Skojec, Paul, Sr., et al. (See Skojec, William, assignor.)
Skojec, William, assignor of one-twelfth to P. Skojec, Sr., and five-twelfths to A. Stroka, Binghamton, N. Y. Multiple fuse plug. 2,141,563; Dec. 27.
Slater, Fred M., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for pneumatic tools. 2,141,727; Dec. 27.
Slingerland Banjo & Drum Company. (See McNamara, Ignatius J., assignor.)
Smetherman, Jesse C., Bakersfield, assignor to Globe Oil Tools Company, Los Nietos, Calif. Core drill construction. 2,141,800; Dec. 27.
Smith, Edward W., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Charging storage batteries. 2,141,624; Dec. 27.

Smith, Edward W., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Storage battery charge indicating means. 2,141,625; Dec. 27.
Smith, Randolph L. (See Halvorson, H. O., and Smith.)
Smith, Rogers M., Merchantville, N. J., assignor to Radio Corporation of America. Reduction of noise. 2,141,229; Dec. 27.
Societe de Prospection Electrique, Procedes Schlumberger. (See Schlumberger, Conrad, assignor.)
Societe de Prospection Electrique, Procedes Schlumberger. (See Schlumberger, Marcel, assignor.)
Societe d'Etudes Pour l'Aviation. (See Ratlé, Pierre P., assignor.)
Société d'Inventions Aeronautiques et Mécaniques S. I. A. M. (See Levy, René L., assignor.)
Societe Industrielle des Telephones (Constructions Electriques, Caoutchouc, Câbles). (See Ravut, C., and Godeau, assignors.)
Society of Chemical Industry in Basle. (See Dürr, Ernst, assignor.)
Sodeco Société de Compteurs de Geneve. (See Dietrich, T., and Borel, assignors.)
Solar Aircraft Company. (See Nickel, Frederick E., assignor.)
Solomon, Guillermo, Santiago, Dominican Republic. Control device for radio receiving sets. 2,141,770; Dec. 27.
Solomon, Nathan L., Mount Vernon, N. Y. Barrette. 2,141,368; Dec. 27.
Sonneborn, L., Sons, Inc. (See Tausz, Jeno, assignor.)
Sonnefeld, August, assignor to the firm Carl Zeiss, Jena, Germany. Photographic objective. 2,141,884; Dec. 27.
Southern Steel Company. (See Youngblood, David F., assignor.)
Southwick, Charles R., assignor to United States Gypsum Company, Chicago, Ill. Cutting tool. 2,141,492; Dec. 27.
Southworth, George C., Red Bank, N. J., assignor to American Telephone & Telegraph Company. Wave transmission. 2,141,281; Dec. 27.
Southworth, George C., Red Bank, N. J., and F. H. Willis, New York, N. Y., assignors to American Telephone & Telegraph Company. Wave transmission. 2,141,282; Dec. 27.
Spang, Ferdinand J., Butler, Pa. Multiple packer. 2,141,419; Dec. 27.
Sparling, William J., assignor to Chain Belt Company, Milwaukee, Wis. Sprocket chain construction. 2,141,771; Dec. 27.
Sperry Gyroscope Company. (See Carter, Leslie F., assignor.)
Spiering, Charles W. (See Hansen, A. E., and Spiering.)
Spiess, Georg, Leipzig, Germany. Sheet delivery apparatus for folding machines. 2,142,011; Dec. 27.
Square D Company. (See Schaefer, Carl A., assignor.)
Squibb, E. R., & Sons. (See Christianson, W. G., and Harris, assignors.)
Stackpole Carbon Company, The. (See Hathorn, Clarence J., assignor.)
Stadler, Albert, assignor to G. W. McKee, Rockford, Ill. Circuit controlling device. 2,141,772; Dec. 27.
Stahl, William, Los Angeles, Calif. Store front construction. 2,141,564; Dec. 27.
Stamm, Frederick C., Lockport, N. Y. Moisture control system. 2,142,037; Dec. 27.
Standard-Knapp Corporation. (See Kimball, W. D., and Braren, assignors.)
Standard Oil Company. (See Adams, E. W., Ovitz, and Wiley, assignors.)
Standard Oil Company. (See Buchler, C. C., and Diggs, assignors.)
Standard Oil Company. (See Thiele, E. W., and Ginsberg, assigns.)
Standard Oil Development Company. (See Hahn, F., and Schrader, assignors.)
Standard Oil Development Company. (See Harrington, Paul J., assignor.)
Standard Oil Development Company. (See Lewis, Warren K., assignor.)
Standard Oil Development Company. (See Sweeney, W. J., and Laughlin, assignors.)
Stanley, Herbert M., Tadworth, J. E. Youell, Wallington, and C. Minkoff, Belmont, England. Production of glycol derivatives. 2,141,443; Dec. 27.
Stanolind Oil and Gas Company. (See Bays, George S., assignor.)
Stanolind Oil and Gas Company. (See Clark, Joseph B., assignor.)
Stechbart, Bruno, and A. G. Brueske, assignors to The Bell & Howell Company, Chicago, Ill. Motion picture camera and the like. 2,141,960; Dec. 27.
Stein, Charles F., La Grange, and A. C. Swanson, Chicago, Ill. Upright piano. 2,141,728; Dec. 27.
Stern, Eugen, Berlin, Germany. Foot arch support. 2,141,699; Dec. 27.
Stewart Bros. (See Bailey, Charles W., assignor.)
Stewart, Joseph, Elmhurst, N. Y. Apparatus for heating vegetable oils. 2,141,941; Dec. 27.
Stewart and McGuire, Incorporated. (See Hoban, Fairfield W., assignor.)
Stewart-Warner Corporation. (See Paul, Thoroff, assignor.)
Stilson, Herbert A., assignor to McGill Metal Products Company, Chicago, Ill. Blade holder. 2,141,565; Dec. 27
Stocking, Charles H., et al. (See Robinson, Walter J., assignor.)
Stockstrom, Arthur, and G. P. Eichelsbach, Jr., assignors to American Stove Company, St. Louis, Mo. Range. 2,141,831; Dec. 27.
Stoffregen, Herman C. (See Duntze, George D., assignor.)
Stokes, F. J., Machine Company. (See Westin, Charles J., assignor.)
Stone, Robert L. (See Thompson, L., and Stone.)
Story, Edward B., Library, and E. P. Best, Edgeworth, assignors to A. M. Byers Company, Pittsburgh, Pa. Manufacture of wrought iron. 2,141,671; Dec. 27.
Story, Le Roy G., White Plains, assignor to The Texas Company, New York, N. Y. Solvent refining hydrocarbon oil. 2,141,626; Dec. 27.
Strain, Daniel E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Acryloxy carboxylic acids and their esters. 2,141,546; Dec. 27.
Strathmeyer, Walter, Oppau, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Recovery of fluorine compounds from water vapor containing volatile fluorine compounds. 2,141,773; Dec. 27.
Straus, Henry P., New York, N. Y., assignor to Woburn Degreasing Company of New Jersey, Kearny, N. J. Plasticizing product or plastic. 2,141,885; Dec. 27.
Street, Chauncey C., Providence, R. I., assignor to Federal Products Corporation. Gauge or indicator. 2,141,627; Dec. 27.
Strobridge, William. (See Bowdoin, G. E., and Strobridge.)
Stroka, Andrew, et al. (See Skojec, William, assignor.)
Strube, Harry L., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Vibrating screen spring. 2,141,320; Dec. 27.
Sudlow, Henry E., Coral Gables, Fla. Cattle fly trap. 2,141,454; Dec. 27.
Suits, Chauncey G., Schenectady, N. Y., assignor to General Electric Company. Photoelectric relay. 2,141,942; Dec. 27.
Suits, Chauncey G., Schenectady, N. Y., assignor to General Electric Company. Electric circuit. 2,141,943; Dec. 27.
Sun Engraving Company Limited, The. (See Greenhill, David, assignor.)
Sun Tube Corporation, The. (See Fridén, John H., assignor.)
Sundback, Gideon, Meadville, Pa., assignor to Talcon, Inc. Machine for making fastener stringers. 2,141,200; Dec. 27.
Suydam, Clinton H., East Orange, assignor to Federal Telegraph Company, Newark, N. J. Vacuum tube. 2,141,256; Dec. 27.
Swanson, Arthur C. (See Stein, C. F., and Swanson.)
Swanson, Walter H., Neenah, and D. C. Porter, Appleton, assignors to Paper Patents Company, Neenah, Wis. Reclaimed gas recovery process. 2,141,886; Dec. 27.
Sweeney, William J., and K. C. Laughlin, Baton Rouge, La., assignors to Standard Oil Development Company. Asphalt emulsion. 2,141,230; Dec. 27.
Swenson, Gustave A., Champaign, Ill. Stone-cutting apparatus. 2,141,566; Dec. 27.
Swenson, Gustave A., Champaign, Ill. Stone-working tool. 2,141,567; Dec. 27.
Swickard, Andrew E., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 2,141,420; Dec. 27.
Sylvania Industrial Corporation. (See Morgan, Willard L., assignor.)
Taft, Seymour, Flushing, N. Y. Shoelace. 2,141,801; Dec. 27.
Talcon, Inc. (See Sundback, Gideon, assignor.)
Tallman, Leslie R., Shelbyville, Ill. Pick-up mechanism. 2,141,493; Dec. 27.
Tausz, Jeno, Petrolia, Pa., assignor to L. Sonneborn Sons, Inc. Alloy. 2,141,201; Dec. 27.
Taylor, Claude C., Whittier, Calif. Bailer. 2,141,672; Dec. 27.
Taylor, Harry C., Hammond, Ind. Brake beam support. 2,141,321; Dec. 27.
Taylor, Maurice. (See Costanzo, Carmen A., assignor.)
Taylor, William S., Seattle, Wash. Folding cleat or grouser. 2,141,421; Dec. 27.
Telephon-Apparat Fabrik E. Zwietusch & Co. (See Döhle, Hinrich, assignor.)
Teletype Corporation. (See Grey, Victor, assignor.)
Temte, Nils O., assignor to The Goss Printing Press Company, Chicago, Ill. Stereotype plate casting mechanism. 2,141,802; Dec. 27.
Tenant, Joseph A., assignor to Abercrombie Pump Company, Houston, Tex. Relief valve. 2,141,847; Dec. 27.
Texas Company, The. (See Clarke, L. A., and Towne, assignors.)
Texas Company, The. (See Hendrey, W. B., and Cook, assignors.)
Texas Company, The. (See Story, Le Roy G., assignor.)
Texas Company, The. (See Wolf, O., and Powell, assignors.)
Thermoid Company. (See Hall, William H., Jr., assignor.)
Thiele, Ernest W., and B. Ginsberg, assignors to Standard Oil Company, Chicago, Ill. Preparing lubricating oil stocks from asphalt-containing crude petroleum oils. 2,141,257; Dec. 27.
Thomas, André, Malakoff, France. Control device for variable condensers. 2,141,422; Dec. 27.

Thomas, Frederick, assignor to Keystone Index Card Company, Philadelphia, Pa. Racking mechanism for use in dipping sheets and the like. 2,141,887; Dec. 27.
Thompson, Albert T., New Orleans, La. Liquefier. 2,142,012; Dec. 27.
Thompson, Browder J., Basking Ridge, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electron discharge device. 2,141,673; Dec. 27.
Thompson, Harry C., Montclair, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Cascaded secondary electron emitter amplifier. 2,141,322; Dec. 27.
Thompson, Howard A., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,141,803; Dec. 27.
Thompson, Lincoln, Cheshire, Conn. Automatic volume control for amplifiers. 2,141,944; Dec. 27.
Thompson, Lincoln, and R. L. Stone, Cheshire, Conn. Phonograph reproducer. 2,141,804; Dec. 27.
Thompson Products Incorporated. (See Hufferd, G. H., and Graham, assignors.)
Thompson, Thaddeus S. (See Klema, J. N., and Thompson.)
Thompson, Theodore R., Flint, Mich., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polishing composition. 2,141,729; Dec. 27.
Thompson, William D., Birmingham, Mich., and W. E. Bikle, Park Ridge, assignors to Chicago, Hutchins Corporation, Chicago, Ill. Floating ceiling for car roofs. 2,141,494; Dec. 27.
Thoms, Rudolph H. (See Riemenschneider, E., and Thoms.)
Thurman, Benjamin H., Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev. Proportioning apparatus. 2,142,062; Dec. 27.
Tingle, James G., Miami, Fla. Motor propelled vehicle. 2,141,568; Dec. 27.
Tinnerman, Albert H. (See Tinnerman, George A., assignor.)
Tinnerman, George A., Rocky River, assignor to A. H. Tinnerman, Cleveland, Ohio. Trim panel assembly. 2,141,700; Dec. 27.
Tire Pressure Control, Inc. (See Mann, James H., Jr., assignor.)
Tolerton, Ray E., Fort Wayne, Ind., assignor, by mesne assignments, to The Magnavox Company, Incorporated. Loudspeaker mounting. 2,141,423; Dec. 27.
Tompkins, Charles E., assignor to J. R. Clancy, Inc., Syracuse, N. Y. Stage curtain rigging. 2,142,063; Dec. 27.
Tornberg, Isidor, Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Reel rod for a printing cylinder. 2,141,961; Dec. 27.
Toronto Star Limited, The. (See Wallace, R. E., and West, assignors.)
Torrington Company, The. (See Ball, Charles P., Jr., assignor.)
Towne, Charles C. (See Clarke, L. A., and Towne.)
Translode Joint Company, The. (See Robertson, Robert R., assignor.)
Trautwein, Friedrich, Berlin-Zehlendorf, Germany. Electrical musical instrument. 2,141,231; Dec. 27.
Treadwell, M. H., Company. (See Olson, Johan H., assignor.)
Trevor, Bertram. (See George, R. W., and Trevor.)
Trico Products Corporation. (See Horton, Erwin C., assignor.)
Troisi, Fiorentino G., Pittsburgh, Pa. Signaling apparatus. 2,141,323; Dec. 27.
Trout, Walter C., assignor to Lufkin Foundry & Machine Company, Lufkin, Tex. Counterbalance crank for pumping units. 2,141,424; Dec. 27.
Truefitt, Edward S. V., London, assignor to Electric & Musical Industries Ltd., Hayes, Middlesex, England. Wireless receiving apparatus. 2,141,774; Dec. 27.
Tryit Novelty Company. (See Mould, William A., assignor.)
Tucker, Charles W., administrator. (See Tucker, George R.)
Tucker, George R., deceased, North Andover; C. W. Tucker, administrator, assignor to Dewey and Almy Chemical Company, Cambridge, Mass. Concrete and hydraulic cement. 2,141,569; Dec. 27.
Tucker, Wilmon S., Seattle, Wash. Closure device for collapsible tubes. 2,141,572; Dec. 27.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft replenishing mechanism for oval bobbins. 2,141,674; Dec. 27.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Tension for loom shuttles. 2,141,675; Dec. 27.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Lay motion for looms. 2,141,676; Dec. 27.
Turney, Eugene T., Jr. (See Turney, Eugene T., assignor.)
Turney, Eugene T., Holmes, assignor to E. T. Turney, Jr., New York, N. Y. Electric clock. 2,141,495; Dec. 27.
Tweedale, Ralph L., assignor to The Waterbury Tool Company, Waterbury, Conn. Power transmission. 2,141,945; Dec. 27.
Uherkovich, Julius V., Gary, Ind. Nut lock. 2,141,701; Dec. 27.
Union Switch & Signal Company, The. (See Thompson, Howard A., assignor.)
United-Carr Fastener Corporation. (See Wilson, Cary C., assignor.)
United Gas Improvement Company, The. (See Skeen, John R., assignor.)
United Lens Corporation. (See Arbuckle, S. F., Coulter, and Godley, assignors.)
United Shoe Machinery Corporation. (See La Chappelle, Euclid I., assignor.)
United States Gypsum Company. (See Southwick, Charles R., assignor.)
United States Hoffman Machinery Corporation. (See Bowdoin, G. E., and Strobridge, assignors.)
United States Rubber Company. (See Honig, Frank, assignor.)
United States Rubber Company. (See Hurt, Victor H., assignor.)
United States Rubber Company. (See Randall, Chester J., assignor.)
United States Vanadium Corporation. (See Lorange, Otto H., assignor.)
United Steel and Wire Company. (See Schray, Walter H., assignor.)
Universal Winding Company. (See Kowada, Isoji, assignor.)
Utah Radio Products Company. (See Carbonneau, Gordon S., assignor.)
Van Loon, Carel J., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Radio receiving system. 2,141,730; Dec. 27.
Vannah, Harold P. (See Richter, G. A., and Vannah.)
Van Valkenburgh, Edgar H., Gloversville, N. Y. Abrasive drum for leather surfacing machines and the like. 2,141,962; Dec. 27.
Varley, Richard, St. George, Staten Island, N. Y., assignor, by mesne assignments, to H. A. Richards, Stamford, Conn. Thermostatic device. 2,141,775; Dec. 27.
Vautier, Leon P. G., Saint Just des Marais, and R. E. Fays, Villeurbanne, France, assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulosic structure and preparing same. 2,141,776; Dec. 27.
Veco Corporation. (See Venzie, Frederick M., assignor.)
Venzie, Frederick M., Philadelphia, Pa., assignor to Veco Corporation. Building construction. 2,141,888; Dec. 27.
Visser, John, Grand Rapids, assignor to F. L. Jacobs Co., Detroit, Mich. Finishing. 2,141,496; Dec. 27.
Vogt, Hans, Berlin-Lichterfelde, Germany, assignor to Ferrocart Corporation of America, New York, N. Y. Antenna coupling system. 2,141,573; Dec. 27.
Von Funcke, Hans-Normann. (See Asmussen, H., and von Funcke.)
Von Gunten, Edward G., Akron, Ohio. Steering wheel construction. 2,141,832; Dec. 27.
Von Thyssen-Bornemisza, Stephan B., The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Gravity measuring instrument. 2,141,628; Dec. 27.
Wadsworth, Frank L. O., Pittsburgh, Pa., assignor to Ball Brothers Company, Muncie, Ind. Method and apparatus for feeding molten glass. 2,141,425; Dec. 27.
Waldron, John, Corporation. (See Warner, S. W., and Case, assignors.)
Wallace, Harry W., Highland Park, assignor to Wheel Trueing Tool Company of Delaware, Detroit, Mich. Making a diamond tool. 2,141,202; Dec. 27.
Wallace, Richard E., and A. C. F. West, assignors to The Toronto Star Limited, Toronto, Ontario, Canada. Fire extinguishing equipment. 2,141,232; Dec. 27.
Wallace & Tiernan Products, Inc. (See Peet, Gerald D., assignor.)
Wallin, Rolf V. (See Rowland, K. H., and Wallin.)
Wallschlaeger, Theodore W., assignor to Cinch Manufacturing Corporation, Chicago, Ill. Electrical plug and socket structure. 2,141,889; Dec. 27.
Walsh, Richard, Mobile, Ala. Dumping bucket. 2,141,702; Dec. 27.
Walton, Arthur B., assignor, by mesne assignments, to L. S. Jack, Detroit, Mich. Oil burner. 2,141,283; Dec. 27.
Wamser, Heinrich, Chemnitz-Borna, Germany. Paper-cutting appliance. 2,141,574; Dec. 27.
Wanderer-Werke vorm. Winklhofer & Jaenicke Akt.-Ges. (See Ewald, H. K. F., and Gebhardt, assignors.)
Warfield Company, The. (See Forsberg, A. L., and Chambers, assignors.)
Warner, Maurice L., assignor to The Silex Company, Hartford, Conn. Holder. 2,142,019; Dec. 27.
Warner, Sterling W., and L. B. Case, assignors to John Waldron Corporation, New Brunswick, N. J. Rewinder. 2,141,629; Dec. 27.
Warp, Harold, Chicago, Ill. Composition of matter. 2,141,575; Dec. 27.
Warr, Harold G., Park Ridge, Ill., and R. A. McLaughlin, Canton, Ohio, assignors, by mesne assignments, to Poor & Company. Flattening end portions of a bar. 2,141,576; Dec. 27.
Waterbury Farrel Foundry & Machine Company, The. (See Pierson, William D., assignor.)
Waterbury Tool Company, The. (See Rose, Edwin L., assignor.)

Waterbury Tool Company, The. (See Tweedale, Ralph L., assignor.)
Watkins, James R., Niles Center, Ill. Container. 2,141,497; Dec. 27.
Watling, John, assignor to Watling Scale Company, Chicago, Ill. Racing game. 2,141,777; Dec. 27.
Watling Scale Company. (See Watling, John, assignor.)
Watson, Earl, and H. R. Baker, Buffalo, N. Y. Machine for printing commercial paper instruments. 2,141,577; Dec. 27.
Watson, Harry J. (See Besch, John O., assignor.)
Weathers, Paul, Audubon, N. J., assignor to Radio Corporation of America. High fidelity receiving system. 2,141,426; Dec. 27.
Weidenhoff, Joseph, Inc. (See Harris, Vernon J., assignor.)
Weis, Adolf, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Berlin-Siemensstadt, Germany. Variable inductance device. 2,141,890; Dec. 27.
Weis, Alwin W. D., Quincy, assignor to Central Fibre Products Company, Incorporated, Chicago, Ill. Box. 2,141,324; Dec. 27.
Weis, John P., assignor to Metropolitan Sewing Machine Corporation, Nyack, N. Y. Device for sewing machines. 2,142,079; Dec. 27.
Weisser, Karl, Union City, assignor to David Kahn, Inc., Township of North Bergen, Hudson County, N. J. Pipe and plaque holder therefor. 2,141,989; Dec. 27.
Weizmann, Charles, London, England. Degrading protein products. 2,141,455; Dec. 27.
Wellmar, Sven, assignor to Aktiebolaget Svenska Fläktfabriken, Stockholm, Sweden. Conveyer for drying plants. 2,141,578; Dec. 27.
Wenn, Floyd D., Binghamton, assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Hand operated brake lever. 2,141,778; Dec. 27.
Wenn, Floyd D., Binghamton, assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Safety emergency brake lever. 2,141,779; Dec. 27.
Wenn, Floyd D., Binghamton, assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Hand-operated brake lever. 2,141,780; Dec. 27.
Werder, John F., Lakewood, Ohio. Liquid level indicating device. 2,141,325; Dec. 27.
West, Albert C. F. (See Wallace, R. E., and West.)
West Virginia Pulp & Paper Company. (See Frankel, E. M., and Barry, assignors.)
Western Electric Company. (See Johnson, Fred V., and Robson, assignors.)
Westin, Charles J., assignor to F. J. Stokes Machine Company, Philadelphia, Pa. Machine for coating tubes internally. 2,141,630; Dec. 27.
Westinghouse Electric & Manufacturing Company. (See Iams, Harley A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Whittaker, Charles C., assignor.)
Wheel Trueing Tool Company. (See Wallace, Harry W., assignor.)
Wheeler, Harvey C. (See Moffat, Albert S., assignor.)
Wheeler, Walter H., Jr., Stamford, J. W. Ogden, Springdale, and F. J. Rouan, assignors to Pitney-Bowes Postage Meter Co., Stamford, Conn. Moistening device. 2,141,258; Dec. 27.
Whipple, Willis A., Camp Lake, Wis., assignor to R. Malcom, Chicago, Ill. Respirator. 2,142,064; Dec. 27.
White, Charles H., assignor to Deere & Company, Moline, Ill. Transport truck. 2,141,805; Dec. 27.
White, Frederick P., Syracuse, N. Y. Fishing line drying reel. 2,141,579; Dec. 27.
White, John W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Multiple master cylinder unit. 2,141,498; Dec. 27.
White, Sanford E., Santa Monica, Calif. Amusement and skill game. 2,141,580; Dec. 27.
Whitney, Baxter D., & Son, Inc. (See Whitney, W. M., and Hawes, assignors.)
Whitney, William M., and A. W. Hawes, assignors to Baxter D. Whitney & Son, Inc., Winchendon, Mass. Wood-shaping machine. 2,141,631; Dec. 27.
Whittaker, Charles C., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control apparatus. 2,141,259; Dec. 27.
Wiley, Edwin G. (See Adams, E. W., Ovitz, and Wiley.)
Willard, George T., Chicago, Ill. Tie plate and rail retaining clip. 2,141,891; Dec. 27.
Willes, Frederick H., West Palm Beach, Fla. Meter insulation and protective barrier. 2,142,013; Dec. 27.
Williams, Fred H., Jackson Heights, Long Island, N. Y., assignor to Bandcan Corporation. Container. 2,141,499; Dec. 27.
Willis, French H. (See Southwork, G. C., and Willis.)
Wilson, Cary C., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Shelf support and installation thereof. 2,141,892; Dec. 27.
Wimberger, Leopold, assignor to L. Wimberger Kommanditgesellschaft & Co., Patentverwertungsgesellschaft, Vienna, Austria. Cutting machine such as a safety razor. 2,141,582; Dec. 27.
Wimberger, L. Kommanditgesellschaft & Co., Patentverwertungsgesellschaft. (See Wimberger, Leopold, assignor.)
Winger, Joseph A., Indianapolis, Ind. Liquid dispensing apparatus. 2,141,583; Dec. 27.
Winter, Irving A., Woodmere, N. Y. Skirt and making the same. 2,141,632; Dec. 27.
Witkin, B. E. (See Marvin, Stanley, assignor.)
Wittander, Samuel, Traneberg, Sweden. Sound reproducing and recording apparatus. 2,141,584; Dec. 27.
Woburn Degreasing Company of New Jersey. (See Straus, Henry P., assignor.)
Wolf, Oscar, and R. C. Powell, Forest Hills, assignors to The Texas Company, New York, N. Y. Heater for fluids. 2,141,633; Dec. 27.
Wolfrom, Ulrich, and F. Koehler, Leuna, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Double cylinder water pressure engine and piston pump actuated thereby. 2,141,731; Dec. 27.
Wolvin, Roy M. (See Robinson, Joseph, assignor.)
Woock, Herbert J., Lodi, Calif. Tensile testing apparatus. 2,141,284; Dec. 27.
Wood, Frank J., Riverside, assignor to Goodman Manufacturing Company, Chicago, Ill. Pickling and cleaning device for strip metal. 2,141,732; Dec. 27.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Collapsible delivery for printing presses. 2,141,963; Dec. 27.
Wood Newspaper Machinery Corporation. (See Tornberg, Isidor, assignor.)
Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)
Woodall-Duckham (1920) Limited. (See McEwan, Matthew H., assignor.)
Woodall, Herbert J., assignor to Woodall Industries Incorporated, Detroit, Mich. Trim panel and fastener therefor. 2,141,500; Dec. 27.
Woodall, Herbert J., assignor to Woodall Industries Incorporated, Detroit, Mich. Trim panel and fastener therefor. 2,141,501; Dec. 27.
Woodall Industries Incorporated. (See Woodall, Herbert J., assignor.)
Woodford, Bronson C., assignor to The Murray Company, Dallas, Tex. Vacuum feeder and paddle wheel therefor. 2,141,585; Dec. 27.
Woods, William J., assignor to Corning Glass Works, Corning, N. Y. Drawing glass tubing. 2,141,456; Dec. 27.
Woodward, Marion H., Arlington, Va., assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Telegraph regenerating system. 2,141,326; Dec. 27.
Woolsey Industries, Inc., The. (See Woolsey, J. K., and Carpenter, assignors.)
Woolsey, John K., and F. W. Carpenter, Minneapolis, Minn., assignors, by mesne assignments, to The Woolsey Industries, Inc. Automatic roaster. 2,141,586; Dec. 27.
Wortendyke, Raymond D. (See Ernst, H., and Wortendyke.)
Wright, Charles F., Akron, Ohio, assignor, by mesne assignments, to The Diamond Match Company. Machine for making book matches and the like. 2,141,581; Dec. 27.
Wright, Robert N., Gladewater, Tex. Electric lamp socket. 2,141,587; Dec. 27.
Wursthorn, John W., et al. (See Hosmer, Donald, assignor.)
Yannuzzi, Joseph M., Chicago, Ill. Butter serving implement. 2,141,367; Dec. 27.
Yarnall-Waring Company. (See Mott, Frederick R., assignor.)
Yarwood, Lancelot. (See Minaker, H. L., and Yarwood.)
Yonkers, John L., Evanston, Ill. Recording process and system. 2,141,964; Dec. 27.
Youell, James E. (See Stanley, H. M., Youell, and Minkoff.)
Young Engineering Laboratories, Inc. (See Young, Serenus H. A., assignor.)
Young Iron Works. (See Hansen, A. E., and Spiering, assignors.)
Young, Serenus H. A., St. Paul, assignor to Young Engineering Laboratories, Inc., Minneapolis, Minn. Nonmetallic bottle cap and making and applying the same. 2,141,833; Dec. 27.
Young, Serenus H. A., St. Paul, assignor to Young Engineering Laboratories, Inc., Minneapolis, Minn. Nonmetallic bottle cap. 2,141,834; Dec. 27.
Youngblood, David F., assignor to Southern Steel Company, San Antonio, Tex. Liquefied gas storage and dispensing system. 2,142,065; Dec. 27.
Younghusband, James L., Chicago, Ill. Vanity case. 2,141,327; Dec. 27.
Younghusband, James L., Chicago, Ill. Vanity case. 2,141,328; Dec. 27.
Yundt, Michael, Company. (See Perkins, Frank P., assignor.)
Zahn, Erwin A., Scotia, N. Y., assignor to General Electric Company. Viscosity cup. 2,141,329; Dec. 27.
Zeiss, Carl. (See Sonnefeld, August, assignor.)
Zeiss Ikon Aktiengesellschaft. (See Bertele, Ludwig, assignor.)
Zellstoffabrik Waldhof. (See Haas, Rudolf, assignor.)
Ziegenbein, Wilhelm, assignor to Allegemiene Elektricitats Gesellschaft, Berlin, Germany. Lead-in seal. 2,141,677; Dec. 27.

Zielesch, William A., Sacramento, Calif. Beet topper. 2,141,806; Dec. 27.
Zimmer, Adolph R. (See Bingham, C. G., and Zimmer.)
Zimmerman, Fred R., assignor to Nachman Springfilled Corporation, Chicago, Ill. Spring knotting machine. 2,141,588; Dec. 27.
Zink, John S., Tulsa, Okla. Gas burning means. 2,142,014; Dec. 27.
Zitscher, Arthur, Kronberg in Taunus, and H. Kehlen, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Trifluoromethyl-aryl-sulphonic acids and preparing them. 2,141,893; Dec. 27.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 27TH DAY OF DECEMBER, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Choke, Adjustable gun. E. F. White. Re. 20,958; Dec. 27.
Heater for baths, Immersion. A. Kärcher. Re. 20,954; Dec. 27.
Lubricating composition. C. Tietig. Re. 20,957; Dec. 27.
Mill, Roll and bar grinding. A. Sonsthagen. Re. 20,956; Dec. 27.
Tape serving machine. T. H. Krueger. Re. 20,955; Dec. 27.

LIST OF DESIGN INVENTIONS

Air compressor, Portable. A. C. Radtke and N. B. Spurgeon. 112,721; Dec. 27.
Airplane landing indicator. E. G. Haven. 112,743; Dec. 27.
Alphabet for forming monograms for wearing apparel or similar article. C. Emmey. 112,709; Dec. 27.
Ashtray. R. A. Bruner and C. A. Mitchell. 112,690; Dec. 27.
Atomizer. F. A. Vuillemenot. 112,731; Dec. 27.
Base for picture frames or the like. E. Kratman. 112,744; Dec. 27.
Base, Lamp. K. H. Greider. 112,695; Dec. 27.
Block, Hollow glass building. W. D. Teague. 112,746; Dec. 27.
Blouse. A. Weiner. 112,725; Dec. 27.
Bottle. J. T. Havekost. 112,696; Dec. 27.
Bottle. C. Mark. 112,703; Dec. 27.
Bottle. F. McLaughlin. 112,704; Dec. 27.
Box or similar article, Lunch. E. Worthington. 112,729–30; Dec. 27.
Broiler, Electric table. J. Fletcher. 112,753; Dec. 27.
Cabinet, Miniature hurdy gurdy. H. Goldman. 112,737; Dec. 27.
Cabinet top, Amusement machine. H. E. Williams and L. A. Durant. 112,686; Dec. 27.
Case, Toilet. A. Schmidt. 112,723; Dec. 27.
Casing for speech input apparatus. J. B. Van Dyke. 112,747; Dec. 27.
Chair. P. Bandrimer and J. Perloff. 112,749; Dec. 27.
Charm, Good luck. E. L. Westmoreland. 112,748; Dec. 27.
Chime, Musical. E. G. Evans. 112,694; Dec. 27.
Coat. S. Wieder. 112,726; Dec. 27.
Container and dispenser for nested dishes or the like, Combined. A. S. Bowes. 112,751; Dec. 27.
Cover or similar article, Bottle closure. F. E. Johnson. 112,699; Dec. 27.
Crane cab. E. W. Taylor. 112,757; Dec. 27.
Doll or similar article. G. v. B. Menken. 112,682; Dec. 27.
Dress. E. Breer. 112,758; Dec. 27.
Dress. M. Cohn. 112,708; Dec. 27.
Dress. F. Faden. 112,735–6; Dec. 27.
Dress. T. M. Fritz. 112,710; Dec. 27.
Dress. T. M. Fritz. 112,759; Dec. 27.
Dress. B. C. Kalish. 112,761; Dec. 27.
Dress. M. M. Levine. 112,713; Dec. 27.
Dress. K. Rost. 112,722; Dec. 27.
Dress. F. Sussman. 112,762; Dec. 27.
Dress. H. Zinn. 112,763; Dec. 27.
Dress ensemble. J. Goldberg. 112,760; Dec. 27.
Dress ensemble. M. Masciteilli. 112,714–17; Dec. 27.
Dress or similar article. L. Helms. 112,712; Dec. 27.
Duster, Insecticide powder. M. F. Miller. 112,718; Dec. 27.
Fabric or similar article, Embroidered textile. G. Canelstein. 112,733–4; Dec. 27.
Fabric or similar article, Textile. E. Filippi. 112,754; Dec. 27.
Fabric or similar article, Textile. M. Turpan. 112,764; Dec. 27.
Fabric, Textile. H. Blum. 112,732; Dec. 27.
Fish lure body. K. R. Larson. 112,681; Dec. 27.
Frame for a sanctuary lamp. O. D. Guilfoil. 112,738; Dec. 27.
Game device. G. Batkin. 112,674; Dec. 27.
Globe and stand, Combined. R. C. Grows. 112,679; Dec. 27.
Globe or similar article, Lighting fixture. C. J. Huot. 112,697; Dec. 27.
Guard, Finger. O. M. Douglas and M. Holden. 112,752; Dec. 27.
Handbag. J. A. Ferrara and E. Rosenberg. 112,742; Dec. 27.
Hat. E. Shell. 112,724; Dec. 27.
Holder, Cigarette. K. F. J. Kirsten. 112,702; Dec. 27.
Housecoat. I. Geist. 112,711; Dec. 27.
Identification plate. G. W. Owen. 112,683; Dec. 27.
Jar. L. E. Adams. 112,688; Dec. 27.
Jar. F. Smith. 112,706; Dec. 27.
Joint fitting, Swivel. C. C. Bittner and J. H. Stiska. 112,675; Dec. 27.
Lamp. O. E. Johnson. 112,700; Dec. 27.
Lamp for automotive vehicles, Signal. B. L. Robroff. 112,689; Dec. 27.
Lamp or similar article. F. P. A. Di Figlia. 112,741; Dec. 27.
Lamp, Table. M. Rubel. 112,705; Dec. 27.
Meter, Parking. R. F. Broussard and C. A. Tocc. 112,677; Dec. 27.
Meter, Parking. M. H. Rhodes. 112,684; Dec. 27.
Pencil. B. B. Blake. 112,750; Dec. 27.
Pipe, Tobacco. K. F. J. Kirsten. 112,701; Dec. 27.
Plaque. M. Pollock. 112,745; Dec. 27.
Rug. S. C. Halladay. 112,739; Dec. 27.
Scale, Weighing. W. Watling. 112,685; Dec. 27.
Stair tread. H. M. Pryale. 112,720; Dec. 27.
Stand, Flower. A. M. Corwin. 112,678; Dec. 27.
Stand, Smoker's. M. De Meyere. 112,692; Dec. 27.
Stand, Smoking. M. De Meyere. 112,693; Dec. 27.
Suit. S. Wieder. 112,727; Dec. 27.
Table. P. Bandrimer and J. Perloff. 112,740; Dec. 27.
Table, Game. L. G. Bray. 112,676; Dec. 27.
Telephone transmitter. R. N. Marshall. 112,756; Dec. 27.
Tire. C. W. Yelm. 112,687; Dec. 27.
Tool unit, Power driven hand. G. A. Weingartner. 112,728; Dec. 27.
Tool unit, Sanding. E. Balough and M. J. Yamen. 112,707; Dec. 27.
Tooth brush. V. L. Miller. 112,719; Dec. 27.
Transformer and sign frame, Combined. L. C. Marschall. 112,755; Dec. 27.
Vaporizer. W. L. C. Huxter. 112,698; Dec. 27.
Velocipede. K. W. Hedstrom. 112,680; Dec. 27.
Walker unit, Invalid. A. Comper. 112,691; Dec. 27.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 27TH DAY OF DECEMBER, 1938

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading liner. F. Postma. 2,141,823; Dec. 27.
Abrasive drum for leather surfacing machines and the like. E. H. Van Valkenburgh. 2,141,962; Dec. 27.
Acetylene generator. G. M. Deming. 2,141,380; Dec. 27.
Acid, Production of succinic. E. E. Reid. 2,141,406; Dec. 27.
Acids and preparing them, Trifluoromethyl-aryl-sulphonic. A. Zitscher and H. Kehlen. 2,141,893; Dec. 27.
Acids and their esters, Acryloxy carboxylic. D. E. Strain. 2,141,546; Dec. 27.
Acoustic device. A. E. Swickard. 2,141,420; Dec. 27.
Adhesive applying mechanism. H. F. Affelder. 2,141,634; Dec. 27.
Adhesive, Waterproof starch-base. G. H. Osgood and R. G. Peterson. 2,141,313; Dec. 27.
Air by liquefaction and rectification, Decomposition of. R. Linde and H. Hausen. 2,141,997; Dec. 27.
Air conditioning system. A. Y. Dodge. 2,141,855; Dec. 27.
Air control means, Automatic. B. M. Guthrie. 2,141,711; Dec. 27.
Aircraft, Folding structural arrangement of. R. J. H. Hudson. 2,141,534; Dec. 27.
Aircraft instrument, Gyroscopic. G. H. Reid. 2,141,555; Dec. 27.
Airplane. S. Hilmy. 2,141,984; Dec. 27.
Airscrew, Variable pitch. P. P. Ratié. 2,141,552; Dec. 27.
Air-vapor mixtures, Making. G. D. Peet. 2,141,875; Dec. 27.
Alcohol, Device for detecting ethyl. C. Ferguson. 2,141,646; Dec. 27.
Alcohols and the products produced thereby, Treatment of sulphonated fatty. J. Hirschberger. 2,141,245; Dec. 27.
Alloy. J. Tausz. 2,141,201; Dec. 27.
Alloy and making the same, Boron carbide. R. R. Ridgway. 2,141,617; Dec. 27.
Aluminum salts of lower aliphatic acids, Preparing. J. Lösch. 2,141,477; Dec. 27.
Aluminous materials, Purifying. M. E. Nordberg. 2,141,444; Dec. 27.
Amplifier, Cascaded secondary electron emitter. H. C. Thompson. 2,141,322; Dec. 27.
Amplifier, Television. K. Schlesinger. 2,141,411; Dec. 27.
Amplifiers, Building up of highly sensitive cascade. K. Schlesinger. 2,141,413; Dec. 27.
Amusement device. M. Goldman. 2,141,430-1; Dec. 27.
Anesthetics, Apparatus for administering. G. King. 2,141,794; Dec. 27.
Anesthetics, Device for administering. G. King. 2,141,793; Dec. 27.
Annealing, Apparatus for. W. N. McCutcheon. 2,141,192; Dec. 27.
Antenna coupling system. H. Vogt. 2,141,573; Dec. 27.
Apparatus designed for the successive exhibition of dioramas. P. A. J. and J. L. A. M. Carré. 2,141,514; Dec. 27.
Apparatus for calorimetry of combustible fluids. E. X. Schmidt. 2,141,453; Dec. 27.
Arc-back suppression. M. M. Morack. 2,141,927; Dec. 27.
Arch support, Foot. E. Stern. 2,141,699; Dec. 27.
Arrangement for determining the orientation and value of dip of the beds traversed by a bore hole. M. Schlumberger. 2,141,828; Dec. 27.
Article dispensing apparatus. F. W. Hoban. 2,142,053; Dec. 27.
Articles from synthetic polymers, Making shaped. W. E. Catlin. 2,141,169; Dec. 27.
Articles, Making fringed woven. K. Habib. 2,141,386; Dec. 27.
Ash receiver, Pocket. R. C. Caples. 2,141,783; Dec. 27.
Asphalt emulsion. W. J. Sweeney and K. C. Laughlin. 2,141,230; Dec. 27.
Attachment for apertures of check-controlled apparatus. O. H. Goetz. 2,141,745; Dec. 27.
Auger shaft. H. E. Satre. 2,141,880; Dec. 27.
Automobile frame. E. Almdale. 2,141,635; Dec. 27.
Automobile frame. O. B. Harmon and R. H. Maddock. 2,141,650; Dec. 27.
Automobile reverse control. L. H. Browne. 2,141,289; Dec. 27.
Automatic clutch. P. H. Brehm. 2,141,164; Dec. 27.
Bag: *See*—
Valve bag.
Bag. P. M. Friedlander. 2,141,906; Dec. 27.
Bailer. C. C. Taylor. 2,141,672; Dec. 27.
Bailer, Timed dump. G. H. Ennis. 2,141,179; Dec. 27.
Bakery machinery. B. Rubel and C. Leab. 2,141,226; Dec. 27.
Balancer for machine tools, Automatic dynamic. H. Ernst and A. H. Dall. 2,142,021; Dec. 27.
Band pass filter. W. Bier. 2,142,038; Dec. 27.
Bar cabinet. R. G. Hamaker. 2,141,468; Dec. 27.
Bar, Flattening end portions of a. H. G Warr and R. A. McLaughlin. 2,141,576; Dec. 27.
Barrette. N. L. Solomon. 2,141,368; Dec. 27.
Barrier, Meter insulation and protective. F. H. Willes. 2,142,013; Dec. 27.
Base and insulating unit, Composite plaster. C. R. Pemberton. 2,141,821; Dec. 27.
Bathtubs and like fixtures, Nonskid device for. J. F. Gutmann. 2,141,467; Dec. 27.
Battery charge indicating means, Storage. E. W. Smith. 2,141,625; Dec. 27.
Battery, Electric storage. A. Setzer. 2,141,621; Dec. 27.
Batteries, Charging storage. E. W. Smith. 2,141,624; Dec. 27.
Beam and method of making, Warp. O. V. Payne. 2,141,665; Dec. 27.
Bearing system. W. Bobrzyk. 2,141,505; Dec. 27.
Bed, Adjustable work. C. J. Hertlein. 2,141,751; Dec. 27.
Beer drawing and cooling system. J. Panagopoulos. 2,141,221; Dec. 27.
Beet topper. W. A. Zielesch. 2,141,806; Dec. 27.
Belt hanger. C. R. Carr. 2,141,513; Dec. 27.
Benzanthraquinone series, Compounds of the. W. L. Rintelman. 2,141,877; Dec. 27.
Binder, Loose leaf. J. Schade. 2,141,410; Dec. 27.
Binding device. C. E. Emmer. 2,141,523–4; Dec. 27.
Biscuit and the like, Apparatus for use in manufacturing. T. L. Green. 2,141,859; Dec. 27.
Bit: *See*—
Rotary rock bit.
Blade holder. H. A. Stilson. 2,141,565; Dec. 27.
Bleaching and cleansing compositions. O. Lind. 2,141,189; Dec. 27.
Blind, Venetian. D. J. Ajouelo. 2,141,502; Dec. 27.
Blueing and souring composition, Laundry. H. B. Bishop. 2,141,589; Dec. 27.
Board: *See*—
Spotting board.
Boat. C. W. Pyle. 2,141,799; Dec. 27.
Boiler. F. R. Daly. 2,141,238; Dec. 27.
Boiler. H. E. Kieffel. 2,141,917; Dec. 27.
Bottle cap, Nonmetallic. S. H. A. Young. 2,141,834; Dec. 27.
Bottle closure. F. J. Davis. 2,141,174; Dec. 27.
Box: *See*—
Hat box. Paper box.
Journal box. Stuffing box.
Box. A. W. D. Weis. 2,141,324; Dec. 27.
Boxing machine and method, Packet. R. S. Pullen. 2,141,448; Dec. 27.
Bracelet attachment. A. B. Goulden. 2,142,023; Dec. 27.
Bracket: *See*—
Hair clamp and supporting bracket.
Brake: *See*—
Fluid pressure brake. Hydraulic brake.
Brake. C. C. Pieper. 2,141,723; Dec. 27.
Brake beam support. H. C. Taylor. 2,141,521; Dec. 27.
Brake for Axminster loom tube frames. E. J. Dacey. 2,141,643; Dec. 27.
Brake lever, Hand-operated. F. D. Wenn. 2,141,780; Dec. 27.
Brake lever, Safety emergency. F. D. Wenn. 2,141,779; Dec. 27.
Brake mechanism. W. A. Eaton. 2,141,688; Dec. 27.
Brake system, Air. Q. E. Conner. 2,141,205; Dec. 27.
Braking mechanism for railway cars. C. De Los Rice. 2,141,450; Dec. 27.
Brassière and breast pad. W. Rosenthal. 2,141,408; Dec. 27.
Braun tube. K. Schlesinger. 2,141,414; Dec. 27.
Bridge, Portable. E. Gravelle. 2,141,529; Dec. 27.
Brush holder. H. H. Graham. 2,141,531; Dec. 27.
Bucket, Dumping. R. Walsh. 2,141,702; Dec. 27.
Building construction. G. F. Kotrbaty. 2,141,919; Dec. 27.
Building construction F. M. Venzie. 2,141,888; Dec. 27.
Building, Prefabricated. J. H. Miner. 2,142,060; Dec. 27.
Building system. E. R. Locke. 2,141,397; Dec. 27.
Bumper. G. A. Lyon. 2,141,718; Dec. 27.
Bumpers, Making. G. A. Lyon. 2,141,719; Dec. 27.
Burner: *See*—
Liquid fuel burner. Oil burner.
Butter serving implement. J. M. Yannuzzi. 2,141,367 Dec. 27.

Button attachment, Horn. G. L. Callery. 2,141,374; Dec. 27.
Cabinet: *See*—
Bar cabinet. Refrigerator cabinet.
Cable: *See*—
Electric cable.
Cable for transmitting electric power. E. F. W. Alexanderson. 2,141,894; Dec. 27.
Camera and the like, Motion picture. B. Stechbart and G. A. Brueske. 2,141,960; Dec. 20.
Camera, Loose sheet. R. H. Draeger. 2,141,176; Dec. 27.
Camera, Photoengraving. J. Honrine. 2,141,392; Dec. 27.
Can cover. A. L. Forsberg and W. J. Chambers. 2,141,352; Dec. 27.
Can head seaming machine. F. E. Fowler. 2,141,976; Dec. 27.
Cans, Apparatus for drying. H. L. Minaker and L. Yarwood. 2,142,001; Dec. 27.
Cap: *See*—
Bottle cap. Plug cap.
Cap and making and applying the same, Nonmetallic bottle. S. H. A. Young. 2,141,833; Dec. 27.
Cap retainer. J. Farrelly. 2,141,709; Dec. 27.
Caps, Making receptacle sealing. E. H. Fabrice. 2,141,856; Dec. 27.
Car: *See*—
Rail car.
Carbon bisulphide, Manufacture of. B. M. Carter. 2,141,740; Dec. 27.
Carbon bisulphide, Manufacture of. H. F. Merriam. 2,141,757–8; Dec. 27.
Carbon bisulphide, Manufacture of. C. F. Silsby. 2,141,766; Dec. 27.
Carbon bisulphide, Manufacture of. C. F. Silsby. 2,141,768; Dec. 27.
Carbon disulphide from industrial effluent waters, Recovery of. A. Engelhardt. 2,141,349; Dec. 27.
Carbonates, Preparing colloidal. W. C. Bates and R. R. McClure. 2,141,458; Dec. 27.
Carburetor: *See*—
Liquid fuel carburetor.
Carburetor. D. Cole. 2,141,594; Dec. 27.
Cards, Method and apparatus for conditioning and filling tabulator. D. Hosmer. 2,141,914; Dec. 27.
Carriage, Baby. L. Larsen. 2,141,538–9; Dec. 27.
Carrier and modulation indicator. J. L. Reinartz. 2,141,668; Dec. 27.
Cart, Basket carrying. W. H. Schray. 2,141,881; Dec. 27.
Carton packer and sealer. J. L. Ferguson. 2,141,525; Dec. 27.
Case: *See*—
Vanity case.
Cash register. C. H. Arnold. 2,141,332–3; Dec. 27.
Casket. J. O. Besch. 2,141,734; Dec. 27.
Cathode. L. F. Perrott. 2,141,933; Dec. 27.
Ceiling for car roofs, Floating. W. D. Thompson and W. E. Bikle. 2,141,494; Dec. 27.
Celery with white stalks, Apparatus for cultivating. C. M. Piglia. 2,141,486; Dec. 27.
Cellulosic structure and preparing same. L. P. G. Vautier and R. E. Fays. 2,141,776; Dec. 27.
Cellulosic structure, Artificial. H. H. Levin. 2,141,396; Dec. 27.
Cement clinker, Grinding of. H. L. Kennedy and J. G. Mark. 2,141,571; Dec. 27.
Cementing plug. A. L. Armentrout and R. W. Gudie. 2,141,370; Dec. 27.
Centralizer for drill steels. J. I. Hulshizer. 2,141,716; Dec. 27.
Chain: *See*—
Conveyer chain.
Chain construction, Sprocket. W. J. Sparling. 2,141,771; Dec. 27.
Chair. N. E. Cole. 2,141,262; Dec. 27.
Chair back construction, Flexible. L. F. Hosek. 2,141,532; Dec. 27.
Charge storage dissector tube. P. T. Farnsworth. 2,141,836; Dec. 27.
Charging apparatus for carbonizing plants. M. H. McEwan. 2,141,545; Dec. 27.
Checking device for multiplying machines. J. W. Bryce. 2,141,599; Dec. 27.
Cheese, Making. W. D. Saunders. 2,141,698; Dec. 27.
Chilling device for dairy products and the like. C. Doering. 2,141,462; Dec. 27.
Chromizing. H. S. Cooper. 2,141,640; Dec. 27.
Chuck and driver, Friction. J. Helgerud. 2,141,786; Dec. 27.
Chuck, Tap. V. Grey. 2,141,465; Dec. 27.
Circuit: *See*—
Control circuit. Photoelectric cell oscillation circuit.
Detector circuit. Valve translating circuit.
Electric circuit.
Circuit controlling device. A. Stadler. 2,141,772; Dec. 27.
Circuits, Electric phase shifting. E. Schröter. 2,141,937; Dec. 27.
Circular loom. J. Balsach. 2,141,679; Dec. 27.
Clamp device. I. J. McNamara. 2,141,818; Dec. 27.
Clamp for laundry presses, Neck-band. S. Marvin. 2,141,480; Dec. 27.
Clasp. G. S. Hawle. 2,141,983; Dec. 27.
Clasp construction. E. Prestinari. 2,141,251; Dec. 27.
Cleaner: *See*—
Paraffin cleaner. Windshield cleaner.
Pool cleaner.
Cleat or grouser, Folding. W. S. Taylor. 2,141,421; Dec. 27.
Clip: *See*—
Tie plate and rail retaining clip.
Clock, Electric. E. T. Turney. 2,141,495; Dec. 27.
Closure and applying same, Article. D. F. Evans. 2,141,744; Dec. 27.
Closures in collapsible tubes by welding, Effecting. P. R. Fechheimer and M. Hallead. 2,141,241; Dec. 27.
Clutch: *See*—
Automatic clutch.
Coaster. S. L. Brody. 2,141,509; Dec. 27.
Coating material applying device. H. Paxton. 2,141,550; Dec. 27.
Coffee mill. D. A. Meeker. 2,141,310; Dec. 27.
Coil selector. J. Melicharek. 2,141,613; Dec. 27.
Coin sorter. B. E. Colburn and F. M. Blahnik. 2,141,950; Dec. 27.
Column. C. B. Schneible. 2,141,829; Dec. 27.
Commutator. H. T. Lang and R. E. Dunbar. 2,141,307; Dec. 27.
Commutator and making same. R. E. Dunbar. 2,141,268; Dec. 27.
Composition and sheet materials coated with same, Thermoplastic pressure sensitive. A. Abrams and G. W. Forcey. 2,142,039; Dec. 27.
Composition of matter. A. L. Ball. 2,141,637; Dec. 27.
Composition of matter. H. Warp. 2,141,575; Dec. 27.
Compressed air operated pump. R. W. Bryant. 2,141,427; Dec. 27.
Compressor attachment and brake for forging machines, Air. W. W. Criley. 2,141,951; Dec. 27.
Concrete and hydraulic cement. J. G. Mark. 2,141,570; Dec. 27.
Concrete and hydraulic cement. G. R. Tucker. 2,141,569; Dec. 27.
Concrete working machine. C. Jackson. 2,141,301; Dec. 27.
Connecter: *See*—
Pipe connecter.
Container: *See*—
Dispensing container. Tooth powder dispensing container.
Display container. Transparent container.
Sealed container.
Set-up container.
Container. J. M. Hothersall. 2,141,184; Dec. 27.
Container. J. R. Watkins. 2,141,497; Dec. 27.
Container. F. H. Williams. 2,141,499; Dec. 27.
Container closure. W. L. Morgan. 2,141,722; Dec. 27.
Container for toilet materials. I. Radetzky. 2,141,616; Dec. 27.
Container for valuables, Safety. W. H. Davidson. 2,141,293; Dec. 27.
Container manufacture, Rubber. L. L. Salfisberg. 2,141,318; Dec. 27.
Container treating machine. G. M. Harry. 2,141,470; Dec. 27.
Containers, Construction of storage battery. C. L. Keller. 2,141,791; Dec. 27.
Control and operating mechanism for slide film projectors. E. J. Abbott. 2,141,203; Dec. 27.
Control apparatus. C. C. Whittaker. 2,141,259; Dec. 27.
Control circuit, Transmission. C. Ravut and L. Godeau. 2,141,553; Dec. 27.
Control device for radio receiving sets. G. Solomon. 2,141,770; Dec. 27.
Control device for variable condensers. A. Thomas. 2,141,422; Dec. 27.
Control means for hydraulic transmission. B. Bischof. 2,141,167; Dec. 27.
Control mechanism for calculating machines. H. K. F. Ewald and J. Gebhardt. 2,141,269; Dec. 27.
Control switch, Thermoresponsive. E. D. Raney. 2,141,825; Dec. 27.
Control system. A. C. Grant. 2,141,244; Dec. 27.
Control system. R. M. Hardgrove. 2,141,604; Dec. 27.
Control system. D. R. Shoults. 2,141,939; Dec. 27.
Control system for circulating fluids. L. L. Cunningham. 2,141,206; Dec. 27.
Control system for hydraulic motors, Fluid. H. Feilkas. 2,141,429; Dec. 27.
Conveyer. F. P. Perkins. 2,141,876; Dec. 27.
Conveyer. P. R. Simmons. 2,141,883; Dec. 27.
Conveyer chain. K. Mörgelin. 2,142,003; Dec. 27.
Conveyer for drying plants. S. Wellmar. 2,141,578; Dec. 27.
Conveyer, Logging. W. E. McCraw. 2,141,482; Dec. 27.
Conveying apparatus. H. S. Lenhart. 2,141,920; Dec. 27.
Conveying apparatus for hot materials. J. H. Olson. 2,141,694; Dec. 27.
Copper from waste liquors of the artificial silk industry, Recovery of. A. Richter, W. Busch, and M. O. Schürmann. 2,141,763; Dec. 27.
Core structure, Adjustable magnetic. W. H. Reichard. 2,141,554; Dec. 27.
Core taking tool. J. H. Howard and A. C. Catland. 2,141,840; Dec. 27.
Cotton, Machine and process for finishing mercerized. W. P. Boyd. 2,142,043; Dec. 27.

Counter slashing machine. C. W. Bailey. 2,142,041; Dec. 27.
Coupling: *See*—
Hydraulic coupling.
Coupling device, High-frequency. W. A. Schaper. 2,141,254; Dec. 27.
Coupling-on or bridging implement. R. Baranowsky. 2,141,286; Dec. 27.
Cover: *See*—
Can cover. Plant cover.
Cover construction, Slip. J. F. Price. 2,141,447; Dec. 27.
Cover for cans. A. L. Forsberg and W. J. Chambers. 2,141,351; Dec. 27.
Cover for manifold books. O. M. Delesdernier. 2,141,295; Dec. 27.
Cover setter, Plant. C. M. Piglia. 2,141,485; Dec. 27.
Crank for pumping units, Counterbalance. W. C. Trout. 2,141,424; Dec. 27.
Crankshaft grinding machine. J. I. Garside and C. G. Flygare. 2,142,050; Dec. 27.
Crankshafts, Machining. W. F. Groene and W. R. Meyer. 2,141,466; Dec. 27.
Creping apparatus, Multistage. W. H. Cannard. 2,141,809; Dec. 27.
Crop lifter. H. D. Hume and J. E. Love. 2,141,299–300; Dec. 27.
Cup, Viscosity. E. A. Zahn. 2,141,329; Dec. 27.
Current generating and distribution system, High frequency. P. N. Roseby. 2,141,489; Dec. 27.
Current into alternating current, Device for converting direct. J. W. Alexander. 2,141,369; Dec. 27.
Current relay, Reverse. B. D. Bedford. 2,142,015; Dec. 27.
Curtain rigging, Stage. C. E. Tompkins. 2,142,063; Dec. 27.
Cushioning device for railroad cars. O. C. Duryea. 2,141,521–2; Dec. 27.
Cushioning mechanism. D. S. Barrows. 2,141,680; Dec. 27.
Cutter head for corn cutting machines. R. Cover. 2,141,346; Dec. 27.
Cutting implement. N. V. Casson. 2,141,854; Dec. 27.
Cutting machine for seed potatoes. D. French. 2,141,527; Dec. 27.
Cutting machine such as a safety razor. L. Wimberger. 2,141,582; Dec. 27.
Cutting tool. C. R. Southwick. 2,141,492; Dec. 27.
Cycle control attachment, Infeed. H. Ernst and R. D. Wortendyke. 2,142,022; Dec. 27.
Cyclic compounds, Alkylating. B. Malishev. 2,141,611; Dec. 27.
Cylinder head for two-cycle double-core-cylinder internal combustion engines. A. Portmann. 2,142,004; Dec. 27.
Cylinder unit, Multiple master. J. W. White. 2,141,498; Dec. 27.
Decimal point control for accounting machines. J. M. Cunningham. 2,141,597; Dec. 27.
Delivery for printing presses, Collapsible. H. A. W. Wood. 2,141,963; Dec. 27.
Decimal point selecting device for accounting machines, Automatic. J. W. Bryce. 2,141,598; Dec. 27.
Demand feed system. K. Beyrodt. 2,141,705; Dec. 27.
Dental appliance. J. A. Linde. 2,141,190; Dec. 27.
Denture, Artificial. M. A. Pleasure. 2,141,487; Dec. 27.
Desk. J. R. Jones. 2,141,954; Dec. 27.
Detector circuit. L. E. Barton. 2,141,338; Dec. 27.
Detector for television. K. Schlesinger. 2,141,412; Dec. 27.
Device for automatically controlling the inflation of tires. P. M. Bourdon. 2,141,507; Dec. 27.
Device for increasing and decreasing road clearance of vehicles and an adjustable anchor. L. V. Allen. 2,141,781; Dec. 27.
Dewaxing process. S. Pilat and M. Godlewicz. 2,141,361; Dec. 27.
Dextrose free from water of crystallization, Soft grained. W. B. Newkirk. 2,141,547; Dec. 27.
Die: *See*—
Offset die.
Diesel engine. H. E. Carroll. 2,141,428; Dec. 27.
Digesters and apparatus therefor, Operating. E. M. Frankel and E. H. Barry. 2,141,384; Dec. 27.
Direction indicator for vehicles. H. Kershaw. 2,141,992; Dec. 27.
Dispenser: *See*—
Powder dispenser.
Dispenser. S. Bloomfield. 2,141,160; Dec. 27.
Dispenser. H. Carew. 2,141,682; Dec. 27.
Dispensing container. E. T. Bessler. 2,141,704; Dec. 27.
Dispensing device. J. A. Diemer. 2,141,684; Dec. 27.
Dispensing device. V. C. Kirby. 2,141,691; Dec. 27.
Dispensing unit. T. Bailey. 2,141,337; Dec. 27.
Display container. A. S. Ethridge. 2,141,743; Dec. 27.
Display device. R. J. Mancuso. 2,141,216; Dec. 27.
Display retainer, Sample cloth. L. Cahn. 2,141,461; Dec. 27.
Distillate treating process. H. G. Peterson. 2,141,798; Dec. 27.
Door: *See*—
Refrigerator car door.
Door construction, Overhead. J. E. Casse. 2,141,515; Dec. 27.
Door construction, Vehicle. R. Heinz. 2,141,298; Dec. 27.
Door lock. P. F. Rossmann. 2,141,225; Dec. 27.
Door locking device, Automobile. J. Cannata. 2,141,902; Dec. 27.
Dowel pin former. W. Peaslee. 2,142,035; Dec. 27.
Drafting mechanism. E. L. Martin and J. F. Jackson. 2,141,219; Dec. 27.
Drawing apparatus. W. J. Evans. 2,141,350; Dec. 27.
Drill and the like, Portable electric. C. Desoutter. 2,141,971; Dec. 27.
Drill construction, Core. J. C. Smetherman. 2,141,800; Dec. 27.
Drink, Imitation. W. A. Mould. 2,141,760; Dec. 27.
Drum for needle looms, Rope. W. W. Robertson. 2,141,670; Dec. 27.
Drying. G. E. Bowdoin and W. Strobridge. 2,142,042; Dec. 27.
Drying method and apparatus. B. Offen. 2,141,403; Dec. 27.
Duplicating apparatus. W. Ritzerfeld. 2,141,407; Dec. 27.
Dyes, Preparation of cyanine and related. F. M. Hamer and N. I. Fisher. 2,141,434; Dec. 27.
Dyestuffs and making same, Sulphurous. E. Dür. 2,141,177; Dec. 27.
Dyestuffs of the anthraquinone series, Vat. D. P. Graham. 2,141,858; Dec. 27.
Dyestuffs of the triazoloanthraquinone series, Vat. F. Ebel. 2,141,707; Dec. 27.
Dyestuffs, Water-insoluble azo. P. Petitcolas. 2,141,667; Dec. 27.
Dynamo-electric machine. J. W. Allen. 2,142,067; Dec. 27.
Edging, Shelf. E. Karfiol. 2,141,606; Dec. 27.
Educational apparatus. R. G. Foster. 2,141,520; Dec. 27.
Educational appliance. P. S. Gross. 2,141,747; Dec. 27.
Electric cable. G. Carlson and H. G. Knoderer. 2,141,290; Dec. 27.
Electric cable. W. C. Hayman. 2,141,910; Dec. 27.
Electric circuit. C. G. Sults. 2,141,943; Dec. 27.
Electric discharge device. C. Miyauchi. 2,141,312; Dec. 27.
Electric discharge lamp. J. L. Cox. 2,142,047; Dec. 27.
Electric discharge tube. J. L. H. Jonker. 2,141,303; Dec. 27.
Electric incandescent lamp. H. Asmussen and H. N. von Funcke. 2,142,072; Dec. 27.
Electric switch. A. Cianchi. 2,142,046; Dec. 27.
Electric switch. C. H. Hill. 2,141,272; Dec. 27.
Electric switch. E. K. Sadler. 2,141,279; Dec. 27.
Electric switch. C. A. Schaefer. 2,141,227; Dec. 27.
Electric switch gear. A. Bellm. 2,141,898; Dec. 27.
Electrical apparatus. R. P. Lansing. 2,141,357; Dec. 27.
Electrical discharge device. H. D. Middel. 2,141,924; Dec. 27.
Electrical system. R. L. Campbell. 2,141,343; Dec. 27.
Electrical testing system. F. E. Blount and P. Husta. 2,141,373; Dec. 27.
Electromagnetic balance, Distant reading. S. E. Dawson. 2,141,175; Dec. 27.
Electron discharge device. J. E. Clark and V. L. Ronci. 2,141,378; Dec. 27.
Electron discharge device. D. A. S. Hale. 2,141,387; Dec. 27.
Electron discharge device. B. J. Thompson. 2,141,673; Dec. 27.
Embossing machine. W. R. Siebert. 2,142,009; Dec. 27.
Embroidering machine. O. De Cardy. 2,141,294; Dec. 27.
Engine: *See*—
Diesel engine.
Engine and piston pump actuated thereby, Double cylinder water pressure. U. Wolfrom and F. Koehler. 2,141,731; Dec. 27.
Engine starting apparatus. J. W. Allen. 2,141,331; Dec. 27.
Engine starting mechanism. H. Baer. 2,141,334; Dec. 27.
Engine to the use of oil as fuel, Means for adapting a gasoline. C. Hansen and P. Besner. 2,141,435; Dec. 27.
Engraving plate, Zinc alloy. W. H. Finkeldey. 2,141,813; Dec. 27.
Envelopes, Manufacture of evacuated metal. C. Eddison. 2,141,644; Dec. 27.
Esters, Derivatives of phenyl-phenyl. W. G. Christiansen and S. E. Harris. 2,141,172; Dec. 27.
Esters of salicylic acid, Manufacture of. W. E. Huggett. 2,141,985; Dec. 27.
Ethers of high molecular carbohydrates, Aralkyl. K. Meinel. 2,141,721; Dec. 27.
Exhibitor, Changeable. C. A. Loewenstein. 2,141,398; Dec. 27.
Explosive charges, Device for distant firing of. M. Schlumberger. 2,141,827; Dec. 27.
Extensible handle. C. H. Nehls. 2,141,659; Dec. 27.
Extracts from carbonaceous material, Production of. A. Pott. 2,141,615; Dec. 27.
Extractor: *See*—
Fruit juice extractor.
Fabric: *See*—
Lace fabric.
Fabric and making the same, Knitted. R. H. Lawson and A. N. Cloutier. 2,141,440; Dec. 27.

Fabric and making same, Knitted. J. McNamee. 2,141,999; Dec. 27.
Fabric and making the same, Ornamental. S. Rudnick. 2,141,560; Dec. 27.
Fabric guide for take-up. E. R. Holmes. 2,141,652; Dec. 27.
Facsimile recorder, High speed. W. G. H. Finch. 2,141,974; Dec. 27.
Facsimile recorder, Multiple stylus. W. G. H. Finch. 2,141,975; Dec. 27.
Fastener: *See*—
Slidable fastener.
Fastener. E. Kern. 2,141,792; Dec. 27.
Fastener. W. F. Ploch. 2,141,222; Dec. 27.
Fastener member and installation of the same. W. G. Roby. 2,141,878; Dec. 27.
Feeder and paddle wheel therefor, Vacuum. B. C. Woodford. 2,141,585; Dec. 27.
Fiber receiving device. O. A. Benoit. 2,141,782; Dec. 27.
Fibrous material, Treating. W. Schrauth. 2,141,845; Dec. 27.
Filling and weighing machine. A. Du Bois. 2,141,738; Dec. 27.
Film extinguishing equipment. R. E. Wallace and A. C. F. West. 2,141,232; Dec. 27.
Film, Treating photographic. A. M. Gundelfinger. 2,141,354; Dec. 27.
Filter: *See*—
Band pass filter.
Filter unit. A. H. Brundage. 2,141,903; Dec. 27.
Finishing. J. Visser. 2,141,496; Dec. 27.
Fishing line drying reel. F. P. White. 2,141,579; Dec. 27.
Fishing reel. A. J. Marshaus. 2,141,817; Dec. 27.
Fishing reel. J. V. Schafer. 2,141,726; Dec. 27.
Fitting. A. Minella. 2,141,797; Dec. 27.
Fixture, Grinding. P. E. Lehman. 2,141,187; Dec. 27.
Fixture, Window. C. W. Banker. 2,141,968; Dec. 27.
Flanges for slip covers and the like, Forming severable. L. E. La Bombard. 2,141,161; Dec. 27.
Flexible bodies, Method of and apparatus for handling and treating. R. Pash. 2,141,931; Dec. 27.
Flooring, Laying wood. A. Elmendorf. 2,141,708; Dec. 27.
Flotation machine. R. G. Hall. 2,141,862; Dec. 27.
Fluid pressure brake. W. A. Meeks. 2,141,358; Dec. 27.
Fluorine compounds from water vapor containing volatile fluorine compounds, Recovery of. W. Strathmeyer. 2,141,773; Dec. 27.
Flux, Arc welding. M. R. Moritz. 2,141,929; Dec. 27.
Flux, Arc welding. A. M. Roberts. 2,141,316; Dec. 27.
Flux, Arc welding. T. C. R. Shepherd. 2,141,938; Dec. 27.
Flux, Welding. M. R. Moritz and I. C. Fitch. 2,141,928; Dec. 27.
Fly trap, Cattle. H. E. Sudlow. 2,141,454; Dec. 27.
Food handling apparatus. D. A. Meeker. 2,141,311; Dec. 27.
Food products, Precooking leguminous. W. J. Robinson. 2,141,364; Dec. 27.
Frame: *See*—
Automobile frame.
Frame and sash, Window. J. B. Olson and J. P. Bethke. 2,141,874; Dec. 27.
Frame for Axminster looms, Tube. E. R. Holmes. 2,141,653; Dec. 27.
Frequency converter. E. W. Herold. 2,141,750; Dec. 27.
Frequency regulation of oscillators in ultra short wave receivers. J. G. Chaffee. 2,141,376; Dec. 27.
Fruit juice extractor, Citrous. J. Mocharnuk. 2,142,002; Dec. 27.
Fruit pitting and cutting machine. F. Cheklan. 2,141,204; Dec. 27.
Fuel regulator. G. H. Harris. 2,141,436; Dec. 27.
Furnace installation. H. E. Grill and H. H. Feldstein. 2,141,649; Dec. 27.
Furnaces, Apparatus for charging. A. P. J. François-Bongarçon. 2,141,506; Dec. 27.
Furniture, Foldable metal. U. K. Johannsen. 2,141,475; Dec. 27.
Fuse plug, Multiple. W. Skojec. 2,141,563; Dec. 27.
Game. L. Berger. 2,142,068; Dec. 27.
Game. J. Ruberti. 2,141,958; Dec. 27.
Game, Amusement and skill. S. E. White. 2,141,580; Dec. 27.
Game apparatus. W. F. Bruso. 2,141,948; Dec. 27.
Game, Racing. J. Watling. 2,141,777; Dec. 27.
Garment ensemble, Maternity. E. Frankfurt and E. Ravkind. 2,141,814; Dec. 27.
Garment hanger. N. A. Leash. 2,141,540; Dec. 27.
Gas burning means. J. S. Zink. 2,142,014; Dec. 27.
Gas recovery process, Reclaimed. W. H. Swanson and D. C. Porter. 2,141,886; Dec. 27.
Gas samples, Method and apparatus for collecting soil. J. B. Clark. 2,141,261; Dec. 27.
Gas storage and dispensing system, Liquefied. D. F. Youngblood. 2,142,065; Dec. 27.
Gaseous content of materials, Apparatus for determining the. C. E. Gray. 2,141,977; Dec. 27.
Gate structure, Crossing. H. F. Hawes. 2,141,953; Dec. 27.
Gauge. F. H. Hopkins. 2,141,211; Dec. 27.
Gauge or indicator. C. C. Street. 2,141,627; Dec. 27.
Gear: *See*—
Electric switch gear. Running gear.
Geological instrument. F. J. Cordova. 2,141,173; Dec. 27.
Generator: *See*—
Acetylene generator.
Glass, Method and apparatus for feeding molten. F. L. O. Wadsworth. 2,141,425; Dec. 27.
Glass tubing, Drawing. W. J. Woods. 2,141,456; Dec. 27.
Glycol derivatives, Production of. H. M. Stanley, J. E Youell, and G. Minkoff. 2,141,443; Dec. 27.
Golf practice device. A. Perrault. 2,141,250; Dec. 27.
Governing mechanism for elastic fluid turbines. R. J. Caughey. 2,141,260; Dec. 27.
Governor for tube cleaner motors. P. E. Good 2,141,182; Dec. 27.
Gravity mensuring instrument. S. B. von Thyssen-Bornemisza. 2,141,628; Dec. 27.
Grinder. S. F. Ossing and O. J. Feight. 2,141,662; Dec. 27.
Grinder. S. F. Ossing. 2,141,664; Dec. 27.
Grinding machine. C. E. Brown. 2,141,853; Dec. 27.
Grinding machine. H. W. Dunbar and H. S. Indge 2,142,020; Dec. 27.
Grinding machine. C. Herfurth. 2,142,028; Dec. 27.
Grinding wheels, Increasing the efficiency of resin bonded. J. R. Erickson. 2,142,049; Dec. 27.
Grip, Golf club. A. Cunningham and R. E. Dyer. 2,141,519; Dec. 27.
Ground crust breaker, weeder, and mulcher, Combination G. H. Self. 2,141,830; Dec. 27.
Guard or shield for vehicles. G. F. Colley. 2,142,069; Dec. 27.
Guard, Switch handle. R. H. Schmitt. 2,141,936; Dec 27.
Gun, Machine. R. Laloux. 2,141,537; Dec. 27.
Gyrocompass, Ball. L. F. Carter. 2,142,018; Dec. 27.
Hair clamp and supporting bracket. G. Freudenberg, O. Selter, and A. A. Boll. 2,141,385; Dec. 27.
Hair clipping and shaving head. M. Andis. 2,141,895; Dec. 27.
Hair cutting appliance, Safety. H. G. Baumgarten 2,141,340; Dec. 27.
Handle: *See*—
Extensible handle.
Handle rose plate construction, Door. G. E. Dey 2,141,265; Dec. 27.
Hanger: *See*—
Belt hanger. Garment hanger.
Hat box, Transparent. L. D. Hokerk. 2,141,839; Dec. 27.
Hatch closure. E. H. Mattingley. 2,141,481; Dec. 27.
Hatch frame construction for car roofs. D. W. Hawksworth. 2,141,471; Dec. 27.
Heater: *See*—
Hot water heater.
Heater for fluids. O. Wolf and R. C. Powell. 2,141,633; Dec. 27.
Heating apparatus. A. B. Modine. 2,141,873; Dec. 27.
Heating device for curls. A. S. Moffat. 2,141,759; Dec 27.
Heating system for automobiles, Automatic steam. J. B. Moncrief. 2,141,926; Dec. 27.
High tension switch. A. C. Schwager. 2,141,846; Dec. 27.
Hinge. J. O. Drennan. 2,141,685; Dec. 27.
Hitch, Three-drill tractor. J. S. Branch. 2,142,016 Dec. 27.
Holder: *See*—
Blade holder. Indexing work holder.
Brush holder. Paper roll holder.
Holder. M. L. Warner. 2,142,019; Dec. 27.
Holder and blank, Plaque. D. Kahn. 2,141,991; Dec. 27
Holder and making the same, Plaque. D. Kahn. 2,141,988; Dec. 27.
Holder device, License plate. A. C. de Hoffmann. 2,141,866; Dec. 27.
Holder for writing instruments and the like, Plaque. D. Kahn. 2,141,990; Dec. 27.
Holder mechanism for machine tools and the like, Work. R. H. Patrick. 2,142,034; Dec. 27.
Hose for washing machines. T. A. Johnson. 2,141,916; Dec. 27.
Hose protector, Shoeshine. F. D. Brown. 2,141,510; Dec. 27.
Hot water heater, Coal burning automatically fired. W. A. Riddell. 2,141,764; Dec. 27.
Humidifier. G. W. Shearer. 2,141,417; Dec. 27.
Hydrant. H. M. Lofton and E. E. Cline. 2,141,692; Dec. 27.
Hydraulic brake. C. P. Ball, Jr. 2,141,966–7; Dec. 27.
Hydraulic coupling. L. Kösters. 2,141,305; Dec. 27.
Hydraulic damping device. R. L. Levy. 2,141,541; Dec. 27.
Hydroxyphenylamino-anthracene and making same. E. Diir. 2,141,687; Dec. 27.
Hydroxyalkylamino compounds. F. Meyer and E. Achreiber, née Stege. 2,141,843; Dec. 27.
Igniter assembly. H. V. Honn. 2,141,787; Dec. 27.
Image producing device, Electro-optical. F. Gray. 2,141,746; Dec. 27.
Indexing work holder. F. W. Curtis. 2,141,263; Dec. 27.

Indicating means. V. J. Harris. 2,142,027; Dec. 27.
Indicator: *See*—
Carrier and modulation indicator.
Indicator and/or control device, Gear ratio. G. Constantinesco. 2,141,517; Dec. 27.
Indicator of detonations for internal combustion engines. M. Y. A. Serruys. 2,141,416; Dec. 27.
Inductance device, Variable. A. Weis. 2,141,890; Dec. 27.
Inking mechanism for printing machines. F. Lamatsch. 2,141,607; Dec. 27.
Insoles, Lasting skeleton. F. Maccarone. 2,141,998; Dec. 27.
Insulating substances by spark discharges, Perforation of. F. König. 2,141,869; Dec. 27.
Interference eliminator. F. E. Nickel. 2,141,277; Dec. 27.
Iron, Manufacture of wrought. E. B. Story and E. P. Best. 2,141,671; Dec. 27.
Jewelry setting. L. Rigollet. 2,141,363; Dec. 27.
Joint: *See*—
Universal joint.
Joint and dowel structure for roadways. L. B. Johnson. 2,141,986; Dec. 27.
Joint and producing same, Wire fabric. W. E. Buchanan. 2,141,706; Dec. 27.
Joint in gas distribution systems, Leakproofing packed. J. R. Skeen. 2,141,959; Dec. 27.
Joint stud and making same. G. H. Hufford and M. P. Graham. 2,141,753; Dec. 27.
Joint with peripheral seal, Expansion. R. R. Robertson. 2,141,559; Dec. 27.
Joints and the like, Assembly for universal. T. L. Fawick. 2,141,645; Dec. 27.
Journal box. H. E. Behrmann. 2,141,897; Dec. 27.
Knock-down structure. D. Roberts. 2,142,005; Dec. 27.
Lace fabric. O. Sauer. 2,141,409; Dec. 27.
Lacquer enamel. R. K. Hazen. 2,141,911; Dec. 27.
Lamp: *See*—
Electric discharge lamp. Signal lamp.
Electric incandescent lamp.
Lamp and display device, Combination. R. W. Simpson. 2,141,769; Dec. 27.
Lamp and fluorescent material therefor, Fluorescent. G. R. Fonda and R. P. Johnson. 2,141,905; Dec. 27.
Lamp with cord take-up device, Floor. E. J. Hauser. 2,141,909; Dec. 27.
Land leveler. J. A. Glenn. 2,141,690; Dec. 27.
Lapping device. R. R. Searles. 2,141,491; Dec. 27.
Lapping machine. G. E. Hulbert and H. S. Indge. 2,142,057; Dec. 27.
Lens. C. V. Bergstrom. 2,141,159; Dec. 27.
Lens and diaphragm assembly. T. M. Brueck. 2,141,681; Dec. 27.
Lens mount. J. C. Sabel. 2,141,317; Dec. 27.
Lens surfacing machine. J. J. McCabe. 2,141,308; Dec. 27.
Lens surfacing machine. J. J. McCabe and G. C. Schelling. 2,141,309; Dec. 27.
Lens system. L. Bertele. 2,141,733; Dec. 27.
Lever, Brake. D. B. Dickerson. 2,141,266; Dec. 27.
Lever, Hand operated brake. F. D. Wenn. 2,141,778; Dec. 27.
Lidding machine. H. Paxton. 2,141,549; Dec. 27.
Lifeboats, Launching. A. P. Schut. 2,141,452; Dec. 27.
Lift for agricultural implements, Automatic power. N. C. Nelson. 2,141,819; Dec. 27.
Lifter: *See*—
Crop lifter.
Light fixture, Electric. M. N. Russell. 2,141,879; Dec. 27.
Lighting fixture, Electric. G. E. MacFadden. 2,141,441; Dec. 27.
Liquefier. A. T. Thompson. 2,142,012; Dec. 27.
Liquid dispensing apparatus. J. A. Winger. 2,141,583; Dec. 27.
Liquid fuel burner. A. Ottajovits. 2,141,360; Dec. 27.
Liquid fuel carburetor, Heavy. C. J. Mundhenk. 2,141,194; Dec. 27.
Liquid level controlling valve. A. N. Asselin. 2,141,807; Dec. 27.
Liquid level indicating device. J. F. Werder. 2,141,325; Dec. 27.
Liquid metering and dispensing apparatus. J. C. Miller. 2,141,925; Dec. 27.
Liquors containing suspended and flocculent matter, such as sugar juices, and similar liquors, Apparatus for clarifying. N. B. Bach. 2,141,371; Dec. 27.
List finding device. A. E. Pollock. 2,141,761; Dec. 27.
Lock: *See*—
Door lock. Tire cover lock.
Nut lock. Wrist pin lock.
Loom: *See*—
Circular loom.
Loom. W. H. Hall, Jr. 2,142,025; Dec. 27.
Loom, Center stop motion for. G. E. Adams. 2,141,636; Dec. 27.
Looms, Lay motion for. R. G. Turner. 2,141,676; Dec. 27.
Looms, Picking motion for. O. V. Payne. 2,141,666; Dec. 27.
Loudspeaker. G. S. Carbonneau. 2,141,949; Dec. 27.
Loudspeaker mounting. R. E. Tolerton. 2,141,423; Dec. 27.
Lubricating device, Automatic. M. C. Hammond. 2,141,863; Dec. 27.
Lubricating device for rings and travelers. W. Köhler. 2,141,754; Dec. 27.
Machine for assembling ophthalmic mountings. S. E. Bouchard. 2,141,288; Dec. 27.
Machine for coating printers' rollers. C. G. Bingham and A. R. Zimmer. 2,141,852; Dec. 27.
Machine for coating tubes internally. C. J. Westin. 2,141,630; Dec. 27.
Machine for printing commercial paper instruments. E. Watson and H. R. Baker. 2,141,577; Dec. 27.
Machine for making book matches and the like. C. F. Wright. 2,141,581; Dec. 27.
Machine for making fastener stringers. G. Sundback. 2,141,200; Dec. 27.
Magnet structure. L. B. Cornwell. 2,141,595; Dec. 27.
Mail exchange, Aerial. R. I. Kelton. 2,141,536; Dec. 27.
Manually propelled inertia vehicle. C. S. Alexander. 2,141,233; Dec. 27.
Marking material. L. Aronberg. 2,141,965; Dec. 27.
Massage device for tooth brushes. G. W. Benz. 2,141,969; Dec. 27.
Materials of different specific gravities and sizes, Apparatus for the pneumatic separation of. F. F. Ridley. 2,141,451; Dec. 27.
Materials to the contour of a last, Shaping shoe upper. E. I. La Chappelle. 2,141,213; Dec. 27.
Maximum current switch. M. Hauser. 2,141,749; Dec. 27.
Mechanism for assembling match packets and the like. H. Brown and W. C. Nicodemus. 2,141,460; Dec. 27.
Mechanism for assembling match packets and the like. L. E. Parker. 2,141,483; Dec. 27.
Memorandum recording device. R. W. Lambert. 2,142,030; Dec. 27.
Metal, Apparatus for casting. F. W. and V. Harbord. 2,141,981; Dec. 27.
Metal, Apparatus for treating plated strip. J. F. Ferm. 2,141,382; Dec. 27.
Metal product, Expanded. W. E. Mack. 2,141,400; Dec. 27.
Metal sheets, Method of and apparatus for opening. P. J. Murray and E. E. Bowen. 2,141,218; Dec. 27.
Metal surfacing, Sheet. H. J. Little. 2,142,070; Dec. 27.
Meter: *See*—
Resistivity meter.
Mill: *See*—
Coffee mill.
Milling machine. N. S. Lundberg and C. B. De Vlieg. 2,141,191; Dec. 27.
Milling machine for grain. A. Frérotte. 2,141,647; Dec. 27.
Mitten, Beauty. W. Burke. 2,141,739; Dec. 27.
Mixing valve, Thermostatically controlled. J. E. Dube. 2,141,520; Dec. 27.
Moistening device. W. H. Wheeler, Jr., J. W. Ogden, and F. J. Rouan. 2,141,258; Dec. 27.
Moisture control system. F. C. Stumm. 2,142,037; Dec. 27.
Molding machine for plastics. F. A. Novak and H. B. Harn. 2,141,195; Dec. 27.
Mop. W. G. Bailey. 2,141,336; Dec. 27.
Mop. W. A. Lamkey. 2,141,994; Dec. 27.
Mop, Polishing. W. G. Bailey. 2,141,335; Dec. 27.
Motor: *See*—
Rotary motor.
Motor propelled vehicle. J. G. Tingle. 2,141,568; Dec. 27.
Mount for electric motors, Peripheral resilient. H. D. Geyer. 2,141,648; Dec. 27.
Mounting: *See*—
Ophthalmic mounting.
Multipactor, Multistage. P. T. Farnsworth. 2,141,837; Dec. 27.
Mutiple cathode-ray tube. K. Schlesinger. 2,141,415; Dec. 27.
Musical instrument, Electrical. F. Trautwein. 2,141,231; Dec. 27.
Naphtha, Reforming of. E. J. Houdry. 2,141,185; Dec. 27.
Noise reduction. R. M. Smith. 2,141,229; Dec. 27.
Nozzle, Hose. E. J. Kenney. 2,141,868; Dec. 27.
Nut lock. J. V. Uherkovich. 2,141,701; Dec. 27.
Nut tapping machine. H. P. Selman. 2,141,280; Dec. 27.
Offset del. W. L. Castle and W. O. Hedberg. 2,141,736; Dec. 27.
Oil burner. A. B. Walton. 2,141,283; Dec. 27.
Oil, Conversion of hydrocarbon. L. C. Rubin. 2,142,075; Dec. 27.
Oil from petroleum acid sludge, Recovering. P. J. Harrington. 2,141,297; Dec. 27.
Oil, Lubricating. L. A. Clarke and C. C. Towne. 2,141,593; Dec. 27.
Oil, Solvent refining hydrocarbon. L. G. Story. 2,141,626; Dec. 27.
Oil, Solvent refining of. W. B. Hendrey and L. W. Cook. 2,141,605; Dec. 27.
Oil stocks from asphalt-containing crude petroleum oils, Preparing lubricating. E. W. Thiele and B. Ginsberg. 2,141,257; Dec. 27.

Oils, Apparatus for heating vegetable. J. Stewart. 2,141,941; Dec. 27.
Oils, Refining paraffin base. V. I. Downey. 2,141,623; Dec. 27.
Oils, Solvent dewaxing process for lubricating. H. B. Setzler. 2,141,622; Dec. 27.
Oils, Solvent extraction of mineral lubricating. C. C. Buchler and S. H. Diggs. 2,141,511; Dec. 27.
Olefines, Hydrating. W. K. Lewis. 2,141,275; Dec. 27.
Olefines, Hydration of. K. H. Rowland and R. V. Wallin. 2,142,036; Dec. 27.
Opthalmic mounting. J. W. Aspenleiter. 2,141,285; Dec. 27.
Ophthalmic mounting. S. E. Bouchard. 2,141,287; Dec. 27.
Ornamental device. L. B. Muller. 2,141,402; Dec. 27.
Ornamentation, Beadlike metal surface. O. P. Riedel. 2,141,488; Dec. 27.
Ovens and other chambers, Creating a moist atmosphere in bakers'. F. H. Bonner. 2,141,591; Dec. 27.
Package. K. E. Prindle. 2,141,252; Dec. 27.
Package collector. W. D. Kimball and C. I. Braren. 2,141,212; Dec. 27.
Package, Peanut butter. J. L. Rosefield. 2,141,725; Dec. 27.
Packer, Multiple. F. J. Spang. 2,141,419; Dec. 27.
Pad and shield and harness therefor, Combination sanitary. R. P. Buckingham. 2,141,970; Dec. 27.
Pad: *See*—
Brassière and breast pad.
Padlock. H. Hansen. 2,141,748; Dec. 27.
Pan, Vacuum. G. Duncan. 2,141,686; Dec. 27.
Panel and fastener therefor, Trim. H. J. Woodall. 2,141,500–1; Dec. 27.
Panel assembly, Trim. G. A. Tinnerman. 2,141,700; Dec. 27.
Paper and the like, Apparatus for the manufacture of. E. Hutchins. 2,141,393; Dec. 27.
Paper box. H. Hirsch. 2,141,438; Dec. 27.
Paper-cutting appliance. H. Wamser. 2,141,574; Dec. 27.
Paper instruments, Machine for printing commercial. E. Watson and H. R. Baker. 2,141,577; Dec. 27.
Paper machinery. H. L. Kutter. 2,141,273; Dec. 27.
Paper roll holder. J. Pfleger and M. Marrapese. 2,141,314; Dec. 27.
Paper webs and the like, in particular for the longitudinal creping of paper, Process and apparatus for varying the width of. R. Haas. 2,141,433; Dec. 27.
Paraffin cleaner. G. R. Buckley and W. A. McGrew. 2,141,508; Dec. 27.
Pedal, Bicycle. C. A. Persons. 2,141,446; Dec. 27.
Pen, Plunger type fountain. S. M. Sager. 2,141,199; Dec. 27.
Phonograph reproducer. L. Thompson and R. L. Stone. 2,141,804; Dec. 27.
Photoelectric cell oscillation circuit. H. A. Iams. 2,141,789; Dec. 27.
Photographic objective. A. Sonnefeld. 2,141,884; Dec. 27.
Photographic print washer. A. C. Brandt. 2,141,162; Dec. 27.
Photographs, Method and apparatus for taking X-ray. F. O. Gamble. 2,141,857; Dec. 27.
Piano mechanism. J. Sauerland. 2,141,765; Dec. 27.
Piano, Upright. C. F. Stein and A. C. Swanson. 2,141,728; Dec. 27.
Pickling and cleaning device for strip metal. F. J. Wood. 2,141,732; Dec. 27.
Pick-up mechanism. L. R. Tallman. 2,141,493; Dec. 27.
Picture carrier on copper intaglio printing cylinders, Fixing the. K. Hintsches. 2,141,390; Dec. 27.
Pile raising and lowering mechanism. J. Sinkovitz. 2,141,418; Dec. 27.
Pilot control system, Safety. L. L. Kuempel. 2,142,059; Dec. 27.
Pipe and plaque holder therefor. K. Weisser. 2,141,989; Dec. 27.
Pipe connecter, Automatic train. J. Robinson. 2,141,196; Dec. 27.
Pipe plugging device. A. W. Lenhart. 2,141,274; Dec. 27.
Pipe thread protector. B. Engstrom. 2,141,381; Dec. 27.
Pipes with metal, Method of and furnace for coating. M. Braun. 2,141,163; Dec. 27.
Piston. R. E. Day. 2,141,784; Dec. 27.
Plaited products, Process and apparatus for making arcuately. J. M. Angeletti. 2,141,235; Dec. 27.
Plant cover. C. M. Piglia. 2,141,484; Dec. 27.
Plastering machine. A. Rosabal. 2,142,071; Dec. 27.
Plasticizing product or plastic. H. P. Straus. 2,141,885; Dec. 27.
Plate casting mechanism, Stereotype. N. O. Temte. 2,141,802; Dec. 27.
Plate for television tube, Photoelectric. C. A. Castro. 2,141,375; Dec. 27.
Plug: *See*—
Cementing plug. Fuse plug.
Plug and socket structure, Electrical. T. W. Wallschlaeger. 2,141,889; Dec. 27.
Plug cap. R. A. Keddy and R. L. Allaire. 2,141,790; Dec. 27.
Polishing composition. T. R. Thompson. 2,141,729; Dec. 27.
Polishing machine. H. S. Indge. 2,142,058; Dec. 27.
Pool cleaner, Swimming. R. B. Everson. 2,141,811; Dec. 27.
Portable sign. E. C. Brownell. 2,141,342; Dec. 27.
Powder dispenser. L. J. Kelly. 2,141,815; Dec. 27.
Power transmission. C. J. Anderson, Jr. 2,141,234; Dec. 27.
Power transmission. E. L. Rose. 2,141,935; Dec. 27.
Power transmission. R. L. Tweedale. 2,141,945; Dec. 27.
Power transmission assembly. A. Kuhns and E. R. Gasser. 2,141,306; Dec. 27.
Power transmission system. H. M. Hobart. 2,141,912; Dec. 27.
Power transmission system, Hydraulic. H. Sinclair. 2,141,940; Dec. 27.
Preheater, Feedwater. F. S. Bennett. 2,141,899; Dec. 27.
Press. I. Harter. 2,142,052; Dec. 27.
Press. W. Meier. 2,141,657; Dec. 27.
Pressing machine. C. Mendelson. 2,141,249; Dec. 27.
Pressure control mechanism, Fluid. W. J. Andres. 2,141,678; Dec. 27.
Printing or coating machine, Rotary. D. Greenhill. 2,141,978; Dec. 27.
Profile and diesinking machine, Automatic universal. B. Sassen. 2,142,061; Dec. 27.
Proportioning apparatus. B. H. Thurman. 2,142,062; Dec. 27.
Protector: *See*—
Hose protector. Substation protector.
Pipe thread protector. Terminal protector.
Protective arrangement for alternating current systems. E. H. Bancker and T. A. Cramer. 2,141,896; Dec. 27.
Protective means for shoes. H. Coenen. 2,141,345; Dec. 27.
Protein products, Degrading. C. Weizmann. 2,141,455; Dec. 27.
Pruning tool. J. H. Rich. 2,141,224; Dec. 27.
Pulley construction. G. E. Hulse. 2,141,915; Dec. 27.
Pulpstone. T. Larsson. 2,141,608; Dec. 27.
Pump: *See*—
Compressed air operated Well pump.
pump.
Pump or motor, Rotary. H. A. Centervall. 2,141,170–1; Dec. 27.
Pumping system, Hydraulic-pneumatic. G. S. Bays. 2,141,703; Dec. 27.
Pyrazolanthrone series, Compounds of the. R. N. Lulek and E. E. Beard. 2,141,872; Dec. 27.
Rack: *See*—
Towel rack.
Racking mechanism for use in dipping sheets and the like. F. Thomas. 2,141,887; Dec. 27.
Radiation sensitive device. H. Kott. 2,141,655; Dec. 27.
Radio receiver. A. G. Clavier. 2,141,292; Dec. 27.
Radio receiver, High fidelity. P. F. G. Holst and L. R. Kirkwood. 2,141,391; Dec. 27.
Radio receiving system. C. J. van Loon. 2,141,730; Dec. 27.
Radiographic tube, Shockproof. M. J. Gross and Z. J. Atlee. 2,141,860; Dec. 27.
Rail car. H. C. Lord. 2,141,956; Dec. 27.
Railway vehicle, Convertible. C. Harwood, Jr. 2,141,864; Dec. 27.
Range. A. Stockstrom and G. P. Eichelsbach, Jr. 2,141,831; Dec. 27.
Range, Combination solid and gaseous fuel cooking. A. H. Brodbeck. 2,141,808; Dec. 27.
Razor and blade, Safety. Y. H. Kurkjian. 2,141,755; Dec. 27.
Razor blade. W. H. Huenergardt. 2,141,474; Dec. 27.
Razor, Safety. P. Bauerle. 2,141,339; Dec. 27.
Receiver, Multirange. A. A. Linsell. 2,141,756; Dec. 27.
Receiver, Ultra-short-wave. A. G. Clavier. 2,141,291; Dec. 27.
Receiving system, High fidelity. P. Weathers. 2,141,426; Dec. 27.
Receptacle. J. Hassenfeld. 2,141,952; Dec. 27.
Receptacle for containing glass during its manufacture. J. H. Partridge. 2,141,930; Dec. 27.
Receptacle or case, Closed. M. L. Rathbun. 2,141,449; Dec. 27.
Receptacles, Sealing. J. H. Payne. 2,141,932; Dec. 27.
Recorder, Magnetic. W. P. Patrick. 2,141,548; Dec. 27.
Recording process and system. J. L. Yonkers. 2,141,964; Dec. 27.
Rectifier. W. Leukert. 2,141,921; Dec. 27.
Reel: *See*—
Fishing line drying reel. Fishing reel.
Reel or holder for textile packages. R. Little and F. Fraim. 2,141,610; Dec. 27.
Reel rod for a printing cylinder. I. Tornberg. 2,141,961; Dec. 27.
Reeling machine, Automatic. I. Kowada. 2,141,816; Dec. 27.
Refractory for induction furnaces. H. C. Fisher. 2,141,600; Dec. 27.
Refrigerating apparatus. E. F. Schweller. 2,141,255; Dec. 27.
Refrigeration. A. Lenning. 2,141,609; Dec. 27.
Refrigeration. H. C. Shagaloff. 2,141,882; Dec. 27.
Refrigeration mechanism. R. G. Hilger. 2,141,715; Dec. 27.
Refrigerator. R. G. Hilger. 2,141,714; Dec. 27.

Refrigerator cabinet. J. L. Knight. 2,141,918; Dec. 27.
Refrigerator car door. H. Fuchs. 2,141,353; Dec. 27.
Refrigerator, Ice. C. E. H. Frykdahl. 2,141,270; Dec. 27.
Refrigerator, Multiple compartment. L. J. Bronaugh and T. I. Potter. 2,141,459; Dec. 27.
Regulating apparatus. H. H. Gorrie. 2,141,464; Dec. 27.
Regulator: *See*—
Fuel regulator.
Regulator for carburetors, Fuel. P. Schüttler. 2,141,365; Dec. 27.
Regulator for cotton linter hoppers, Feed. C. R. Carr. 2,141,512; Dec. 27.
Regulator for deep boring equipments, Hydropneumatic scavenging pump. F. W. Koerver. 2,141,356; Dec. 27.
Relay, Photoelectric. C. G. Suits. 2,141,942; Dec. 27.
Relief valve. H. Allen. 2,141,835; Dec. 27.
Relief valve. J. A. Tennant. 2,141,847; Dec. 27.
Resin adapted for varnish making and making same, and coating compositions therefrom, Light-colored high-melting-point. J. B. Rust. 2,141,198; Dec. 27.
Resin and making same, Color stable oil-modified. J. B. Rust. 2,141,197; Dec. 27.
Resin and making same, Phenolic acetaldehyde. J. B. Rust. 2,142,076; Dec. 27.
Resin, Initially light colored phenol-acetaldehyde. J. B. Rust. 2,142,078; Dec. 27.
Resistivity meter. E. E. Blondeau. 2,141,590; Dec. 27.
Respirator. W. A. Whipple. 2,142,064; Dec. 27.
Rest for grinding machines, Automatic steady. G. Crompton, Jr. 2,141,596; Dec. 27.
Rewinder. S. W. Warner and L. B. Case. 2,141,629; Dec. 27.
Ring and traveler therefor, Spinning. H. E. Herr. 2,141,472; Dec. 27.
Roaster, Automatic. J. K. Woolsey and F. W. Carpenter. 2,141,586; Dec. 27.
Rocking device, Vehicle. J. A. Catalano. 2,141,639; Dec. 27.
Rod: *See*—
Welding rod.
Roller brace for shaker conveyers, Adjustable. L. E. Jarrett. 2,141,439; Dec. 27.
Room, Knock-down projection. G. W. Garrard and E. J. Perry. 2,141,528; Dec. 27.
Rotary motor. P. E. Good. 2,141,982; Dec. 27.
Rotary rock bit. J. H. Howard and A. C. Catland. 2,141,841; Dec. 27.
Rubber articles, Manufacture of. V. H. Hurt. 2,141,788; Dec. 27.
Rubber strips, Apparatus for manufacturing. C. J. Randall. 2,141,405; Dec. 27.
Running gear. A. P. Armington. 2,141,165; Dec. 27.
Sand, Apparatus for cleaning. O. D. Sisson. 2,142,010; Dec. 27.
Sash and frame for same, Replaceable. P. De Pietro. 2,141,348; Dec. 27.
Saturator for the manufacture of coarse-crystalline sulphate of ammonia. H. Koppers. 2,141,186; Dec. 27.
Saw set. E. Platter. 2,141,695; Dec. 27.
Saw teeth. R. A. Balfour and F. H. Hale. 2,141,504; Dec. 27.
Scale, Bathroom. E. E. Benedict. 2,141,236; Dec. 27.
Scale, Heart beat indicator. A. B. Jacobus and H. A. Hadley. 2,141,246; Dec. 27.
Seal, Lead-in. W. Ziegenbein. 2,141,677; Dec. 27.
Seal, Meter protective cabinet. W. S. Davis and A. R. Kuhn. 2,142,048; Dec. 27.
Sealed container. J. D. Reifsnyder. 2,141,556; Dec. 27.
Seam for garments, Elastic. H. Diamond. 2,141,239; Dec. 27.
Seam, Tank roof. F. Hahn and L. W. Schrader. 2,141,861; Dec. 27.
Seat construction. E. R. Fensin. 2,141,710; Dec. 27.
Seeds and the growth of seedlings, Apparatus for the germination of. H. H. B. Lund. 2,141,478; Dec. 27.
Set-up container. S. N. Lebold and H. K. Powell. 2,141,717; Dec. 27.
Sewage to purify the same, Treating. H. O. Halvorson and R. L. Smith. 2,141,979; Dec. 27.
Sewing machines, Device for. J. P. Weis. 2,142,079; Dec. 27.
Shaft support, Roll. L. O. Carroll. 2,141,810; Dec. 27.
Sharpener, Drill. O. T. Gylleck. 2,141,712; Dec. 27.
Sharpener, Lawn mower. S. A. McKittrick. 2,141,359; Dec. 27.
Sharpening device. W. A. Barry. 2,141,850; Dec. 27.
Sheet delivery apparatus for folding machines. G. Spiess. 2,142,011; Dec. 27.
Sheet material, Method and apparatus for crimping. R. Haas. 2,141,432; Dec. 27.
Sheet stretching apparatus. F. Honig. 2,141,913; Dec. 27.
Sheeting, Process and apparatus for the production of. S. Chylinski. 2,141,377; Dec. 27.
Sheets, Annealing. H. M. Cox. 2,141,518; Dec. 27.
Sheetlike material, Apparatus and method for handling. L. Iversen. 2,141,394; Dec. 27.
Shelf, Electrical refrigerator. H. V. Scott. 2,142,008; Dec. 27.
Shield, Face. M. Feiler. 2,141,972; Dec. 27.
Shield for toilet bowl seats. G. B. Bentz. 2,141,341; Dec. 27.
Ship. N. B. Geddes. 2,141,180–1; Dec. 27
Shoe fitting apparatus. H. V. S. Mott. 2,141,193; Dec. 27.
Shoe, Presser. M. J. Matsen. 2,142,032; Dec. 27.
Shoelace. S. Taft. 2,141,801; Dec. 27.
Shoe-testing device. G. R. Hill. 2,141,651; Dec. 27.
Short wave system, Ultra. R. W. George and B. Trevor. 2,141,242; Dec. 27.
Shredder, Sewage. S. F. Ossing. 2,141,663; Dec. 27.
Shuttle box for looms, Multicell. C. J. Lindegren and J. B. Olch. 2,141,656; Dec. 27.
Siccative composition and making same, Alkali-resisting phenolic aldehyde. J. B. Rust. 2,142,077; Dec. 27.
Sign: *See*—
Portable sign.
Sign. D. B. Card. 2,141,344; Dec. 27.
Sign. G. D. Duntze. 2,141,207; Dec. 27.
Sign letter. S. G. Lang, 3rd. 2,141,955; Dec. 27.
Signal: *See*—
Sound signal. Vehicle direction signal.
Traffic signal.
Signal. L. G. Godchaux, R. H. Dietz, and R. H. McElroy. 2,141,243; Dec. 27.
Signal device, Automobile. A. Foulks. 2,141,210; Dec. 27.
Signal lamp. S. M. Dover. 2,141,240; Dec. 27.
Signaling apparatus, Automatic. J. R. Hansen. 2,141,980; Dec. 27.
Signaling apparatus. F. G. Troisi. 2,141,323; Dec. 27.
Signaling, Arrangement for wireless. E. Kramar and H. Brunswig. 2,141,247; Dec. 27.
Signaling device. G. F. Reznor. 2,141,844; Dec. 27.
Signaling, Method of and apparatus for facsimile. W. G. H. Finch. 2,141,973; Dec. 27.
Signaling system. S. F. Arbuckle, G. H. Coulter, and C. E. Godley. 2,141,188; Dec. 27.
Signaling system. H. P. Hubertz. 2,141,473; Dec. 27.
Signaling system, Railway. T. J. Judge. 2,141,535; Dec. 27.
Signaling system, Vehicle. E. C. Horton. 2,142,055; Dec. 27.
Silk and the manner of its production, Fibrous. A. H. Rosenberg. 2,141,253; Dec. 27.
Silk, Manufacture of artificial. P. Schlack. 2,142,007; Dec. 27.
Skirt and making the same. I. A. Winter. 2,141,632; Dec. 27.
Slicer, Bread. R. J. Beutel. 2,141,947; Dec. 27.
Slicing machine for bakery products. L. Ferenci. 2,141,904; Dec. 27.
Slidable fastener. A. M. Brown. 2,141,900; Dec. 27.
Smelting, Aluminothermic. O. H. Lorange. 2,142,031; Dec. 27.
Snow plow attachment for motor vehicles. A. F. Richter. 2,141,558; Dec. 27.
Socket, Electric lamp. R. N. Wright. 2,141,587; Dec. 27.
Solar distilling apparatus. C. G. Abbot. 2,141,330; Dec. 27.
Solutions of cellulose in sulphuric acid, Preparing. H. Fink and R. Hofstadt. 2,141,383; Dec. 27.
Solvent dispensing apparatus. M. J. Bean. 2,141,638; Dec. 27.
Soot remover. E. W. Adams, F. K. Ovitz, and E. G. Wiley. 2,141,848; Dec. 27.
Sound reproducer, Pneumatic. W. C. Eaves. 2,141,208; Dec. 27.
Sound reproducing and recording apparatus. S. Wittander. 2,141,584; Dec. 27.
Sound signal. R. M. Critchfield. 2,141,641; Dec. 27.
Speaker, Magnetic. W. J. Paredes. 2,141,820; Dec. 27.
Spear, Casing. F. P. Jones. 2,141,987; Dec. 27.
Speedometer, Magnetic. T. Paul. 2,141,445; Dec. 27.
Spinning and twisting. P. R. Roadley. 2,141,724; Dec. 27.
Spinning machines for artificial silk, Device for laying the threads over rotating stretching devices in spool. H. Marzari. 2,141,544; Dec. 27.
Split cathode multiplier tube. P. T. Farnsworth. 2,141,838; Dec. 27.
Spotting board. R. F. Haggerty. 2,141,183; Dec. 27.
Spring: *See*—
Vibrating screen spring.
Spring construction. N. H. F. Olsen. 2,141,220; Dec. 27.
Spring knotting machine. F. R. Zimmerman. 2,141,588; Dec. 27.
Spring suspension system for cars. F. K. Clar and C. Geissen. 2,141,592; Dec. 27.
Stapler. E. L. Sibley. 2,141,366; Dec. 27.
Stapling or wire-stitching machine. A. H. Maynard. 2,141,612; Dec. 27.
Starch, Manufacture of. S. Shurback. 2,141,562; Dec. 27.
Starter, Engine. J. B. Dyer. 2,141,178; Dec. 27.
Starter, Engine. H. L. Meeder. 2,141,217; Dec. 27.
Steel, Alloy. W. H. Hatfield. 2,141,389; Dec. 27.
Steering mechanism. R. C. Russell. 2,141,697; Dec. 27.
Steering wheel table. H. A. D. Baer. 2,141,849; Dec. 27.
Sterilizing and warming device for containers. W. P. Clements. 2,141,516; Dec. 27.
Stoker. W. V. Sauter. 2,141,620; Dec. 27.
Stone-cutting apparatus. G. A. Swenson. 2,141,566; Dec. 27.
Stone-picking machine. O. F. Reiter. 2,141,557; Dec. 27.
Stone-working tool. G. A. Swenson. 2,141,567; Dec. 27.
Stop mechanism for machine tools, Combined delayed trip and spindle. H. Horlacher. 2,142,029; Dec. 27.

Stopper and liquid measuring device, Combined bottle. L. Koukal. 2,141,870; Dec. 27.
Stopper and measuring device, Combined bottle. L. Koukal. 2,141,871; Dec. 27.
Store front construction. W. Stahl. 2,141,564; Dec. 27.
Storm center locator. B. T. Rodd and G. E. Judd. 2,141,696; Dec. 27.
Stove. C. Ehret. 2,141,741–2; Dec. 27.
Stoves, Cleanout device for. E. F. Fales, Sr. 2,141,812; Dec. 27.
Strata traversed by a bore hole, Method and arrangement for the electrical survey of the. C. Schlumberger. 2,141,826; Dec. 27.
Stringed instrument. A. G. Borg. 2,141,735; Dec. 27.
Structure and blank therefor, Miniature. H. P. Luhn. 2,141,399; Dec. 27.
Structure for driving spinning blades, Simplified. T. Sato. 2,141,319; Dec. 27.
Structural member and manufacture thereof. L. W. Cross. 2,141,642; Dec. 27.
Stuffing box. K. T. and A. J. Penick. 2,141,404; Dec. 27.
Substation protector. R. G. Sands. 2,141,490; Dec. 27.
Sulphite into an oxide and sulphur dioxide, Converting a. A. D. Singh. 2,141,228; Dec. 27.
Support: *See*—
Arch support.
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Shaft support.
Support and installation thereof, Shelf. C. C. Wilson. 2,141,892; Dec. 27.
Surfaces of zinc-base, Coating. W. E. Hall. 2,142,024; Dec. 27.
Surfaces of zinc-base, Coating. W. E. Hall. 2,142,026; Dec. 27.
Switch: *See*—
Control switch.
Electric switch.
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Switch for traffic signals. J. N. Klema and T. S. Thompson. 2,141,355; Dec. 27.
Switch mechanism. J. W. Owens. 2,141,278; Dec. 27.
Swivel. H. Hermann. 2,141,865; Dec. 27.
Table: *See*—
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Tanning agents and producing the same. H. Muench and H. Loewe. 2,141,276; Dec. 27.
Tapes from different rolls, Bulk measurement of. M. C. McCurrach. 2,141,248; Dec. 27.
Tapping attachment. G. W. Emrick. 2,141,209; Dec. 27.
Telegraph regenerating system. M. H. Woodward. 2,141,326; Dec. 27.
Telegraphy, Electric. A. F. Connery. 2,141,237; Dec. 27.
Telephone mechanism. T. Dietrich and O. Borel. 2,141,785; Dec. 27.
Telephone system. C. E. Lomax. 2,141,476; Dec. 27.
Telegraph system, Facsimile. H. C. Harrison and T. J. Pope. 2,141,388; Dec. 27.
Telephone metering system. H. Döhle. 2,141,463; Dec. 27.
Telephone system. J. Baumfalk. 2,141,372; Dec. 27.
Tennis racket. H. G. Ranger. 2,141,824; Dec. 27.
Tensile testing apparatus. H. J. Woock. 2,141,284; Dec. 27.
Tension for loom shuttles. R. G. Turner. 2,141,675; Dec. 27.
Terminal protector. P. E. Anderson. 2,141,503; Dec. 27.
Terracing and ditching machine. H. M. Murphy. 2,141,693; Dec. 27.
Thermostatic device. R. Varley. 2,141,775; Dec. 27.
Tie plate and rail retaining clip. G. T. Willard. 2,141,891; Dec. 27.
Time control contactor. O. J. Ryder. 2,141,561; Dec. 27.
Timing system for glass feeders. H. P. Schaffer and D. O. Headley. 2,142,006; Dec. 27.
Tire cover lock. H. S. Jandus. 2,141,302; Dec. 27.
Tire inflating device. J. H. Mann, Jr. 2,141,542–3; Dec. 27.
Toaster, Electric. M. Ireland. 2,141,867; Dec. 27.
Tong line control for skidder carriages. A. E. Hansen and C. W. Spiering. 2,141,469; Dec. 27.
Tool: *See*—
Cutting tool.
Core taking tool.
Pruning tool.
Stove-working tool.
Weeding and mulching tool.
Tool, Making a diamond. H. W. Wallace. 2,141,202; Dec. 27.
Tooth powder dispensing container. F. W. Clook. 2,141,379; Dec. 27.
Towel rack. R. F. Davis. 2,141,347; Dec. 27.
Toy, Construction. F. V. Kreider. 2,141,993; Dec. 27.
Tractor. R. A. Guidroz. 2,141,530; Dec. 27.
Traffic controlling apparatus, Railway. H. A. Thompson. 2,141,803; Dec. 27.
Traffic controlling system for railroads, Centralized. R. M. Phinney and W. H. Hoppe. 2,141,551; Dec. 27.
Traffic regulating system. B. Arkell and D. M. McBean. 2,142,040; Dec. 27.
Traffic signal, Reflecting. C. A. Costanzo. 2,141,683; Dec. 27.
Transformer core structure. D. Eppelsheimer. 2,142,066; Dec. 27.
Transmission band. A. Loges. 2,141,796; Dec. 27.
Transmission, Hydraulic. B. Bischof. 2,141,166; Dec. 27.
Transparent container. F. J. Hoarle. 2,141,752; Dec. 27.
Trap: *See*—
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Trigger mechanism for double-barreled guns, Single. E. E. Miller. 2,142,000; Dec. 27.
Trimming, Curtain. H. A. Klahre. 2,141,795; Dec. 27.
Truck, Railway. P. B. Camp. 2,141,767; Dec. 27.
Truck, Transport. C. H. White. 2,141,805; Dec. 27.
Truss for human rupture. O. C. Dobbs. 2,142,073; Dec. 27.
Truss for rupture. O. C. Dobbs. 2,142,074; Dec. 27.
Tube: *See*—
Braun tube.
Charge storage dissector tube.
Electric discharge tube.
Multiple cathode-ray tube.
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Split cathode multiplier tube.
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Tube tester. H. P. Manly. 2,141,479; Dec. 27.
Tubes, Closure device for collapsible. W. S. Tucker. 2,141,572; Dec. 27.
Tubes, Making collapsible. J. H. Fridén. 2,141,602; Dec. 27.
Tubing, Apparatus for expanding sections of. E. Riemenschneider and R. H. Thoms. 2,142,017; Dec. 27.
Turbine, Gas. M. Martinka. 2,141,401; Dec. 27.
Tuyère. W. V. Sauter. 2,141,619; Dec. 27.
2-P-dioxanone, Production of. R. W. McNamee and C. M. Blair. 2,142,033; Dec. 27.
Typewriter, typewriter calculating machine, and the like. R. Anschütz. 2,141,158; Dec. 27.
Typographical machine. E. M. Goodbody. 2,142,051; Dec. 27.
Universal joint. C. D. Cutting. 2,141,264; Dec. 27.
Unwinder and winder mechanism for paper machinery. C. P. Putnam. 2,141,315; Dec. 27.
Upholstery. C. H. Gerlofson. 2,141,271; Dec. 27.
Utensil, Cooking. K. E. Porter. 2,141,822; Dec. 27.
Utensil, Culinary. C. Pistorius. 2,141,223; Dec. 27.
Utensil, Kitchen. M. Burleigh. 2,141,901; Dec. 27.
Vacuum tube. C. H. Suydam. 2,141,256; Dec. 27.
Valve: *See*—
Liquid level controlling valve.
Mixing valve.
Relief valve.
Valve and the like, Oven. F. R. Mott. 2,141,614; Dec. 27.
Valve arrangement for hydraulic gears, Slide. B. Bischof. 2,141,168; Dec. 27.
Valve bag. A. Du Bois. 2,141,737; Dec. 27.
Valve for can filling machines. E. Roge. 2,141,618; Dec. 27.
Valve for pneumatic tools. F. M. Slater. 2,141,727; Dec. 27.
Valve insides construction, Pneumatic. L. C. Broecker. 2,142,044; Dec. 27.
Valve translating circuit, Electric. H. W. Lord. 2,141,922; Dec. 27.
Vanity case. J. L. Younghusband. 2,141,327–8; Dec. 27.
Vehicle. H. J. Dillon. 2,141,267; Dec. 27.
Vehicle control mechanism. W. A. Eaton. 2,141,689; Dec. 27.
Vehicle: *See*—
Manually propelled inertia vehicle.
Motor propelled vehicle.
Railway vehicle.
Vehicle direction signal. C. O. Hill. 2,141,437; Dec. 27.
Vehicle pulsator. N. Nielsen. 2,141,660; Dec. 27.
Vehicle top. T. P. Lohrman. 2,141,842; Dec. 27.
Vehicle wheel. C. S. Ash. 2,141,457; Dec. 27.
Vending machine. D. B. Benham. 2,141,851; Dec. 27.
Ventilating apparatus. K. D. McMahan. 2,141,923; Dec. 27.
Ventilator. A. A. Mead and L. Lynes. 2,141,442; Dec. 27.
Ventilator. L. I. Ravven. 2,141,762; Dec. 27.
Vibrating screen spring. H. L. Strube. 2,141,320; Dec. 27.
Vibrator, Dental. J. P. Kirwan and B. Jackson. 2,141,304; Dec. 27.
Viscose, Making. G. A. Richter and H. P. Vannah. 2,141,669; Dec. 27.
Voltage regulator device. H. Kott. 2,141,654; Dec. 27.
Volume control and switch unit, Combined. C. J. Hathorn. 2,141,907–8; Dec. 27.
Volume control for amplifiers, Automatic. L. Thompson. 2,141,944; Dec. 27.
Voting machine. C. E. and H. S. Glenn. 2,141,603; Dec. 27.
Wall. C. Batcheller and F. Heft. 2,141,946; Dec. 27.
Washer: *See*—
Photographic print washer.
Washer for fruits, vegetables, and the like. L. H. Platt and L. H. Platt, Jr. 2,141,362; Dec. 27.
Watch and jewelry cleaning machine. E. T. Hensler and H. W. McKenzie. 2,141,713; Dec. 27.
Wave transmission. G. C. Southworth. 2,141,281–2; Dec. 27.
Wax in oils, Suppressing. C. E. Francis and B. S. Greensfelder. 2,141,601; Dec. 27.
Webs, Method and apparatus for making granular coated. R. L. Melton, R. C. Benner, and H. P. Kirchner. 2,141,658; Dec. 27.

Weeding and mulching tool. T. B. Hubbell. 2,141,533; Dec. 27.
Weft replenishing mechanism for oval bobbins. R. G. Turner. 2,141,674; Dec. 27.
Weighing machine. J. L. Ferguson. 2,141,296; Dec. 27.
Welding rod, Flux coated. C. G. Chadwick. 2,142,045; Dec. 27.
Well pump, Deep. C. R. McDaniel. 2,141,957; Dec. 27.
Wheel: *See*—
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Wheel attachment, Traction. J. F. Langer. 2,141,214; Dec. 27.
Wheel construction, Steering. E. G. Von Gunten. 2,141,832; Dec. 27.
Wheel suspension, Independent. J. W. Leighton. 2,141,215; Dec. 27.
Winding apparatus. F. V. Johnson and D. C. Robson. 2,141,395; Dec. 27.
Windshield cleaner. E. C. Horton. 2,142,054; Dec. 27.
Windshield clearing system. E. C. Horton. 2,142,056; Dec. 27.
Wire for electric welding. F. Leitner. 2,141,996; Dec. 27.
Wire spooler, Belt driven. W. D. Pierson. 2,141,934; Dec. 27.
Wire twisting apparatus. D. O'Neil. 2,141,661; Dec. 27.
Wire, Welding. F. Leitner. 2,141,995; Dec. 27.
Wireless receiving apparatus. E. S. V. Truefitt. 2,141,774; Dec. 27.
Wood-shaping machine. W. M. Whitney and A. W. Hawes. 2,141,631; Dec. 27.
Wrist pin lock. H. C. Marsh. 2,141,720; Dec. 27.

CLASSIFICATION OF PATENTS

ISSUED DECEMBER 27, 1938

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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U. S. GOVERNMENT PRINTING OFFICE: 1938

Patents Nos. 2,138,811 to 2,139,648

THE

OFFICIAL GAZETTE

OF THE

United States Patent Office

Vol. 497—No. 1 TUESDAY, DECEMBER 6, 1938 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.

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Notice

Classification Bulletin No. 74, containing revisions in classification during period January 1, 1938, to June 30, 1938, can now be purchased from the Patent Office for ten cents per copy.

Notice of Cancellation

U. S. Patent Office, *Washington, D. C., Nov. 1, 1938.*

California Bottling Co., its assigns or legal representatives take notice:

An application for cancellation having been filed in this Office by Clicquot Club Company, Millis, Mass., to effect the cancellation of trade-mark registration of California Bottling Co., 142 Kings Street, Brooklyn, N. Y., No. 160,146, dated October 17, 1922, and the notice of such proceeding sent by registered mail to the said California Bottling Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless said California Bottling Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

Justin W. Macklin,
First Assistant Commissioner.

Adjudicated Patents

(C. C. A. Wash.) Melby patent, No. 1,634,789, for shingle-planing machine, claim 2 *Held* not infringed. *Fitite Cedar Shake Co.* v. *C. B. Shingle Co.*, 99 F.(2d) 110.

(C. C. A. Pa.) Brizzolara patent, No. 1,709,709, for device for producing ice cubes, claims 3, 7, and 8 *Held* invalid. *Coolerator Co.* v. *Martocello*, 99 F.(2d) 58.

(C. C. A. Wash.) Melby patent, No. 1,764,412, for shingle, *Held* not infringed. *Fitite Cedar Shake Co.* v. *C. B., Shingle Co.*, 99 F.(2d) 110.

(D. C. Ky.) Bahr patent, No. 1,770,450, for starting machine, claims 1, 2, and 4 *Held* valid but not infringed. *Bahr Starting Gate Corporation* v. *Dade Park Jockey Club*, 24 F. Supp. 709.

(C. C. A. Calif.) Thompson patent, No. 1,776,455, for sprinkler head, claims 1, 2, 5 to 10, 13, and 14 *Held* not infringed. *Moody* v. *Thompson Mfg. Co.*, 99 F.(2d) 97.

(C. C. A. Wash.) Craft patent, No. 1,820,445, for shingle-shake machine, claims 1, 3, and 8 *Held* not infringed. *Fitite Cedar Shake Co.* v. *C. B. Shingle Co.*, 99 F.(2d) 110.

(C. C. A. Ill.) Byerlein patent, No. 1,827,558, for press, claims 7, 9, 18, and 19 *Held* invalid and claim 21 *Held* not infringed. *General Machinery Corporation* v. *Clearing Mach. Corporation*, 99 F.(2d) 20.

(C. C. A. Calif.) Grant patent, No. 1,844,354, for expanding well reamer, *Held* not infringed. *Grant* v. *Koppl*, 99 F.(2d) 106.

(C. C. A. Pa.) Belshaw and LaCasse patent, No. 2,030,735, for ice cuber, claims 1, 2, and 7 to 10 *Held* invalid. *Coolerator Co.* v. *Martocello*, 99 F.(2d) 58.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,036,532, Max Knoll, Ludwig Schiff, and Carl Stoerk, Cathode-ray-oscillograph, decided November 16, 1938, claims 12 and 13.

Pat. 2,055,711, S. G. Stuckey, Glass feed control mechanism, decided September 27, 1938, claims 14 and 15.

Condition of Applications Under Examination at Close of Business November 19, 1938

(Total number of applications awaiting action, excluding Trade-Mark Division, 46,051; Trade-Mark Division, 1,342. Oldest new case, Mar. 14, 1938; oldest amended, Feb. 11, 1938.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	May 31	June 7	821
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	June 8	June 14	859
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Sept. 19	Sept. 19	328
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	July 8	July 7	533
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Aug. 19	Aug. 20	525
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	May 17	May 17	1,155
5725	7. JARBOE, C. G., Optics; Photography	Aug. 12	Aug. 11	914
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	July 8	July 7	950
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Aug. 12	Aug. 13	539
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	July 29	Aug. 8	568
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	July 26	July 23	497
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	Mar. 14	Mar. 4	817
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	July 6	July 6	648
5097	14. YUNG KWAI, B., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Sept. 2	Sept. 6	441
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	July 10	July 10	1,121
5716	16. SPENCER, C. J., Telegraphy; Telephony	May 28	May 23	833
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	June 23	June 25	667
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	June 11	June 21	578
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	July 14	July 12	719
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread Pastry, and Confection Making.	Aug. 17	Aug. 3	409
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Aug. 17	Aug. 17	433
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Aug. 4	Aug. 4	621
7624	23. BUTTNER, W. J., Registers (part)	Apr. 27	Feb. 11	318
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Aug. 25	Aug. 25	543
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	July 29	July 30	553
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	July 21	July 20	569
5708	27 CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment	May 23	May 14	1,128
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	June 18	June 9	545
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	June 10	June 10	765
4083	30 SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	May 31	June 3	873
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Aug. 19	Aug. 19	647
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Aug. 12	Aug. 10	580
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	July 9	July 15	884
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	Aug. 6	Aug. 1	314
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	July 12	July 14	752
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	June 8	June 11	630
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	May 14	May 7	896
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Plastic Compositions.	May 1	May 3	663
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	July 5	July 5	604
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	June 18	June 18	1,417
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Aug. 5	Aug. 4	251
5882	42. CUTTING, H. O., Electric Signaling	Apr. 2	Mar. 29	815
4886B	43. KLINGE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	July 6	July 21	530
4087B	44. HARVEY, L. P., Refrigeration	June 22	June 21	685
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	June 10	July 9	757
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	June 25	July 5	648
6082	47. LOWE, E. R., Clutches; Brakes	July 28	July 12	540
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	July 23	July 27	532
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Apr. 11	Apr. 23	1,080
4701	50. BLAKE, C. L., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	June 2	June 17	1,106
5628	51. BACKUS, C. D., Radiant Energy (part)	Aug. 6	Aug. 6	790
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Aug. 16	Aug. 19	808
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Aug. 1	Aug. 17	639
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Aug. 25	Aug. 22	427
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	May 21	May 19	1,306
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	June 20	June 20	1,063
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horse-shoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	June 29	July 5	493
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Aug. 13	Aug. 10	369
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Aug. 6	Aug. 15	756
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	July 5	July 8	541
6724	61. PARKS, G. E., Laminated Electrical Insulation; Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	May 26	May 20	603
5621	62. PUGH, E. C., Games; Geometrical Instruments	Aug. 15	Aug. 8	552
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	July 21	July 27	535
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	June 29	June 29	1,065
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	May 18	May 26	667
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND {Trade-Marks / Labels and Prints	Oct. 17 / Nov. 7	Oct. 31 / Nov. 14	1,261 / 81
2605	Designs: H. H. KALUPY	Oct. 8	Oct. 20	816

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

MILLER *v.* PIERCE

No. 3,936. Decided June 6, 1938

[97 F.(2d) 141]

INTERFERENCE—PRIORITY.

Record reviewed and *Held* priority properly awarded the senior party P., who was the first to conceive the subject matter of all the counts in issue and who, as to certain of them, was the first to reduce to practice and, as to the others, was diligent during the period when the junior party M. alleges he entered the field up to the date when P. filed his application.

APPEAL from Patent Office. Affirmed.

Mr. Clifton V. Edwards and *Mr. John B. Brady* for Miller.

Mr. Merrell E. Clark, Mr. David Rines, and *Mr. Jefferson Ehrlich* for Pierce.

BLAND, *J.:*

On April 18, 1930, George W. Pierce, Rumford Professor of Physics and Director of the Cruft Laboratory at Harvard University, filed an application, Serial No. 695,094, being a renewal of his application filed February 25, 1924, in the United States Patent Office for a patent for "Electrical systems". On April 22, 1930, a patent, No. 1,756,000, issued to John M. Miller, a radio engineer connected with the Naval Research Laboratory at Bellevue, D. C., upon an application filed September 10, 1925, for "Piezo-electric oscillation generator".

On September 21, 1932, an interference was declared between the application of Pierce and the patent of Miller, consisting of nine counts, being claims of the Miller patent. On January 16, 1933, Miller moved to dissolve the interference on the ground that Pierce did not have the right to make the counts of the issue, and on the same date Pierce moved to amend the interference by adding nine counts, being claims of the Miller patent. The motion to dismiss of Miller and the motion to amend of Pierce were denied by the Examiner of Interferences. The party Pierce appealed to the Board of Appeals from the said decision of the Examiner of Interferences refusing to add the proposed counts, and the Board reversed his decision as to six of the counts which were, on March 13, 1934, added to the interference.

The patent to Miller was inadvertently issued by the Patent Office, the application therefor being copending with the application of Pierce. Pierce, being entitled to the filing date of his application of February 25, 1924, which was before the filing date of Miller, is the senior party and Miller, the junior party, has the burden of proving his case by a preponderance of the evidence.

The invention involved in this interference relates to an electric oscillation generator comprising a piezo-electric crystal to control the frequency of oscillations generated with the aid of a vacuum tube. Prior to the entry of either Miller or Pierce into the field, the oscillating audion, i. e., the three-electrode vacuum tube comprising a grid, a filament (cathode), and a plate, had been used extensively as a generator of electrical oscillations in radio transmitting stations, by feeding back energy from the plate circuit to the grid circuit thus causing the tube to oscillate. The feeding back being accomplished by coupling the plate circuit to the grid circuit, inductively by means of a transformer, or through the capacity which exists between the grid and the plate, the frequency of the electrical oscillations generated was determined by the electrical characteristics of the associated circuits such as the inductance of a coil or the capacity of a condenser. The possibility of variations in the generated frequencies, due to variations in the value of the inductance or capacity, became objectionable due to resulting interference between the various transmitters in use.

It was found that a plate cut from a natural quartz crystal, due to the piezo-electric properties thereof, can be made to vibrate by the application of alternating electric voltages, the frequency of oscillation being substantially independent of the inductance or capacity present in the circuits. The counts of this interference do not cover broadly the piezo-electric oscillator per se but define certain specific improvements therein.

The Examiner of Interferences divided the counts of the interference into four groups as follows:

(I) Counts 1, 2, 4 to 7 and 9, which define a piezo-electric crystal in circuit with a vacuum tube in the output circuit of which there is provided a tunable resonant circuit.

(II) Count 10, which differs from the counts of group I in the recital of a grid-filament leakage path and a choke coil included therein.

(III) Counts 3, 8, 11, 13, 14 and 15, which define a piezo-electric crystal in the grid-filament circuit of the vacuum tube, the output circuit of the latter including the tunable resonant circuit.

(IV) Count 12, which differs from the counts of group III in the recital of the grid-filament leakage path and the choke coil therein.

Priority of invention as to all the counts was awarded, by the Examiner of Interferences, to Pierce, which decision was affirmed by the Board of Appeals. From the decision of the Board Miller appealed to this court. At the oral argument, Miller moved to dismiss the appeal as to counts 10 and 12, which motion is allowed. There remain to be considered only the counts comprised in groups I and III, viz., counts 1, 2, 4 to 7, and 9, and counts 3, 8, 11, 13, 14, and 15, respectively. Count 1 is illustrative of the counts comprising group I, and count 3 is illustrative of the counts comprising group III. They follow:

1. In an oscillation generator, a vacuum tube, a quartz crystal in circuit with said tube, *and a tunable resonant circuit* connected in the output circuit of the tube. [Italics ours.]

3. In an oscillation generator, a vacuum tube, having an input circuit comprising a *quartz crystal connected between a control electrode and cathode of said vacuum tube and a tunable resonant circuit external to said input circuit* of said tube and associated with a circuit between the cathode and an electrode of said tube which electrode is maintained at an average potential different from that of said cathode. [Italics ours.]

Prior to the institution of this interference in the Patent Office, suits were brought by Miller in the United States District Court for the District of Delaware, against certain licensees of the party Pierce for infringement of the claims (among others) of his patent which correspond to the counts on appeal here. One of the defenses raised was the alleged prior invention by Pierce. The court held (*Miller* v. *National Broadcasting Co.* [*etc.*], 6 F. Supp. 47) that the Miller patent was invalid for the reason that Miller was not the first inventor of the subject matter disclosed and claimed in the patent. The decision of the District Court was affirmed by the Circuit Court of Appeals, Third Circuit, in 79 F.(2d) 657.

The record in the instant case consists largely of the evidence presented in the aforementioned infringement suits, this evidence having been included in this interference record by stipulation. Certain additional testimony was also taken and appears in the record.

The Examiner of Interferences quoted at length from the findings of the District Court in the infringement suits and stated:

> From an independent consideration of the testimony and exhibits offered in behalf of Pierce, the same conclusions have been reached.

The Examiner of Interferences held that certain exhibits (Exhibits 1, 8, 8A, and 8B) introduced by Pierce as illustrative of the work done by him prior to and in the summer of 1923 showed that as to the counts in Group I Pierce was entitled to a date prior to any date alleged by the party Miller. The Board of Appeals reached the same conclusion as did the Examiner of Interferences. We quote from its decision as follows:

> The record clearly shows that early in the year 1923, that Pierce became active in the investigation of the use of piezo-electric crystals in controlling the frequency of oscillations generated with the aid of a vacuum tube. A paper prepared in July and in October, 1923, was published in the Proceedings of the American Academy of Arts and Sciences, describing the results of this early work. The paper disclosed a crystal controlled oscillator in which the crystal was connected between the grid and the plate and in which an inductance coil was inserted in the plate circuits. In Figs. 3, 5, and 6 the use of an induction coil in the plate circuit was described. It was stated specifically that an inductance of any value, if large enough, may be used in the plate circuit, and a coil of specific size is suggested for use with a crystal of certain specific frequency.
>
> Whether or not this paper alone [Exhibit 1] constituted a disclosure of the counts included in group I (point I of appellant's brief) is not a matter which we have to decide. The decision of the Examiner of Interferences is not based alone on this paper for his award of priority to Pierce as to counts of group I, but also on Exhibits 8, 8A and 8B; all these taken together give Pierce a date prior to any date alleged by the party Miller. In other words, the paper referred to constitutes only a fragment of Pierce's case and therefore the question of whether or not it alone constitutes an anticipation of Miller's claims is purely a moot one.

Group III defines the piezo-electric crystal in the grid-filament circuit. As to the counts of this group, the Examiner of Interferences stated:

> Exhibit 13 is an oscillator built by Pierce on November 15, 1923, for lecturing purposes and is substantially the same construction as Exhibit 8. It is Dow's testimony that in the fall of 1923 in using Exhibits 8 and 13 he connected the crystal between the grid and plate of the vacuum tube for shorter wave length oscillations and between the grid and filament for longer wave length oscillations. As pointed out in the court decision, Pierce at a conference on October 20, 1923, disclosed this connection to Cady and Eastham.
>
> With the crystal connected between grid and filament, Exhibits 8 and 13 embodied the invention defined in the counts of group III (counts 3, 8, 11 and 13 to 15). With the crystal between the grid and filament and the coil in the plate circuit adjusted for oscillation, and oscillating as stated by the witnesses, the coil was inherently resonant at a higher frequency than that of the crystal and was inductively reactive at the crystal frequency.

As to the counts of this group, the Examiner of Interferences held that Pierce was the first to conceive and was thereafter diligent from the time that Miller claims to have entered the field up to the time of filing the Pierce application. The Board affirmed the Examiner in this respect.

Much has been said by the parties to this interference, as well as by the tribunals which passed upon the questions involved, about "rough" and "fine" tuning. For instance, Judge Nields had this to say:

> • • • Prof. Pierce provided the means for and utilized "rough" tuning of that circuit, i. e. a step-by-step tuning. The only difference between his plate circuit so used and the circuit of Fig. 2 of the patent in suit is that the method of tuning employed by Prof. Pierce was "rough", whereas the method indicated in the patent in suit is "fine". "Rough" tuning and "fine" tuning merely express differences in the method of arriving at the desired tuned condition of the plate circuit. This condition is the same whether secured by "rough" tuning or "fine" tuning. The difference between these two circuits is, at most, merely one of degree and not in any sense one of substance.

Appellant on this subject says that it is absurd to designate Pierce's tuning as "rough tuning" in contrast with "fine tuning" and argues that the roughness is so great as to eliminate the device as any tuning means whatever.

We are in agreement with the views of the Board which are to the effect that the difference between rough tuning and fine tuning is merely one of degree. Unquestionably the record in the instant case which has been so thoroughly examined and reviewed by the Patent Office tribunals and the two Federal courts discloses that Pierce was in possession of the invention of the involved counts long before Miller is shown to have made use of the elements of the counts. We are impressed with the logical findings of Judge Nields as well as the reasoning of the appellate court. In the opinion of the circuit court of appeals it is pointed out that notwithstanding Miller's claim that he made the invention in November, 1923, it was significant that he never applied for a patent until twenty-one months later and then only after he had sought a conference with Pierce, having read or studied the article which Pierce wrote and published in a scientific journal. Judge Nields points out that Miller, instead of being possessed of the invention at the time he visited Pierce, stated in a letter to the latter that he wanted to talk to him for the purpose of obtaining some "pointers" on crystal oscillators. The fact that Miller waited so long to file his application and sought information from Pierce concerning the subject matter here involved is hardly in harmony with the theory that he, Miller, was in possession of the invention at the time he alleges he was.

The burden is a heavy one upon Miller in this appeal. There has been a concurrence not only of the Patent Office tribunals but of the courts, as is hereinbefore stated, in the finding that Miller was not the first inventor, and we do not think it necessary to exhaustively discuss and again review the many facts found in the record.

The Board in concluding its decision had this to say:

> Our conclusion is that Pierce was undoubtedly the first to conceive the subject matter of all the counts in issue and that as to part of them he was the first to reduce to practice and as to the others, he was diligent during the period when Miller alleges he entered the field up to the date when he filed his application disclosing the invention of all the counts. • • •

The decisions of the Examiner of Interferences and the Board indicate that it was their view that Pierce had fully conceived and reduced to practice the invention expressed in all the counts prior to Miller's entering the field, but in an abundance of caution both tribunals have found very definitely that Pierce was the first to conceive as to all the counts and that as to those of group III it is certain that he was diligent from the time Miller entered the field until he, Pierce, filed his application.

We are in agreement with the decision appealed from awarding priority of the subject matter of the invention of the counts involved to the senior party Pierce. The appeal is dismissed as to counts 10 and 12 and the decision of the Board of Appeals as to the remaining counts is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

URFER *v.* KOLLSMAN

No. 3,972. Decided June 6, 1938

[97 F.(2d) 82]

INTERFERENCE—PRIORITY.

Record reviewed and *Held* that the junior party U. was the first to conceive the invention and that he was diligent in reducing it to practice, and priority should have been awarded to him.

APPEAL from Patent Office. Reversed.

LENROOT, *J.*, dissenting.

Messrs. McConkey and *Smith* and *Mr. Stephen Cerstvik* (*Mr. F. Bascom Smith* of counsel) for Urfer.

Mr. Leonard Day for Kollsman.

BLAND, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office, affirming that of the Examiner of Interferences in awarding priority of invention of the subject matter of three counts of an interference to the senior party Kollsman.

The counts originated as claims in the Urfer application, which was assigned to the Bendix Aviation Corporation, filed April 6, 1932, and were copied by Kollsman into an application filed October 27, 1932, for reissue of his Patent No. 1,857,311, the original application for which was filed December 10, 1931. Urfer, being the junior party by approximately four months, was required to prove his case by a preponderance of the evidence.

The three counts involved follow:

> 1. An altimeter including a pressure-sensitive element, movable pointers operated by said element in different ratios, rotatable dials cooperating with said pointers for indicating action, stationary reference means cooperating with the dials for indicating a predetermined condition, and means for rotating said dials with respect to said pointers and reference means for setting the altimeter for the predetermined condition.
>
> 2. An altimeter including a pressure-responsive element, a plurality of pointers operated by said element, rotatable dials for the respective pointers, reference means for the respective dials, separate scales on each of said dials, one of the scales on each dial cooperating with its respective pointer for indicating action, another of the scales on each of said dials cooperating with the reference means for setting, and means for rotating said dials in different ratios with respect to said pointers and reference means to set the altimeter for a predetermined condition.
>
> 3. An indicating instrument including an actuating device, movable pointers operated by said device in different ratios, rotatable dials rotatable with respect to said pointers, stationary reference means cooperating with the dials for indicating a predetermined condition for which the instrument is adapted to be set, and means for rotating said dials with respect to said pointers and reference means for setting the instrument for the predetermined condition so that the reference means indicate the predetermined condition and so that such a relation is established between the pointers and the dials that the pointers will produce a desired indication when the predetermined condition occurs.

The subject matter of the interference is an indicator especially useful as an altimeter having a pressure-sensitive element with movable pointers operated by said element in different ratios. The subject matter in issue may be considered practically a reversal of the operation of the Kollsman indicator shown in his Patent No. 1,741,702 as far as the preliminary setting is concerned. In that patent is described means for initially positioning certain reference marks related to two different scales respectively in order to indicate to one in an airship in which the altimeter is positioned, his proximity to a landing field distant from the field from which the airship has started. In the interference issue, instead of moving the reference marks in reference to fixed scales, they remain stationary and the dials on which the scale markings are placed move relative to the reference marks. Counts 1 and 2 in issue each call for an altimeter in the introductory clause, the instrument being provided with the pointers, dials, reference means and rotating means for the dials referred to above, count 2 differing from counts 1 and 3 in that it requires two scales on each dial. Count 3 is similar to count 1 except that it calls for an "indicating instrument" instead of an "altimeter" as does count 1. Count 3 calls broadly for all the elements contained in count 1.

Both parties took testimony. The Examiner of Interferences held, and the Board affirmed his holding for substantially the same reasons, that the Kollsman proof established a conception of the invention in 1930, prior to the earliest date alleged by Urfer, and restricted Kollsman to his filing date, December 10, 1931, for reduction to practice. The proof of Kollsman relating to his conception of the invention will be discussed hereinafter.

Urfer alleged in his preliminary statement a conception date in July, 1931. In support of this date a blueprint, Exhibit 1, and a letter, Exhibit 2, from Urfer to one Cerstvik, his attorney, were offered in evidence. This letter was dated July 13, 1931. Upon receipt of the letter and blueprint from Urfer, Cerstvik on July 28, 1931, wrote a letter, Exhibit 3, to Urfer and asked for a detailed description of the construction and operation of the structure shown by the exhibits. On July 29, 1931, Urfer wrote to Certsvik a letter, Exhibit 4, setting forth the construction and operation of the mechanism shown in Exhibit 1. The blueprint was made from a drawing executed by one Ashton, a designer for the Pioneer

Instrument Company. Urfer introduced a number of other exhibits bearing on the invention.

Urfer's Exhibit A was not introduced in evidence. Urfer's attorney stated upon the record that Exhibit A consisted of working drawings and that they were not introduced in evidence because—

"we do not wish to have copies of working drawings in the hands of a competitor. They have been made available here at this hearing and can be inspected further by Mr. Day [Kollsman's counsel] if he wishes."

This exhibit was referred to by Urfer and three of his witnesses and their testimony is to the effect that these working drawings, and the altimeter made in accordance therewith and sent to Wright Field in November, 1931, to be tested by the Army, contained or disclosed the elements of all the counts of this interference. It was definitely stated that Exhibit A and the altimeter made in accordance therewith showed two scales on each dial. Considerable controversy arises over the consideration of this exhibit and the Examiner of Interferences ruled that since it was not introduced in evidence no consideration could be given the testimony which depended on this exhibit. The Board took a view somewhat different from that of the Examiner with reference to this exhibit and said:

• • • However, we note the holding of the Examiner as to Exhibit A. Inasmuch as one of the witnesses testified that an instrument was sent by Urfer's assignee to the Wright field for test, built in accordance with Exhibit A, we consider the excuse for failure to offer Exhibit A in evidence insufficient. Appellant urges that Exhibit A shows production drawings for their instrument and he is averse to presenting his opponent with such drawings. Inasmuch as the instruments sent to the Wright field are not in evidence and the descriptions of these instruments were given by witnesses some years after they were tested, we believe the normal course would have been to introduce this exhibit in the record, if pertinent. The failure to introduce this exhibit might even tend to the assumption that the exhibit does not disclose an instrument coming within the issue of this interference. But Kollsman's attorney had access to these drawings and did not raise this question.

It is claimed by Urfer that an instrument built in accordance with Exhibit 1, except that the dials were eccentric and not concentric, was sent by Urfer's assignee to Wright Field, Dayton, Ohio, for a test by the Army in September, 1931. This first instrument was provided with two eccentric and adjustable dials, two pointers, two fixed reference marks, and a single scale on each dial, together with adjusting means for the dials, as called for by counts 1 and 3. Appellant admits that this instrument did not embody a plurality of scales on each dial as required by count 2. There is no question but that the instrument was tested by the Army. The altimeter was returned from Wright Field for the reason that it was inaccurate at high altitudes. Soon thereafter, in November, 1931, a second instrument was constructed and sent to Wright Field. We think the record shows that this instrument corresponded to the counts involved. No report from those who tested it for the Army as to whether it was satisfactory or not has been introduced into the record. At any rate it was not accepted by the Army, and Urfer offers as an excuse for its not being accepted that some sealing compound or cement on the inside of the mechanism had worked loose and gotten into the gear train which stopped the same from working properly at a certain altitude.

We are of the opinion that Urfer has proved a conception date for counts 1 and 3 as early as July, 1931, and of count 2, which calls for two scales on each dial, as early as November, 1931, when he sent the second altimeter to Wright Field. After carefully reviewing Urfer's record, we think it does not establish a reduction to practice by him until his filing date of April 6, 1932.

We will next consider Kollsman's case. Kollsman filed his original application which discloses the invention of the counts on December 10, 1931. He does not rely upon this date for a conception but relies upon it only for reduction to practice, and the tribunals below accorded him this date for reduction to practice. Under the above statement of facts, unless Kollsman has proved a conception date prior to that of Urfer, or unless it is disclosed that Urfer was not diligent from immediately prior to the entrance of Kollsman into the field until the date Urfer filed his application, priority, upon the instant record, should be awarded to Urfer.

Kollsman offered the testimony of three witnesses, including himself. He depended entirely upon oral testimony to prove his alleged date of conception. He introduced as exhibits copies of three prior patents, and the testimony was taken approximately five years after the alleged events relied upon for proof of conception. Kollsman testified that he stated to his attorney, Schumacher, in the presence of his employee, Angst, that it was possible to move the scale instead of moving the reference marks and that it would be unnecessary to rotate the pointers for the setting action. It is pointed out by Kollsman that the variation in the construction defined by the counts over that disclosed in the Kollsman patent is not great, and it was thought by the Board that men skilled in this field would, during the preparation of the Kollsman patent applications, have discussed such a modification. Schumacher and Angst both testified that Kollsman mentioned the foregoing facts to Schumacher. The testimony of all three of these witnesses is so indefinite and uncertain that we do not believe it satisfactorily proves a date of conception of the structure defined by the counts at bar.

Kollsman set out in his preliminary statement that he had records available showing that he made drawings of the invention involved herein in 1929, and yet no sketch was introduced. Kollsman testified that he was not sure that his talk with Schumacher and Angst was in 1928 or 1929. He had no way of fixing the date and he definitely stated that he did not remember any specific date.

Schumacher was also equally indefinite. When questioned specifically as to how the scales were to be constructed, he replied: "Mr. Kollsman took a very broad and general attitude as to scales", although he had previously stated that Kollsman did not tell him "anything about how the scales should be on the two movable dials". As illustrative of the nature of Schumacher's testimony we quote the following: "I recall no date; except that it was prior to the filing of the first reissue [December 22, 1930]." Later he testified:

XQ. 49. That is a very long time ago, is it not, Mr. Schumacher? A. I realize that.

XQ. 50. Is it not true that a man's memory gets pretty defective after a year or two? I know mine always does. A. I fully agree with you.

XQ. 51. You have handled several altimeter cases for Mr. Kollsman, have you not? A. yes; and the work in connection with these reissues was always very strenuous and done under considerable pressure.

XQ. 52. You have handled several reissues for him, have you not? A. Yes, sir.

Angst, an employee of Kollsman, was asked:

Q. 27. When did you first hear about moving two dials in setting in ratio of the motion of the two pointers?

He answered:

A. Well, at the very beginning. As late as 1928 or early 1929, when we first started to work on sensitive altimeters.

In explaining why no sketches were introduced, Angst gave the following testimony:

R.D.Q. 65. Mr. Angst, you were asked by Mr. Smith about some sketches. You said you did not have them with you. Please explain what became of these sketches and how they were made. A. Oh, those sketches were made on the impulse of the moment, at the very moment. We never made a record of them, nor did we keep complete ones, because we did not have the time to do it. We tore them up. Some of those sketches were made at home, on magazine covers or just paper which was handy.

R.D.Q. 66. You are referring, now, to the sketches of the two movable dials; is that right? A. Yes; all the sketches that we made at that time, of various designs for a sensitive altimeter.

Appellant claims that Kollsman received the invention from him, and Kollsman, in turn, contends that Urfer was spurred into patent activity by knowledge of Kollsman's reissue patents. There seems to have been opportunities for either of these things to have happened, but there is no evidence to that effect. For the reasons heretofore stated, we hold that Kollsman is not entitled to any earlier date for conception and reduction to practice than the filing date of his Patent No. 1,857,311—December 10, 1931.

Urfer, as above stated, is entitled to a conception date prior to that of Kollsman. While there is evidence that devices responsive to the counts had been given tests in the laboratory and in an elevator, there is no satisfactory evidence that any successful device had been constructed by Urfer prior to his filing date. In view of our conclusion that Urfer was first to conceive and was diligent in reducing his invention to practice, it is not necessary to pass upon the question as to whether or not the tests made of any Urfer device were sufficient to constitute a reduction to practice of the invention of any of the counts.

Urfer, being first to conceive, in order for him to be entitled to priority, was required to show that he was diligent from just prior to the time that Kollsman entered the field on December 10, 1931, to his own filing date—April 6, 1932. We think that the record sufficiently shows that Urfer's activities, immediately prior to the entrance of Kollsman into the field, and from that period until April 6, 1932 (Urfer's filing date), were such as to show diligence towards perfecting the invention and filing an application for patent for the same. During this period he was interested in the Army tests as is above set out. Kollsman has not here contended that Urfer was not diligent during the critical period.

We therefore hold that the Board of Appeals was in error in affirming the decision of the Examiner of Interferences in awarding priority to Kollsman. Priority should have been awarded to Urfer and the decision of the Board of Appeals is reversed.

Reversed.

LENROOT, *J.*, dissents.

U. S. Court of Customs and Patent Appeals

HOZA
v.
COLBY

No. 3,988. Decided June 6, 1938

[97 F.(2d) 89]

INTERFERENCE—PRIORITY.

Record reviewed and *Held* as to those counts directed to a radio tube utilizing the pertused metal in controversy that the activities of the junior party H. amounted to nothing more than an abandoned experiment, that he had not completed his invention and that priority was properly awarded the senior party C.; but as to those counts which call for nothing more than a pertused metal sheet *Held* priority should have been awarded the junior party H. who had the metal responding to the counts constructed for him by another long before the senior party C. entered the field.

APPEAL from Patent Office. Modified

Messrs. Bartlett, Eyre, Scott & Keel and *Mr. Lucius B. Weymouth* (*Mr. Lee B. Kemon* and *Mr. Richard Eyre* of counsel) for Hoza.

Mr. Harry B. Rook for Colby.

BLAND, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office, affirming that of the Examiner of Interferences in awarding priority of invention to the senior party Colby in four counts of an interference. Hoza's application was filed February 20, 1933. Colby's application, Serial No. 656,355, was filed February 11, 1933, and is a division of his parent application, Serial No. 473,730, filed August 7, 1930.

Four counts are involved of which counts 1 and 4 are sufficiently illustrative and read:

1. A pertused metal sheet comprising a thin flexible sheet of ductile metal of a thickness of the order of foil having a plurality of rectangular faced pertusions of a number of the order of at least several hundred per square inch and so spaced that the aggregate face areas of said pertusions is substantially greater than the aggregate face areas of the portions of the sheet between the pertusions, each pertusion having a wall at each side thereof projecting integrally and angularly from one side of the sheet.

4. An electrode for electronic tubes comprising a sheet of metal of a thickness of the order of foil having pertusions of a number of the order of several hundred per square inch and each pertusion having side walls formed of the metal displaced to form the pertusions projecting integrally and angularly from one side of the sheet, the other side of the sheet being substantially smooth.

The subject matter of counts 1 and 2 relates to a pertused metal sheet. This sheet is described in the decision of the Examiner of Interferences as follows:

• • • More particularly, the subject matter relates to a thin metal sheet of ductile material of a thickness of the order of foil. Rectangular pertusions of the order of several hundred per square inch are struck from the face of the foil and the aggregate face areas of the pertusions is greater than the aggregate area of the portions

between the pertusions. Each pertusion has a wall at each side thereof projecting integrally and angularly from the side of the sheet. * * *

Counts 3 and 4 are drawn to cover an electrode for electronic tubes made from the metal above described.

Prior to the invention involved in this appeal, wire mesh or a solid sheet of metal was used for making the anode or plate of a radio tube. Certain objections to the use of these materials were overcome, one of which was the difficulty in removing the heat from the electrode. Hoza conceived the notion of using in a radio tube a thin metal strip with apertures to take the place of the solid metal or woven wire.

In 1928, while Hoza was experimenting with perforated strips, he had the Edison Storage Battery Company make for him certain perforated strips on their standard rollers. These perforated strips were pertused, that is to say, the strips had been punctured without removal of any portion of the metal. There were not as many holes in these strips per square inch as were in other strips, used later, but they or pieces cut from them were introduced into the record as Exhibit 1 and respond to the terms of counts 1 and 2. This was long before Colby entered the field.

Hoza obtained a patent, 1,975,721, dated October 2, 1934, on an application filed July 26, 1929, for a radio tube having a clean-cut perforated anode or plate to be used in place of the theretofore known solid sheet anode or wire mesh anode.

The testimony is summed up so succinctly and accurately by the Board that we will quote at some length from its decision. The quotation also embraces certain comments and holdings by the Board relating to said testimony. It is as follows:

As corroborative of the making of these pertused sheets as disclosed in Exhibit 1, the witnesses Bash and Allen, among others, have been produced. Bash identified the three sheets of perforated sheet metal, constituting Hoza Exhibit 1, as of the same character as those he had seen about the first of December, 1928, in Mr. Hoza's office, which he said were to be used in place of nickel wire mesh in radio tubes. The witness Allen states, in substance, beginning with Q. 19, that he recognized the three specimens of perforated metal strips, constituting Hoza Exhibit 1, as like materials that he had seen for the first time in the early part of 1929 when Mr. Bash of the Driver-Harris Company handed him several feet as a sample. Allen testified that he made up several tubes, probably not more than 12, from this material, that all characteristics were read on the tubes in the laboratory and several placed on life tests. Asked in Q. 30 what was the result of the life test on receiving tubes having their shields made of material like Hoza Exhibit 1, he stated that they compared favorably with the regular product. Allen stated, in answer to Q. 63 in substance, that two of the tubes which he had made up of this material like Exhibit 1 were taken home for trial in his own radio receiving set, that he actually used those tubes in his set and that they were quite satisfactory.

Hoza appeared to be anxious, according to the testimony, to introduce this material into use and had Mr. Bash present it to various organizations making tubes, but there seemed to have developed some difficulty about the projecting portions on the plates. Bash stated in his testimony that shortly after first discussing the matter with Hoza he went to the Westinghouse Lamp Company and that Mr. Donovan of the lamp company felt that the material could not readily be handled in their forming dies as he thought it was too thick and that the dies might close up the holes. Bash stated that he took up the matter with Hoza and that as a result Hoza suggested that he could perforate the strip in another manner with so-called clean-cut perforations with no appreciable burr on the side. Bash stated that Hoza made these clean-cut perforated strips, as illustrated in his Exhibit 5 and, according to the testimony, it appears obvious that these clean-cut strips were put into use for making tubes and Hoza secured a patent, No. 1,975,721, for this clean-cut perforated strip for use in radio tubes.

The testimony appears to us to sufficiently corroborate this course of procedure and development on the part of Hoza at the times indicated, but Hoza apparently laid aside his sheet with the burrs and there is no indication he did anything with it prior to 1932. On page 25 of Hoza's brief it is stated in substance, that the clean-cut perforated strip, according to Exhibit 5, while more expensive to manufacture than the pertused strip was easier to fabricate into electrodes and that they adopted that material in 1929 when the DeForest Company was operating at capacity, but that when business fell off during the depression and the tube manufacturers wanted cheaper material, some of the manufacturers adopted the pertused material in place of that of Exhibit 5. * * *

* * * * * * *

It is the Examiner's conclusion that the use of pertused material in making a small number of tubes in February, 1929, by Hoza was no more than an abandoned experiment. He points out that Hoza did nothing further with the material corresponding to the counts of the interference for a period of approximately three and one-half years and that during this period another form was adopted and an application for a patent filed.

Among the decisions referred to by the Examiner, is the case of *Browne* v. *Ludlow*, C. D. 1870, page 16. In this case it was pointed out by the Commissioner of Patents that as between two independent inventors, he who first perfects the invention is entitled to the patent, and it cannot avail the other to go back to crude experiments falling short of the complete invention, especially when such experiments resulted at the time in the adoption of another device and in throwing aside a form more nearly approaching the one in controversy.

It is considered significant that Hoza, after producing his pertused sheet form and after some objections to it in radio tubes, laid aside the form more nearly approaching the one here in contest and adopted the clean-cut perforated strip in its stead. The fact that Mr. Hart, who was the contact man for Hoza with the patent attorney did not consider it necessary to go to the expense of filing a separate application on electrodes made of material like Exhibit 1 and in view of the further fact that nothing was done about filing an application until they were notified of infringement of counts 1 and 2 by their use of this material, we are constrained to hold that Hoza's action in discarding the pertused form like Exhibit 1 for a different form and his long delay in filing an application until stirred into action by another party in the field does not entitle him to prevail against one who has in the interim developed and brought to fruition the form of device which had been discarded by the party Hoza.

As above indicated, the record clearly shows that after the material responding to counts 1 and 2 was produced, Hoza's experiments and the experiments he and his associates caused others to make in using the pertused metal in radio tubes were not regarded as successful. The record clearly shows that the metal, as such, had other well-known uses prior to these experiments for such purposes as catalyzer screens and in storage batteries.

As we understand the position of appellant, it is that as to all the counts involved he had completely perfected his invention prior to the entrance of Colby into the field; that as to counts 3 and 4 the record shows that at least twelve tubes were made by Victor O. Allen, assistant chief engineer of the DeForest Radio Company, and tested; that the tests showed these tubes to compare favorably with the regular product and that Allen himself used two of the tubes in his home radio quite satisfactorily.

Allen B. DuMont, chief engineer of the DeForest Radio Company, and John S. Byrne, a radio tube engineer for that company, also testified on the question of Allen's having made and tested the said tubes. DuMont stated in substance that he saw the tubes, constructed from material like Exhibit 1, which Allen had made and that he saw them given "life tests"; that these tests were given to determine defects in the tubes and that these tests were satisfactory.

Byrne stated that he saw the tubes but did not see the pertused metal of the tubes before it was placed in the tubes, but from his examination of it, in the tube, he was of the opinion that it was pertused metal like Exhibit 1 and that he did not see any tests made of the tubes.

Within two weeks of the time the metal like Exhibit 1 was submitted to Allen, metal like Exhibit 5 with clean-cut perforations was submitted for experimentation and nothing further was done with the pertused material.

Hoza was not a radio tube manufacturer and it appears definitely in the record that those engaged in the manufacture of such tubes, who at his request attempted to use the pertused material, found serious objection to the same; that material like Hoza's Exhibit 5, which had clean-cut perforations, was used instead; that commercial production was based upon the latter and that Hoza, after experimenting with the pertused metal, applied for and secured the patent above referred to for a radio tube which utilized the clean-cut perforated material.

As found by the tribunals below, nothing further was done by Hoza with the pertused material until June, 1932, approximately three and a half years after his alleged reduction to practice and after he had been notified by Colby's assignee that the pertused material which he then was making and offering for sale was covered by allowed claims in the Colby application.

Upon the foregoing facts the tribunals below have concurred in holding that as to all the counts Hoza's activities amounted to nothing more than an abandoned experiment and that it could not be held that he had completed his invention. We are in agreement with the conclusion reached by the tribunals as to counts 3 and 4. Unquestionably the record shows that as between the two parties to this interference Colby was the first inventor of a radio tube utilizing the pertused metal in controversy.

None of the tubes constructed for Hoza by Allen or any record relating to the tests were introduced in evidence. The weakness of the testimony as to the construction and tests of the tubes, together with the subsequent happenings, confirm the view that whatever experiments were made with pertused material were not regarded by Hoza and his associates as proving the utility and practicability of using the said pertused material in radio tubes, and that Hoza's said activities were properly regarded by the tribunals as amounting to nothing more than an abandoned experiment.

As to counts 1 and 2, which call for nothing more than a pertused metal sheet, we find ourselves in disagreement with the conclusion reached by the tribunals below. Colby's earliest alleged date is July 9, 1929. Hoza had the metal responding to the counts constructed for him by another long before this date—in December, 1928. Whether he was the inventor of it as between himself and a third party is not a matter of concern here. Certainly Colby cannot assert his prior possession of the invention as to the metal in the face of the fact that his adversary in this proceeding had possession of the same long before Colby entered the field. Colby argues, and the Board found, that Hoza's activities in connection with the metal amounted only to an abandoned experiment; that, therefore, it must be held as to counts 1 and 2 that there was no reduction to practice and that the abandoned experiment doctrine applies to these counts as well as to counts 3 and 4. It must be remembered that counts 1 and 2 are drawn broadly to a pertused metal sheet which admittedly has several uses and that reduction to practice of the invention of the metal sheets does not require a successful production of a radio tube from the metal. The mere fact that Hoza did not utilize pertused metal for any other purpose than the making of a radio tube would be no justification for holding that if he was the inventor of the metal he had abandoned the invention involved in the same. The so-called doctrine of abandoned experiment does not apply where there has been a reduction to practice. *Brogden et al.* v. *Henry*, 21 C. C. P. A. (Patents) 1043, 69 F.(2d) 978, 447 O. G. 8; *Altorfer et al.* v. *Haag*, 22 C. C. P. A. (Patents) 806, 74 F.(2d) 129, 454 O. G. 285. There being no concealment, the doctrine akin to equitable estoppel announced in *Mason* v. *Hepburn*, 13 App. D. C. 86, 84 O. G. 147, and in many other decisions, does not apply.

Nothing said in this decision is to be taken as suggesting that any of the counts are patentable to anyone. Priority is the only question here involved, and, under our well-defined jurisdiction, we are confined, upon the instant record, to this question as between the parties to this proceeding.

We hold that the Board was in error in affirming the Examiner of Interference's award of priority to the senior party as to counts 1 and 2, which should have been awarded to the junior party Hoza. The decision of the Board of Appeals is reversed as to counts 1 and 2, and affirmed as to counts 3 and 4.

Modified.

U. S. Court of Customs and Patent Appeals

PELZER
v.
WEAVER

No. 3,979. Decided June 6, 1938

[97 F.(2d) 166]

1. INTERFERENCE—INTERPRETATION OF COUNTS.
"It is well settled that generally counts in an interference should be given the broadest interpretation their language will reasonably permit. However, expressly defined limitations can not be ignored, and, in the event the language of the counts is susceptible of more than one construction, the meaning to be given it must be that disclosed in the application or patent in which the counts originated."

2. SAME—PRIORITY.
Record reviewed and *Held* that the process conceived and reduced to practice by the junior party P prior to the filing date of the senior party W who submitted no testimony does not conform to the invention defined in the appealed count, and that priority was properly awarded to W.

APPEAL from Patent Office. Affirmed.

Messrs. Pennie, Davis, Marvin & Edmonds (*Mr. Daniel V. Mahoney, Mr. Louis D. Forward, Mr.*

Clarence M. Fisher and *Mr. Raymond F. Adams* of counsel) for Pelzer.

Mr. Thomas E. Scofield (*Mr. H. L. Shenier* of counsel) for Weaver.

HATFIELD, *J.*:

This is an appeal in an interference proceeding from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner of Interferences awarding priority of invention of the subject matter defined in the single count in issue to Joseph B. Weaver, appellee.

The invention relates to a process of heating oil by means of furnace gases, as set forth in the count in issue which reads as follows:

A method of heating oil which comprises establishing a stream of furnace gases in heat exchange with surfaces in contact with said oil, removing the furnace gases from contact with said surfaces and recirculating withdrawn furnace gases to a plurality of places along said stream to modify the temperature of said stream at a plurality of separated points relative to its passage in contact with said surfaces.

The interference is between appellant's application No. 441,649, filed April 4, 1930, and appellee's Patent No. 1,936,699, issued November 28, 1933, on an application, No. 142,420, filed October 18, 1926.

The count in issue originated in the Weaver patent.

Appellant is the junior party, and the burden was upon him to establish priority of invention by a preponderance of the evidence.

Appellee submitted no testimony, and is, therefore, restricted to his filing date, October 18, 1926, for conception and constructive reduction to practice.

Appellant submitted considerable evidence for the purpose of establishing that he conceived and reduced the invention to practice prior to appellee's filing date.

It is conceded by counsel for appellee that appellant—

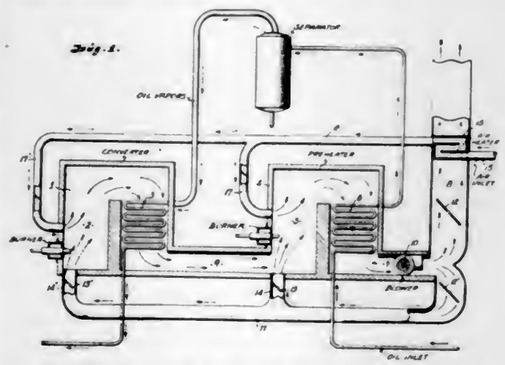
"took testimony and showed that an operation was practiced at a pilot plant in East Chicago, and in the Houston refinery stills Nos. 141 and 142. The subject-matter of this operation is shown in Pelzer's application, Serial No. 198,621, filed June 13, 1927, and if this operation reads upon the count of the interference, then priority of the subject-matter should be awarded to Pelzer, since this operation appears to have been practiced at least as early as June, 1926";

and that the process practiced by appellant as early as June, 1926, is fully disclosed in Fig. 1B of his application No. 198,621, filed June 13, 1927. (That application is not in this interference, and is referred to only because Fig. 1B therein discloses the process practiced by appellant in 1926).

The sole issue in the case is whether the process practiced by appellant as early as June, 1926, and which is disclosed in Fig. 1B conforms to the invention defined in the appealed count. If it does, appellant is entitled to an award of priority and the decision of the Board of Appeals should be reversed. If it does not, appellee is entitled to an award of priority and the decision of the Board of Appeals should be affirmed. The determination of that issue requires an interpretation of the language of the involved count.

[1] It is well settled that generally counts in an interference should be given the broadest interpretation their language will reasonably permit. However, expressly defined limitations can not be ignored, and, in the event the language of the counts is susceptible of more than one construction, the meaning to be given it must be that disclosed in the application or patent in which the counts originated. *Ernest M. Brogden* v. *Henry B. Slater*, 70 C. C. P. A. (Patents) 1240, 40 F.(2d) 988, 399 O. G. 630; *In re Alexander M. Nicolson*, 18 C. C. P. A. (Patents) 1468, 49 F.(2d) 961, 412 O. G. 838; *Neumair* v. *Malocsay*, 22 C. C. P. A. (Patents) 1349, 77 F.(2d) 622, 461 O. G. 733; *Hausman* v. *Hochman*, 23 C. C. P. A. (Patents) 1162, 83 F.(2d) 703, 472 O. G. 496.

Appellee's apparatus and process are clearly disclosed in his patent drawings, which, for the purpose of clarity, we reproduce.



Appellee's process and apparatus are described in his patent as follows:

Describing in detail the particular embodiment illustrated in the drawing, 1 represents diagrammatically a convertor, which may be one of many types suitable for treating hydrocarbon oils in the vapor phase. In this convertor, 2 designates the combustion chamber and 3 the heating elements through which the products of combustion from the combustion chamber 2 pass.

* * * * * * * *

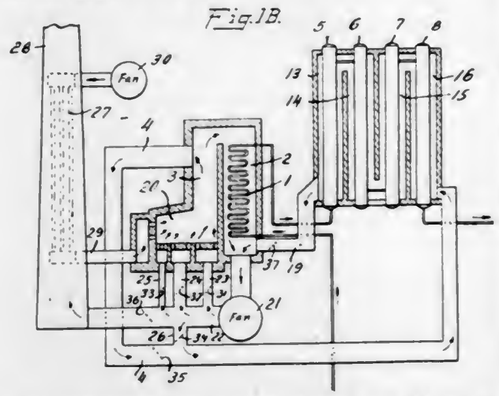
4 represents a suitable preheater or vaporizer in which the products of combustion from the combustion chamber 5 pass through the heating element 6. The preheated oil is then vaporized and subjected to the converting action in the convertor 1 by any suitable piping arrangement and the excess products of combustion pass through the flue 7 to the stack 8.

* * * * * * * *

Referring again to the diagrammatic drawing, it is to be noted that the convertor 1 at its outlet end in place of being connected to a stack, is connected by a flue 9 to the combustion chamber of the preheater or vaporizer, and a suitable fan or other draft means 10 is located in the flue 7 so that any desired velocity through the convertor and the preheater can be maintained. The flue 7 not only has a connection to the stack 8, but it also has a connection to a return flue 11 for recirculating the waste gases or products of combustion. The amount of waste gases that go to the stack 8 or to the return flue 11 can be governed by the dampers 12 and 12'. Also the waste gases which pass through the return flue 11 can be divided between the convertor 1 and the vaporizer 4 by means of the dampers 13 and 13' located in the passages 14 and 14' respectively.

It will be observed that appellee's patent discloses a single stream of heating gases which passes through the combustion chamber 2, over the heating coil 3, through the flue 9, into the combustion chamber 5 and over the heating coil 6 where it is removed at 7, recirculated for tempering purposes by the blower 10 through flue 11 and passages 14 and 14' into the combustion chambers 2 and 5.

Fig. 1B of appellant's application No. 198,621, which discloses the process successfully performed by appellant in 1926, is herewith reproduced.



In describing the process carried out by means of his structure, appellant stated in his application No. 198,621 that—

The heating conduit 1 may comprise a tube or a bank of tubes through which the stock passes but once. This heating conduit is arranged in a furnace structure comprising a firebox 20, a heating flue 2 and an uptake flue 3 connecting the firebox with the upper end of the heating flue 2. *Branch flue 4 communicating with the upper end of the uptake flue 3 is arranged for conducting heating gases from the uptake flue to the heating flues 13, 14, 15, and 16 in which the drums 5, 6, 7, and 8 are arranged.* Heating gases escape from the heating flues 13, 14, 15, and 16 through the heating flue 2. The flow of heating gases through the heating flues 13, 14, 15, and 16 may be concurrent with the flow of oil vapors through the drums 5, 6, 7, and 8, as in the apparatus illustrated in Fig. 1A, or may be countercurrent, as in the apparatus illustrated in Fig. 1B.

* * * * * * * *

A circulating fan 21 is arranged for withdrawing heating gases from the lower end of the heating flue 2 and from the heating flues surrounding the drums 5, 6, 7, and 8 through flue 19 and for supplying these relatively cool heating gases to the main 22. Branch flues 23, 24, and 25 are arranged to permit discharge from the main 22 into the firebox 20 through suitably arranged openings of part of the relatively cool heating gases for tempering the hot products of combustion from the firebox before the mixture of heating gases contacts with surfaces through which heat is transferred to oil or oil vapors and for protecting the refactory linings of the firebox and the uptake flue. *Branch flue 26 is arranged to permit discharge from the main 22 into the flue 4 of part of the relatively cool heating gases discharged by fan 21 for tempering or further tempering the heating gases supplied to the heating flues 13, 14, 15, and 16 in which the drums 5, 6, 7, and 8 are arranged.* Heating gases not discharged through flues 23, 24, 25, and 26 are discharged through the heat exchanges 27, which may be arranged in a stack 28, for preheating air supplied to the firebox 20 for combustion of fuel therein. [Italics ours.]

It further appears from Fig. 1B that the gases in the uptake flue 3 are divided; one stream, as hereinbefore noted, passing through branch flue 4, and the other stream passing from the uptake flue 3 downwardly through heating flue 2, over the heating conduit 1, into the bottom of flue 2 where it unites with a stream of gases coming from flue 19. The combined gases are then withdrawn by fan 21, and passed into main 22. Some of the recirculated gases pass from main 22 through flue 26 into branch flue 4 and temper the gases which pass through flues 13, 14, 15, and 16 to heat the oil in drums 5, 6, 7, and 8, and some pass through flues 23, 24, and 25 into the firebox 20 and temper the hot gases therein. The recirculated gases which do not pass from the main 22 through flues 23, 24, 25, and 26 are discharged into the heat exchange 27.

It is clear from what has been said regarding appellant's drawing, Fig. 1B, that appellant contemplated a system comprising two streams of gases; one passing through branch flue 4 into flues 13, 14, 15, and 16 to heat the oil in drums 5, 6, 7, and 8, and the other passing from the uptake flue 3 through flue 2 to heat the oil in the conduit 1. Appellant further contemplated that the gases from the two streams should be brought together in the bottom of flue 2 and recirculated by means of the fan 21 into the main 22, and through the flues 23, 24, 25, and 26 for the purpose of tempering the gases in firebox 20 and also those passing through branch flue 4.

It is true that some of the gases in the stream passing through the flue 2 over the conduit 1 might pass through the flue 26 into the branch flue 4, and that a part of the gases from the second stream supplied by the branch flue 4 to the heating flues 13, 14, 15, and 16 might pass through the flues 23, 24, and 25 into the firebox 20. In each instance, however, those gases are recirculated for tempering purposes.

The tribunals of the Patent Office concurred in holding that, as the count originated in appellee's patent and as the patent describes a single-stream process (a single stream of heating gases passing over both heating coils 3 and 6, some of which are recirculated through the flue 11 and passages 14 and 14' into fireboxes 5 and 2, respectively), the count should be construed in the light of appellee's disclosure, and should not be construed so as to cover appellant's two-stream process, disclosed in Fig. 1B.

At the time of the oral arguments in this court, counsel for appellant frankly conceded that if it was proper to construe the count as being limited to a single stream of furnace gases, the count would not read on the process conceived and reduced to practice by appellant in 1926.

The Board of Appeals stated in its decision that it appeared from appellant's Fig. 1B and from the testimony in the case that appellant's process practiced by him as early as June 1926 involved "two separate parallel main streams of gas," and that—

When two separate streams of gas are established, each stream merely contacts with one oil heating surface. The count requires "establishing *a* stream of furnace gases in heat exchange with *surfaces* in contact with said oil." From what has been stated, it is our view that this step in the count does not read on the operation of the Houston or the East Chicago plant. [Italics quoted.]

As we do not find the first step of the count present in the operation at these plants, we also therefore do not find the last step disclosed. The gases withdrawn by the fan 21 are diverted *to both of the streams established and are not recirculated to a plurality of places along a single stream.*

* * * * * * * *

The diversion of some of the gases through the passage 26 is merely an auxiliary feature for the purpose of tempering the gases in one of the main streams in conduit 4. To seize upon this auxiliary feature and hold that a single stream is established through this passage is ap-

parently improper in view of the testimony and the description in application No. 198,621, referred to above. [Italics ours.]

Counsel for appellant insist that the language of the count, "a stream of furnace gases in heat exchange with surfaces in contact with said oil," should be interpreted so as to cover appellant's two-stream process; whereas, it is argued by counsel for appellee, and each of the tribunals of the Patent Office held, that that language should be interpreted as covering a single-stream process only, such as is contemplated by the disclosure in appellee's patent; that is, the language should be interpreted as though it read "a single stream of furnace gases in heat exchange with surfaces in contact with said oil."

It will be observed that the count defines a process in which "*a stream*" of furnace gases is established in heat exchange "with surfaces in contact with said oil", and that the withdrawn furnace gases (withdrawn by means of a fan or blower) are recirculated "to a plurality of places along *said stream* to modify the temperature of *said stream* at a plurality of separated points relative *to its* passage in contact with said surfaces." [Italics ours.]

Giving the count the broadest construction its language will reasonably permit, we think it clearly contemplates but a single stream of furnace gases in heat exchange relation with more than one heating surface, and the recirculation of withdrawn furnace gases to a plurality of places along such single stream to modify the temperature of such stream at a plurality of separated points relative to its passage. However, if the language of the count is capable of any other construction, it should be considered in the light of the disclosure in appellee's patent where it originated, and, when so considered, it can have no meaning other than that which we have given it.

As we have construed the count, it is obvious that it does not read on the process disclosed in Fig. 1B, conceived and reduced to practice by appellant prior to appellee's filing date.

In view of the fact that it is agreed that appellant's Fig. 1B fully and accurately discloses the process conceived and reduced to practice by him prior to appellee's filing date, we deem it unnecessary to discuss the testimony submitted by appellant on that subject.

Counsel for appellant argue that if the count in issue does not read upon the disclosure in Fig. 1B, appellant's involved application does not disclose the invention, and that, therefore, there is no basis in fact for an interference between the involved applications of the parties.

In reply to that contention of counsel, it is sufficient to say that the question of whether appellant is entitled to make the count is not before us; however, we think it proper to observe that the precise structure disclosed in appellant's Fig. 1B is not disclosed in his involved application.

[2] The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE BRIANT

No. 3,980. Decided June 6, 1938

[96 F.(2d) 1007]

PATENTABILITY—BILGE DRAINER.

Claims relating to improvements in bilge drainers *Held* patentable.

APPEAL from Patent Office. Reversed.

Mr. Joshua R. H. Potts, Mr. Basel H. Brune and *Mr. Eugene Vincent Clarke* for Briant.

Mr. R. F. Whitehead, (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 16 and 17 in appellant's application for a patent for an alleged invention relating to improvements in bilge drainers.

Claim 16 is illustrative of the appealed claims. It reads:

16. A bilge drainer comprising a valve housing adapted to extend through the floor of a water craft, an outflow conduit connected to the valve housing and having an outflow opening in a plane substantially parallel to the axis of the valve housing, a flap valve for said opening, a Venturi tube enclosing said outflow conduit and having a waist substantially at said outflow opening and spaced radially therefrom, the end of said tube forwardly of the outlet opening being flared outwardly and the portion of the Venturi tube rearwardly of the outlet opening being flared outwardly and having a longitudinal dimension greater than the said portion of the Venturi tube forwardly of the outlet opening, said outflow conduit constituting a restriction in the forward part of the Venturi tube whereby an attenuated space is provided about the outlet opening.

The references are: Peters et al., 164,477, June 15, 1875; Edwards (British), 15,707, August 18, 1893; Hitchcock, 983,620, February 7, 1911.

A bilge drainer is used to drain water from the bilge of water craft while the craft is in motion.

Appellant's device comprises a valve housing extending through the floor of a boat, an outflow conduit connected to the valve housing, the outflow opening of which is in a plane substantially parallel to the axis of the valve housing, a flap valve for such outflow opening, and a Venturi tube enclosing the outflow conduit. The device is so constructed that the "waist" of the Venturi tube is substantially at the outflow opening of the outflow conduit. When the boat on which appellant's device is used is moving, suction in the outflow conduit is developed by a draft produced through the Venturi tube, and water is thus drawn from the bilge of the boat. When the boat ceases to move, the flap valve closes, thus preventing water from entering the bilge.

The patent to Peters et al. relates to a bilge drainer having an outflow conduit around which is mounted a Venturi tube. The device is not constructed so that the constricted portion of the Venturi tube is substantially at the outflow opening of the outflow conduit. The patentees disclose a manually operated valve for closing the outflow conduit. They do not disclose a flap valve in the outflow opening of the outflow conduit.

The patent to Edwards relates to ash ejectors, which are used for the discharge of ashes from steamships. The patentee discloses two valves similar to those in appellant's device. He does not, however, disclose the use of a Venturi tube.

The patent to Hitchcock discloses a bilge drainer having a manually operated valve and a flap valve somewhat similar to those disclosed by appellant. The patentee also discloses a "casing", conical in shape, with a full-size opening at its front, and a small opening at its rear. The Board of Appeals referred to the patentee's "casing" as a "Venturi tube", and it may be that the Board properly so designated it; however, the patentee's tube does not have a "waist", in the ordinary acceptation of that term, its constricted portion being at one end, nor is his device so constructed that the constricted portion of his "casing" is located substantially at the outflow opening of the outflow conduit as in appellant's device.

In its opinion, the Board of Appeals stated:

The patent to Hitchcock discloses an apparatus of much the same kind. It also operates by reason of suction produced by a moving stream of water through a Venturi tube. In the patent, the motive fluid passes through the center of the stream drawn from the boat hull, but this difference appears to be immaterial since each of the patents to Peters et al. and Edwards shows outlets from the boat hull as being surrounded by the stream of motor liquid. It is well known that Venturi suction devices of this type may assume many different forms and it is not seen that the structure set forth in the appealed claims possesses sufficient merit to warrant their allowance even if amended in the manner set forth in the Examiner's statement.

It is obvious that, although all of its elements are old, appellant's device differs from each of the structures disclosed in the references.

It is contended by counsel for appellant that each of the prior art devices is inefficient in that it does not operate effectively when the boat is moving slowly; that appellant's device is so constructed that it operates efficiently, even when the relative motion of the boat with respect to the water is slight; that appellant accomplished this improved result by placing the "waist" or constricted portion of the Venturi tube substantially at the outflow opening of the outflow conduit so that—

"the outflow conduit is located at the zone of greatest attenuation, and at the same time the conduit itself cooperates with the Venturi tube to constitute a restriction therein to assist in effecting the creation of suction or a partial vacuum";

and that appellant's structure is a distinct and unobvious improvement over the prior art.

It is clear that the references neither disclose nor suggest placing the restricted portion of a Venturi tube substantially at the outflow opening of the outflow conduit.

The Board of Appeals was of opinion, however, that, as Venturi suction devices of the type here involved might assume many different forms, it did not involve invention to modify the devices disclosed in the references, particularly the device disclosed in the patent to Hitchcock, by placing the outflow opening of the outflow conduit at the "waist" of the Venturi tube, even though improved results were obtained by so doing.

As we understand the decisions of the tribunals of the Patent Office, it was not held that appellant's device was not new and useful, but rather that its construction required nothing more than mechanical skill in view of the disclosures in the references.

In his brief, the Solicitor for the Patent Office quoted the definition of a "Venturi tube" from Winston's Simplified Dictionary, College Edition, 1936, as follows:

"A tube with a narrowing or constriction, which utilizes the principle that the velocity of a fluid flowing through is increased, and its pressure against the tube walls decreased, in the constricted portion,"

and, at the time of the oral arguments in this court, suggested that, as the pressure decreased and the suction increased at the constricted portion in a Venturi tube, it would seem to be obvious to place the waist portion of such tube at the outflow opening of the outflow conduit, thus creating a sufficient vacuum at the particular point where it was needed to secure the desired results.

We have given the Solicitor's suggestion careful consideration; however, the prior art does not disclose appellant's combination, and it would seem, in view of the advantages obtained therefrom, that, if it was obvious to one skilled in the art that better results might be obtained by placing the "waist" or constricted portion of a Venturi tube at the outflow opening of the outflow conduit in a device of this type, it would have occurred to the patentee Hitchcock, whose patent issued in 1911, or to some one else prior to the filing of appellant's application—May 22, 1934.

We are of opinion that the obviousness of appellant's improvement over the prior art is due to appellant's teaching, and is not due to the teachings of the prior art references.

Accordingly, we are unable to hold that, because a Venturi suction device of the general type here involved is old and might assume many different forms, it did not involve invention to produce appellant's device.

We are constrained to disagree with the conclusion reached by the tribunals of the Patent Office. The decision of the Board of Appeals is, therefore, reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

IN RE PRINZLER

No. 3,966. Decided June 6, 1938

[97 F.(2d) 102]

1. PATENTABILITY—INVENTION—SUBSTITUTION OF MATERIALS.

"It is the ordinary rule • • • that the mere substitution of materials is unpatentable."

2. SAME—SAME—SAME.

"It is our view that if experience showed that cast metal casings for panic locks were likely to be broken in panic conditions or emergency conditions, it would be obvious to one skilled in the art that die-forged casings would remedy the difficulty, and would be substituted for the cast metal without the exercise of the inventive faculty."

3. SAME—SAME—MAKING OLD DEVICE STRONGER.

"The general rule is that there is no invention in making a device strong enough to perform the function for which it is designed."

4. SAME—SAME—MAKING PARTS INTEGRAL.
"It is also true that, ordinarily, there is no invention in making parts integral instead of riveting or otherwise fastening them together."

5. SAME—PANIC LOCK.
Certain claims for a panic lock *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. Arthur M. Hood, *Mr. William Perry Hahn*, and *Mr. Harold B. Hood* for Prinzler.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Examiner rejecting claims 1, 2, 4, and 5 of appellant's application for a patent. The Examiner also rejected claims 3, 9, and 10 of the application, but upon appeal the Board of Appeals reversed his decision as to said last-named claims, and they stand allowed.

Before us appellant's counsel has moved to dismiss the appeal as to claim 2, which motion will be granted, leaving claims 1, 4, and 5 before us for consideration. They read as follows:

1. In a panic lock, a main die-forged casing comprising a top plate, integral depending side walls and laterally separated ears backed by a heavy connecting fillet integral with the ears and top plate, and an operating lever pivoted between the ears with a manually engageable portion and an inner arm lying between the ears and projecting into the casing and having a throw-limiting portion of substantial extent lengthwise of said inner arm engageable with an exposed portion of said fillet of substantial extent outwardly beyond the plane of said top plate.

4. In a panic lock, a die-forged metal casing comprising a top plate, depending side walls, and an annular shaft pocket in its top plate, two bolt actuators slidably mounted in the casing, a rocker arm connecting said actuators for opposite movement, a retaining plate overlying said actuators and rocker arm and a cam shaft journalled in said retaining plate with one end journalled in the top plate pocket and the other end formed for knob operation; said cam shaft having oppositely arranged arms each having a one-way engagement with one of the bolt actuators.

5. In a panic lock, a die-forged bolt actuator having an integral pin by which it may be actuated, and also having spring pocket completely open along one side and at one end.

The references cited with respect to the claims before us are: Weibezahl et al. (German), 27,884, July 8, 1884; Voight, 938,526, November 2, 1909; Voight, 1,069,075, July 29, 1913; Voight, 1,345,041, June 29, 1920; Bolles, 1,646,990, October 25, 1927.

Appellant's alleged invention is concisely described in the decision of the Board of Appeals as follows:

The invention relates to a panic lock which is employed on doors in public places such as theaters. It comprises a casing, oppositely slidable bolt actuators in the casing, and a centrally pivoted rocker arm connecting the actuators. Springs are provided for normally moving the actuators outwardly to lock the bolts. The bolt actuators are moved in the opposite direction by means of a manually operable lever pivoted in ears on the outer side of the front plate of the casing. The lever is provided with an inner arm projecting into the casing and engaging one of the connected bolt actuators. A cam shaft also projects through the back plate of the casing and is provided with arms for operating the bolt actuators when the shaft is rotated. The bolt actuators can thus be actuated by the cam shaft from the outside of the door. A key operated lock is provided for locking this cam shaft at will.

Each of the references relates to door locks, and all except the German patent specifically relate to panic locks.

We do not find it necessary to describe the references in detail for it is admitted by the Patent Office tribunals that the specific elements relied upon by appellant for patentability are not disclosed therein, but the holdings of those tribunals were that such elements do not lend patentability to the claims.

We will therefore consider such elements of the claims which appellant contends render the claims patentable over the references.

In claim 1 these elements are, as stated in appellant's brief, as follows:

1. The main casing must be die-forged,
2. The laterally separated ears must be connected by a heavy fillet which is integral with the ears and top plate; and,
3. The inner arm of the operating lever must have a throw limiting portion of substantial extent lengthwise of said arm, which portion is engageable with an exposed portion of the fillet, of substantial extent outwardly beyond the plane of the top plate.

It was the view of the Patent Office tribunals that, while none of the references disclosed a die-forged casing, there would be no invention in substituting such a casing for a casing of cast metal. The Examiner cited the case of *In re Higgins*, 40 App. D. C. 29, 190 O. G. 551, as an authority supporting such view.

[1] It is the ordinary rule, as appellant's counsel admits, that the mere substitution of materials is unpatentable. There are exceptions to this rule and it is appellant's position that a lock for emergency exits which is sturdier than one that could be secured by the use of a cast metal casing involves invention.

[2] It is our view that if experience showed that cast metal casings for panic locks were likely to be broken in panic conditions or emergency conditions, it would be obvious to one skilled in the art that die-forged casings would remedy the difficulty, and would be substituted for the cast metal without the exercise of the inventive faculty.

With respect to that portion of the claim which embraces "a *heavy* connecting fillet *integral* with the ears and top plate" [italics ours], we agree with the Patent Office tribunals that no invention would be involved, as a part of the combination, in making the fillet heavy or making it integral with the ears and top plate.

[3] The general rule is that there is no invention in making a device strong enough to perform the function for which it is designed. *In re Pomeroy*, 20 C. C. P. A. (Patents) 1026, 64 F.(2d) 687, 433 O. G. 797; *In re Morgan*, 22 C. C. P. A. (Patents) 1264, 77 F.(2d) 531, 461 O. G. 3; *In re Campbell*, 18 C. C. P. A. (Patents) 1351, 48 F.(2d) 915, 412 O. G. 13; *Parson Mfg. Co.* v. *Coe*, 185 Fed. 522.

[4] It is also true that, ordinarily, there is no invention in making parts integral instead of riveting or otherwise fastening them together. *Howard* v. *Detroit Stove Works*, 150 U. S. 164, 65 O. G. 1765; *In re Wickersham*, 22 C. C. P. A. (Patents) 969, 75 F.(2d) 214, 455 O. G. 747; *In re Bush*, 46 App. D. C. 141, 241 O. G. 916.

With regard to the element of the claim reading—

• • • and an inner arm lying between the ears and projecting into the casing and having a throw-limiting portion of substantial extent lengthwise of said inner arm engageable with an exposed portion of said fillet of substantial extent outwardly beyond the plane of said top plate.

the Examiner expressed the view that—

"One skilled in the art could without the exercise of invention proportion the various parts in the references as recited in claim 1."

We see nothing inventive, in view of the references, in providing in the combination an inner arm having a throw-limiting portion, as described in the claim, for it seems to us that the advantage of such an element in the combination would be obvious to one skilled in the art.

In claim 4 the elements in the combination, in addition to the die-forged casing which we have discussed with respect to claim 1, upon which appellant relies to lend patentability to the claim over the references are the provisions for:

• • • a retaining plate overlying said actuators and rocker arm and a cam shaft journalled in said retaining plate with one end journalled in the top plate pocket and the other end formed for knob operation; • • •.

The patent to Weibezahl et al. discloses a cover plate for a lock, and as to the feature of journalling in the cover plate the Examiner stated:

"It is immaterial whether knob spindles carrying these rocker arms are journalled in the top plate or only in bottom (retainer) plate as shown in the patents."

We are in agreement with the Patent Office tribunals that appellant's contentions that claim 4 is patentable over the cited references cannot be sustained.

In claim 5 appellant relies for patentability upon the requirement of "a die-forged bolt actuator having an integral pin by which it may be actuated", and also upon the requirement of a "spring pocket completely open along one side and at one end".

With regard to the bolt actuator being die-forged, and its having an integral pin, what we have said with respect to the die-forged casing and parts being made integral, in discussing claim 1, is applicable to these features of claim 5. With respect to the spring pocket being completely open along one side and at the end, the Board of Appeals held that there would be no invention in omitting one side wall of the spring pocket disclosed in the patent to Bolles. We are in accord with this view.

[5] While we are impressed that appellant has disclosed a panic lock having advantages over the locks disclosed in the references, we are of the opinion that none of such advantages resulted from the exercise of the inventive faculty.

The appeal as to claim 2 is dismissed, and as to the remaining claims the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IRELAND
v.
SMITH

No. 3,983. Decided June 6, 1938

[97 F.(2d) 95]

1. INTERFERENCE—MOTION TO DISSOLVE—PRACTICE.
"It is well established that there is no reversible error in the refusal of the Patent Office tribunals to pass on a motion to dissolve not brought within the time specified in the Patent Office rules."

2. SAME—APPEALS—PRACTICE.
Where no motion was made to dissolve the interference and there was no assignment of error that the Board of Appeals failed to hold that the senior party had no right to make the counts, *Held* the question of the senior party's right to make the counts may not be considered.

3. SAME—EVIDENCE—REDUCTION TO PRACTICE.
"The claim of a party that devices were fully completed, tested, and operated prior to date of filing an application requires corroboration in order to establish reduction to practice of an invention."

4. SAME—PRIORITY.
Record reviewed and *Held* that the junior party I. failed to establish actual reduction of the invention to practice prior to the filing date of the senior party S. and had not shown diligence in reducing the invention to practice from immediately prior thereto and until his own filing date and that priority was properly awarded to S.

APPEAL from Patent Office. Affirmed.

Mr. Eugene C. Taylor for Ireland.

Mr. Raymond D. Smith pro se (*Mr. A. D. Adams* of counsel) for Smith.

LENROOT, *J.*:

This is an interference proceeding, wherein the Board of Appeals of the United States Patent Office affirmed a decision of the Examiner of Interferences awarding to appellee priority of invention with respect to all the counts, numbered 1 to 13, inclusive.

Count 13 is illustrative and reads as follows:

13. The combination with a timing mechanism comprising a spring-actuated shaft having an eccentric operatively connected therewith, and also having a member adapted to be actuated by rotation of said shaft to cause it to engage a mechanism to be controlled, of an oscillator having one end engaged with said eccentric and provided with a movable support, a balance wheel yieldingly connected with the opposite end of said oscillator, and a device for relatively moving said support to control the oscillations of the oscillator, whereby the timed operating period of the mechanism may be varied.

The interference arises between a patent to appellant and an application filed by appellee on May 6, 1930. Appellant's patent, No. 1,866,808, was issued on July 12, 1932, upon an application filed May 31, 1930. As appellee is the senior party, the burden was upon appellant to establish priority of invention by a preponderance of evidence.

The claims corresponding to the counts of the interference were copied by appellee from appellant's patent, and were first presented in appellee's application in an amendment dated April 20, 1934.

The general subject matter of the interference is described in the decision of the Examiner of Interferences as follows:

This interference has for its subject matter a clockwork mechanism of a type commonly used to time the actuation of electrical appliances. The various elements of the mechanism are recited in considerable detail by the counts. The important feature of the mechanism is that it may be easily adjusted in a manner which will result in a variation of the operating interval. Specifically, this is accomplished by the provision of a movable pivot supporting a link between the source of power and the oscillating balance wheel which constitutes the load. By shifting this pivot longitudinally of the link the respective lever arms are varied reducing the moment of force applied and increasing the moment of load, and vice versa. • • •

Both parties filed preliminary statements. Appellant in his preliminary statement alleged that he conceived the invention in issue about January 1, 1929, disclosed it to others about April 1, 1929, and actually reduced the same to practice on July 4, 1929.

Appellee alleged that he conceived the involved invention about August 1, 1915, disclosed it to others on June 15, 1927, began "actively exercising reasonable diligence in adapting and perfecting the invention" on or about October 22, 1926, and actually reduced the invention to practice on or about June 15, 1927.

Appellant made no motion to dissolve the interference upon any ground whatever.

Both parties took testimony.

The Examiner of Interferences found that appellant was entitled to the date of October 12, 1929, for conception of the invention, but that the evidence failed to establish reduction to practice prior to his filing date, May 31, 1930. Said Examiner also found that appellant had failed to establish diligence in reducing the invention to practice from immediately prior to appellee's entry into the field to appellant's constructive reduction to practice on appellant's filing date. He therefore awarded priority of invention to appellee.

Said Examiner made no finding with respect to appellee's claimed conception and actual reduction to practice prior to his filing date of May 6, 1930.

In the decision of the Examiner of Interferences we find the following:

> • • • The brief of the party Ireland appears to question whether the Smith disclosure does in fact support the counts, but since this question was never raised by motion under rule 122 it may not now be investigated.

Appellant appealed to the Board of Appeals from the decision of the Examiner of Interferences. In that appeal appellant assigned no error upon the part of the Examiner of Interferences in failing to hold that appellee had no right to make the claims corresponding to the counts in issue.

The Board of Appeals affirmed the decision of the Examiner of Interferences in all respects, and from its decision this appeal was taken.

Before us appellant urges that appellee has no right to make the claims corresponding to the counts, and in extenuation of his failure to move to dissolve the interference contends that such motion would have been a useless formality inasmuch as, in the ex parte prosecution of appellee's case, the Examiner had rejected the claims copied from appellant's patent as aforesaid upon the ground that the claims were not supported by appellee's application, and the Board of Appeals had reversed the Examiner upon this point, holding that appellee's application did support the claims.

Rule 122 of the Patent Office, relating to motions to dissolve an interference, contains the following provision:

> • • • If in the opinion of the Examiner of Interferences the motion be not in proper form, or if it be not brought within the time specified and no satisfactory reason be given for the delay, it will not be considered and the parties will be so notified.

In the ex parte decision of the Board of Appeals, holding that appellee's disclosure supported the claims copied as aforesaid, the Board stated:

> After the interference is declared, perhaps the patentee may be able to present other reasons or arguments against appellant's right to make his claims but, as we understand the disclosures at this time, we believe that appellant should be allowed to copy them as we think that, if the patentee can prevail, he would assert that appellant would infringe his claims if the substitutions be made which are referred to in the original specification of the application. In any event, we think that the claims are so broad that it is better for them to be made the issue of an interference so that the views of both parties may be made of record; and if there is any uncertainty as to their rights now, the proceedings will doubtless materially clarify the situation. At least, the positions taken by the parties may govern to a large extent their future actions.

Here was a clear suggestion that, after the interference was declared, appellant might enter a motion to dissolve the interference under rule 122, when the question of appellee's right to make the claims could be further considered, but no such motion was made.

[1] It is well established that there is no reversible error in the refusal of the Patent Office tribunals to pass on a motion to dissolve not brought within the time specified in the Patent Office rules. *Rossiter* v. *Ellis*, 22 C. C. P. A. (Patents) 793, 74 F.(2d) 455, 454 O. G. 5.

In the instant case no such motion was made at any time.

Finally, we would observe that in the reasons of appeal before us there is no assignment of error that the Board of Appeals failed to hold that appellee had no right to make the claims corresponding to the counts here involved.

[2] For the reasons above given, we must hold that the question of appellee's right to make said claims may not be considered by us.

Two questions of fact remain for consideration:

1. Has appellant established actual reduction to practice of the invention prior to appellee's filing date?

2. If the first question be answered in the negative, has appellant established diligence in reducing the invention to practice from immediately prior to May 6, 1930, appellee's filing date, to May 31, 1930, appellant's filing date and constructive reduction to practice?

The Patent Office tribunals concurred in finding that appellant was entitled to the date of October 12, 1929, for conception of the invention.

Appellant contends that he has established such conception as early as January, 1929, and actual reduction to practice on July 4, 1929.

Appellant testified that he was superintendent of the Waters-Genter Company Division of the McGraw Electric Company; that he conceived the involved invention in January, 1929, and that under his directions a model embodying the invention was completed some time between January 1 and April 1, 1929, and that he successfully tested it on July 4, 1929, in the presence of a very close friend who was visiting him. With reference to this friend appellant testified as follows:

Q. 86. Do you know where this friend is at the present time? A. No, sir.
Q. 87. Was this a man? A. Yes, sir.

Appellant introduced in evidence a drawing, marked Exhibit C, which the Examiner of Interferences held disclosed the involved invention. This drawing is dated October 12, 1929, in appellant's handwriting, and he testified that he made the drawing. It was upon the basis of this drawing that appellant was awarded the date of October 12, 1929, for conception of the invention.

Appellant further testified as follows:

Q. 104. I hand you a sheet which may be identified by the following title, "Invoice No. D–10,658," and ask you if you know what this is? A. It is a shipping order or invoice calling for the shipment to Mr. Max McGraw, care McGraw Electric Company, 120 South LaSalle Street, Chicago, Illinois, calling for six household Toastmasters, to be inspected by Mr. Ireland.
Q. 105. What, if anything, does that shipping order indicate with regard to your development work on the variable speed timer which you have referred to in your previous answers? A. These were out of the first lot of toasters which were manufactured in our production department of the one-lever variable speed timer type.
Q. 106. Then, as I understand your answer, these toasters included as a part thereof a variable speed timer which had been developed by you? A. Yes, sir, the first production run.
Q. 107. Did those toasters covered by the shipping order have as a part thereof a variable speed timer of the kind shown in your Patent No. 1,866,808, which was issued on an application filed May 31, 1930, which application was given Serial Number 457,893 by the Patent Office? A. Exactly.

Mr. BIEBLE: Sheet designated by "Invoice No. D–10,658" is offered in evidence as Ireland's Exhibit E.

Said invoice is dated June 23, 1930.

One Oscar Hedin, a witness for appellant, testified that he was a tool maker and ran a tool shop under the name of "Gopher Machine & Tool Works"; that he made certain experimental toaster parts under the direction of appellant; and that he saw a device constructed in accordance with said Exhibit C some time in the spring of 1929. He further testified as follows:

XQ. 10. Was this device ever assembled in your shop? A. Yes.
XQ. 11. Was it first assembled in your shop? A. We built it, so it must have been in parts.
XQ. 12. Was it assembled under your personal supervision? A. Well, you could call it that. I am foreman there, or running the place.
XQ. 13. You had knowledge of it? A. Yes.
XQ. 14. Did you see it operate in the condition it was first assembled? A. I must have seen it, yes.
XQ. 15. Were there any difficulties in the operation that you recollect? A. I can't say exactly. During experimental stages of anything there is something to give difficulty, but I couldn't say there were any difficulties here. I can't tell you because I don't know.
XQ. 16. Do you know where that model is at the present time? A. No; that model was turned over to Waters-Genter Company.
XQ. 17. Can you tell me the approximate date it was turned over to the Waters-Genter Company? A. No, I couldn't tell you that.
XQ. 18. Did the model or device contain all of the parts which are shown on this drawing? A. Yes; when we got through it contained all those parts.

Harold C. Genter testified that he was an officer of appellant's employer. He could not remember whether he had ever seen appellant's Exhibit C before, and was not able to recollect when the design of the "new toaster and timer" was completed. While the witness was very frank, his testimony is vague and uncertain as to the material issues in this case, which is natural, some six years having elapsed between the giving of his testimony and the occurrence of the events concerning which he was questioned.

Concerning the model which appellant testified to as having been tested on July 4, 1929, the witness testified:

XQ. 1. Do you remember the first model, Mr. Genter, that Mr. Ireland produced that incorporated the mechanism of Patent No. 1,866,808? A. I can't say that I do recall the first model. I don't recall.
XQ. 2. Must it have been the property of the Waters-Genter Company? A. Must it have been?
XQ. 3. Yes. A. It was the property of the Waters-Genter Company.
XQ. 4. Could its present whereabouts be located from the company records? A. I personally am not even sure whether it is in existence right now. We made a practice of saving, particularly in the last five or six years we have been more careful about saving models of that kind. Whether this particular model is in existence or not I can't say to-day.
• • • • • • •
XQ. 8. Would the company records indicate the earliest mechanism like Ireland's Patent 1,866,808 is at present in the possession of Waters-Genter Company? A. I haven't studied the records of this particular model, so I couldn't answer that question.

With reference to appellant's Exhibit E the witness testified as follows:

Q. 22. I show you Ireland's Exhibit E, identified as Invoice No. D–10,658, and ask what it is? A. Well, this is evidently a duplicate of a shipping order. It says "Duplicate invoice," but it is made right on one of our shipping orders when these first six Toastmasters were shipped to Chicago.
Q. 23. What, if anything, would that indicate as to the development work which you had asked Mr. Ireland to do? A. Well, it indicates that the development work must have been completed during the spring of 1929 because the dies were—well, all the testing had to be done on the device and the dies had to be built and completed and the assembly line started before this shipment was made. That would have taken the better part of eight or nine months.
Q. 24. From the information on that sheet can you tell whether those toasters included a clock or timer of the kind which is shown in Mr. Ireland's Patent No. 1,866,808? A. Yes, it shows the variable speed timer, and those were included in the toasters on this invoice. I wouldn't swear to the details of the patent, but I am talking about the difference in timer.

There is clearly no corroboration of appellant's claim of successful reduction to practice on July 4, 1929.

[3] The claim of a party that devices were fully completed, tested, and operated prior to date of filing an application requires corroboration in order to establish reduction to practice of an invention. *Janette* v. *Folds & Persons*, 17 C. C. P. A. (Patents) 879, 38 F.(2d) 361, 395 O. G. 1136.

No explanation is given in the testimony of why the close friend of appellant, who, it is claimed, witnessed a successful test of appellant's device, was not called. It is true that appellant testified that at the time of the taking of the testimony he did not know the whereabouts of his friend, but there is no testimony that he made any effort to ascertain his address and secure his testimony.

Neither is there any satisfactory explanation of why the model which appellant testified he tested on July 4, 1929, was not produced. There is no testimony that any search was made for it, or any effort made to ascertain whether it had been lost or destroyed.

There remains the question of diligence upon the part of the appellant in reducing the invention to practice.

We will first consider whether appellant has established diligence in reducing the invention to practice from immediately prior to May 6, 1930, appellee's filing date, until May 31, 1930, appellant's filing date. If appellant has not established such diligence it will not be necessary to consider whether appellee is entitled to dates for conception and reduction to practice of the invention prior to his filing date, May 6, 1930.

Appellant contends that it is established that his employer, the Waters-Genter Company, on June 23, 1930, shipped six complete toasters embodying the invention to Chicago; that before producing such toasters it was necessary to manufacture dies and do a vast amount of work in producing the toasters

prior to the shipment thereof on June 23, and therefore appellant must have been diligent in reducing the invention to practice immediately prior to appellee's entry into the field, and thereafter until the shipment of said toasters. Of course, the duty of diligence upon the part of appellant ended on May 31, 1930, his filing date, for his application was a constructive reduction to practice of the invention.

The difficulty with appellant's contention is that there is no evidence of any activity upon appellant's part with respect to the invention immediately prior to appellee's filing date, May 6, 1930. He may have been active for a considerable time prior to appellee's filing date, but any such activity occurring at a time not immediately prior to appellee's filing date would be of no avail to appellant in establishing diligence.

It would seem that appellant might have established with greater certainty the time when work was performed in the construction of the toasters shipped to Chicago on June 23, 1930. We may surmise that appellant was probably diligent in the matter on May 6, 1930, and immediately prior thereto, and that such diligence continued until May 31, 1930, his filing date; but mere surmise cannot take the place of proof, and there is no proof in the record of such diligence.

In the foregoing we have assumed that the toasters shipped to Chicago on June 23, 1930, embodied all of the elements of the counts before us.

Both of the Patent Office tribunals held that the evidence in behalf of appellant was insufficient to establish that the toasters shipped to Chicago embodied all of the elements of the invention set forth in the counts. We find it unnecessary to decide this point, for, assuming that the Patent Office tribunals were in error in this respect, still there is a lack of proof of diligence during the critical period within which the burden was upon appellant to establish diligence.

[4] For the reasons stated hereinbefore, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE LEWIS

No. 3,967. Decided June 6, 1938

[96 F.(2d) 1009]

1. REJECTION—REFERENCES—STATEMENTS OF FACTS BY PATENT OFFICE EMPLOYEE.
   Statements of facts within the knowledge of Patent Office employees are available as references.
2. APPEAL—RECORD.
   An applicant who did not proceed under rules 66 and 76 of the Patent Office to question a statement of facts made by the Board of Appeals relating to the prior art or the existence of those facts before his filing date may not urge on appeal to the court that there is no prior art in the record except the patent cited by the Examiner.
3. PATENTABILITY—BROADCASTING SYSTEM.
   Certain claims relating to a broadcasting system for the transmission and reception of television and related sound signals *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. Laurence B. Dodds and *Mr. J. D. Stewart* for Lewis.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

JACKSON, *J.:*

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Primary Examiner rejecting claims 25 to 30, inclusive, of appellant's application for a patent.

Several claims were allowed by the Examiner. Claim 25 is illustrative of the rejected claims, and reads as follows:

> 25. A broadcasting system comprising a plurality of transmitting stations, each including means for transmitting a unified program comprising a plurality of component portions transmitted by carriers having a predetermined frequency relation which is the same for all stations, and a receiving station tunable to receive any of said transmitted programs and including means for simultaneously selecting only a plurality of signals whose carriers have said predetermined frequency relation, and means for separately reproducing said received signals to provide a complete reproduced program.

The application relates to a system for the transmission and reception of television and related sound signals and is described by the Examiner as follows:

> A plurality of broadcasting stations are provided from each of which are transmitted a carrier modulated by television signals and a second carrier modulated by accompanying sound signals. The two carriers transmitted by any one transmitting station are related in frequency, the frequencies of the carriers bearing a predetermined ratio to each other. This ratio is the same for all of the transmitting stations.
>
> The receiver is selective of the combined program from any one of the transmitting stations and contains two circuits, one for the television signals and the other for the sound signals, and is provided with uni-control tuning means having a single tuning knob for simultaneously tuning both circuits. The tuning circuits are so designed that as the tuning knob is adjusted throughout its entire range the above-mentioned predetermined ratio is maintained between the circuit of the television portion of the combined receiver and that of the sound portion for all positions of the tuning knob. In this manner, by adjustment of a single control the sound and vision signals from any one of a number of transmitting stations may be simultaneously tuned in.

The references cited by the Examiner are—Hartley, 1,571,005, January 26, 1926; Harries (British patent), 338,617, November 27, 1930.

The Examiner rejected the appealed claims as unpatentable over the British patent to Harries alone, and he also rejected them as unpatentable over the British patent in view of the patent to Hartley.

The British patent is not set forth in the record, but the Board of Appeals, in its decision affirming the rejection of the appealed claims, stated that—

> While we do not think the claims anticipated by the British patent above discussed, we are of the opinion that they do not define a patentable invention over broadcasting practice now well known in the art, especially in view of Hartley.

The discussion of the British patent to which the Board alluded was to the effect that the British patent shows the simultaneous sending and receiving of a plurality of signals in a point-to-point manner to be old, but that the apparatus is not tunable. Since in the Examiner's statement it is set forth that the British patent discloses simultaneous transmission and reception of speech and television waves, it must be that the Board, in its decision, meant that the said sending and receiving of speech and pictures was old in the art of ether wave transmission.

The patent to Hartley relates to a secret point-to-point signaling system and is described by the Board as follows:

> The patent to Hartley shows what appears to be a point-to-point signaling system by which a plurality of signals bearing a certain numerical relationship to each other may be simultaneously sent or received. In order that these signals may not be intercepted by one unauthorized to receive the same, provision is made for constantly varying the frequencies. Synchronizing impulses are transmitted from one station to the other so that as the frequencies at one station are continuously varied, a similar variation takes place at the other station so that the various frequencies at the receiving station will always be appropriate to the various frequencies being transmitted. While the Hartley patent does not disclose a broadcasting system in the sense of the present claims, we think it does teach the maintaining of a definite relationship between filters which may be used either for transmitting or for receiving signals. * * *

In two of his five reasons of appeal appellant contends that—

> (1) The Board of Appeals erred in holding that claims 25–30, inclusive, are unpatentable "over broadcasting practice now well known in the art";
> (2) The Board of Appeals erred in holding that claims 25–30, inclusive, are unpatentable "over broadcasting practice, now well known in the art" in view of Patent No. 1,571,005 to Hartley, granted January 26, 1926.

Our decision on these two reasons of appeal will be decisive of the issue.

Appellant contends that since his application was filed approximately six years prior to the decision of the Board, the expression in its decision,

> "* * * we are of the opinion that they [the rejected claims] do not define a patentable invention over broadcasting practice now well known in the art * * *,"

in no wise affects the patentability of the claims on appeal.

Appellant argues that the Board's expression, "now well known", should be construed to mean at the time its opinion was written. We cannot agree with this contention. To do so would be to charge the Board of Appeals with an intent to reject the claims of appellant on knowledge of the art not possessed until after the date appellant's application was filed. This we decline to do. In our opinion the language of the Board, with respect to "practice now well known in the art", meant practice that was in existence at the time appellant's application was filed.

Appellant contends that there is nothing in the record, except the patent to Hartley, showing the prior art at the time of appellant's filing date.

It is true that the Board of Appeals held that the rejected claims were not anticipated by the British patent for the reason that neither the sending nor receiving apparatus of the patent is tunable. But the Board did discuss the British patent and said, in effect, that to send and receive a plurality of speech and visual sound waves is not new because the patent shows it. The patent was held by the Board to disclose part of the art, and to such extent as it concerned the Board we think it must be considered by us.

The Board, in its decision, also stated that—

> Present systems involve the broadcasting on properly separated wave lengths of various programs which may be received by tuning to the appropriate wave length. In present-day tuning apparatus, there are usually two or more elements in the receiving set which require movement. It is a common expedient to gang these elements together and to give them such values that they may be properly tuned simultaneously by the movement of a single control element.

[1] [2] The above statement appears to be a statement of facts within the knowledge of an employee of the Patent Office. Such statements are available as references. Appellant, if he wished to question the said statement of facts made by the Board of Appeals, both in regard to the facts themselves or their existence before appellant's filing date, should have proceeded under rules 66 and 76 of the Patent Office. Apparently no affidavit was requested in accordance with said rules, and appellant may not now be heard in this respect to urge that there is no prior art in the record except the patent to Hartley. *In re Eliot*, 22 C. C. P. A. (Patents) 1088, 76 F.(2d) 309, 459 O. G. 3.

The want of tunability in the British patent, mentioned in the decision of the Board, was its reason for thinking the rejected claims were not anticipated by the patent. But that there existed in the art, before the filing date of appellant, knowledge of tuning two electric circuits by a single means cannot be gainsaid. This is shown in the opinion of this court in *In re Vreeland*, 17 C. C. P. A. (Patents) 993, 39 F.(2d) 977, 397 O. G. 359, cited in the brief of the solicitor.

In that case the court said:

> It has been well known in the art for a considerable period that in a radio receiving system, better results are obtained when two electrically tuned circuits are provided, one an antenna or collecting, grounded circuit, and another local circuit coupled thereto and resonant therewith. It is also well known that if these circuits can be tuned by a single means, the efficiency of the system is greatly increased. * * *

The opinion in the last cited case is dated April 14, 1930. Thus it seems that, since the application of appellant was filed on May 6, 1931, tuning by a single means to receive from any chosen broadcasting station was well known in the art for more than a year before appellant's filing date, and the Board may have had this very case in mind.

From what has hereinbefore been said, we conclude that there is in the prior art, as shown by the record, more than just the patent to Hartley as appellant contends.

It is true that the Board, in affirming the Examiner's rejection of the claims, based its conclusion on somewhat different reasoning. Even though the ground of rejection be new, it does not vitiate the decision of the Board. *In re Mulligan*, 23 C. C. P. A. (Patents) 1220, 83 F.(2d) 917, 473 O. G. 233.

The patent to Hartley does not, as appellant correctly states, "include the feature of tuning these adjustable filters to signals from any of a plurality of stations," but the claims were not rejected by the Board on the Hartley patent alone. We think it has been shown that tuning a receiver to receive signals from any one of a number of transmitting devices is old in the prior art referred to by the Board.

The Hartley patent taken alone does not meet the claims. It does, however, teach—

> "the maintaining of a definite relationship between filters which may be used either for transmitting or for receiving signals."

This evidently is what the Board had in mind when it coupled the said teaching with other features of the prior art practice to hold the rejected claims unpatentable. It is our opinion that all of the elements used in the system set out in the rejected claims are shown to be old in the prior art and the combination of the same would be obvious to one skilled in the art.

[3] We think the Board arrived at a correct conclusion in stating that—

> In our opinion the claims on appeal involve a mere extension of the present broadcasting practice in a manner within the skill of the art, bearing in mind the present practice of the art with respect to such transmitting systems as are involved in the Hartley disclosure.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

CARNATION COMPANY
v.
CALIFORNIA GROWERS WINERIES, INC.

Nos. 3,974 and 3,975. Decided June 6, 1938

[97 F.(2d) 80]

1. TRADE-MARKS—APPEALS—MATTER NOT PLEADED IN NOTICE OF OPPOSITION NOT CONSIDERED.

Where registrant-opposer argued on appeal to the court that under the name clause of Sec. 5 of the Trade-Mark Act it should be considered that applicant seeks to appropriate the essential part of opposer's corporate name *Held* the argument will not be considered since this clause was not pleaded in the notice of opposition.

2. SAME—OPPOSITION—GOODS NOT OF THE SAME DESCRIPTIVE PROPERTIES—WINES AND BRANDY, AND MILK PRODUCTS.

Wines and brandy *Held* not to possess the same descriptive properties as milk products such as condensed milk, malted milk, skimmed dry milk and the like.

APPEALS from Patent Office. Affirmed.

Mr. C. P. Goepel for Carnation Company.

Messrs. Jackson and *Webster* (*Mr. W. G. MacKay* and *Mr. Charles R. Allen* of counsel) for California Growers Wineries, Inc.

JACKSON, *J.:*

These are two appeals from decisions of the Commissioner of Patents affirming those of the Examiner of Trade-Mark Interferences which dismissed the notices of opposition in oppositions Nos. 14,346 and 14,347. In both proceedings the issues are identical. Both were submitted on the same record and were briefed and argued here together. Both will be disposed of in a single opinion.

Appellee, a dealer in wines and brandy, who is an applicant for registration of its trade-mark "Carnation", filed one application, Serial No. 356,688, as applied to wines, and another, Serial No. 356,689, as applied to brandy. The said applications were filed October 3, 1934, and in both cases allege continuous use of the mark as applied to the said goods of appellee's business since September 27, 1934.

Appellant, a dealer in milk products, filed notice of opposition against each of the said applications, alleging use of the word "Carnation" as a trade-mark by it and its predecessor in business since about November 1, 1899, and also alleging ownership of four registered trade-marks consisting of or containing the name "Carnation" as applied to milk products. The earliest of said trade-marks was registered June 26, 1906.

The oppositions are based solely upon the ground of the confusion-in-trade clause of section 5 of the Trade-Mark Act of February 20, 1905.

On January 18, 1935, appellee filed motions to dismiss the said notices of opposition, but consideration of the motions was deferred by the Examiner pending confirmation by appellant that its sole ground of opposition was the aforesaid clause of the said Trade-Mark Act.

After appellant had confirmed its ground of opposition as aforesaid, issue was joined by appellee's answers filed March 21, 1935, praying that the notices of opposition be dismissed.

Testimony was taken by appellant. Appellee took none. The evidence establishes that the trade-mark "Carnation," as applied to appellant's goods, has for many years been widely advertised at great cost, and that a huge volume of business has been developed in the said goods under the said trade-mark "Carnation".

[1] Appellant, in its brief, argues that under the name clause of section 5 of the aforesaid act we should consider that appellee seeks to appropriate the essential part of its corporate name. This we are unable to do for the reason that this clause was not pleaded in the notices of opposition. Our holding in this respect follows the case of *Emerson Electric Manufacturing Company* v. *Emerson Radio & Phonograph Corporation*, 24 C. C. P. A. (Patents) 1279, 90 F.(2d) 331, 485 O. G. 745 in which the name clause had not been pleaded. In that case the court said that—

> On appeal, the Commissioner called attention to the fact that the name clause was not set up in the notice of opposition. This is true, and hence, as said by the Commissioner, must be considered as waived by the opposer. This doctrine was announced in *Rookwood Pottery Co.* v. *Wilhelm Company*, 42 App. D. C. 1. • • •

The decisions of the tribunals below held that the products involved do not possess the same descriptive properties, and that there is no likelihood of confusion as to source of origin.

The Commissioner stated, in his decisions, as follows:

> In the two applications involved California Growers Wineries, Inc., seeks registration of the word "Carnation" as a trade-mark for wines and brandy, respectively. As a bar to such registration the opposer, Carnation Company, relies upon its prior use and registration of the same mark for condensed milk, malted milk, "whole dry milk and skimmed dry milk and desiccated milk", and mild chocolate. It is not alleged in the notices of opposition that these goods are of the same descriptive properties as wine or brandy, but it is averred that confusion as to origin would probably result from applicant's use of its mark on such products, and that "many of opposer's prohibition customers may cease altogether to be customers of opposer, and become patrons of other milk producers, because they will resent purchasing and using a milk product having the same trade name as wine products". Opposer thus concludes that it would be injured by the registration of applicant's mark.
>
> In *Mohawk Milk Products Co.* v. *General Distilleries Corporation*, 469 O. G. 775, 30 U. S. P. Q. 281, it was held by this tribunal that canned milk and gin are of different descriptive properties, and that no confusion would be reasonably likely to result from their sale under identical trade-marks. I am clearly of the opinion that the same ruling must be made with respect to the goods involved in the instant case. The purchasing public must be credited with at least a modicum of intelligence, which condition would seem to be incompatible with the occurrence of either ground of possible damage pleaded by opposer.

Since we are of opinion that we should be governed in our decision of these appeals by the case of *Mohawk Milk Products Co.* v. *General Distilleries Corporation*, 25 C. C. P. A. (Patents) —, 95 F.(2d) 334, which was decided by this court subsequently to the Commissioner's decisions in these appeals, it is not considered necessary to discuss the cases cited by appellant in support of its contention.

[2] In the *Mohawk Milk Products Co.* case, supra, the facts were practically identical with those in the instant appeals. The opposition in that case involved the words "Gold Cross" as applied to gin by the appellee, and as applied to canned milk by the appellant. We held, in that case, that gin and canned milk do not belong to the same class of beverages, and do not possess the same descriptive properties. The same distinction applies in these appeals and we accordingly hold that wine and brandy do not belong to the same class of beverages as the milk products of appellant and, therefore, are not goods of the same descriptive properties. In that case we stated that—

> There is no testimony that gin is ever sold in cans. It was the opinion of the witnesses that customers who are prohibitionists, upon seeing the mark "Gold Cross" applied to gin, would conclude that appellant had added the liquor business to its milk business, and that such customers would, for that reason, cease buying appellant's products, to the damage of appellant.

Similarly in these appeals there is no testimony that wine or brandy is sold in cans. Witnesses in the present issues testified in generally similar fashion to those in the Mohawk Milk Products Co. case, supra, with respect to likelihood of confusion of origin of the goods as above set out.

Accordingly, the decisions of the Commissioner of Patents are affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,224,518, 1,275,195, V. G. Apple, Armature construction for dynamo electric machines; Re. 17,353, 1,264,749, same, Method of building armatures; Re. 16,823, same, Machine for pressing inductors into place on the core of dynamo electric machine elements and bending them simultaneously; Re. 16,889, Machine for bending armature terminals; 1,238,959, E. J. Tomlinson, Terminal bending tool for armature, filed Oct. 7, 1938, D. C., E. D. Mich. (Detroit), Doc. 67, *B. D. Apple* (*V. G. Apple Laboratories*) v. *Ford Motor Co.*

1,238,959. (See 1,224,518.) 1,264,749. (See 1,224,518.)

1,275,195. (See 1,224,518.)

1,283,400, H. D. Currier, Trunk circuit, C. C. A., 6th Cir., Doc. 7468, *Kellogg Switchboard & Supply Co.* v. *Michigan Bell Telephone Co. et al.* Claims 6 and 7 held invalid, claims 24 and 27 held not infringed Oct. 10, 1938.

1,389,982. (See Re. 15,462.)

1,438,170, H. D. Currier, Telephone system with flickering recall, C. C. A., 6th Cir., Doc. 7467, *Kellogg Switchboard & Supply Co.* v. *Michigan Bell Telephone Co. et al.* Claims 33, 34, and 46 held invalid Oct. 10, 1938.

1,451,491. (See Re. 19,891.)

1,532,077, Quackenbush & Quackenbush, Automatic glass blowing machine, D. C., S. D. N. Y., Doc. E 86/287, *General Electric Co. et al.* v. *American Electrical Sales Co., Inc.* Decree for plaintiff (notice Oct. 7, 1938).

1,537,944, R. Hufford, Governor for internal combustion motor; 1,584,929, Handy & Bull, Governor; 2,048,423, A. A. Bull, Stabilizer for suction governor, appeal filed Oct. 11, 1938, C. C. A., 2d Cir., Doc. —, *Handy Governor Corp.* v. *General Carburetor Sales Co., Inc.*

1,549,594, A. C. Menningen, Tumbler, filed Oct. 12, 1938, D. C., N. D. Ohio, W. Div., Doc. 4295, *Koehring Co.* v. *The Marion Steam Shovel Co.*

1,570,381, J. M. Lea, Pump mechanism, filed Oct. 13, 1938, D. C., E. D. Mich. (Detroit), Doc. 83, *J. M. Lea* v. *King-Seeley Corp.*

1,584,929. (See 1,537,944.)

1,621,949, G. A. Overstrom, Vibrating screen, D. C., E. D. Pa., Doc. 9839, *G. A. Overstrom* v. *Link Belt Co.* Consent decree granting injunction July 27, 1938.

1,675,593. (See Re. 19,634.)

1,681,805. (See Re. 19,634.)

1,709,600, H. M. Baker, Camera copy, and method of and medium for making same, D. C., W. D. Mo. (Kansas City), Doc. 2975, *H. M. Baker* v. *Demaree Stationery Co.* Dismissed Oct. 10, 1938.

1,715,523, W. S. Turner, Floor covering for automobiles; 1,715,525, W. S. Vrooman, same, C. C. A., 6th Cir., Doc. 7726, *Baldwin Rubber Co.* v. *The Paine & Williams Co.* Patents held infringed Oct. 6, 1938.

1,715,525. (See 1,715,523.)

1,724,821. (See Re. 19,634.)

1,725,350. (See Re. 19,634.)

1,773,704. (See Re. 19,634.)

1,783,864, C. W. Vogt, Apparatus and process for treating materials; 1,783,867, same, Machine for processing materials; 1,972,253, same, Process and apparatus for preparing and packing food products; 1,881,106, Vogt & Wymond, Can filler, D. C., E. D. Pa., Doc. 9313, *Vogt Processes, Inc., et al.* v. *Abbotts Dairies, Inc.* Claims 3 and 5 of 1,783,864, claims 18 and 19 of 1,783,867, claims 3 and 4 of 1,972,253 held invalid. Claim 5 of 1,881,106 held valid, and claim 4 of 1,881,106 held valid and infringed. Bill dismissed for want of equity, except as to claim 4 of 1,881,106 Oct. 4, 1938.

1,783,867. (See 1,783,864.)

1,803,262, F. Lang, Self igniting oil motor; 1,954,082, same, Diesel engine with air and pressure reservoir, filed Oct. 7, 1938, D. C., W. D. Pa., Doc. 44, *Lanova Corp.* v. *The National Supply Co.*

1,803,589. (See Re. 19,634.)

1,812,994, E. A. Sperry, Bore-hole inclination recorder; 1,959,141, same, Bore-hole position indictor, filed Oct. 4, 1938, D. C., S. D. Calif. (Los Angeles), Doc. 23–Y, *Sperry Gyroscope Co., Inc., et al.* v. *K. Lutschg.*

1,816,512. (See Re. 19,634.)

1,842,094. (See Re. 19,634.)

1,842,144. (See Re. 19,634.)

1,842,308. (See Re. 19,634.)

1,849,515, L. Ell, Suction cleaner nozzle; 2,027,543, G. E. Lofgren, Suction nozzle, filed Sept. 29, 1938, D. C., E. D. Pa., Doc. 25, *Electrolux Corp.* v. *Radio Electric Service Co. of Pa.*

1,850,214, C. M. O'Neil, Piston skirt expander, D. C. Minn. (Minneapolis), Doc. E 2985, *Thexton Mfg. Co.* v. *E. L. Soland et al.* Decree for plaintiff, granting injunction Oct. 3, 1938.

1,850,813, 1,957,345, R. C. Smalley, Fuse; 1,927,369, C. E. Kriegstedt, Renewable fuse; 1,927,371, same, Fuse; 1,927,334, C. H. Cole, same; 1,927,335, same, Cartridge fuse, D. C., S. D. N. Y., Doc. E 82/226, *Indicating Fuse Mfg. Corp.* Consent order dismissing bill with prejudice (notice Oct. 10, 1938).

1,855,164. (See Re. 19,634.)

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1,863,740, W. I. Bettis, Casing protector, D. C., S. D. Calif. (Los Angeles), Doc E 1014–M, *E. B. Kleaver* v. *C. L. Patterson et al.* Dismissed by stipulation Oct. 3, 1938.

1,881,106. (See 1,783,864.)

1,883,870. (See Re. 19,634.)

1,883,871. (See Re. 19,634.)

1,889,758. (See Re. 16,870.)

1,927,334. (See 1,850,813.) 1,927,335. (See 1,850,813.)

1,927,369. (See 1,850,813.) 1,927,371. (See 1,850,813.)

1,946,210. (See Re. 19,634.)

1,946,268. (See Re. 19,634.)

1,954,082. (See 1,803,262.) 1,957,345. (See 1,850,813.)

1,958,580, A. A. Kasarjian, Spark plug, filed Oct. 11, 1938, D. C., S. D. N. Y., Doc. 1–116, *Aero Spark Plug Co., Inc., et al.* v. *Champion Spark Plug Co.*

1,959,141. (See 1,812,994.)

1,960,038, Williston & Nichols, Well surveying device; 2,012,455, C. B. Bozzoni, same; 2,012,456, G. L. Kothny, same, filed Oct. 4, 1938, D. C., S. D. Calif. (Los Angeles), Doc. 24–Y, *Sperry-Sun Well Surveying Co.* v. *K. Lutschg.*

1,964,422. (See Re. 19,634.)

1,964,438. (See Re. 19,634.)

1,967,091, L. A. Kempton, Electric wiring system, D. C., S. D. W. Va. (Charleston), Doc. 3474, *General Electric Co.* v. *Bulldog Electric Products Co.* Decree holding General Electric Co. owner of entire right, title and interest in said patent Sept. 16, 1938. Appeal taken Sept. 22, 1938.

1,968,409, 1,968,410, B. Liebowitz, Apparel, filed Sept. 2, 1938, D. C., W. D. S. C. (Greenville), Doc. E 550, *Trubenizing Process Corp.* v. *Piedmont Shirt Co.*

1,968,410. (See 1,968,409.) 1,972,253. (See 1,783,864.)

1,981,538. (See Re. 19,634.)

1,999,389. (See Re. 19,634.)

2,012,455. (See 1,960,038.) 2,012,456. (See 1,960,038.)

2,027,543. (See 1,849,515.) 2,048,423. (See 1,537,944.)

2,070,399, T. H. Goldring, Container and carrier for bottled goods; 2,094,744, C. D. Keith, Bottle carrier, suit for declaratory judgment filed Oct. 3, 1938, D. C., S. D. N. Y., Doc. 1–76, *O. Y. Warren* v. *C. D. Keith.*

2,094,744. (See 2,070,399.)

2,100,274, B. Clayton, Process for refining oils; 2,100,275, same, et al., Process of refining glyceride oils, D. C., Del., Doc. E 1236, *Refining, Inc.*, v. *Wilson & Co., Inc.* Consent decree dismissing bill Sept. 15, 1938. Doc. E 1242, *Refining, Inc.*, v. *Interstate Cotton Oil Refining Co.* Decree as above.

2,100,275. (See 2,100,274.)

2,100,868, A. Oppenheimer, Jr., Slip cover for furniture, filed Oct. 13, 1938, D. C., S. D. N. Y., Doc. 1–125, *The Comfy Mfg. Co.* v. *Med-Vogue Corp.*

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Re. 15,462 (of 1,389,982), M. Ratel, Automatic stoker of the underfeed type, filed Aug. 9, 1938, D. C., E. D. Pa., Doc. 10083, *M. Ratel* v. *American Engineering Co.*

Re. 16,823. (See 1,224,518.)

Re. 16,870, 1,889,758, T. H. Nakken, Means for transforming light impulses into electric current impulses, filed Oct. 1, 1938, D. C., S. D. N. Y., Doc. 1–66, *Nakken Patents Corp.* v. *Western Electric Co., Inc., et al.*

Re. 16,889. (See 1,224,518.)

Re. 17,353. (See 1,224,518.)

Re. 17,440. (See Re. 19,634.)

Re. 19,167, H. H. Polk, Jr., Fountain pen; Re. 19,530, W. A. Sheaffer, same, D. C., S. D. N. Y., Doc. E 81/11, *W. A. Sheaffer Pen Co.* v. *The Wahl Co.* Dismissed with prejudice (notice Oct. 8, 1938).

Re. 19,530. (See Re. 19,167.)

Re. 19,634 (of 1,675,593), J. A. Bohnsack, Floor shim; 1,883,870, same, Metallic building element; 1,999,389, 1,724,821, same, Sectional partition unit construction; 1,773,704, same, Adjustable plinth block; 1,842,144, same, Panel unit connecting clip; 1,803,589, same, Adjustable abutment mould; 1,842,308, same, Joint between metallic building units; 1,883,871, same, Interlocking construction for metal partitions; 1,816,512, same, Panel unit; Re. 17,440, E. F. Hauserman et al., Metal partition; 1,725,350, same, Interchangeable partition insert; 1,842,094, 1,681,805, 1,856,995, 1,946,210, same, Metallic wall structure; 1,855,164, Balch & Bohnsack, Glazing construction for metal partition panels; 1,946,268, same, Metallic partition construction; 1,981,538, same, Adjustable door unit for sectional partitions; 1,964,422, Bender & Waite, Metallic partition; 1,964,438, F. M. Kramer, Pilaster for metallic building structure, filed Aug. 1, 1935, D. C., S. D. N. Y., Doc. E 81/38, Re. 19,822, E. F. Hauserman et al., Metallic wall structure, included by amendment July 26, 1937, *The E. F. Hauserman Co.* v. *Atlantic Steel Products Corp. et al.* Consent decree (as to Atlantic Steel Products Co.) for plaintiff as to Re. 17,440, Re. 19,822, 1,842,144, 1,842,308, 1,855,164, 1,964,438, 1,999,389. All other patents mentioned above and not here included were eliminated by amendment to bill July 26, 1937 (notice Oct. 11, 1938).

Re. 19,822. (See Re. 19,634.)

Re. 19,891 (of 1,451,491), S. H. Calkins, Pattern and guide strip, D. C., E. D. Pa., Doc. 10115, *The Traitel Marble Co.* v. *Italian Marble Mosaic Co.* Consent decree granting injunction Oct. 3, 1938.

Des. 109,341, H. T. Roberts, Cabinet for phonograph, D. C., N. D. Calif. (San Francisco), Doc. E 4272–L, *J. P. Seeburg Corp.* v. *S. Tessler* (*Okland Automatics Sales Co.*). Consent decree holding design patent valid and infringed, injunction Oct. 7, 1938.

Des. 111,558, Y. Guyon, Dress, filed Oct. 10, 1938, D. C., S. D. N. Y., Doc. 1–113, *M. Cohn* (*Marianna Gowns*) v. *J. Annuziata* (*Donnaline Dress Co.*).

Des. 111,565, J. Eitinger, Decorative nail, filed Oct. 8, 1938, D. C., S. D. N. Y., Doc. 1–99, *Eitinger Bead Co., Inc.*, v. *C. & C. Button & Trimming, Inc.*

Des. 111,646, A. Ruchman, Dress, filed Oct. 13, 1938, D. C., S. D. N. Y., Doc. 1–128, *Apex Dress Co., Inc.*, v. *Joyland Frocks, Inc.*

Disclaimers

1,312,657.—*Edwin L. Wiegand*, Youngstown, Ohio. EMPLACING PROCESS AND APPARATUS. Patent dated August 12, 1919. Disclaimer filed November 2, 1938, by the patentee and the licensee, *Edwin L. Wiegand Company.*

Hereby enter this disclaimer:

A. To so much of claim 34 of said Letters Patent as may cover any process other than: The process of embedding an antecedently arranged electric resistance element in a provided body of impressionable electrical insulating material, the element being associated with means holding the element in formation, consisting in introducing the antecedently arranged element into the provided body of material while the element continues to be associated with said means, and displacing the material under pressure exerted at least in part by said means, to cause it to envelop the element.

B. To so much of claim 35 of said Letters Patent as may cover any process other than for embedding an electric resistance element arranged in relatively thin and wide formation in a provided body of impressionable electrical insulating material or in which the element is not introduced broadside into the provided body of material.

1,613,426.—*Edwin L. Wiegand*, Pittsburgh, Pa. PROCESS OF PRODUCING ELECTRICAL HEATING ELEMENT. Patent dated January 4, 1927. Disclaimer filed November 2, 1938, by the patentee and the licensee, *Edwin L. Wiegand Company.*

Hereby enter this disclaimer:

A. To so much of claim 2 of said Letters Patent as may cover any process except for producing an extended-resistor sheet-metal-sheathed electrical heating element relatively thin and wide in cross section and having the resistor embedded in granular refractory electrical insulating material, or any process unless using a part that is relatively shallow channel shape in cross section, binder-containing electrical insulating material at least part of which is unintegrated and has the binder thereof unset, a resistor that is a resistance conductor arranged in a formation correspondingly relatively thin and wide in cross section, and a complementary part that is sheet metal, or any process except a process in which the quantity of electrical insulating material is applied through the open face of the part, securing the complementary part completes a sheet metal sheath relatively thin and wide in cross section enclosing the insulating material and the resistor, the pressure is in a direction generally perpendicular to the major cross-sectional dimension of the element, and subjecting the element to pressure re-forms the unintegrated material and forms the entire material into a compact mass embedding the resistor and in heat-conduction contact both with all parts of the surface of the conductor over substantially the entire length of the conductor and with all parts of the interior of the sheath over all parts of the exterior of the mass, or any process except for producing an element that subsequently is heated to set the unset binder.

B. To so much of claim 5 of said Letters Patent as may cover any process except: The process of producing an extended-resistor sheet-metal-sheathed electrical heating element relatively thin and wide in cross section and having the resistor embedded in granular refractory electrical insulating material, which comprises the steps of introducing into the open side of a relatively shallow sheet metal receptacle, a quantity of granular refractory electrical insulating material and a resistor composed of a resistance conductor arranged in a formation correspondingly relatively thin and wide in cross section, at least part of said material being unintegrated, closing the open side of the receptacle by adding a complementary sheet metal part completing a sheet metal sheath relatively thin and wide in cross section enclosing the resistor and the material, and compressing the element in a direction generally perpendicular to the major cross-sectional dimension thereof re-forming the unintegrated material and forming the entire material into a compact mass embedding the resistor and in heat-conduction contact both with all parts of the surface of the conductor over substantially the entire length of the conductor and with all parts of the interior of the sheath over all parts of the exterior of the mass.

C. To so much of claim 9 of said Letters Patent as may cover any process except: The process of producing an extended-resistor sheet-metal-sheathed electrical heating element relatively thin and wide in cross section and having the resistor embedded in granular refractory electrical insulating material, which comprises the successive steps of introducing in a generally lateral direction into a relatively shallow sheet metal receptacle that is open on one side, through the open face thereof, a mass of impressionable unintegrated granular refractory electrical insulating material containing unset binder; embedding a resistor in said material, said resistor being arranged in a formation correspondingly relatively thin and wide in cross section; closing the receptacle by adding a complementary sheet metal part completing a sheet metal sheath relatively thin and wide in cross section enclosing the resistor and the material, and compressing the element in a direction generally perpendicular to the major cross-sectional dimension thereof re-forming the unintegrated material, and heating the element and setting the unset binder.

1,614,330.—*Edwin L. Wiegand*, Dormont Borough, Pa. ELECTRICAL HEATING ELEMENT. Patent dated January 11, 1927. Disclaimer filed November 2, 1938, by the patentee and the licensee, *Edwin L. Wiegand Company.*

Hereby enter this disclaimer:

A. To so much of claim 1 of said Letters Patent as may cover any electrical heating element in which the sheath surrounding the resistor is not relatively thin and wide in cross section, or does not constitute a surface of relatively large area for the transfer of the heat from the element, or does not define a relatively shallow cavity of relatively small capacity, or in which the resistor is not arranged in a formation correspondingly relatively thin and wide in cross section, or in which the electrical insulating material is not compacted, or in which no part of the electrical insulating material is integrated into formation positively spacing the resistor from the sheath.

B. To so much of claim 3 of said Letters Patent as may cover any electrical heating element in which the sheath surrounding the resistor is not relatively thin and wide in cross section, or does not constitute a surface of relatively large area for the transfer of the heat from the element, or does not define a relatively shallow cavity of relatively small capacity, or in which the resistor is not a resistance conductor arranged in a formation correspondingly relatively thin and wide in cross section, or in which the electrical insulating material is not of high heat conducting quality, or in which the electrical insulating material is not in heat-conduction contact both with all parts of the surface of said conductor over substantially the entire length of said conductor and with all parts of the interior of the sheath surrounding the resistor and adapted to conduct the heat generated in the resistor arranged in said relatively thin and wide formation substantially from all parts of the surface thereof readily and directly to all parts of said relatively large area heat-transfer surface, or in which no part of the electrical insulating material is in integrated condition and disposed in position positively spacing the resistor from the sheath.

C. To so much of claim 5 of said Letters Patent as may cover any electrical heating element in which the electrical insulating material is not of high heat conducting quality, or in which the sheath surrounding the resistor is not relatively thin and wide in cross section, or does not constitute a surface of relatively large area for the transfer of the heat from the element, or does not define a relatively shallow cavity of relatively small capacity, or in which the resistor is not a resistance conductor arranged in a formation correspondingly relatively thin and wide in cross section, or in which the electrical insulating material is not in heat-conduction contact both with all parts of the surface of said conductor over substantially the entire length of said conductor and with all parts of the interior of the sheath surrounding the resistor and adapted to conduct the heat generated in the resistor arranged in said relatively thin and wide formation substantially from all parts of the surface thereof readily and directly to all parts of said relatively large area heat-transfer surface.

D. To so much of claim 12 of said Letters Patent as may cover any electrical heating element in which the electrical insulating material is not of high heat conducting quality, or in which the sheath surrounding the resistor is not relatively thin and wide in cross section, or does not constitute a surface of relatively large area for the transfer of the heat from the element, or does not define a relatively shallow cavity of relatively small capacity, or in which the resistor is not a resistance conductor arranged in a formation correspondingly relatively thin and wide in cross section, or in which the electrical insulating material is not in heat-conduction contact both with all parts of the surface of said conductor over substantially the entire length of said conductor and with all parts of the interior of the sheath surrounding the resistor and adapted to conduct the heat generated in the resistor arranged in said relatively thin and wide formation substantially from all parts of the surface thereof readily and directly to all parts of said relatively large area heat-transfer surface.

1,614,331.—*Edwin L. Wiegand*, Dormont Borough, Pa. ELECTRICAL HEATING ELEMENT. Patent dated January 11, 1927. Disclaimer filed November 2, 1938, by the patentee and the licensee, *Edwin L. Wiegand Company.*

Hereby enter this disclaimer:

A. To so much of claim 4 of said Letters Patent as

may cover any electrical heating element in which the electrical insulating material is not compacted and of high heat conducting quality, or in which the resistor is not arranged in an annular formation correspondingly relatively thin and wide in cross section or is not provided with terminals, or in which no part of the electrical insulating material is integrated into block means positively spacing the resistor from the sheath and mounting and supporting said terminals.

B. To so much of claim 5 of said Letters Patent as may cover any electrical heating element in which the electrical insulating material is not compacted and of high heat conducting quality, or in which the resistor is not arranged in a formation which also is in the nature of an endless strip that is thin relative to its width, or in which the resistor is not provided with terminals, or in which no part of the electrical insulating material is integrated into block means positively spacing the resistor from the sheath and mounting and supporting said terminals.

C. To so much of claim 6 of said Letters Patent as may cover any electrical heating element in which the electrical insulating material is not compacted and of high heat conducting quality, or in which the resistor is not arranged in a formation of like configuration to the element, or in which the resistor is not provided with terminals, or in which all parts of the electrical insulating material are not in integrated form whereby said material is held against egress through openings in the sheath and the resistor is held spaced from the sheath.

D. To so much of claim 7 of said Letters Patent as may cover any electrical heating element in which the electrical insulating material is not compacted and of high heat conducting quality, or in which the resistor is not arranged in a formation of like configuration to the element, or in which all parts of the electrical insulating material are not in integrated form whereby said material is held against egress through openings in the sheath and the resistor is held spaced from the sheath, or in which the resistor is not provided with terminals mounted and supported by the integrated material.

1,826,340.—*Reuben E. Bechtold*, Fort Wayne, Ind. LIQUID DISPENSING APPARATUS. Patent dated October 6, 1931. Disclaimer filed November 10, 1938, by the assignee, *S. F. Bowser and Company, Incorporated.*

Hereby enters this disclaimer to claim 31 in said specification.

1,868,343.—*Alpheus W. Altorfer*, Peoria, Ill. CONTROL MEANS FOR WASHING MACHINE ROLL WRINGER MECHANISM. Patent dated July 19, 1932. Disclaimer filed November 14, 1938, by the patentee.

Hereby enters this disclaimer of claim 1.

2,030,735.—*Charles F. Belshaw* and *William J. La Casse*, Duluth, Minn. ICE CUBER. Patent dated February 11, 1936. Disclaimer filed November 8, 1938, by the assignee, *The Coolerator Company.*

Hereby enters this disclaimer to claims 1, 2, 7, 8, 9, and 10 of said Letters Patent.

2,050,028.—*Isaac L. Wilcox*, Fulton, N. Y. CONTAINER. Patent dated August 4, 1936. Disclaimer filed November 8, 1938, by the assignee, *Oswego Falls Corporation.*

Hereby enters this disclaimer to claims 3, 5, and 6 in said specification.

2,084,117.—*Fred D. Williams, Jr.*, New Rochelle, N. Y. RECTIFIER OUTPUT VOLTAGE REGULATOR. Patent dated June 15, 1937. Disclaimer filed November 8, 1938, by the assignee, *Ruben Rectifier Corporation.*

Hereby enters this disclaimer to claims 1, 2, 3, 4, 5, 6, 7, 14, and 15.

2,086,364.—*Henry Loyd Pike*, Hampton, Va. AUTOMATIC CLUTCH. Patent dated July 6, 1937. Disclaimer filed November 7, 1938, by the assignee, *Bendix Products Corporation.*

Hereby enters this disclaimer to claims 1 and 8 of said patent.

2,103,284.—*Ralph S. Whittington*, Oak Park, Ill. AUTOMATIC CONTROL OF CLUTCH AND THROTTLE ACTUATION OF AN AUTOMOTIVE VEHICLE. Patent dated December 28, 1937. Disclaimer filed November 7, 1938, by the assignee, *Bendix Products Corporation.*

Hereby enters this disclaimer to claim 6 of said patent.

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 6, 1938

[VOL. 497. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 399,709. GOTTESMAN AND COMPANY, INCORPORATED, New York, N. Y. Filed Nov. 13, 1937.

BEAVER

G

The word "Beaver" is disclaimed apart from the mark.
For Wood Pulp.
Claims use since Dec. 8, 1936.

Ser. No. 399,960. GOTTESMAN AND COMPANY, INCORPORATED, New York, N. Y. Filed Nov. 20, 1937.

ACE

G

For Wood Pulp.
Claims use since Feb. 17, 1936.

Ser. No. 399,961. GOTTESMAN AND COMPANY, INCORPORATED, New York, N. Y. Filed Nov. 20, 1937.

LAKE

G

The word "Lake" is disclaimed apart from the mark.
For Wood Pulp.
Claims use since Dec. 7, 1935.

Ser. No. 409,464. EMERY INDUSTRIES, INC., Cincinnati, Ohio. Filed Aug. 11, 1938. Under 10-year proviso.

EMERY

For Tar or Pitch.
Claims use since 1840.

Ser. No. 410,886. JUD YOHO, doing business as Yoho & Hooker, Youngstown, Ohio. Filed Sept. 22, 1938.

PERMACEDAR

For Kennel Bedding.
Claims use since Sept. 1, 1935.

Ser. No. 410,887. JUD YOHO, doing business as Yoho & Hooker, Youngstown, Ohio. Filed Sept. 22, 1938.

SANICEDAR

For Kennel Bedding.
Claims use since Sept. 1, 1936.

Ser. No. 411,590. AMERICAN FIBRE CORPORATION, Troy, N. Y. Filed Oct. 14, 1938.

AFCASENE

For Rayon Staple Fibre.
Claims use since Oct. 1, 1938.

Ser. No. 411,591. AMERICAN FIBRE CORPORATION, Troy, N. Y. Filed Oct. 14, 1938.

AFCO

For Rayon Staple Fibre.
Claims use since Oct. 1, 1938.

Ser. No. 411,594. ATLANTIC SPONGE & CHAMOIS CORPORATION, New York, N. Y. Filed Oct. 14, 1938.

SA-TAN

For Chamois Skin.
Claims use since July 29, 1938.

CLASS 2

Receptacles

Ser. No. 411,327. AMERICAN LACE PAPER COMPANY, Milwaukee, Wis. Filed Oct. 6, 1938.

american

PAPER PRODUCTS OF DISTINCTION

Applicant disclaims the wording apart from the mark.
For Paper Baking Cups, Paper Butter Chips, Paper Candy Cups, Paper Chop Holders, Paper Drinking Cups, Eclair Cases, Paper Finger Bowl Liners, Paper Cups and Containers, Paper Ramekins, and Paper Sundae Dish Liners.
Claims use since February, 1936.

Ser. No. 411,416. ILLINOIS WATCH CASE COMPANY, doing business as Elgin American Division of Illinois Watch Case Company, Elgin, Ill. Filed Oct. 8, 1938.

ENCHANTRESS

For Vanity Cases, All Empty and Made in Whole or in Part of Base Metal.
Claims use since Oct. 3, 1938.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 409,725. DERRIS, INC., New York, N. Y. Filed Aug. 18, 1938.

1-SHOT

For Flushing Powder for Closet Bowls or the Like.
Claims use since July 1, 1938.

Ser. No. 410,475. PATENT CEREALS COMPANY, Geneva, N. Y. Filed Sept. 12, 1938.

DIC-A-DAILY

For Cleanser for General Household and Laundry Use Having Incidental Water Softening Properties.
Claims use since Aug. 19, 1938.

Ser. No. 411,582. THE MINNESOTA CHEMICAL COMPANY, INC., St. Paul, Minn. Filed Oct. 13, 1938.

LUSTRONOL

For Washing Powders for Use Particularly in Creameries and Dairies for Washing Utensils and for General Cleaning Purposes.
Claims use since Aug. 25, 1938.

Ser. No. 411,583. THE MINNESOTA CHEMICAL COMPANY, St. Paul, Minn. Filed Oct. 13, 1938.

PURGO

For Detergents and Soap Builders for Laundry Purposes.
Claims use since Aug. 13, 1938.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 381,520. BELLENES GREEK OINTMENT COMPANY, Washington, Pa. Filed July 28, 1936.

BELLENES

For Healing Ointment.
Claims use since June 1, 1936.

Ser. No. 405,398. JOHN MCNEILL, Jersey City, N. J. Filed Apr. 18, 1938.



No claim is made for the words "Hair Restorer" apart from the mark.
For Hair Restorer.
Claims use since Dec. 5, 1937.

Ser. No. 410,163. HARRIET HUBBARD AYER, INC., New York, N. Y. Filed Sept. 1, 1938.

BEAUTY CADDY

No claim is made to the word "Beauty" apart from the mark.
For Group of Selected Cosmetic Preparations Including Cold Cream, Make-Up Cream, Face Powder, Skin Tonic, and Perfume.
Claims use since Aug. 1, 1938.

Ser. No. 410,617. JOSEPH SIMELSON, New York, N. Y. Filed Sept. 15, 1938.

LITTLE IMP

For Baby Cream and Powder.
Claims use since Aug. 2, 1937.

Ser. No. 410,813. ROY M. SINGER, Los Angeles, Calif. Filed Sept. 19, 1938.

CHANTEUR

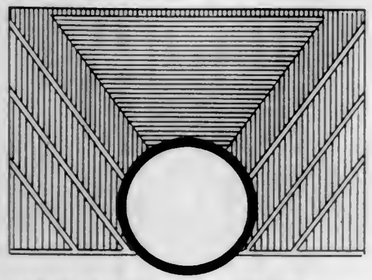
For Perfumes and Toilet Waters.
Claims use since Sept. 20, 1934.

Ser. No. 410,896. WILLIAM W. BROWN, doing business as Sebasto Institute, Minneapolis, Minn. Filed Sept. 23, 1938.

SE-BASTO

For Medicinal Tea for Producing Elimination by and Sedative Upon the Kidneys and Urinary Bladder and for Producing Stimulative Action Upon the Liver.
Claims use since 1933.

Ser. No. 411,142. WAGNER ELECTRIC CORPORATION, St. Louis, Mo. Filed Sept. 30, 1938.



The drawing is lined for blue and red.

For Fluid Composition for Use in Fluid Pressure Apparatus and Systems.

Claims use since Oct. 1, 1934.

Ser. No. 411,175. NATIONAL BIO-CHEMICAL CO., Los Angeles, Calif. Filed Oct. 1, 1938.

Vi-KA-Min

For Tablet Compound for Treatment of Vitamin and Mineral Deficiency.

Claims use since Aug. 12, 1938.

Ser. No. 411,241. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Oct. 3, 1938.

COMBEX

For Preparation Containing Vitamin B Used in the Treatment of Vitamin B Deficiency.

Claims use since Sept. 16, 1938.

Ser. No. 411,243. PICOT LABORATORIES, INC., Wilmington, Del. Filed Oct. 3, 1938.



The color of the container is orange-yellow; the wistaria, the script PICOT, and the narrow circular vertically-hatched ring or band are purple; the block PICOT is white. This color scheme is an essential feature of the mark. The outer band or ring of the drawing represents the flanged side of the container cover but no claim is made to the shape of said cover.

For Laxative and Purgative Preparation—Namely, Magnesia.

Claims use since Aug. 20, 1938.

Ser. No. 411,255. ERNEST H. VANDERVORT, doing business as Vandervort Drug Co., Birmingham, Mich. Filed Oct. 3, 1938.

CAL-O-CARB

For Medicinal Preparation for the Treatment of Ulcers of the Stomach, Indigestion, Gas Pains, Cramps, Heartburn, and Nausea.

Claims use since Nov. 15, 1932.

Ser. No. 411,303. MEDICAL CHEMICALS, INC., Baltimore, Md. Filed Oct. 5, 1938.

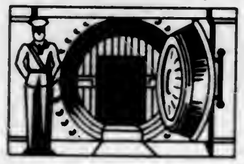
ISO-PAR

For Germicidal and Fungicidal Preparations.

Claims use since Sept. 2, 1938.

Ser. No. 411,435. WALLACE BRANDS, INC., New York, N. Y. Filed Oct. 7, 1938.

SURETY



For Medicinal Products, Aspirin Tablets, Chocolate Flavored Laxative, Milk of Magnesia Tablets, Cold Tablets, Alkaline Effervescent Tablets; Flaxseed, Menthol and Wild Cherry Cough Syrup; Vitamin Concentrate Capsules, Halibut Liver Oil Capsules, and Halibut Liver Oil with Viosterol Capsules.

Claims use since Nov. 28, 1936.

Ser. No. 411,467. PEGGY SAGE, INC., New York, N. Y. Filed Oct. 10, 1938.



Trade-mark is the facsimile signature of Peggy Sage, applicant's president.

For Nail Polish in Liquid, Paste, Powder, and Cream Form; Nail Polish Remover, Nail Dress, Nail Polish Bases, Nail Polish Thinner, Nail White, Cuticle Remover, Cuticle Oil, Cuticle Cream, Hand Creams, Hand Lotions, Hand Whitener and Hand Smoother and Softener, Nicotine Stain Remover, Nail White Pencils, Sterilizing Solution.

Claims use since Sept. 30, 1938.

Ser. No. 411,548. HELENA RUBINSTEIN, INC., New York, N. Y. Filed Oct. 12, 1938.

slumber song

For Toilet Waters, Perfumes, Lipsticks, and Rouges for Cosmetic Purposes.

Claims use since Aug. 15, 1938.

Ser. No. 411,673. ASSOCIATED DISTRIBUTORS, INC., Chicago, Ill. Filed Oct. 17, 1938.

LUSH

For Lipstick, Rouge, Face Powder, Eyelash and Eyebrow Mascara; Pads Impregnated with Deodorant and Antiperspirant Lotion, Creams for the Hands and Face; Preparations for the Skin, Hair, and Finger Nails, and Perfumes.

Claims use since Apr. 10, 1937.

CLASS 10

Fertilizers

Ser. No. 409,559. CHEMICALS LIMITED, Montreal, Quebec, Canada. Filed Aug. 13, 1938.

AUXAN

For Plant Hormone Preparations for Stimulating or Assisting the Rooting of Cuttings.

Claims use since Apr. 1, 1938.

CLASS 11

Inks and Inking Materials

Ser. No. 411,281. NUODEX PRODUCTS CO., INC., Elizabeth, N. J. Filed Oct. 4, 1938.

NUODITE

For Ink Driers.

Claims use since May 9, 1935.

CLASS 12

Construction Materials

Ser. No. 406,664. THE ROCK-DAOUST LUMBER COMPANY, Cleveland, Ohio. Filed May 21, 1938.



No claim is made to "Cleveland, Ohio" and "Wood Cypress Finish" apart from the mark.

For Pecky Cypress Lumber, Wood Cypress Finish Which Is Kiln Dried and Machine Worked for Interior Trim.

Claims use since Apr. 15, 1938.

Ser. No. 411,410. A. P. GREEN FIRE BRICK COMPANY, Mexico, Mo. Filed Oct. 8, 1938.

KAST-O-LITE

For Castable Refractory.

Claims use since Sept. 16, 1938.

Ser. No. 411,446. CALIFORNIA REDWOOD ASSOCIATION, San Francisco, Calif. Filed Oct. 10, 1938. Under act of Feb. 20, 1905, as amended June 10, 1938.

CRA

For Lumber.

Claims use since Mar. 14, 1938.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 408,160. JOS. GREENSPON'S SON PIPE CORP., National Stock Yards, Ill. Filed July 2, 1938.

oDEE

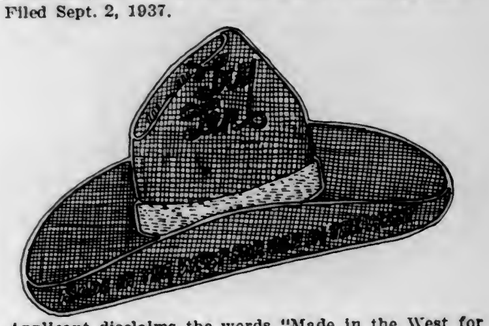
For Line Metal Casing or Piping.

Claims use since Jan. 1, 1933.

CLASS 15

Oils and Greases

Ser. No. 397,062. YALE OIL CORPORATION, Billings, Mont. Filed Sept. 2, 1937.



Applicant disclaims the words "Made in the West for Use in the West" apart from the mark. The drawing is lined for yellow and black.

For Gasoline and Lubricating Oils and Greases.

Claims use since Apr. 23, 1937.

Ser. No. 404,238. THE TEXAS COMPANY, New York, N. Y. Filed Mar. 18, 1938.

ORION

For Lubricating Oils.
Claims use since Feb. 25, 1938.

CLASS 16

Paints and Painters' Materials

Ser. No. 403,204. HERMANN FRENKEL, Molkau, Germany. Filed Feb. 19, 1938.

GRIFFOLIT

For Varnishes, Lacquers, Finishing Lacquers, Polishing Rubbing Lacquers, and Polishing Solutions for Wood and Furniture and Other Articles of Wood.
Claims use since Sept. 9, 1935.

Ser. No. 411,469. SHELL CHEMICAL COMPANY, San Francisco, Calif. Filed Oct. 10, 1938.

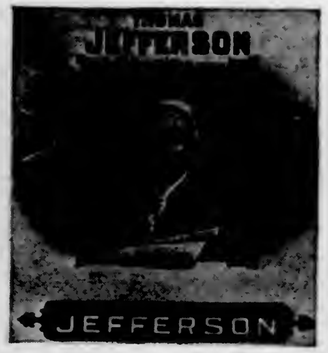
NEOSOLVE

For Lacquer Thinner, Lacquer Solvent, Paint Thinner, and Paint Solvent.
Claims use since Sept. 20, 1938.

CLASS 17

Tobacco Products

Ser. No. 410,084. MARCELINO PEREZ & COMPANY, Tampa, Fla. Filed Aug. 29, 1938.



The portrait is that of Thomas Jefferson, third President of the United States.
For Cigars.
Claims use since 1885.

Ser. No. 411,006. JOHN MIDDLETON, INC., Philadelphia, Pa. Filed Sept. 26, 1938.



For Smoking Tobacco.
Claims use since July 22, 1938.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 410,722. CRAWFORD MANUFACTURING COMPANY, INC., Richmond, Va. Filed Sept. 19, 1938.

SLACKS

For Automobile Slip Covers.
Claims use since Sept. 8, 1938.

Ser. No. 411,188. SLEETEX COMPANY, INC., New York, N. Y. Filed Oct. 1, 1938.



RAIN-CHIEF

The portrait is fanciful.
For Windshield Wiper.
Claims use since July 19, 1938.

Ser. No. 411,657. ROLLS-ROYCE LIMITED, Derby, England. Filed Oct. 15, 1938.

PHANTOM

For Automobiles.
Claims use since 1925.

Ser. No. 411,658. ROLLS-ROYCE LIMITED, Derby, England. Filed Oct. 15, 1938.

WRAITH

For Automobiles.
Claims use since May, 1938.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 397,550. RCA MANUFACTURING COMPANY, INC., Camden, N. J. Filed Sept. 18, 1937.

RCA ALL THE WAY

For Radio Receiving Sets, Broadcast Transmitters, and Parts Thereof.
Claims use since June 1, 1937.

Ser. No. 405,018. GENERAL MOTORS CORPORATION, Detroit, Mich. Filed Apr. 8, 1938.

FRIGIDAIRE

For Electric Ranges.
Claims use since Oct. 7, 1937.

Ser. No. 408,307. THE BRUSH DEVELOPMENT COMPANY, Cleveland, Ohio. Filed July 8, 1938.

TRANSFILTER

For Electrically Actuated Mechanical Vibrators for Electric Wave Filters and Vacuum Tube Oscillator Circuits.
Claims use since Apr. 7, 1937.

Ser. No. 411,475. UNITED STATES BATTERY PRODUCTS, INC., New York, N. Y. Filed Oct. 10, 1938.

Uscoloid

For Battery Separators.
Claims use since Sept. 12, 1938.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 407,097. FIRTH-STERLING STEEL COMPANY, McKeesport, Pa. Filed June 4, 1938.

MO-CHIP

The word "Chip" is disclaimed apart from the mark.
For Lathe, Planer and Boring Tools, Milling Cutters, Drills, Reamers, End Mills, Toolholder Bits, and Roll Turning Tools Used in the Metal, Wood, Stone, and Glass Industries.
Claims use since May 24, 1938.

Ser. No. 408,878. ESQUIRE SALES CO., Cleveland, Ohio. Filed July 25, 1938.

TEK

For Razor Blades.
Claims use since June 6, 1938.

Ser. No. 409,949. WILLIAMS OIL-O-MATIC HEATING CORPORATION, Bloomington, Ill. Filed Aug. 24, 1938.

SERV-O-MATIC

For Vending Machines and Parts Thereof.
Claims use since Aug. 18, 1938.

Ser. No. 409,962. ECONOMY EQUIPMENT CO., Chicago, Ill. Filed Aug. 25, 1938.

BELTURN

For All-Mechanical Stationary Conveyors Functioning in the Manner of Belts, and Adapted to Convey Candies, Cakes, Etc., in the Operation of Manufacture Apparatus.
Claims use since Aug. 4, 1938.

Ser. No. 410,329. ROBERT J. LLOYD, Detroit, Mich. Filed Sept. 7, 1938.

R.J.L.

For Slug Adjusters and Brake Shoes for Typesetting Machines, and Jigs for Reconditioning Matrices for Typesetting Machines.
Claims use since February, 1938.

Ser. No. 410,452. CONSOLIDATED SEWING MACHINE AND SUPPLY CO., INC., New York, N. Y. Filed Sept. 12, 1938.



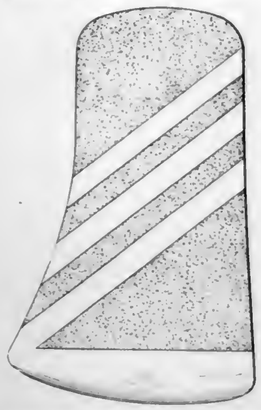
The word "American" is disclaimed apart from the mark.
For Sewing Machine Needles.
Claims use since Mar. 22, 1938.

Ser. No. 410,559. RUSSELL STOVER, doing business as Zephyr Freeze Company, Kansas City, Mo. Filed Sept. 14, 1938.

Zephyr

For Machines and Devices for Processing and Converting Normally Liquid Materials Frozen to a Substantially Solid State.
Claims use since June 15, 1937.

Ser. No. 411,429. VAUGHAN & BUSHNELL MFG. CO., Chicago, Ill. Filed Oct. 8, 1938.



The mark consists of a plurality of parallel diagonally extending stripes on both side faces of the axe head. No claim is made to the exclusive use or the representation of a single bitted axe apart from the mark as shown and described.

For Single Bitted Axes.
Claims use since Sept. 6, 1938.

Ser. No. 411,430. VAUGHAN & BUSHNELL MFG. CO., Chicago, Ill. Filed Oct. 8, 1938.



The mark consists of a plurality of parallel diagonally extending stripes on both side faces of the axe head. No claim is made to the exclusive use or the representation of a double bitted axe apart from the mark as shown and described.

For Double Bitted Axes.
Claims use since Sept. 6, 1938.

CLASS 24

Laundry Appliances and Machines.

Ser. No. 408,750. THE BRITISH VACUUM CLEANER & ENGINEERING COMPANY LIMITED, London and Leatherhead, England. Filed July 21, 1938.

GOBLIN

For Laundry Washing Machines.
Claims use since Oct. 1, 1936.

Ser. No. 410,343. TINOUE, BROWN & CO., New York, N. Y. Filed Sept. 7, 1938.

COMBINO

For Coverings of Textile Material for Laundry Presses.
Claims use since Aug. 3, 1938.

Ser. No. 411,191. SUPER IRONER CORPORATION, St. Joseph, Mich. Filed Oct. 1, 1938.

SUPER IRONER

The word "Ironer" is disclaimed apart from the mark.
For Ironing Machines.
Claims use since Mar. 17, 1931.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 408,132. HALE PAXTON, doing business as Paxton Products Co., Santa Ana, Calif. Filed July 1, 1938.

Motograph

For Internal Combustion Engine Diagnosing Equipment.
Claims use since Mar. 26, 1938.

Ser. No. 411,262. AGFA ANSCO CORPORATION, Binghamton, N. Y. Filed Oct. 4, 1938.

MEMAR

For Photographic Lenses.
Claims use since Aug. 16, 1938.

Ser. No. 411,365. BACHARACH INDUSTRIAL INSTRUMENT COMPANY, Pittsburgh, Pa. Filed Oct. 7, 1938.

PREMAX

For Engine Pressure Indicators.
Claims use since Feb. 28, 1938.

Ser. No. 411,463. NATIONAL CARBON COMPANY, INC., New York, N. Y. Filed Oct. 10, 1938.

PEARLEX

For Carbons for Use in Blueprint Apparatus and Other Scientific Appliances.
Claims use since June 24, 1935.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 397,663. HENRIETTE, INC., Dayton, Ky. Filed Sept. 22, 1937.

Henriette

For Decorative Vanity Cases Made in Whole or in Part of Precious Metal or Plated in Whole or in Part with the Same.
Claims use since Sept. 3, 1937.

CLASS 32

Furniture and Upholstery

Ser. No. 410,446. ATLANTIC-PACIFIC MFG. CORP., New York, N. Y. Filed Sept. 12, 1938.

APCO

For Hassocks, Ottomans, Floor Cushions, Foot Cushions, Foot Stools, Mattresses, Cushions, Pillows, Boat Mattresses, Boat Cushions, Boat Pillows, Air Mattresses, Air Cushions, Air Pillows.
Claims use since July 12, 1938.

Ser. No. 410,858. THE BECKETT PAPER COMPANY, Hamilton, Ohio. Filed Sept. 22, 1938.

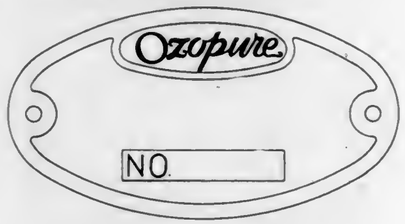
AUTO·FILE

The word "File" is disclaimed apart from the mark.
For File Cabinet for Paper Dummy Sheets.
Claims use since Sept. 21, 1938.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 409,570. HELD PRODUCTS COMPANY, Chicago, Ill. Filed Aug. 13, 1938.



Applicant disclaims the representation of the name plate and the legend "No".

For Air Conditioning Devices Specifically Ozonizers Operating by Electrically Generated Ultra-Violet Light with Built-in Induction Coils and a Motor-Driven Fan.
Claims use since Jan. 1, 1928.

Ser. No. 410,062. AMERICAN GAS ASSOCIATION, INC., New York, N. Y. Filed Aug. 29, 1938. Under act of Feb. 20, 1905, as amended June 10, 1938.



All notations except applicant's name are disclaimed apart from the mark. The drawing is lined for blue.

For Gas Circulating Space Heaters, Gas Domestic Ranges, Gas Floor Furnaces, Gas Garage Heaters; Gas-Fired Hot Water Radiators; Gas-Fired Steam Radiators; Gas Hot Plates; Gas Hot Water House Heating Boilers; Gas Hotel Ranges; Gas Incinerators; Gas Industrial Boilers; Gas Laundry Stoves; Gas Radiant Space Heaters; Gas Restaurant Ranges; Gas Steam House Heating Boilers; Gas Unit Heaters; Gas Warm Air Furnaces; Gas Water Heaters; Gas Air Conditioners; Gas Bain Maries; Gas Baking Ovens; Gas Deep Fat Fryers; Gas Dish Warmers; Gas Griddles; Gas Humidifiers; Gas Roasting Ovens; Gas Roll Warmers; Gas Steam Tables; Gas Toasters; Gas Unit Broilers; and Gas Waffle Bakers.
Claims use since June 4, 1929.

Ser. No. 411,838. MARY E. MCDONALD, Boston, Mass. Filed Oct. 20, 1938.

BROILERIZER

For Broilers Fueled by Charcoal, Broilers Fueled by Charcoal and Gas, and Broilers Fueled by Charcoal and Electricity.
Claims use since June 15, 1938.

CLASS 36

Musical Instruments and Supplies

Ser. No. 397,551. RCA MANUFACTURING COMPANY, INC., Camden, N. J. Filed Sept. 18, 1937.

RCA ALL THE WAY

For Talking Machines and Parts Thereof.
Claims use since June 1, 1937.

Ser. No. 410,416. ANSLEY RADIO CORPORATION, New York, N. Y. Filed Sept. 7, 1938.

DYNATONE

For Electronic Pianos.
Claims use since July 21, 1938.

Ser. No. 411,376. HAMMOND INSTRUMENT COMPANY, Chicago, Ill. Filed Oct. 7, 1938.

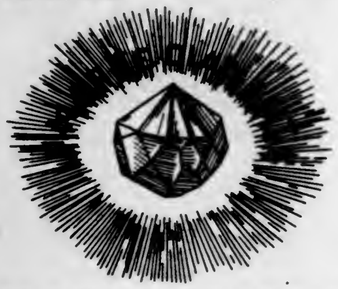
NOVACHORD

For Electrical Musical Instruments in Which the Tone Signals Are Electrically Originated.
Claims use since Aug. 1, 1938.

CLASS 37

Paper and Stationery

Ser. No. 403,256. GEBR. HOESCH, Kreuzau, Germany. Filed Feb. 21, 1938.



No claim is made to the word "Marke" apart from the mark.
For Paper—Namely, Detail Drawing Paper, Sketching Paper, Tracing Paper, Hemp Engraving Paper, and Blank Cards for Use in Making Up Calling Cards.
Claims use since July 11, 1928.

Ser. No. 411,194. RITE-RITE MFG. CO., Chicago, Ill. Filed Oct. 1, 1938.

THREAD LINE

For Mechanical Pencils and Leads for Mechanical Pencils.
Claims use since Aug. 19, 1938.

Ser. No. 411,338. KIMBERLY-CLARK CORPORATION, Neenah, Wis. Filed Oct. 6, 1938.

MULTIFECT

For Book and Printing Papers.
Claims use since Aug. 13, 1938.

CLASS 38

Prints and Publications

Ser. No. 397,778. SONG LYRICS, INC., New York, N. Y. Filed Sept. 24, 1937.

SONG LYRICS

For Magazine Published Periodically.
Claims use since Sept. 15, 1937.

Ser. No. 410,626. AMERICA'S FUTURE, INC., New York, N. Y. Filed Sept. 16, 1938.

AMERICA'S FUTURE

The word "America's" is disclaimed apart from the mark.
For Periodical Publication.
Claims use since Sept. 3, 1938.

Ser. No. 411,324. LOVE ROMANCES PUBLISHING COMPANY, INC., New York, N. Y. Filed Oct. 4, 1938.

BULL'S-EYE DETECTIVE

For Periodical.
Claims use since Aug. 1, 1938.

Ser. No. 411,493. FREE AMERICA, INC., New York, N. Y. Filed Oct. 11, 1938.

FREE AMERICA

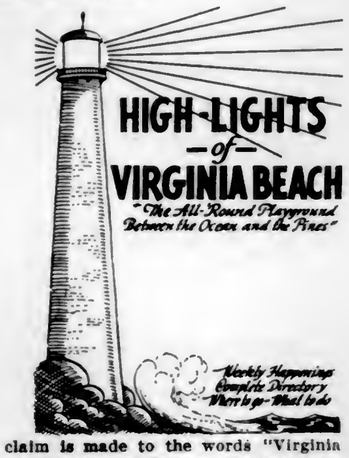
Applicant disclaims the word "America" apart from the mark.
For Monthly Publication.
Claims use since January, 1937.

Ser. No. 411,533. THE INDUSTRIAL WEST, INCORPORATED, San Francisco, Calif. Filed Oct. 12, 1938.

THE INDUSTRIAL WEST

For Magazine.
Claims use since Oct. 7, 1938.

Ser. No. 411,636. SALLY HARBAUGH, Virginia Beach, Va. Filed Oct. 15, 1938.



No claim is made to the words "Virginia Beach The All-Round Playground Between the Oceans and the Pines, Weekly Happenings, Complete Directory, Where to Go, What to Do" apart from the mark shown.
For Magazine Published from Time to Time.
Claims use since July 1, 1938.

CLASS 39

Clothing

Ser. No. 369,769. S. MAKRANSKY AND SONS, INC., Philadelphia, Pa., assignor to S. Makransky & Sons, Philadelphia, Pa., a firm composed of Harry Makransky, Dorthy Makransky, Edward Makransky, Sadye Makransky, and Louis Makransky. Filed Sept. 27, 1935.

BROADLEY WORSTED

No claim is made to the word "Worsted" apart from the mark.
For Suits, Coats, Vests, Pants, Topcoats, and Overcoats for Men.
Claims use since April, 1935.

Ser. No. 379,685. THE ELDER AND JOHNSTON COMPANY, Dayton, Ohio. Filed June 13, 1936.

Debonair

For Women's and Girls' Hats.
Claims use since Feb. 14, 1936.

Ser. No. 396,626. ARNSTEIN-OPPENHEIMER, INC., New York, N. Y. Filed Aug. 21, 1937.



The portrait is that of Deanna Durbin, the professional name of Edna-Mae Durbin.
For Misses' and Children's Coats.
Claims use since May, 1937.

Ser. No. 397,813. MAYFAIR TOGS, INC., New York, N. Y. Filed Sept. 25, 1937.



The expressions "All Wool" and "Worn for Warmth" are disclaimed apart from the mark.
For Girls' and Misses' Snow Suits, Ski Suits, Ski Pants, Jackets, Coats, Hats, Leggings, Overalls, Scarfs, Lumber-Jacks, and Leather and Fabric Mittens.
Claims use since Aug. 23, 1937.

Ser. No. 399,035. JOSEPH H. COHEN & SONS, VANITY CLOTHES, INC., New York, N. Y. Filed Oct. 28, 1937.

SANTA ANITA

For Men's Clothing—Namely, Overcoats, Topcoats, and Suits.
Claims use since Oct. 19, 1937.

Ser. No. 403,614. QUALITY GLOVE CORPORATION, New York, N. Y. Filed Mar. 2, 1938.

THE *Quality* MIDGET

The word "Quality" is disclaimed apart from the mark shown.
For Fabric Gloves.
Claims use since Feb. 1, 1938.

Ser. No. 405,958. G., H., & E. FREYDBERG, INC., New York, N. Y. Filed May 3, 1938.

Scout-Tex

For Children's Wear—Namely, Infants' and Children's Dresses, Boys' Suits.
Claims use since Apr. 12, 1938.

Ser. No. 407,587. DAVID FOX, Philadelphia, Pa. Filed June 17, 1938.



All wording except "Fox" is disclaimed apart from the mark.
For Men's and Boys' Work and Dress Pants and Knickers.
Claims use since May 13, 1925.

Ser. No. 407,944. DAINTY MAID BRASSIERE MFG. COMPANY, New York, N. Y. Filed June 27, 1938.

Dainty Maid
for Dainty Maiden

Applicant disclaims the words "for Dainty Maiden" except as shown.
For Ladies' Brassières.
Claims use since Jan. 2, 1935.

Ser. No. 408,925. LANE BROTHERS COMPANY, Boston, Mass. Filed July 26, 1938.

FOOTLIFE

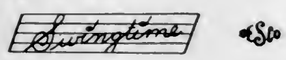
For Shoes Made of Leather, Rubber, Fabric, or Combinations Thereof, for Men, Women, or Children.
Claims use since May 1, 1934.

Ser. No. 409,091. FRANCO CORSET COMPANY, New York, N. Y. Filed July 30, 1938.

bialastic

For Corsets.
Claims use since Apr. 1, 1938.

Ser. No. 409,491. DAVID E. SCHWAB & CO., New York, N. Y. Filed Aug. 11, 1938.



For Handkerchiefs.
Claims use since July 15, 1938.

Ser. No. 410,072. ECLIPSE KNITTING MILLS INC., East Newark, N. J. Filed Aug. 29, 1938.

Cronies

For Men's, Women's, and Children's Wearing Apparel, Particularly Sweaters, Cardigans, Hosiery, Jackets, and Slacks; and Women's and Children's Caps, Hats, Under and Outer Shirts, and Blouses.
Claims use since July 21, 1938.

Ser. No. 410,132. CHICOPEE SALES CORPORATION, New York, N. Y. Filed Aug. 31, 1938.

Chixdown

For Textile Diapers.
Claims use since Apr. 6, 1937.

Ser. No. 410,140. THE JOSEPH & FEISS COMPANY, Cleveland, Ohio. Filed Aug. 31, 1938.



The word "Leather" is disclaimed apart from the mark.
For Topcoats for Men and Boys, Having Removable Linings Made of Leather.
Claims use since Aug. 1, 1938.

Ser. No. 410,218. FAY-MISS BRASSIERE CO., INC., New York, N. Y. Filed Sept. 2, 1938.

Belle of Bali

Applicant disclaims the word "Bali" except as shown.
For Brassières, Bandeaus, Corsets, Corselets, and Girdles.
Claims use since Aug. 22, 1938.

Ser. No. 410,230. LAMM BROTHERS, INCORPORATED, Baltimore, Md. Filed Sept. 2, 1938.

Twin Topper

No claim is made to the word "Topper" apart from the mark.
For Reversible Coats and Zipper Lined Coats for Men, Women, and Children.
Claims use since January, 1938.

Ser. No. 410,292. L. GREIF & BRO., INC., Baltimore, Md. Filed Sept. 6, 1938.

ROYAL AWARD

No claim is made to the word "Award" apart from the mark.
For Topcoats, Overcoats, Coats, Vests, Trousers, and Knickerbockers for Men, Youths, and Boys.
Claims use since July 1, 1938.

Ser. No. 410,366. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J. Filed Sept. 8, 1938.

HI•LO

For Men's and Boys' Hosiery.
Claims use since July 28, 1938.

Ser. No. 410,540. GERSON GOODMAN TUTELMAN COMPANY, Philadelphia, Pa. Filed Sept. 14, 1938.



The word "Kentucky" is disclaimed apart from the mark.
For Men's and Boys' Outer Dress and Negligee Shirts.
Claims use since Aug. 5, 1937.

Ser. No. 410,675. R. & J. UNDERWEAR COMPANY, INC., New York, N. Y. Filed Sept. 16, 1938.

"Tell-a-Tale"

For Pajamas of One, Two, or Three Pieces; House Coats or Robes; Gowns for Night Wear; and Play Togs.
Claims use since July 20, 1938.

Ser. No. 410,786. MARGARET HARTMAN, New York, N. Y. Filed Sept. 20, 1938.



Delwyn

The picture is fanciful.
For Hosiery, Sweaters, and Underwear for Women and Children.
Claims use since Aug. 28, 1934.

Ser. No. 410,837. HART, SCHAFFNER & MARX, Chicago, Ill. Filed Sept. 21, 1938.

Clothing of Tomorrow

The word "Clothing" is disclaimed apart from the mark.
For Men's and Boys' Coats, Suits, Overcoats, Topcoats, Vests, Trousers, Knickerbockers, and Breeches.
Claims use since Aug. 22, 1938.

Ser. No. 410,966. EDWARD J. PFEFFER, doing business as Kippy Products Company, Chicago, Ill. Filed Sept. 24, 1938.

KIPPY

For Hair Nets.
Claims use since Aug. 4, 1938.

Ser. No. 411,161. DAVID M. GOODSTEIN, INC., New York, N. Y. Filed Oct. 1, 1938.

Real Reach

For Women's Dresses, Blouses, and Coats.
Claims use since Aug. 12, 1938.

Ser. No. 411,172. KITTY KELLY QUALITY CO., INC., doing business as Kitty Kelly, New York, N. Y. Filed Oct. 1, 1938.



For Shoes Made of Leather and Fabric.
Claims use since May 1, 1938.

Ser. No. 411,211. CONTINENTAL MILLS, INC., Philadelphia, Pa. Filed Oct. 3, 1938.



For Men's and Boys' Coats and Suits, and Women's, Girls', and Children's Coats, Suits, Cloaks, and Capes.
Claims use since Aug. 5, 1938.

Ser. No. 411,300. HERBERT D. KONSKI, doing business as Flex-Back Co., New York, N. Y. Filed Oct. 5, 1938.

CUVA-GRIP

For Men's and Boys' Under-Drawers.
Claims use since Sept. 1, 1938.

Ser. No. 411,368. CARADINE HAT COMPANY, St. Louis, Mo. Filed Oct. 7, 1938.

BATAVA

For Men's and Boys' Straw, Paper, and Fiber Hats.
Claims use since May 1, 1938.

Ser. No. 411,390. VAN RAALTE COMPANY, New York, N. Y. Filed Oct. 7, 1938.

Amersuede

For Fabric Gloves.
Claims use since Sept. 1, 1938.

Ser. No. 411,496. GENERAL SHOE CORPORATION, Nashville, Tenn. Filed Oct. 11, 1938.

Mill Stone

For Boots, Shoes, and Slippers of Leather, Fabric, or Combinations Thereof.
Claims use since Sept. 26, 1938.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 410,715. THE AUTOYRE COMPANY, INCORPORATED, Oakville, Conn. Filed Sept. 19, 1938.

AUTOYRE

For Buckles, Slides, and Loops for Work Clothing, Suspender Buckles, and Lingerie Buckles.
Claims use since June, 1912.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 406,968. THE FIRTH CARPET COMPANY, New York, N. Y. Filed June 1, 1938.



The words "Floor Coverings" are disclaimed apart from the mark.

For Carpets and Rugs.

Claims use since July 1, 1934.

Ser. No. 407,955. LOUISVILLE TEXTILES, INCORPORATED, Louisville, Ky. Filed June 27, 1938.



The word "Fincastle" is disclaimed apart from the mark.

For Cloth Upholstering, Drapery, and Decorative Flat Fabrics Manufactured in the Piece from One or More of the Following Fibers: Vegetable Fibers Such as Cotton, Linen, Jute, Ramie, and the Like; Animal Fibers Such as Wool, Mohair, Angora, Vicuna, and the Like; and Synthetic Fibers Such as Rayon and Pulp.

Claims use since September, 1922.

Ser. No. 409,066. STUNZI SONS SILK CO. INC., New York, N. Y. Filed July 29, 1938.

MAINLINER

For Silk and Rayon Piece Goods.

Claims use since May 12, 1938.

Ser. No. 409,906. BEACON MANUFACTURING COMPANY, Swannanoa, N. C. Filed Aug. 24, 1938.

POLAIRE

For Piece Goods and Blankets Made Wholly or Partly of Rayon and Cotton.

Claims use since Oct. 31, 1931.

Ser. No. 410,808. D. N. & E. WALTER & Co., San Francisco, Calif. Filed Sept. 20, 1938.

"FIT THE ROOM RUGS"



Applicant disclaims the expression "Fits the Room Rugs".

For Carpets and Rugs.

Claims use since Aug. 1, 1937.

Ser. No. 411,269. COLD SPRING BLEACHERY, Yardley, Pa. Filed Oct. 4, 1938.



For Spun Rayon in the Piece and Spun Rayon Mixtures.

Claims use since Sept. 24, 1938.

Ser. No. 411,292. CROMPTON COMPANY, West Warwick, R. I. Filed Oct. 5, 1938.

COOLONG

For Textile Fabrics in the Piece Made of Rayon, Wool, Cotton, or Mixtures Thereof.

Claims use since Sept. 14, 1938.

Ser. No. 411,370. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 7, 1938.

CELSURAH

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.

Claims use since Oct. 4, 1938.

Ser. No. 411,371. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 7, 1938.

SURACEL

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.

Claims use since Oct. 4, 1938.

CLASS 43

Thread and Yarn

Ser. No. 403,488. JAMES CHADWICK & BROTHER, LIMITED, Bolton, England. Filed Feb. 26, 1938. Under section 5b of the act of 1905, as amended in 1920.



The essential feature of the trade-mark is the device formed by the coat of arms and motto accompanying it and applicant disclaims any right to the added matter except its name, except in connection with the mark as shown.

For Woolen Yarns.

Claims use since November, 1927.

Ser. No. 411,132. MT. VERNON-WOODBERRY MILLS, INC., Baltimore, Md. Filed Sept. 30, 1938.

TALLASSEE

For Crochet Cotton, Sewing Cotton, Cotton Yarn, Knitting Yarn, Yarns (Except Rope), and Cotton Weaving Yarns.

Claims use since Jan. 15, 1937.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 407,498. HALLBERG'S SYNCHROTONE INC., New York, N. Y. Filed June 15, 1938.

SYNCHROTONE

For Radio Wave Apparatus for Therapeutic Uses.

Claims use since May, 1934.

Ser. No. 408,917. J. P. FISCHER, INC., New York, N. Y. Filed July 26, 1938.

FISCHER AIRFOUNT "AIREEL"

Applicant disclaims the word "Fischer" except as shown.

For Electrical Apparatus for Air-Conditioning the Hair and Scalp.

Claims use since Jan. 25, 1938.

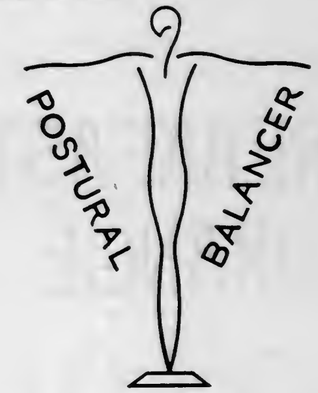
Ser. No. 410,461. LURA B. FARRELL, Coshocton, Ohio. Filed Sept. 12, 1938.

EASY-EASE

For Comfort Bottles for Use as Portable Urinals.

Claims use since Sept. 7, 1938.

Ser. No. 410,523. TRU-FORM, INC., New York, N. Y. Filed Sept. 13, 1938.



No claim is made to the words "Postural Balancer" apart from the mark.

For Foot Balancing Supports, Arch Lifts, Inner Border Wedges and Foot Balancers for Footwear, Which Items Are Made of Leather, Rubber, Fabric, or Other Flexible Material, or of Combinations of These Materials for Men, Women, and Children.

Claims use since Aug. 15, 1938.

Ser. No. 411,171. THE KILLIAN MANUFACTURING COMPANY, Akron, Ohio. Filed Oct. 1, 1938.



For Prophylactic Rubber Articles for the Prevention of Disease.

Claims use since Feb. 5, 1936.

Ser. No. 411,572. W. T. GRANT COMPANY, New York, N. Y. Filed Oct. 13, 1938.

EXCELLO

For Adhesive Plaster and Gauze Bandage.

Claims use since Oct. 2, 1931.

Ser. No. 411,677. MANFRED BROBERG, Kingston, N. Y. Filed Oct. 17, 1938.

FOOT-EX

Applicant disclaims the word "Foot".
For Leg and Foot Exercisers.
Claims use since May 1, 1937.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 409,167. MAURICE MACY LEVEY, Toledo, Ohio. Filed Aug. 2, 1938.

BREAKFAST ORANGE

No claim is made to the word "Orange" apart from the mark.
For Non-Alcoholic, Non-Cereal, Maltless Beverage, Sold as a Soft Drink and Sirup and Extract for Making the Same.
Claims use since Mar. 14, 1936.

Ser. No. 410,703. THE PA.PI.A CORPORATION, New York, N. Y. Filed Sept. 17, 1938.

Vanti
PA·PI·A

No claim is made to the word "Pa-Pi-A" apart from the mark.
For Maltless, Non-Alcoholic, Carbonated Beverage and Syrup for Use in Making the Same.
Claims use since Aug. 22, 1938.

Ser. No. 410,949. CHICAGO DISTILLED WATER & BEVERAGE COMPANY, Chicago, Ill. Filed Sept. 24, 1938.

DAD'S
Old Fashioned

Applicant disclaims the words "Old Fashioned" apart from the mark.
For Root Beer.
Claims use since February, 1937.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 403,167. H. C. COLE MILLING COMPANY, Chester, Ill. Filed Feb. 18, 1938.

Ω OMEGA

Applicant is the owner of the following registrations and of the trade-marks shown therein: No. 227,195, May 3, 1927; No. 243,092, June 12, 1928; No. 284,074, June 16, 1931.
For Cake Flour.
Claims use since July 23, 1937.

Ser. No. 404,574. HULET MCANALLY, Yakima, Wash. Filed Mar. 28, 1938.

Elevation

For Fresh Apples and Fresh Pears.
Claims use since October, 1937.

Ser. No. 406,432. WILLIAM A. SCHAUTZ, Scranton, Pa. Filed May 17, 1938.

FLAVOR QUEEN

The word "Flavor" is disclaimed.
For Bread.
Claims use since Mar. 8, 1938.

Ser. No. 407,025. LIBBY, MCNEILL & LIBBY, Chicago, Ill. Filed June 2, 1938.

SPECIAL BREAKFAST

The word "Special" is disclaimed apart from the mark.
For Canned Fruits and Canned Fruit Sauces.
Claims use since Jan. 23, 1938.

Ser. No. 407,299. BUNDY BROS. MILLING CO., Medora, Ind. Filed June 10, 1938.

VITAL-ADE
BALANCER

For Live Stock and Poultry Feed Supplement.
Claims use since Apr. 19, 1938.

Ser. No. 407,303. CHINOOK PACKING COMPANY, Chinook, Wash. Filed June 10, 1938.

ROYAL STAR

For Canned Vegetables.
Claims use since July, 1937.

Ser. No. 407,501. JOE LOWE CORPORATION, New York, N. Y. Filed June 15, 1938.

FROSICLE

For Frozen Confections.
Claims use since June 13, 1938.

Ser. No. 407,502. JOE LOWE CORPORATION, New York, N. Y. Filed June 15, 1938.

FROSTSICLE

For Frozen Confections.
Claims use since June 10, 1938.

Ser. No. 407,671. HAWAIIAN PINEAPPLE COMPANY, LTD., San Francisco, Calif., and Honolulu, Territory of Hawaii. Filed June 20, 1938.

"SPEARS"

Applicant is the owner of trade-mark registration No. 330,696, dated Dec. 10, 1935.
For Canned Pineapple.
Claims use since July 17, 1935.

Ser. No. 408,531. LEON ARNAUD CAZENAVE, doing business as Arnaud's Restaurant, New Orleans, La. Filed July 15, 1938.

ARNAUD'S
SAUCE

Applicant disclaims the word "Sauce" apart from the mark.
For Sauce for Use on Shrimp, Sea Foods, Hors d'Oeurves, Salads, or Other Delicacies.
Claims use since 1935.

Ser. No. 408,714. J. S. HOFFMAN COMPANY, Chicago, Ill. Filed July 20, 1938.

HOFCo

For Canned Hams.
Claims use since Jan. 1, 1917.

Ser. No. 408,960. MARIANA GROVE PACKERS, INC., Ft. Myers, Fla. Filed July 27, 1938.

VITA
RIPE

No claim is made to the word "Ripe" aside from its use with "Vita" and the design.
For Fresh Citrous Fruits—Namely, Oranges, Lemons, Grapefruit, and Tangerines.
Claims use since Apr. 7, 1938.

Ser. No. 409,898. SIMON BARSAM, doing business as California Sun-Dry Nisra Co., Fresno, Calif. Filed Aug. 23, 1938.



No claim is made to the words "The Ancient Babylonian Type Cereal Food" and the bowl apart from the mark as shown.
For Prepared Cereal Food.
Claims use since July 1, 1938.

Ser. No. 410,308. DR. W. J. ROSS COMPANY, doing business as Los Alamitos Packing Co., Los Alamitos, Calif. Filed Sept. 6, 1938.

nippy

For Canned Dog and Cat Food.
Claims use since Aug. 20, 1938.

Ser. No. 410,478. F. C. PETERS, INC., Goulds, Fla. Filed Sept. 12, 1938.

TROPICAL

For Fresh Vegetables.
Claims use since Aug. 19, 1938.

Ser. No. 410,479. F. C. PETERS, INC., Goulds, Fla. Filed Sept. 12, 1938.

FARSOUTH

For Fresh Vegetables.
Claims use since Aug. 19, 1938.

Ser. No. 410,529. WILLIS PARTEE COMPANY, Trenton, Tenn. Filed Sept. 13, 1938.

RED DEVIL

For Fresh Vegetables.
Claims use since 1933.

Ser. No. 410,591. LANCE PACKING COMPANY, Charlotte, N. C. Filed Sept. 15, 1938.

TOASTCHEE

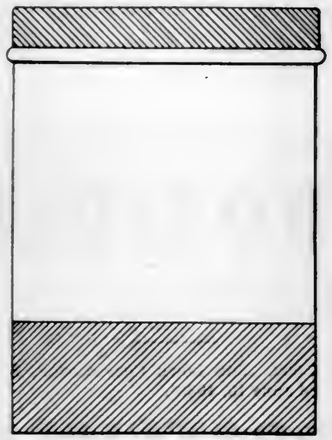
Applicant disclaims the word "Toast" except as shown.
For Peanut Butter Sandwiches.
Claims use since Jan. 1, 1938.

Ser. No. 410,912. I. F. LAUCKS, INCORPORATED, Portsmouth, Va. Filed Sept. 23, 1938.

LAUXSOY

For Soya Bean Flour for Food Consumption.
Claims use since Sept. 8, 1938.

Ser. No. 410,935. THE TITUS AND MARTIN COMPANY, Cincinnati, Ohio. Filed Sept. 23, 1938.



The drawing is lined for green and brown. The representation of the container per se is disclaimed.
For Coffee.
Claims use since Aug. 26, 1938.

Ser. No. 411,004. MAUI PINEAPPLE COMPANY, LTD., Paia, Territory of Hawaii. Filed Sept. 26, 1938.

VITAGOLD

For Canned Fruits and Canned Fruit Juices for Food Purposes.
Claims use since Mar. 17, 1934.

Ser. No. 411,190. J. A. STEELE, doing business as Dixie Lodge, Balsam Lake, Wis. Filed Oct. 1, 1938.

Dixie Lodge Salad Dressing

No claim is made to the words "Salad Dressing" apart from the mark.
For Salad Dressing.
Claims use since July 1, 1937.

Ser. No. 411,218. GAMBLE ROBINSON COMPANY, Minneapolis, Minn. Filed Oct. 3, 1938.

BANAN-OH!

For Food Products, Particularly Fresh Bananas.
Claims use since Sept. 9, 1938.

Ser. No. 411,219. GARDENHOUR BROS., Smithsburg, Md. Filed Oct. 3, 1938.



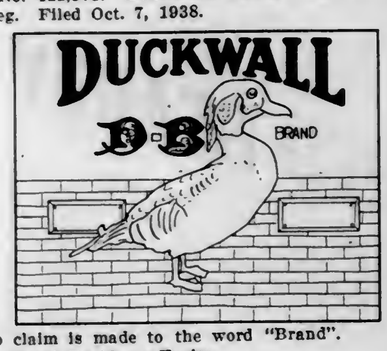
The word "Smithsburg" is disclaimed apart from the mark. The picture of the fruit is disclaimed except as shown.
For Fresh Deciduous Fruits.
Claims use since Aug. 12, 1938.

Ser. No. 411,305. NEW ENGLAND CONFECTIONERY COMPANY, Cambridge, Mass. Filed Oct. 5, 1938.

Sky Toffee

No claim is made to the word "Toffee" apart from the mark.
For Confectionery—Namely, Milk Chocolate Toffee.
Claims use since Sept. 16, 1938.

Ser. No. 411,373. DUCKWALL BROS., INC., Hood River, Oreg. Filed Oct. 7, 1938.



No claim is made to the word "Brand".
For Fresh Deciduous Fruits.
Claims use since 1916.

Ser. No. 411,384. SAN CARLOS CANNING COMPANY, Long Beach, Calif. Filed Oct. 7, 1938.



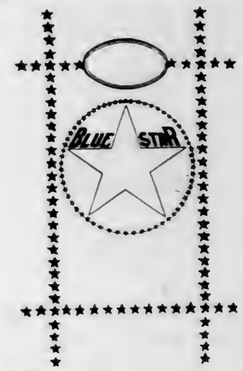
No claim is made to the word "Brand" or to the representation of the fish apart from the mark.
For Canned Fish.
Claims use since Mar. 26, 1938.

Ser. No. 411,536. JOE LOWE CORPORATION, New York, N. Y. Filed Oct. 12, 1938.

POPSIKORN

For Frozen Confections.
Claims use since Sept. 10, 1938.

Ser. No. 411,538. MAJESTIC FLOUR MILL, Memphis, Tenn. Filed Oct. 12, 1938.



For Wheat Flour.
Claims use since 1914.

Ser. No. 411,540. MAJESTIC FLOUR MILL, Memphis, Tenn. Filed Oct. 12, 1938.

RED BEAUTY

For Wheat Flour.
Claims use since December, 1935.

Ser. No. 411,598. A. J. FLICK, doing business as A. J. Flick & Company, Los Angeles, Calif. Filed Oct. 14, 1938.

ROCKY LEDGE

For Canned Fish—Namely, Canned Abalone.
Claims use since Sept. 10, 1938.

Ser. No. 411,678. BROCK CANDY COMPANY, Chattanooga, Tenn. Filed Oct. 17, 1938.

TOP-FLIGHT

For Candy.
Claims use since Oct. 8, 1938.

CLASS 47

Wines

Ser. No. 407,505. S. A. V. I. FLORIO-INGHAM WHITAKER-WOODHOUSE & C., Turin, Italy. Filed June 15, 1938.

FLORIO & C. ESTABLISHED 1833



The representation of the labels and the words "Marsala", "Superior Extra Marsala", and "Marsala, Italy", are disclaimed apart from the mark.
For Wines.
Claims use since Dec. 15, 1936.

CLASS 48

Malt Beverages and Liquors

Ser. No. 406,633. COSGRAVE'S DOMINION BREWERY LIMITED. Toronto, Ontario, Canada. Filed May 23, 1938. Under 10-year proviso.

COSGRAVE'S

For Ales, Beers, Lagers, Porters, and Stouts.
Claims use since 1883.

Ser. No. 411,164. IROQUOIS BEVERAGE CORPORATION, Buffalo, N. Y. Filed Oct. 1, 1938. Under 10-year proviso.

Iroquois

For Beer, Ale, and Porter.
Claims use since Oct. 27, 1893.

Ser. No. 411,165. IROQUOIS BEVERAGE CORPORATION, Buffalo, N. Y. Filed Oct. 1, 1938. Under 10-year proviso.



For Beer and Ale.
Claims use since Oct. 27, 1893.

Ser. No. 411,166. IROQUOIS BEVERAGE CORPORATION, Buffalo, N. Y. Filed Oct. 1, 1938. Under 10-year proviso.



For Beer and Ale.
Claims use since Oct. 27, 1893.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 398,745. THE WESTINGHOUSE AIR BRAKE COMPANY, Wilmerding, Pa. Filed Oct. 20, 1937.

WABCOLITE

For Moulded Materials, and More Particularly for Materials Moulded from Powders for Use as By-Pass Check Valves and Check Valve Seats of a Triple Valve Device.
Claims use since Sept. 20, 1937.

Ser. No. 410,051. SOL-O-LITE MANUFACTURING CO., Chicago, Ill. Filed Aug. 27, 1938.

SOL-O-LITE

For Translucent Textile Material Made of a Fabric Treated with a Solution of Paraffine, Stearic Acid, and Cellulose Used for Windows Admitting Ultra-Violet Rays.
Claims use since July 1, 1938.

Ser. No. 410,052. SOL-O-LITE MANUFACTURING CO., Chicago, Ill. Filed Aug. 27, 1938.

TRANS-O-TEX

For Translucent Textile Material Made of a Fabric Treated with a Solution of Paraffine, Stearic Acid, and Cellulose Used for Windows Admitting Ultra-Violet Rays.
Claims use since July 1, 1938.

Ser. No. 410,099. TRANSPARENT COVER COMPANY, Chicago, Ill. Filed Aug. 29, 1938.

Klearsight

For Elastic Covers for Lamp Shades.
Claims use since June 20, 1938.

Ser. No. 410,120. THE SOUTHERN HIGHLANDERS, INC., Norris, Tenn. Filed Aug. 30, 1938.



The word "Handicrafts" is disclaimed apart from the mark.
For Statuettes, Ornamental Figurines; Ornamental Bric-a-Brac and Knicknacks of Pottery, Ceramic, Wood, and Other Materials; Artistic Hand Carvings, Shoe Trees, Clothes Hangers, and Wooden Pegs.
Claims use since November, 1935.

Ser. No. 410,985. BLACKBURN PRODUCTS, INC., Newark, N. J. Filed Sept. 26, 1938.



Applicant disclaims the word "Brand" apart from the mark.
For Simulated Leather.
Claims use since Aug. 16, 1938.

Ser. No. 411,676. BOSTON WOVEN HOSE AND RUBBER COMPANY, Cambridge, Mass. Filed Oct. 17, 1938.

BULL DOG

For Rubber Coverings for Tension or Take-Off Rolls or Press Rods of Looms.
Claims use since May 26, 1934.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

DECEMBER 6, 1938

362,861. INSTRUMENTS FOR MEASURING AND RECORDING LIGHT INTENSITIES, COLOR VALUES, AND CURRENT CONSUMPTION. THE SIGHT LIGHT CORPORATION, New York, N. Y.
Filed May 24, 1935. Serial No. 365,357. PUBLISHED SEPTEMBER 27, 1938. Class 26.

362,862. HARDWARE ARTICLES—NAMELY, METAL WASHERS: COCK, VALVE, AND BIBB WASHERS; METAL HINGES, NUTS AND BOLTS, DOOR HANDLES, ETC. THE PRESSED STEEL COMPANY, Wilkes-Barre, Pa.
Filed January 10, 1936. Serial No. 373,539. PUBLISHED SEPTEMBER 27, 1938. Class 13.

362,863. SAFETY RAZOR BLADES. UNITED RAZOR BLADE CORPORATION, Chicago, Ill.
Filed January 25, 1936. Serial No. 374,100. PUBLISHED MARCH 17, 1936. Class 23.

362,864. AUTOMOBILE ELECTRICAL PARTS AS FOLLOWS—SPARK PLUGS FOR INTERNAL COMBUSTION ENGINES, ELECTRICAL STORAGE BATTERIES, STORAGE BATTERY CABLES, ETC. UNITED AUTO SUPPLY COMPANY, INC., Dallas, Tex.
Filed August 4, 1936. Serial No. 381,893. PUBLISHED SEPTEMBER 27, 1938. Class 21.

362,865. SURFACE-PROTECTIVE PAINTS AND THE INGREDIENTS THEREOF—NAMELY, READY-MIXED PAINTS, ANTI-RUST PAINTS, ENAMEL PAINTS, PAINT ENAMELS, PASTE-LIKE PAINTS, AND VEHICLES FOR THE SAME, SUCH AS VARNISHES, STABLE OILS, AND LIKE BINDING AGENTS. CHEMISCHE FABRIK R. BAUMHEIER, AKTIENGESELLSCHAFT, now by change of name Chemische Fabrik R. Baumheier Kommanditgesellschaft, Oschatz-Zschollau, Germany.
Filed December 22, 1936. Serial No. 387,031. PUBLISHED SEPTEMBER 27, 1938. Class 16.

362,866. NONALCOHOLIC, MALTLESS FRUIT JUICE BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS, EXTRACTS, AND CONCENTRATES USED IN MAKING THE SAME. BIRELEY'S, INC., doing business as Pam-Pam, Hollywood, Calif., assignor to David H. Peery, Hollywood, Los Angeles, Calif.
Filed January 21, 1937. Serial No. 387,978. PUBLISHED SEPTEMBER 27, 1938. Class 45.

362,867. HOSIERY AND WOMEN'S UNDERWEAR. SEIDENBACH'S, INC., Tulsa, Okla.
Filed May 17, 1937. Serial No. 392,894. PUBLISHED SEPTEMBER 20, 1938. Class 39.

362,868. DYED CONEY COATS, CAPES, AND JACKETS. THE FUR MART OF AMERICA, INC., New York, N. Y.
Filed May 20, 1937. Serial No. 393,031. PUBLISHED NOVEMBER 16, 1937. Class 39.

362,869. METAL PIPES, CONDUITS, AND CULVERTS. H. H. ROBERTSON COMPANY, Pittsburgh, Pa.
Filed June 17, 1937. Serial No. 394,194. PUBLISHED SEPTEMBER 27, 1938. Class 13.

362,870. DISPLAY CABINETS AND DISPLAY TRAYS. THE GIBSON ART COMPANY, Cincinnati, Ohio.
Filed July 9, 1937. Serial No. 395,035. PUBLISHED SEPTEMBER 27, 1938. Class 32.

362,871. TOILET TISSUE. L. K. MALLINCKRODT, Baltimore, Md.
Filed July 9, 1937. Serial No. 395,042. PUBLISHED OCTOBER 19, 1937. Class 37.

362,872. GLASS AND COMBINATION GLASS AND METAL GLOBES AND REFLECTORS. HOLOPHANE COMPANY, INC., New York, N. Y.
Filed July 22, 1937. Serial No. 395,528. PUBLISHED SEPTEMBER 27, 1938. Class 34.

362,873. MEN'S AND BOYS' TROUSERS AND PANTS. COHEN, GOLDMAN & CO. INC., New York, N. Y.
Filed September 29, 1937. Serial No. 397,926. PUBLISHED SEPTEMBER 20, 1938. Class 39.

362,874. TEXTILE FABRICS IN THE PIECE—NAMELY, SILK FABRICS, COTTON FABRICS, WOOL FABRICS, RAYON FABRICS, AND PILE FABRICS MADE OF SILK AND RAYON AND MIXTURES THEREOF. NATIONAL FABRICS CORPORATION, New York, N. Y.
Filed October 27, 1937. Serial No. 399,006. PUBLISHED SEPTEMBER 27, 1938. Class 42.

362,875. VALVES FOR PUMPS. MACCLATCHIE MANUFACTURING COMPANY OF CALIFORNIA, Compton, Calif.
Filed November 6, 1937. Serial No. 399,416. PUBLISHED SEPTEMBER 27, 1938. Class 23.

362,876. ELECTRIC MOTORS AND MOTOR DRIVEN UNITS FOR GRAMOPHONES AND RECORD CHANGERS IN GRAMOPHONES, FOR ELECTRICALLY OPERABLE AUTOMATIC RECORD CHANGERS, AND FOR GRAMOPHONE PICK-UPS. THE GARRARD ENGINEERING & MANUFACTURING CO., LTD., Swindon, England.
Filed November 24, 1937. Serial No. 400,098. PUBLISHED SEPTEMBER 27, 1938. Class 21.

362,877. POLYMERIZED STYRENE. THE DOW CHEMICAL COMPANY, Midland, Mich.
Filed January 8, 1938. Serial No. 401,692. PUBLISHED SEPTEMBER 27, 1938. Class 1.

362,878. POLYMERIZED STYRENE. THE DOW CHEMICAL COMPANY, Midland, Mich.
Filed January 8, 1938. Serial No. 401,693. PUBLISHED SEPTEMBER 27, 1938. Class 1.

362,879. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND EXTRACTS FOR MAKING THE SAME. EDW. H. GRUBER, doing business as Gruber Bottling Works, Philadelphia, Pa.
Filed January 14, 1938. Serial No. 401,897. PUBLISHED SEPTEMBER 20, 1938. Class 45.

362,880. CHEWING GUM. WM. WRIGLEY JR. COMPANY, Chicago, Ill.
Filed January 19, 1938. Serial No. 402,108. PUBLISHED SEPTEMBER 27, 1938. Class 46.

362,881. BEER. MOUND CITY BREWING CO., New Athens, Ill.
Filed February 7, 1938. Serial No. 402,784. PUBLISHED SEPTEMBER 27, 1938. Class 48.

362,882. TRACTORS. AVERY FARM MACHINERY COMPANY, Peoria, Ill.
Filed February 21, 1938. Serial No. 403,238. PUBLISHED SEPTEMBER 27, 1938. Class 23.

362,883. LADIES' AND CHILDREN'S BLOUSES AS AN ARTICLE OF OUTER WEAR. LOUIS BROD, doing business as L. Brod & Co., Philadelphia, Pa.
Filed February 26, 1938. Serial No. 403,442. PUBLISHED SEPTEMBER 13, 1938. Class 39.

362,884. COUPLINGS FOR METALLIC TUBES. THE IMPERIAL BRASS MANUFACTURING COMPANY, Chicago, Ill.
Filed March 7, 1938. Serial No. 403,770. PUBLISHED SEPTEMBER 27, 1938. Class 13.

362,885. KNITTED SWEATERS, SUITS, AND SKIRTS FOR LADIES. HERALD KNITWEAR COMPANY, INC., New York, N. Y.
Filed March 14, 1938. Serial No. 404,045. PUBLISHED SEPTEMBER 27, 1938. Class 39.

362,886. DESICCATED COCOANUT. SUN-RIPE COCOANUT PRODUCTS CO., Buenavista, Magdalena, P. I.
Filed March 21, 1938. Serial No. 404,330. PUBLISHED SEPTEMBER 27, 1938. Class 46.

362,887. OFFICE, HOUSEHOLD AND FACTORY CHAIRS. ARTILITY METAL PRODUCTS INC., Elkhart, Ind.
Filed March 28, 1938. Serial No. 404,560. PUBLISHED SEPTEMBER 27, 1938. Class 32.

362,888. GUMMED PAPER MENDING TAPE. GEFFELATOR CORPORATION, New York, N. Y.
Filed March 29, 1938. Serial No. 404,604. PUBLISHED SEPTEMBER 27, 1938. Class 37.

362,889. INSTRUMENT FOR CUTTING HAIR FROM NOSTRILS AND EARS. AARON W. LEWIN, doing business as Hollis Company, Newark, N. J.
Filed March 30, 1938. Serial No. 404,650. PUBLISHED MAY 31, 1938. Class 23.

362,890. MEN'S UNDERSHIRTS, PAJAMAS, UNDERWEAR, AND DRESS, NEGLIGEE, AND WORK SHIRTS. SAM'S CUT RATE, INC., Detroit, Mich.
Filed April 5, 1938. Serial No. 404,907. PUBLISHED SEPTEMBER 27, 1938. Class 39.

362,891. OIL AND GAS STORM LANTERNS AND CONSTITUENT PARTS AND ACCESSORIES OF SAME—NAMELY, STORM LANTERN BURNERS, STORM LANTERN CYLINDERS, WICKS, PROTECTIVE GRIDS, BURNER CHAMBERS, CANDLE SOCKETS, FILLING SCREWS. HERMANN NIER, Beierfeld, Germany.
Filed April 6, 1938. Serial No. 404,950. PUBLISHED SEPTEMBER 27, 1938. Class 34.

362,892. COMMERCIAL SAFETY PAPER. ETHELBERT L. BAKER, Los Angeles, Calif.
Filed April 18, 1938. Serial No. 405,379. PUBLISHED SEPTEMBER 27, 1938. Class 37.

362,893. MALTLESS, NONALCOHOLIC BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS AND EXTRACTS FOR MAKING THE SAME. FREDERICK JOHN TREVALLON BARNES, London, England
Filed May 18, 1938. Serial No. 406,437. PUBLISHED SEPTEMBER 27, 1938. Class 45.

362,894. NONALCOHOLIC, MALTLESS BEVERAGE. A COLA DRINK. H. R. NICHOLSON COMPANY, Baltimore, Md.
Filed May 24, 1938. Serial No. 406,691. PUBLISHED SEPTEMBER 20, 1938. Class 45.

362,895. ELECTRIC TOASTERS. TOAST-O-LATOR CO. INC., New York, N. Y.
Filed May 25, 1938. Serial No. 406,739. PUBLISHED SEPTEMBER 27, 1938. Class 21.

362,896. MALTLESS, NON-ALCOHOLIC, BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND EXTRACTS FOR MAKING THE SAME. ELRAY SALES, St. Louis, Mo.
Filed May 27, 1938. Serial No. 406,799. PUBLISHED SEPTEMBER 27, 1938. Class 45.

362,897. SPECIALLY CONSTRUCTED MUSIC STAND ELECTRIC LIGHT. H. & A. SELMER, INCORPORATED, Elkhart, Ind.
Filed June 1, 1938. Serial No. 406,989. PUBLISHED SEPTEMBER 27, 1938. Class 21.

362,898. PAPER—NAMELY, PRINTING PAPERS, WRITING PAPERS, AND DRAWING PAPERS. ST. REGIS PAPER COMPANY, New York, N. Y.
Filed June 2, 1938. Serial No. 407,039. PUBLISHED SEPTEMBER 27, 1938. Class 37.

362,899. CANNED CITRUS JUICES FOR FOOD PURPOSES. DESERT CITRUS PRODUCTS ASSOCIATION, Tempe, Ariz.
Filed June 4, 1938. Serial No. 407,089. PUBLISHED SEPTEMBER 27, 1938. Class 46.

362,900. WIND INSTRUMENTS PARTICULARLY INSTRUMENTS HAVING THE TONE OF A TROMBONE BUT UNLIKE A TROMBONE IN CONSTRUCTION. THE H. N. WHITE COMPANY, Cleveland, Ohio
Filed June 6, 1938. Serial No. 407,168. PUBLISHED SEPTEMBER 27, 1938. Class 36.

362,901. LEATHER JACKETS, COATS, VESTS, BLOUSES, SHIRTS, AND BREECHES FOR MEN, WOMEN, AND CHILDREN. GORDON & FERGUSON COMPANY, St. Paul, Minn.
Filed June 8, 1938. Serial No. 407,220. PUBLISHED SEPTEMBER 20, 1938. Class 39.

362,902. FOOD BEVERAGE MADE FROM HOMOGENIZED MILK MIXED WITH CHOCOLATE, AND CARBONATED. RAY T. PARFET, doing business as Cosmic-Ray Enterprises, Kalamazoo, Mich.
Filed June 8, 1938. Serial No. 407,241. PUBLISHED SEPTEMBER 27, 1938. Class 46.

362,903. PARAPHERNALIA INCLUDING ANIMAL FIGURES USED IN A GAME SIMULATING GOLF. CHARLES F. REID, Chicago, Ill.
Filed June 8, 1938. Serial No. 407,248. PUBLISHED SEPTEMBER 27, 1938. Class 22.

362,904. CREAM FOR RESTORING AND TREATING LEATHER BOOKBINDINGS. OTIS D. JAMES, Oklahoma City, Okla., assignor to United States Chemical Co. Inc., Oklahoma City, Okla.
Filed June 9, 1938. Serial No. 407,269. PUBLISHED SEPTEMBER 27, 1938. Class 4.

362,905. PURE FOOD PREPARATION, SOLD IN POWDERED FORM, FOR USE IN CONNECTION WITH THE WHITES OF EGGS IN BAKING OR COOKING, FUNCTIONING AS A CONTROL OF THE SIZE AND FIRMNESS OF THE EGG CELLS. G. C. BEAR, doing business as G. C. Bear and Co., Detroit, Mich.
Filed June 10, 1938. Serial No. 407,297. PUBLISHED SEPTEMBER 27, 1938. Class 46.

362,906. GRIDIRONS FOR OUTDOOR USE. THE AMERICAN BRAKE SHOE AND FOUNDRY COMPANY, New York, N. Y.
Filed June 11, 1938. Serial No. 407,352. PUBLISHED SEPTEMBER 27, 1938. Class 34.

362,907. READY-MIXED PAINTS AND VARNISHES. BANNER PAINT & VARNISH CORP., Brooklyn, N. Y.
Filed June 11, 1938. Serial No. 407,354. PUBLISHED SEPTEMBER 27, 1938. Class 16.

362,908. BRANDY. MARGULIS & COMPANY, Philadelphia, Pa.
Filed June 11, 1938. Serial No. 407,381. PUBLISHED SEPTEMBER 27, 1938. Class 49.

362,909. CAST IRON PIPE. AMERICAN CAST IRON PIPE COMPANY, Birmingham, Ala.
Filed June 14, 1938. Serial No. 407,456. PUBLISHED SEPTEMBER 27, 1938. Class 13.

362,910. SPORTS WEAR, SUCH AS JACKETS, COATS, VESTS, SHIRTS, SNOW SUITS, AND PANTS: AND UTILITY OUTER WEAR—NAMELY, JACKETS, COATS, VESTS, SHIRTS, SNOW SUITS, AND PANTS FOR MEN, WOMEN, AND CHILDREN. H. W. CARTER & SONS, Lebanon, N. H.
Filed June 14, 1938. Serial No. 407,459. PUBLISHED SEPTEMBER 27, 1938. Class 39.

362,911. COTTON YARNS OF VARIOUS COUNTS, INCLUDING COTTON MOP YARN AND COTTON THREAD YARN, COTTON CARPET WARPS. LEE EDWARDS CORPORATION, New York, N. Y.
Filed June 15, 1938. Serial No. 407,493. PUBLISHED SEPTEMBER 13, 1938. Class 43.

362,912. WINE. BOUCHARD AINÉ & FILS, Beaune, France
Filed June 16, 1938. Serial No. 407,520. PUBLISHED SEPTEMBER 27, 1938. Class 47.

362,913. WINES. BOUCHARD AINÉ & FILS, Beaune, France
Filed June 16, 1938. Serial No. 407,521. PUBLISHED SEPTEMBER 27, 1938. Class 47.

362,914. WINES. BOUCHARD AINÉ & FILS, Beaune, France
Filed June 16, 1938. Serial No. 407,528. PUBLISHED SEPTEMBER 27, 1938. Class 47.

362,915. WHISKEY. ABRAM SMITH BOWMAN, doing business as A. Smith Bowman Distillery, Sunset Hills, Va.
Filed June 17, 1938. Serial No. 407,582. PUBLISHED SEPTEMBER 27, 1938. Class 49.

362,916. MATRIX OR FLONG USED IN STEREOTYPING. THE RAPID ELECTROTYPE CO., Cincinnati, Ohio.
Filed June 17, 1938. Serial No. 407,603. PUBLISHED SEPTEMBER 27, 1938. Class 50.

362,917. MATRIX OR FLONG USED IN STEREOTYPING. THE RAPID ELECTROTYPE CO., Cincinnati, Ohio.
Filed June 17, 1938. Serial No. 407,604. PUBLISHED SEPTEMBER 27, 1938. Class 50.

362,918. CYANIDE PRECIPITATION APPARATUS, INCLUDING CLARIFYING EQUIPMENT, DEAERATING EQUIPMENT, PRECIPITATING FILTERS, FILTER PRESSES, VACUUM FILTER LEAVES, BAG TYPE FILTERS, REAGENT FEEDERS, AND AUXILIARY EQUIPMENT FOR SUCH APPARATUS. THE MERRILL COMPANY, San Francisco, Calif.
Filed June 20, 1938. Serial No. 407,678. PUBLISHED SEPTEMBER 27, 1938. Class 31.

362,919. MEN'S AND WOMEN'S COATS AND SUITS. FRANK LEVINSOHN & BROS., INC., New York, N. Y.
Filed June 21, 1938. Serial No. 407,706. PUBLISHED SEPTEMBER 13, 1938. Class 39.

362,920. A TABLE GAME OF CHANCE. THE EMBOSSING COMPANY, Albany, N. Y.
Filed June 21, 1938. Serial No. 407,727. PUBLISHED SEPTEMBER 27, 1938. Class 22.

362,921. TABLE GAME OF CHANCE. THE EMBOSSING COMPANY, Albany, N. Y.
Filed June 21, 1938. Serial No. 407,728. PUBLISHED SEPTEMBER 27, 1938. Class 22.

362,922. HOSIERY. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J.
Filed June 21, 1938. Serial No. 407,732. PUBLISHED SEPTEMBER 27, 1938. Class 39.

362,923. DOUGH HANDLING MACHINERY AND BAKERY MACHINERY—NAMELY, DOUGH ROLLING MACHINES, DOUGH CUTTING MACHINES, ROLL FORMING MACHINES, DOUGH FLATTENING MACHINES, DOUGH MIXING AND KNEADING MACHINES, AND BREAD CRUMB GRINDING MILLS. FRANCES M. STEWART, doing business as F. M. Stewart, Philadelphia, Pa.
Filed June 22, 1938. Serial No. 407,771. PUBLISHED SEPTEMBER 27, 1938. Class 23.

362,924. HOSIERY. BROWN DURRELL CO., Boston, Mass., and New York, N. Y.
Filed June 23, 1938. Serial No. 407,792. PUBLISHED SEPTEMBER 20, 1938. Class 39.

362,925. LETTER HEADS, ENVELOPES, AND WRAPPING PAPER. ECONOMY PRINTERS PRODUCTS COMPANY, Chicago, Ill.
Filed June 23, 1938. Serial No. 407,800. PUBLISHED SEPTEMBER 27, 1938. Class 37.

362,926. CLOTH PIECE GOODS OF COTTON CORDUROY USED IN THE MANUFACTURE OF BOYS' SUITS, PANTS, AND KNICKERS. SANDESS MANUFACTURING COMPANY, Philadelphia, Pa.
Filed June 23, 1938. Serial No. 407,822. PUBLISHED SEPTEMBER 27, 1938. Class 42.

362,927. SWEATERS. GLASGO LIMITED, Philadelphia, Pa.
Filed June 24, 1938. Serial No. 407,859. PUBLISHED SEPTEMBER 13, 1938. Class 39.

362,928. PERMANENT WAVE PADS. GLENN FISHER, Bowling Green, Ky.
Filed June 24, 1938. Serial No. 407,863. PUBLISHED SEPTEMBER 27, 1938. Class 44.

362,929. KNITTED SWEATERS. IRWILL KNITWEAR CORP., New York, N. Y.
Filed June 25, 1938. Serial No. 407,905. PUBLISHED SEPTEMBER 13, 1938. Class 39.

362,930. CANDY. PAUL F. BEICH COMPANY, Bloomington and Chicago, Ill.
Filed June 27, 1938. Serial No. 407,935. PUBLISHED SEPTEMBER 27, 1938. Class 46.

362,931. TEXTILE FABRICS IN THE PIECE, OF SILK, RAYON, WOOL, COTTON, AND COMBINATIONS THEREOF. EICHMANN & HECHT, New York, N. Y.
Filed June 29, 1938. Serial No. 408,012. PUBLISHED SEPTEMBER 27, 1938. Class 42.

362,932. WOMEN'S AND MISSES' COATS AND SUITS. GORDON V. LYONS, INC., New York, N. Y.
Filed June 30, 1938. Serial No. 408,063. PUBLISHED SEPTEMBER 20, 1938. Class 39.

362,933. WOMEN'S AND MISSES' COATS AND SUITS CONTAINING A SUBSTANTIAL CONTENT OF ALPACA, LLAMA'S HAIR, WOOL, AND MOHAIR. GORDON V. LYONS, INC., New York, N. Y.
Filed June 29, 1938. Serial No. 408,026. PUBLISHED SEPTEMBER 20, 1938. Class 39.

362,934. BICYCLE RIM CEMENT, RUBBER CEMENT, MATTING CEMENT, BICYCLE TIRE FLUID, IRON CEMENT, TIRE RELINER CEMENT, TOP PATCH CEMENT, FRICTION TAPE, RUBBER TAPE FOR SPLICING PURPOSES, AND TIRE TREAD CUT FILLER. THE BELL COMPANY, INC., doing business as Flare Laboratories, Chicago, Ill.
Filed July 1, 1938. Serial No. 408,087. PUBLISHED SEPTEMBER 27, 1938. Class 5.

362,935. WINDMILLS AND PUMP JACKS. FAIRBURY WINDMILL COMPANY, Fairbury, Nebr.
Filed July 1, 1938. Serial No. 408,093. PUBLISHED SEPTEMBER 27, 1938. Class 23.

362,936. UMBRELLAS. POLAN, KATZ AND COMPANY, Baltimore, Md.
Filed July 5, 1938. Serial No. 408,206. PUBLISHED SEPTEMBER 6, 1938. Class 41.

362,937. BATHROBES, NIGHT SHIRTS, GOWNS, PAJAMAS. GANIS BROTHERS, New York, N. Y.
Filed July 6, 1938. Serial No. 408,239. PUBLISHED SEPTEMBER 20, 1938. Class 39.

362,938. HOSIERY. THE NOLDE AND HORST COMPANY, Reading, Pa.
Filed July 7, 1938. Serial No. 408,284. PUBLISHED SEPTEMBER 27, 1938. Class 39.

362,939. SUITS, COATS, VESTS, PANTS, TOPCOATS, AND OVER-COATS FOR MEN. PINCUS BROS., INC., Philadelphia, Pa.
Filed June 29, 1938. Serial No. 408,298. PUBLISHED SEPTEMBER 13, 1938. Class 39.

362,940. CARPETS AND RUGS. THE MAGEE CARPET COMPANY, Bloomsburg, Pa.
Filed July 8, 1938. Serial No. 408,320. PUBLISHED SEPTEMBER 27, 1938. Class 42.

362,941. ICE BOXES, ICE CHESTS, MILK COOLERS, SHOWCASE REFRIGERATORS, GROCERY REFRIGERATORS, DELICATESSEN REFRIGERATORS, AND OTHER REFRIGERATORS. SILVERBERG & TRATTNER, New York, N. Y.
Filed July 8, 1938. Serial No. 408,328. PUBLISHED SEPTEMBER 27, 1938. Class 31.

362,942. WATER HEATING AND STEAM GENERATING BOILERS. THE TITUSVILLE IRON WORKS COMPANY, Titusville, Pa.
Filed July 8, 1938. Serial No. 408,330. PUBLISHED SEPTEMBER 27, 1938. Class 34.

362,943. CANNED PIGS FEET. F. G. VOGT & SONS, INCORPORATED, Philadelphia, Pa.
Filed July 9, 1938. Serial No. 408,360. PUBLISHED SEPTEMBER 27, 1938. Class 46.

362,944. SPONGE RUBBER CLEANER FOR CLOTHING, MORE PARTICULARLY, HATS. EMPORIUM WORLD MILLINERY CO., Chicago, Ill.
Filed July 11, 1938. Serial No. 408,377. PUBLISHED SEPTEMBER 27, 1938. Class 4.

362,945. LADIES' COATS OF PILE FABRIC. ORNSTEIN, LEVY & ISRAELSON, New York, N. Y.
Filed July 11, 1938. Serial No. 408,396. PUBLISHED SEPTEMBER 13, 1938. Class 39.

362,946. PAJAMAS—NAMELY, LADIES' SLEEPING COSTUMES. ANNE UNDERWEAR CO. INC., New York, N. Y.
Filed July 12, 1938. Serial No. 408,412. PUBLISHED SEPTEMBER 27, 1938. Class 39.

362,947. PEANUT BUTTER. PRODUCERS PEANUT COMPANY, INC., Suffolk, Va.
Filed July 12, 1938. Serial No. 408,435. PUBLISHED SEPTEMBER 27, 1938. Class 46.

362,948. FAN-DRIVEN VENTILATORS, AIR DIFFUSERS, AND AIR ASPIRATORS. ANEMOSTAT CORPORATION OF AMERICA, New York, N. Y.
Filed July 13, 1938. Serial No. 408,446. PUBLISHED SEPTEMBER 27, 1938. Class 34.

362,949. WOOLEN FABRICS IN THE PIECE. LOUIS COHEN, New York, N. Y.
Filed July 13, 1938. Serial No. 408,456. PUBLISHED SEPTEMBER 20, 1938. Class 42.

362,950. CANNED FISH. FISHERMEN'S TUNA PACKING COMPANY, San Diego, Calif.
Filed July 13, 1938. Serial No. 408,459. PUBLISHED SEPTEMBER 27, 1938. Class 46.

362,951. CANNED FISH. FISHERMEN'S TUNA PACKING COMPANY, San Diego, Calif.
Filed July 13, 1938. Serial No. 408,460. PUBLISHED SEPTEMBER 27, 1938. Class 46.

362,952. PILE FABRICS OF COTTON AND WOOL MIXTURES IN THE PIECE. BEN GREENHOLTZ, New York, N. Y.
Filed July 13, 1938. Serial No. 408,461. PUBLISHED SEPTEMBER 20, 1938. Class 42.

362,953. COATS FOR THE USE OF WOMEN AND GIRLS. SMART-MAID COAT COMPANY, INCORPORATED, New York, N. Y.
Filed July 12, 1938. Serial No. 408,487. PUBLISHED SEPTEMBER 27, 1938. Class 39.

362,954. SPORT SHIRTS FOR MEN, WOMEN, OR CHILDREN. ALPS SPORTSWEAR MFG. CO., INC., Boston, Mass.
Filed July 14, 1938. Serial No. 408,489. PUBLISHED SEPTEMBER 13, 1938. Class 39.

362,955. KNIT AND FABRICATED MEN'S, WOMEN'S, AND CHILDREN'S SWIM SUITS. PACIFIC KNITTING MILLS, INC., Los Angeles, Calif.
Filed July 14, 1938. Serial No. 408,505. PUBLISHED SEPTEMBER 27, 1938. Class 39.

362,956. MEN'S SUITS, OVERCOATS, AND TOPCOATS. PEERLESS TAILORING COMPANY, Baltimore, Md.
Filed July 14, 1938. Serial No. 408,507. PUBLISHED SEPTEMBER 27, 1938. Class 39.

362,957. POTATOES. NATIONAL ASSOCIATION OF FOOD CHAINS, INC., Washington, D. C.
Filed July 15, 1938. Serial No. 408,544. PUBLISHED SEPTEMBER 27, 1938. Class 46.

362,958. WATERPROOFING COMPOUNDS FOR THE TREATMENT OF LEATHER, AND LEATHER DRESSING. VORTEXOL COMPANY, Saugus, Mass.
Filed July 16, 1938. Serial No. 408,589. PUBLISHED SEPTEMBER 27, 1938. Class 4.

362,959. LADIES', MISSES', AND CHILDREN'S WEARING APPAREL—NAMELY, DRESSES, HOUSE COATS, PAJAMAS, NIGHTGOWNS, AND SLIPS. BEST UNDERGARMENT COMPANY, St. Louis, Mo.
Filed July 18, 1938. Serial No. 408,594. PUBLISHED SEPTEMBER 27, 1938. Class 39.

362,960. BUTTER. HENEGAR BROS., doing business as Tennessee Valley Dairies, Pulaski, Tenn.
Filed July 19, 1938. Serial No. 408,641. PUBLISHED SEPTEMBER 27, 1938. Class 46.

362,961. DRIED WHEY, DRIED SKIM MILK, DRIED BUTTERMILK USED AS FEED FOR LIVESTOCK AND POULTRY. HERCULES POWDER COMPANY, Wilmington, Del.
Filed July 19, 1938. Serial No. 408,642. PUBLISHED SEPTEMBER 27, 1938. Class 46.

362,962. DRIED WHEY, DRIED SKIM MILK, DRIED BUTTERMILK USED AS FEED FOR LIVESTOCK AND POULTRY. HERCULES POWDER COMPANY, Wilmington, Del.
Filed July 19, 1938. Serial No. 408,644. PUBLISHED SEPTEMBER 27, 1938. Class 46.

362,963. HOSIERY. BERKSHIRE KNITTING MILLS, Wyomissing, Pa.
Filed July 20, 1938. Serial No. 408,687. PUBLISHED SEPTEMBER 27, 1938. Class 39.

362,964. MEN'S HOSIERY. MCLAURIN HOSIERY MILLS, Asheboro, N. C.
Filed July 20, 1938. Serial No. 408,724. PUBLISHED SEPTEMBER 27, 1938. Class 39.

362,965. MEN'S OVERCOATS AND TOP COATS. C. B. SHANE CORPORATION, Chicago, Ill.
Filed July 20, 1938. Serial No. 408,731. PUBLISHED SEPTEMBER 27, 1938. Class 39.

362,966. BELTING. TON-TEX CORPORATION, Grand Rapids, Mich.
Filed July 22, 1938. Serial No. 408,773. PUBLISHED SEPTEMBER 27, 1938. Class 35.

362,967. LADIES' AND MISSES' COATS AND SUITS. THE KELLER-KOHN CO., Cleveland, Ohio.
Filed July 23, 1938. Serial No. 408,844. PUBLISHED SEPTEMBER 27, 1938. Class 39.

362,968. CHILDREN'S DRESSES. LANDSMAN, KATZ & MONK, New York, N. Y.
Filed July 23, 1938. Serial No. 408,847. PUBLISHED SEPTEMBER 27, 1938. Class 39.

362,969. CANDIES. FRANCES SINAGNAN ET CIE. INC., doing business as Bagatelle, New York, N. Y.
Filed July 23, 1938. Serial No. 408,863. PUBLISHED SEPTEMBER 27, 1938. Class 46.

362,970. CIGARETTES. FRED BANE, Pulaski, Va.
Filed July 25, 1938. Serial No. 408,871. PUBLISHED SEPTEMBER 27, 1938. Class 17.

362,971. METAL PIPES AND CONDUITS. PARIS MANUFACTURING CO., INC., Paris, Ill.
Filed July 25, 1938. Serial No. 408,895. PUBLISHED SEPTEMBER 27, 1938. Class 13.

362,972. ASH STANDS. JACOB I. RUSSAKOV, doing business as The Russakov Company, Chicago, Ill.
Filed July 25, 1938. Serial No. 408,900. PUBLISHED SEPTEMBER 27, 1938. Class 8.

362,973. SWEATERS AND SWEATER ENSEMBLE CONSISTING OF A SWEATER AND COAT. CENTRAL KNITWEAR MILLS, INC., New York, N. Y.
Filed July 26, 1938. Serial No. 408,913. PUBLISHED SEPTEMBER 27, 1938. Class 39.

362,974. FRESH OYSTERS. EDWARD T. MCNANEY, Baltimore, Md.
Filed July 26, 1938. Serial No. 408,928. PUBLISHED SEPTEMBER 27, 1938. Class 46.

362,975. TOOTH BRUSHES. PRO-PHY-LAC-TIC BRUSH COMPANY, Northampton, Mass.
Filed July 26, 1938. Serial No. 408,931. PUBLISHED SEPTEMBER 27, 1938. Class 29.

362,976. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. DIONYSIOS KARAVIDAS, doing business as New Gold Bottling Company, Baltimore, Md.
Filed July 27, 1938. Serial No. 408,940. PUBLISHED SEPTEMBER 27, 1938. Class 45.

362,977. GAME ADAPTED TO BE PLAYED WITH MOVABLE PIECES. CENTERBAR COMPANY, Natick, Mass.
Filed July 27, 1938. Serial No. 408,941. PUBLISHED SEPTEMBER 27, 1938. Class 22.

362,978. TELLTALE OR INDICATING LUBRICATION FITTINGS. KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa.
Filed July 27, 1938. Serial No. 408,953. PUBLISHED SEPTEMBER 27, 1938. Class 23.

362,979. PREPARATION FOR REMOVAL OF RUST AND STAIN FROM PORCELAIN, ENAMEL, OR VITREOUS CHINA SURFACES. LISLE C. VAN NEST, doing business as National Laboratories, Toledo, Ohio.
Filed July 27, 1938. Serial No. 408,976. PUBLISHED SEPTEMBER 27, 1938. Class 4.

362,980. LADIES' COATS. CARDAIS CLOAK CO., St. Louis, Mo.
Filed July 28, 1938. Serial No. 408,987. PUBLISHED SEPTEMBER 27, 1938. Class 39.

362,981. FERTILIZER DISTRIBUTORS. COLUMBUS IRON WORKS COMPANY, doing business as Columbus Iron Works Company, Southern Plow Company Department, Columbus, Ga.
Filed July 28, 1938. Serial No. 408,991. PUBLISHED SEPTEMBER 27, 1938. Class 23.

362,982. APPARATUS FOR PROCESSING EDIBLE NUTS, PARTICULARLY NUT CRACKING MACHINES, NUT HANDLING MACHINES, GRADING MACHINES, AND SORTING EQUIPMENT. JOHN A. SCHULER, doing business as Simplex Nut Machine Company, East St. Louis, Ill.
Filed July 28, 1938. Serial No. 409,010. PUBLISHED SEPTEMBER 27, 1938. Class 23.

362,983. BANANA MILK POWDER USED FOR MILK SHAKES, ICE CREAMS, CANDY, BAKED GOODS, SUNDAES, DESSERT TOPPING, OTHER CONFECTIONS, AND BABY FOOD. WILTZ W. WAGNER, doing business as Chas. P. Wagner and Bro., New Orleans, La.
Filed July 28, 1938. Serial No. 409,016. PUBLISHED SEPTEMBER 27, 1938. Class 46.

362,984. READY MIXED PAINTS. PHELAN-FAUST PAINT MFG. CO., St. Louis, Mo.
Filed July 29, 1938. Serial No. 409,020. PUBLISHED SEPTEMBER 27, 1938. Class 16.

362,985. CIGARS. GOLDSMITH BROS., New York, N. Y.
Filed July 29, 1938. Serial No. 409,033. PUBLISHED SEPTEMBER 27, 1938. Class 17.

362,986. SYNTHETIC RUBBER AND RUBBER-LIKE MATERIALS. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany.
Filed July 29, 1938. Serial No. 409,037. PUBLISHED SEPTEMBER 27, 1938. Class 1.

362,987. COTTON AND RAYON PIECE GOODS AND DRESS GOODS. M. LOWENSTEIN & SONS, INC., New York, N. Y.
Filed July 29, 1938. Serial No. 409,044. PUBLISHED SEPTEMBER 20, 1938. Class 42.

362,988. HOSIERY. NATIONAL SILK HOSIERY MILLS, INC., Indianapolis, Ind.
Filed July 29, 1938. Serial No. 409,052. PUBLISHED SEPTEMBER 27, 1938. Class 39.

362,989. CLEANING PREPARATION FOR PAINTED AND ENAMELED SURFACES, WOODWORK, AND THE LIKE. PRIM CORPORATION, St. Louis, Mo.
Filed July 29, 1938. Serial No. 409,058. PUBLISHED SEPTEMBER 27, 1938. Class 4.

362,990. SHEETS, PILLOWCASES, PILLOW TUBINGS, SHEETINGS, AND MATTRESS COVERS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed July 29, 1938. Serial No. 409,061. PUBLISHED SEPTEMBER 20, 1938. Class 42.

362,991. MEN'S AND WOMEN'S HOSIERY. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed July 30, 1938. Serial No. 409,081. PUBLISHED SEPTEMBER 27, 1938. Class 39.

362,992. APRON RECESS AND CORNER BATH TUBS AND SEAT BATH TUBS. THE HUMPHRYES MANUFACTURING CO., Mansfield, Ohio.
Filed July 30, 1938. Serial No. 409,096. PUBLISHED SEPTEMBER 27, 1938. Class 13.

362,993. FOG LAMPS FOR MOTOR VEHICLES. GENERAL MOTORS CORPORATION, Detroit, Mich.
Filed August 1, 1938. Serial No. 409,123. PUBLISHED SEPTEMBER 27, 1938. Class 21.

362,994. FROZEN CONFECTIONS. JOE LOWE CORPORATION, New York, N. Y.
Filed August 1, 1938. Serial No. 409,132. PUBLISHED SEPTEMBER 27, 1938. Class 46.

362,995. COTTON, RAYON, ACETATE, AND SILK PIECE GOODS. COHN-HALL-MARX CO., New York, N. Y.
Filed August 2, 1938. Serial No. 409,157. PUBLISHED SEPTEMBER 20, 1938. Class 42.

362,996. WOOLEN AND COTTON FABRICS IN THE PIECE. CHARLES W. CONAWAY, New York, N. Y.
Filed August 2, 1938. Serial No. 409,159. PUBLISHED SEPTEMBER 20, 1938. Class 42.

362,997. ARTIFICIAL FISHING LURES AND HOOKS. MERRIEL DALE KEYSER, Edgewood, Md.
Filed August 3, 1938. Serial No. 409,199. PUBLISHED SEPTEMBER 27, 1938. Class 22.

362,998. SIRUP USED IN THE MANUFACTURE OF NONALCOHOLIC MALTLESS BEVERAGES. GARABED S. PAPAZIAN, doing business as Papazian Coffee Co., West New Brighton, N. Y.
Filed August 3, 1938. Serial No. 409,205. PUBLISHED SEPTEMBER 20, 1938. Class 45.

362,999. UMBRELLAS. RICE-STIX DRY GOODS COMPANY, St. Louis, Mo.
Filed August 3, 1938. Serial No. 409,210. PUBLISHED SEPTEMBER 27, 1938. Class 41.

363,000. TEXTILE FABRICS IN THE PIECE, COMPOSED OF WOOL AND WOOL IN COMBINATION WITH COTTON, LINEN, SILK, AND RAYON. ROCK HILL WOOLENS, INC., New York, N. Y.
Filed August 3, 1938. Serial No. 409,211. PUBLISHED SEPTEMBER 20, 1938. Class 42.

363,001. CARPETS AND RUGS. ARTLOOM CORPORATION, Philadelphia, Pa.
Filed August 5, 1938. Serial No. 409,254. PUBLISHED SEPTEMBER 20, 1938. Class 42.

363,002. TEXTILE FABRIC IN THE PIECE—NAMELY, A NOVELTY ALPACA CONSISTING OF ACETATE AND RAYON. FRANKLY SILK CORP., New York, N. Y.
Filed August 5, 1938. Serial No. 409,266. PUBLISHED SEPTEMBER 27, 1938. Class 42.

363,003. HANDKERCHIEFS. THE INTERNATIONAL HANDKERCHIEF MFG. CO., New York, N. Y.
Filed August 6, 1938. Serial No. 409,315. PUBLISHED SEPTEMBER 13, 1938. Class 39.

363,004. DRAPERY AND CURTAIN FABRICS IN THE PIECE; MADE-UP CURTAINS, DRAPERIES, AND HANGINGS; TEXTILE CARPETS AND RUGS; BEDDING—NAMELY, PILLOW-CASES, SHEETS, BLANKETS, COMFORTERS; TABLECLOTHS, NAPKINS, TOWELS, WASH-CLOTHS. BARKER BROS., CORPORATION, Los Angeles, Calif.
Filed August 8, 1938. Serial No. 409,339. PUBLISHED SEPTEMBER 27, 1938. Class 42.

363,005. WORSTED AND MOHAIR CLOTH IN THE PIECE FOR MEN'S SUITINGS. WATERHOUSE WOOLEN COMPANY, Chicago, Ill.
Filed August 8, 1938. Serial No. 409,376. PUBLISHED SEPTEMBER 27, 1938. Class 42.

363,006. MATTRESSES. WESTERN MATTRESS COMPANY, OF OREGON, Portland, Oreg.
Filed August 8, 1938. Serial No. 409,378. PUBLISHED SEPTEMBER 27, 1938. Class 32.

363,007. BLANKETS MADE WHOLLY OF COTTON. BEACON MANUFACTURING COMPANY, Swannanoa, N. C.
Filed August 9, 1938. Serial No. 409,381. PUBLISHED SEPTEMBER 27, 1938. Class 42.

363,008. SHEETS, PILLOWCASES, AND COTTON PIECE GOODS. FRUIT OF THE LOOM, INC., Providence, R. I.
Filed August 9, 1938. Serial No. 409,396. PUBLISHED SEPTEMBER 27, 1938. Class 42.

363,009. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed August 10, 1938. Serial No. 409,425. PUBLISHED SEPTEMBER 27, 1938. Class 42.

363,010. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed August 10, 1938. Serial No. 409,426. PUBLISHED SEPTEMBER 27, 1938. Class 42.

363,011. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS, AND SIRUPS AND EXTRACTS FOR MAKING THE SAME, AND FOR MINERAL WATERS. FRED KORN, Chicago, Ill.
Filed August 10, 1938. Serial No. 409,428. PUBLISHED SEPTEMBER 27, 1938. Class 45.

363,012. GASKETS. VICTOR MANUFACTURING AND GASKET COMPANY, Chicago, Ill.
Filed August 10, 1938. Serial No. 409,450. PUBLISHED SEPTEMBER 27, 1938. Class 35.

363,013. LIQUID FLOOR WAX, LIQUID LINOLEUM WAX OR DRESSING PREPARATION FOR THE SAME, AND QUICK DRYING LIQUID FURNITURE POLISH. KROM LABORATORIES, INC., Kingston, N. Y.
Filed August 11, 1938. Serial No. 409,474. PUBLISHED SEPTEMBER 27, 1938. Class 16.

363,014. WOVEN WOOLEN CLOTH IN THE PIECE. S. STROOCK & CO. INC., New York, N. Y.
Filed August 11, 1938. Serial No. 409,494. PUBLISHED SEPTEMBER 27, 1938. Class 42.

363,015. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed August 12, 1938. Serial No. 409,515. PUBLISHED SEPTEMBER 27, 1938. Class 42.

363,016. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed August 12, 1938. Serial No. 409,516. PUBLISHED SEPTEMBER 27, 1938. Class 42.

363,017. VISIBLE INDEX FILING EQUIPMENT USED IN FILE DRAWERS. THE GENERAL FIREPROOFING CO., Youngstown, Ohio.
Filed August 12, 1938. Serial No. 409,517. PUBLISHED SEPTEMBER 27, 1938. Class 32.

363,018. WHISKEY. DISTILLERS DISTRIBUTING CORPORATION, Minneapolis, Minn.
Filed August 15, 1938. Serial No. 409,604. PUBLISHED SEPTEMBER 27, 1938. Class 49.

363,019. WHISKEY. DISTILLERS DISTRIBUTING CORPORATION, Minneapolis, Minn.
Filed August 15, 1938. Serial No. 409,605. PUBLISHED SEPTEMBER 27, 1938. Class 49.

363,020. TWINE MANUFACTURED FROM VEGETABLE FIBRES. LUDLOW MANUFACTURING & SALES CO., Boston, Mass.
Filed August 17, 1938. Serial No. 409,690. PUBLISHED SEPTEMBER 27, 1938. Class 7.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

363,021. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE EDWARD KATZINGER COMPANY, Chicago, Ill. Filed Sept. 2, 1937. Serial No. 397,238.

KLEEN-KRUST

For Base Metal Bake Pans.
Claims use since Sept. 19, 1914.

363,022. (CLASS 39. CLOTHING.) LOUIS J. MALLAS, New York, N. Y. Filed Oct. 2, 1937. Serial No. 398,051.

Dorthea Hale FASHIONS

For Women's and Misses' Wearing Apparel, and More Particularly Dresses, Shoes, Made of Leather, Fabric or Combinations Thereof, Hosiery, Underwear, Pajamas, Hats, Gloves Made of Leather or Fabric, Coats, Suits, Raincapes, Raincoats, Sweaters, Bathing Suits, Leather Jackets, Robes, Evening Wraps, Riding Habits, and Skiing Apparel.
Claims use since Sept. 1, 1937.

363,023. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) YANKEE METAL PRODUCTS CORP., Norwalk, Conn. Filed Nov. 2, 1937. Serial No. 399,262.

BIKE LITE

For Vehicle Safety Reflecting Signal Lenses.
Claims use since Oct. 28, 1937.

363,024. (CLASS 32. FURNITURE AND UPHOLSTERY.) AL-LON MANUFACTURING CO., INC., Baltimore, Md. Filed Nov. 11, 1937. Serial No. 399,590.

KLING-TITE

For Furniture Slip Covers.
Claims use since Oct. 21, 1937.

363,025. (CLASS 47. WINES.) HOOD RIVER DISTILLERS, INC., Hood River, Oreg. Filed Dec. 6, 1937. Serial No. 400,506.

HOOD RIVER

Delicious Brand

For Apple Wine.
Claims use since Oct. 22, 1937.

363,026. (CLASS 32. FURNITURE AND UPHOLSTERY.) NAN B. SALTERINI, doing business as John B. Salterini Company, New York, N. Y. Filed July 2, 1938. Serial No. 408,168.

NEVA-RUST

For Metal Tables, Chairs, and Other Sitting Pieces for Porch and Lawn Use.
Claims use since Jan. 11, 1937.

363,027. (CLASS 45. BEVERAGES, NONALCOHOLIC.) LOUIS W. BRANDT, Binghamton, N. Y. Filed July 21, 1938. Serial No. 408,748.

LOTZ

For Nonalcoholic, Noncereal, Maltless Beverages, Sold as Soft Drinks and Sirups and Extracts for Making the Same.
Claims use since January, 1925.

363,028. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE HUMKO CO., Memphis, Tenn. Filed Sept. 1, 1938. Serial No. 410,179.

Kopald
PERFECTLY HYDROGENATED

For Shortening Made from Vegetable Oils.
Claims use since Jan. 24, 1934.

363,029. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ARNOLD, SCHWINN & CO., Chicago, Ill. Filed Sept. 9, 1938. Serial No. 410,385.

PULLMAN

For Bicycles.
Claims use since Jan. 15, 1919.

363,030. (CLASS 43. THREAD AND YARN.) CALLAWAY MILLS, La Grange, Ga. Filed Sept. 23, 1938. Serial No. 410,898.

EVERLAST

For Yarn.
Claims use since 1928.

363,031. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) NICHOLAS & CO., INC., IMPORTERS, New York, N. Y. Filed Oct. 22, 1938. Serial No. 411,962.

NICHOLAS

For Rye Whiskey.
Claims use since August, 1934.

363,032. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) GOODERHAM & WORTS LIMITED, Detroit, Mich. Filed Oct. 24, 1938. Serial No. 411,991.

MACNAIR'S

For Whiskey.
Claims use since December, 1933.

TRADE-MARK REGISTRATIONS RENEWED

15,972. MEDICINE FOR DIPHTHERIA AND CROUP. Registered October 30, 1888. MRS. F. HORST & CO., Independence, Wis. Re-renewed October 30, 1938, to Arthur F. Horst, Tacoma, Wash., successor.

16,531. PERFUMES, PERFUMED WATERS, AND BAY-RUM, ALSO SOAPS, POWDERS, AND COSMETICS. Registered April 23, 1889. JOHN WANAMAKER PHILADELPHIA, as assignee of John Wanamaker. Re-renewed April 23, 1939, to John Wanamaker Philadelphia, Philadelphia, Pa., a corporation of Pennsylvania, assignee.

123,205. COFFEE. Registered October 22, 1918. CLARK & MACKUSICK COMPANY. Renewed October 22, 1938, to Berry, Dodge Co., Boston, Mass., a corporation of Massachusetts, successor.

123,227. WOMEN'S AND MISSES' BOOTS AND SHOES. Registered October 22, 1918. J. J. GROVER'S SONS. Renewed October 22, 1938, to J. J. Grover Shoe Company, Lynn, Mass., a corporation of Massachusetts, assignee by mesne assignments.

123,488. MATTRESSES. Registered November 12, 1918. SEALY MATTRESS CO., Sugar Land, Tex. Renewed November 12, 1938, to Sealy, Incorporated, North Side Pittsburgh, Pa., a corporation of Delaware, assignee by mesne assignments.

123,620. INFANTS' KNITTED UNDERWEAR AND VESTS. Registered November 19, 1918. MARSHALL FIELD & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed November 19, 1938.

123,751. DAMP-PROOFING MATERIAL, COMPRISING A LIQUID HAVING WATERPROOFING OR WATER-RESISTING QUALITIES. Registered December 3, 1918. THE PHILIP CAREY MANUFACTURING COMPANY, Lockland, Ohio, a corporation of Ohio. Renewed December 3, 1938.

123,885. CERTAIN NAMED PHARMACEUTICAL PREPARATIONS FOR TOILET PURPOSES. Registered December 17, 1918. HARRIET HUBBARD AYER, New York, N. Y., a corporation of New York. Renewed December 17, 1938.

123,886. CERTAIN NAMED PHARMACEUTICAL PREPARATIONS FOR TOILET PURPOSES. Registered December 17, 1918. HARRIET HUBBARD AYER, New York, N. Y., a corporation of New York. Renewed December 17, 1938.

123,944. CAUSTIC SODA. Registered December 24, 1918. THE MENDLESON CORPORATION, New York and Albany, N. Y. Renewed December 24, 1938, to B. T. Babbitt, Inc., Albany, N. Y., a corporation of New York, assignee.

123,954. CERTAIN NAMED MEDICINES AND PHARMACEUTICAL PREPARATIONS. Registered December 24, 1918. SANOL CHEMICAL COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed December 24, 1938.

123,975. SAFETY-RAZORS. Registered December 31, 1918. AUGUSTUS HAGER BRYANT, New York, N. Y. Renewed December 31, 1938, to International Safety Razor Corporation, Bloomfield, N. J., a corporation of New Jersey, successor.

124,081. BAKING-POWDER AND SALT. Registered January 14, 1919. CALIFORNIA PACKING CORPORATION, San Francisco, Calif., a corporation of New York. Renewed January 14, 1939.

124,132. VEGETABLE, FLOWER, GRASS, AND FIELD SEEDS. Registered January 14, 1919. THE NEBRASKA SEED CO., Omaha, Nebr., a corporation of Nebraska. Renewed January 14, 1939.

124,137. WINDOW-SHADE CLOTH. Registered January 14, 1919. ORDINATOR COMPANY, INC., New York, N. Y. Renewed January 14, 1939, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware, assignee.

124,297. EXPANSION-SHIELDS FOR MACHINE-BOLTS, MACHINE-SCREWS, CAP-SCREWS, TAP-BOLTS, AND STUD-BOLTS. Registered February 4, 1919. DIAMOND EXPANSION BOLT CO., New York, N. Y. Renewed February 4, 1939, to Diamond Expansion Bolt Company, Inc., Garwood, N. J., a corporation of New Jersey, assignee.

124,547. RICE. Registered February 25, 1919. KANSAS CITY WHOLESALE GROCERY CO., Kansas City, Mo., a corporation of Missouri. Renewed February 25, 1939.

124,693. DRILLS, DRILL-HANDLES, DRILL-POINTS, AND DRILL-BITS. Registered March 11, 1919. DIAMOND EXPANSION BOLT CO., New York, N. Y. Renewed March 11, 1939, to Diamond Expansion Bolt Company, Inc., Garwood, N. J., a corporation of New Jersey, assignee.

124,819. POTATO-FLOUR. Registered March 18, 1919. CALIFORNIA PACKING CORPORATION, San Francisco, Calif., a corporation of New York. Renewed March 18, 1939.

124,955. MOTION-PICTURE FILMS. Registered April 1, 1919. CALIFORNIA PACKING CORPORATION, San Francisco, Calif., a corporation of New York. Renewed April 1, 1939.

124,961. EXPANSION-BOLTS, EXPANSION-SHIELDS, AND SCREW ANCHORS. Registered April 1, 1919. DIAMOND EXPANSION BOLT CO., New York, N. Y. Renewed April 1, 1939, to Diamond Expansion Bolt Company, Inc., Garwood, N. J., a corporation of New Jersey, assignee.

124,970 MASKS AND RESPIRATORS. Registered April 1, 1919. THE HYGEIA RESPIRATOR CO., Passaic, N. J. Renewed April 1, 1939, to The Hygeia Respirator Co., New York, N. Y., a firm.

124,980. PEANUT-BUTTER. Registered April 1, 1919. WM. T. MULLIKIN CO., INC. Renewed April 1, 1939, to Edwards-Freeman, Inc., Philadelphia, Pa., a corporation of Pennsylvania, assignee.

125,067. HATS AND CAPS. Registered April 8, 1919. A. LESSER & CO., New York, N. Y., a copartnership. Renewed April 8, 1939.

125,113. CORKS. Registered April 8, 1919. WILLIS JASON KENDRICK INC. Renewed April 8, 1939, to Willis Jason Kendrick, Saratoga Springs, N. Y., assignee.

125,126. ICE-CREAM. Registered April 15, 1919. CHAPIN-SACKS MANUFACTURING COMPANY. Renewed April 15, 1939, to Southern Dairies, Inc., Washington, D. C., a corporation of Delaware, successor.

125,190. CERTAIN NAMED FARM IMPLEMENTS. Registered April 22, 1919. BLOUNT PLOW WORKS, Evansville, Ind., a corporation of Indiana. Renewed April 22, 1939.

125,194. BRONZE BUSHINGS. Registered April 22, 1919. THE BUNTING BRASS & BRONZE COMPANY, Toledo, Ohio, a corporation of Ohio. Renewed April 22, 1939.

125,206. EXPANSION-BOLTS, EXPANSION-SHIELDS, AND SCREW-ANCHORS. Registered April 22, 1919. DIAMOND EXPANSION BOLT CO., New York, N. Y. Renewed April 22, 1939 to Diamond Expansion Bolt Company, Inc., Garwood, N. J., a corporation of New Jersey, assignee.

125,234. VARNISH. Registered April 22, 1919. THE LOWE BROTHERS COMPANY. Renewed April 22, 1939, to The Lowe Brothers Company, Dayton, Ohio, a corporation of Ohio, assignee by mesne assignments.

125,236. LINSEED-OIL, TURPENTINE, DRY AND READY-MIXED PAINTS, AND VARNISHES. Registered April 22, 1919. WM. MCDONAGH & SONS, New York, N. Y., a partnership. Renewed April 22, 1939.

125,258. GASOLENE, NAPHTHA, AND BENZIN. Registered April 22, 1919. THE TEXAS COMPANY, Houston and Port Arthur, Tex., and New York, N. Y. Renewed April 22, 1939, to The Texas Company, New York, N. Y., a corporation of Delaware, assignee.

LABELS

REGISTERED DECEMBER 6, 1938

52,183.—*Title:* JIM BEAM. For Straight Bourbon Whiskey. JAMES B. BEAM DISTILLING CO., INCORPORATED, Clermont, Ky. Published May 21, 1938.

52,184.—*Title:* CAFE' JAI-ALAI. For Coffee. BUSTELO COFFEE ROASTING CO. INC., New York, N. Y. Published October 17, 1938.

52,185.—*Title:* RUPTURED! For Trusses. RUSSELL A. CAMPBELL, doing business as The Miller Laboratories, Gettysburg, Pa. Published May 13, 1938.

52,186.—*Title:* CARROLL INJURINE. For an Antiseptic. H. F. CARROLL, Clayton, Mo. Published October 25, 1938.

52,187.—*Title:* FANCY CELERY. For Celery. F. D. CROCE & COMPANY, INC., New York, N. Y. Published November 1, 1938.

52,188.—*Title:* HOPSCOTCH FABRICS. For Fabrics. LOUIS GEIGER, INC., New York, N. Y. Published October 14, 1938.

52,189.—*Title:* CAFFE-DELLA DOLCERIA GUIDA. For Coffee. ANTONIO D. GUIDA, Brooklyn, N. Y. Published June 25, 1938.

52,190.—*Title:* CAFFE-DELLA DOLCERIA GUIDA. For Coffee. ANTONIO D. GUIDA, Brooklyn, N. Y. Published June 25, 1938.

52,191.—*Title:* C-O-A, COAT OF ARMS BRAND POLISH AND CLEANER. For a Polish and Cleaner for Furniture, Woodwork, All Varnished and Painted Surfaces. GEORGE GUIDINGER, Oak Park, Ill. Published September 14, 1938.

52,192.—*Title:* SILVER CREST. For Bread. GEORGE L. HUDSON, Chicago, Ill. Published September 12, 1938.

52,193.—*Title:* JOHNSON'S '66' QUICK DRYING VARNISH. For a Quick Drying Varnish. S. C. JOHNSON & SON, INC., Racine, Wis. Published September 23, 1938.

52,194.—*Title:* SAL GRADA. For a Tonic Laxative. B. G. JONES, doing business as Sal Grada Medicine Company, Oklahoma City, Okla. Published October 26, 1938.

52,195.—*Title:* KREIDER'S SWEETHEARTS. For Shoes. A. S. KREIDER CO., Lebanon, Pa. Published October 18, 1938.

52,196.—*Title:* BLACK JACK. For Fresh Lettuce. MUSANTE-WILLIAMS, INC., Salinas, Calif. Published October 20, 1938.

52,197.—*Title:* AIR-VENT PILLOW BAG. For Bags for Pillows, Clothing and Other Articles. ARNO REINHOLD, doing business as Reinhold Company, Cleveland, Ohio. Published September 17, 1938.

52,198.—*Title:* AIR-VENT FOOD CONTAINER. For Food Container Bags. ARNO REINHOLD, doing business as Reinhold Company, Cleveland, Ohio. Published September 17, 1938.

52,199.—*Title:* AIR-VENT VACUUM COFFEE MAKER COVER. For Covers for Vacuum Coffee Makers. ARNO REINHOLD, doing business as Reinhold Company, Cleveland, Ohio. Published September 17, 1938.

52,200.—*Title:* AIR-VENT BREAD BAG. For Bags for Containing Bread and Other Food. ARNO REINHOLD, doing business as Reinhold Company, Cleveland, Ohio. Published September 17, 1938.

52,201.—*Title:* AIR-VENT AUTOMATIC ELECTRIC TOASTER COVER. For Covers for Automatic Electric Toasters. ARNO REINHOLD, doing business as Reinhold Company, Cleveland, Ohio. Published September 17, 1938.

PRINTS

REGISTERED DECEMBER 6, 1938

17,145.—*Title:* INSTRUCTIONS THE MILLER FORM-FITTING TRUSS. For Trusses. RUSSELL A. CAMPBELL, doing business as The Miller Laboratories, Gettysburg, Pa. Published April 30, 1938.

17,146.—*Title:* LICKED . . . UNLESS HE GETS THE FOOD ENERGY HE NEEDS EVERY DAY! For Wheat Breakfast Food. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn. Published October 25, 1938.

17,147.—*Title:* NOW . . . CORN IN TEMPTING "BUBBLES" . . . SOMETHING ENTIRELY NEW FOR BREAKFAST. For Cereal Food. GENERAL MILLS, INC., Minneapolis, Minn. Published November 10, 1938.

17,148.—*Title:* THREE STARS OF "MEN WITH WINGS" AGREE. For Biscuit Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published November 10, 1938.

17,149.—*Title:* BUY BURN BOOST ANTHRACITE COAL. For Anthracite Coal. MILTON C. JOHNSON COMPANY, INC., doing business as Milton C. Johnson Company, New York, N. Y. Published September 20, 1938.

17,150.—*Title:* HE RUNS A $60,000,000 COMPANY WITH THE PEN THAT HAS WHAT IT TAKES. For Fountain Pens, Mechanical Pencils and Ink. THE PARKER PEN COMPANY, Janesville, Wis. Published November 5, 1938.

17,151.—*Title:* PONTIAC PROTECTIVE COATINGS, INTERIOR GLOSS FOR WALLS AND WOODWORK. For Paint. PONTIAC VARNISH COMPANY, Pontiac, Mich. Published June 30, 1938.

REISSUES

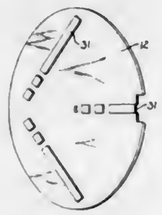
DECEMBER 6, 1938

20,934
UTILITY PLATE
Henry Hill Collins, Bryn Mawr, Pa.
Original No. 2,032,835, dated March 3, 1936, Serial No. 731,745, June 21, 1934. Application for reissue October 23, 1937, Serial No. 170,629
2 Claims. (Cl. 65—15)



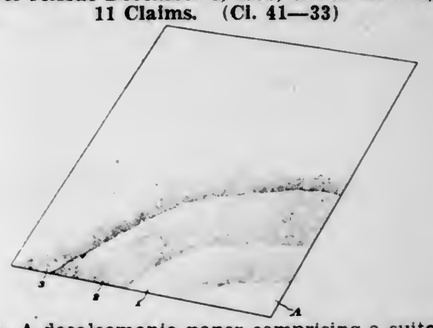
2. In a receptacle of the character described, a substantially rigid base member having a flat bottom, a shallow upstanding flange projecting from the peripheral edge of said bottom, a relatively wide flange projecting substantially horizontally from the upper edge of said upstanding flange and terminating in a narrow upstanding rim, a thin flexible covering element of substantially the same shape and size as the base member formed to cover and snugly fit the upper surface of the base member, the peripheral portion of the covering element being radially corrugated and having the outer edge thereof frictionally fitting against the inner surface of the upstanding rim, said rim being of substantially the same height as the effective height of the corrugated peripheral portion of the covering element, whereby the base member is substantially concealed by the covering element and said rim forms a narrow unobtrusive margin at the outer edge of the assembly.

20,935
SIGNAL DEVICE
William R. Curtiss, Meriden, Conn., assignor, by mesne assignments, to Air Devices Corporation, a corporation of Delaware
Original No. 2,097,291, dated October 26, 1937, Serial No. 108,418, October 30, 1936, which is a division of Serial No. 670,697, May 12, 1933. Application for reissue October 26, 1937, Serial No. 171,082
4 Claims. (Cl. 177—329)



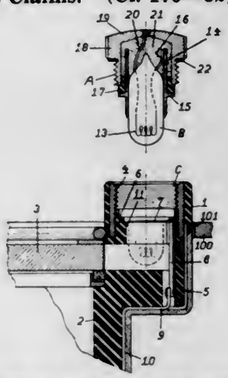
2. In a signalling device of the character described, a cover member having a light-transmitting opening therein, and a substantially-rigid light-transmitting plate having a raised portion extending into the opening in said cover member, said raised portion having the outer surface thereof substantially flush with the outer surface of the cover member and the thickness of said raised portion being substantially equal to the thickness of the remainder of the plate.

20,936
DECALCOMANIA PAPER
Lewis Davis, Worcester, Mass., assignor to McLaurin-Jones Co., Brookfield, Mass., a corporation of Massachusetts
Original No. 2,023,803, dated December 10, 1935, Serial No. 728,234, May 31, 1934. Application for reissue December 8, 1937, Serial No. 178,834
11 Claims. (Cl. 41—33)



1. A decalcomania paper comprising a suitable backing sheet, a water resistant coating carried by said sheet to take decalcomania printing, and a protective coating of resinous water resistant material between the first mentioned coating and said sheet, said protective coating being substantially insoluble in a solvent which readily dissolves the other coating.

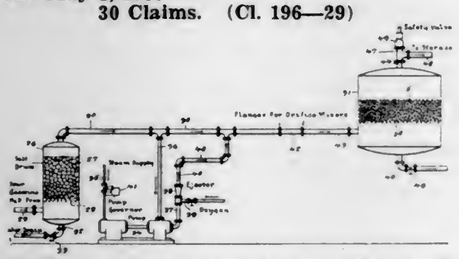
20,937
MINIATURE ELECTRIC LAMP BULB SEAT AND SOCKET COMBINATION
Paul Kollsman, New York, N. Y.
Original No. 2,088,559, dated July 27, 1937, Serial No. 140,166, May 1, 1937. Application for reissue October 10, 1938, Serial No. 234,270
18 Claims. (Cl. 176—32)



1. In combination, a plug base member having a hollow nipple portion providing a bulb seat and a closed finger operable gripper portion; said nipple portion having external combined socketing and electrical contacting male threaded metallic means; a miniature electric lamp bulb of smaller size than said bulb seat and having terminal leads; a second metallic contact of arcuate form embracing said bulb beyond said nipple portion; connections for said leads to said

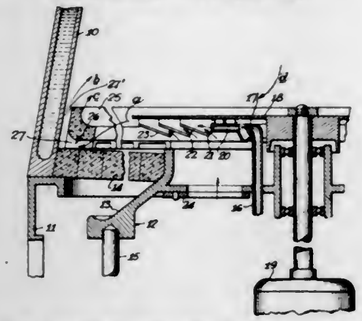
threaded metallic means and said second contact; and insulating means securing the terminal portion of said bulb in said seat with the light emitting portion exposed coaxially therewith and securing said second contact coaxially with said nipple portion and about said bulb.

20,938
PROCESS FOR PURIFYING HYDROCARBON OILS
Charles O. Hoover, Houston, Tex., assignor to Bennett-Clark Co., Inc., San Antonio, Tex., a corporation of Texas
Original No. 2,042,050, dated May 26, 1936, Serial No. 35,652, August 10, 1935. Application for reissue May 25, 1938, Serial No. 209,967. In Canada May 4, 1935
30 Claims. (Cl. 196—29)



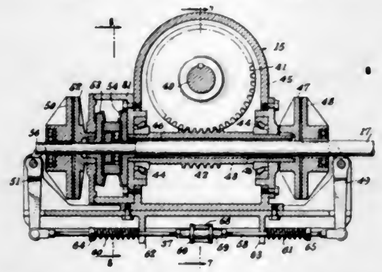
29. Process for sweetening mercaptan-bearing hydrocarbon oil to sweeten the same, which comprises adding to said oil an oxygen-containing gas and a controlled amount of moisture, and contacting the resultant mixture, with a treating agent comprising an adsorbent material and a copper compound forming mercaptides with mercaptans.

20,939
APPARATUS FOR PRODUCING COMBUSTION
George Stanley Meikle, West Lafayette, Ind.
Original No. 1,856,720, dated May 3, 1932, Serial No. 186,625, April 26, 1927. Application for reissue April 30, 1934, Serial No. 723,279
14 Claims. (Cl. 158—4)



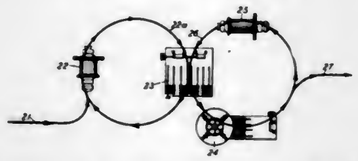
5. In a burner structure, the combination with a rotatable head having fuel feeding means and a rotatable open cup adapted to partially atomize a liquid hydrocarbon fuel fed thereto and fuel-ejecting nozzles adapted for rotation with said cup for emitting jets of the partially atomized liquid hydrocarbon fuel flowing from said cup, of means in said head for further atomizing said jets by impact, baffle means associated with the first said means for admixing air with said atomized fuel, a hearth cooperatively disposed about said burner structure beneath the path of said atomized fuel and extending to a surface to be heated, and means for supplying secondary air to said atomized fuel during its passage over the hearth.

20,940
POWER APPARATUS
Lewis S. Troell, Brooklyn, N. Y.
Original No. 2,096,214, dated October 19, 1937, Serial No. 70,970, March 26, 1936. Application for reissue August 27, 1938, Serial No. 227,190
10 Claims. (Cl. 74—379)



1. In a power unit of the character disclosed, the combination of a worm gear and a worm for driving the same, a power shaft extending rotatably through said worm, clutches at opposite ends of said worm for coupling the same with said power shaft, one of said clutches being directly connected with the worm for effecting rotation of the same with the power shaft and direction reversing gearing at the other clutch for effecting rotation of the worm, counter to the power shaft, a shaft operated by said worm gear, a casing for said worm gearing, including oppositely projecting tubular extensions in which said worm gear shaft is journaled and adjustable supporting means for said tubular extensions and by which said entire unit may be supported in different positions.

20,941
METHOD OF GRINDING
James V. Slade, New Rochelle, N. Y., assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware
Original No. 2,052,426, dated August 25, 1936, Serial No. 637,696, October 14, 1932. Application for reissue August 23, 1938, Serial No. 226,309
16 Claims. (Cl. 83—94)



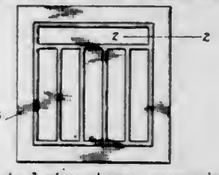
16. A method of stagewise wet grinding, which comprises grinding material to be treated in parallel operation in a first and in a second grinding stage; introducing new feed material into the system by way of the first grinding stage; transferring material from the discharge of both grinding stages to a first wet classifying stage; recycling classified material from the first classifying stage to the one of said grinding stages while transferring the overflow from that classifying stage to a second wet classifying stage; and means for recycling classified material from said second classifying stage to the other of said grinding stages.

20,942
NECKTIE
Jack Weisbaum, Cincinnati, Ohio
Original No. 2,051,322, dated August 18, 1936, Serial No. 79,957, May 15, 1936, which is a division of Serial No. 67,345, March 5, 1936. Application for reissue April 27, 1938, Serial No. 204,700
7 Claims. (Cl. 2—146)



1. A four-in-hand tie comprising a piece of fabric cut on the bias and uniformly stretchable throughout its length and having three folding creases extending throughout the length of the tie along which creases the tie is folded into four approximately even widths producing four thicknesses of fabric throughout approximately the full width of that portion of the tie which is exposed to view when in use, the first width comprising the part exposed to view when in use, the second width attached to the first and folded back against it along one creased edge of said first width, the third width attached to the first and folded back along the other creased edge of the exposed width, the fourth width attached to the third and folded back along the other creased edge of said third width, the side edges of the second and fourth widths overlying each other substantially underneath and concealed by one edge crease of the exposed width, and the creased edge between the third and fourth width being spaced slightly inwardly from and thereby concealed by the other edge of the exposed width when in use.

20,943
AUTOMOBILE TRIM PANEL
Herbert J. Woodall, Detroit, Mich., assignor to Woodall Industries Incorporated, Detroit, Mich., a corporation of Michigan
Original No. 1,999,385, dated April 30, 1935, Serial No. 709,783, February 5, 1934. Application for reissue April 16, 1936, Serial No. 74,795
18 Claims. (Cl. 154—46)

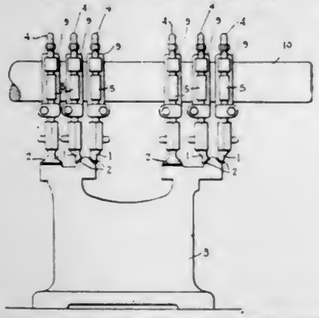


12. A laminated structure comprising an internal lamination of resilient cushioning material consisting of a multiplicity of filmy fibrous layers loosely integrated together and having thermoplastic material distributed interiorly therein, two protective laminations arranged on opposite sides of said internal lamination and adhesively secured together through the internal lamination along a line enclosing an uncompressed area of the internal lamination, each protective lamination being tough, durable, flexible and water resistant, one protective lamination being formed of relatively rigid supporting foundation board and the other protecting lamination being a latex saturated sheet of material.

PATENTS

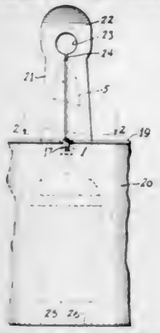
GRANTED DECEMBER 6, 1938

2,138,811
SURFACE HARDENING LATHE BED
Philber A. Abe, Sidney, Ohio, assignor to The Monarch Machine Tool Company, Sidney, Ohio, a corporation of Ohio
Application July 29, 1936, Serial No. 93,252
1 Claim. (Cl. 148—21)



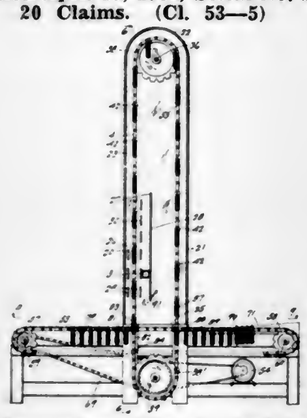
In a process of producing hardened beveled elongated bed ways in machine tools, substantially simultaneously flame-heating adjacent areas on opposite sides of the beveled bed way surfaces with substantially equal heating effects in succession along said beveled bed ways, substantially simultaneously cooling said adjacent way areas on said opposite sides of said beveled way surfaces with substantially equal cooling effects in succession along said beveled bed ways immediately after the heating thereof, and localizing the heat applied against each way surface to that surface by preventing the spreading thereof to the opposite way surface, whereby to prevent unequal expansion of said elongated beveled way surfaces with consequent strain and subsequent warping thereof.

2,138,812
SUPPORT FOR PAINT BRUSHES
John Akers and Karl Henning Pearsen, San Francisco, Calif.
Application June 11, 1937, Serial No. 147,686
5 Claims. (Cl. 248—359)



2. A support for a paint brush comprising a stick having an opening therein and a slot extending from the opening, a clamp having a head portion receivable in the opening and a neck portion slidably receivable in the slot, the head and neck portion being formed from a pair of spring arms, said arms being adapted to grip a brush handle, said arms when gripping a brush handle enlarging the neck portion of the clamp for increasing the frictional force exerted by the neck portion on the walls of the slot.

2,138,813
BARBECUE MACHINE
Kenneth E. Bemis, Oakland, Calif.
Application April 19, 1938, Serial No. 202,910
20 Claims. (Cl. 53—5)

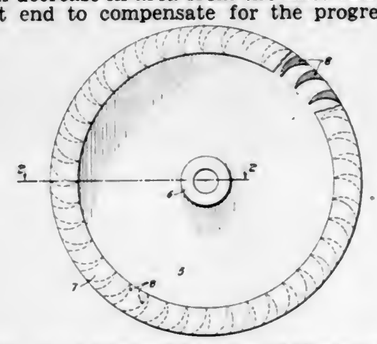


1. A barbecuing machine, in combination, an oven having continuous walls with an opening in the bottom only, for introduction and removal of meat, and having a centrally disposed baffle extending from a plane spaced from the bottom of the oven to an intermediate height within said oven to define a braising zone and to induce circulation entirely within said oven; opposed travel paths for meat on opposite sides of said baffle; transporting means operating along said travel paths and forming defining means therefor, and including carrier means carrying portions of meat in vertical or edgewise position and means collecting individually the juices exuded from each portion of meat to prevent said juices from dripping onto other portions of meat therebelow; heating units arranged in said braising zone on opposite sides of said transporting means therein and extending throughout only a minor portion of one of said travel paths existing in said braising zone and forming an initial braising zone, whereby an intense braising and searing action is initially applied to the meat simultaneously on both sides, the cooking being continued and completed in the heat derived from, but out of direct relation to, said heating units.

2,138,814
BLOWER FAN IMPELLER
Robert E. Bressler, Oregon, Ill., assignor to Kol-Master Corporation, Oregon, Ill., a corporation of Illinois
Application March 15, 1937, Serial No. 130,968
8 Claims. (Cl. 230—127)

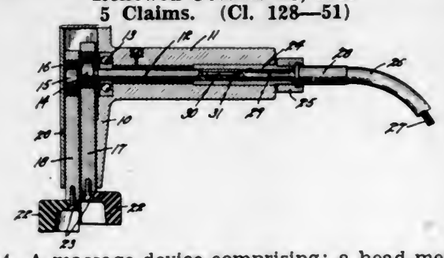
1. A blower fan impeller embodying therein a plurality of blades arranged in spaced relation about the periphery of the impeller, the opposed surfaces of adjacent blades defining air passages,

which decrease in area from the inlet end to the outlet end to compensate for the progressively



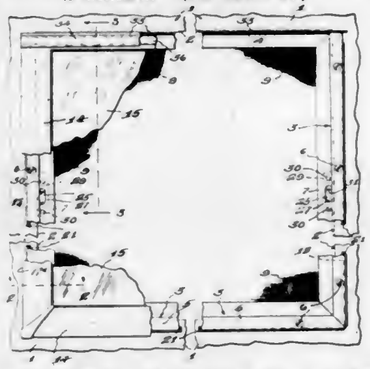
smaller space required because of the increase in velocity of the air passing therethrough.

2,138,815
MASSAGE VIBRATOR
Pearl L. Eberly, Denver, Colo.
Application October 22, 1936, Serial No. 106,965
Renewed October 13, 1938
5 Claims. (Cl. 128—51)



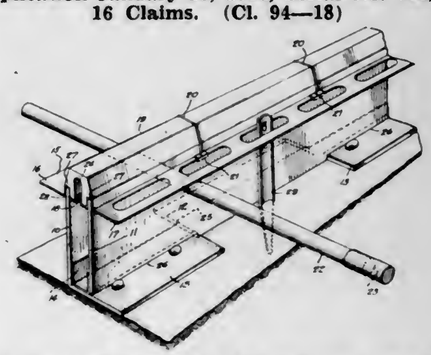
4. A massage device comprising: a head member; a grooved channel extending longitudinally of said head member; a pair of reciprocating members positioned against each other in said channel; an operating shaft extending from said head at right angles to said reciprocating members; and eccentrics formed on said operating shaft at said reciprocating members, the latter having elongated openings for receiving said eccentrics.

2,138,816
WINDOW CONSTRUCTION
Thomas W. Holt and John F. Levan, Elkhart, Ind., assignors to Excel Curtain Company, Elkhart, Ind., a corporation of Indiana
Application December 17, 1936, Serial No. 116,370
2 Claims. (Cl. 189—69)



1. In a window construction, the combination with a window frame enclosing a window opening, of a frame extending into the window opening and formed with a slot, a sash frame hinged to the former frame and having an opening and closing movement, means for opening and closing the sash frame and holding it in open position including a brace pivoted at one end to the sash and extending through said slot, and a cover plate covering the slot and mounted on the first frame to slide thereon and also having a slot alined with the former slot, the brace slidably fitting the latter slot and having one or more notches for coacting with an end wall of the first mentioned slot, the cover plate being operable by the pivotal movement of the brace.

2,138,817
ROAD JOINT
James H. Jacobson, Chicago, Ill., assignor to Cal C. Chambers and Robert S. Bradshaw, St. Louis, Mo., as joint tenants
Application January 10, 1934, Serial No. 706,081
16 Claims. (Cl. 94—18)



1. An expansion joint for concrete roads and the like adapted to close the space between adjacent slab sections and comprising the combination of a stool and a seal capping an edge thereof with means for transmitting the applied load from one section to the next adjoining, the stool consisting of a pair of spaced members each having a wall abutting the ends of their respective slab sections, and each having a plurality of longitudinally spaced feet; the feet of one member being located in the space between the feet of the other member and said feet extending under and forming a bearing for the oppositely disposed member, and a member penetrating said slab sections and extending across the space between said sections and having bearing in each of said walls of the stool.

11. In a joint of the character described for concrete structures, a stiff structural girder, and dowels or anchor elements rigidly and permanently secured thereto and projecting laterally therefrom and adapted to project into and move within an adjacent concrete section, during contraction and expansion of said section.

2,138,818
METHOD OF DETERMINING UNDERGROUND STRUCTURE
John Jay Jakosky, Los Angeles, Calif.
Original application March 23, 1935, Serial No. 12,640. Divided and this application November 20, 1937, Serial No. 175,666
3 Claims. (Cl. 175—182)

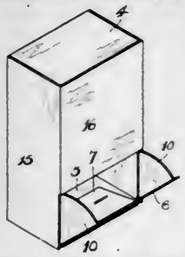
1. In a method of determining discontinuities in the materials below the earth's surface, the steps which comprise laying out more than two angularly spaced lines radiating from a common point on the earth's surface; placing grounded potential electrodes at points on each of said lines equidistant from said common point; plac-

ing grounded current electrodes at points on each of said lines equidistant from said common point but spaced from the locations of the potential electrodes; passing current through the earth between the two current electrodes located on two of said lines to produce a potential difference between the two potential electrodes located on said two lines, and determining the relation



of said current to said potential; and subsequently passing current through the earth between the current electrode located on one of said two lines and the curved electrode located on a third one of said lines to produce a potential difference between the two potential electrodes located on the last-mentioned two lines, and determining the relation of the last-mentioned current to the last-mentioned potential.

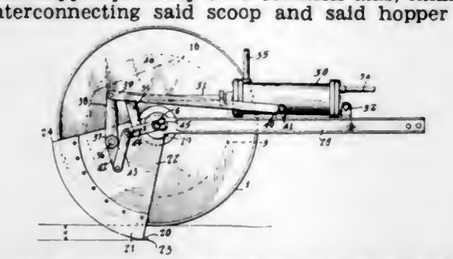
2,138,819
MATCH BOX
Thomas H. Johnson, Wheeling, W. Va.
Application June 10, 1937, Serial No. 147,503
2 Claims. (Cl. 206—31)



1. In a device of the character described, the combination of a rectangular match receptacle having an open top, a dispensing tray having a portion attached to an end of said receptacle, the remaining portion of said tray being formed at a right angle to afford a cover for a portion of the open top of the match receptacle during shipment and storage, and a complemental backless casing for housing said receptacle consisting of side walls of a length substantially equal to the length of the match receptacle and a front face having a length sufficient to cover that portion of the match receptacle left exposed by the dispensing tray, said tray being adapted to be withdrawn outwardly from covering relation to the receptacle to form a match dispensing tray, and arms extending inwardly from said tray and disposed intermediate the side walls of the match receptacle and the side walls of the casing and adapted to limit the outward movement of the tray.

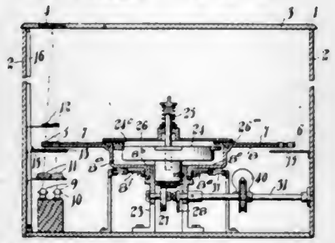
2,138,820
EARTH SCRAPER
Norman R. Post and Charles R. Post, Santa Ana, Calif., assignors to American Tractor Equipment Corp., a corporation of California
Application March 23, 1937, Serial No. 132,523
10 Claims. (Cl. 37—9)

9. In a device of the character described, a scoop, a hopper, means supporting said scoop and said hopper pivotally on a common axis, linkage interconnecting said scoop and said hopper to



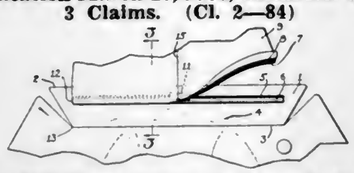
move one upon movement of the other and to move one of them through a greater arc of rotation than the other, and means for operating said linkage.

2,138,821
GAME APPARATUS
Charles P. Potter, Toronto, Ontario, Canada
Application March 5, 1936, Serial No. 67,335. Renewed May 11, 1938. In Great Britain March 6, 1935
10 Claims. (Cl. 88—27)



1. In game apparatus the combination of a projection screen; a support located beneath the screen; a plurality of indicia carrying members on said support, the screen and support being movable relative to one another in substantially parallel planes for varying the positions of the indicia relative to the screen; optical projecting apparatus including a source of illumination and lenses arranged in suitable positions so that images of all the indicia may be projected upon the screen without changing the position of the support and screen relative to one another; and manually operable means initially permitting the simultaneous display of images of a given number of the indicia and preventing the display of, at least, a similar number of the other indicia, the said means being operable to substitute on the screen an initially undisplayed image for any one of the initially displayed images without changing the relative position of the screen and support.

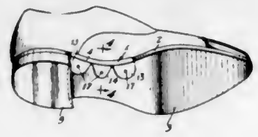
2,138,822
WEARING APPAREL
Esther F. Smith and Harry H. Smith, Brookline, Mass.
Application March 17, 1936, Serial No. 69,274
3 Claims. (Cl. 2—84)



1. In wearing apparel of the character described, in combination, a collar possessing a

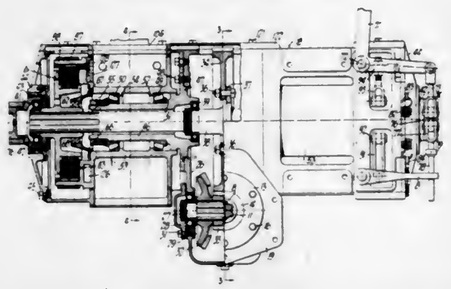
spring and adapted to be turned up, a hood, and a separable slide fastener, one half of which is secured to the under side of the collar and the other half of which is secured to the inner side of the hood, so that the separable slide fastener when assembled lies between overlapping thicknesses of the cloth of the collar and of the cloth of the hood.

2,138,823
FLEXIBLE ARCH SUPPORT
Theodore Werkman, Los Angeles, Calif.
Application May 8, 1937, Serial No. 141,452
2 Claims. (Cl. 36—76)



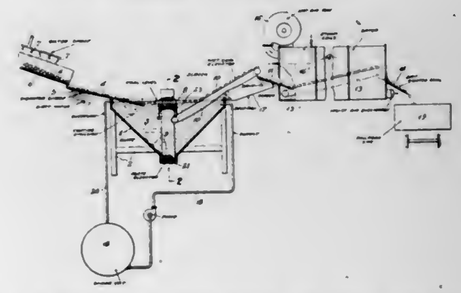
1. A flexible arch support to be applied to the edge of the sole of a boot or shoe, said arch support consisting of a single rigid plate having a web confined in extent to the shank of the shoe, and on one side of the shoe only, conforming approximately to the shape of the edge of the sole at the shank and just forward of the heel of the shoe, said plate having an upper flange for engaging over the upper face of the sole, and having a lower flange to extend under the sole, said flanges having gaps formed therein extending through the same from the said web and enabling the web to flex and adapt itself to the shape of the sole edge.

2,138,824
HOIST
Willis H. Yount, Oakland, Calif., assignor to American Tractor Equipment Corporation, a corporation of California
Application April 12, 1937, Serial No. 136,303
2 Claims. (Cl. 254—185)



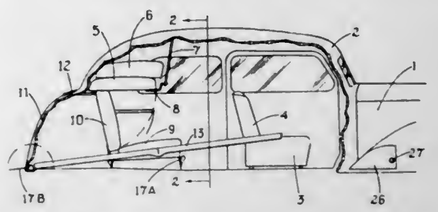
2. In a hoist, a member flanged for attachment to a support, said member including opposite spaced walls, a shaft extending through said walls, bearings in said walls for said shaft, a gear on said shaft between said walls, a quill extending from each wall away from said gear and coaxial with said shaft, a drum coaxial with each quill, bearing means supporting each drum for rotation about a quill, said shaft end extending beyond each drum, a clutch element carried by each drum coaxially with said shaft, a clutch element, carried coaxially by each shaft end and cooperating with a drum clutch element, an extension on each of said walls, bearings in each extension for said shaft, and means carried by said extension for engaging and disengaging said clutch elements.

2,138,825
METHOD OF SIMULTANEOUSLY WASHING AND COATING COAL
Samuel W. Allen, Hudson, Ohio
Application May 19, 1937, Serial No. 143,618
5 Claims. (Cl. 209—173)



1. A method of separating the pure coal content of unpurified coal from the impure content thereof and of simultaneously producing an improved solid carbonaceous fuel which will be substantially impervious to atmospheric deterioration, will be cleanly to handle and dustless, and will have burning characteristics which substantially eliminate the creation of smoke and soot when the fuel is freshly fired, consisting in introducing the unpurified coal into a bath of an evaporable carrier having suspended therein a mixture of titanium dioxide, a glue-like binder, and materials for dispersing the titanium dioxide and the binder in the bath, the latter and the said materials suspended therein being formed into a fluid mass having a specific gravity higher than that of the pure coal and lower than that of the impurities, then removing from the bath the segregated pure coal, and drying the latter.

2,138,826
EMERGENCY CONVEYANCE
Bernard E. Arntzen, Chicago, Ill.
Application February 3, 1936, Serial No. 62,022
2 Claims. (Cl. 296—19)



1. An emergency conveyance comprising an automotive vehicle having a closed body, a front seat therein for a plurality of riders, a back seat therein for a plurality of riders, the seat-portion and the back portion of the back seat for one of the riders being separate from the remaining portion of the back seat, means for suspending the seat-portion and the back portion of the back seat for one of the riders in the upper part of the body, so as to have an unobstructed open space between them and the bottom of said body for the reception of a stretcher, and a door in the

back of said body through which the stretcher is inserted, whereby a passenger automobile is easily and quickly converted in the field into an emergency ambulance and back into a passenger automobile.

2,138,827

METHOD OF BREAKING DOWN AND UTILIZING THE CONSTITUENTS OF POLYHALITE

Reginald K. Bailey, Lawrence, Kans.

No Drawing. Application August 3, 1937, Serial No. 157,165

5 Claims. (Cl. 71—59)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The method of rendering the potassium sulphate constituent of polyhalite readily separable from the calcium sulphate constituent thereof which comprises elevating the temperature of the polyhalite and driving out the major part of the water of crystallization thereof in intimate contact with sodium nitrate whereby molten sodium nitrate penetrates the pore space produced within the polyhalite by the loss of the water of crystallization thereof to render the potassium sulphate soluble in water along with the sodium nitrate.

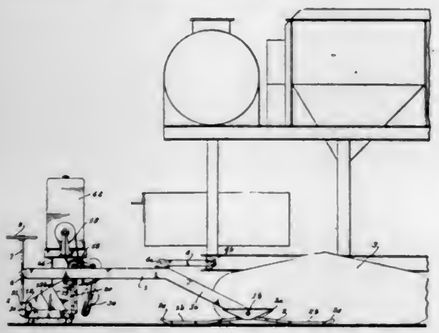
2,138,828

MACHINE FOR AND PROCESS OF LAYING ROADS

Harry H. Barber, Aurora, Ill., assignor to Barber-Greene Company, Aurora, Ill., a corporation of Illinois

Application April 10, 1936, Serial No. 73,666

27 Claims. (Cl. 94—45)



1. In a road finishing machine, a screed constituting the load sustaining member of said machine and adapted to rest upon the pavement, arms pivoted to said screed, shoes adapted for travelling upon the road pivoted to said arms, and means for adjusting said arms relative to said screed.

2,138,829

MANUFACTURE OF BONDED ABRASIVE ARTICLES

Raymond C. Benner and Peter de Leeuw, Niagara Falls, N. Y., assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

No Drawing. Application July 9, 1936, Serial No. 89,845

5 Claims. (Cl. 51—280)

1. A bonded abrasive article comprising aluminous abrasive grain and a binder comprising the hydrothermal reaction products of CaO, SiO_2 and Al_2O_3.

2,138,830

PRODUCTION OF ABRASIVE ARTICLES

Raymond C. Benner and Peter de Leeuw, Niagara Falls, N. Y., assignors, by mesne assignments to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

No Drawing. Application July 27, 1936, Serial No. 92,924

4 Claims. (Cl. 51—280)

1. A bonded abrasive article comprising abrasive grain and the hydrothermal reaction product of CaO, SiO_2 and Al_2O_3.

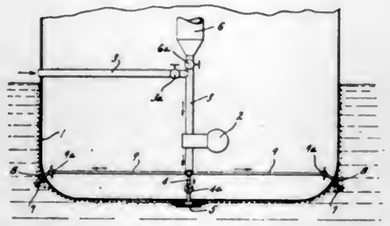
2,138,831

MEANS AND METHOD FOR PROTECTION FROM MARINE PARASITES

Frederick G. Brammer, North Olmstead, Ohio

Application January 29, 1937, Serial No. 123,012

7 Claims. (Cl. 114—222)



1. The method of protecting an immersed body surface from marine parasites, comprising releasing a gas from such distributed locations along the lower extremity of said surface whereby to produce bubbles caused to wipe substantially the entirety of said surface in ascending, while said body and water are generally without substantial relative motion.

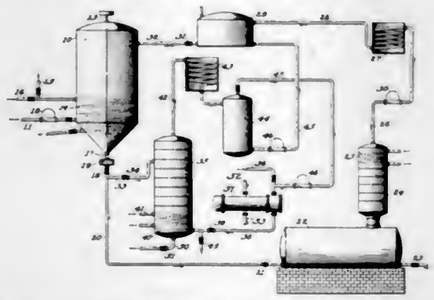
2,138,832

EXTRACTION OF OILS WITH IMPROVED SOLVENTS

Arthur B. Brown, Hammond, Ind., and Fred F. Diwoky, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application October 15, 1932, Serial No. 637,978

7 Claims. (Cl. 196—13)



5. In a process for producing lubricating oil having a high viscosity index from a mineral oil containing naphthenic and paraffinic constituents, the steps comprising extracting the oil with a mixture of solvents comprising a halogenated aliphatic ether containing not more than eight carbon atoms and an ether having the following general formula: R—O—R_1 wherein R and R_1 represent alkyl or phenyl groups.

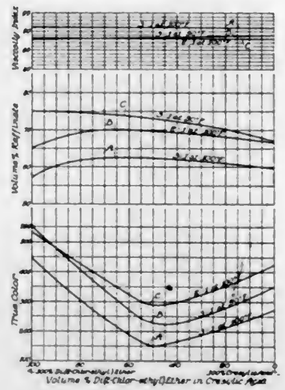
2,138,833

PROCESS FOR EXTRACTING OILS

Arthur B. Brown, Hammond, Ind., and Fred F. Diwoky, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application April 2, 1934, Serial No. 718,586

8 Claims. (Cl. 196—13)



1. In a process for producing lubricating oil having a high viscosity index and a low true color from a mineral oil containing naphthenic and paraffinic constituents, the steps comprising extracting the mineral oil with a mixed solvent which contains di(2-chlorethyl) ether and a substantial proportion of a solvent selected from the group consisting of cresylic acid, nitrobenzene, phenol, aniline, chlorophenol and chloroaniline, to form two liquid layers, separating said layers and removing the solvents therefrom.

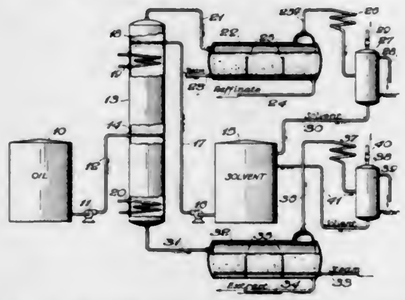
2,138,834

PROCESS OF TREATING OILS

Arthur B. Brown, Hammond, Ind., and Fred F. Diwoky, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Original application April 18, 1932, Serial No. 605,814. Divided and this application March 26, 1935, Serial No. 13,036

4 Claims. (Cl. 196—13)



3. In a process for producing lubricating oil having a high viscosity index and a low true color from a mineral oil containing naphthenic and paraffinic constituents, the steps comprising commingling the oil with a solvent comprising an admixture of 25 to 39% ortho-chlorophenol, 70–45% para-chlorophenol and 5–16% phenol, cooling the admixture of oil and solvent to effect the formation of an extract phase and a raffinate phase, separating said phases from each other and separating the admixture of solvents from each phase.

2,138,835

LUBRICANT

John G. Butz, Philadelphia, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application June 1, 1936, Serial No. 82,932

12 Claims. (Cl. 87—9)

1. A lubricant comprising a hydrocarbon oil and a phosphine oxide.

2,138,836

MATERIAL FOR TRANSFER PROCESSES

Paul V. Brower, Maywood, Ill., assignor to Ditto, Incorporated, a corporation of West Virginia

No Drawing. Application January 24, 1935, Serial No. 3,288

14 Claims. (Cl. 91—68)

9. The method of forming a carbon paper for use in a transfer process and having a color layer of initially porous and unglazed character comprising forming a color paste of an oil-soluble salt of a basic dye as its principal color constituent, a wax, a high molecular weight fatty alcohol and a readily volatile solvent and applying the paste to a backing.

2,138,837

ELECTROMAGNETIC FRICTION DEVICE

Addi Benjamin Cadman, Beloit, Wis.

Application July 6, 1936, Serial No. 89,094

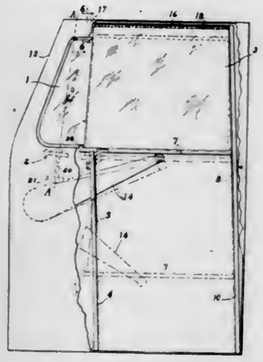
Renewed February 28, 1938

16 Claims. (Cl. 188—138)



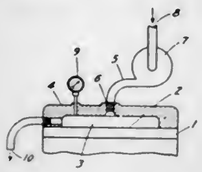
1. An electromagnetic friction device having a magnet and an armature therefor with cooperating flat annular faces, said armature comprising a plurality of segments arranged circumferentially in end-to-end relation, a flat ring rigidly attached to the back of each segment and having an enlarged portion with a hole therethrough opposite one of said segments, a bracket through the medium of which said armature is supported for axial movement, said bracket lying against said ring and having a projection extending through said hole and a weld formed on said projection rigidly uniting said bracket, said ring and said last mentioned segment at a single point of attachment whereby to permit independent flexure of said segment and said ring relative to said bracket.

2,138,838
WINDOW ARRANGEMENT
Raymond L. Carr, Boston, Mass.
Application January 14, 1936, Serial No. 59,113
15 Claims. (Cl. 296—44)



1. In a vehicle body, a transparent panel swingable about an up-and-down axis, a second panel movable in its own plane; said panels having adjoining transparent edges, said panels being movable into juxtaposition with their transparent edges contacting to afford a substantially continuous transparent closure, and means preventing movement of the second panel into the position wherein it may contact the first panel except when the first panel has already been swung to a position to be contacted by the second panel.

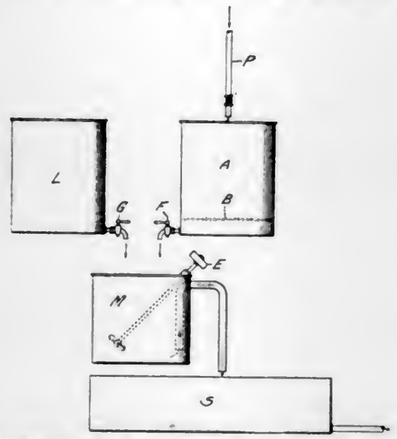
2,138,839
METHOD OF DESTROYING BACTERIA IN LIQUIDS
Leslie A. Chambers, Brookline, Mass., assignor to William H. Ashton, Edgemont, Pa.
Application April 30, 1934, Serial No. 723,027
2 Claims. (Cl. 99—217)



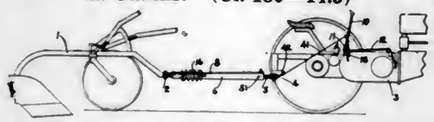
1. A method of treating milk without destroying the cream line for the destruction of bacteria which comprises causing the milk to flow across a vibrating diaphragm providing audible compressional vibrations and maintaining the milk under a static pressure of approximately sixty pounds per square inch or more in its flow sufficient to inhibit a disruption of the liquid surface of the milk.

2,138,840
PREPARATION OF ALUM SOLUTION FOR PAPER SIZING
Judson A. De Cew, Mt. Vernon, N. Y.
Application July 12, 1934, Serial No. 734,712
1 Claim. (Cl. 92—21)

A process of making a true solution of sulphate of alumina for paper sizing having a pH of from between 3.8 and 4.2 which comprises the addition to an aqueous solution of commercial sulphate of alumina of an aqueous solution of a member of the group consisting of lime, magnesia, soda, the carbonates thereof, and the acetates thereof.



2,138,841
TRACTOR STOP HITCH
Gerrit Den Besten, Corsica, S. Dak., assignor of one-fourth to Liverance & Van Antwerp, Grand Rapids, Mich., a copartnership composed of Frank E. Liverance, Jr., and Harold O. Van Antwerp
Application June 12, 1935, Serial No. 26,230
22 Claims. (Cl. 180—14.5)



13. The combination with a tractor having a clutch operating lever movable to clutch engaging and clutch disengaging positions, and a drawn implement, of a hitch connecting the tractor and the implement comprising, members extensible relative to each other under abnormal load, and a clutch disengaging mechanism associated with said hitch structure and connected with said clutch lever, said clutch disengaging mechanism comprising means acting to move said clutch operating lever to clutch disengaging position during the first part of extension of said hitch and means acting to automatically release said clutch operating lever at a predetermined point of extension of said hitch to enable said clutch operating lever to be moved to clutch engaging position.

2,138,842
POLE SETTING DEVICE
Mitchell N. Drew, Quincy, Fla.
Application March 27, 1937, Serial No. 133,479
3 Claims. (Cl. 214—3)

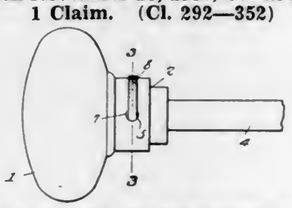
3. In a vehicle, a pair of standards mounted at opposite sides of said vehicle terminating at a substantially high level above the ground, a shaft bridging said standards adjacent to the upper ends and supported thereby, a roller, said roller being composed of two frusto-conical halves with their smaller faces confronting, said halves being independently slidably mounted upon said shaft, the length of the latter between said standards being such as to provide a substantial range of lateral shift for said roller, and

means for independently fixing said halves in longitudinal position of adjustment on said shaft,



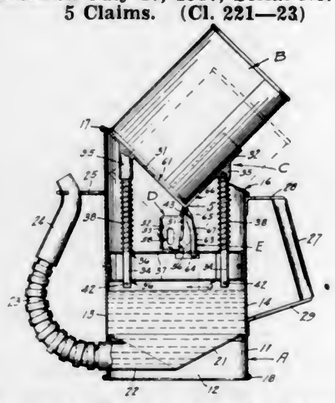
whereby the width of the roller as well as its longitudinal position on the shaft can be varied.

2,138,843
SPRING LOCK BOLT
Noël Dupuis, Seattle, Wash.
Application November 16, 1937, Serial No. 174,873
1 Claim. (Cl. 292—352)



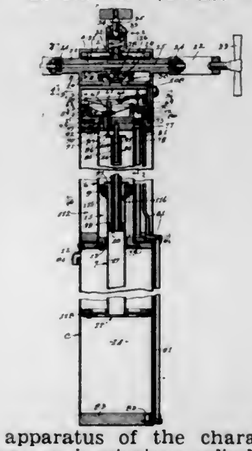
In a device of the class described, a door knob including a shank having a longitudinal bore and provided with a transverse guideway, a shaft inserted into the bore and having a transverse seat aligned with the guideway, a locking pin mounted in the guideway and in the seat and longitudinally slidable therein, and a curved spring secured at one end to the outer end of the pin and extended far enough around the shank to hold the pin in place, the spring having an outwardly projecting bend located close to the pin and enhancing the resiliency of the spring, the bend being capable of being closed together to such a degree as to enhance the grip of the spring on the shank.

2,138,844
LIQUID DISPENSER
George C. Erb, Forest Hills West, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application July 17, 1937, Serial No. 154,273
5 Claims. (Cl. 221—23)



1. A liquid dispensing device, comprising in combination a dispenser adapted to receive a sealed receptacle containing a liquid to be dispensed and also adapted to collect and hold the liquid from said receptacle, spaced receptacle opening and mutilating elements located within said dispenser, and a cradle also in said dispenser for supporting the receptacle to be opened, said cradle being vertically movable relative to said opening and mutilating elements for impaling the receptacle on the elements in order to produce a pouring opening in a wall of the receptacle through which its contents may flow into the dispenser and to also produce a mutilation of the receptacle so that it will be rendered unfit for subsequent use as a container of liquids.

2,138,845
COMBINED RESUSCITATOR AND INHALATOR
Clarence N. Erickson, Glendale, Calif.
Application March 15, 1935, Serial No. 11,301
12 Claims. (Cl. 128—29)

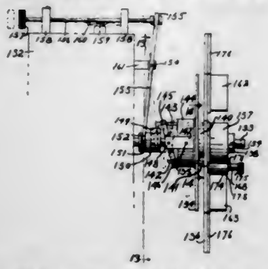


1. An apparatus of the character described comprising: an inspiratory cylinder and expiratory cylinder, pistons in said cylinders connected for simultaneous operation, a mask connected with said cylinders, means for constantly supplying a gas under pressure for application to said expiratory piston whereby said pistons are urged to depressed positions in their cylinders, and manually operable means for regulating the supply of gas under pressure to said inspiratory cylinder and to said mask, including permanent connections between said cylinders and said mask, and valve means operable whereby the apparatus may be selectively used as a resuscitator while said pistons operate to provide artificial inspiration and expiration, respectively, and as an inhalator while said pistons are stationary for supplying gas to a living patient.

2,138,846
COLOR MOTION PICTURE PRODUCING APPARATUS
Harry K. Fairall, Hollywood, Calif., assignor to Fairall Color Corporation, a corporation of California
Application July 29, 1932, Serial No. 625,945
3 Claims. (Cl. 88—16.4)

1. Color motion picture producing apparatus comprising a projector, means in said projector for projecting moving pictures at a minimum speed of approximately 48 images per second, a shutter drive shaft, a permanent shutter secured to said shaft, a color screen shutter rotatably mounted on said shaft, means to drive said color screen shutter from said permanent shutter, means to form a drag on said color screen shutter, and manually operable means to change the

drive relation between said shutters under the



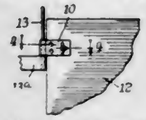
influence of said drag means while the projector is in operation.

2,138,847

HINGE FOR LOOSE-LEAF CATALOGUES OR THE LIKE

Otto Felix, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York

Application May 27, 1935, Serial No. 23,540
3 Claims. (Cl. 40—102)



1. In a hinge for loose-leaf catalogues or the like, a substantially U-shaped sheet metal member including a pair of elongated legs adapted to be secured in parallel relationship and extending longitudinally inwardly of the edge of and upon the opposite faces of a catalogue leaf or the like, the outer ends of said legs being connected by a yoke arranged to extend beyond and with its axis parallel with the edge of the leaf, one of said legs having an aperture centrally therein near its end remote from said yoke and the other leg having an integral prong extending toward said one leg and adapted to be forced through the leaf substantially inwardly from the edge thereof into said aperture as an incident to movement of said legs toward said parallel relation, said prong being of a length to extend substantially beyond the plane of the outer face of said one leg and being bendable to overlie said face for clamping the legs fixedly together with the leaf gripped therebetween, said one leg having a pair of spaced recesses formed one on either side of the longitudinal center line of the hinge in that part of said one leg between said prong and said yoke which in the assembled relation of the clip with a leaf coacts with the extreme marginal portion of the leaf, and a pair of complementary nodes formed on the opposite leg and adapted to force parts of the leaf into said recesses, whereby said prong will prevent separation of the hinge from the leaf and said nodes will coact triangularly with said prong to prevent pivotal movement of the hinge thereabout.

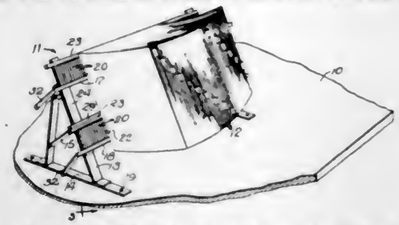
2,138,848

UPRIGHT LOOSE-LEAF CATALOGUE OR FILE

Hurley D. Ralston, Oak Park, and Otto Felix, Chicago, Ill., assignors to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York

Application September 22, 1937, Serial No. 165,004
28 Claims. (Cl. 40—102)

1. In combination with a worktable of substantial depth, an upright loose-leaf catalogue or file having a plurality of spaced upright pintles arranged in uniform order and supporting in forwardly projecting cantilever fashion a mass of individual leaves swingable about the axes of the respective pintles in the manner of the pages of a book, said file being mounted back from the front edge of said table so that an ample working area will be had in front of the file within which



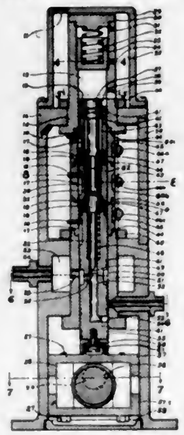
one hand of a person sitting up to the front of the table may be occupied upon loose papers or the like while the other hand is used to work the leaves, and means for securing the file fixedly in position with respect to the table.

2,138,849

FUEL INJECTION PUMP

Ernest C. Gambrell, Wichita Falls, Tex.

Application June 3, 1936, Serial No. 83,249
35 Claims. (Cl. 123—139)



1. A fuel injection pump for internal combustion engines comprising a cylinder having a fuel inlet and a fuel outlet, a piston in the cylinder having a fuel accumulation chamber adapted to register with the said inlet and outlet, a plunger within the piston adapted to control the admission of fuel into the fuel accumulation chamber, a spring normally holding the plunger in open position, the cylinder having a pressure accumulation chamber in which both the piston and plunger operate and a fluid containing chamber, there being openings in the side of the cylinder to establish communication between the pressure accumulation and the fluid containing chambers, one of said openings being controllable by the piston, and a spring actuated member for closing the other opening and operable by the pressure built up by the advance of the piston to effect a reaction on the plunger to move it against the action of the spring associated therewith.

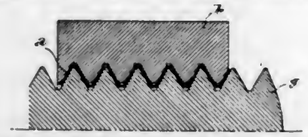
2,138,850

LOCKING MEANS FOR INTERTHREADED ELEMENTS

Désiré Théodule Arsène Garnier, Hautvillers, France

Application December 14, 1935, Serial No. 54,436
In France December 19, 1934
5 Claims. (Cl. 151—14)

1. In a device for uniting two mutually threaded members adapted to engage with, and having a certain degree of play between each other, such as a nut and a bolt, an elastic bushing the inner and outer walls of which are in the form of threads having the same pitch as said threaded members, which is thin and deformable and



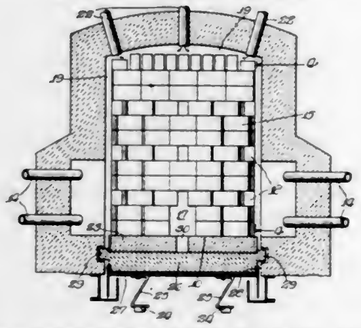
interposed between the same in order to increase the frictional resistance between said threaded members by deformation of said elastic bushing member in the course of tightening the contact between the threads and effective to oppose a relative displacement of said threaded members.

2,138,851

TUNNEL KILN

Major E. Gates, Crystal Lake, Ill.

Application April 6, 1936, Serial No. 72,944
5 Claims. (Cl. 25—142)



1. In a tunnel kiln of the character described the combination comprising an annular traveling floor composed of a plurality of floor segments, refractory brick surfacing said floor, metallic supporting members for said floor having webs capable of material deflection inclined toward the axis of said floor, whereby the weight of the load on the floor sets up a component of force directed toward the axis of said floor.

3. The method of creating a counterflow of hot gases toward the entrance end of a tunnel kiln having a rotating annular floor and adapted to burn brick, block and the like which is characterized by arranging the brick or block on the rotating annular floor of the kiln in rows inclined in a direction opposite to that of the travel of the floor through the kiln and directing the flame from the heating burners against the inclined faces of the ware and thereby directing the gases toward the entrance end of the kiln.

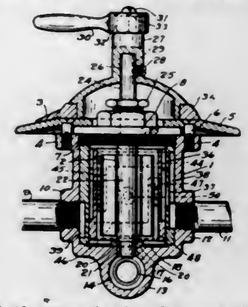
2,138,852

THERMOSTATIC MIXING VALVE

Louis Gitzendanner, Richmond Hill, N. Y.

Application February 13, 1937, Serial No. 125,591
2 Claims. (Cl. 236—12)

1. In a mixing valve, a casing having inlet and outlet connections, a movable sleeve freely mounted in said casing, said sleeve having recesses in the exterior extending over a substantial portion thereof and opening to the mixing chamber through the upper end of the sleeve, a thermostatic element attached to and adapted to rotate said sleeve, said device having openings adapted to register with said recesses to regulate the amounts of fluid entering said valve from the inlet connections, and means adjusting the posi-



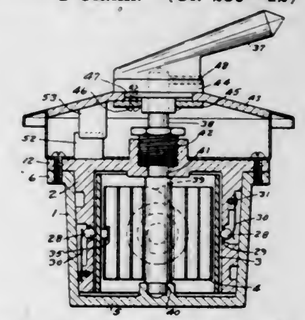
tion of said thermostatic element to control the position of said sleeve to control the fluids entering the interior of said valve to regulate the desired temperature of the mixed fluids.

2,138,853

THERMOSTATIC MIXING VALVE

Louis Gitzendanner, Richmond Hill, N. Y.

Application August 10, 1937, Serial No. 158,284
1 Claim. (Cl. 236—12)



A fluid mixing valve for fluids of different temperatures comprising a receptacle forming a casing and having inlet and outlet connections, an inner stationary member forming a lining for said casing, said inner stationary member characterized in that the outer surface thereof which engages the inner surface of the casing is recessed with a plurality of overlapping passages, with one passage communicating with an inlet connection, and one with an outlet connection, and with orifices at a plurality of points in said recesses providing communicating means between the recesses and interior of the said stationary member, resiliently held balls forming closures for said orifices and projecting therethrough, a floating sleeve separated from said stationary member and having a series of cam surfaces on the outer surface thereof positioned to engage the said balls to open said orifices, and a thermostatic element positioned in the path of the mixed fluids controlling the rotation of said sleeve.

2,138,854

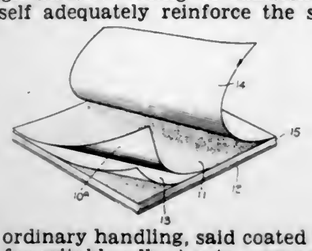
ADHESIVE COATED METALLIC FILM

William Frederick Grupe, Lyndhurst, N. J., assignor to Peerless Roll Leaf Co., Inc., Union City, N. J., a corporation of New York

Application May 14, 1934, Serial No. 725,583
13 Claims. (Cl. 206—71)

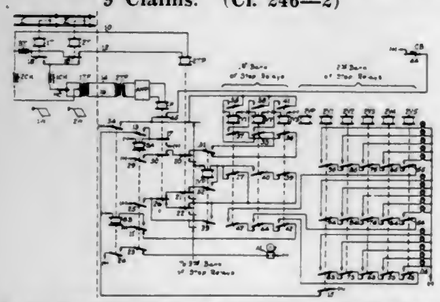
11. A metal-leaf applying book comprising a plurality of metal-leaf sheets, each consisting

solely of a fragile metal film having one face substantially coextensively coated with a hardened and tough adhesive sizing of sufficient strength to in itself adequately reinforce the said metal



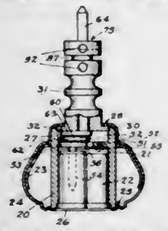
film for ordinary handling, said coated face being exposed for suitable adhesion to a supporting surface, and said book further comprising separating-sheets interposed between mutually adjacent metal-leaf sheets.

2,138,855
TRAIN DESCRIBER SYSTEM
William D. Hailes, Brighton, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application October 8, 1936, Serial No. 104,684
9 Claims. (Cl. 246—2)



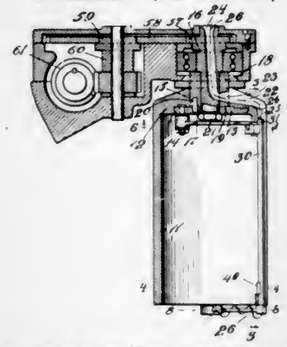
1. In combination, a plurality of indicators at one location selectively operable in response to a train whistle, a plurality of track circuits at another location, line wires interconnecting said locations, and a plurality of means controlled over said line wires by said track circuits respectively and each responsive to a series of sound waves emitted by a train whistle while its track circuit is occupied for jointly selecting and operating one of said indicators.

2,138,856
LOCK
Franklin H. Harp, Seattle, Wash., assignor to Frank E. Best, Inc., Seattle, Wash., a corporation of Washington
Application April 17, 1933, Serial No. 666,520
2 Claims. (Cl. 70—216)



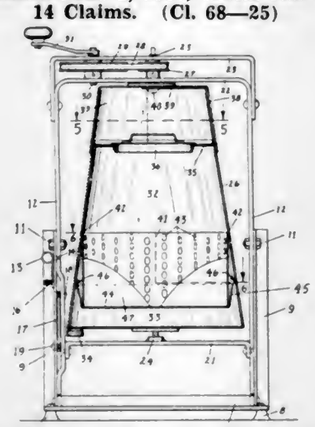
1. In a lock of the class described, a knob mounted for rotation, a primary lock mechanism in said knob, a rotatable key plug in said primary lock mechanism, a throw pin on the end of said key plug movable in a circular path by rotation of the key plug and normally positioned substantially coaxially of said knob, a lock spindle positioned in substantially axial alignment with said knob and said throw pin, and throw means connecting said throw pin with said lock spindle, said throw means having a pivotal connection with said throw pin whereby said knob may be turned without turning said lock spindle.

2,138,857
FLIER
Thomas Harris, Providence, R. I., assignor to Harris Textile Machinery Corporation, a corporation of Rhode Island
Application May 13, 1937, Serial No. 142,355
9 Claims. (Cl. 118—57)



1. A flier for a spinning machine, comprising a hollow cylindrical body having side and end walls with an opening at substantially the juncture of these walls for the work to pass through, said end wall having a recess in its outer surface leading radially inwardly from said opening for the reception of the work as it passes into said opening.

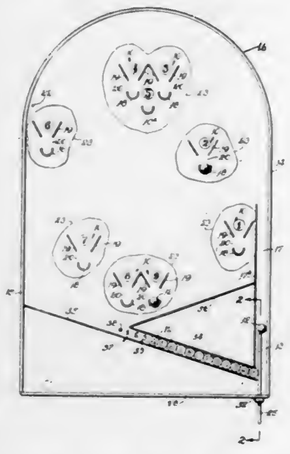
2,138,858
CLEANING AND EXTRACTING MACHINE
Alfred Hjelm, Plentywood, Mont., assignor of one-half to Andrew Hansen, Wolf Point, Mont.
Application June 1, 1937, Serial No. 145,709
14 Claims. (Cl. 68—25)



1. In a cleaning and extracting machine, a supporting frame, a liquid holding receptacle mounted for rotation in the frame and adjustable whereby it may be operated with its axis of rotation disposed in either vertical or inclined positions, and a container in the lower portion of the

receptacle but spaced from the bottom thereof to support and tumble articles to be cleaned, said container having perforated side walls and fixed to the receptacle for rotation therewith but spaced therefrom at their lower portions.

2,138,859
AMUSEMENT DEVICE
Honore C. Hubbard and Earl G. Davis, Rockford, Ill.
Application April 27, 1934, Serial No. 722,628
2 Claims. (Cl. 273—121)

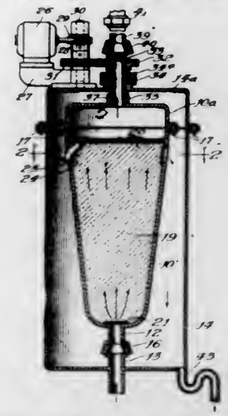


1. A game board having, in combination, an inclined playing surface, a ball guideway along one side thereof communicating with the upper part of the surface, an elongated multiple ball storage chute on the same side of said guideway as said surface and communicating at opposite ends with the lower portions of said guideway and playing surface and extending laterally along the latter at an angle such that balls received from said surface will gravitate automatically through said chute into said guideway, said chute retaining balls in a single row whereby to avoid blocking the passage to said guideway, and inclined guide walls upstanding from said surface and converging laterally of the surface to the mouth of said chute.

2,138,860
PROCESS FOR DISPERSING PIGMENTS
Robert Tyler Hucks, South River, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 14, 1936, Serial No. 63,981
5 Claims. (Cl. 134—58)

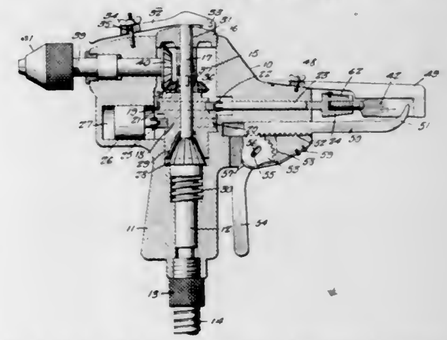
1. A process for manufacturing a pigment intermediate for use in coating compositions which comprises kneading a mass consisting essentially of a resin, a substantial amount of solvent to form a relatively thin resinous vehicle, and pigment in amount to produce a stiff plastic mass of consistency which permits efficient dispersion of the pigment in the mass through kneading action, continuing the kneading until the pigment is uniformly dispersed throughout the resinous vehicle, adding additional resin solution to facilitate removal of the charge and thereby obtain the pigment intermediate in the form of a freely flowing paste.

2,138,861
METHOD AND APPARATUS FOR TREATING VAPORS OR GASES
Julius Hyman, Chicago, Ill., assignor to Velsicol Corporation, Chicago, Ill., a corporation of Illinois
Application May 25, 1936, Serial No. 81,643
7 Claims. (Cl. 23—288)



1. In a device of the character described, in combination, a rotatable chambered body containing a body of granular contact material through which vapors or gases pass, said chambered body having inlet and outlet openings at opposite ends thereof, a receptacle completely enveloping said body and having a fluid discharge outlet, conduits connected to the respective inlet and outlet openings of the chambered body and extending through and exteriorly of said enveloping receptacle, the interior of the chamber of said body containing said contact material being of generally conical form, tapering continuously from one end to the other and means for rotating said chambered body, the wall of said body having an opening, remote from said inlet, adjacent the point of greatest diameter along the axis, through which the liquid product of physical or chemical conversion is discharged into the enveloping receptacle by centrifugal force created by the rotation of said chambered body.

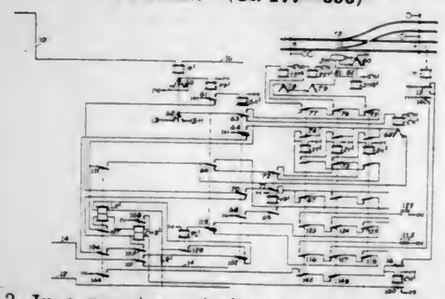
2,138,862
UTILITY TOOL
Walter E. Johnston, Vicksburg, Miss.
Application December 22, 1936, Serial No. 117,233
3 Claims. (Cl. 74—44)



1. A tool of the character described comprising a housing body having an external hand grip, a power spindle rotatably and slidably fitting said

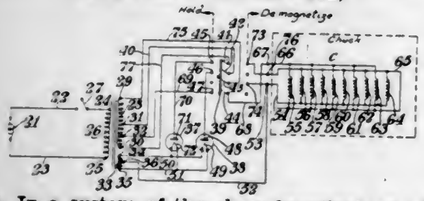
hand grip, driven members in said body and extended oppositely thereto, releasable connections between the spindle and said members, and a control lever exteriorly of the body and active upon the driving spindle for alternately releasing the connections between said spindle and the driven members.

2,138,863
CENTRALIZED TRAFFIC CONTROLLING SYSTEM
Thomas J. Judge, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application May 25, 1932, Serial No. 613,353
25 Claims. (Cl. 177—353)



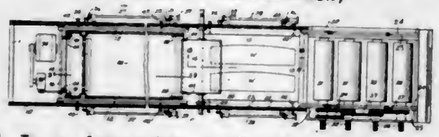
2. In a remote control system; a control line circuit having series of time spaced impulses impressed thereon; a step-by-step means operable through cycles of operation for each series of impulses for preparing local channel circuits, two for each step; means for causing said step-by-step means to take one step for each time space between the successive impulses of a series; an electro responsive device for each of said channel circuits; an indication line circuit; means for storing the condition of said indication line circuit during the time space on said control line circuit for each step until the end of the impulse on said control line circuit for that step; and means for energizing said channel circuits for each step during the impulse on said control line circuit for that step, one of said two channel circuits being energized in accordance with the stored condition of said indication line circuit, and the other of said two channel circuits being energized in accordance with the existing condition of said indication line circuit for that part of the step.

2,138,864
ELECTROMAGNETIC DEVICE AND CIRCUITS FOR OPERATING THE SAME
Samuel Karasick, Mount Vernon, N. Y.
Application September 26, 1933, Serial No. 691,048
12 Claims. (Cl. 175—181)



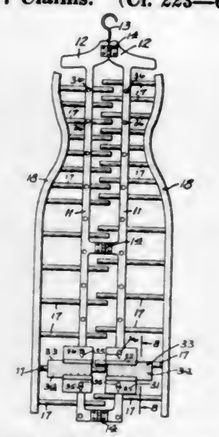
5. In a system of the class described, an electromagnetic chuck having a plurality of core extensions, means for producing a high intensity unidirectional flux in the said core extensions and in a work piece held thereby, and selectively operable means for producing at will in said core extensions and said piece, an alternating flux of at least the same effective intensity as said unidirectional flux and at frequencies in the commercial power range.

2,138,865
DECORATING APPARATUS
Orville Doering King, Dayton, Ohio, assignor to Oxford Varnish Corporation, Detroit, Mich., a corporation of Michigan
Application June 24, 1937, Serial No. 150,059
8 Claims. (Cl. 101—252)



1. In a decorating mechanism, a pattern, a support adapted to support a workpiece having a surface deviating longitudinally from a common plane, a printing roll, a guide adapted to guide and support said roll while it is rolled across the work, said guide deviating from a common plane substantially the same as the work.

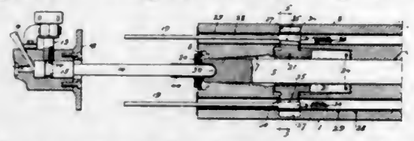
2,138,866
BLOCKING FORM
Bernard L. Lafargue, San Rafael, Calif.
Application September 15, 1936, Serial No. 100,882
7 Claims. (Cl. 223—69)



1. In a blocking form for garments, the combination with a frame, and spaced, flexible contour members arranged in substantially the same plane, of a series of spaced pegs extended outwardly from said frame to each contour member, each of said pegs being frictionally held in place on said frame and having its inner end free for application of manual outward adjusting force and having its outer end connected to the respective contour members for holding the latter in adjusted shape.

2,138,867
APPARATUS FOR MAKING HOLLOW PRESSED AXLES
Edward Lanto, New York, N. Y.
Application July 18, 1936, Serial No. 91,341
14 Claims. (Cl. 78—9)

1. An apparatus for pressing hollow axles, including a two part die of separable sections having a cavity to receive therein a blank from which an axle is to be formed, a punch adapted to be forced axially into the blank held in said die and to force the metal of the blank outwardly to expand it in the die cavity, and retractable members within the die pivoted intermediate their ends to swing outwardly from the die cavity and having cavity portions against which the blank is forced by the punch, conforming with the shape of the exterior of the finished axle, said retractable members co-operating with the blank to control the expansion of a portion thereof while the punch is advancing therein, for the purpose of resisting deflection of the punch.

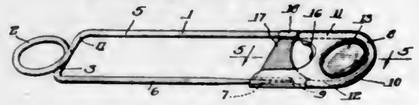


10. An apparatus for pressing hollow axles, including a two part die of separable sections having a cavity to receive a blank from which an axle is to be formed, a punch adapted to be forced axially into the blank held in said die and to force the metal of the blank outwardly to expand it in the die cavity, a cap on the advancing end of said punch having a cylindrical sleeve extending partly along the punch, said sleeve so formed as to be adapted to be detached from said cap near the end of the blank by friction developed between the punch and the blank whereby said sleeve will remain in the blank adjacent the end thereof while the punch advances therein, to form a bearing for the punch while the latter is completing its stroke in the blank.

2,138,868
PROCESS OF LOWERING THE POUR POINT OF LUBRICATING OIL
Leo Liberthson, New York, N. Y., assignor to L. Sonneborn Sons, Inc., a corporation of Delaware
No Drawing. Application October 2, 1934, Serial No. 746,513
5 Claims. (Cl. 196—144)

1. A lubricant consisting of a waxy petroleum lubricating oil having normally a high pour point caused by wax dissolved therein, and a waxy petroleum lubricating oil irradiated with ultra violet rays of wave length predominantly less than 2800 Angstrom units in amount of approximately 5% and potency sufficient to reduce said normally high pour point of said lubricating oil.

2,138,869
SAFETYPIN
William C. Lockwood, Chicago, Ill.
Application February 10, 1936, Serial No. 63,102
13 Claims. (Cl. 24—158)

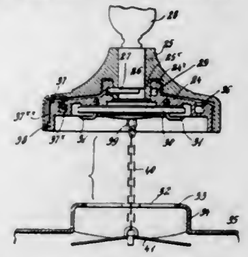


1. A safety pin having two parallel legs, a coiled spring at one end of the pin integrally formed with said legs, a head portion at the other end of the pin and formed by reversely bending one of said legs to form a reversely extending, parallel portion normally registering with the other leg, an open faced channel disposed in the head with its open face directed outwardly, for receiving one leg of the pin and maintaining the legs substantially parallel, a clasp member on the head and slidable longitudinally along both of said parallel, spaced portions of the head in juxtaposition to the channel portion in the head and adapted to be moved toward and away from said channel member so as to form a closure therefor.

2,138,870
METHOD OF MAKING VITRIFIED PRODUCTS
Donald E. Lower, Aspers, Pa.
No Drawing. Application August 29, 1936, Serial No. 98,596
7 Claims. (Cl. 25—156)

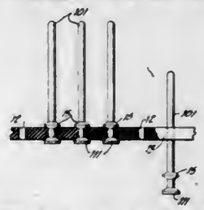
1. The method of making vitrified granules comprising dry grinding a blend of selected clays having selected color characteristics, adding sufficient water mixed with phosphoric acid to said ground product to produce a plastic mass, pugging the mass to effect a complete commingling of the ingredients thereof, extruding the mixed material, drying the same and subsequently firing the dried extruded material to effect vitrification, and then crushing the fired material to define granules.

2,138,871
CAP PROTECTOR FOR FUEL TANK OPENINGS
Assad M. Malluk, New York, N. Y.
Application August 11, 1936, Serial No. 95,315
3 Claims. (Cl. 70—165)



1. A closure member for openings such as tank openings and comprising a cap area and a neck area projected therefrom, the neck area being formed with an annular channel, of an over-all protector comprising a lock element receiving chamber and a skirt adapted to conceal the closure member, a locking member carried by the protector, means in said chamber of the protector for operating the lock member for projection into and out of engagement with said annular shoulder of the closure member, and a hinge connection between the closure member and the protector permitting free rotation of the latter.

2,138,872
BRUSH AND BRISTLES THEREFOR
Richard Marogg, New York, N. Y.
Application June 26, 1936, Serial No. 87,482
1 Claim. (Cl. 15—186)



A comparatively long slender wire bristle for use in a hair brush of the type in which a flexible

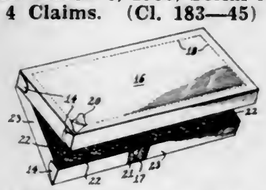
rubber pad is mounted on a brush back and provided with openings in which individual bristles are received, a given bristle being provided at its inner end with a head and with an enlargement spaced from said head a distance substantially corresponding to the thickness of the pad in which the bristle is mounted.

2,138,873
SOAP TABLET COVERED WITH A SOFT SHEATH
Claude Isaac Meyer, Paris, France
Application August 11, 1936, Serial No. 95,392
In France August 13, 1935
11 Claims. (Cl. 87—23)



1. In combination with a soap tablet, a pliable water-proof protective sheath adapted to be rolled up and down along the lateral faces of said tablet and having a free edge formed with a rolled bead, said lateral faces being formed with flutings extending peripherally all around the tablet, so that said rolled bead increases in diameter and can be accommodated at each of the successive flutings according as the tablet is worn away from the surface from which said sheath is rolled up, said flutings having a width less than the diameter of said roll and a depth greater than the penetrating portion of said roll, whereby said sheath forms closed air pockets in said flutings.

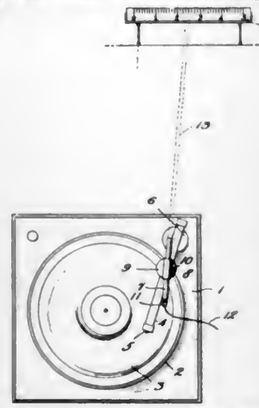
2,138,874
FILTER UNIT
Frank L. Myers, Newark, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application March 5, 1936, Serial No. 67,330
4 Claims. (Cl. 183—45)



4. As an article of manufacture, a combined filter unit and enclosing envelope, said filter unit including a rectangular body of matted fibers and a viscous substance coating said fibers, an envelope enclosing said body, said envelope formed from a single piece of sheet material having score lines along which the sheet is folded into the form of a rectangular container to fit and enclose the filter body, the major faces of the envelope being formed with rows of perforations extending parallel with and adjacent the edges of said faces to form removable panels, whereby when said panels are removed the major portions of the opposite faces of the filter body are exposed.

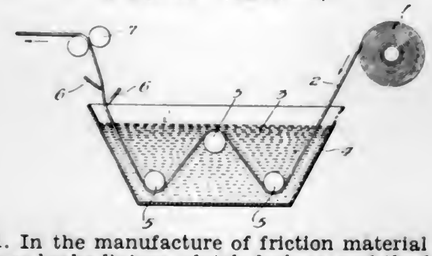
2,138,875
THEME FINDER
William Otto Miessner, Deerfield, Ill.
Application July 15, 1936, Serial No. 90,641
9 Claims. (Cl. 274—1)

1. In a theme finder, the combination comprising a source of light, means for concentrating light emitted by said source into a light beam, means actuated by the tone arm of a phonograph for varying the direction of said light beam in



accordance with displacements of said tone arm on a sound record, and a scale cooperating with said light beam for denoting the position of said tone arm.

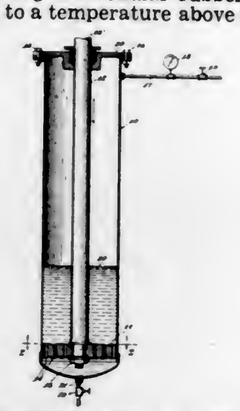
2,138,876
MANUFACTURE OF WOVEN FRICTION MATERIAL
Izador J. Novak, Bridgeport, Conn., assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn., a corporation of New Jersey
Application January 30, 1937, Serial No. 123,198
9 Claims. (Cl. 28—1)



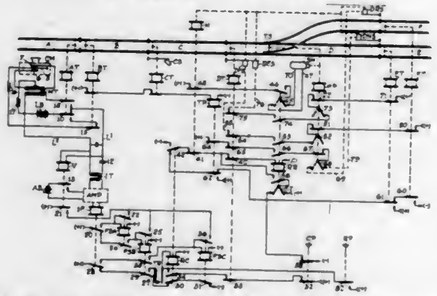
1. In the manufacture of friction material for use as brake linings, clutch facings, and the like, wherein asbestos yarns are woven into a tape, the tape impregnated with a saturant and cured to convert the saturant to a hardened binder, the improvement which comprises weaving asbestos yarns into a tape having well defined openings between the yarns of such size as to freely pass filler material carried in a liquid saturant, and having a width substantially greater than the width of the friction material desired, soaking said tape with a filler material carried in a liquid saturant in an amount greater by weight than the original weight of the tape, decreasing the width of the tape to approximately the desired finished width, and curing the filled tape to set the saturant and bond the asbestos yarns and filler material.

2,138,877
GAS EXPANDED RUBBER
Frederick W. Peel, Bedford, Va., assignor to Rubatex Products, Inc., New York, N. Y., a corporation of Delaware
Application October 15, 1935, Serial No. 45,051
3 Claims. (Cl. 18—53)

1. The method of manufacturing gas expanded cellular rubber which comprises vigorously agitating a rubber solution in the presence of nitrogen at a pressure of the order of 25 to 100 pounds per square inch to form a cellular rubber froth, pouring the cellular rubber froth into a mold heated to a temperature above that necessary to vulcanize the rubber to form a skin on the rubber froth so as to prevent escape of gas contained therein and reducing the initial temperature of the mold to completely and uniformly vulcanize the gas expanded cellular rubber.



2,138,878
RAILWAY TRAFFIC CONTROLLING SYSTEM
Robert M. Phinney, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application August 29, 1936, Serial No. 98,545
12 Claims. (Cl. 246—3)



11. In combination, a stretch of railway track including a track switch operable between a normal position and a reverse position, a first approach section connected with said stretch when said switch is occupying its normal position, a second approach section connected with said stretch when said switch is occupying its reverse position, means for causing said switch to assume its normal position or its reverse position according as said first section or said second section respectively becomes occupied by a train, and means whereby one section takes precedence over the other when both sections become occupied simultaneously.

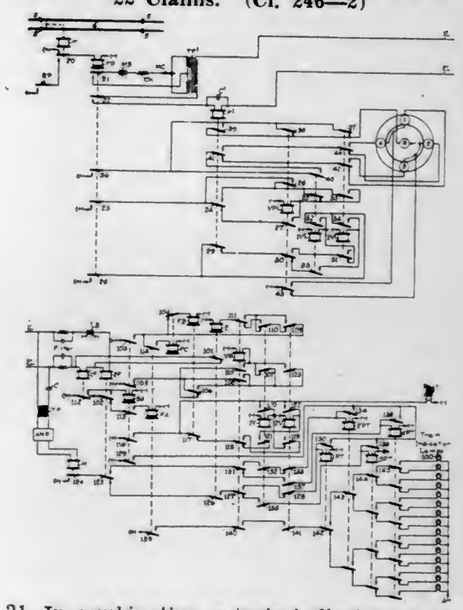
2,138,879
SLIDE RULE
Roy B. Poole, Dayton, Ohio
Application November 28, 1936, Serial No. 113,238
6 Claims. (Cl. 235—70)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

3. In a slide rule, a twofold logarithmic scale, a standard logarithmic scale, an inverted logarithmic scale, a temperature scale and reference line, the inverted scale and temperature scale bearing a fixed relationship to each other and being movable relative to the twofold logarithmic scale, the standard logarithmic scale and the reference line, so arranged with respect to each other that the diameters of a wire of a given material in mils on the twofold logarithmic scale



are in alignment with their respective resistances in ohms per 1000 feet on the inverted logarithmic scale for any given position of the temperature scale, so that the resistance of said wire per 1000 feet for any given diameter and for any temperature can be read directly on the inverted logarithmic scale.

2,138,880
TRAIN DESCRIBER SYSTEM
Winfred T. Powell, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application October 8, 1936, Serial No. 104,683
22 Claims. (Cl. 246—2)

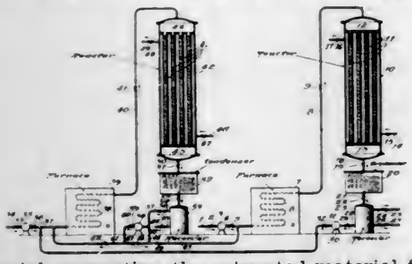


21. In combination, a train indicator operated by codes comprised of groups of sound waves emitted by a train, an indicator for indicating when said groups of sound waves shall be emitted to make up said codes, time controlled means for controlling said indicator, code registering means for registering said groups of sound waves, and means controlled by said code registering means for selectively operating said train indicator in accordance with said codes.

2,138,881
HYDROGENATION
Robert Pyzel, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application May 8, 1937, Serial No. 141,527
2 Claims. (Cl. 260—676)

1. A two-stage hydrogenating process which comprises subjecting unsaturated hydrocarbon

material in a first hydrogenating stage to hydrogenating conditions in admixture with a limited quantity of hydrogen such as to effect only partial saturation of the hydrocarbon material, supplying the partially saturated material to a second hydrogenating stage, introducing fresh hydrogen-containing gas to said second stage and therein completely saturating the hydrocarbon



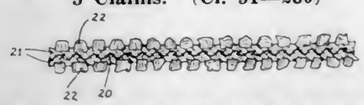
material, separating the saturated material from residual hydrogen-containing gas, supplying to the first stage such an amount of said residual gas as will provide said limited quantity of hydrogen in the first stage, and recirculating a sufficient quantity of the residual gas to the second stage to maintain therein an excess of hydrogen over that required for the complete saturation of the partially saturated hydrocarbon material.

2,138,882

ABRASIVE

Norman P. Robie, Niagara Falls, N. Y., assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

Application July 27, 1936, Serial No. 92,939
5 Claims. (Cl. 51—280)



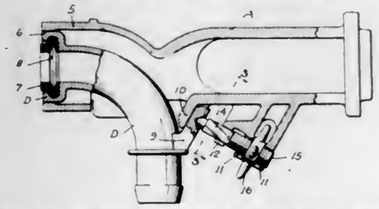
1. In a coated abrasive, a backing comprising a woven glass fabric, a heat-hardened adhesive and a layer of abrasive grain attached to said backing by means of said adhesive.

2,138,883

AUTOMATIC TRAIN PIPE CONNECTER

Joseph Robinson, New York, N. Y., assignor of one-half to Roy M. Wolvin

Application August 29, 1934, Serial No. 741,989
Renewed March 14, 1938
4 Claims. (Cl. 285—58)



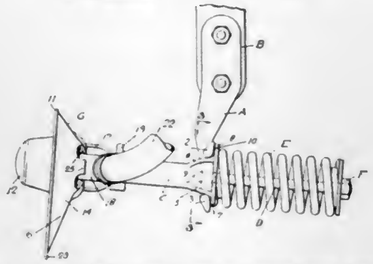
4. An automatic train pipe connecter, comprising, in combination, a head supporting member, a coupling head carried at the forward end thereof, a conduit removably mounted on said member with one end disposed forwardly for coupling engagement with a corresponding conduit adapted to be coupled therewith, and means for anchoring said conduit on said member, said means including a lug on said conduit projecting laterally and rearwardly therefrom, a forwardly and laterally extending portion on said member, said lug and forwardly and laterally extending portion being adapted to cooperate for positioning said conduit in regard to said member and to limit forward movement of the conduit and means angularly disposed to said member for shifting said conduit into cooperative position with said supporting member.

2,138,884

AUTOMATIC TRAIN PIPE CONNECTER

Joseph Robinson, New York, N. Y., assignor of one-half to Roy M. Wolvin

Application November 26, 1934, Serial No. 754,889
Renewed March 14, 1938
13 Claims. (Cl. 285—58)



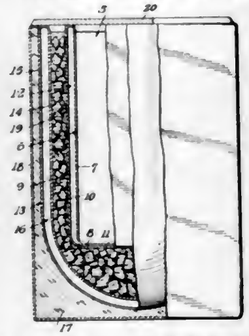
1. An automatic train pipe connecter comprising in combination, a coupling head having a greater vertical gathering range from points below its horizontal center than from points above such center whereby increased gathering range in the coupling head is secured, and means to prevent undue rotation of said head about the longitudinal center line of the connecter when the coengaging guiding parts of mating coupling heads meet at points lying within the territory of said increased gathering range.

2,138,885

REFRIGERATED INSULATION

Joseph M. Ross, Bellaire, N. Y.

Application April 20, 1936, Serial No. 75,371
4 Claims. (Cl. 62—87)



1. A refrigerator comprising an outer casing, a lining of insulation within the casing, a vacuum chamber within the lining, a double-walled metal container within the vacuum chamber and spaced therefrom, the double walls of the sides being spaced apart to form an insulating chamber therearound, and the double walls of the bottom of said container being in intimate surface contact, a storage chamber within the container, the vacuum chamber and the double-walled container being arranged to form a space

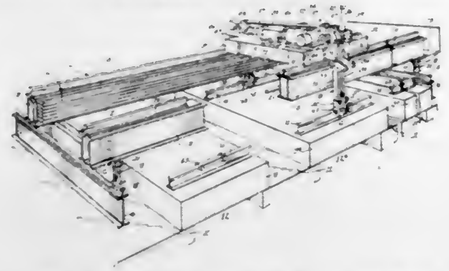
to receive a refrigerating medium which is presented in heat transfer relation to the storage chamber.

2,138,886

SOAKING PIT COVER CRANE

Christopher Henry Schramm, Muskegon, Mich., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y., a corporation of New Jersey

Application November 2, 1936, Serial No. 108,801
16 Claims. (Cl. 212—4)



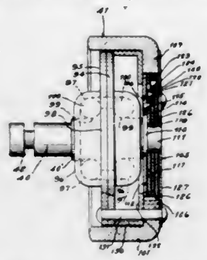
1. The combination with a group of floor installed soaking pits arranged in parallel rows, each of said pits having an individual cover, of rails located on opposite sides of the group of pits forming a track parallel to said rows, a bridge mounted on said track and spanning the rows of pits, a trolley on said bridge movable longitudinally thereof whereby the trolley may be positioned over any pit in the group by combined movements of the bridge and trolley, cover raising and lowering means on said trolley, cover gripping means effective when operated to operatively connect said raising and lowering means with the cover of the pit over which the trolley is positioned, and means operable from a remote point for operating said gripping means.

2,138,887

GEARING FOR SKATES

Samuel Segal, Brooklyn, N. Y.

Application August 22, 1935, Serial No. 37,297
23 Claims. (Cl. 74—307)



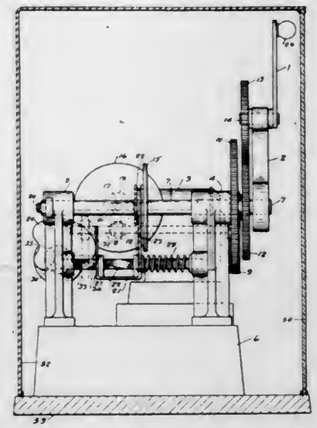
1. In combination with a fixed shaft having an eccentric, rotatable means mounted on said shaft and having a portion for contacting a stationary surface to rotate said rotatable means about said shaft, eccentrically displaceable means within said rotatable means and actuated by said eccentric during rotation of said rotatable means to cooperate with the latter, a member within said rotatable means and adapted to carry a plurality of indicia and rotatably mounted on said shaft and driven by said eccentrically displaceable means and displaceable relative to said rotatable means during rotation of the latter, and closure means bodily carried by said rotatable means for exposing portions of said member.

2,138,888

CHANGEABLE LIGHT ADVERTISING DEVICE

William W. Shigley, Belleville, N. J., assignor, by direct and mesne assignments, of one-half to E. Daniel Bush and one-half to C. Abbott Bush, both of Brooklyn, N. Y.

Application September 29, 1937, Serial No. 166,390
2 Claims. (Cl. 240—10.1)



1. In a display device of the type having lights mounted in the ends of the arms of a spider, in which the spider is rotatably mounted in the end of a freely rotatable arm and adapted to be driven directly by rotating means; a shaft upon which said arm is mounted, a friction disc slidable on said shaft connected therethrough to said arm and providing the rotating means for said arm, another friction disc rotatably mounted and driven by said rotating means, said latter disc engaging the former friction disc, means changing the position of one disc in relation to the other to adjust the speed of rotation of the respective parts, and means adapted to hold the said first mentioned disc at different points of contact with said latter disk whereby the lights may be controlled to produce one design.

2,138,889

POLYVINYL ACETAL RESIN SHEETS CONTAINING DIPHENYL ETHER

Henry B. Smith and Donald R. Swan, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application December 3, 1937, Serial No. 177,965
4 Claims. (Cl. 106—22)

1. A transparent, rubbery sheet comprising 100 parts of a polyvinyl acetal resin and, as an elasticizer therefor, at least 40 parts, approximately, of a mixture consisting of 30–70% of diphenyl ether and 70–30% of a lower dialkyl phthalate.

2,138,890

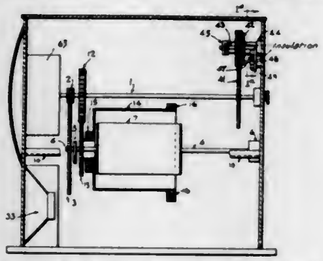
SYSTEM AND APPARATUS FOR ANNOUNCING TIME

Thorvald A. Solberg, Washington, D. C.

Application May 15, 1936, Serial No. 80,013
7 Claims. (Cl. 58—14)

7. In an announcing system for clocks, a clock, a pair of concentrically mounted cylinders rotatably driven by said clock, one of said cylinders having a spiral right and left hand groove formed in the surface thereof, the other of said cylinders carrying a sound record thereon, a frame having a portion thereof extending in a path exterior of

the cylinder which carries the sound record thereon, a shoe device connected with said frame and engaging said groove; a light source, a photoelectric cell and an optical system carried by said frame in cooperative relation to said sound rec-



ord; an amplifier and sound reproducing system, means operated in timed relation to said clock for conditioning said amplifier prior to a predetermined announcing time, and separate means controlled by said clock for energizing said light source instantaneously at the announcing time.

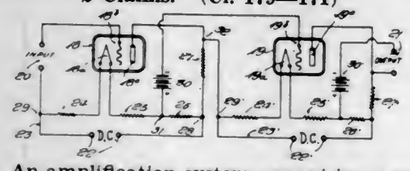
2,138,891

ELECTRON TUBE AMPLIFICATION SYSTEM

Walter Soller, Tucson, Ariz., assignor of one-half to William H. Woodin, Jr., Tucson, Ariz.

Application September 25, 1934, Serial No. 745,460

2 Claims. (Cl. 179—171)



1. An amplification system comprising a multiplicity of electron tubes, each including a cathode, a control grid and an anode, a separate series circuit containing a source of potential for energizing said cathode and anode in each of said electron tubes, a connection including a resistor from one terminal of said source of potential to said anode, a connection from the series circuit connected with the succeeding electron tube to the anode of the preceding electron tube, a connection from the control grid of the succeeding electron tube to a point in the series circuit connected with the preceding electron tube thence through a resistor in said series circuit to the terminal of said source of potential connected with said anode, and a source of compensating potential included in said last mentioned connection for balancing the potential across the connections to the succeeding electron tube circuits.

2,138,892

PROCESS FOR THE MANUFACTURE OF ELECTROSTATIC CONDENSERS

Hermann Sträb, Stuttgart, Karl Reger, Stuttgart-Sillenbuch, and Walter Dorn, Stuttgart, Germany, assignors to Robert Bosch Gesellschaft mit beschrankter Haftung, Stuttgart, Germany

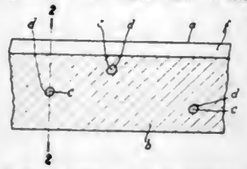
Application April 12, 1937, Serial No. 136,420

In Germany April 16, 1936

16 Claims. (Cl. 175—41)

2. In a process for the manufacture of electrostatic condensers, the steps which comprise applying to the weak spots of a dielectric a substance which can be removed and which prevents the deposition of metal thereon, and depositing a metal coating on the dielectric.

11. An electrostatic condenser consisting of a metal coated dielectric, the metal of which is absent from places around the weak spots of the



dielectric, the edges of the metal adjacent said weak spots being smooth and unfused.

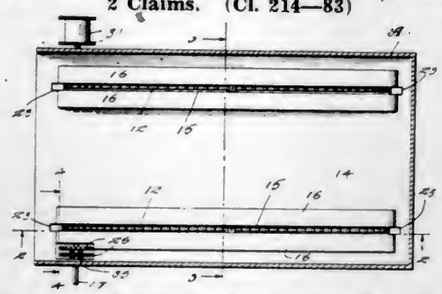
2,138,893

TRUCK ICE LOADING AND UNLOADING DEVICE

Samuel K. Wallace, Memphis, Tenn.

Application June 14, 1937, Serial No. 148,193

2 Claims. (Cl. 214—83)



1. A loading and unloading device for a truck having a bed provided with spaced parallel slots longitudinally thereof, comprising a pair of endless chains movably supported with relation to said bed and having the upper stretches thereof movable in said slots, strips on said bed at opposite sides of the slots and effecting runways for the upper stretches of said chains, cleats connected with said chains, sprocket wheels having the chains trained thereover, a power shaft operating certain of said sprocket wheels, reversely-acting ratchet wheels fixed to said shaft, a double-armed fork-like lever for saddling either of said ratchet wheels and having slots in its arms opening through the free ends thereof for straddling engagement of the said arms on the said shaft, and a latching projection within the fork of said lever for engaging the teeth of the ratchet wheels.

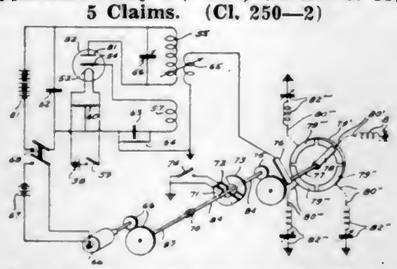
2,138,894

RADIO PAGING SYSTEM

Paul Ware, New York, N. Y.

Application July 31, 1935, Serial No. 33,966

5 Claims. (Cl. 250—2)



1. A radio paging system comprising a transmitter having means for varying the frequency of the transmitted carrier, a plurality of portable radio receiving units each comprising an oscillating detector for producing a predetermined

beat frequency with a carrier frequency to which said transmitter is adjustable and different beat frequencies with all other carrier frequencies, and a filter for passing currents of audible frequency produced by said predetermined beat frequency, means for amplifying said filter output, and means for indicating the presence of said output signal.

2,138,895

RUBBER COMPOSITIONS AND METHODS OF PREPARING SAME

Peter J. Wiezevich, Elizabeth, N. J., now by judicial change of name Peter J. Gaylor, assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application May 5, 1937, Serial No. 140,865

18 Claims. (Cl. 106—23)

1. Composition comprising a rubber stock and a polymerized aliphatic iso-olefin having an average molecular weight of above 800 as determined by the viscosity method.

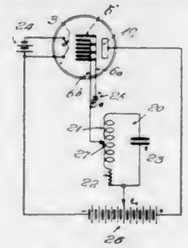
2,138,896

NEGATIVE RESISTANCE

Edward H. Yonkers, Jr., Chicago, Ill.

Application August 26, 1936, Serial No. 98,007

13 Claims. (Cl. 250—36)



1. The method of producing negative resistance which includes the projection of a constant current electron stream, and the maintenance of a substantially constant transverse electrostatic field and of a longitudinal electrostatic field subject to variation, the transverse component of current in the electron stream being inversely variable with the strength of the longitudinal electrostatic field.

2,138,897

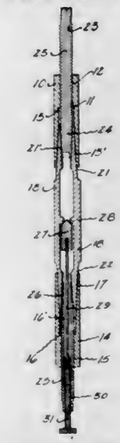
REAMER

David S. Anthony, San Antonio, Tex.

Application December 23, 1935, Serial No. 55,799

3 Claims. (Cl. 77—76)

1. An adjustable reamer comprising, an annularly grouped plurality of elongate, separate unitary blade elements, each element having like opposite end portions tapered on their inner and outer sides, the inner tapered portions being concaved transversely and smooth-surfaced and the outer tapered portions being conoidal and screw-threaded, a pair of opposed like elongate confining and supporting sleeve members, each having an axial bore therethrough, a portion of the bore being flared towards the inner end of the member and having screw threads whereby to interfittingly receive the screw-threaded outer tapered end portions of the blade elements, the bore continuing cylindrically from said flared portion thereof to the outer end of the member and being screw-threaded, a pair of interchangeable elongate shank members of like external formation, each shank member having a screw-threaded cylindrical major portion to fit and work in the screw-threaded cylindrical bore portion of either of said sleeve members and a



smooth-surfaced, correspondingly tapered end portion to wedgingly engage the inner tapered end portions of the blade elements confined in the sleeve member.

2,138,898

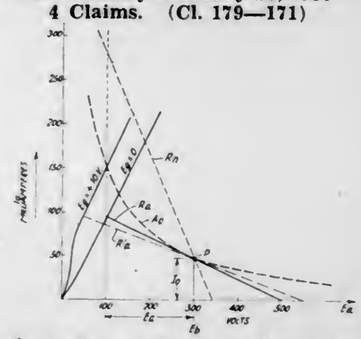
PUSH-PULL AMPLIFIER

Hans Bartels, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application May 8, 1937, Serial No. 141,442

In Germany February 28, 1936

4 Claims. (Cl. 179—171)



1. Method of operating a push-pull amplifier which consists in adjusting the fixed bias relative to the plate voltage so that the non-signalling plate dissipation is the maximum permissible, and secondly adjusting the load resistance to the lowest value which does not cause the plate dissipation to increase appreciably in the presence of signal input up to the magnitude of input that causes the distortion to reach a predetermined value.

2,138,899

PROCESS OF PREPARING HYDROXYLAMINE DERIVATIVES OF CYCLIC COMPOUNDS

Henry H. Bassford, Jr., Naugatuck, Conn., assignor to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application January 16, 1937, Serial No. 121,016

9 Claims. (Cl. 260—563)

1. In a process of preparing a hydroxylamine

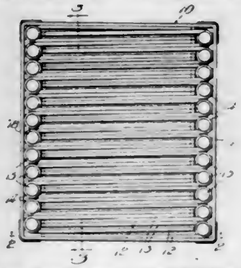
of a cyclic compound by reduction of a nitrocyclic compound selected from the group consisting of nitro-aromatic compounds and nitroheterocyclic compounds the step of reducing the nitro compound in the presence of a non-acidic aqueous solution substantially saturated with the desired cyclic hydroxylamine.

2,138,900
SHORT WAVE ANTENNA SYSTEM
Walter Berndt and Albrecht Gothe, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application August 1, 1935, Serial No. 34,196
In Germany August 31, 1934
3 Claims. (Cl. 250—11)



1. A short wave antenna system comprising a dipole bent substantially into a semi-circle, and a plane reflecting surface at right angles to the plane of the dipole and close to the ends thereof.

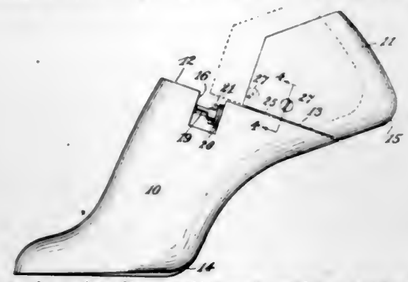
2,138,901
HINGE PACKAGE
Louis A. Bittorf, Sterling, Ill., assignor to National Manufacturing Co., Sterling, Ill., a corporation of Illinois
Application April 15, 1935, Serial No. 16,288
10 Claims. (Cl. 206—65)



2. A hinge package comprising a container and a plurality of groups of hinges disposed side by side in said container, the leaves of one of the hinges of one group being disposed between the leaves of two hinges of another group, said container snugly engaging the pintle portions of the hinges of said groups and holding said leaves in the relationship specified.

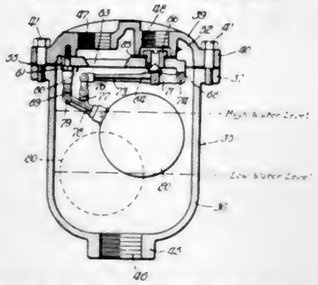
2,138,902
LAST
Pasquale Borda, Brooklyn, N. Y.
Application July 28, 1938, Serial No. 221,686
4 Claims. (Cl. 12—135)

1. In a last, in combination, a toe element having a plane face positioned diagonally to the longitudinal axis of the last, an upper recess extending inwardly from said plane face of said toe element, a lower narrow recess extending downwardly from said upper recess and opening outwardly through said plane face of said toe member, a threaded revoluble member within said two recesses and abutable upon the upper face of said upper recess, means adapted to prevent the downward movement of said revoluble member, means adapted to allow of the revolution of said revoluble member; a heel element having a plane face positioned diagonally to the longitudinal axis of said last and slidably abutable upon the diagonal face of said toe element, a recess extending inwardly from said plane face,



a member fixedly positioned within said recess and extending therefrom and means carried by said extended member adapted to mesh with the threads of said threaded member carried by said toe element.

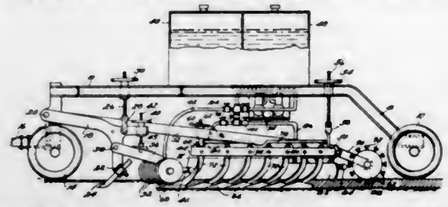
2,138,903
FEED WATER CONTROL
Frederick H. Bradford, La Grange, Ill.
Application June 26, 1935, Serial No. 28,489
3 Claims. (Cl. 137—101)



1. A control device for boilers and the like, comprising a float chamber including a part having an open upper end and a closure disposed over said open end and having spaced conduit receiving openings, one adapted to communicate with the steam space of a boiler and the other having an inwardly extending flange encircling the opening and adapted to lead to a point exterior of the boiler, a frame fastened to said closure member on the interior of said float chamber in spaced relation with respect to said one opening and securely sealed to the flange encircling said other opening, a float disposed within said chamber and including a float arm pivotally connected with and carried by said frame adjacent said one opening, a valve port in said frame registering with said other opening, a lever pivotally connected with and carried by said frame laterally outwardly of said valve port and including a valve secured thereto in a position to open and close said port, and means connecting the end of said lever opposite its point of pivotal connection with said frame with said float arm adjacent its point of pivotal connection with said frame.

2,138,904
ROAD SURFACE TREATING MACHINE
Frank L. Carswell, Kansas City, Mo.
Application August 12, 1935, Serial No. 35,781
14 Claims. (Cl. 94—44)

1. A machine of the character described comprising a frame; a series of plows mounted on the frame; and means adjacent each plow respectively for depositing road making material along the bottom of the furrow formed by that plow, said plows being arranged in a path extending



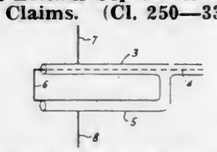
laterally and rearwardly from a point on the longitudinal center of the machine, whereby the road material moved by each plow is deposited in the furrow made by the adjacent preceding plow.

2,138,905
HAIR CURLER
Joseph Coggans and Robert Kelso, Glasgow, Scotland
Application December 1, 1937, Serial No. 177,446
4 Claims. (Cl. 132—41)



4. A hair curler comprising a rigid tube having at least one aperture for permitting passage into the tube of the ends of the hair to be curled, a member having a pair of spaced resilient parts insertible into and rotatable within said tube, said member having a head at one end by means of which it may be rotated about the axis of said tube, the resilient parts of said member defining a gap adapted to register with said aperture and to receive the ends of the hair, so that on rotation of said member the hair coils around and compresses said resilient parts within the tube, and the outer coil of hair is maintained in frictional contact within the inside of the tube by the expansive action of said resilient parts, and means for holding said member in position within the tube and for preventing retrograde rotation thereof.

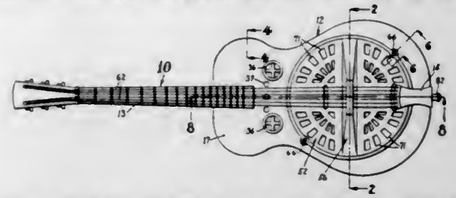
2,138,906
FEEDER AND THE LIKE FOR ELECTRIC CURRENTS OF HIGH FREQUENCY
Edward Cecil Cork, Ealing, and Joseph Lade Pawsey, Hillingdon, England, assignors to Electric & Musical Industries Limited, Hayes, England, a British company
Application September 16, 1936, Serial No. 100,986
In Great Britain September 17, 1935
10 Claims. (Cl. 250—33)



10. A symmetrical tank circuit devoid of concentrated reactance, connections for energizing it from an unbalanced line, connections from said tank circuit to a balanced load circuit, the tuning of said tank circuit and the points of connection being so chosen as to match the impedance of said line to said load.

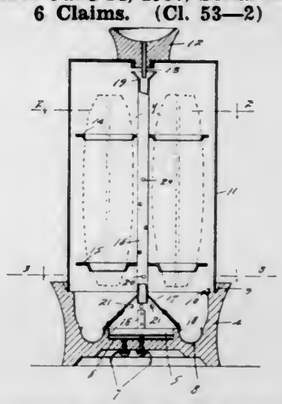
2,138,907
STRINGED MUSICAL INSTRUMENT
Rudolph Dopyera, Los Angeles, Calif.
Application June 24, 1935, Serial No. 28,034
2 Claims. (Cl. 84—1)

1. A musical instrument having a base, side walls and a top, forming a hollow body, said top having an aperture therein, a diaphragm in said hollow body, said diaphragm having an aperture therein, strings disposed above the top of said



body, a pickup unit having a core on the interior of said body and secured to the base thereof, said core extending upwardly through the apertures in said diaphragm and said top and terminating below said strings.

2,138,908
EAR CORN STEAMER
Frank W. Douthitt, Ortonville, Minn.
Application June 14, 1937, Serial No. 148,121
6 Claims. (Cl. 53—2)



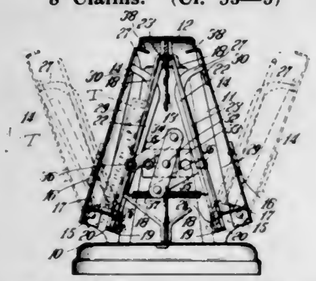
1. In a steamer of the kind described, a base formed at its bottom with an axial water receptacle and a surrounding drip trough, a heat supplying element in said water receptacle, a hood covering said water receptacle, a tubular stem extended upward from said hood, means on said stem for holding ears of corn, an inverted cup-shaped casing seated on said base, and a drip cup on the top of said casing having a conduit arranged to deliver into the upper end of said tubular stem.

2,138,909
PROCESS FOR THE MANUFACTURE OF WATERPROOF SHAPED PRODUCTS
Egon Elöd, Karlsruhe, and Ernst Demme, Weinheim, Germany, assignors to firm Carl Freudenberg G. m. b. H., Weinheim, Germany, a society of Germany
No Drawing. Application May 4, 1935, Serial No. 19,903. In Germany May 7, 1934
4 Claims. (Cl. 92—40)

1. In a process of producing waterproof, permanently soft and elastic, shaped products, the steps comprising swelling substantially untanned fibrous animal substances by treatment with swelling agents, defibrating the swollen material, molding the resulting swollen defibered mass, then treating the molded article with solutions comprising non-aqueous glycerine whereby the article is converted into a loosened condition receptive to the absorption of softeners, substantially removing the glycerine containing solution

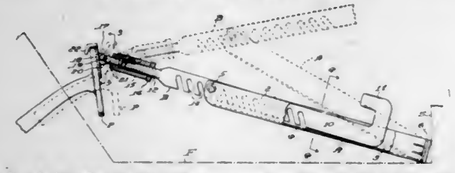
from the article by extraction with organic solvents, and introducing water insoluble softening oils into the loosened article.

2,138,910
TOASTER
Victor Emanuel, Chicago, Ill., assignor of one-half to Frank J. Cullomer, Chicago, Ill.
Application April 19, 1937, Serial No. 137,739
8 Claims. (Cl. 53—5)



1. A toaster of the character described comprising side doors hingedly secured at their lower ends so their upper ends swing laterally outward, said doors being individually operable; and combined door and toast controlling mechanism operatively disposed between the doors and the heating element of the toaster whereby the doors may be partly opened, the doors locked in said partly opened position and the pieces of bread tilted outwardly against the doors to expose the toasting sides of the bread.

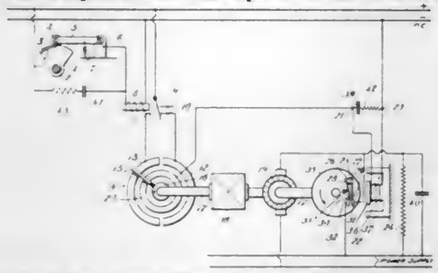
2,138,911
BRAKE PEDAL DEPRESSOR
Merlin Hugh Evans and Charles H. Sayre, Elmira, N. Y., assignors to Trayer Products Incorporated, Elmira, N. Y., a corporation of New York
Application August 11, 1937, Serial No. 158,476
3 Claims. (Cl. 254—123)



1. A brake pedal depressor comprising an elongated footed channel section having a transverse pivot adjacent its free end, a lever section having an actuating handle formed at one of its ends and a plurality of notches extending inward from one of its edges and sloping away from said end, a sleeve threaded on its opposite end, and a brake pedal engaging shoe having a universal connection to said sleeve.

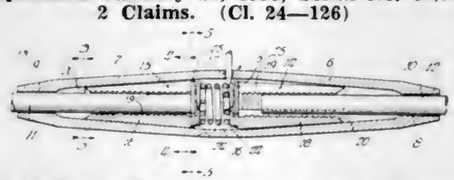
2,138,912
SYNCHRONOUS CONTROL DEVICE
Clifton T. Foss, Stewart Manor, N. Y., assignor to Arma Engineering Co., Inc., Brooklyn, N. Y., a corporation of New York
Application July 29, 1936, Serial No. 93,138
7 Claims. (Cl. 172—293)

1. In a device for synchronizing the movements of a secondary member with the movements of a primary member, the combination of a pair of spaced contacts, a brush driven by the secondary member to alternately engage said contacts, means actuated by the primary member for alternately energizing said contacts, means responsive to the speed of the secondary



member for regulating the speed of the same, and means energized upon engagement of said brush with one of said energized contacts for controlling the speed responsive means.

2,138,913
AUTOMATIC LINE SPLICE
William G. Fotsch, Chicago, Ill., assignor to Reliable Electric Co., Chicago, Ill., a corporation of Illinois
Application January 27, 1936, Serial No. 61,036
2 Claims. (Cl. 24—126)

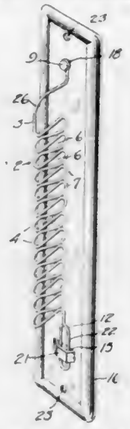


1. A line splice comprising a piece of metal tubing having its end portions reduced in diameter to form tapering end portions and having end openings for the insertion of wires, sets of wedge members in said tubing adapted to be compressed against wires inserted therebetween by engagement with the tapered inner surfaces of the end portions of said tubing, a disk member for each set of wedge members said disk member having circumferentially spaced slots, and said wedge members having reduced neck portions in said slots interconnecting said wedge members at their larger ends and preventing longitudinal or circumferential displacement of one wedge member of a set with respect to the others, said wedge members being radially movable on their disk members, and spring means interposed between the sets of wedge members for pressing them outwardly, said metal tubing having cylindrical interior surfaces at its opposite ends providing bearings for the conductors inserted therein.

2,138,914
RACK FOR NECKTIES AND THE LIKE
Henry Frey, Oakland, Calif., assignor of one-third to Jules H. Goulet, Oakland, Calif., and one-third to Roger D. Williams, Alameda, Calif.
Application October 13, 1936, Serial No. 105,395
2 Claims. (Cl. 211—120)

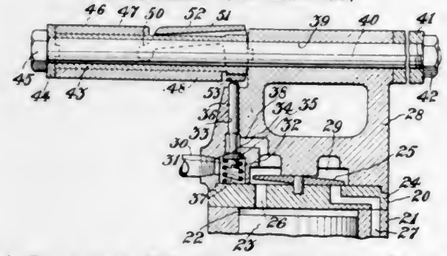
1. In a device of the character described, an elongated resilient sinuous strip defining a plurality of substantially abutting coplanar loops adapted to receive and resiliently clamp therebetween a plurality of neckties and being expansible or contractible longitudinally, means to support said strip at one portion thereof against longitudinal displacement in the plane of said loops, and means mounting another portion of said

strip for longitudnal movement in said plane whereby expansion or contraction of said strip



may be effected toward and from said fixed portion.

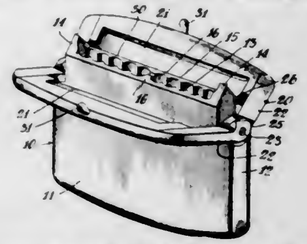
2,138,915
ROCK DRILL
George H. Fuehrer, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application March 2, 1937, Serial No. 128,573
7 Claims. (Cl. 121—35)



1. In a rock drill, the combination of a back head portion, a handle having grips extending laterally from the back head, a throttle valve in the back head for controlling the admission of pressure fluid into the rock drill, a stem disposed at one side of and directed toward the handle, a movable grip member on one of said handle grips non-rotatable with respect thereto, and a ring-like portion on the movable grip member encircling one of said handle grips to loosely contact one of said steps and radially movable with respect to said handle grip to depress said stem.

2,138,916
CIGARETTE CASE
Helmuth J. Gaess, Palisade, N. J., assignor to Theodore E. Gaess, Palisade, N. J.
Application July 12, 1937, Serial No. 153,166
1 Claim. (Cl. 206—41)

A cigarette case comprising a flat body member having bores to receive a row of parallel cigarettes with their ends projecting beyond the top of said body, a pair of side wings hinged to said body and projecting above the top thereof, said wings having recesses to accommodate said projecting cigarette ends when closed and having hinge members at their ends, said hinge members projecting below said wings and being pinned to the ends of said body and lying entirely within the confines of the surface of the case when in closed position, said body having upwardly projecting tabs provided with inclined surfaces, said wings having cooperating inclined surfaces engaging said first surfaces for holding the wings

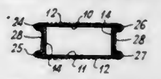


in alignment with said body when closed, whereby the closed wings lie flush with the surface of the body and form substantially a continuation thereof and snap members carried by the respective wings for holding the same in closed position.

2,138,917
PRODUCTION OF HIGH MOLECULAR GLYCOLS AND ESTERS THEREOF
Adolf Grün, Basel, Switzerland, assignor to American Hyalsol Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 19, 1935, Serial No. 45,782. In Germany October 27, 1934
9 Claims. (Cl. 260—106)

1. The method which comprises oxidizing a higher molecular olefine-1 having 8 or more carbon atoms in the molecule into a higher molecular glycol-1,2 while the former is in solution in a low aliphatic acid with the aid of heat for a period necessary to complete the glycol formation, and saponifying to produce free glycol.

2,138,918
CATHODE
Cecil E. Haller, Bloomfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application March 24, 1938, Serial No. 197,757
5 Claims. (Cl. 250—27.5)

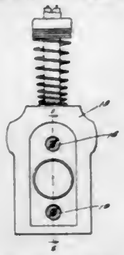


4. A cathode for an electron discharge device comprising a metal cylinder of rectangular cross section, said cylinder comprising two parallel side members exteriorly coated with an electron emissive material, and two spaced parallel walls joining contiguous edges of said side members, means for stiffening said cylinder comprising integral folds throughout the length of said cylinder joining the edges of the side members and walls, the folds being pressed into snug engagement with said walls.

2,138,919
PLUG SOCKET CONSTRUCTION
William P. Herman, Providence, R. I.
Application December 26, 1935, Serial No. 56,180
3 Claims. (Cl. 173—332)

1. In a connection socket plug, two members constituting a housing and having aligned recesses, plug clamps seated in said recesses, said members having transversely extending aligned bores with shoulders, a yielding retainer element seated in the bore of one member, and a

lock element seated in the bore of the other member and secured to said retainer element,



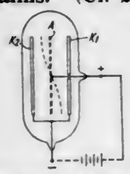
said elements having laterally extending portions contacting said shoulders.

2,138,920

SECONDARY EMISSION TUBE AND CIRCUIT

Hans Erich Hollmann, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany, a corporation of Germany

Application February 17, 1937, Serial No. 126,111
In Germany April 23, 1936
3 Claims. (Cl. 250—36)



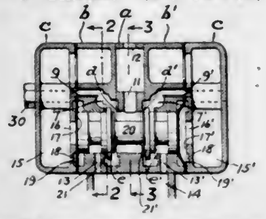
3. In combination, an electron discharge device comprising an evacuated envelope containing a pair of parallel surfaces capable of emitting electrons on impact, said surfaces being oppositely disposed and parallel with respect to an intermediate grid collecting element, said grid having an overall length equal to an odd multiple including unity of half the length of the operating wave, and a circuit coupled between an oscillation nodal point on said grid and said surfaces for applying to said grid a potential which is positive with respect to said surfaces.

2,138,921

MILKING MACHINE PULSATOR

John L. Hulbert, Poughkeepsie, N. Y., assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey

Application April 20, 1935, Serial No. 17,385
9 Claims. (Cl. 31—61)



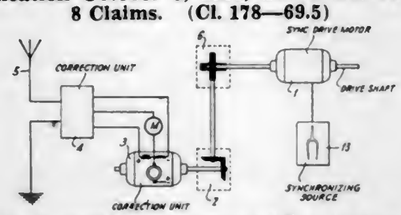
1. In a milking machine pulsator, the combination of a body member having two pairs of spaced apart valve seats, a valve carrying member reciprocable in the body member, poppet valves carried by the carrier member, one for each pair of valve seats, air passages, sources of high and low pressure, and air chambers at opposite ends of said carrier and adapted, at either end position of the carrier, to be connected, by said valves, through said passages, one with the source of high pressure and the other with the source of low pressure to thereby effect the shift of the carrier toward its other end position, said body member and valve seats being symmetrical about the center of length of the body member and said poppet valves being symmetrical about the center of length of the valve carrier.

2,138,922

FREQUENCY CHECKING DEVICE

Raymond D. Hutchens, Chicago, Ill., assignor to Radio Corporation of America, a corporation of Delaware

Application October 6, 1936, Serial No. 104,175
8 Claims. (Cl. 178—69.5)



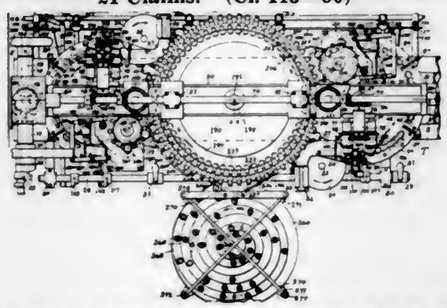
1. In a telegraph communication system, the method of determining the amount of departure from synchronism between a rotating transmitting mechanism and a remote rotating receiving mechanism which comprises applying, at intervals, mechanical corrections to one of said mechanisms and measuring the value of power necessary to make such corrections.

2,138,923

APPARATUS FOR ASSEMBLING SEALING PADS IN RECEPTACLE CLOSURE CAPS

John A. Johnson, Woodhaven, N. Y.

Application March 24, 1937, Serial No. 132,728
21 Claims. (Cl. 113—80)



1. In apparatus for assembling sealing pads in closure caps, a series of means mounted in spaced relation to each other and each of said means adapted to releasably support and transport closure caps, means mounted relative to the path of travel of each closure cap transporting means to successively engage closure caps on said transporting means, deposit and spread a spot of adhesive in the closure caps on the transporting means, heat the closure caps and adhesive to render the adhesive viscous, and engage sealing pads in the closure caps in contact with the viscous adhesive while the closure caps are solely supported by the closure cap transporting means, and pressure applying means mounted between the closure cap transporting means adapted to engage and transfer thereto the closure caps having the sealing pads engaged therein from the closure cap transporting means and apply pressure to the sealing pads to effect an intimate adhesion between the sealing pads and closure caps.

2,138,924

ANTIOXIDANT

Paul C. Jones, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Original application May 27, 1936, Serial No. 82,066. Divided and this application January 7, 1938, Serial No. 183,853
10 Claims. (Cl. 18—50)

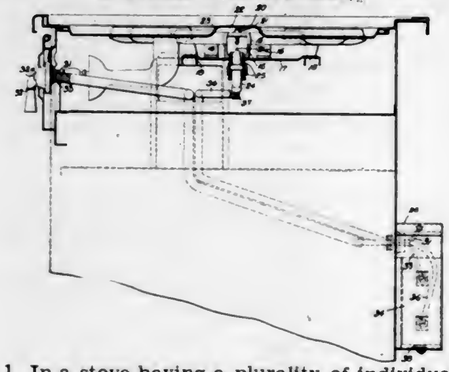
1. The method of retarding the deterioration of rubber which comprises treating rubber with a mono-alkyl ether of hydroquinone in which the alkyl group is a straight chain group containing at least four carbon atoms.

2,138,925

STOVE

Bertrand B. Kahn, Cincinnati, Ohio, assignor to The Estate Stove Company, Hamilton, Ohio, a corporation of Ohio

Application January 6, 1936, Serial No. 57,742
2 Claims. (Cl. 175—115)



1. In a stove having a plurality of individually controllable burners adapted for use of gaseous fuel of the character described, a normally inoperative lighting appliance comprising an ignition chamber provided between said burners at a point remote from the zone heated by any of said burners, a plurality of elongated gas passages each laterally communicating at one end with said chamber and extending from said chamber to the respective burners to convey gas discharged by any of said burners to said chamber, said chamber having a top wall, an electrode depending into said chamber centrally thereof and supported solely by said top wall and electrically connected to said top wall, a lower electrode insulated from said chamber and removably carried by said chamber with its upper end vertically below said first electrode and in line with all of said passages, said electrodes forming a spark gap in said chamber in a location remote from any continuous flame and in a location which is comparatively cool except when the gas of a burner is being ignited.

2,138,926

MOTH SNARE

Edward Karfiol, Great Neck, N. Y.

Application June 26, 1937, Serial No. 150,481
4 Claims. (Cl. 43—114)



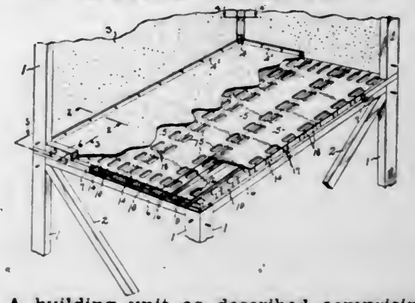
1. A moth snare comprising a core member coated with a sticky, tacky material, and a protective woolen fabric covering said sticky material having openings therein through which moths may pass.

2,138,927

BUILDING CONSTRUCTION

Harry H. Keller, Ventnor, N. J., assignor to Bitting Incorporated, New York, N. Y., a corporation of Delaware

Application November 25, 1935, Serial No. 51,494
12 Claims. (Cl. 189—34)



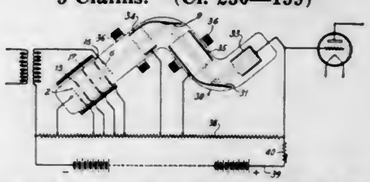
1. A building unit as described comprising a sheet of metal formed into relatively deep parallel channels, integral flanges formed on the ends of said channels having apertures therein, and a metal cover plate for one side of the unit secured thereto and having a plurality of large openings therein.

2,138,928

ELECTRON DISCHARGE DEVICE

Otto Klemperer, Iver, England, assignor to Electric and Musical Industries, Ltd., Hayes, England

Application October 9, 1936, Serial No. 104,754
In Great Britain October 16, 1935
5 Claims. (Cl. 250—159)



1. An electron multiplier comprising an electron emitting cathode, an anode having a secondary electron emission ratio greater than unity, a control electrode between said cathode and said anode, an output electrode adjacent said anode to receive secondary electrons from said anode, means intermediate said cathode and said control element comprising a diaphragm having an aperture of less area than the cross section of the electron discharge from said cathode to said anode at said element for abstracting from the discharge those electrons emitted by the cathode with an initial velocity outside a predetermined velocity range and passing along to said anode only those electrons with an initial velocity lying within a predetermined velocity range.

2,138,929

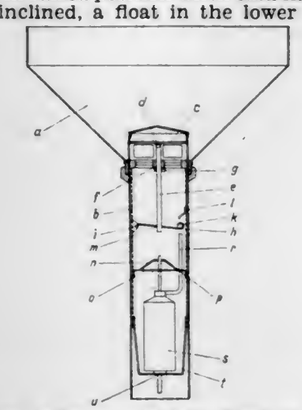
DEVICE FOR PREVENTING OVERFLOWING, ESPECIALLY DESIGNED FOR FUNNELS

Toni Loibl, Berlin-Tempelhof, Germany

Application July 27, 1937, Serial No. 155,897
In Germany July 30, 1936
3 Claims. (Cl. 226—37)

1. A device for preventing overflowing, comprising in combination with a funnel, a tube inserted in said funnel, a lid vertically slidable in the upper end of said tube, a rod hingedly mount-

ed on the underside of said lid, a flap hingedly mounted in said tube and having an aperture for said rod, the edges of said aperture constituting a friction clamping means for maintaining said rod in raised position when said flap is downwardly inclined, a float in the lower portion of



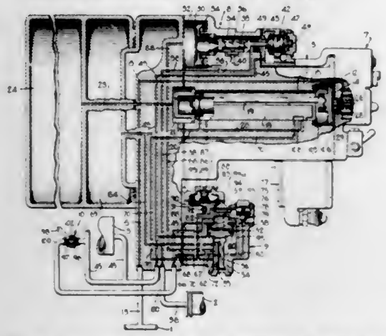
said tube, a transverse bar fixed in said tube above said float and having a hole, a vertical arm upwardly extending from said float through said hole of said transverse bar and adapted to lift said flap and to liberate said rod to shut said lid.

2,138,930

FLUID PRESSURE BRAKE

Charles H. McKinstry, Wilmerding, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application July 16, 1937, Serial No. 153,881
Renewed October 10, 1938
19 Claims. (Cl. 303—40)



1. In a locomotive fluid pressure brake equipment, in combination, a brake pipe, an application valve device operative upon an increase in fluid pressure in an operating chamber for effecting an application of the brakes, a valve device operative upon a reduction in brake pipe pressure at an emergency rate for supplying fluid under pressure to said chamber, a delay valve device operative to restrict the rate at which fluid under pressure is supplied to said chamber, and valve means operative upon a predetermined increase in the pressure of fluid supplied to said chamber for increasing the rate at which fluid under pressure is supplied to said chamber.

2,138,931

BOTTLE BREAKING TOOL

Emerich A. Mirz, Chicago, Ill.

Application May 18, 1935, Serial No. 22,186
2 Claims. (Cl. 83—93)

1. An instrument for breaking bottles and confining the chips, comprising an open top vessel for seating a bottle therein, a hollow holder, a tapered block adapted to engage with the neck of a bottle in said vessel, said block having a shank slidable in said holder, a hammer slidable



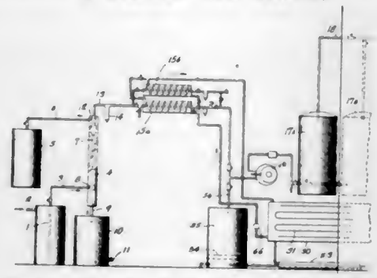
in said holder and adapted, by a blow on said shank, to cause said block to shatter the bottle neck, and a depending hood attached to the lower end of said holder and substantially closing the upper end of said vessel.

2,138,932

PLANT AND PROCESS FOR MANUFACTURING RUBBER HYDROCHLORIDE

Eugene W. Moffett and Herbert A. Winkelmann, Chicago, Ill., and Floyd E. Williams, Gary, Ind., assignors to Marbon Corporation, a corporation of Delaware

Application November 14, 1935, Serial No. 49,796
7 Claims. (Cl. 260—1)



1. The method of making hydrohalogenated rubber which comprises subjecting a solution of rubber to the action of hydrogen chloride in a reaction vessel thereby producing a solution of hydrohalogenated rubber, flowing the solution of hydrohalogenated rubber into a second vessel, adding a solution of rubber to the reaction vessel, removing the unreacted hydrogen chloride from the solution of hydrohalogenated rubber and recirculating said hydrogen halide into the reactor.

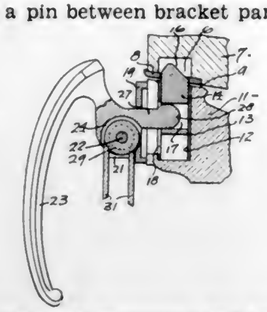
2,138,933

CLOSURE FASTENER

Tomlinson I. Moseley, San Francisco, Calif., assignor, by mesne assignments, to Crocker First National Bank of San Francisco, San Francisco, Calif., a national banking association of the United States of America

Application May 25, 1935, Serial No. 23,341
1 Claim. (Cl. 292—143)

In a window latch, an operating handle journalled on a pin between bracket parts, said han-



dle having a recess encircling said pin and a cord sheave journalled on said pin within said recess.

2,138,934

SULPHONAMIDE COMPOUNDS

William Henry Moss, London, England, assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application April 18, 1936, Serial No. 75,221. In Great Britain April 27, 1935
7 Claims. (Cl. 106—40)

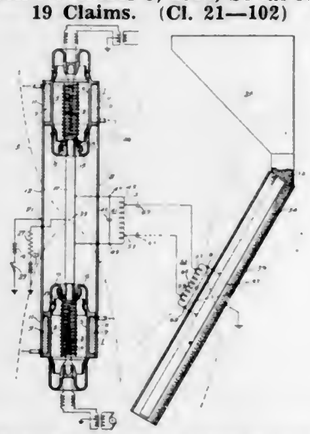
1. A composition of matter comprising a substance selected from the group consisting of cellulose esters, cellulose ethers and resinous vinyl compounds and as a modifier therefor an aromatic sulphonamide having attached to a nitrogen atom of a sulphonamide group at least one lower alkyl group having an acidylated hydroxy group as a substituent.

2,138,935

ELECTRIC DISCHARGE APPARATUS

Ilia Emmanuel Mouromtseff and Harrell V. Noble, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 5, 1932, Serial No. 641,368
19 Claims. (Cl. 21—102)



9. Apparatus for treating material infested with impurities of the type which have high dielectric losses when subjected to a high frequency field comprising means for generating high frequency electrical oscillations of wave length λ, a plurality of longitudinal bodies, at least one of which has a length l given by the expression

$$\lambda = \frac{2}{n} l$$

where n is an integer, said bodies being adapted to have the material disposed between them for treatment, and means for impressing said electrical oscillations on said bodies.

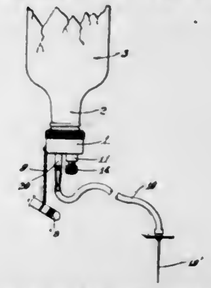
16. Apparatus for treating material infested with impurities of the type which have high dielectric losses when subjected to a high frequency field comprising a pair of treating bodies having a space therebetween adapted to receive said material for treatment, an electrical oscillation generator comprising a plurality of principal electrodes and a control electrode, a linear conductor projecting from said control electrode, a linear conductor substantially parallel thereto extending from one of said principal electrodes, and electrical connections from two points spaced apart on said linear conductors to two points spaced apart on said treating bodies, said electrical connections including at least one tuned circuit, tuned to frequency of the oscillations of said oscillation generator.

2,138,936

APPARATUS FOR INTRAVENOUS ADMINISTRATION OF FLUIDS

Arnold E. Osterberg, Rochester, Minn., assignor to The Chemical Foundation, Incorporated, a corporation of Delaware

Application January 15, 1936, Serial No. 59,185
3 Claims. (Cl. 128—214)



1. In an apparatus for the intravenous administration of fluids, a container and a closure therefor, said closure having a liquid outlet chamber and an air inlet chamber, the former terminating in a nozzle for hose connection and the latter adapted to house a valve; a bush fitted in said latter chamber, said bush having a cylindrical passage therethrough terminating at the inner end thereof in a conical bore opening into said container; said passage having at its outer end a threaded wall; a threaded valve-stem engaging said wall and having a conical tip at its inward end adapted to vary the opening through the bush and to close same; a head on said stem; an axial opening through said head extending partially through said stem, and a port connecting said opening with the interior of said bush.

2,138,937

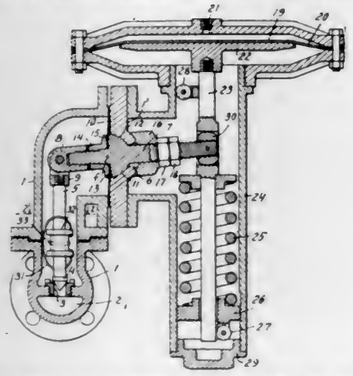
VALVE MECHANISM

Gregory A. Petroe, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia

Application June 11, 1936, Serial No. 84,675
4 Claims. (Cl. 74—519)

1. Apparatus of the type described comprising a member to be actuated, a lever, means connecting one end of said lever to said member, a housing enclosing said end of the lever, said housing having one wall thereof provided with a curved portion with a central opening therein through which said lever extends, a bearing element on said lever having a curved surface engaging the inner face of said

portion of the housing wall to provide a fulcrum mounting for said lever, guiding means carried by said lever and engaging the outer face of said portion of the housing wall, and a flexible dia-



phragm secured to said housing and to said lever at substantially the fulcrum point thereof for forming a fluid tight seal between the interior of the housing and said fulcrum mounting.

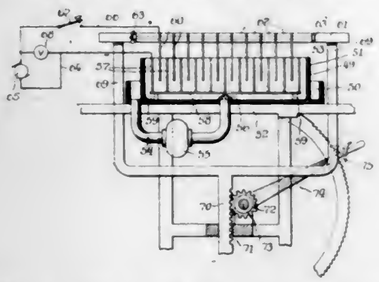
2,138,938

ELECTRICAL RESISTANCE AND PROCESS OF MAKING SAME

Alexander W. Plensler, Chicago, Ill., assignor to Resistelite Corporation, Chicago, Ill., a corporation of Illinois

Application November 1, 1933, Serial No. 696,166

6 Claims. (Cl. 201—76)



1. The process of making resistance elements which includes the steps of causing adherence between particles of graphite and an absorbent sheet, drying said sheet, depositing a graphite mass on a base by electrophoresis, combining said sheet and mass into a unit by transferring said mass from said base to said sheet, and mounting the combined mass and sheet on a dielectric base.

2,138,939

BOBBIN-CASE CONTROLLING DEVICE

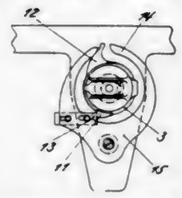
Hermann Pudelko, Bielefeld, Germany, assignor to Dürkoppwerke Aktiengesellschaft, Bielefeld, Germany

Application September 24, 1934, Serial No. 745,184

In Germany September 30, 1933

2 Claims. (Cl. 112—228)

1. A bobbin case controlling device for button hole and similar sewing machines, comprising in combination with a bobbin case, a two-armed escapement yoke pivotally mounted for rocking movement, a stop on each of the arms of said yoke, a pair of stops on the outer side of said bobbin case for alternately cooperating with the respective stops on said yoke, one of said pair of stops disposed between the center of said bobbin



case and the pivotal axis of said yoke, and the other of said pair of stops disposed above the center of the bobbin case.

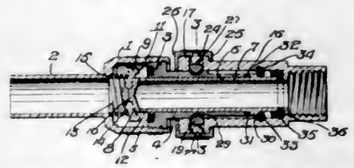
2,138,940

COUPLING

Herbert M. Robinson, Philadelphia, Pa., assignor to Reliable Machine Screw Sales Co., Inc., Newark, N. J., a corporation of New Jersey

Application April 23, 1936, Serial No. 75,947

3 Claims. (Cl. 284—19)



1. A coupling member adapted for telescopic co-action with a complementary member and comprising a hollow shell, fulcrumed detents mounted in said shell and movable toward and from the axis thereof, means normally biasing said detents away from the axis of said shell and means comprising a rotatable sleeve on said shell for moving said detents toward the axis of said shell by the rotation of said sleeve.

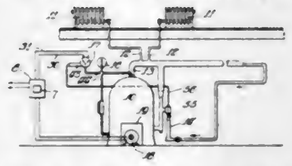
2,138,941

AUTOMATIC BOILER PRESSURE REGULATOR

Georges Roudanez, Chicago, Ill.

Application February 6, 1937, Serial No. 124,418

7 Claims. (Cl. 236—14)



4. In a heating plant, a boiler, means for heating the boiler, mechanism operable to control the amount of heat produced and thereby to vary the boiler pressure, a radiator, a supply line and a return line connecting the boiler and radiator, a circuit controlling the operation of said mechanism, apparatus for automatically varying the maximum boiler pressure in accordance with the temperature of the return line, said apparatus consisting of a circuit breaker comprising two members independently movable into and out of contact with each other to respectively open and close said circuit, means responsive to changes in boiler pressure arranged to actuate one of said members and a thermostatic element responsive to return line temperatures arranged to actuate the other of said members.

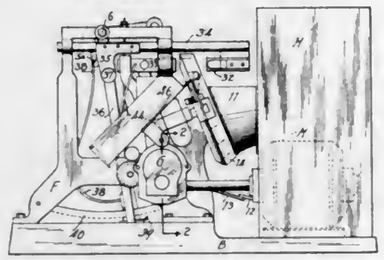
2,138,942

AUTOMATIC NUT CRACKING MACHINE

Henry F. Ruggles, Louisville, Ky.

Application May 2, 1935, Serial No. 19,362

6 Claims. (Cl. 146—12)



1. In a nut cracking machine, the combination with a conveyor having a series of nut receiving grooves, said conveyor being arranged for movement along a path having one section wherein the grooves face upward, and another section wherein they are inverted, of means for delivering nuts to the upwardly facing grooves, a nut retaining member extending along the open face of the inverted grooves and along which the nuts are successively rolled on their respective long axes by the face of the grooves whereby the nuts are maintained substantially in the proper longitudinal position required for cracking purposes, a stationary nut holder positioned at the end of its retaining member to receive nuts directly therefrom, means for moving the conveyor intermittently, cooperating nut cracking elements arranged at opposite ends of said nut holder for relative movement toward and away from each other respectively to crack and release a nut on said holder, and means for effecting relative nut cracking movement between said elements during intervals when said conveyor is stationary.

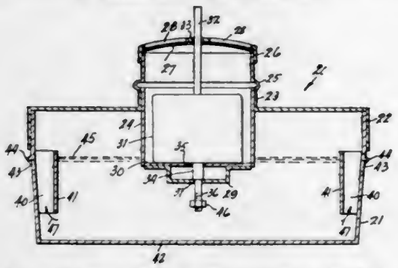
2,138,943

ALKALI SOLUTION DISPENSER FOR DISH WASHING MACHINES

Vincent J. Sinkwich, Brooklyn, N. Y., assignor of one-half to Raymond E. Marquis, New York, N. Y.

Application June 23, 1937, Serial No. 149,831

2 Claims. (Cl. 141—9)



1. An alkali solution dispensing device comprising a solution carrying receptacle having an outlet opening in the peripheral wall thereof, an open ended pocket carried by the said peripheral wall at the said opening and extending vertically within the receptacle with its open lower end spaced from the bottom of the receptacle and its open upper end extending above the opening, a top for said receptacle, a water admitting receptacle extending through said top into the solution carrying receptacle, the said water admitting receptacle having a valve opening formed in its bottom, a valve stem extending vertically in said water receptacle and through the said opening, and a float carried by said stem within the water receptacle for the purpose specified.

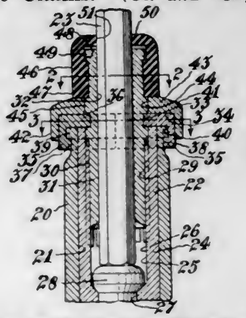
2,138,944

CHUCK MECHANISM FOR ROCK DRILLS

Fred M. Slater, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application September 11, 1937, Serial No. 163,444

9 Claims. (Cl. 121—31)



1. In a rock drill, the combination of a casing and a working implement, guide means in the casing for the working implement extending slidably into the front end of the casing, and elastic means to retain the guide means in the casing.

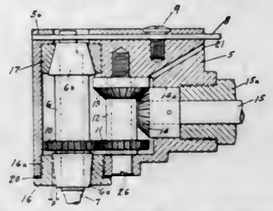
2,138,945

ANGLE HAND PIECE

Charles L. Stolte and Paul Brong, Portland, Oreg.

Application March 19, 1937, Serial No. 131,887

1 Claim. (Cl. 32—27)



In an angle hand piece, a housing member, a tool carrying spindle rotatable mounted within said housing, an angle gear drive for said spindle, an adjustable tapered lower bearing for said spindle tapered approximately 8⅓ degrees as specified and a fixed tapered upper bearing for said spindle having a taper exceeding the taper of the said lower bearing.

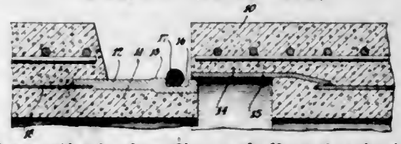
2,138,946

METHOD FOR SEALING PIPE JOINTS

William W. Trickey, Verona, N. J., assignor to Lock Joint Pipe Company, East Orange, N. J., a corporation of New Jersey

Application June 10, 1936, Serial No. 84,417

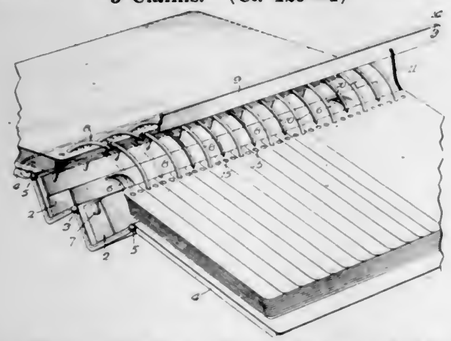
1 Claim. (Cl. 29—88.2)



The method of sealing a bell and spigot pipe joint which comprises the steps of mounting within a groove upon the exterior of the spigot

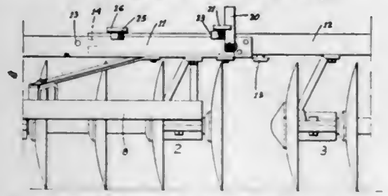
a gasket in the form of a ring of rubber or rubber-like material having a cross-section requiring deformation for its encasement within the joint to be formed, applying pressure inwardly upon the gasket throughout its circumference by the use of a circumferentially closed pilot ring and thereby changing the cross section of the material of the gasket against its inherent form-restorative property and causing reduction in its thickness and the entry of a greater portion of the gasket into the retaining groove upon the exterior of the spigot as the pressure is increased, continuing the application of pressure until contraction of the outer circumference of the gasket has progressed to at least the dimension the gasket will have when enclosed within the finished joint, and introducing the gasket within the bell of the joint by axially displacing the ring by the bell and thus substituting the inner surface of the bell for the inner surface of the pilot ring while maintaining the gasket in its deformed state as the joint is being closed.

2,138,947
TRANSFER FORK
Paul O. Unger, Elmhurst, Ill., assignor to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Application January 22, 1936, Serial No. 60,154
5 Claims. (Cl. 129—1)



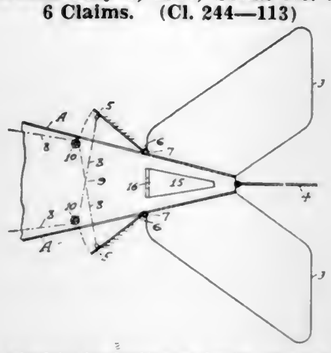
4. In combination with a loose leaf binder adapted to be maintained in a half opened position with a plurality of curved sheet retaining prongs in overlapping position, a transfer fork comprising a bar provided with a plurality of prongs of substantially the same curvature as said first mentioned prongs, said second mentioned prongs being secured to said bar in offset relationship thereto, whereby said second mentioned prongs can be inserted into the apertures of the sheets contained within said binder when said binder is in its half opened position.

2,138,948
WIDE SINGLE TRACTOR DISK HARROW
Frederick C. Warne, Mansfield, Ohio, assignor to Farm Tools, Inc., Mansfield, Ohio, a corporation of Indiana
Application October 20, 1936, Serial No. 106,517
11 Claims. (Cl. 55—81)



1. In a disk harrow, a sectionalized harrow unit comprising a main gang and an extension gang detachably connected together, the connecting means comprising a substantially horizontally disposed pin on one gang frame, a substantially vertically disposed notch formed in the other gang frame, a substantially horizontally disposed notch formed in the first named frame and a headed pin mounted substantially vertically on the second named frame, the pins being adapted to project into the notches when the gangs are connected in operative relation.

2,138,949
FLIGHT RETARDER FOR AIRSHIPS
Fred Weidman, Detroit, Mich.
Application May 8, 1937, Serial No. 141,462
6 Claims. (Cl. 244—113)



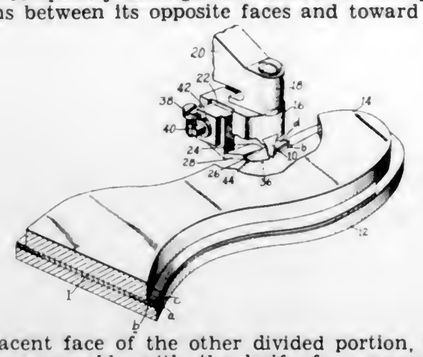
1. An airship including a body, means for propelling and sustaining the same, brake elements arranged on opposite sides of the body with their rear edges hinged thereto and their front edges free to move outwardly from and inwardly to a position flush with the sides of the body, upper and lower vent openings located between said brake elements and adapted to be closed by flaps hinged to said body by their forward edges, and auxiliary vent means located within said brake elements.

2,138,950
METHOD OF PRODUCING YARN
William Whitehead, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application March 16, 1937, Serial No. 131,185
2 Claims. (Cl. 117—21)

1. In a method of producing a balanced yarn by plying four ends of yarn together, the steps of twisting separately two ends in opposite directions equally and to more than 20 turns per inch, twisting separately two ends in opposite directions equally and to less than 20 turns per inch, plying the two ends of the same direction (direction A) with a direction A twist, plying the two ends of the opposite direction (direction B) with a direction B twist equal to the plying twist inserted in plying the direction A twisted end plus two times the amount of twist to be inserted in plying the two plied ends and plying the two plied ends with a direction A twist.

2,138,951
ROUNDING MACHINE
Frederic E. Bertrand, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application February 10, 1937, Serial No. 125,075
20 Claims. (Cl. 12—17)

1. In a machine for rounding one portion only of the divided edge of an article, a rounding knife movable about the article and arranged to cut completely through one of the divided portions between its opposite faces and toward the



adjacent face of the other divided portion, and means movable with the knife for preventing said knife from cutting said other divided portion.

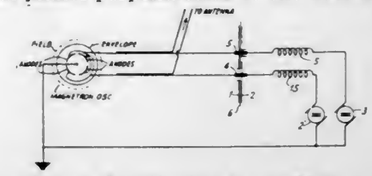
2,138,952
AUXILIARY WING FOR AIRCRAFT
Walter Blume, Brandenburg, (Havel), Germany, assignor of one-half to Arado Flugzeugwerke Gesellschaft mit beschrankter Haftung, Brandenburg, (Havel), Germany, a company of Germany
Application December 6, 1937, Serial No. 178,377
In Germany August 31, 1935
5 Claims. (Cl. 244—42)



1. In an aircraft, a body, main wings on opposite sides of said body each having a recess along its trailing edge, auxiliary wings one disposed at the rear of each main wing, means pivoted to the main and auxiliary wings to guide each of the auxiliary wings for movement from a position within such recess to two other positions, one spaced below the main wing in which the auxiliary wings can move in the same direction to act as a camber changing device and the other in which the front edges of the auxiliary wings are spaced behind the trailing edges of the main wings and the auxiliary wings can move in opposite directions to act as ailerons.

2,138,953
HIGH-FREQUENCY SYSTEM
Joachim Böhme, Berlin-Schoneberg, and Simon Link, Berlin-Charlottenburg, Germany, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application August 25, 1936, Serial No. 97,720
In Germany September 10, 1935
4 Claims. (Cl. 178—44)

1. In combination, in a high frequency system, a pair of Lecher wires, a condenser bridging said wires intermediate the ends of said wires and adjustable over the lengths thereof, the armatures of said condenser comprising metallic discs having connected thereto two substantially cylindrical metallic tubes insulated from one another, each of said tubes surrounding a portion of one wire of said pair, said discs having their longitudinal planes perpendicular to the Lecher wires,



said condenser, functioning as a reflector cooperating with said Lecher wires to tune same.

2,138,954
MANUFACTURE OF ARTIFICIAL SILK HOSE
Aleidus G. Bouhuys, Enka, N. C., assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
Application October 16, 1936, Serial No. 106,035
3 Claims. (Cl. 66—178)



1. A process of producing knitted hose from viscose thread which, when so formed, presents a glittering effect similar to that presented by a knitted natural silk hose which comprises extruding a viscose solution containing a delustering material to produce delustered filaments, passing the filaments through a coagulating bath, extruding a normal viscose solution to produce lustrous filaments, passing said filaments through the same coagulating bath, stretching the respective filaments from a common source and propelling the filaments to a point of collection, twisting the said filaments together 3 to 5 turns per inch, knitting the composite thread into hose so that lustrous portions of the thread occur which are of such size and so spaced that a glittering effect and a degree of luster similar to that of knitted natural silk hose is presented.

2,138,955
FOOTWEAR
Edwin Calvin, Akron, Ohio
Application April 21, 1937, Serial No. 138,204
1 Claim. (Cl. 36—8.5)



Footwear comprising an upper and an insole, and a rubber out-sole attached thereto, said out-sole comprising an integral one-piece molded construction formed with a raised mound-like arch-supporting formation thereon at the top of the sole and at the inside margin of the shank, said sole being formed with a marginal recess at the inside margin of the shank on the bottom thereof directly beneath said arch-supporting formation, whereby the inside edge of the shank is substantially uniform in thickness with the rest of the sole, said sole being stitched to said upper about the marginal portion thereof by a line of stitches extending into said marginal recess, said stitches in said recess serving to hold the arch-supporting formation up into the bottom of the footwear and support the insole over said arch-supporting formation.

2,138,956

CLOSURE FOR COLLAPSIBLE TUBES

Frank Coleman, Jr., Toronto, Ontario, Canada

Application December 8, 1937, Serial No. 178,677
7 Claims. (Cl. 221—60)



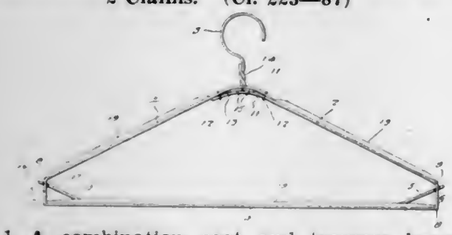
1. A closure for a collapsible tube, comprising a neck having a circular bore therethrough, a circular closure member slidably mounted in said bore, said closure member being chambered inwardly from its rear end to leave a front wall, said front wall having an elongated rectangular orifice therethrough diametrically disposed, a flat sided tongue of a uniform cross section corresponding to said orifice, said tongue being diametrically disposed in the neck and forwardly extending through the chamber of the closure member with its forward end normally fitting in the orifice of the front wall, a pair of radially directed lugs integral with the rear of the tongue and rigidly connected with the neck, and a spring normally retaining the closure member in closed position against said lugs.

2,138,957

GARMENT HANGER

Jefferson M. Collins, Richmond, Va.

Application February 28, 1938, Serial No. 193,156
2 Claims. (Cl. 223—87)



1. A combination coat and trousers hanger comprising a pair of upper bars inclining downwardly and oppositely from the center of the hanger, a lower bar, and end portions connecting the lower bar to the outer ends of the upper bars, respectively, said bars and portions being formed of a single strip of cardboard having its ends connected together, said end portions each having a bayonet slot in the upper end thereof and the lower bar having a pair of locking fingers cut out of opposite ends thereof to incline upwardly toward said slots, said fingers having T-shaped heads for coaction with edges of said slots to interlock with said end portions and prevent the latter from swinging on said bars.

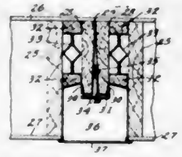
2,138,958

PREFABRICATED BUILDING CONSTRUCTION

Harvey Wiley Corbett, New York, N. Y., and Henry Hasenburger, East Orange, N. J., assignors to Prebilt Housing Corporation, Columbus, Ohio, a corporation of Ohio

Application September 28, 1934, Serial No. 745,958
Renewed April 21, 1937
9 Claims. (Cl. 189—1)

1. In prefabricated building construction, a plurality of substantially rectangular, load-sustaining wall units, adjoining extensions formed with the vertical edges of each of said wall units, said extensions possessing a width less than that of the thickness of said wall units, fastening appliances engaging said extensions and a longitudinally extending locking member to secure said wall units in assembled relationship, said fastening appliances being accessible from the



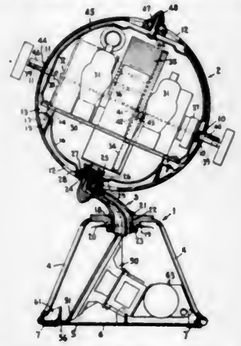
exterior of said wall units, and a removable strip connected with the outer portions of said wall extensions for concealing said fastening means, said fastening means and said extensions defining a spacious chamber with said outer removable strip and the adjoining wall units.

2,138,959

CABINET CONSTRUCTION FOR RADIO RECEIVERS

Fulton Cutting and Howard A. Gates, Buffalo, N. Y., assignors to Colonial Radio Corporation, Buffalo, N. Y., a corporation of New York

Application March 13, 1934, Serial No. 715,291
3 Claims. (Cl. 250—14)



1. In radio receiving apparatus, in combination, a hollow base, a tubular support mounted on said base, a cup-like member mounted for rotation on said tubular support, radio receiving apparatus disposed on a plate secured to said cup-like member for rotation therewith, a generally arcuate brace secured to said plate and extending upwardly therefrom, a second cup-like member engaging said first cup-like member, and forming therewith a complete enclosure for said radio receiving apparatus, means carried by said brace for securing said second cup-like member in position, and controls for said receiving apparatus extending exteriorly of the enclosure and independently operable irrespective of the rotation of said enclosure.

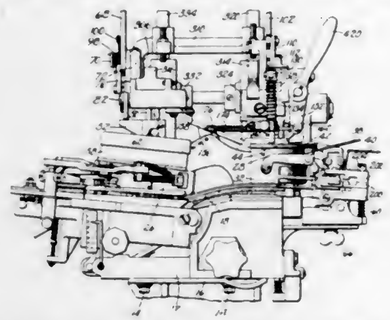
2,138,960

APPARATUS FOR APPLYING SOLES TO SHOES

Sidney J. Finn, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application November 13, 1936, Serial No. 110,713
11 Claims. (Cl. 12—33)

1. In a sole attaching apparatus, a press pad adapted to support a lasted shoe, power operated pressure mechanism for pressing the shoe upon the pad, a welt holddown adapted to be fitted into the welt crease of the shoe, and a manually operated pressure device adapted to be moved into



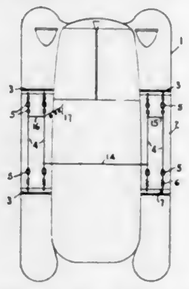
engagement with said holddown to press the latter upon the sole extension of the shoe.

2,138,961

MOTOR VEHICLE ANTENNA SYSTEM

Henry C. Forbes, Buffalo, N. Y., assignor to Colonial Radio Corporation, Buffalo, N. Y., a corporation of New York

Application November 22, 1934, Serial No. 754,213
Renewed May 6, 1938
9 Claims. (Cl. 250—33)



1. The combination with an automotive vehicle, of an antenna system mounted below the level of the frame, comprising support brackets extending transversely of the vehicle and spaced longitudinally thereof, and having hook receiving holes, and a plurality of flexible antenna conductors terminating in hooks engaging in said holes, and insulated from the vehicle, said brackets being so mounted that the conductors are disposed under said running boards.

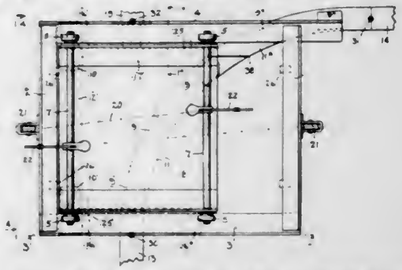
2,138,962

SWITCH

James B. Forker, Jr., Cleveland, Ohio, assignor by mesne assignments, to The Cleveland Crane and Engineering Company, Wickliffe, Ohio, a corporation of Ohio

Application October 2, 1934, Serial No. 746,546
11 Claims. (Cl. 104—102)

1. In an overhead conveyor system a plurality of switches, each adapted to give either a straight run or a turn, said switches each having three supports in right triangular arrangement, a common means for carrying in alignment the supports defining one leg of the triangle of each switch, each support in such alignment and not at the ends thereof being common to two switches, said aligned supports being in the line of the straight track relation of said switches, the third support of each switch being carried by means parallel to said above-named "common means",



said third support in each switch supporting an end of the turn.

2,138,963

LEVEL COMPENSATOR FOR TELEGRAPH SYSTEMS

Danforth King Gannett, Jackson Heights, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York

Application January 21, 1937, Serial No. 121,654
4 Claims. (Cl. 178—88)



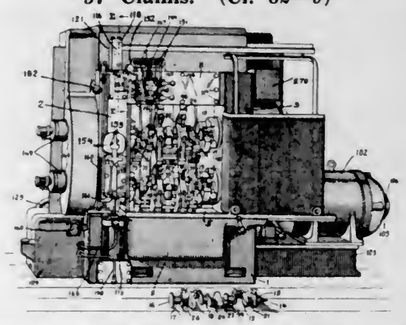
1. In a carrier telegraph receiving circuit including a grid-controlled vacuum tube detector normally with a fixed negative bias on the grid for detecting the telegraph signals and a telegraph relay controlled by the detected waves, means for reducing distortion including telegraph bias in said circuit with changes in the level of the received signals, said means being effective to superpose a variable bias on said fixed bias and comprising a condenser for storing a voltage charge substantially equal to the instantaneous peak value of the received signals, and means for applying a predetermined portion less than the whole of the stored voltage charge to the grid of said detector in such a direction that said applied portion supplements the normal negative bias of the grid.

2,138,964

ORBITAL LATHE

William F. Groene, Cincinnati, Ohio, assignor to R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware

Application January 26, 1937, Serial No. 122,349
57 Claims. (Cl. 82—9)



1. In a lathe, means for chucking and rotating a plurality of work pieces from the ends thereof,

steady rest means for supporting said work pieces intermediate said chucking and rotating means, and tool feeding devices arranged between said chucking and rotating means and between said steady rest means for feeding appropriate cutting tools relative to said work pieces.

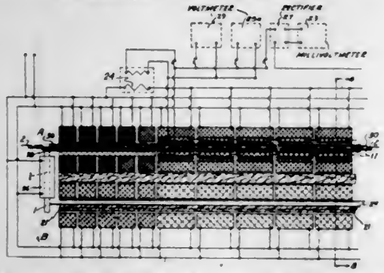
2,138,965

METHOD FOR MEASURING THE MAGNETIC PROPERTIES OF METAL SHAPES OF COMMERCIAL SIZES AND APPARATUS THEREFOR

Daniel T. Gundersen, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio

Application August 17, 1933, Serial No. 685,655

6 Claims. (Cl. 175—183)



1. An apparatus for determining the core loss and permeability of metal sheets, comprising a coil having a primary winding, a secondary winding, and a compensation winding, end pieces positioned at the end of said coil so as to contact a sheet placed in the coil, windings on said end pieces connected in parallel with the primary windings of the coil, a number of secondary windings placed within the test section of the main coil and connected in series, a compensation winding placed within the test section of the main coil and connected in series with the secondary winding, but in opposite inductive relation thereto, a yoke connecting the ends of the end pieces together, a watt meter in series with the primary winding of the test section, said watt meter and a voltmeter shunted across the secondary winding and the compensation winding so that the core loss of said sheet may be determined, a rectifier and a millivoltmeter shunted across the compensation winding so that the permeability of a sheet placed in said coil may be determined by the reading of the millivoltmeter.

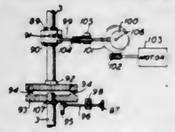
2,138,966

RADIO COMPASS SYSTEM

Gilbert Mark Hafner, Chicago, Ill., assignor to American Telephone and Telegraph Company, a corporation of New York

Application April 12, 1937, Serial No. 136,431

6 Claims. (Cl. 250—11)



6. In a direction finding system including a rotatable loop antenna, motor driven means for wagging the loop antenna through an angular displacement and means comprising a plurality of clutch plates at least one of which is longitudinally movable, for adjusting the extent of the wagging motion, said means being adjusted so that the width of the arc of null receptivity of said antenna as ascertained for the particular signal being received and the extent of the wagging motion are substantially equal.

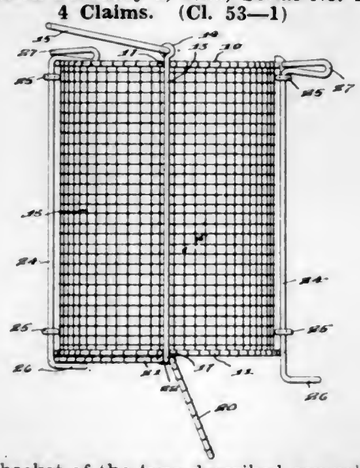
2,138,967

COOKING BASKET

Roy T. Harris, Syracuse, N. Y., assignor of one-half to Ralph D. Rownd, Syracuse, N. Y.

Application February 1, 1938, Serial No. 188,122

4 Claims. (Cl. 53—1)



1. A basket of the type described comprising a cylindrical portion open at the ends, a supporting member extending diametrically across the bottom end and being secured to said cylindrical portion, a semi-circular bottom section arranged on each side of said supporting member and being hinged thereto, means carried by the cylindrical portion and being operable to maintain said bottom sections in closed position and being operable to separately release said bottom sections.

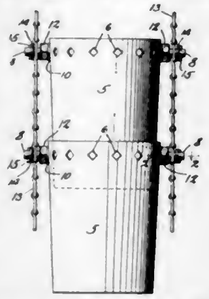
2,138,968

SPOUT SECTION

Ole J. Hatteberg, Elliott, Ill.

Application February 20, 1937, Serial No. 126,908

1 Claim. (Cl. 193—30)



A delivery spout comprising a plurality of telescoping spout sections, each section having a circular line of square openings formed near the upper edge thereof, bolts having square portions fitted in certain of the square openings, certain bolts having threaded portions, nuts on the threaded portions of the bolts and adapted to secure the bolts in position within the openings, chains fitted over the bolts of adjacent sections pivotally connecting the sections, and means for securing the chains to the bolts.

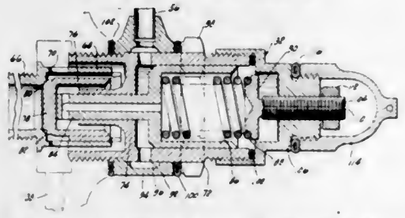
2,138,969

OIL PRESSURE RELIEF VALVE FOR INTERNAL COMBUSTION ENGINES

Leonard S. Hobbs, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application May 26, 1936, Serial No. 81,849

16 Claims. (Cl. 184—6)



1. In a fluid pressure system having a source of fluid pressure for supplying fluid under pressure to all parts of said system, a pressure relief valve actuated by the fluid pressure at one selected point in said system for maintaining the fluid pressure in said system constant at a predetermined value, and means for controlling said valve according to the fluid pressure at other selected points in said system.

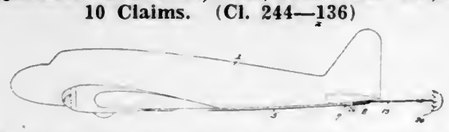
2,138,970

GASOLINE DUMP DEVICE FOR AIRPLANES

Fred Alvin Jones, Newark, N. J.

Application March 10, 1938, Serial No. 195,148

10 Claims. (Cl. 244—136)



1. In combination with an airplane having a fuel tank, a feeder tube connected to said tank, a dump valve between said tank and tube, a casing adjacent the airplane tail connected to the opposite end of said feeder tube, fuel tubing connected with said feeder tube housed in said casing, and means operable from the pilot's seat whereby the fuel tubing may be ejected from said casing.

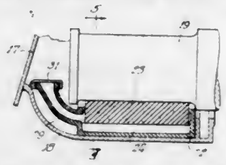
2,138,971

LUBRICATOR FOR RAILWAY CAR JOURNALS

Burrell A. Keeler, Chicago, and William W. Knight, Cicero, Ill.

Application May 22, 1935, Serial No. 22,792

14 Claims. (Cl. 308—87)



1. In a railway journal box, a flexible and removable inner box forming a reservoir for oil and lubricating means within said inner box for raising the oil by capillary attraction and applying it to a journal, said inner box having a flexible top having a longitudinally extending hole formed therein and said lubricating means including an applicator extending through said hole and having lateral extensions beyond said hole and under said top whereby said applicator is anchored in said box.

2,138,972

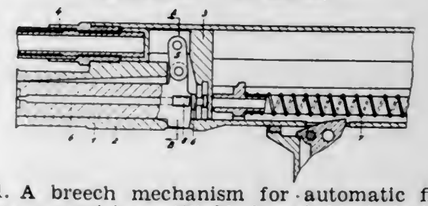
BREECH MECHANISM

Hans Lauf, Berlin-Charlottenburg, Germany, assignor to Knorr-Bremse Aktiengesellschaft, Berlin-Lichtenberg, Germany

Application September 16, 1936, Serial No. 101,161

In Germany September 19, 1935

6 Claims. (Cl. 42—3)



1. A breech mechanism for automatic firearms, comprising a tiltable breech block, locking means on said block, a spring-controlled slide, a common casing containing said block and slide, a rod connected to said slide, said rod controlling said slide in response to gas pressure, joint means between said breech and slide for converting the rearward motion of said slide into a lifting motion of the breech block to release said locking means, a firing pin within said breech block, said pin being connected to said slide, the motion of the slide starting the withdrawal of said firing pin before lifting said block, said joint means comprising pivotal connections on said slide and on said breech, the upper fulcrum of said means being situated before the lower fulcrum thereof in its forward position when said breech block is in locking position, second locking means adapted to catch said block behind a releasing mechanism in the rearward position of said block, and groove means on said slide for receiving and guiding the head of the firing pin on the longitudinal axis of said pin.

2,138,973

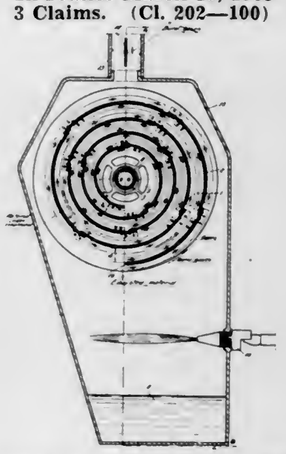
CONTINUOUS DISTILLATION FURNACE

Edouard Georges Marie Romain Legé, Paris, France

Application March 12, 1936, Serial No. 68,528

In France March 19, 1935

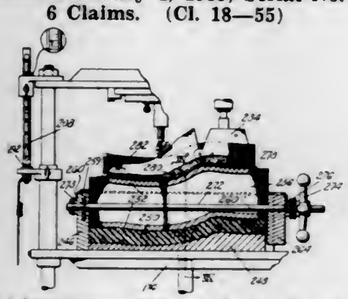
3 Claims. (Cl. 202—100)



1. A furnace for the continuous distillation of solid distillable material comprising a casing, two vertical parallel metal walls supported in and by said casing and adapted to rotate round a horizontal axis, at least one metal sheet being spirally wound round said axis with the edges thereof attached to said walls to form with said walls a

spiral shaped channel, means in the casing for producing hot gases heating said channel, means for feeding distillable material into the central extremity of said channel, and separate means for removing the distilled gases out of the central extremity of said channel.

2,138,974
METHOD OF MAKING INNER MOLDS FOR SHOES
Clifford K. MacDonald, Brockton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application February 4, 1935, Serial No. 4,740
6 Claims. (Cl. 18—55)



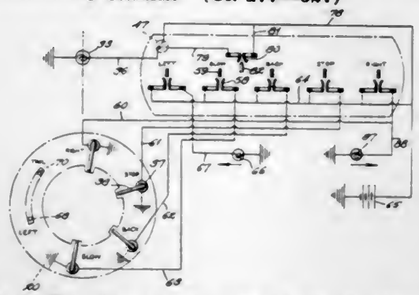
1. That improvement in methods of making inner molds for shoes which comprises locating a molding member at a predetermined angle to a plane of reference, said member having a molding surface thereon which is an exact reproduction of the bottom surface of a foot when the foot is expanded under the weight of the body, locating a second molding member in a predetermined relation to the first, placing plastic material between said molding members, and forcing one of said molding members toward the other while so located and thereby molding said plastic material to a shape appropriate for supporting a foot, the proper weight bearing position of which is the same as the position in which the first-mentioned molding member is located relatively to the plane of reference.

2,138,975
SURGICAL SPLINT
Joseph Malik, Cicero, Ill.
Application February 11, 1938, Serial No. 190,063
2 Claims. (Cl. 128—88)



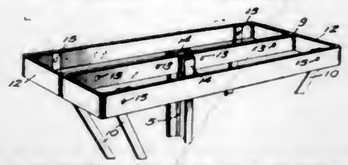
1. A surgical splint comprising a plurality of board-like sections, thin plates connected to the end edges of the intermediate sections and a thin plate connected to the inner end edge of each outer section, said plates having rolled portions at one side edge projecting from one face of the splint, with the rolled parts of one plate fitting between the rolled part of an adjacent plate, removable hinge pins passing through the rolled portion, the adjacent ends of the sections being rabbeted at the front face of the splints, and the plates having rolled portions at their front side edges which are located in the rabbeted portions, whereby said rolled portions will not project from the front face of the splint, the last-mentioned rolled portion of one plate fitting between the similar rolled portion of an adjacent plate and removable pins passing through the last-mentioned rolled portion for locking the sections in aligned position to form the splint, some of the pins being removed when the sections are to be folded one upon another.

2,138,976
DIRECTION SIGNAL
George W. Mason, Long Beach, Calif.
Application July 14, 1937, Serial No. 153,597
3 Claims. (Cl. 177—327)



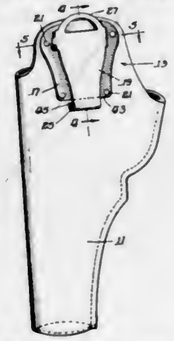
3. A direction signal comprising a revoluble signal cylinder having direction legends thereon, a plurality of electrically operated stop means, a stop on the cylinder engageable with selected ones of the stop means to halt rotation of the cylinder to display a predetermined legend, circuits for the stop means, manually operable push rods corresponding to respective ones of the circuits, a circuit closer connected to and operated by each push rod for closing the circuit of a selected one of the stop means to stop rotation of the cylinder when a respective push rod is depressed, an air motor connected to the cylinder for revolving the cylinder, a suction pipe connected to the air motor for actuating the motor, a valve in said pipe, means connecting the valve to the push rods for opening the valve to start rotation of the cylinder prior to actuation of said circuit closers when a selected push rod is depressed, means for locking the push rods in set position, releasing means for the push rods, said cylinder being transparent, an electric light in the cylinder for illuminating the legends, a circuit for said light, and a circuit closer in the last named circuit connected to and operated by the push rod releasing means for closing the light circuit each time a selected push rod is depressed.

2,138,977
MAIL BOX MOUNTING
Max Mathews, Fairview, Mont.
Application July 30, 1936, Serial No. 93,497
2 Claims. (Cl. 248—146)



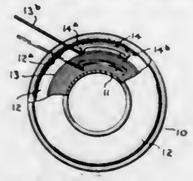
2. In a mounting for deposit and collection receptacles of the type characterized by a raised bottom and depending wall portions; a bracket comprising a head consisting of a pair of frames disposed along side one another and adapted to fit snugly within the confines of the depending wall portions of a receptacle of the type aforementioned, and to flatly contact the under-side of the raised bottom of such receptacle; the adjacent sides of said frames and intermediate the ends of the respective frames being complementarily formed to provide for said head an opening to receive one end of a supporting post; a supporting post-embracing clamp, and brace members secured at one end thereof to the frames and at a relatively opposite end to said clamp.

2,138,978
HOLSTER CLAMP
Rudolph Meine, Hinsdale, Ill.
Application November 5, 1936, Serial No. 109,429
2 Claims. (Cl. 224—2)



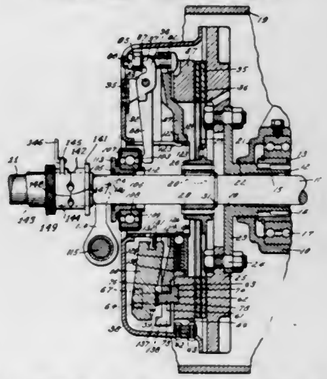
2. A clip for removably securing a sheath on a strap, comprising a pair of cooperating clip elements including a mounting plate adapted for attachment on the sheath, and an operating blade, said plate and blade having lugs extending laterally therefrom, a pin passing through said lugs to pivotally connect said plate and blade, a spring encircling the pin and having a portion pressing said blade and another portion pressing said plate, a guard projection extending from one of said elements toward the other and overlying the medial portions of said spring, additional guard projections extending from the other element and overlying the opposed ends of said spring, said spring normally urging the operating blade toward closed position on the mounting plate, and said operating blade having a hooked end portion providing a lip in position to extend in the plane of the plate in registration with an edge of said plate when the blade is in closed position thereon.

2,138,979
DISPENSING SPOOL FOR ADHESIVE TAPE OR THE LIKE
Loyd M. Mobley, Akron, Ohio
Application January 28, 1938, Serial No. 187,448
2 Claims. (Cl. 206—52)



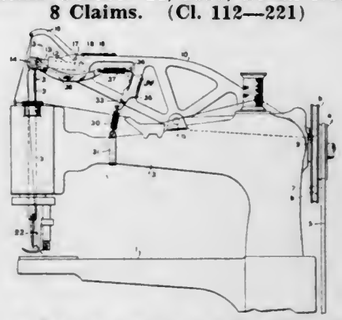
2. In a spool of adhesive tape or the like having side flanges between which the tape is wound, the combination of a cutting plate of substantial width loosely but snugly fitted between the flanges of the spool and riding on the tape, the outer edges of said flanges being inwardly directed to prevent displacement of the cutting plate from between the flanges, said cutting plate having an inwardly directed cutting edge at one side thereof and an inwardly directed fulcrum member adapted to be supported on the tape at the other side thereof, and said plate being free to move inwardly on the tape as the tape is unwound and used.

2,138,980
AUTOMATIC POWER TRANSMITTING MECHANISM
Joseph E. Padgett, Toledo, Ohio
Original application July 17, 1933, Serial No. 680,857. Divided and this application November 20, 1935, Serial No. 50,794
7 Claims. (Cl. 192—105)



1. In a clutch, a driving member, a driven member, centrifugally operable means associated with said driving member for bringing said driving and driven members into engagement when said driving member attains a predetermined speed, a cover member mounted on said driving member and axially spaced therefrom, said driving member and said cover having axially aligned apertures, the walls of said apertures forming bearing surfaces, a sleeve mounted for sliding axial movement in said apertures, and means operably connecting said centrifugally operable means to said sleeve.

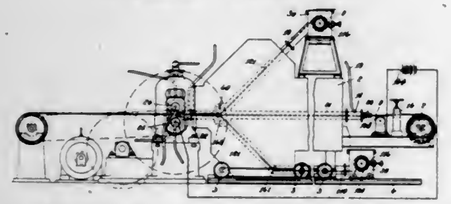
2,138,981
SLACK ELIMINATOR FOR SHOE PATCHING MACHINES
Nicholas Peters, deceased, late of Cleveland, Ohio, by Anna Lupsa Peters, administratrix, Cleveland, Ohio
Application October 14, 1937, Serial No. 168,924
8 Claims. (Cl. 112—221)



1. In a sewing machine of the type described having a rockable needle bar driving lever, a reciprocable needle bar, a piston, means pivotally connecting the outer end of the piston to the needle bar, and a sleeve on the end of the needle bar driving lever adjacent the needle bar

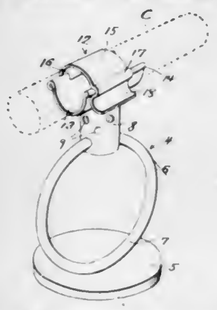
telescopically mounting said piston for axial reciprocating movement, a member connected at one end to said pivot means, a spring connected to the other end of said member operable to exert an axial force on the piston for urging the piston toward a telescoped position, a second spring anchored at one end and operably connected by its other end to the needle bar driving lever intermediate the said end of said lever and the rocking axis thereof for urging the said end of said lever downwardly in the direction of movement for the sewing stroke.

2,138,982
METHOD FOR PLATING METALS AND ALLOYS
Ulrich Raydt, Osnabruck, Germany
Application December 15, 1936, Serial No. 116,016
In Germany March 28, 1934
5 Claims. (Cl. 78—93)



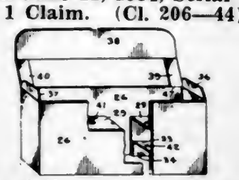
1. The method of plating a sheet of one metal with a sheet of another metal having a substantially different welding temperature from the first metal comprising, heating each of the sheets in non-oxidizing atmosphere to above the respective temperatures of rapid oxidation of the metals to substantially the temperatures most favorable for welding of the respective metals, pressing the sheets together while at said welding temperatures, and protecting the sheets against oxidation by maintaining them in non-oxidizing atmosphere before and during the pressing, whereby the sheets are integrally united by welding without interference of oxidation scale.

2,138,983
CIGARETTE HOLDER
James Rich, Jr., South Barre, Mass.
Application June 16, 1937, Serial No. 148,581
4 Claims. (Cl. 131—51)



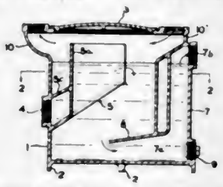
2. A device of the class described comprising a base, a ring secured to said base, a cylindrical mounting adjustably mounted on said ring and adapted to be adjusted laterally on said ring, spring actuated means in said mounting, said means including a pin grooved to said ring, and a spring adapted to exert a tension on said pin for holding said mounting adjustable on said ring.

2,138,984
COLLAPSIBLE CARTON
Harold E. Rounds, Great Neck, N. Y.
Application June 11, 1934, Serial No. 730,101
1 Claim. (Cl. 206—44)



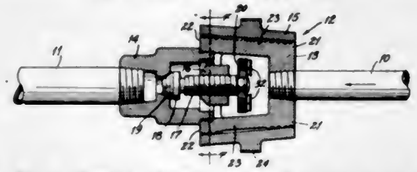
A package of the character described having a substantially rectangular tube-like portion, foldable perforated flaps above and below the same adapted to be folded therein to provide partitions within said tube, end flaps at the top of said tube, a piece of transparent material thereon, and a flap hinged to the top of said tube opposite said first mentioned flaps and over said transparency having a cut away portion through which the contents of said package can be seen through said transparent material.

2,138,985
GREASE SEPARATOR FOR SINKS AND THE LIKE
Lloyd L. Seestedt and Dan Ridge, Romulus, Mich., and Henry J. Luff, Cleveland Heights, Ohio, assignors to Henry W. Seestedt, doing business as Romulus Gray Iron Foundry, Romulus, Mich.
Application May 26, 1937, Serial No. 144,922
8 Claims. (Cl. 182—9)



1. A grease trap of the class described comprising a container providing a chamber with a lateral inlet, baffle means arranged within said chamber to direct flow from said inlet laterally and upwardly and to bound a substantial space wherein relative quiescence will be had, and generally horizontal baffle means disposed to provide flow to said outlet from the bottom portion only of said space and to bound the latter.

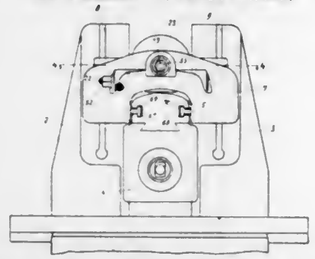
2,138,986
VALVE
Samuel G. Stuckey, St. Louis, Mo., assignor to Obear-Nester Glass Company, St. Louis, Mo., a corporation
Application June 27, 1935, Serial No. 28,593
15 Claims. (Cl. 277—57)



1. In a device of the kind described, a valve housing having an open portion, a valve adjustably mounted therein, a closure member frictionally mounted for quick removal on said housing to close the same, said removable closure member permitting ready access to the interior of the housing through the open portion, for adjusting the valve, and means within the housing disposed

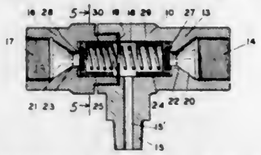
for impact by fluid passing through the device to effect in cooperation therewith when the closure is removed during active use of the device a warning that the said closure has been removed.

2,138,987
MACHINE TOOL AND THE LIKE
Richard Stuhlmacher, Siegmar in Saxony, Germany, assignor to Wanderer-Werke vorm. Winklhofer & Jaenicke Akt.-Ges., Schonau, near Chemnitz, Germany
Application August 30, 1935, Serial No. 38,638
In Germany September 3, 1934
11 Claims. (Cl. 90—20.5)



1. A machine tool, particularly a milling machine, comprising a machine standard, a working spindle, means for supporting the working spindle, an overarm, a one-part bracing member for supporting said overarm in a number of directions relative to said standard and embracing it from a number of sides, a tension member for fixing the overarm relative to the bracing member and the bracing member relative to the standard, a plurality of guide members for connecting the bracing member with the standard, and a plurality of wedge-like intermediate members cooperating with the tension member for fixing said guide members.

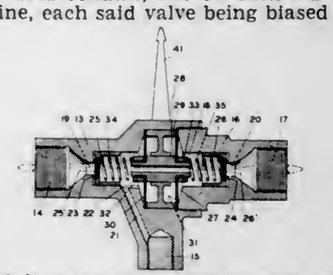
2,138,988
AUTOMATIC CHANGE-OVER DEVICE
Rosswell W. Thomas, Birmingham, Mich., assignor to Phillips Petroleum Company, a corporation of Delaware
Application September 14, 1937, Serial No. 163,841
6 Claims. (Cl. 62—1)



1. In a system for storing and utilizing high pressure fuel gas, the combination comprising a pair of containers for said gas, a conduit connecting said containers together, a consumer's service line connected to said conduit at a point intermediate said containers, a pair of valves in said conduit one on each side of said point, a spring acting upon each said valve for biasing said valve closed against pressure in said container, one of said valves having a greater bias than the other.

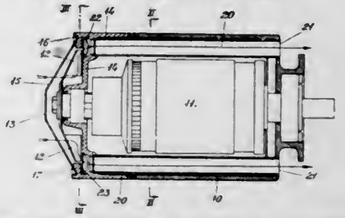
2,138,989
AUTOMATIC CHANGE-OVER DEVICE
Rosswell W. Thomas, Birmingham, and Charles MacSporran, Detroit, Mich., assignors to Phillips Petroleum Company, a corporation of Delaware
Application September 14, 1937, Serial No. 163,842
6 Claims. (Cl. 62—1)

1. In a system for storing and utilizing high pressure fuel gas, the combination comprising a pair of containers for said gas, a conduit connecting said containers together, a consumer's service line connected to said conduit, a pair of valves in said conduit, one on each side of said service line, each said valve being biased to close



said conduit against pressure in each said container, said valves openable by pressure in said containers, and means for varying the bias on each said valve so that whichever one said valve desired will present a greater resistance to gas flow than the other.

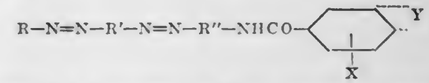
2,138,990
COOLING DEVICE FOR ELECTRIC GENERATORS
Georges Ernest Wagner, Saint-Etienne (Loire), France, assignor to "Ergavia S. A.", Lausanne, Switzerland, a corporation
Application January 6, 1937, Serial No. 119,360
In France February 14, 1936
2 Claims. (Cl. 171—252)



1. A dynamo-electric machine comprising a stator in an enclosed stator casing, a rotor, a fan carried by the rotor outside the stator casing, longitudinal cooling tubes traversing the stator, a pair of converging conduits connecting the periphery of the fan to each cooling tube, and means responsive to the flow of cooling air for closing one conduit and opening the other conduit of a pair according to the direction of rotation of the rotor.

2,138,991
AZO DYESTUFFS
Carl I. Anderson, Buffalo, and Ralph B. Payne, Elma, N. Y., assignors to National Aniline & Chemical Company, Incorporated, New York, N. Y.
No Drawing. Application September 3, 1936. Serial No. 99,268
19 Claims. (Cl. 260—169)

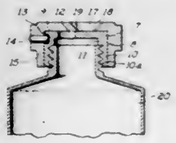
18. Compounds having the following general formula:



wherein R represents a hydroxyaryl carboxylic acid radical, R′ represents a diphenyl radical, R″ represents an aryl radical free from a hydroxyl group, to which the azo and amino groups are attached in the relatively para position, X

represents a member selected from the group consisting of hydrogen, halogen, an alkyl radical, and an alkoxy radical, and Y represents a member selected from the group consisting of a nitro group, an amino group, and a diazotized amino group having attached thereto the radical of an azo coupling component containing a sulfonated naphthalene nucleus and a free amino group.

2,138,992
CLOSURE FOR COLLAPSIBLE TUBES
Marie Baker, Salem, Oreg.
Application March 8, 1937, Serial No. 129,532
1 Claim. (Cl. 221—60)



A cap for collapsible tubes and the like having an externally threaded discharge neck, said cap comprising a cup-shaped inner member having an internally threaded cylindrical wall, whereby said inner member may be screwed on said neck, an aperture in the top of said inner member lying entirely to one side of the axis of said wall, a groove on the outer surface of said cylindrical wall perpendicuuar to its axis and extending part way around said surface, an outer cup-shaped member fitting over said inner member and rotatable thereon, an aperture in the top of said outer member lying entirely to one side of the axis of rotation of said outer member corresponding in size to the aperture in said inner member and adapted to be registrable therewith, a pin extending thru said outer member and engaging said groove of said inner member, whereby to hold said outer member on said inner member and permit limited rotation thereon, said openings in said outer and inner member being so arranged with respect to said pin and said groove that rotation of the outer member to its limit in one direction on said inner member will cause said openings to be in registration with each other while rotation to the limit in the opposite direction will cause said openings to be entirely out of registration with each other.

2,138,993
HANDLE FOR VARIOUS ARTICLES
Ralph C. Bangs, Providence, R. I., assignor to Coro-Gram, Inc., New York, N. Y., a corporation of New York
Application February 2, 1937, Serial No. 123,613
5 Claims. (Cl. 40—10)



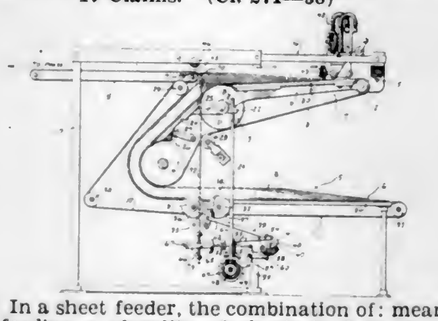
5. In combination, a handle formed of a relatively elastic moldable material, said handle having a recess in one side thereof and a hole in the opposite side thereof, said hole opening into said recess, the inner wall of said recess having a groove at its periphery, an initial member having a peripheral wall shaped to abut the vertical wall of said recess and substantially to fill said groove, said groove being an axial elongation of the longitudinal wall of said recess.

2,138,994
KEY HOLDER
Karl Bassler, Attleboro, Mass., assignor to American Jewelry Chain Company, a corporation of Rhode Island
Application March 25, 1937, Serial No. 132,996
11 Claims. (Cl. 70—459)



1. A key holder comprising a relatively stiff bar portion and a relatively bendable portion extending from one end of the bar and bent into loop form with its free end adjacent said bar, said free end being resilient and tending to spring outwardly when the loop is closed, and means shaped to resemble a prolongation of said free end of said bar and slidably mounted on said bar to detachably embrace said free end of the bendable portion and lock said loop in closed position.

2,138,995
SHEET FEEDER
Frank R. Belluche, Racine, Wis.
Application June 7, 1937, Serial No. 146,789
17 Claims. (Cl. 271—38)

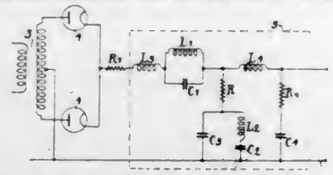


1. In a sheet feeder, the combination of: means for feeding a plurality of sheets in fanned-out relation to a predetermined position to form a fanned-out bank having a thick end and a thin end; means located at the thin end of the bank for separating and forwarding the topmost sheet rearwardly off of the thick end of the bank; means for conducting sheets so separated away from the bank to a press or other printing machine; and means for adjusting the elevation of the bank to maintain the top of the bank at the same elevation with respect to the last named means regardless of the thickness of the bank.

2,138,996
ELECTRICAL NETWORK
Alan Dower Blumlein, Ealing, London, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application August 12, 1936, Serial No. 95,540
In Great Britain August 12, 1935
20 Claims. (Cl. 178—44)

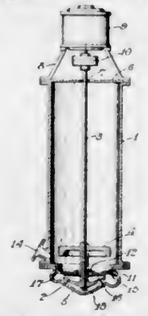
1. An apparatus adapted for the supply of electrical energy to a load which varies over a range

of frequency, comprising a source of direct current, and an L-type filter including a resonant circuit in the series arm arranged substantially to prevent currents of an undesirable frequency from reaching the load, a second resonant circuit in the shunt arm of the filter, said resonant cir-



cuits being made resonant to the undesired frequency, and means in said series and shunt circuits providing a substantially pure resistive impedance over a predetermined range of load current and over the range of frequency within which energy is to be supplied to said load.

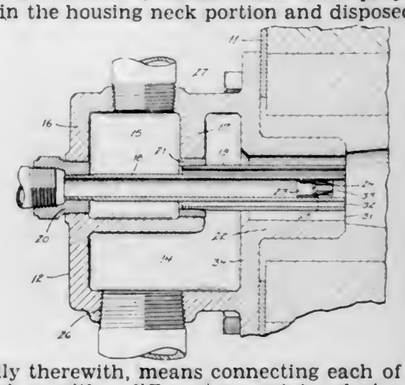
2,138,997
SUBMERGED CENTRIFUGAL PUMP
John J. Bradley, Cranford, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application April 23, 1937, Serial No. 138,568
2 Claims. (Cl. 103—103)



1. A submerged centrifugal pump comprising a rotatable shaft, a universal connection, a vortex plate, and a floating impeller characterized in that said impeller and shaft are assembled as a rotatable unit and suspended from said universal connection whereby said impeller is constrained to movement on the surface of a geometrical sphere having as its center said universal connection and further characterized in that said vortex plate has a central inlet opening surrounded by a surface which is adjacent to the suction side of said impeller and is developed on a spherical surface concentric with said geometrical sphere whereby the clearance between the vortex plate and the impeller remains constant irrespective of the relative lateral displacement of the vortex plate and impeller.

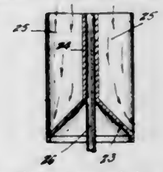
2,138,998
BURNER UNIT
John P. Brosius, Pittsburgh, Pa.
Application June 24, 1936, Serial No. 87,066
6 Claims. (Cl. 158—7)

1. The combination with a high temperature furnace having an opening formed in the wall thereof, a plurality of devices for pre-mixing air and gaseous or vapor fuel in proportion for substantially complete combustion, manual means for individually controlling the pressure at which the mixture is delivered from each of said devices, of a burner unit having a tubular neck portion insertible within the furnace opening and having a plurality of individual chambers formed therein, each of said chambers having a tubular extension of different cross-sectional area projected within the housing neck portion and disposed co-



axially therewith, means connecting each of said chambers with a different pre-mixing device, and flame retention means disposed co-axially within said neck portion and forming part of the central tubular extension.

2,138,999
VACUUM LIFT DEVICE
Wilmer W. Clark, Spokane, Wash.
Application June 30, 1937, Serial No. 151,277
1 Claim. (Cl. 170—156)



A vacuum lift device comprising a tubular hub, a disc surrounding the upper end of said hub and closing the upper end thereof, and radially curved blades extending radially from said hub and projecting radially beyond the periphery of the disc, a stationary plate under the blades and hub and constituting a barrier for lower ends of spaces between the blades.

2,139,000
SOLVENT EXTRACTION OF OLEFINES AND DIOLEFINES FROM PETROLEUM
Charles A. Cohen, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application March 27, 1934, Serial No. 717,573
9 Claims. (Cl. 260—170)

1. A process for the separation of olefines and diolefines from other hydrocarbons in a mixture substantially free from hydrocarbons of the acetylene series, which comprises the contacting of such a mixture with an ester of an inorganic oxygen-containing acid, separating the solvent, and recovering the olefines and diolefines from the separated solvent.

2,139,001
SCALP COOLING DEVICE
Blanche B. Cole, Chanute, Kans.
Application August 26, 1938, Serial No. 226,939
5 Claims. (Cl. 132—9)

1. In a scalp cooling device of the character

described, an applicator inter-connected by a flexible tube to a source of air and having an elongated narrow orifice between offset lips, whereby



when one of said lips is contacting the scalp the other of said lips will be spaced apart from the scalp to permit the flow of air therebetween.

2,139,002

PRODUCTION OF LITHARGE FROM LEAD AND SODIUM NITRATE

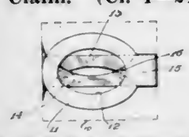
Robert M. Cole, Bryn Athyn, Pa.
No Drawing. Application May 23, 1936, Serial No. 81,508
4 Claims. (Cl. 23—146)

1. The process of producing litharge from lead and sodium nitrate which includes heating a batch of sodium nitrate in a vessel to substantially 415° C., then slowly adding molten lead to the fusion of sodium nitrate, agitating the fusion during addition of the lead and maintaining the temperature during the addition at substantially 415° C.

2,139,003

SANITARY SEAT COVER

Constantine D'Amato, New York, N. Y.
Application January 21, 1937, Serial No. 121,537
1 Claim. (Cl. 4—243)



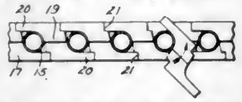
In a sanitary toilet-seat cover, a substantially oval-shaped seat covering member having a substantially oval-shaped, concentrically located opening, whereby an oval-shaped rim is formed, one outer end-edge of the rim being straight and parallel with the short centre axis of the member, an integral strip extending from the straight end-edge of the rim and being folded along that edge upon itself and against the rim portion adjacent to the outer straight end-edge, and depending from the inner edge of the rim, opposite the folded, straight outer end-edge, the strip being of sufficient length so that its free end reaches substantially beyond the inner edge portion of the rim which is diametrically opposite to that inner edge portion from which the strip depends.

2,139,004

FURNACE CONSTRUCTION

George W. Davey, Worcester, Mass.
Application July 28, 1937, Serial No. 156,058
9 Claims. (Cl. 122—6)

1. Furnace construction comprising a series of spaced parallel water tubes, and refractory blocks mounted on the water tubes, each block having a main body portion which substantially fills the space between two adjacent tubes, and two laterally projecting portions forming the inner and outer faces of the block, one of said projecting portions of each block being substantially in contact with the corresponding projecting portion of

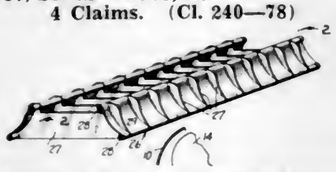


the laterally adjacent block, and one of said projecting portions on each block being offset laterally from the main body portion sufficiently to allow the block to be inserted between the tubes and then swung about one of the tubes, whereupon it may be slid along the tubes into its proper position.

2,139,005

LIGHTING FIXTURE SCREEN

Leroy C. Doane, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut
Original application March 25, 1936, Serial No. 70,816. Divided and this application November 23, 1937, Serial No. 176,050
4 Claims. (Cl. 240—78)

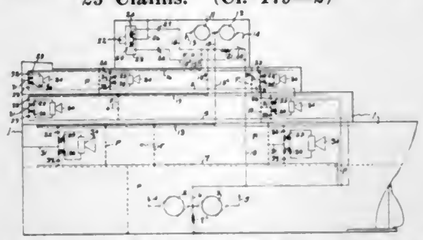


1. A screen for direct lighting fixtures comprising a plurality of spaced, vertically disposed, transverse plates, longitudinally extending tie rods passing through all the plates adjacent their ends, spacers about each of the tie rods, the spacers along one side edge supporting longitudinally extending downwardly and outwardly disposed side reflecting plates, the ends of the transverse plates projecting beyond the side plates.

2,139,006

PUBLIC ADDRESS SYSTEM

Irving F. Durst, Great Neck, and Semi Joseph Begun and Herbert Barnett, New York, N. Y., assignors, by mesne assignments, to Carll Tucker, New York, N. Y.
Application May 28, 1936, Serial No. 82,244
25 Claims. (Cl. 179—2)

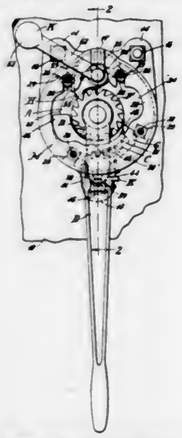


1. In a signaling system the combination comprising a pair of grounded networks, a grounded signal source coupled to said network for impressing a common signal current upon both of said networks, a plurality of signal responsive devices each connected between said networks and each having a pair of grounded coupling devices connected between said networks for supplying energy from the network to said signal responsive devices simultaneously over two paths or over either path during an open circuit or a short circuit on the other.

2,139,007

HAND BRAKE

William M. Dwyer, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application March 8, 1937, Serial No. 129,680
18 Claims. (Cl. 74—506)



1. In a hand brake mechanism, the combination with a rotary chain winding element; of an actuating lever having a long arm and a short arm, said short arm being fulcrumed for rocking movement about its outer end, said fulcrum being eccentric to the axis of rotation of the winding element; and means pivotally mounted on the other end of said short arm, operatively connecting said last named end of said short arm to the drum for rotating the latter, said means being bodily movable with the axis of pivotal connection thereof with said arm.

2,139,008

COATING COMPOSITION

George R. Ensminger, New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 6, 1936, Serial No. 94,635
5 Claims. (Cl. 134—79)

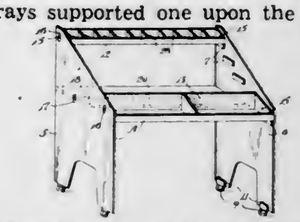
1. A pigmented coating composition, a dry film of which remains free from chalking and bronzing under prolonged exposure to atmospheric conditions, comprising cellulose nitrate, a polymerized organic derivative of acrylic acid selected from the class consisting of amides, amines, imines, and aliphatic, aromatic and alicyclic esters of acrylic acid, said cellulose nitrate being present in amount between one and two times the amount of the organic polymer present and a substantial amount of pigment which in such amount normally chalks or bronzes in a film consisting of cellulose nitrate.

2,139,009

SEED DISPLAY RACK

Wesley H. Ford and Lester G. Walton, Salt Lake City, Utah
Application April 8, 1937, Serial No. 135,688
2 Claims. (Cl. 211—128)

1. In a display stand and seed package holding device, the combination of ends carrying support brackets in step-like relation on the inner side of each end; partitioned support trays carrying stub bolts in each end thereof to pass through aligned holes in said ends to support the ends and make a solid stand; and interlocking partitioned trays supported one upon the other and

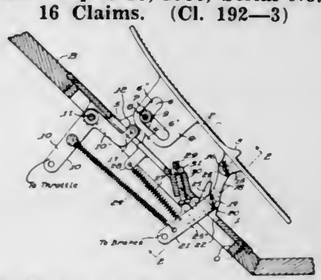


on the brackets to fill the space between the two support trays and complete the stand.

2,139,010

FOOT CONTROL DEVICE

James B. Franks, Jr., Philadelphia, Pa., assignor to Andrew R. McCown, Philadelphia, Pa., as trustee
Application April 16, 1936, Serial No. 74,726
16 Claims. (Cl. 192—3)

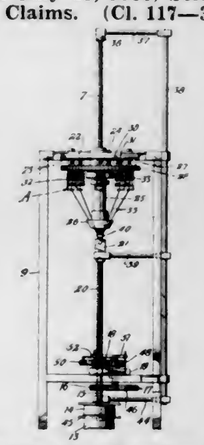


1. In a foot control device, a movable foot pedal, a lever pivoted adjacent the pedal and adapted for connection to a part to be actuated, movable means pivotally interconnected at one end with the pedal and at its opposite end adapted for connection to another part to be actuated and pivotally supported between said ends, means carried by the pedal for moving the lever when the pedal is moved pivotally about its connection with the movable means, and means cooperative therewith to maintain the movable means in fixed position during said pivotal movement of the pedal.

2,139,011

APPARATUS FOR PRODUCING STEEL CABLES

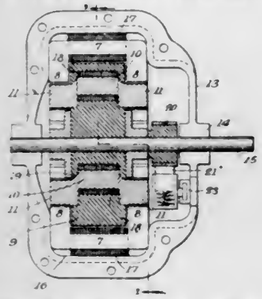
William H. Furness, Riverton, N. J., assignor to American Rayon Company, Inc., Riverton, N. J., a corporation of New Jersey
Application July 15, 1936, Serial No. 90,667
4 Claims. (Cl. 117—34.6)



1. In a machine for forming cables, a com-

bination of a feed or draw member, a revoluble member having a head, a plurality of spindles carried by the revoluble member and adapted to receive spools of wire, means providing a one-to-one drive as between the revoluble member and the spindles, and means on the head to receive the run of wire from the spools, said draw member being reciprocable on the axis of rotation of the revoluble member and the spindles being arranged around said axis.

2,139,012
ELECTRICAL MACHINE
George A. Gillen, New York, N. Y.
Application November 25, 1936, Serial No. 112,625
9 Claims. (Cl. 172—36)

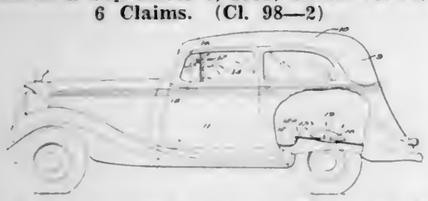


1. An electrical machine of the character disclosed comprising a rotor, bar magnets carried by said rotor and having segmental poles with arcuate outer faces in circular arrangement at the opposite sides of said rotor and a stator having U-shaped field magnets bridging said rotor and having arcuately curved poles overstanding the curved outer faces of said polar segments on the rotor.

2,139,013
PIGMENTS
Worthington T. Grace, Willoughby, and Albert H. Ristau, Cleveland, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 3, 1937, Serial No. 128,790
7 Claims. (Cl. 134—78)

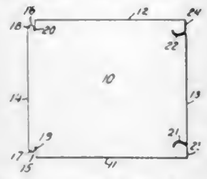
1. In a process for producing a leaded zinc oxide having improved pigment properties, the step comprising calcining a mixture of a leaded zinc oxide and an inorganic phosphatic substance in a furnace having a non-siliceous refractory lining.

2,139,014
VENTILATING MEANS FOR VEHICLE BODIES
James W. Greig, Grosse Pointe Park, Mich., assignor to Hudson Motor Car Company, Detroit, Mich., a corporation of Michigan
Application September 3, 1935, Serial No. 38,867
6 Claims. (Cl. 98—2)



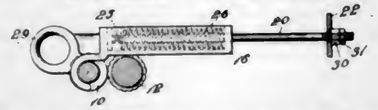
4. In an enclosed vehicle body, an air inlet having its opening to the atmosphere located in the floor of the vehicle beneath a seat thereof and out of the direct path of flow of the passing air during the forward travel of the vehicle, a filter covering said inlet opening, a window glass mounted in a door of the vehicle body forwardly of said inlet opening and at a point substantially higher than the same and adjustable into position to provide a ventilating air outlet and to create during the travel of the vehicle a partial vacuum within said body sufficient to induce solely by suction a unidirectional flow of air into the body through said inlet toward said outlet.

2,139,015
REVERSIBLE DUTCH LAP SHINGLE
Marston L. Hamlin, Lynbrook, N. Y., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Original application August 3, 1935, Serial No. 34,577. Divided and this application May 24, 1937, Serial No. 144,350
4 Claims. (Cl. 19—135)



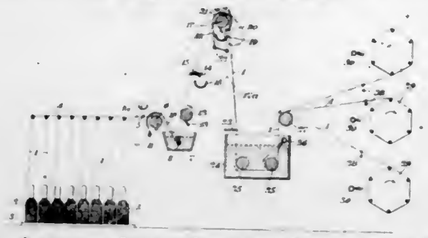
2. A reversible interlocking felt base shingle comprising a body portion of general rectangular shape having two longitudinal edges, either of which is adapted to be exposed to the weather, and transverse edges, said shingle being provided on one of said transverse edges with locking members extending toward but terminating inwardly of said longitudinal edges, the outer ends and inner sides of said locking members being defined by cutaway portions and inwardly directed substantially straight slots respectively, whereby the inner sides of said locking members are straight throughout substantially their entire length, the other transverse edge of said shingle being provided with locking openings extending inwardly therefrom and outwardly toward said longitudinal edges, said shingle being adapted to be laid in courses with other like shingles with the inner edge of one of said locking members interlocking with an inner edge of a locking opening of an adjacent shingle of the same course and with a locking opening of said shingle receiving a locking member of another adjacent shingle of the same course.

2,139,016
PRESSURE MECHANISM FOR DRAFTING APPARATUS
Thomas Harris, Providence, R. I., assignor to Harris Textile Machinery Corporation, a corporation of Rhode Island
Original application August 3, 1935, Serial No. 34,577. Divided and this application May 24, 1937, Serial No. 144,350
4 Claims. (Cl. 19—135)



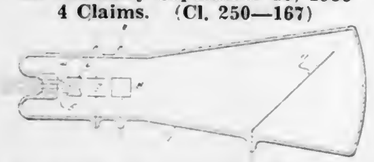
1. In a drafting apparatus having a frame and a pair of draft rolls supported thereon one of which is mounted for movement toward the other, a mechanism comprising a body member having an elongated recess therein, a hook-shaped finger extending downwardly and forwardly from said body member for engaging the movably mounted draft roll, resilient means in said recess for applying tension to the movably mounted draft roll, and a handle for moving said body member to compress the spring and relieve the roll of pressure.

2,139,017
PROCESS FOR PRODUCING FILAMENTS LIKE HORSEHAIR
Georges Heberlein, Wattwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y., a corporation of New York
Application February 16, 1934, Serial No. 711,471
3 Claims. (Cl. 8—118)



1. A process for producing stiff permanent filaments or threads from vegetable fibrous materials which comprises, passing previously mercerized vegetable threads in side-by-side spaced relation through a bath of sulfuric acid under conditions to parchmentize and swell the thread and removing the excess sulphuric acid from the threads as swollen while they are still in spaced relation, such removal of the sulphuric acid occurring by wiping but without flattening and deformation of the threads.

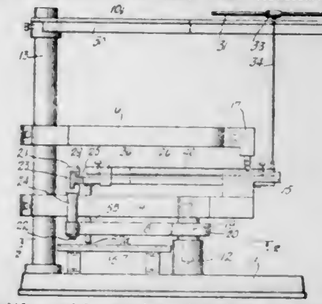
2,139,018
TELEVISION SCANNER CATHODE
Walter Heimann, Berlin-Tempelhof, Germany, assignor to the firm Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany
Application September 21, 1937, Serial No. 164,942
In Germany September 10, 1936
4 Claims. (Cl. 250—167)



1. The method of forming a photosensitive cathode which comprises depositing a silver mosaic upon an insulating plate, oxidizing said silver mosaic in a glow discharge in an atmosphere of rarefied oxygen at a pressure of the order of thousandths of a millimeter of mercury and then sensitizing the surface of said plate with an alkali metal.

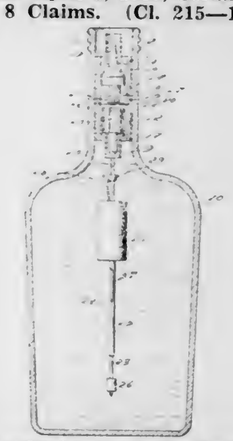
2,139,019
COMFORTER QUILTING MACHINE
Arnold Hiltbrunner, West Engelwood, N. J., assignor to National Sure-Fit Quilting Company, Inc., New York, N. Y., a corporation of New York
Application April 1, 1937, Serial No. 134,240
13 Claims. (Cl. 112—118)

1. An apparatus including a rail member movable longitudinally thereof, means supporting said member for movement at right angles to said path, said means comprising a pair of pivoted arms, means interconnecting said arms to cause them to swing about their pivots toward and away from each other at constantly equal angles with the rail member, the free ends of said arms having carriers pivotally connected thereto, said rail member being mounted on said carriers for said longitudinal movement, and a device connected to the rail member to move



therewith, said carriers having openings to permit said device to move past said carriers along said openings, whereby said device is movable only longitudinally of the rail member and at right angles thereto.

2,139,020
NONREFILLABLE BOTTLE
Ludwig A. Ihlein, Philadelphia, Pa.
Application April 6, 1938, Serial No. 200,382
8 Claims. (Cl. 215—17)

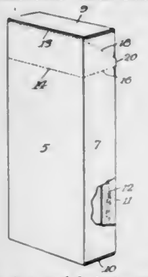


2. A non-refillable bottle mechanism, comprising a body portion, a delivery tube fixed within one end of said body portion, an inlet tube fixed within the inlet end of said body portion, a baffle between said tubes, a valve to close the inlet tube, means to permanently seat the valve in closed position when the liquid in the bottle has been dispensed, a vent tube in the body portion, extending into the liquid in the bottle and having an aperture, a float slidable on the vent tube and having means to control the vent aperture, a stop, and a catch carried by the float and locking with said stop to cause said float means to permanently close the vent aperture when the liquid in the bottle has been dispensed.

2,139,021
RECLOSABLE BOX
Edward W. Johnson, Chicago, Ill., assignor to Chicago Carton Company, Chicago, Ill., a corporation of Illinois
Application November 30, 1936, Serial No. 113,458
4 Claims. (Cl. 229—51)

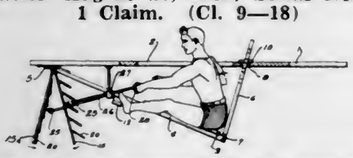
4. In a reclosable paper box which is of substantially rectangular form and normally sealed

closed, a line of scoring traversing the intermediate of three side walls of the box and located closely adjacent the corner of the box formed by said intermediate wall and an end wall of the box, a second line of scoring in said intermediate wall, spaced downwardly from said corner a distance approximating the dimension of the box between said intermediate wall and the opposite side wall of the box, said second line of scoring having end extensions traversing the two side



walls contiguous to said intermediate wall, and means connecting said score lines so as to facilitate removal of the portion of said intermediate wall between said score lines, thereby to provide a dispensing opening in said intermediate wall, the portion of said side wall opposite to such dispensing opening being foldable into position crosswise of the box substantially in the plane of said second score line to close the box, said end wall of the box being thereby incidently caused to overlap a portion of said intermediate wall.

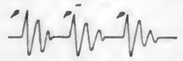
2,139,022
AQUATIC AMUSEMENT DEVICE
John G. Johnson, Tacoma, Wash.
Application August 28, 1936, Serial No. 98,343
1 Claim. (Cl. 9—18)



An aquatic amusement device comprising a substantially flat float board of dimensions adequate to suitably support its user, and having an opening therethrough at approximately a medial point, a bar pivotally attached to the under side of the float at its forward end and inclined downwardly and rearwardly therefrom, a seat on the rearward end portion of the said bar, a transverse foot rest on the upper portion and a rigid support pivotally fixed to the rearward end of the inclined bar and having adjustable connection with the float whereby to suspend the lower end of the bar and serving as a back rest for the user, and adapted to support the user with the upper portion of the body projecting through said float opening to a desired extent, propulsion devices operatively fixed to the float at its forward end, and means extending rearwardly therefrom and accessible to the person using the device for actuating the propulsion devices.

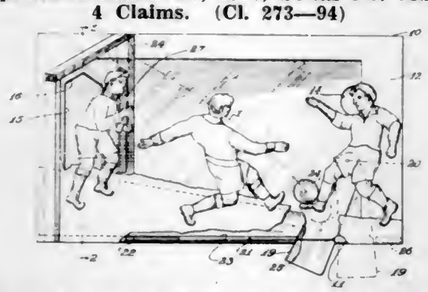
2,139,023
ELECTRICAL GENERATION OF MUSICAL TONES
Winston E. Kock, Cincinnati, Ohio, assignor to The Baldwin Company, Cincinnati, Ohio
Application August 23, 1935, Serial No. 37,547
16 Claims. (Cl. 84—1)

1. In an electrical musical instrument, a tone generator consisting of a source of current, a resistance and glow tube and an inductance and condenser connected in series across the glow tube, another circuit consisting of a source of current, a resistance and glow tube, and an in-



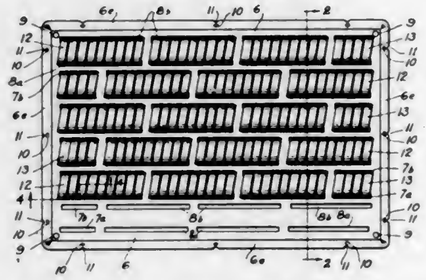
ductance and condenser in series across the glow tube, the output of the first named circuit being connected to the second named circuit and the output of the second named circuit being connected to an amplifier and sound producing means.

2,139,024
GAME DEVICE
Walter I. Kolm, New York, N. Y.
Application March 20, 1937, Serial No. 132,038
4 Claims. (Cl. 273—94)



1. In a portable game device, adapted to be operated while held in the user's hands, a substantially box-like, flat, light-weight structure made of sheet material and having closely spaced, front and rear members of equal peripheral dimensions, and spaced and joined together along their edges, the front member comprising a pictorial representation of a foot ball game scene, wherein portions of the player figures and parts of the scene are cut out from the material of the front member, a transparent sheet secured to the inner face of the front member and covering the cut out portions thereof, the rear member comprising a continuous sheet of material, a substantially wedge-shaped spacer provided at the lower edge of the device between the members, the bottom edge of the spacer being parallel with a portion of the bottom edge of the device, the upper edge of the spacer being inclined from one side of the device towards its opposite side and serving as return runway for a missile, a goal representation provided at the one side of the device in which the broader end of the spacer is located, a missile stop in the form of a bar, forming a part of the goal representation, extending from the inclined edge of the spacer towards the upper edge of the device, but being distanced from the latter edge to provide a passage for a missile, one of the player figures being animated and being disposed at the opposite end to that having the goal representation, the leg of that figure forming a missile propelling lever, operative between the front and rear members and pivotally associated with the latter, said lever extending through an opening provided in the bottom edge of the device, the lower end of the lever cooperating with the narrow end of the spacer, resilient means secured below the spacer and engaging said lever and normally urging the latter against the narrow end of the spacer, a back stop for the lever, provided at the corner of the device below the figure, for limiting the cocking movement of the lever preparatory to propelling a missile.

2,139,025
RESILIENT SAFETY MAT
William J. Lutey, Seattle, Wash.
Application July 10, 1937, Serial No. 152,966
5 Claims. (Cl. 20—78)



3. A safety mat comprising a base having a plurality of slot apertures arranged in a plurality of double rows, with a pair of shorter slot apertures at the opposite ends of adjacent said double rows, a plurality of elliptical spiral coils of resilient material wound upon the portions of said base between the apertures of said double rows, and means for securing the ends of said coils to said base.

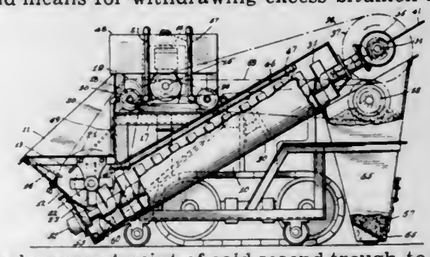
2,139,026
METHOD OF PREPARING CATALYST
George L. Matheson, Union, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 22, 1937, Serial No. 170,344
7 Claims. (Cl. 23—237)

1. The method of preparing a catalytic mass which comprises mixing the catalytic material with a small amount of a normally solid polycyclic hydrocarbon having a boiling point below the temperature at which the catalytic material fuses, molding the mixture into small compact masses, heating the compact masses to a temperature sufficient to boil off the normally solid hydrocarbon without leaving any decomposition products and boiling off substantially all the hydrocarbon.

7. The method of preparing a catalytic mass for use in the conversion of higher boiling hydrocarbons into lower boiling hydrocarbons, which comprises powdering an absorptive clay, mixing therewith from 1 to 20 parts by weight of naphthalene, moistening the mixture with about 20% of water, slugging the moistened mixture into pills of about 10 mm., regrinding the pills to about 10 mesh and then repilling into pills of about 4 mm., and boiling off substantially all of the naphthalene by heating the pills to a temperature of about 480° F.

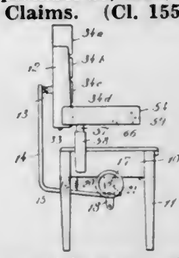
2,139,027
AGGREGATE COATING APPARATUS
Kenneth E. McConnaughay, Otterbein, Ind.
Application September 2, 1936, Serial No. 99,053
4 Claims. (Cl. 94—40)

1. Aggregate coating apparatus, comprising a generally horizontal trough arranged to discharge at one end, means for agitating and moving aggregate through said trough and discharging it from the discharge end thereof, a second trough positioned to receive aggregate discharged from said first trough and inclined upwardly, means for moving aggregate upwardly in said second trough, a plurality of bitumen discharge nozzles located at spaced intervals along said troughs to discharge upon aggregate therein; means for supplying bitumen in liquid form to said nozzles, and means for withdrawing excess bitumen from



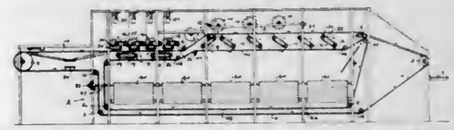
the lowermost point of said second trough to prevent any accumulation of bitumen therein.

2,139,028
SEAT
Elizabeth M. Mensendieck and Olav Utne, New York, N. Y.
Application September 29, 1937, Serial No. 166,268
12 Claims. (Cl. 155—28)



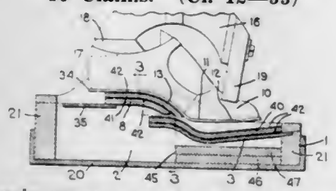
12. A chair comprising supporting means, a seat mounted on said supporting means, said seat having a pair of portions movable relative to the rest of the seat and having their upper surfaces concave, said movable portions being disposed in those parts of the seat which normally underlie the pelvis bones of an occupant of the chair, a back adjustable relative to the seat and including a frame member and a plurality of sections adjustably supported thereby, a pair of pivotally mounted arm rests mounted on the chair and movable vertically, and means for adjusting the position of the arm rests about their pivotal mounting.

2,139,029
HOP PICKING MACHINE
George E. Miller, Sacramento, Calif.
Application June 15, 1938, Serial No. 213,897
5 Claims. (Cl. 130—30)



1. A hop picking machine comprising a frame, a plurality of revolving drums mounted in the frame, a plurality of belts disposed below the drums, said belts and drums being provided with picking fingers, a carrier traveling lengthwise of the frame between the picking drums and belts, and means on the carrier for grasping one end of a hop vine and for pulling it through the machine between the picking drums and belts, said belts being inclined with their highest ends in the direction of travel of the carrier and vine, and being spaced apart in the direction of travel to permit the vine to drop each time it passes the high point of a picker belt, whereby the vine is spread out to permit thorough picking of the hops.

2,139,030
SOLE PRESS
George A. Mussells, Reading, Mass.
Application September 30, 1936, Serial No. 103,256
In Canada October 11, 1935
10 Claims. (Cl. 12—33)



1. A sole press comprising a skeleton frame, a plurality of sole-pressing members in the form of sheets of elastic material spanning the opening in the frame and extending across said opening, said sheets being secured to the sides of the frame, a pad of rubber of uniform thickness loosely resting on at least one of said sole-pressing members and against which the shoe sole has contact when the sole-attaching pressure is applied and shoe-positioning members for engaging yieldingly the sides of the shoe at points spaced from the sole thereby to maintain said shoe in position for the application thereto of the sole-attaching pressure.

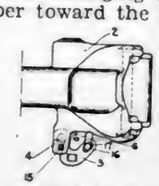
2,139,031
BOTTLE COLLAR
Leroy P. Neher, St. Louis, Mo.
Application December 19, 1936, Serial No. 116,702
5 Claims. (Cl. 40—4)



5. A bottle collar adapted to fit on the neck of a tapered neck bottle having a flange at the top thereof, comprising an elongated piece of flexible material, a section therein of rectangular shape defined by perforations between it and the remainder of the piece, the lower edge of the remainder being arcuate, means joining the ends of the piece together to form it into a portion of a cone, the lower edge of which is substantially in a plane and which is adapted to rest on the lower part of the bottle neck, the upper edge of the rectangular section adapted to extend up on the neck to a point the diameter of which is less than the diameter of the flange, and the upper edge of the remainder of the collar extending downwardly from the upper edge of the rectangular section toward the lower edge, whereby the linear extent of the upper edge is sufficient to permit the device to pass over the flange and rest on the tapered neck.

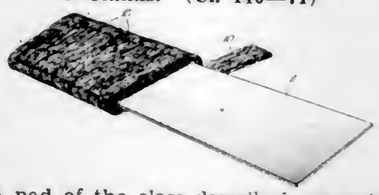
2,139,032
CAR COUPLER OPERATING MECHANISM
Charles W. Nicholas, Chicago, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware
Application April 5, 1937, Serial No. 134,940
2 Claims. (Cl. 213—167)

1. In a railway car coupler, a member swingably suspended from the coupler for transmitting operating movements thereto upon a swinging movement thereof away from the car, an operating rod engaging said swingable member so as to swing said member away from the car upon rotation of said operating rod, and a stop on the coupler to limit the swinging movement of the swingable member toward the car, said member



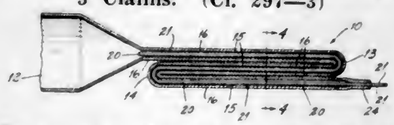
being loosely connected to the coupler lock so that when the member is in engagement with the stop the lock is relieved of the weight of the member and the operating rod.

2,139,033
PAD FOR PRESSING MACHINES AND METHOD OF PRODUCING SAME
Raymond E. Niemann, Chicago, Ill., assignor to James H. Rhodes & Company, Chicago, Ill., a corporation of Illinois
Application February 10, 1936, Serial No. 63,138
8 Claims. (Cl. 140—71)



1. A pad of the class described, comprising a body of filaments formed into a web, the latter being wound in convolute form, each of the convolutions comprising a series of layers or laminations, the filaments being matted and the intermingling of the filaments of adjacent layers or laminations serving to hold the layers or laminations together.

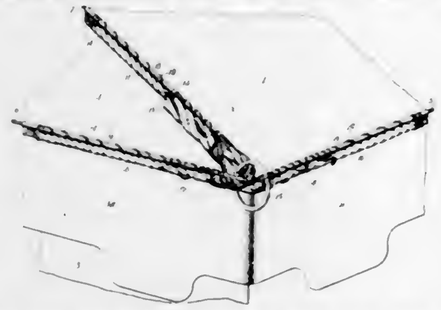
2,139,034
EXPANDING POWER MEANS
Lawrence M. Persons, St. Louis, Mo., assignor, by mesne asignments, to Automatic Control Corporation, St. Louis, Mo., a corporation of Delaware
Application July 16, 1936, Serial No. 90,955
3 Claims. (Cl. 297—3)



1. In a device of the kind described, a diaphragm comprising a section of tubing flattened and folded so that the folds contact throughout the full area of the flattened sides when collapsed, a thermally-sensitive fluid in the tubing, and a filler strip in said tubing to restrict the fluid space.

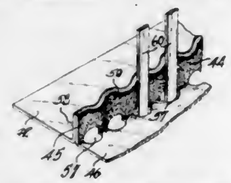
2,139,035
TENT CONSTRUCTION
Thomas Condit Powers, Upper Darby, Pa., assignor to Powers and Company, Philadelphia, Pa., a corporation of Delaware
Application September 21, 1937, Serial No. 164,838
5 Claims. (Cl. 135—15)

1. A tent construction comprising walls having intersecting edges, tent ropes sewn into folds at the edges and coextensive with the edges into which they are sewn, the said tent ropes having extensions at their ends, a ring at the intersection of said edges through which said extensions pass, a reinforcing rope laced to the said edges outside of said fold with the lacing surrounding the said tent ropes, said reinforcing



rope also extending through said ring, the extension of the first mentioned ropes being spliced into the reinforcing rope outside of the fold whereby strain on the ring will be taken by both ropes.

2,139,036
MATCH PACKET
Rodney Southwick Pullen, Akron, Ohio
Application November 26, 1935, Serial No. 51,595
17 Claims. (Cl. 206—29)

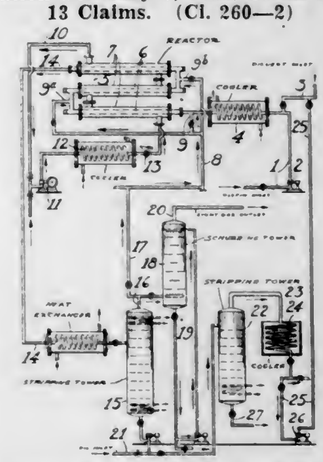


1. A match packet comprising a cover having two rows of match openings, bent along lines through the openings and between them to form a re-entrant spacer, ignition material on the outside faces of the spacer, two rows of matches, said matches passing through the openings, and corrugated material beyond the spacer toward the match heads, between the matches and having the matches laterally impressed into the corrugated material, whereby closeness of engagement of the corrugated material with the matches affords retardation to initial match movement.

2,139,037
SULPHURIC ACID DERIVATIVES OF ORGANIC ACID AMIDES
Erich Rosenhauer, Dusseldorf-Benrath, Germany, assignor to the firm Henkel & Cie. G. m. b. H., Dusseldorf, Germany
No Drawing. Application April 27, 1934, Serial No. 722,686. In Germany May 12, 1933
9 Claims. (Cl. 260—457)

1. The process for the manufacture of sulphuric acid derivatives of organic acid amides, which comprises treating with sulphonating agents amides having at least one group capable of being sulphonated, of the general formula ZX·R·NY, where R is selected from the group consisting of aliphatic carbonyl groups containing not more than 3 carbon atoms and aliphatic sulphonyl groups containing not more than 3 carbon atoms, X is a non-metallic, polyvalent atom of the group consisting of oxygen, sulphur and nitrogen, combined with at least one hydrocarbon group Z containing not more than 10 carbon atoms, and NY is an amido group substituted by at least one higher non-aromatic hydrocarbon radical Y containing at least six carbon atoms.

2,139,038
PROCESS FOR PRODUCING POLYMERS OF OLEFINES
Robert P. Russell, Short Hills, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application February 7, 1935, Serial No. 5,396
13 Claims. (Cl. 260—2)



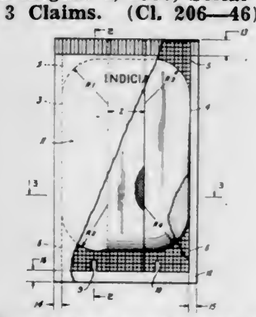
1. An improved process for producing linear polymers of high molecular weight from olefines or mixtures rich in the same, comprising passing a liquefied mixture of cracked hydrocarbons of the butane-butylene range including iso-butylene and a substantially unpolymerizable hydrocarbon diluent through a reaction zone in a narrow confined stream along with a boron fluoride catalyst supplied at a plurality of different points along the reaction zone, the initial mixture containing at least a substantial proportion of the total amount of the catalyst necessary to complete the reaction, maintaining a temperature below −20° C. by indirect cooling, providing sufficient time for polymerization of the olefine to a product ranging from a viscous liquid to a solid and withdrawing a mixture of said polymer and the liquid diluent in a free flowing condition.

2,139,039
FORMING AND FILLING BAGS
Leroy L. Salfisberg, South Orange, N. J., assignor to Ivers-Lee Company, Newark, N. J., a corporation of Delaware
Application November 21, 1936, Serial No. 112,113
6 Claims. (Cl. 93—3)



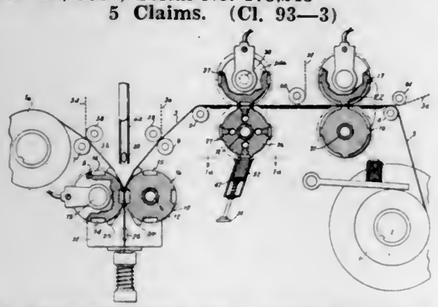
1. Bag forming apparatus comprising, means for feeding a strip of sealable packaging material, means for folding said strip longitudinally, forming means for sealing said folded material transversely to pre-form a chain of bag pockets, means displaced from said forming means for filling said pockets after they have been preformed and means for sealing the mouth of said pre-formed and filled pockets to close said pockets into unitary bag structures.

2,139,040
POWDER PACKAGE
Leroy L. Salfisberg, South Orange, N. J., assignor to Ivers-Lee Company, Newark, N. J., a corporation of Delaware
Application August 4, 1937, Serial No. 157,246
3 Claims. (Cl. 206—46)



1. A fluid package comprising, a wall of sheet packaging material longitudinally folded to form parallel folded edges with said material sealed together in a longitudinally extending area thereby forming a tubular contour, and spaced sealing flanges provided transversely of said tubular structure forming an inner pocket and having curved contours joining the transverse and longitudinal edges of the inner pocket of said envelope to evenly distribute the stresses caused by a contained freely flowing commodity.

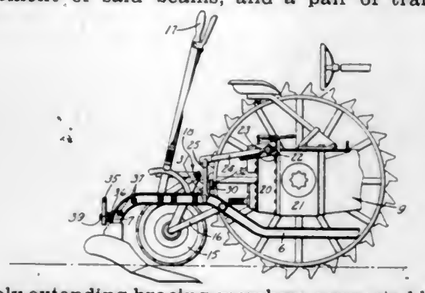
2,139,041
COLOR PACKAGING
Leroy L. Salfisberg, South Orange, N. J., assignor to Ivers-Lee Company, Newark, N. J., a corporation of Delaware
Original application May 24, 1935, Serial No. 23,330. Divided and this application November 18, 1937, Serial No. 175,243
5 Claims. (Cl. 93—3)



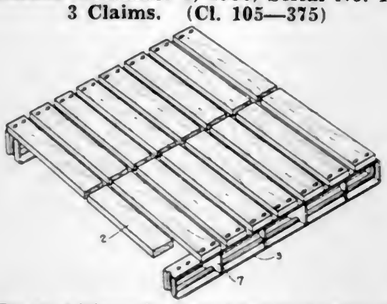
1. Packaging apparatus comprising a plurality of means each for supplying one of at least three separate layers of packaging material into superposed relation to the other layers, means for feeding a commodity between an intermediate layer and one of the outermost layers, and means for joining at least the two outermost layers to each other and said intermediate layer to the other of said outermost layers to produce a commodity-enclosing envelope.

2,139,042
TRACTOR MOUNTED IMPLEMENT
Walter H. Silver, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application April 10, 1937, Serial No. 136,136
10 Claims. (Cl. 97—47)

1. In a tractor mounted implement, the combination of a pair of longitudinally extending tool carrying beams, a draft frame therefor, means for connecting said beams to said draft frame providing independent vertical swinging movement of said beams, and a pair of transversely extending bracing members connected between said beams and pivotally connected thereto to permit said independent vertical swinging thereof, said members being spaced both longitudinally and vertically relative to one another.



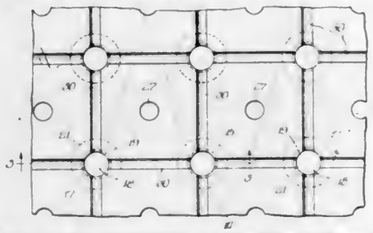
2,139,043
FLOOR RACK STRINGER
Vinton E. Sisson, Winnetka, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware
Application December 1, 1936, Serial No. 113,678
3 Claims. (Cl. 105—375)



1. In a refrigerator car having a wall with a flue adjacent thereto, a floor rack for supporting the car lading so as to provide a space between the lading and the floor of the car communicating with said flue, and means to induce an air current through said flue and said space, said floor rack comprising spaced apart stringers supporting a foraminous floor, each of said stringers comprising a metallic strap formed into an open rectangular structure so that air may circulate in all directions below the foraminous floor, the lower and side portions of said structure being formed with a continuous corrugation, and spaced apart columns extending between the upper and lower portions of the structure which columns straddle the corrugation, each of said columns comprising a flat plate diagonally disposed relative to the longitudinal axis of the stringer to prevent the stringer from collapsing like a parallelogram.

2,139,044
REFRIGERATOR CAR FLOOR RACK
Vinton E. Sisson, Winnetka, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware
Application June 17, 1937, Serial No. 148,690
5 Claims. (Cl. 105—375)

2. In a refrigerator car, the combination of an insulated floor, a foraminous floor, a plurality of spacers supporting the foraminous floor above the insulated floor to provide a space between said floors, and means to induce an air current in said space, said foraminous floor comprising a metallic plate having apertures therein and each



of said spacers comprising a perforated wall surrounding a hollow portion registering with an aperture in said plate, said plate provided with depressed stiffening corrugations merging into said apertures to form gutters therebetween.

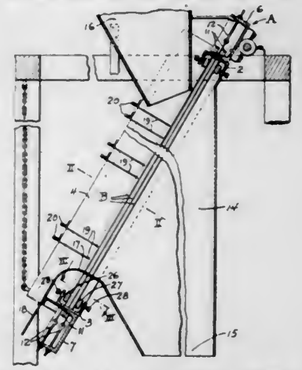
2,139,045
FOUNTAIN PEN
Milford Guy Sypher, Belleville, N. J., assignor to The Chilton Pen Company, Inc., Long Island City, N. Y., a corporation of New York
Application December 22, 1937, Serial No. 181,080
14 Claims. (Cl. 120—47)



1. In a fountain pen of the class described, the combination of an ink sac, a pair of telescoping slidable tubular members adapted to form a chamber about said ink sac whereby said chamber may be enlarged by retracting said tubular members with respect to each other and whereby said chamber may be reduced to its normal size by returning said tubular members to their original position to compress the air therein and collapse the ink sac, and manually engageable means attached to the end of one of said tubular members adapted to close the chamber when said tubular members are returned, one of said tubular members having a groove therein adapted to vent the chamber while returning said tubular members to their original position.

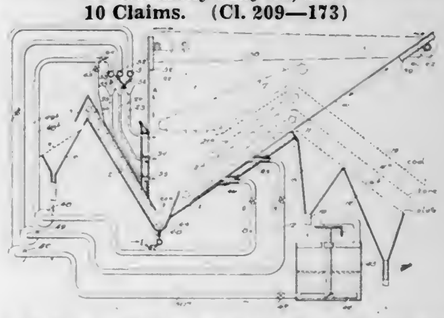
2,139,046
HOP SEPARATOR
Edouard Thys, San Francisco, Calif.
Application June 17, 1936, Serial No. 85,718
1 Claim. (Cl. 209—99)

In a separator of the character described a rectangular-shaped elongated frame, a cross-bar secured at each end of the frame, spaced wires extending longitudinally of the frame and passing through the cross-bars, means for permanently securing the wires to one cross-bar, tensioning means connected with the opposite ends of the wires and cooperating with the other cross-bar to maintain the wires taut, said wires



being disposed in at least three different elevations and in trough-shaped formation crosswise of the frame to form a series of substantially V-shaped parallel troughs, each side wall of which is composed of at least three wires, and adjustable cross-bars in the frame engageable with the uppermost and lowermost wires to adjust the spacing between said wires and intermediate wires.

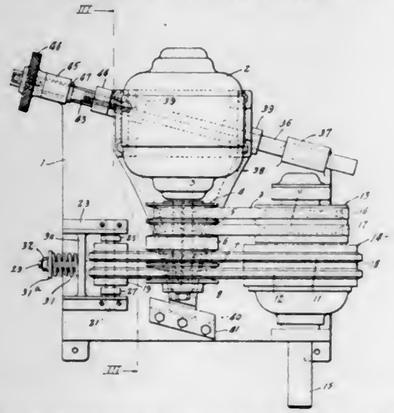
2,139,047
PROCESS AND APPARATUS FOR CLEANING COALS AND OTHER MATERIALS
Klaas F. Tromp, Kerkrade, Netherlands
Application April 16, 1936, Serial No. 74,650
In Germany May 23, 1935
10 Claims. (Cl. 209—173)



1. In a process for separating solid materials having different specific gravities by means of a suspension of sand in liquid contained in a tank in which the density of the suspension increases from top to bottom, the steps which consist in feeding the materials to be separated into the bath at one side thereof, causing the heavier of said materials to settle in the bath, causing the lighter materials to float on the bath, causing the materials with an intermediate specific gravity to remain suspended in the bath, withdrawing limited quantities of suspension per unit of time below the top level of the bath at the side opposite the feed side and introducing limited quantities of the suspension per unit of time into said bath at the feed side thereof substantially at the withdrawal level so as to create a slow substantially horizontal current in the bath and cause the material with an intermediate specific

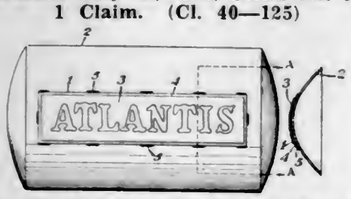
gravity to be carried towards the side opposite the feed side, separately removing from the bath floating material and suspended material, and simultaneously maintaining the portion of the bath out of the direct path of said current in a substantially quiescent condition.

2,139,048
VARIABLE SPEED MECHANISM
Herbert E. Twomley, Riverside, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application January 20, 1936, Serial No. 59,913
2 Claims. (Cl. 74—230.17)



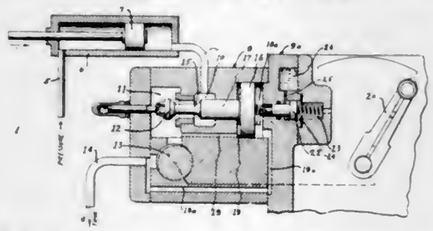
1. In a machine of the type described, a shaft, a flat face pulley positioned opposite said shaft and means for coupling said shaft and pulley for rotation in opposite directions, comprising a V pulley on said shaft having a pair of separable members, one of which is fixed relative to the shaft and the other of which is movable longitudinally on said shaft to vary the effective diameter of the pulley, idler pulley means positioned on the opposite side of said shaft from said flat face pulley, a belt having a V face on one side and a flat face on the other side, said belt being looped over said flat pulley with its flat face in driving relation therewith and looped over said idler pulley means and reverse looped back over the V pulley on said shaft with its V face engaging the latter pulley whereby said V belt engages said flat pulley with a flat face of substantial width and is free to move longitudinally along said flat pulley to at all times maintain itself in alinement with said V pulley.

2,139,049
ENAMELED SIGN AND METHOD OF ATTACHING SAME
John W. Van Dyke, Philadelphia, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 18, 1936, Serial No. 91,317
1 Claim. (Cl. 40—125)



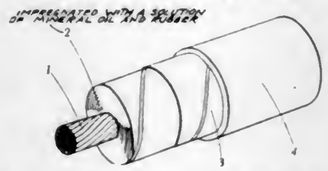
The method of attaching to a metalic tank an enameled metal sign provided with an exposed metal surface about the perimeter thereof, which comprises interposing a thin layer of sealing compound between the wall of said tank and said sign, and welding said sign to said tank at a plurality of points along the exposed metal surface defining the perimeter of said sign.

2,139,050
VISCOSITY COMPENSATING DEVICE
Harry F. Vickers, Detroit, Mich.
Application May 1, 1937, Serial No. 140,073
9 Claims. (Cl. 137—152.5)



5. In a hydraulic constant flow control valve, a housing, a throttle orifice formed in said housing, a pressure balanced orifice valve located in said housing to maintain a predetermined pressure differential across said throttle orifice, a liquid filled expansion chamber formed in said housing, means responsive to the expansion of the liquid in said chamber, and means mechanically and resiliently connecting said balanced orifice valve with said first named means to regulate said pressure differential to maintain a predetermined relationship between the pressure differential and the temperature of liquid flowing through the flow control valve.

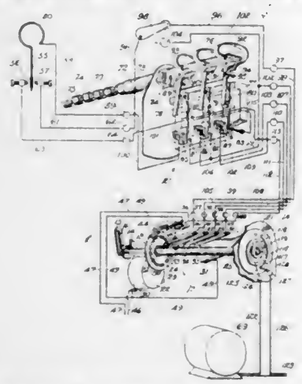
2,139,051
MANUFACTURE OF ELECTRIC CABLES
Russell Swale Vincent, London, England, assignor to Callender's Cable and Construction Company, Limited, London, England, a British company
Application November 28, 1936, Serial No. 113,162
In Great Britain December 11, 1935
2 Claims. (Cl. 106—13)



1. The method of producing a cable impregnating compound which comprises making, under conditions that exclude air and atmospheric impurities, a colloidal solution of pure rubber in mineral oil, filtering the said solution to remove undissolved matter, and exposing it to a high vacuum at an elevated temperature to remove volatile impurities.

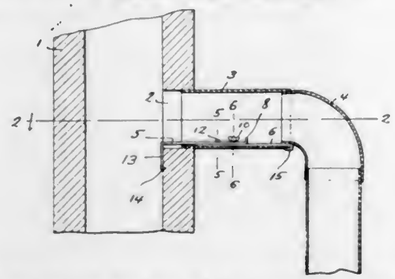
2,139,052
REMOTE CONTROL MECHANISM
Everett H. White and Leslie E. Turner, St. Paul, Minn.; said Turner assignor to said White
Application May 11, 1936, Serial No. 79,045
7 Claims. (Cl. 236—9)

1. In an electrically operated mechanism for the remote control of a heat producing device including heat regulating means and means for forcibly circulating fluid medium warmed by said heat producing device to warm a space to be heated, mechanism for controlling said heat regulating means and said warmed fluid medium circulating means and capable of actuating each of said means to any predetermined one of a plurality of different conditions, a plurality of thermostatically actuated instruments each adapted



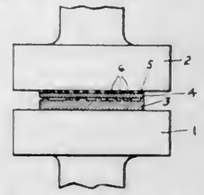
to make a circuit including said instruments and a part of said mechanism for separately starting operations of said mechanism, and means operative when each of said heat regulating means and said warmed fluid medium circulating means is in any one of said plurality of different conditions as predetermined by said thermostatically actuated instruments for discontinuing operation of said mechanism.

2,139,053
STOVEPIPE ANCHOR
Charles B. Williams, Macon, Mo.
Application January 22, 1938, Serial No. 186,433
1 Claim. (Cl. 126—318)



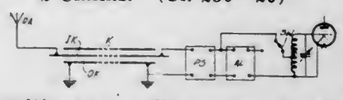
A stovepipe anchor of the class described comprising a pair of overlapping, parallel metallic bars, one of said bars terminating, at its inner end, in an upturned member providing a handle, said one bar further having a longitudinal slot in its inner end portion, a bolt mounted on the other bar at an intermediate point and operable in the slot, a wing nut threaded on the bolt and, in conjunction therewith, providing means for frictionally securing the bars in adjusted position relative to each other, a headed pin fixed in said other bar and operable in the slot for securing the bars in parallelism, a depending arm integral with the outer end of said one bar engageable in the flue, said arm terminating, at its free end, in an inturned lip engageable with the flue, and a hook on the outer end of said other bar engageable over an end of a stovepipe section for securing said stovepipe section in the flue.

2,139,054
METHOD OF PRODUCING PRINTING PLATES
Sidney C. Wilson, Rochester, N. Y., assignor to Econo Products, Inc., Rochester, N. Y., a corporation of New York
Application August 17, 1932, Serial No. 629,132
4 Claims. (Cl. 41—25)



1. A process of forming a relief printing plate from rubber which consists in forming a matrix from the material to be duplicated by placing thereagainst a layer of thermo-setting resin capable of taking and maintaining the precise configuration of the material to be duplicated while still remaining pliable at a temperature not exceeding 300° F.; applying thereto heat and pressure sufficient to cause said resin to take and maintain a sharp, clean-cut impression from said original, but insufficient to convert the same to inflexible, brittle form; removing the matrix while still hot and pliable; placing against the impression forming face thereof a layer of rubber capable of taking from said matrix the impression formed therein and of being set in permanent form and applying heat and pressure thereto in an amount at least equal to that required to cause said rubber to set and less than that required to convert said matrix to inflexible and brittle form.

2,139,055
HIGH FREQUENCY SYSTEM HAVING REMOTE CONTROL
George Maurice Wright, Bicknacre, and Noël Meyer Rust, Chelmsford, England, assignors to Radio Corporation of America, a corporation of Delaware
Application January 11, 1936, Serial No. 58,748
In Great Britain November 14, 1934
2 Claims. (Cl. 250—20)



1. A multi-range radio receiver arrangement comprising a receiver having at least two bands, a receiving aerial coupled to the input tuned circuit of the first stage of said receiver through a high frequency cable whose electrical length including an artificial line in series therewith is such that over one of the tuning ranges of the receiver the aerial load is reflected in the first circuit of said receiver as an inductance while for another of the ranges of the receiver the said load is reflected in as a capacity.

2,139,056
FLOOR RACK FOR REFRIGERATOR CARS
Kurt E. Zeidler, Pittsburgh, Pa., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware
Application October 5, 1937, Serial No. 167,405
5 Claims. (Cl. 105—375)

1. In a refrigerator car having a floor, a rack to support a lading in spaced relation to said floor to provide a flue therebetween, and means

to induce an air current in said flue, said rack comprising a metallic sheet formed with depending marginal flanges resting upon said floor, said sheet provided with a plurality of parallel slots extending substantially between said flanges, each of said slots being provided with a peripherical



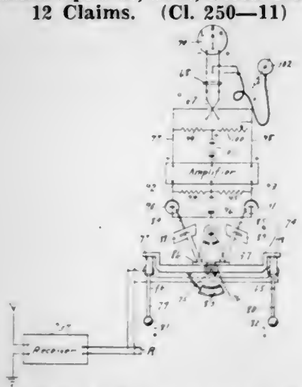
flange which forms parts of a plurality of parallel inverted channel shaped members integral with said sheet, and a stringer extending normally to said slots with the bottom thereof resting upon said floor and the top thereof secured to a plurality of said peripherical flanges.

2,139,057

RADIO APPARATUS AND METHOD

Theophile E. Brockstedt, San Francisco, Calif., assignor to Washington Institute of Technology, Inc., a corporation of Delaware

Application April 20, 1932, Serial No. 606,403
12 Claims. (Cl. 250—11)



3. The method of comparing electromotive forces, which includes the steps of receiving a plurality of distinctively characterized electromotive forces, establishing mechanical vibrations with each of said characterized electromotive forces, applying in opposition the mechanical forces developed by said vibrations, utilizing the differential resultant of said applied forces to alter the magnitudes of a plurality of opposing secondary electromotive forces, and producing a manifestation of the relative magnitudes of said characterized electromotive forces by means of the differential resultant of said opposing secondary electromotive forces.

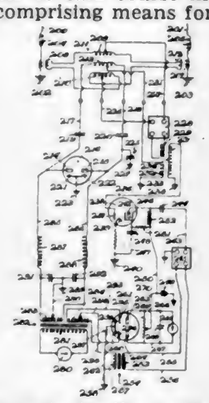
2,139,058

RADIO DIRECTION FINDER

Gomer L. Davies, Cleveland, Ohio, and William H. Orton, Washington, D. C., assignors to Washington Institute of Technology, Washington, D. C., a corporation of Delaware

Application January 19, 1934, Serial No. 707,400
7 Claims. (Cl. 250—11)

1. A radio direction indicator comprising a loop antenna system, an oscillator, a primary coil connected to be energized by the output of said oscillator, a plurality of separate secondary coils inductively coupled to said primary coil, a circuit connected to one of said secondary coils and to said loop system for modulating currents received by said loop antenna system, a circuit coupled to and operable with said loop system for providing the effect of a vertical antenna, means for combining non-directional currents from said vertical antenna system with modulated currents from said loop system to provide combined currents, means for amplifying and detecting said combined currents, a course indicating device, and means for supplying said combined currents to said course indicating device, said means comprising means for supplying said



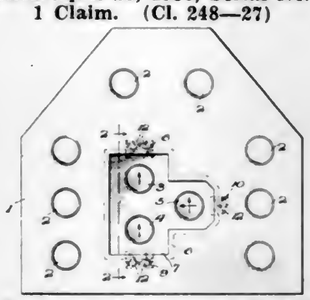
combined currents to the center point of another of said secondary coils, a plurality of audio frequency valve paths each including a grid to each of which is connected one terminal of said last-named secondary coil, a plate in each of said valve paths, each of said plates being connected to one terminal of said course indicating device.

2,139,059

INSTRUMENT MOUNTING

Daniel O. Lybrand, Washington, D. C., assignor to Washington Institute of Technology, Inc., Washington, D. C., a corporation of Delaware

Application April 23, 1936, Serial No. 76,081
1 Claim. (Cl. 248—27)



In combination, an instrument panel having an opening therein, a plate disposed to the rear of and spaced from said panel and being of such a size and shape as to substantially cover the opening therein, said plate being constructed and adapted to have mounted thereon a plurality of instrument devices having face portions, whereby when said instrument devices are attached to said plate all of the face portions of said instrument devices may be viewed through the opening in said panel, and means for resiliently attaching said plate to said panel.

2,139,060

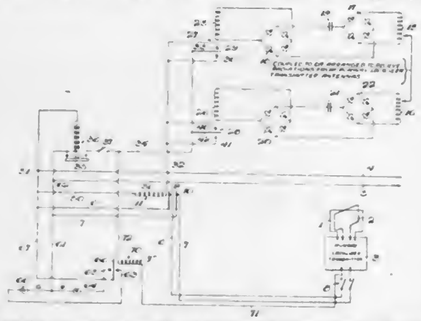
CONTROL SYSTEM FOR RADIO BEACONS

Frank G. Kear, Minersville, Pa., assignor to Washington Institute of Technology, Inc., Washington, D. C., a corporation of Delaware

Application July 29, 1936, Serial No. 93,261
2 Claims. (Cl. 250—11)

1. A control means for a radio transmitting system which comprises transmitting means

adapted to establish a plurality of radiated fields, a source of power and means operable to connect said transmitting means to a source of power, said control means comprising a plurality of energy collecting means each of which is disposed within one of said fields, means for producing from each received radiation a current which is proportional in strength at all times to the strength of the radiation producing it, and



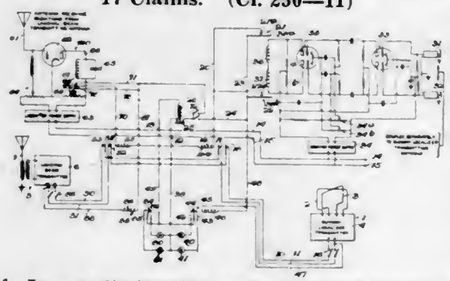
separate means each continuously controlled by one of said produced currents and operable thereby to maintain the connection between the transmitting means and the source of power and operable in response to increase or decrease of the controlling produced current from predetermined upper and lower limits to cause the operation of said connecting means to disconnect the transmitting means from the source of power.

2,139,061

CONTROL MEANS FOR RADIO LANDING SYSTEMS

Gerald H. Wintermute, Newton, N. J., and Gomer L. Davies, Cleveland, Ohio, assignors to Washington Institute of Technology, Inc., Washington, D. C., a corporation of Delaware

Application July 29, 1936, Serial No. 93,280
17 Claims. (Cl. 250—11)



1. In a radio landing system, means for establishing a radiated field providing a radio path to ground having a predetermined shape and disposition, and means responsive to the intensity of said radiated field and operable in response to variation of the intensity thereof from predetermined upper and lower limits for de-energizing the means for establishing said field.

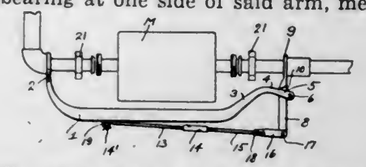
2,139,062

METER GAP EXPANDER

Robert P. Adams, Killeen, Tex.

Application July 21, 1937, Serial No. 154,885
1 Claim. (Cl. 254—126)

A spreader for use in separating jointed pipe sections on opposite sides of a meter comprising a bow-shaped bar for spanning the meter and having a laterally curving forked end for straddling the section on one side of the meter and a similarly curved opposite forked end for location close to the section on the other side of the meter, a spreader arm comprising a forked end for straddling the other section and pivotally mounted intermediate its ends in said opposite end of the bar, said pivotal mounting comprising a knife-edge bearing at one side of said arm, means for



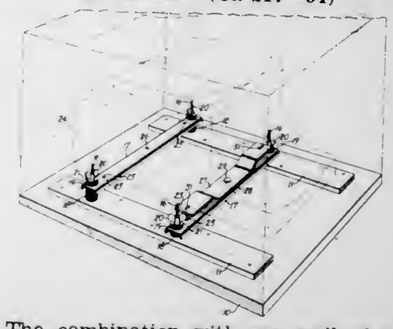
pivotally moving said arm in one direction into different set positions comprising a turn buckle connection between said bar and the other end of said arm, and a pin passing through the extremities of said opposite end of the bar and confining said arm in said end against displacement therefrom.

2,139,063

PACKING SUPPORT

Raymond S. Beach, Avon, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application June 30, 1937, Serial No. 151,199
17 Claims. (Cl. 217—54)



1. The combination with one wall of a container; of a packing for articles to be shipped, including cleats arranged transversely of the article; means to resiliently fasten the cleats to said wall of the container; one of the cleats being rigidly secured to the article at one side of its center; and a freely pivoted device connected with a second cleat, to which the article is secured at points in front of its center.

2,139,064

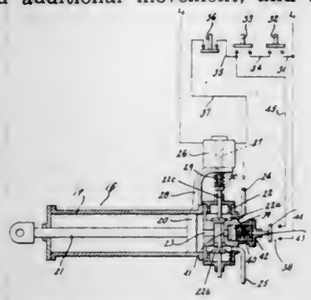
PRESS CONTROL MECHANISM

William P. Beattie, Norwood, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio

Application January 21, 1935, Serial No. 2,698
16 Claims. (Cl. 121—38)

1. In a pressing machine, a pair of coacting relatively movable pressing members, press closing means including a fluid actuated motor and motion transmitting mechanism for moving one of said members into ironing engagement with the other member, conduit means for the supply and exhaust of motive fluid to and from said motor and including a normally closed inlet valve and a normally open outlet valve, operator controlled means for moving said valves to operated position with said inlet valve open and said outlet valve closed, said last named means having a connection permitting additional movement beyond said valve operating movement, means for holding said valves in said

operated position, a timing device for controlling said additional movement, and means for



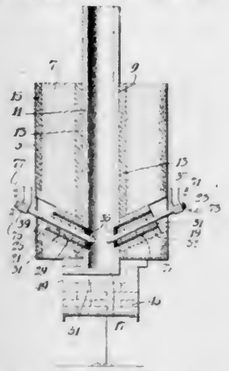
actuating said holding means upon completion of said additional movement.

2,139,065

SMELTING OF METALLURGICAL DUSTS

Jesse O. Betterton, Metuchen, Albert J. Phillips, Plainfield, and Ross E. Allen, Avenel, N. J., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey

Application August 28, 1937, Serial No. 161,448
5 Claims. (Cl. 75—25)



1. A process of smelting metallurgical dusts comprising oxides of lead, tin, and zinc, which comprises sintering the dusts in the presence of sufficient borax to form a clinker and a substantially non-compacting smelting charge, charging successive portions of the resulting sinter into an electrothermic shaft furnace in the presence of reducing agents, regulating the initial charging so that each portion of the charge becomes heated throughout to incandescence before further additions of charge are made, educting zinciferous vapors from the shaft, and thereafter maintaining the charge sufficiently deep to avoid appreciable losses of zinc vapor, and conducting the same into an external condenser, condensing the said vapors into liquid zinc, and recovering solder metal from the reaction zone in the shaft.

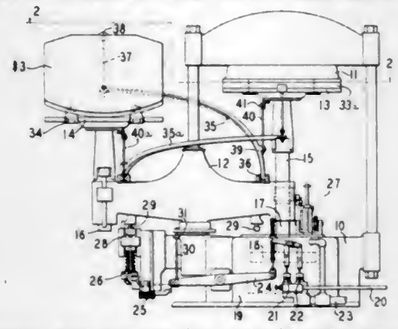
2,139,066

PRESSING MACHINE WORK SUPPORT POSITIONING MEANS

George R. Bicknell, Antioch, Ill., assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio

Application April 9, 1937, Serial No. 135,908
4 Claims. (Cl. 38—22)

1. In a pressing machine, a pressing head, a pair of work supports movable to place one in position for a pressing operation in coaction with said head while placing the other work support in work dressing position, each support comprising a base and a work holder movable relative



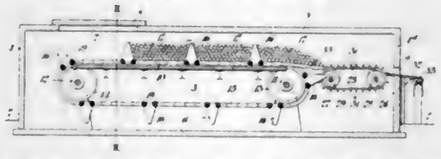
thereto, and means for coincidently causing a pressing operation between said head and said work support in pressing position and for causing a movement of the work holder relative to its base of said work support in dressing position.

2,139,067

CONTINUOUS HEATING FURNACE

John J. Boax, McKeesport, Pa., assignor to National Tube Company, a corporation of New Jersey

Application February 11, 1937, Serial No. 125,325
3 Claims. (Cl. 263—8)



1. In a continuous heating furnace, a heating chamber, means for positively moving a body of closely assembled tenuous superposed articles through said chamber, and means for discharging said articles singly from said heating chamber.

2,139,068

TRANSFER SHEET FOR DECORATING RUBBER

Pierre Marcel Bourdon, Paris, France, assignor to Michelin et Cie, Clermont-Ferrand, France, a corporation of France

No Drawing. Application December 28, 1936, Serial No. 117,974. In France May 8, 1936
2 Claims. (Cl. 41—33)

1. A transfer sheet for use in decorating rubber comprising a support, and a layer of an ink including rubber, zinc oxide, magnesium carbonate, titanium white, coloring matter, sulphur and an accelerator.

2,139,069

CONVERSION OF SPENT BATTERY PLATE POWDERS INTO LITHARGE

Robert M. Cole, Bryn Athyn, Pa.

No Drawing. Application April 21, 1936, Serial No. 75,553
2 Claims. (Cl. 23—146)

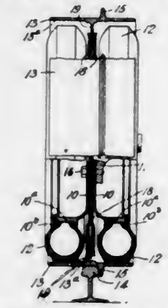
1. The process of converting spent battery plate powders into substantially pure litharge and sodium sulphate, which comprises separating the powder from the metallic grids, calcining the separated powder to convert lead peroxide and metallic lead to litharge, mixing the calcined product with an aqueous solution of caustic soda, heating the same to a temperature of substantially 300° C. to substantially 320° C., and subjecting the entire mixture during this heating to a pressure sufficient to maintain the liquid environment for the calcined product, and thereafter separating the litharge from the sodium sulphate formed.

2,139,070

RAILWAY CAR WHEEL

Donald C. Dobbins, Champaign, Ill.

Application September 28, 1933, Serial No. 691,389
16 Claims. (Cl. 295—3)



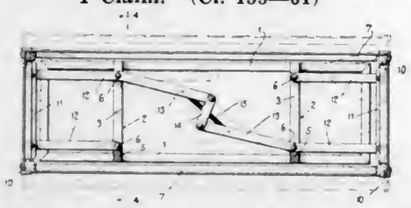
1. A vehicle wheel comprising a hub, a tire carrier secured to said hub portion, a pneumatic tire carried by said carrier, and an annular tread member surrounding the tire providing on its inside surface a continuous flat treadway of greater circumference than the tread of said tire along which said tire may roll, guideway means connected to the hub portion of the wheel and cooperating with a portion of the tread loosely supporting and guiding the tread member relative to said tire so that it is free to roll relative to said tire without frictional contact with the side walls thereof, said guideway means having continuous annular engagement with the portions of the tread, and means on the outer surface of said tread for cooperation with a railway track rail, said guideway means being rigidly connected to the hub portion and separable from the tire carrier whereby said tire may be removed from the carrier independently of the guideway means.

2,139,071

FURNITURE

Frank A. Eichel, New York, N. Y.

Application September 29, 1936, Serial No. 103,095
1 Claim. (Cl. 155—61)



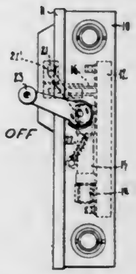
A seat comprising a base frame, a swinging arm pivoted on a vertical axis on one end of said frame, a swinging arm pivoted on a vertical axis on the other end of said frame, each of said arms having an extension projecting in the opposite direction, a link pivotally connected to said extensions causing said arms to swing in unison, a seat frame supported by said swinging arms, and a spring connected from one of said extensions to the other.

2,139,072

ELECTRIC SWITCH

Lawrence E. Fisher and William H. Frank, Detroit, Mich.

Application August 22, 1935, Serial No. 37,291
9 Claims. (Cl. 200—163)



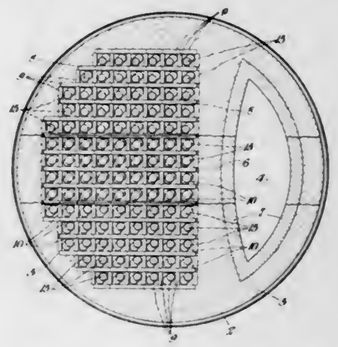
1. In a box contained switch a box, an openable front cover therefor, a stationary contact mounted on the back of the box and projecting forwardly, a movable contact mounted to reciprocate with a substantially rectilinear motion towards and away from the back of the box, and quick acting mechanical motion means of the bail and handle type for reciprocating said movable contact into and out of contact making position with a rectilinear motion, the movable contact being formed as part of an insulation structure which supports and guides the movable contact in its movement and insulates the movable contact from the bail and handle means, the means including a rod portion in front of, spaced from, and parallel to the box back and mounted to move towards and away from the box back without losing its parallel relation thereto, the insulation structure being mounted on the rod portion in a manner to have a full floating movement with respect thereto, and means interlocking the insulation structure to the stationary contact whereby complete disassociation of the movable parts from the stationary parts is prevented.

2,139,073

CHECKERWORK FOR HOT-BLAST STOVES

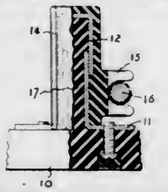
John P. Foley, Lorain, Ohio, assignor to National Tube Company, a corporation of New Jersey

Application December 29, 1937, Serial No. 182,323
4 Claims. (Cl. 263—51)



1. In a hot-blast stove, checkerwork having vertically extending flues therein and substantially cylindrical superposed inserts within said flues, said inserts having longitudinally extending alternate plain and transversely corrugated wall portions at opposite sides thereof.

2,139,074
CONTACT SET
William H. Frank and Lawrence E. Fisher, Detroit, Mich.
Application April 17, 1936, Serial No. 74,909
4 Claims. (Cl. 200—163)



1. A switch including a stationary piston comprising a post of insulation having one end anchored and one end free, the piston having separate permanently connected laterally spaced contacts on the side wall thereof, a cylinder disposed over the free end of the piston and closed at all parts except for an open end thereof, which end is normally and constantly closed and sealed by the piston, with the interior of the cylinder and the outside of the piston being so proportioned relatively that the cylinder interior wall wipes the piston side wall, the cylinder closely and completely surrounding the piston, a contact in the cylinder arranged to wipe the contacts of the piston on their outer surfaces and bridge them, the piston contacts terminating short of the cylinder closing end of the piston, and the cylinder contacts terminating short of the piston closed end of the cylinder, the side wall of the piston, at its free end, being proportioned to be wiped by the cylinder contact on relative separation of the contacts.

2,139,075
BAILER
Paul G. Gates, Long Beach, Calif.
Application July 14, 1936, Serial No. 90,520
16 Claims. (Cl. 166—19)



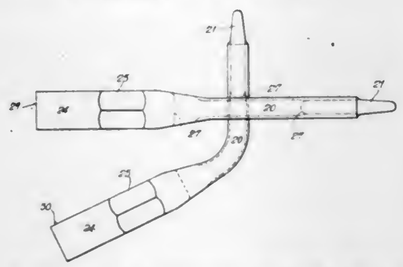
1. A device of the character described, comprising means providing an upper chamber adapted to be lowered into fluid in a well or other liquid and adapted to confine air or a compressible fluid at approximately atmospheric pressure, said upper chamber-forming means having a downwardly extending hollow stem provided with a tapered head, a lower chamber-forming means telescopically mounted upon said stem carrying means adapted to seat or seal upon said head, said stem and head having passages therethrough terminating on the sides of the head between the top and bottom of the tapered surface thereof whereby seating or sealing surfaces are provided above and below the entrances to the passages.

2,139,076
METHOD OF FREEING AND RECOVERING PIPE FROM WELLS
Paul G. Gates, Long Beach, Calif.
Application April 13, 1937, Serial No. 136,543
7 Claims. (Cl. 255—1)



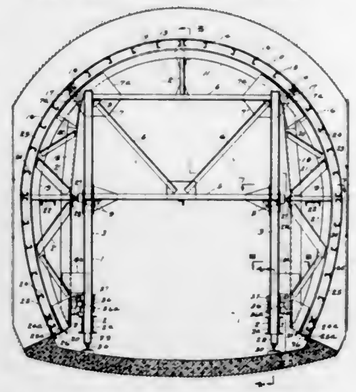
1. The method of recovering or moving pipe in wells which includes, applying a strain to the pipe tending to move it and suddenly allowing liquid in the well under high hydrostatic pressure to enter an air chamber so as to create a vertical surging of the liquid column.

2,139,077
METHOD OF MAKING DRILLING JARS
Allen Gray, Oil City, Pa., assignor to Oil Well Supply Company, Dallas, Tex., a corporation of New Jersey
Application August 16, 1935, Serial No. 36,579
2 Claims. (Cl. 76—101)



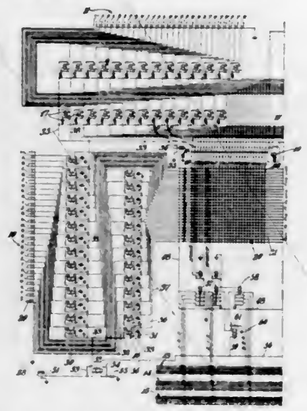
1. A method of forming drilling jars which comprises forming elongated pieces of metal to the approximate shape of the drilling jar members, removing metal from an intermediate part of said elongated pieces to form a pair of spaced reins integral with the ends, one of said ends being an attachment end and the other a tongue end, splitting the tongue end of one of said jar members and inserting one of said split ends between the reins of the other jar member, welding together said split ends, bending one of said jar members and twisting it to aligned position and straightening to alignment with the other jar member.

2,139,078
CONCRETE FORM
William A. Gurtler, Beaver Falls, Pa.
Application October 18, 1935, Serial No. 45,603
19 Claims. (Cl. 25—131.6)



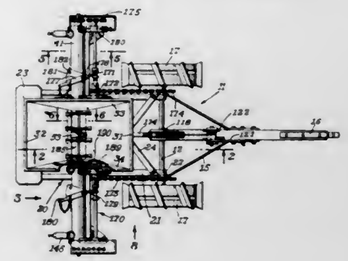
1. In a concrete form, in combination, side walls, framing members comprising a portion of the side walls, a lagging plate secured to said framing members, and a liner member extending longitudinally of the side walls adjacent the lower portion thereof; said liner member being spaced inwardly of the lagging plate thereby allowing the lower edge of the lagging plate to spring inwardly when forced into contact with an invert so as to compensate for hydrostatic pressure due to the filling of the form which will tend to move the lagging plate inwardly of the invert.

2,139,079
CODE TRANSLATOR
Merton L. Haselton, Rye, N. Y., assignor, by mesne assignments, to The Teleregister Corporation, New York, N. Y., a corporation of Delaware
Application June 7, 1928, Serial No. 283,477
Renewed January 29, 1931
12 Claims. (Cl. 177—353)



5. A code translating device comprising a plurality of groups of storage relays, each group including relays corresponding to the letters of the alphabet, key means for energizing said relays to set up the letters representing stock letter abbreviations, a preferred key, a plurality of groups of conductors, stock magnets under control of said groups of relays for energizing one conductor in each of said plurality of sets of conductors, and means under control of the preferred key and said groups of relays for energizing different ones in said groups of conductors.

2,139,080
FERTILIZER DRILL
Otto F. Heer, Ontario, Calif.
Application December 16, 1936, Serial No. 116,173
11 Claims. (Cl. 111—52)



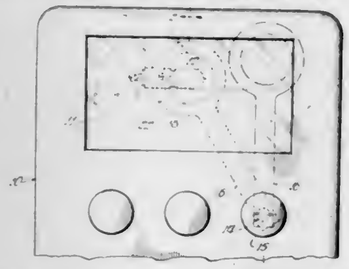
5. In a device as described, the combination of a vehicle having wheels, a frame connected thereto having a hopper mounted thereon in substantial longitudinal center, a pair of conveyor tubes extending laterally from the hopper beyond the wheels and supported by said frame, a valve in the hopper including a rotatable sleeve communicating with both tubes, a plurality of plows connected to the frame and spaced laterally from the hopper, a plurality of spouts connected to each tube and each discharging adjacent a plow, a valve for each spout, a power shaft on the vehicle having a pair of sprockets, a pair of driven shafts extending laterally from the hopper and parallel to each conveyor tube, each driven shaft having a sprocket and a sprocket chain connecting to one of the sprockets on the power shaft to develop a continuous drive between the power shaft and the driven shaft, a conveyor screw in each conveyor tube, a drive through a clutch from each driven shaft to each conveyor screw whereby either or both conveyor screws may be operated.

2,139,081
PROCESS FOR IMPROVING RESINS AND FATTY OILS
Herbert Hönel, Vienna, Austria, assignor to Helmuth Reichhold, Detroit, Mich., doing business as Reichhold Chemicals
No Drawing. Application October 4, 1935, Serial No. 43,642. In Germany October 10, 1934
4 Claims. (Cl. 260—19)

1. A process for producing a clear homogeneous reaction product; which comprises reacting (1) a substantially neutral varnish making raw material selected from a group consisting of fusible resins and fatty oils with (2) a heat hardenable condensation product obtained by condensing with the aid of a strong alkaline catalyst as contact agent (*a*) formaldehyde in excess over the equimolecular quantity, and (*b*) a mixture of phenols consisting of a major proportion of at least one phenol selected from a group consisting of phenols having at least one but not more than two reaction favorable positions unoccupied, and a minor proportion of a phenol having more than two reaction favorable positions unoccupied, the phenols employed in the process having as an average more than two saturated C atoms per each phenolic hydroxyl group; the process being characterized by the complete elimination of the alkaline catalyst, and the final reaction product

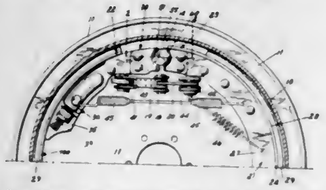
of the varnish making raw material and phenolic condensation product being of substantially increased viscosity.

2,139,082
RADIO RECEIVER
Arnold P. Hultgren, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application April 3, 1937, Serial No. 134,703
7 Claims. (Cl. 116—124.1)



1. A radio set operative selectively in a plurality of frequency ranges and comprising means movable to establish each operative condition, a fixed dial for indicating the station to which the set is tuned in each range, and means controlled by the movable means for rendering the dial externally visible in a different hue for each range in which the set is operative.

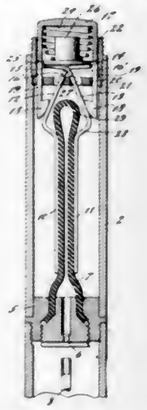
2,139,083
VEHICLE BRAKE
Gerhard C. R. Kuiper, Cleveland, Ohio, assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Application August 21, 1935, Serial No. 37,191
7 Claims. (Cl. 188—78)



1. In a brake, an anchor pin, a brake shoe having one end thereof engageable with said anchor pin, and cushioning means constituted solely of rubber and interposed beween said brake shoe and said anchor pin.

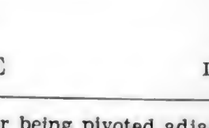
2,139,084
FOUNTAIN PEN
Gabriel Larsen, Springfield, N. J., assignor to L. E. Waterman Company, New York, N. Y., a corporation of New York
Application April 5, 1935, Serial No. 14,779
14 Claims. (Cl. 120—46)

1. In a fountain pen, a barrel having a collapsible sac therein and extending longitudinally thereof, a bar disposed between said sac and a wall of the barrel and having a head disposed beyond the end of the sac and extending transversely of the barrel, a thumb-piece slidably mounted on said barrel for movement lengthwise thereof, a bearing member adapted to engage said head of the bar and moved lengthwise of the barrel by movement of the thumb-piece in one direction, said bar being pivoted adjacent said head, whereby engagement of said head by said bearing member will cause the bar to rock on its pivot transversely of the barrel, a spring acting between said thumb-piece and bearing member to urge



the member against said head, means on the side of the sac opposite said bar and adapted to cooperate therewith to compress the sac therebetween, and means operated by said thumb-piece to rock said bar to compress the sac.

2,139,085
CONTAINER WITH SLIDING CAP
Marion Charles Lawson, Los Angeles, Calif.
Application August 31, 1937, Serial No. 161,781
6 Claims. (Cl. 221—60)



1. In a device as described, the combination of a container having a neck with guide grooves on the sides, a cap having a dome having sides and a wall construction having an opening, the sides of the dome and the wall construction having inturned flanges engaging in the said grooves, the grooves guiding the cap in sliding from an open to a closed position, the dome having a recess therein with a sealing pad and a downwardly extending edge to engage the top of the neck during the opening and closing of the cap to slightly displace the pad from the neck.

2,139,086
LUBRICATING OIL AND LUBRICATION THEREWITH
Arthur Walther Lewis, Elizabeth, N. J., assignor to Tide Water Associated Oil Company, Bayonne, N. J., a corporation of Delaware
No Drawing. Application April 2, 1937, Serial No. 134,514
6 Claims. (Cl. 87—9)

1. The method of lubricating bearings having substantially the corrosion susceptibility characterizing cadmium-silver, cadmium-nickel and copper-lead alloys, which consists in applying to the bearing surfaces lubricant comprising mineral hydrocarbon oil of a character normally tending to corrode said bearings and having incorporated therein corrosion inhibiting proportions of ethylene cyanide.

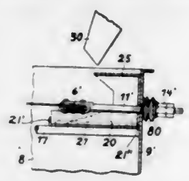
2,139,087
LUBRICATING OIL AND LUBRICATION THEREWITH
Arthur Walther Lewis, Elizabeth, N. J., assignor to Tide Water Associated Oil Company, Bayonne, N. J., a corporation of Delaware
No Drawing. Application April 2, 1937, Serial No. 134,515
6 Claims. (Cl. 87—9)

1. The method of lubricating bearings having substantially the corrosion susceptibility characterizing cadmium-silver, cadmium-nickel and copper-lead alloys, which consists in applying to the bearing surfaces lubricant comprising mineral hydrocarbon oil normally tending to corrode said bearings and having incorporated therein corrosion inhibiting proportions of cyano acetamide.

2,139,088
LUBRICATING OIL AND LUBRICATION THEREWITH
Arthur Walther Lewis, Elizabeth, N. J., assignor to Tide Water Associated Oil Company, Bayonne, N. J., a corporation of Delaware
No Drawing. Application April 2, 1937, Serial No. 134,517
6 Claims. (Cl. 87—9)

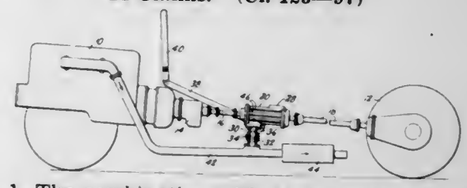
1. The method of lubricating bearings having substantially the corrosion susceptibility characterizing cadmium-silver, cadmium-nickel and copper-lead alloys, which consists in applying to the bearing surfaces lubricant comprising mineral hydrocarbon oil of a character normally tending to corrode said bearings and having incorporated therein corrosion inhibiting proportions of methylene amino aceto nitrile.

2,139,089
VIBRATING SCREEN
Hans Gerhard Linke, Magdeburg, Germany, assignor to firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany
Application August 28, 1936, Serial No. 98,358
1 Claim. (Cl. 209—403)



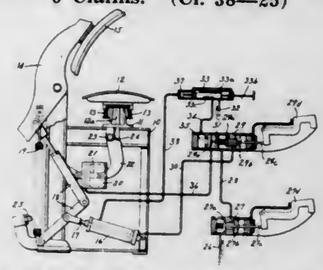
In a vibrating screening apparatus, the combination with a rectangular screen cloth, of an open box frame comprising two spaced side beams and two cross beams for supporting said screen cloth, a plurality of spaced screw bolts attached to said cross beams and screen cloth for tensioning the latter in longitudinal direction, and a plurality of frame stiffening elements in the form of tubular struts extending between said cross beams, namely in vertical alignment with said screw bolts and closely underneath the latter, a roof plate being provided above the feed end of the screen cloth so as to protect the latter against destructive impacts by the material under treatment, a layer of packing material at the feed end of the screen cloth engaging the latter from underneath, and a bracket plate for securing said layer in its position,—said bracket and roof plates being joined together so as to present an additional stiffening element.

2,139,090
BRAKING
Alf Lysholm and Gösta Wahlsten, Stockholm, Sweden , assignors to Aktiebolaget Ljungströms Ångturbin, Stockholm, Sweden, a corporation of Sweden
Application January 28, 1936, Serial No. 61,136
In Sweden February 1, 1935
14 Claims. (Cl. 123—97)



1. The combination with an internal combustion engine, of a supercharging compressor of the displacement type driven by the engine for supplying combustion air under pressure to the engine, and adjustable control means for arbitrarily increasing the work done by the compressor to provide a braking effect reacting on the engine.

2,139,091
CONTROL MECHANISM FOR PRESSING MACHINES
Edmund N. Neckel, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application November 4, 1937, Serial No. 172,686
6 Claims. (Cl. 38—25)



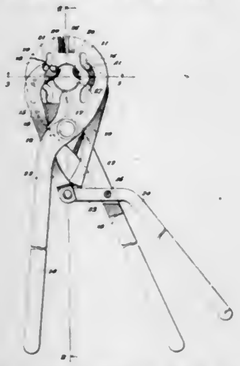
1. In a pressing machine, a pair of coacting pressing members relatively movable into pressing engagement in two stages, a first stage into a safe-closed position and a second stage into final pressing position, motor means for causing first and second stage movement of said pressing members, control means for causing first stage movement of said motor means including a control member movable to "on" and "off" positions, and energizing means for causing second stage movement of said motor means including a control member operable by movement of said pressing members to safe-closed position and a control member operable by movement of said first named control member to "off" position.

2,139,092
INK COMPOSITION
Samuel A. Neidich, Burlington, N. J., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
No Drawing. Application November 23, 1935, Serial No. 51,202
2 Claims. (Cl. 134—28)

1. A ribbon ink composed of a pigment; tricresyl phosphate in quantity sufficient to serve as the vehicle in which the pigment is dispersed

and held in suspension; a basic color base to intensify and enrich the color of the pigment; and oleic acid to dissolve the basic color base.

2,139,093
CONDUIT CASING CUTTING TOOL
Ledvin F. Nordling, Oslo, Minn.
Application October 29, 1937, Serial No. 171,781
3 Claims. (Cl. 30—96)



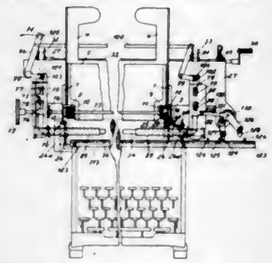
1. A conduit casing cutting tool comprising a pair of pivotally secured jaws, said jaws having recesses extending transversely therethrough from the outer side edges toward the center, the jaws having sockets formed in their inner edges to provide a conduit-receiving aperture when the jaws are in a closed position, cutting knives mounted within said recesses and having tapering hook-like cutting blades adapted to be moved circumferentially of said aperture for cutting engagement with the casing of a conduit, each jaw having cam guiding slots extending at right angles to said recesses and overlying the recesses, said cutting knives having journal pins slidably mounted in said cam slots, an operating lever pivotally secured to one jaw and pivotally engaging said cutting knives for shifting said pins within said cam slots and causing said knives to move over the surface of a conduit casing for cutting the casing, the knives having upper cutting faces for cutting a cable casing from the inside outwardly as the knives move circumferentially of the casing, thereby cutting off the casing squarely across without injury to the insulated cable carried within the casing.

2,139,094
OPERATING LEVER
Charles Opolo, Culver City, Calif.
Application August 13, 1936, Serial No. 95,803
5 Claims. (Cl. 74—523)



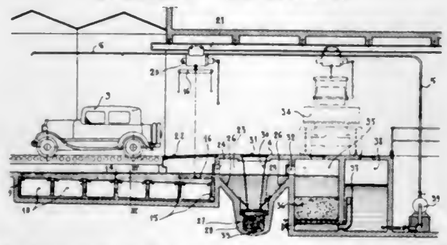
1. A lever construction comprising a fixed structure having a main lever fulcrumed thereto, a complementary link pivotally connected to the fixed structure, said link being shorter than the main lever and its path of movement being offset laterally from the path of movement of the main lever, a cross link pivotally connected to the free ends of the lever and link with an operating lever integral with the cross link, the path of movement of the pivots of the cross link being adapted to form two separate arcs having two points of intersection, the main lever in the movement in one direction being adapted to pass the pivot of the complementary link and cause the arcs to have one of the points of intersection, a second link pivotally connected to the main lever and an operative device pivotally connected to said second link.

2,139,095
TYPEWRITING MACHINE
Jacob Fritz Pfeiffer, Zurich, Switzerland, assignor to Wanderer-Werke vorm. Winklhofer & Jaenicke Akt.-Ges., Schonau, near Chemnitz, Germany
Application November 16, 1934, Serial No. 753,381
In Germany November 18, 1933
10 Claims. (Cl. 197—153)



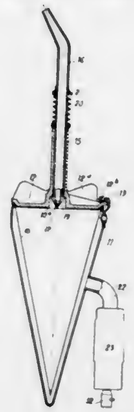
1. A commercial writing machine, including a platen carriage, means for feeding and holding inner work sheets around the platen of the machine, a detachable paper carrier comprising guides and feed rollers for inserting and feeding front sheets in front and independently of the inner sheets and a frame mounted on the platen carriage, a main ribbon, at least one supplementary ribbon, ribbon carriers for said supplementary ribbon, said guides and feed rollers and ribbon carriers being arranged on said frame to guide and feed the front sheets between the main supplementary ribbons by rotating said feed rollers, and means forming a part of the paper carrier for supporting said frame on said platen carriage.

2,139,096
INSTALLATION FOR THE WASHING OF VEHICLES
Emile Piquerez, Saint-Cloud, France
Application October 23, 1935, Serial No. 46,437
In France October 29, 1934
10 Claims. (Cl. 210—44)



1. Apparatus for cleansing water used for washing vehicles comprising a pre-decantation gully for directly recovering the washing water, a decantation basin arranged after the gully and communicating therewith, baskets arranged one after the other in the bottom of the said gully and of the basin, rails for supporting the baskets, means for directing water containing solids over the rails into the baskets, said means including covers extending over the rails for preventing vertical drop and resulting deposit of solids on the rails, and means for removing the baskets.

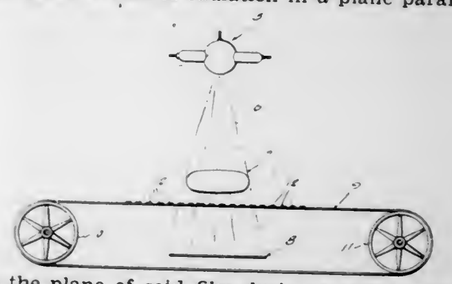
2,139,097
DISPENSING DEVICE
Emile Piquerez, Saint-Cloud, France
Application December 22, 1937, Serial No. 181,219
In France January 4, 1937
13 Claims. (Cl. 221—74)



1. Apparatus for supplying liquids or viscous and like substances comprising, in combination, a casing having, at least, one open end; a crushable package in said casing for containing the substances to be supplied, the end of said package when introduced to its full extent into the casing closing the said open end of the latter, and the body of the package lying with a clearance therein; a cover for closing the open end of said casing, said cover being provided with means forming an outlet for the contents of the package and being adapted when closed to produce a joint with the wall of said package around the outflow means; means for clamping the cover on the casing; a perforating nozzle mounted on the cover, adapted to pierce the wall of the package and thereupon to provide communication between the interior of said package and the outflow means of the casing; and means for introducing a supply of fluid under pressure to said casing between the wall thereof and the wall of the package for the purpose of crushing the latter and discharging its contents.

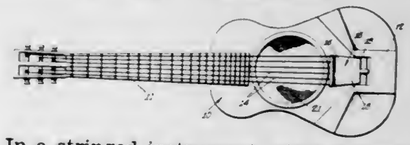
2,139,098
FILTER FOR X-RAYS AND SIMILAR RAYS
Ben Butler Raney, Linton, Ind.
Application February 27, 1934, Serial No. 713,205
3 Claims. (Cl. 250—63)

1. An X-ray filter for disposition between a primary source of X-ray radiation and one side of the object to be radiographed for affecting a film disposed at the opposite side of said object, said filter comprising a sheet of X-ray transparent material, a series of relatively thin, X-ray opaque trapezoidal strips mounted flatwise thereon in parallel, spaced relation, said strips being of graduated length and approximately equal width, and means for moving said filter across the path of said X-radiation in a plane parallel



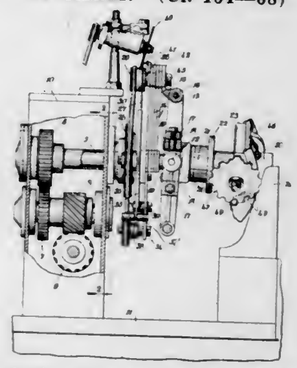
to the plane of said film during a radiographic exposure.

2,139,099
AMPLIFYING STRINGED INSTRUMENT
Ralph W. Robertson, Los Angeles, Calif.
Application June 3, 1937, Serial No. 146,214
6 Claims. (Cl. 84—296)



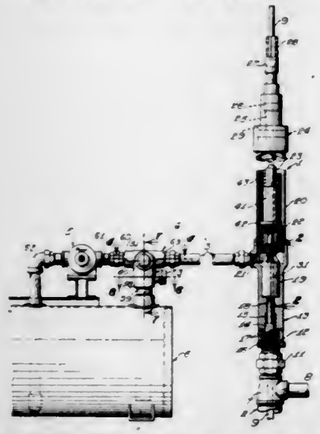
1. In a stringed instrument, pivoted means to which the strings are connected, and means providing a bridge on said pivoted means urged by the tension of the strings into engagement with the strings.

2,139,100
CIGARETTE MAKING MACHINE
Félix Fréderic Ruau, Deptford, London, England, assignor to Molins Machine Company, Limited, London, England
Application August 24, 1936, Serial No. 97,685
In Great Britain October 29, 1935
12 Claims. (Cl. 164—68)



1. In a device for severing an axially moving rod into lengths, the combination with a member rotatable about a fixed axis and restrained against movement lengthwise of said axis, of a cutting element carried by a carrier rotatable with said member, said cutting element having its cutting edge arranged transverse to the fixed axis, means to impart to the carrier during the severing of an axially moving rod a component of movement in the direction of movement of the rod and a resilient connection between the carrier and said member, whereby said component of movement may be imparted to the carrier.

2,139,101
HYDRAULIC PUMPING JACK
Lloyd Spencer, Alhambra, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware
Application September 21, 1936, Serial No. 101,729
20 Claims. (Cl. 60—52)

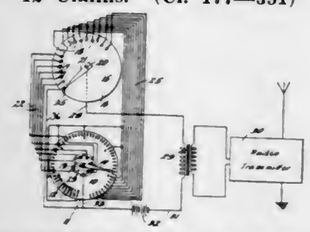


1. In a hydraulic pumping jack: a hydraulic reciprocator having a return stroke under urge of an unbalanced load, and a working stroke in opposition thereto; a fluid supply means; a valve having a primary position connecting said fluid supply means with said reciprocator for ingress of fluid thereto, and a secondary position for permitting discharge of fluid from said reciprocator; a device operatively associated with said reciprocator for shifting said valve from its primary to its secondary position; means operatively associated with said valve in its secondary position for maintaining a back pressure in said reciprocator during its return stroke; and an instrumentality responsive to a back pressure drop below a predetermined value for urging said valve to its primary position.

2,139,102
GERMICIDAL AGENT
Karl T. Steik and Julius F. Muller, Upper Montclair, N. J., assignors to National Oil Products Company, Harrison, N. J.
No Drawing. Application June 29, 1934, Serial No. 732,998
4 Claims. (Cl. 167—53.1)

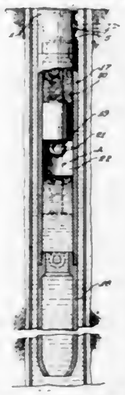
1. A composition for destroying coccidia oocysts comprising sulphur dioxide dissolved in an oil.

2,139,103
SYSTEM OF TRANSMISSION
Henry M. Vanderhider, San Antonio, Tex.
Application April 28, 1937, Serial No. 139,605
12 Claims. (Cl. 177—351)



1. Apparatus for repeating instrument readings at a distance comprising a transmitter, a receiver and a conventional channel therebetween, a measuring instrument at the transmitter adapted to indicate a plurality of digits, a single rotary finder at the transmitter operable to periodically find the plural digit reading of said instrument, a single rotary device at the receiver, means to maintain said finder and rotary device in substantial synchronism including the sending of a synchronizing signal once per finder revolution, said finder being arranged to cause said transmitter to send one impulse per revolution for each digit in the instrument reading spaced in relation to the synchronizing signal to represent the position and magnitude of the digit and means at the receiver actuated by said rotary device on receipt of each impulse to indicate the corresponding digit in its proper position.

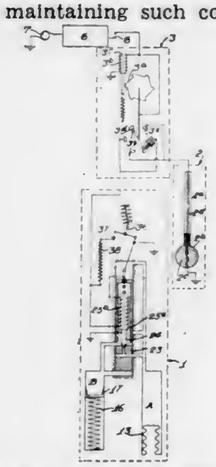
2,139,104
PRESSURE EQUALIZING AND SURGE RELIEF DEVICE FOR GUN PERFORATORS
Walter T. Wells, Glendale, Calif., assignor, by mesne assignments, to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware
Application February 15, 1936, Serial No. 64,006
9 Claims. (Cl. 164—0.5)



5. In a gun type perforator: a hollow body member having a longitudinal bore therethrough and lateral sockets intersecting said bore; gun units removably secured in said sockets, each gun unit adapted to fire a projectile; a surge chamber depending from said body member for absorbing concussive pressures set up by discharge of said gun units; a floating piston defining the upper end of said surge chamber, and a non-conductive liquid above the piston adapted to be forced into said body member to balance the pressure therein against the hydrostatic pressure of the liquid in which said body member is immersed.

2,139,105
PRESSURE INDICATION WITHIN WELL BORES
Walter T. Wells, Glendale, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware
Application June 4, 1936, Serial No. 83,425
11 Claims. (Cl. 73—300)

3. A well fluid pressure gauge comprising: a first liquid-filled chamber having a flexible diaphragm constituting one of its walls for separating the liquid in said chamber from the well fluid while subjecting the same to the pressure thereof; a second liquid-filled chamber having a yieldable wall; and a valve structure for controlling transfer of liquid between said chambers including means responsive to a predetermined pressure differential between said chambers to establish communication therebetween, and electrical means for maintaining such communication to



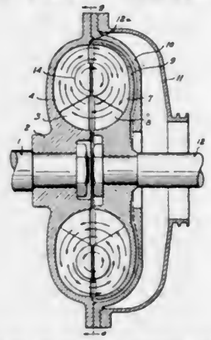
permit equalizing of the pressures in the chambers.

2,139,106
COMB
Nathan L. Solomon, Mount Vernon, N. Y.
Application August 29, 1938, Serial No. 227,414
5 Claims. (Cl. 132—21)



1. In a comb, an arcuate support, an arcuate row of teeth comprising upper portions extending rearwardly of said support and integral therewith, said teeth having intermediate portions spaced from said support and extending below the latter, said intermediate portions and said support defining a gap disposed longitudinally of said comb, said support comprising a posterior vertical surface having spaced means disposed in staggered relation in respect to said teeth and cooperating therewith for clamping hair within said gap and interposed between said intermediate portions and said support.

2,139,107
HYDRAULIC COUPLING
Noah Lester Alison, Detroit, Mich., assignor to American Blower Corporation, Detroit, Mich., a corporation of Delaware
Application April 29, 1937, Serial No. 139,766
In Great Britain October 28, 1936
11 Claims. (Cl. 60—54)



1. In a variable speed hydraulic coupling having an impeller and runner with oppositely disposed vanes and a core guide ring, the combination therewith of means constituting cut away core guide portions for permitting the oil to circulate through said core guide ring in a direction substantially parallel to the axis of rotation of said coupling when the coupling is only partially filled with oil.

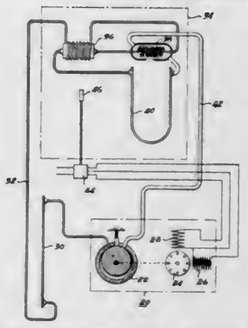
2,139,108
PROCESS FOR THE PRODUCTION OF BUTYL ALCOHOL BY FERMENTATION
Cornelius F. Arzberger, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application February 8, 1937, Serial No. 124,691. In Great Britain April 8, 1936
8 Claims. (Cl. 195—44)

8. A process for the production of butyl alcohol, acetone, and ethyl alcohol which comprises subjecting a molasses mash to the action of *Clostridium saccharo-butyl-acetonicum-liquefaciens*, and supplying ammonium hydroxide to the fermenting mash in an amount approximately equivalent to 1.4% NH_3, based on the weight of the sugar in the mash, the said ammonium hydroxide being incorporated in the fermenting mash in the form of approximately ten additions of increasing amounts distributed during the acid producing stage of the fermentation.

2,139,109
PRODUCTION OF IRON OXIDE AND ZINC SULPHATE
Joseph W. Ayers, Easton, Pa., assignor to C. K. Williams & Co., Easton, Pa., a corporation of Pennsylvania
No Drawing. Application June 26, 1935, Serial No. 28,453
4 Claims. (Cl. 23—125)

1. In the production of synthetic iron oxide pigments from iron sulphate, the method which comprises converting ferrous sulphate into ferric sulphate, mixing the ferric sulfate with zinc oxide containing material, and calcining the mixture at a temperature of from 1000 to 1700° F. to convert the ferric sulphate to ferric oxide and the zinc oxide to zinc sulphate, and leaching the zinc sulphate from the furnace product.

2,139,110
REFRIGERATING APPARATUS
Chalmers B. Boles, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application August 31, 1935, Serial No. 38,801
4 Claims. (Cl. 62—3)



1. Refrigerating apparatus including a refrigerant liquefying means having an inlet for evaporated refrigerant and an outlet for compressed

refrigerant, a refrigerant evaporating means having an inlet and an outlet, a restrictor connected to the inlet of the evaporating means for restricting the flow of liquid refrigerant to the evaporating means, a capillary tube connecting the outlet of the liquefying means with the inlet of the restrictor and having an intermediate portion in heat exchange relation with said restrictor, and a suction conduit means connecting the outlet of the evaporating means with the inlet of the liquefying means.

2,139,111

PROCESS FOR THE PRODUCTION OF BUTYL ALCOHOL BY FERMENTATION

Edwin H. Carnarius and Winfred N. McCutchan, Peoria, Ill., assignors to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland

No Drawing. Application February 8, 1937, Serial No. 124,686
8 Claims. (Cl. 195—44)

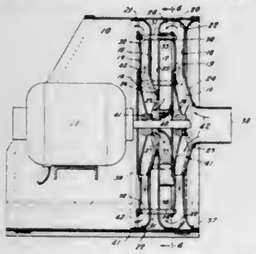
2. A process for the production of butyl alcohol, acetone, and ethyl alcohol which comprises subjecting a mash containing sucrose as a principal source of carbohydrate and an ammonium compound as a principal source of nitrogenous nutrient, to the action of bacteria of the group consisting of *Clostridium saccharo-butyl-acetonicum-liquefaciens-gamma* and *Clostridium saccharo-butyl-acetonicum-liquefaciens-delta*.

2,139,112

BLOWER

John G. Catranis, Syracuse, N. Y., assignor to The Lamson Company, Syracuse, N. Y., a corporation of Massachusetts

Application December 11, 1936, Serial No. 115,380
6 Claims. (Cl. 230—130)



1. A blower including a housing having therein a primary and a secondary fan chamber and a compartment through which the air passes from the primary fan chamber to the secondary fan chamber, motor operated impellers in said chambers by which the air is set into motion, said fan chambers being each defined by a front wall, bearing at its periphery upon the housing wall and having a central opening therein, and a rear wall and said compartment being defined by the rear wall of the primary chamber and a partition bearing at its periphery upon the housing wall and having a central opening therein in register with the opening in the front wall of the secondary chamber said front wall and said partition being in contact at the periphery of said opening and an annular air outlet formed between the peripheries of the front and rear walls of the secondary chamber leading directly to atmosphere.

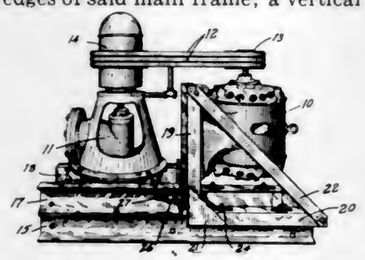
2,139,113

MOTOR MOUNTING FOR PUMPS

Thaddeus E. Cline and Ray E. Tipton, Denver, Colo.

Application September 7, 1937, Serial No. 162,582
3 Claims. (Cl. 248—23)

1. A motor mounting for pumps comprising: a main frame; means for supporting a pump on said main frame; a motor carriage consisting of two side frames, each side frame comprising a horizontal, flanged angle member fitting over the side edges of said main frame; a vertical member



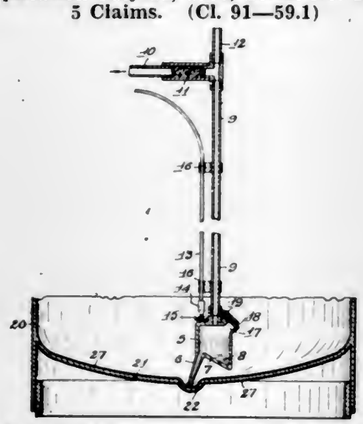
arising from one extremity of each horizontal angle member; cross members connecting the vertical members of said side frames; a motor mounted on said cross members and projecting over and above the horizontal angle members with its shaft at right angles to the latter.

2,139,114

DEVICE FOR REMOVING MOLTEN METAL

Isaié J. B. Demers, St. Paul, Minn., assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa., a corporation of Delaware

Application July 31, 1937, Serial No. 156,694
5 Claims. (Cl. 91—59.1)



1. A device for removing pools of molten metal from the interior surfaces of containers in the process of hot plating the same comprising, a hollow head adapted to be inserted through an opening in a container, an inlet passage for molten plating material communicating with the interior of said head and projecting downwardly therefrom and means for creating suction in said head.

2,139,115

PROCESS FOR PRODUCING UNSATURATED ALCOHOLS

William Engs, Oakland, Henry W. de Jong, Berkeley, and Miroslav W. Tamele, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application April 3, 1937, Serial No. 134,926
16 Claims. (Cl. 260—640)

1. A process for the production of unsaturated alcoholic bodies from saturated polyhalides having at least three carbon atoms in an aliphatic chain of which two contiguous carbon atoms are

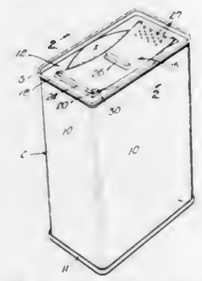
halogenated and the contiguous third carbon atom is linked with at least one hydrogen atom, which comprises heating said polyhalides with more than the stoichiometric amount of water under a pressure at least equal to the autogenic pressure and under alkaline conditions at a temperature above 80° C. but below that at which substantial polymerization occurs, and removing the unsaturated alcoholic bodies from the reaction system.

2,139,116

CLOSURE FOR CONTAINERS

William J. Geist, Maplewood, Mo.

Application November 17, 1937, Serial No. 175,058
12 Claims. (Cl. 221—62)



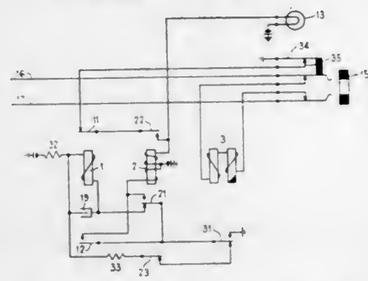
1. A cap for a container comprising, a body having a preformed opening of substantial size, a curved concave seat drawn in the body around the opening, guideways on the body at opposite sides of the seat, and an initially flat closure having opposite edges received in the guideways to be curved thereby to conform to the seat and shiftable on the seat to project from either end of the seat to control the opening.

2,139,117

DELAYED SIGNALING SYSTEM

Fernand Pierre Gohorel, Paris, France, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application October 31, 1935, Serial No. 47,562
In France December 13, 1934
5 Claims. (Cl. 175—320)



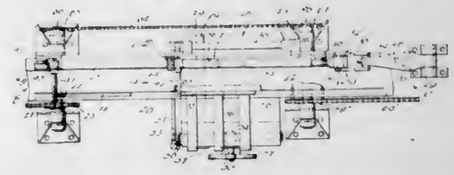
1. In a delay device, a relay and an operating circuit therefor, a second relay having a circuit closed by contacts on said first relay, a third relay having a circuit closed by said first and second relays jointly, a locking circuit for said third relay closed through contacts of said first and third relays, contacts in the circuit of said second relay opened by the operation of said third relay, a second locking circuit for said third relay, including a contact thereon, closed by the deenergization of said second relay, and another circuit in parallel with a part of said second locking circuit for operating a translating device.

2,139,118

BOOK STITCHER

Joseph J. Governale, Chicago, Ill.

Application September 19, 1936, Serial No. 101,593
6 Claims. (Cl. 1—7)



1. The invention herein described and comprising means for moving books to be stitched step by step along a line of travel past a stitching position and including a reciprocal bar, means for moving the bar forward and back to an amount equal to the length of one step, a pair of book engaging projections rigidly carried by the bar and spaced thereon equal to one step of book advancement, means for partially rotating the bar in one direction at the rearward limit of its movement to engage the projections behind the books to be moved, and means for partially rotating the bar in the opposite direction at the forward limit of its movement to disengage the projections from the books, whereby the book dwells at the stitching position.

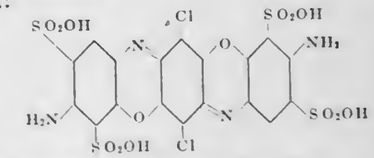
2,139,119

DIOXAZINE SULPHONIC ACIDS

Heinrich Greune and Ernst Sturm, Frankfort-on-the-Main-Hochst, and Martin Reuter, Frankfort-on-the-Main-Unterliederbach, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application January 22, 1936, Serial No. 60,346. In Germany February 2, 1935
1 Claim. (Cl. 260—246)

The sodium salt of the compound of the formula:



dyeing cotton vivid reddish blue tints.

2,139,120

PROCESS FOR THE PRODUCTION OF NITRO-HYDROXY COMPOUNDS

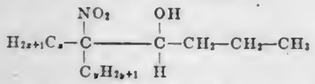
Henry B. Hass, West Lafayette, and Byron M. Vanderbilt, Terre Haute, Ind., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana

No Drawing. Application June 7, 1937, Serial No. 146,852
10 Claims. (Cl. 260—632)

1. In a process for the production of nitro-hydroxy compounds by the reaction of nitro-paraffins and aldehydes, the improvement which comprises effecting the reaction in the presence of a catalyst essentially comprising an hydroxide of an alkaline earth metal.

2,139,121
ALIPHATIC NITROALCOHOLS
Henry B. Hass, West Lafayette, and Byron M. Vanderbilt, Terre Haute, Ind., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana
No Drawing. Application June 25, 1937, Serial No. 150,312
4 Claims. (Cl. 260—632)

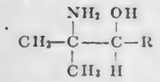
1. A nitroalcohol of the formula:



wherein x is an integer, y is a numeral selected from the class consisting of zero and integers, and x plus y is less than four.

2,139,122
ALIPHATIC AMINOALCOHOLS
Henry B. Hass, West Lafayette, and Byron M. Vanderbilt, Terre Haute, Ind., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana
No Drawing. Application August 13, 1937, Serial No. 158,956
3 Claims. (Cl. 260—584)

1. An aminoalcohol of the formula:



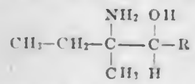
wherein R consists of a member of the group consisting of H and CH_3.

2,139,123
AMINOALCOHOL
Henry B. Hass, West Lafayette, and Byron M. Vanderbilt, Terre Haute, Ind., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana
No Drawing. Application August 13, 1937, Serial No. 158,957
1 Claim. (Cl. 260—584)

2-amino-1-pentanol.

2,139,124
AMINOALCOHOLS
Henry B. Hass, West Lafayette, and Byron M. Vanderbilt, Terre Haute, Ind., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana
No Drawing. Application August 13, 1937, Serial No. 158,958
3 Claims. (Cl. 260—584)

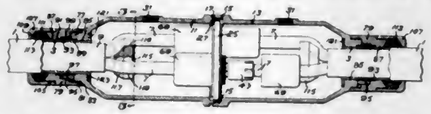
1. An aminoalcohol of the formula:



wherein R consists of a member of the group consisting of H and CH_3.

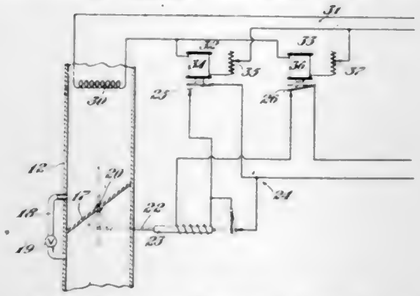
2,139,125
CONNECTING DEVICE FOR ELECTRICAL CONDUCTORS
Alfred J. Hixon, Braintree, Mass.
Application July 13, 1934, Serial No. 734,971
8 Claims. (Cl. 173—268)

1. A housing for the end of an insulated cable or the like having, in combination, a casing provided with an opening through which the end of said cable may be entered into the casing, radially contractible means carried by said casing for gripping the insulated portion of the cable within said opening substantially throughout the circumference thereof for securing the cable to the casing, means for contracting said



radially contractible means comprising a ring surrounding said contractible means and movable as a body radially of said opening, and means having a connection with said ring for so moving it comprising a ring member surrounding said cable and rotatably mounted on said casing.

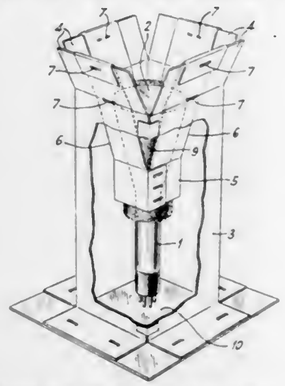
2,139,126
PNEUMATIC DISPATCH SYSTEM
Chester S. Jennings, Syracuse, N. Y., assignor to The Lamson Company, Syracuse, N. Y., a corporation of Massachusetts
Application August 4, 1937, Serial No. 157,343
8 Claims. (Cl. 243—12)



1. In a pneumatic dispatch system a power control of the minimum flow type comprising a tube, a normally closed valve therein and means actuated by the flow of air through the tube for opening and closing said valve, said means including a solenoid which when energized opens said valve and an electric circuit by which the solenoid is energized, one element of said circuit being a coil in the flow of air through the tube, which coil is heated to a predetermined temperature under minimum flow conditions and is raised above said temperature when the air flow is reduced whereby the solenoid is energized when the temperature of the coil is raised and is deenergized when the temperature of the coil is reduced.

2,139,127
CARTON
Edwin Mandusky, Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, a corporation of Delaware
Application June 30, 1937, Serial No. 151,085
3 Claims. (Cl. 229—6)

1. A container for an electron discharge device having an envelope with a cylindrical neck portion and a coaxial conical bulb portion, comprising a tubular box with rectangular sides and flaps on the ends of each side, means for resiliently centering said device in said box comprising a tubular sleeve with rectangular sides frictionally engaging the neck portion of the envelope, and a strap extending from one end of each of said sides of said sleeve, each strap being secured to one flap at one end of the box to form a cone



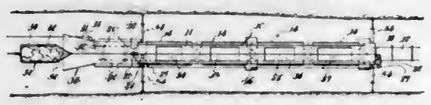
shaped cradle for engaging the conical bulb portion of the tube.

2,139,128
TUFTING BUTTON
Joseph Martin, Laurelton, N. Y., assignor to United States Cabinet Bed Co., Brooklyn, N. Y., a corporation of New York
Application December 12, 1936, Serial No. 115,501
3 Claims. (Cl. 24—102)



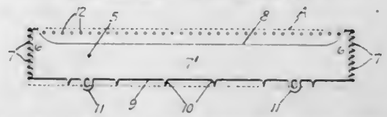
1. A tufting button having two wire portions, each comprising a leg portion, a loop, and a terminal portion forming an acute angle with its leg portion, the two leg portions extending in the same direction adjacent to one another, each wire portion having its loop formed between its leg portion and its terminal portion and crossing its leg portion, the terminal portions extending beyond and from, opposite sides of said loops to guide two portions of tufting twine into position between said adjacent loops where spaced portions of said twine will be positioned between said loops in final position and the loops disposed adjacent to one another frictionally to engage the spaced portions of the twine between them.

2,139,129
APPARATUS FOR HANDLING MATERIAL IN MINES
Timothy F. McCarthy, Indiana, Pa.
Application August 18, 1937, Serial No. 159,627
12 Claims. (Cl. 214—110)



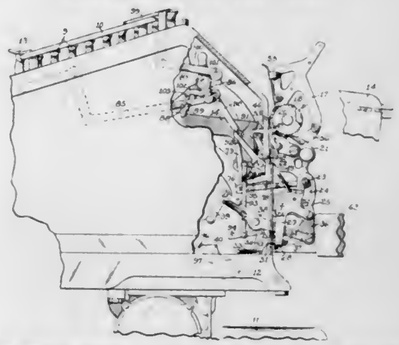
1. In an apparatus for handling material in mines, in combination, a draft operated scraper, an extensible sectional movable frame adapted to span and extend along a mine track and provided with a passageway extending therealong, a series of mine cars adapted to move along said mine track and extend under said frame, said frame being provided with a runway on its upper side having an inlined approach extending to the ground to permit movement of said scraper upwardly therealong from the ground and along said runway, and spaced apart openings in said runway, each one of said openings being adapted to be disposed directly above one of said mine cars for the discharge of material directly into said cars from said passageway, said runway being so arranged that it may be extended over the cars to permit a complete cut to be loaded out upon extension of said frame and said openings being so arranged with respect to said cars that when the first of said cars is filled, the material therein will form a bottom for said passageway over which said scraper may move, for successively trimming the loaded cars and loading the next successive cars on said track.

2,139,130
STRETCHER TOPPING AND TAKE-OFF BAR FOR ELASTIC HOSIERY WELTS AND THE LIKE
Edward A. Mohr, Wyomissing, Pa., assignor to The Nolde and Horst Company, Reading, Pa., a corporation of Pennsylvania
Application November 30, 1935, Serial No. 52,287
3 Claims. (Cl. 66—147)



1. A stretcher bar for topping elastic welts and the like upon the needles of a knitting machine, consisting of a flat bar having serrated ends adapted to engage and hold the welt in longitudinally stretched position thereon, and a cut-back sinker-clearing intermediate portion of said bar adapted to freely expose a topping edge portion of the stretched welt.

2,139,131
CALCULATING MACHINE
Robert L. Muller, Detroit, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan
Application June 1, 1937, Serial No. 145,718
Renewed May 28, 1938
26 Claims. (Cl. 197—128)



2. A front-feed machine of the class described having a printing means normally operating at a predetermined time during a machine operation, a platen, front-feed means for enabling a work sheet to be front fed relative to said platen, said front-feed means including portions forming a throat that is movable from a closed to an open-throat condition and vice versa, said throat being urged to open condition, means for closing said throat, a latching means for maintaining said

throat in closed condition, and means conditionable by the manipulation of a single member for rendering said latching means ineffective and for causing said throat-opening means to automatically open the throat after an operation of the printing means, whereby, when said manipulative member is manipulated and the machine operated, the throat will be opened.

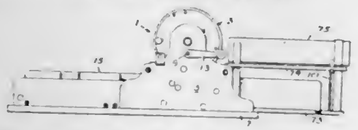
2,139,132

SLIP SHEETING DEVICE

Ferdinand Nigra, San Francisco, Calif., assignor to Niagara Duplicator Company, San Francisco, Calif., a corporation of California

Original application October 22, 1934, Serial No. 749,328. Divided and this application March 9, 1936, Serial No. 67,927

7 Claims. (Cl. 34—1)



1. In combination with a continuously operable duplicator, a tray for receiving printed sheets from the duplicator in horizontal disposition, a stack of slip sheets in horizontal disposition and for the release of the bottom sheet of the stack for gravity delivery upon a printed sheet in the tray and before the succeeding printed sheet is deposited in the tray, means for releasing successive slip sheets from the bottom of the stack upon different printed sheets delivered to the tray, and a U-shaped member engaged transversely and freely through said stack of slip sheets said member being inverted and having its legs removably extending into the tray bottom whereby the legs of the member are operative as a stop for the printed sheets and a guide means for the falling slip sheets.

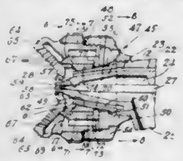
2,139,133

AIRBRUSH

Jens A. Paasche, Wilmette, Ill.

Application September 28, 1936, Serial No. 102,832

5 Claims. (Cl. 299—140.1)



4. A nozzle construction of the character described comprising, in combination, a nozzle head having a bore for discharging a flaring column of material adapted to produce a round spray pattern, a plurality of pressure fluid discharge orifices located on opposite sides of said bore and arranged in progressive series generally in line with the column of material, each orifice in each series being directed to cause a jet therefrom to strike at one side of the axis of said column on an axis spaced from the axis of an adjacent jet of the series but in alinement therewith to act progressively longitudinally of the column, said jets being coactive to spread the column fanwise into a uniform elongated pattern, and means for controlling the volume of pressure fluid issuing from said orifices independently of said bore to vary the shape of the spray pattern from round through selective gradations to full fan.

2,139,134

LIQUIDS SUCH AS DRIERS SUITABLE FOR PAINT OR VARNISH AND PROCESSES FOR MAKING THEM

Leo Roon, New York, N. Y., assignor to Nuodex Products Co. Inc., Newark, N. J., a corporation of New York

No Drawing. Application April 11, 1934, Serial No. 720,072

1 Claim. (Cl. 134—57)

Process of producing a liquid drier for paints and varnishes having, as an active ingredient, an oil-soluble metal salt of substantially water white naphthenic acid, which comprises reacting together at a temperature below the boiling point of water, an aqueous solution of an alkali metal salt of such naphthenic acid, and an aqueous solution of an inorganic drying metal salt in the immediate presence of a liquid coating composition thinner which is a solvent for the oil-soluble reaction product which is substantially insoluble in water and which thinner is immiscible with water, whereby said oil-soluble reaction product, simultaneously with the reaction, dissolves in the thinner and the by-product of the reaction simultaneously dissolves in the water, and separating the solution of the reaction product in the thinner from the aqueous solution of the by-product salts.

2,139,135

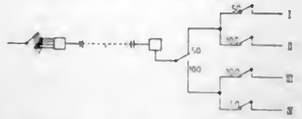
TELEPHONE SYSTEM

Gerhard Rothert, Berlin-Siemensstadt, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany

Application July 27, 1936, Serial No. 92,773

In Germany August 20, 1935

11 Claims. (Cl. 179—16)



1. In an automatic telephone system, a repeater, outgoing trunks accessible to said repeater, an incoming control trunk over which alternating current pulses of the same or different frequencies are transmitted to said repeater for selecting any one of said outgoing trunks, means in said repeater controlled by a preliminary pulse of alternating current of one frequency for selecting one pair of said outgoing trunks, means in said repeater controlled by a preliminary pulse of alternating current of another frequency for selecting another pair of said outgoing trunks, and means in said repeater controlled by the first pulse of a subsequent numerical series of impulses of alternating current of either of said frequencies for disconnecting a particular one of the outgoing trunks of the selected pair of trunks.

2,139,136

SHAVING IMPLEMENT

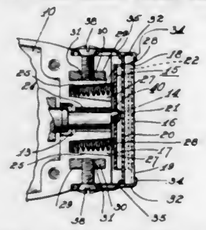
Henry T. Schiff, Chicago, Ill.

Application March 11, 1938, Serial No. 195,338

1 Claim. (Cl. 30—43)

A shaving implement comprising a casing, a stationary member having slits attached to said casing, a movable member having teeth positioned against said stationary member, a driving shaft having an eccentric adapted to contact said movable member so that upon movement of said shaft the teeth of the movable member operate transversely to the slits in said stationary member, said casing having a pair of slots on opposite sides

of said driving shaft, said slots having a narrow closed bottom and tapering upwardly and outwardly to a wider open top, a pair of resilient members positioned in said slots, the bottoms of said resilient members held in fixed position by the narrow bottoms of said slots, the tops of said resilient members contacting the outer side of said movable member and permitted by the tapering portion and the wider open top of the notches to travel with said movable member and apply continuous balanced frictionless pressure on the movable member against the stationary member, said casing having adjacent its upper sides a pair of oppositely disposed slots, a pair of nuts fitted within said slots, said nuts each having a screw



threaded aperture, said casing having on its upper side portions a pair of oppositely disposed notches, a pair of clamping members each having body portions adapted to fit within each of said notches, said body portions each having a screw threaded aperture, said clamping members each having an inturned flange adapted to engage the stationary member, and screw threaded bolts adapted to pass through the screw threaded apertures of the body portions of the clamping members and the nuts to hold the clamping members, the stationary member, the movable member and the resilient members against accidental displacement and to retain the resilient members in normal pressure exerted position against the movable member.

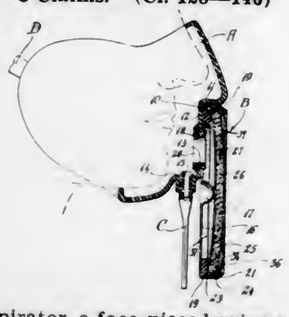
2,139,137

FILTER TYPE RESPIRATOR

Nathan Schwartz, New York, N. Y.

Application July 16, 1937, Serial No. 153,885

3 Claims. (Cl. 128—146)



1. A respirator, a face-piece having a body portion with an inlet port, a filter unit including a plate with an aperture and a marginal flange, filter material, foraminous supporting element for the said material, and means for mounting the said material and its supporting element in the said unit comprising an annular washer disposed at the inner peripheral portion of the said plate, with the said flange having a plurality of inward protrusions and the said material disposed in covering relation to the inner side of the said element, with the material and the element mounted at the said flange with the element impinging the edges of the material against the angular washer, the said protrusions clamping the element and securing its edges at the said marginal engagement, insuring a leak proof joint thereat, and a threaded bolt disposed centrally, engaging the said plate, material and element with a threaded nut at one end of the said bolt, threaded thereat to clamp together the central portions of the said plate, material and element, and the said inlet port is connected with the said aperture establishing communication therebetween.

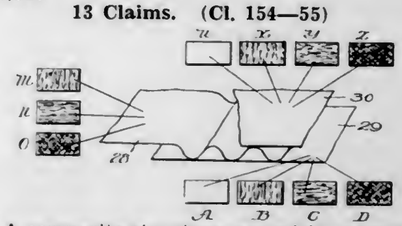
2,139,138

CORRUGATED STRUCTURE

Allen L. Spafford, Cloquet, Minn., assignor to Wood Conversion Company, Cloquet, Minn., a corporation of Delaware

Original application October 16, 1931, Serial No. 569,198, now Patent No. 2,104,060. Divided and this application August 7, 1937, Serial No. 157,817

13 Claims. (Cl. 154—55)



1. A composite structure comprising essentially a sheet having parallel corrugations, which sheet is creped with lines at right angles to the lines of corrugation to provide stretch in the direction of the lines of corrugation, and a flexible facing sheet secured thereto, said composite corrugated structure being flexible transversely of the lines of corrugation.

2,139,139

FOOD PRODUCT FOR TREATMENT OF INFANTILE DIARRHEA

Charles A. Tompkins, Indianapolis, Ind., assignor to Mead Johnson & Company, Evansville, Ind., a corporation of Indiana

No Drawing. Application February 8, 1936, Serial No. 62,989

2 Claims. (Cl. 167—55)

2. A gel forming, diarrhea controlling product in its dry state which will form a gel when added to aqueous media and boiled, said product containing as its gel forming constituents pectin and agar-agar.

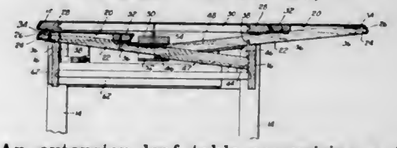
2,139,140

EXTENSION LEAF TABLE

John C. Viehmann, Flushing, N. Y.

Application March 4, 1937, Serial No. 128,895

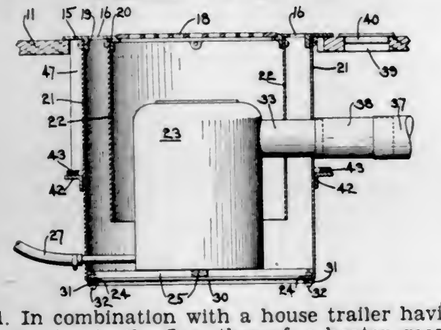
4 Claims. (Cl. 311—56)



1. An extension leaf table comprising a table top, rails therebeneath and spaced therefrom to receive extension leaves, slides extending transversely of each leaf beneath the table top, said slides being disposed above the rails, the outer ends of said slides extending substantially as far as the outer edges of the leaves and being reduced

to a comparatively small dimension in a vertical direction and being concealed behind the outer edge of the leaf.

2,139,141
HEATER FOR HOUSE TRAILERS
Theodore M. Vullings, Grand Rapids, Mich.
Application July 1, 1937, Serial No. 151,345
5 Claims. (Cl. 126—56)

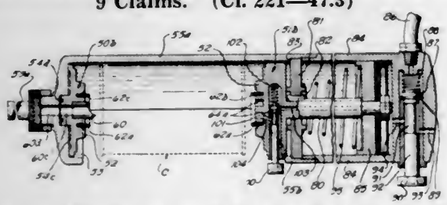


1. In combination with a house trailer having an opening in the floor thereof, a heater, means for movably mounting the heater in said opening whereby it is movable therefrom to a position inwardly from its normal position so that it is more or less housed within the said trailer, spring means for moving the said heater to said position within the said trailer and means for holding it against movement by the said last mentioned means.

2,139,142
PURIFICATION OF MATERIALS CONTAINING NITRITE
Charles Fitch Weston, Prince George County, Va., assignor, by mesne assignments, to The Solvay Process Company, New York, N. Y., a corporation of New York
No Drawing. Application April 13, 1934, Serial No. 720,436. Renewed September 15, 1937
4 Claims. (Cl. 23—102)

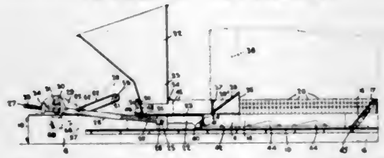
1. The method of removing nitrous acid from a nitrous acid-containing, aqueous sodium nitrate solution, which comprises adding an aqueous ammonia solution containing urea to the nitrate solution while it contains free nitric acid.

2,139,143
COLLAPSING CONTAINER AND COLLAPSING DEVICE
Norman N. Wiswell, Los Angeles, Calif.
Application March 27, 1937, Serial No. 133,389
9 Claims. (Cl. 221—47.3)



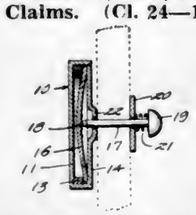
7. In devices for collapsing and expressing the contents from a container of the type described, a frame, a pair of opposed container engaging heads mounted in said frame, one of said heads being relatively longitudinally movable to and from the other, means forcibly to move said movable head toward the other head, said last mentioned means being fluid pressure actuated and comprising a cylinder and pitson, a piston rod carrying said movable head, and a controlling valve; a perforator mounted on the other of said heads and projecting from it toward the movable head, the movable head having a recess adapted to take the projecting perforator when the two heads approach each other, and valve controlled means for admitting fluid pressure to said recess.

2,139,144
UNDERFEED STOKER EQUIPMENT
Milburn Edgar Yeager, West Somerville, Mass., assignor to National Engineering & Manufacturing Company, a corporation of Rhode Island
Application June 30, 1934, Serial No. 733,238
13 Claims. (Cl. 110—47)



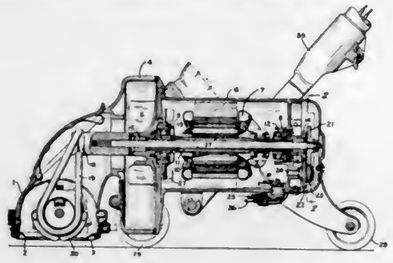
9. In an underfeed stoker assembly for furnaces, a wind box, tuyères positioned on said wind box, a retort associated with said wind box, a ram box in alignment with and communicating with said retort, a ram movable in said ram box, power means for reciprocating said ram, a coal hopper, and a conveyor device operated by said ram for receiving coal from said hopper, said conveyor device comprising means whereby movement of said ram towards the furnace carries one charge of coal forwardly towards the retort and also forces another charge of coal from the ram box into the retort, and movement of the ram in the opposite direction permits passage of the conveyor charge into the ram box.

2,139,145
FASTENING DEVICE
Royal A. Young, Walsh, Colo.
Application November 2, 1937, Serial No. 172,456
3 Claims. (Cl. 24—104)



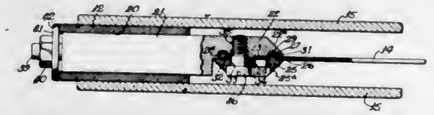
1. A fastening device of the character described, comprising a hollow body having a front wall, an integral flange encircling said front wall and a back wall in the form of a plate secured to said flange in spaced relation with the front wall, said plate having a slot formed therethrough in the central part thereof and being pressed outwardly to form an elongated detent extending across and perpendicularly to said slot, an imperforate resilient disk within the body disposed flat against the inner side of said plate, resilient means disposed against the inner side of said flange between said disk at the periphery thereof and said front wall, a shaft having a transverse bar at one end formed for insertion through said slot against said resilient disk and adapted to be turned by flexing said disk inwardly to dispose the bar across the slot in the detent, a head upon the other end of the shaft, a flat body having the shaft passing therethrough, and resilient means between the flat body and said head normally urging the two apart.

2,139,146
SUCTION CLEANER
Bernard C. Becker, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application March 9, 1936, Serial No. 67,892
2 Claims. (Cl. 15—8)



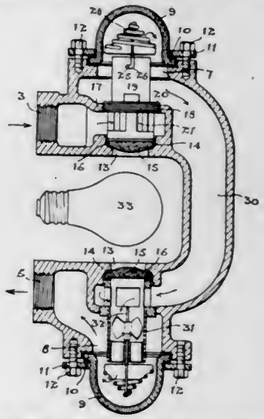
1. In a suction cleaner having a nozzle, a rotary agitator therein, a fan chamber connected to said nozzle, a fan in said fan chamber, a pulley axially alined with said fan, and a belt connecting said pulley to said agitator; means to rotate said pulley at a speed less than that of said fan, said means comprising a motor having a hollow shaft on which said fan is mounted, a gear at the opposite end of said shaft, a second shaft extended longitudinally of said hollow shaft and on which said pulley is mounted, bearings carried by said gear and by said fan rotatably supporting said second shaft, and power-transmitting speed-reducing means connecting said independently rotatable shaft to said hollow shaft.

2,139,147
SAW BLADE SUPPORTING AND CLAMPING DEVICE
George J. Blum, Chicago, Ill., assignor to Armstrong-Blum Mfg. Co., Chicago, Ill., a corporation of Illinois
Application April 8, 1936, Serial No. 73,280
2 Claims. (Cl. 145—35)



1. A blade holder for a hack saw or the like comprising a pair of cooperating separable jaws provided with opposed clamping surfaces, one of said jaws having a pair of blade anchoring elements projecting from the clamping surface thereof and arranged substantially on the longitudinal center thereof, the other of said jaws being provided with complementary recesses adapted to receive said anchoring elements, one of said recesses being formed in the clamping surface of said other jaw, a transverse shoulder on said other jaw providing a fulcrum for said one jaw, said other jaw having an aperture therein intermediate the recess, said one jaw having a pair of alined apertures therein intermediate said anchoring elements and arranged to be alternately placed in registry with said first named aperture when said one jaw is turned end for end and said anchoring elements are alined with said recesses, and means insertable into said registering apertures for detachably securing said jaws together in clamping relation with either of said anchoring elements positioned to engage a saw blade interposed between said jaws.

2,139,148
SIGHT GAUGE FOR LIQUID DISPENSING PUMPS
William H. D. Brouse, Toronto, Ontario, Canada, assignor to International Metal Industries Limited, Toronto, Ontario, Canada
Application December 31, 1937, Serial No. 182,864
12 Claims. (Cl. 116—117)



1. A sight gauge for liquid dispensing pumps having a liquid flow passage provided with oppositely disposed transparent elements, rotatable light-reflecting members supported adjacent to and visible through said transparent elements, means operated by the flow of liquid for rotating said reflecting members, and means for directing light through the liquid to illuminate said transparent and light reflecting members including a light source disposed between and directing rays toward said respective light-reflecting members.

2,139,149
INTERCHANGING SIGN
Spencer M. Brown, deceased, late of Los Angeles, Calif., by Charles C. Brown, administrator, Los Angeles, Calif.
Application September 28, 1937, Serial No. 166,108
3 Claims. (Cl. 40—65)



1. A sign having a display area formed of two series of ribbons woven at right angles forming sets of alternately exposed and concealed spaces on each ribbon, and means for sliding one said series of ribbons diagonally to shift the relative positions of the ribbons in a manner to interchange said exposed and concealed spaces.

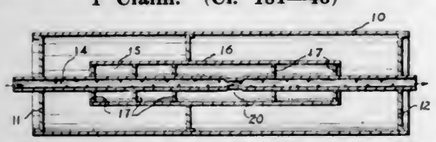
2,139,150
DISPLAY BOARD
Rolland G. Curtis and Clair L. Boland, Flint, Mich.
Application February 12, 1936. Serial No. 63,561
3 Claims. (Cl. 206—80)



1. A display board having an opening therethrough, and a pair of transparent members

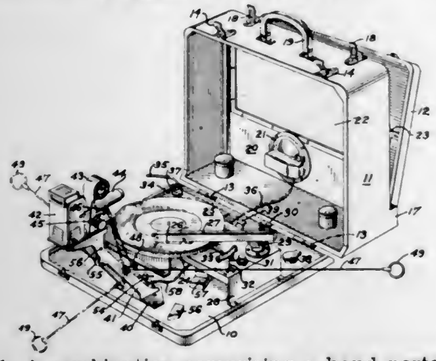
slightly larger than the opening adapted to springably fit therein in spaced relation to each other whereby an article may be disposed between the two transparent members for display on its opposite sides.

2,139,151
SILENCER CONSTRUCTION
Floyd E. Deremer, Detroit, Mich.
Application March 16, 1936, Serial No. 69,101
1 Claim. (Cl. 181—48)



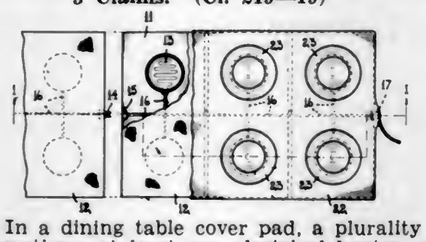
In a silencer, an outer casing having end headers, an inner tube passing through the headers and the interior of the silencer, an intermediate tube surrounding only that part of the inlet tube remote from the headers, transverse diaphragms in the annular space between the tubes dividing such space into annular chambers, the inner tube having perforations therein between the header and each end of the intermediate tube directly communicating the interior of the inner tube with the space surrounding the intermediate tube, and also having perforations opening into the annular chambers.

2,139,152
COMBINED SOUND AND PICTURE REPRODUCING APPARATUS
Frank Freimann, Fort Wayne, Ind., assignor to Electro-Acoustic Products Company, Fort Wayne, Ind., a corporation of Illinois
Application November 30, 1936, Serial No. 113,441
4 Claims. (Cl. 88—28)



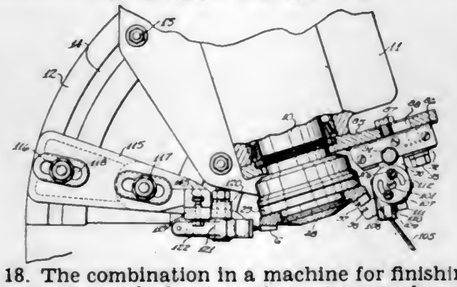
1. A combination comprising a hand portable carrying case of rectangular form and having a main body portion, a side portion fixedly attached to the main body portion, the top part of said side portion having a screen element and the bottom portion having a panel supporting a loudspeaker element, the side of the case opposite the said side portion being movable to a horizontal position when open and forming a foundation portion hinged to the main body portion along one bottom edge to form a rigid foundation for a picture and sound reproducing apparatus, means mounted on the inside of said foundation portion for supporting sound reproduction means, a fixed bearing plate at the outer part of said foundation portion opposite to the hinged edge, a lantern support adjustably secured to said bearing plate, a projection lantern operatively secured to the upper end of said support in optical alignment with said screen element, a removable cover element on the side of said casing adjacent to said screen, whereby the screen may be viewed from the side opposite to the lantern, said foundation portion and said cover element forming closure sides for said main body portion to form a closed case containing the lantern, sound reproduction means and screen as a single hand portable combination whereby the said device may be readily transported.

2,139,153
PLATE WARMING TABLE PAD
Lill K. Frolich, Louisville, Nebr.
Application February 19, 1937, Serial No. 126,590
3 Claims. (Cl. 219—19)



1. In a dining table cover pad, a plurality of pad-sections, at least one electrical heater embedded in each section, said sections adapted to lie in substantially the same horizontal plane on an elongated table top, oppositely disposed male and female electrical socket members on opposite free sides of each pad-section and disposed intermediate the top and bottom face thereof, electrical wires in communication with said heaters and said socket members, said members adapted to lie in substantially the same plane on an elongated table top and arranged to be connected at opposite sides of the pad with corresponding interfitting socket members in a contiguous like pad, each pad-section including a plurality of members formed of pad material and a covering enclosing the pad material and providing hinge strips, whereby the pad members are joined in such a manner as to permit folding of one pad member upon another pad member when the cover pad is not in use.

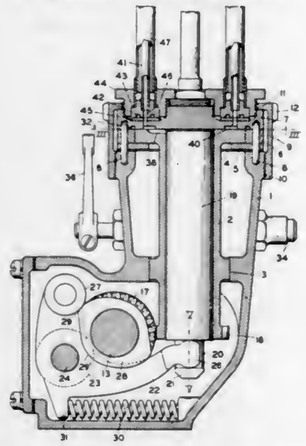
2,139,154
GEAR CUTTING MACHINE
Clarence T. Galloway, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application December 28, 1936, Serial No. 117,694
18 Claims. (Cl. 90—2)



18. The combination in a machine for finishing previously roughed gears, of a rotary work support, a tool for finishing the tooth surfaces of a previously roughed gear, means for rotating the work support to bring the tooth spaces of the work successively into engagement with the tool, and

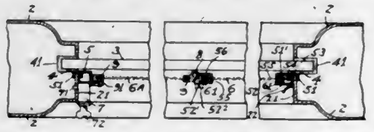
means mounted in operative relation with the work and operable automatically in time with the rotating means to test successively each tooth space of the gear before it is rotated into engagement with the tool.

2,139,155
FUEL INJECTION SYSTEM
Waldo G. Gernandt, Berkeley, Calif.
Application March 15, 1937, Serial No. 130,919
5 Claims. (Cl. 123—138)



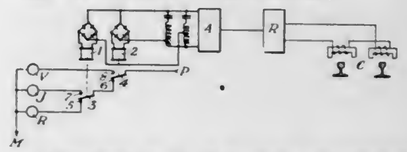
1. A fuel pump for internal combustion motors including a body having a pump chamber therein; a plunger slidable in said chamber; means for reciprocating said plunger; a distributor head fixed on said body and having therein a fuel supply groove, a lead communicating with a source of compressed gas, and an outlet communicating with a fuel injector; a member rotatably mounted in said body in slidable engagement with said head and having a channel therein communicating with said pump chamber and adapted to register successively with said fuel supply groove, said gas lead, and said injector outlet; and means for driving said rotatable member in timed relation to said reciprocating plunger so that said channel registers with said fuel supply groove and said gas lead during the intake stroke of said plunger and with said injector outlet during the discharge stroke of the plunger.

2,139,156
DETACHABLE SCREEN FOR AUTOMOBILES
Leroy G. Gill, Detroit, Mich.
Application October 2, 1936, Serial No. 103,680
2 Claims. (Cl. 156—14)



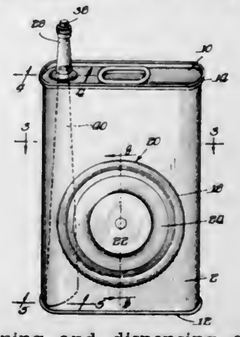
1. In a device of the character described, the combination, with an automobile having a window opening therein, of a hollow moulding defining said opening and having a slot extending around the inner face thereof, a frame of channel-like section extending therearound and having its base passing through said slot with one leg of the channel overlying the rear surface of the moulding, a screen having a stiffening member upon its periphery and fitting within said frame, and a cover detachably secured to said frame and adapted to retain said screen therewithin.

2,139,157
DEVICE FOR THE REPETITION OF SIGNALS ON A VEHICLE
Louis Girardin, Paris, France, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application June 4, 1936, Serial No. 83,469
In France January 6, 1936
9 Claims. (Cl. 246—63)



1. In combination, a first relay selectively operated to an energized position in response to current modulated at a first frequency, a signal, means controlled by said first relay for causing said signal to provide a substantially constant indication, a second relay responsive to current modulated at a second frequency which is lower than said first frequency, said second relay being timed to follow the modulations at said second frequency, and means controlled by said second relay for imposing a periodic variation on the indication provided by said signal.

2,139,158
POWDER DISPENSING CAN
John Glover, Chicago, Ill., assignor, by mesne assignments, to Midway Chemical Co., Jersey City, N. J., a corporation of New Jersey
Application June 29, 1936, Serial No. 87,905
9 Claims. (Cl. 221—61)



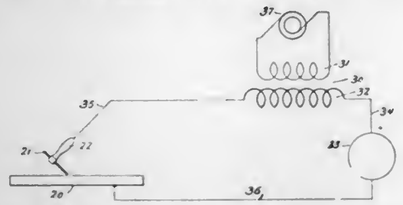
1. A shipping and dispensing container for powdered material, comprising a tubular body wall having opposed substantially flat end closures secured thereto, one of said closures having an opening closed by a removable cap for filling and refilling said container, a powder dispensing nozzle carried in one of said end closures, means for sealing said nozzle to prevent deterioration of the container contents and accidental dispensing of the same, said body wall having a cut-out portion defined by an annular bead and a clamping ring, and a bellows member disposed within said container for ejecting said contents through said nozzle when said sealing means is removed, said bellows member including a flexible diaphragm having its marginal portion secured between said annular bead and said clamping ring.

2,139,159
LOOSE LEAF BINDER
Charles B. Hammen, East Orange, N. J., assignor to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts
Application August 1, 1936, Serial No. 93,750
1 Claim. (Cl. 129—7)



A sheet perforator structure comprising a platen plate having a square edge flange at one corner to position a sheet, a set of female punching dies extending through said plate, recess means extending upwardly from the bottom of said plate and inwardly from the side thereof and around the outlets of said dies, a second platen plate hinged at the edge of the first plate, said second plate being about the thickness of said corner flange, male punching dies extending from the face of the second plate, said hinged plates being foldable into a flat laminated metal strip formation, a loose leaf binder case having its back panel attached to said first-mentioned platen plate so as to cover said plate while forming open-sided pockets with said recesses on the bottom side of the plate.

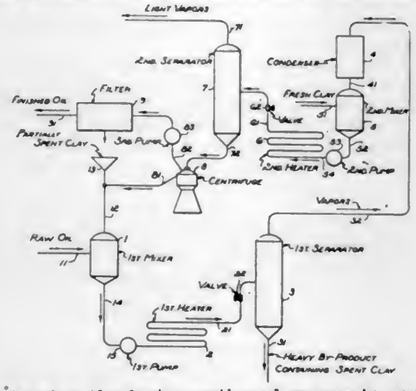
2,139,160
METHOD OF WELDING
Edward S. Hebeler, Williamsville, N. Y.
Application April 30, 1936, Serial No. 77,211
7 Claims. (Cl. 219—10)



1. In the welding of metals by direct-current electricity, a method of stabilizing the welding arc, which includes, as a step, creating and maintaining a continuous pulsating unidirectional flow of electricity through the welding electrode.

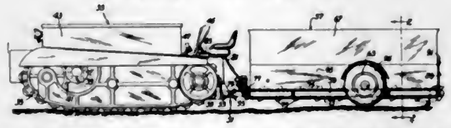
2,139,161
PROCESS OF REFINING OIL
George Howard Hutchins, Hollywood, Calif., and Arthur W. Hartigan, New York, N. Y., assignors to Filtrol Company of California, Los Angeles, Calif., a corporation of California
Application April 6, 1936, Serial No. 72,868
7 Claims. (Cl. 196—96)

1. A process of refining oil to produce as a commercially desirable by-product a composition of asphalt and spent adsorbent, said process comprising: mixing fresh finely divided adsorbent with incompletely processed oil in liquid phase; heating said mixture to a temperature at which vapors readily escape therefrom; removing vapors from the heated mixture; separating from said mixture completely processed oil, leaving a residuum of oil and partially spent adsorbent; mixing said residuum with unprocessed oil; heating this last mixture to a temperature at which vapors are released therefrom; separating the vapors from said mixture, leaving a residuum of oil and spent adsorbent as the required by-product; and



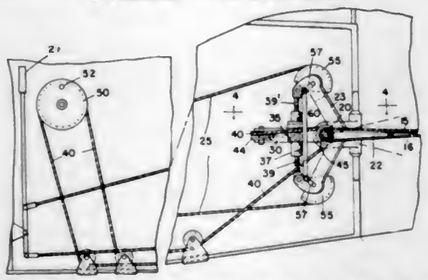
condensing the last-mentioned vapors to produce said incompletely processed oil.

2,139,162
APPARATUS FOR UNDERGROUND MINING
Gerald S. Jenkins, St. Louis, Mo.
Application May 12, 1937, Serial No. 142,160
5 Claims. (Cl. 214—83)



1. A dump-truck comprising a load-containing body, a bottom therein, a conveyor flight associated with said bottom and having a reach above the bottom and another reach below, said body having an exit opening adjacent one end of the flight, the reach of said flight above the bottom being movable toward said opening, a door adjacent said opening openable outwardly in the direction of movement of said upper reach, and means for reversely moving the flight in a direction so that said upper reach moves inward from said opening, said door being swingable normally to automatically close and to be locked by a reversely traveling portion of said flight.

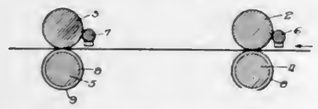
2,139,163
DUPLEX RETRACTILE ELEVATOR FOR AIRPLANES
Orsemus L. Ray Jones, Chicago, Ill.
Application January 7, 1938, Serial No. 183,841
4 Claims. (Cl. 244—87)



1. Means for retarding the air speed of aircraft, comprising in combination with a flying machine, flight directing means pivoted thereto upon a substantially fixed axis, including a pair

of leaves individually movable about said axis, operating means connected to said leaves for simultaneously swinging both thereof as a unit and in the same direction about said axis, separate operating means for swinging said leaves toward and from each other about said axis, comprising right and left threaded portions articulated to said leaves but held against rotation about a longitudinal axis, and a cooperatively threaded actuating element having right and left threaded portions engaging with said first mentioned threaded portions, said element being rotatable to move such first-mentioned threaded portions, and so the leaves, toward and from each other.

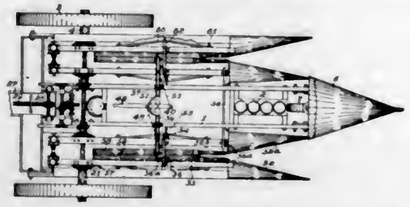
2,139,164
METHOD AND APPARATUS FOR PREVENTING SLIPPING IN PRINTING
Theodore E. Knowlton, Watertown, N. Y.
Application November 16, 1931, Serial No. 575,403
Renewed August 5, 1936
14 Claims. (Cl. 101—181)



13. A method of maintaining web registration with the spaced cylinders of a multiple press comprising feeding the web through the press, and securing and releasing the web across the width thereof at a plurality of spaced points in the length of the web to thereby positively secure the web in place against relative movement.

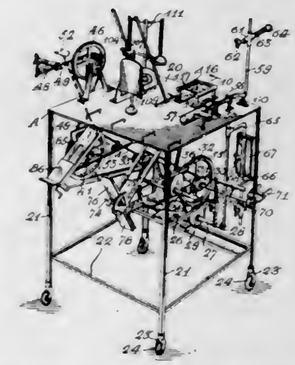
14. In a multiple press having spaced printing couples for printing different parts of a web adapted to be fed therethrough, a means for engaging and releasing the web across the width of one of the printing couples and means for engaging and releasing the web across the width of the other printing couple, thereby positively securing the web against relative movement.

2,139,165
CORN HARVESTER
Henry J. Kuhlman, Waterloo, Iowa, assignor to Kuhlman Manufacturing Company, Waterloo, Iowa, a corporation of Iowa
Application April 1, 1937, Serial No. 134,249
16 Claims. (Cl. 56—18)



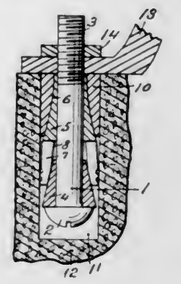
1. In combination in a corn harvester, laterally spaced frame bars, a rigid transverse arch member connected to and across said frame bars, truss-blocks mounted on the outer walls of the frame bars in transverse alinement with said arch member, truss-rods crossing and bearing medially upon said truss-blocks and end-connected to the frame bars, means for resiliently suspending said arch member, and other means for adjustably limiting the scope of movements vertically of the resilient means arch member and frame bars.

2,139,166
UNIVERSAL MECHANO-SURGICAL APPARATUS
Nicolas Leuchter, Montreal, Quebec, Canada, assignor of one-third to Rodolphe Lallemand and one-third to Pierre Z. Rheaume, both of Montreal, Quebec, Canada
Application August 1, 1935, Serial No. 34,121
2 Claims. (Cl. 128—25)



1. A mechano-surgical apparatus, comprising a frame, carrier wheels supporting said frame, a platform at the top of the frame, a leg exerciser pivoted to one side edge of the platform, means to oscillate said exerciser, an adjustable foot rest at the end of the exerciser, a downwardly inclined leg rest secured to the edge of the platform adjacent the leg exerciser, a pivoted foot plate at the outer end of the leg rest, means for oscillating the said plate, means for selectively varying the amplitude of the oscillating movement of said foot plate, bars pivoted below the platform and extending therethrough adjacent the edge opposite to that of the leg exerciser, a cross bar joining said bars, means for selectively oscillating said bars, and mechanism under the platform for operatively actuating the oscillating devices from a common power source.

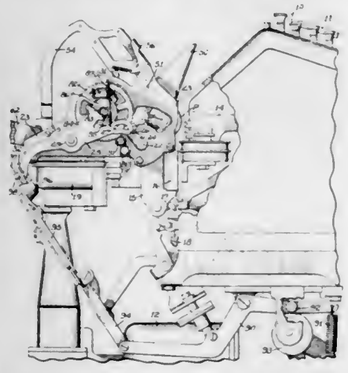
2,139,167
BOLT ANCHOR
George W. Marshall, Blue Springs, Mo.
Application June 24, 1938, Serial No. 215,635
4 Claims. (Cl. 85—2.4)



1. In an anchoring device of the kind described, in combination, an anchoring member adapted for insertion into a hole in hard material, outwardly converging wedging means on and movable longitudinally with said anchoring member, a sleeve of tough relatively hard metal having a longitudinally slotted inner end portion encircling and spaced from said member and embracing said

converging wedging means and expansible thereby against said hard material when said member is forced outwardly, said sleeve having an outwardly converging outer end portion slidably fitted on said member, a soft metal tube embracing said outwardly converging end portion, and, when driven in said hole being expansible by said outwardly converging outer end portion against said hard material, and means for forcing said member outwardly.

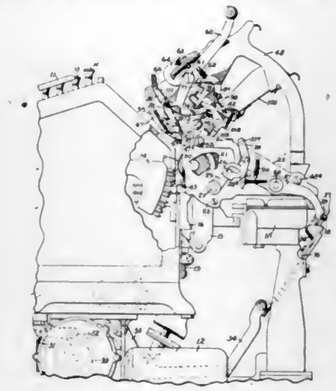
2,139,168
CALCULATING MACHINE
Robert L. Muller, Detroit, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan
Application June 1, 1937, Serial No. 145,719
25 Claims. (Cl. 197—128)



1. A machine of the class described having printing means for making type impressions, a platen, sheet-holding means for holding an individual work sheet about said platen while it receives printing impressions from said printing means, a sheet-ejecting means operable independently of said platen and sheet-holding means for positively ejecting said work sheet beneath and rearwardly of said platen, said sheet being free of said ejecting means while it is held about said platen in printing position, and means operable to condition said sheet-holding means to free said sheet for movement relative to said platen and to cause said ejecting means to operate automatically to eject said sheet clear of said platen beneath and to the rear thereof.

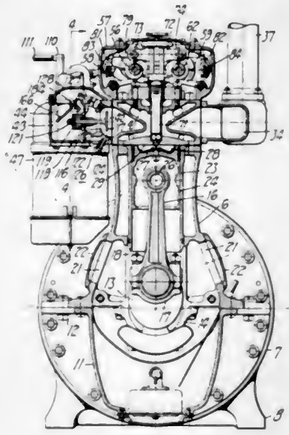
2,139,169
CALCULATING MACHINE
Robert L. Muller, Detroit, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan
Application June 1, 1937, Serial No. 145,720
Renewed June 18, 1938
40 Claims. (Cl. 197—128)

32. A front-feed machine of the class described having a printing means, a platen, front-feed means for enabling a work sheet to be front fed relative to said platen, said front-feed means including portions forming a front-feed throat movable from a closed to an open throat condition and vice versa independently of operation of said printing means, means for opening said throat, work sheet ejecting means, work injecting means, and means operable by movement of a single lever in a single direction for causing said ejecting means to eject the work sheet that is in printing position to a position clear of said platen and for causing said injecting means to inject a new work sheet into said open throat to



a predetermined printing position in front of said platen.

2,139,170
ENGINE
Moyes J. Murphy, Milwaukee, Wis., assignor to Murphy Diesel Company Ltd., Milwaukee, Wis., a corporation of Nevada
Application December 13, 1935, Serial No. 54,270
8 Claims. (Cl. 123—180)

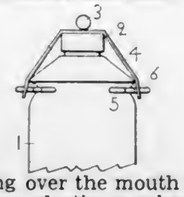


1. An engine comprising a structural assembly defining a combustion chamber and an inlet passage leading to said combustion chamber, an inlet valve for said chamber operating in time with the operation of said engine, means in a body detachable from said structural assembly for augmenting said combustion chamber, spark ignition means on said body and communicating with said augmenting means and means for preventing the operation of said inlet valve in time with the operation of said engine.

2,139,171
CLOSING DEVICE FOR COLLAPSIBLE TUBES
Paul A. Neumann, Chicago, Ill.
Application January 31, 1938, Serial No. 187,854
2 Claims. (Cl. 221—60)

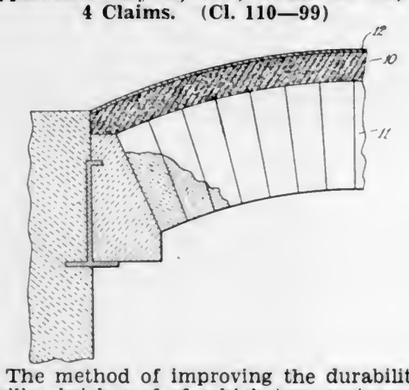
1. Closing device for collapsible tubes consisting of a member adapted to make impressions on the tube when being fastened below its top and

adapted to be held in position by these impressions; elastic members attached to said member;



and a cap fitting over the mouth of the tube and fastened to these elastic members.

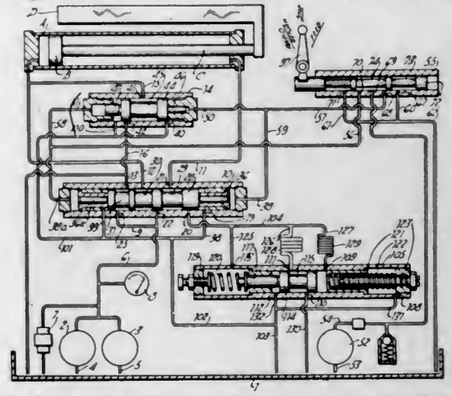
2,139,172
HIGH TEMPERATURE FURNACE INSULATION
Arthur S. Nichols, Forest Park, Ill., assignor to The Illinois Clay Products Company, Joliet, Ill., a corporation of Illinois
Application May 12, 1934, Serial No. 725,257
4 Claims. (Cl. 110—99)



1. The method of improving the durability of the silica brick roof of a high temperature open hearth furnace which is characterized by operating the furnace at an internal temperature of about 3000° F., heating the outer face of the silica brick in the roof to about 2000° F. by reducing radiation from the top of the roof by a layer of light weight exfoliated vermiculite for a prolonged period to effect a substantial conversion of the outer portion of the silica brick into more stable forms of silica such as tridymite having a lower coefficient of expansion.

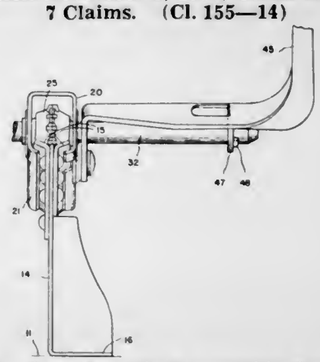
2,139,173
CONTROL CIRCUIT FOR BROACHING MACHINES
Millard Romaine, Cincinnati, and Erwin G. Roehm, Norwood, Ohio, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio, a corporation of Ohio
Original application March 1, 1933, Serial No. 659,226. Patent No. 2,063,756, dated December 8, 1936. Divided and this application March 31, 1936, Serial No. 71,904
14 Claims. (Cl. 121—45)

1. An hydraulic circuit for control of the piston and cylinder mechanism of a machine tool including an hydraulic medium for operating the piston and cylinder, a reversing valve in said circuit for selectively directly the pressure medium to opposite ends of the cylinder, an hydraulic control circuit including a pilot valve for controlling the position of the reversing valve, a manually operable direction indication lever coupled with the pilot valve for operating same and simultaneously indicating the direction of movement of the table, a back pressure control valve in the circuit for controlling the back pressure from the piston and cylinder to insure uniform rate of movement of the table during feeding, a valve in the circuit for controlling the discharge of the medium from the other end of the



cylinder and connections between the pilot and said valve for actuating the latter as the pilot is shifted to effect reversal of table operation whereby rapid movement of the table when moving in the opposite direction is facilitated.

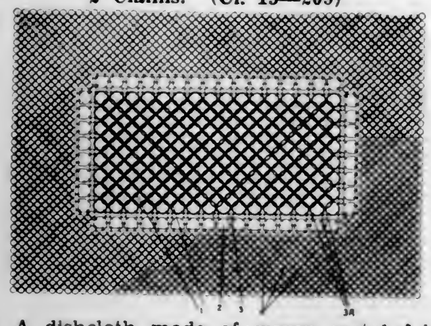
2,139,174
ADJUSTABLE SEAT SUPPORT
Walter S. Saunders, Pontiac, Mich., assignor to The American Forging & Socket Company, Pontiac, Mich., a corporation of Michigan
Application November 3, 1937, Serial No. 172,594
7 Claims. (Cl. 155—14)



2. A track and carriage assembly for movably supporting a seat or the like, comprising a track having opposed upwardly and laterally extending top flanges forming a trough-like top, a carriage member movably supported upon said track and having a flange portion underlying at least one of said top flanges to prevent vertical separation of the carriage from the track, and a roller rotatable with respect to the carriage, rollably mounted in the trough-like top portion of the track, and having a central portion of increased diameter whereby it tends to center itself in the trough and so maintains the carriage against lateral movement with respect to the track, said trough-like top of the track being provided with longitudinally extending rack tooth portions, gear teeth carried by one of said rollers and meshing with such rack tooth portions, a shaft carrying said roller and projecting laterally from said carriage, detent means carried by the carriage and projectible into and out of engagement with the track portion to releasably hold the carriage against movement with relation thereto,

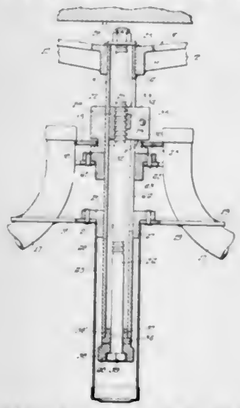
and operating means for said detent, including a portion journaled on said laterally projecting shaft portion.

2,139,175
METAL DISHCLOTH
Lellah E. Shick, Portland, Oreg., assignor of one-half to Matie I. Ivie, Portland, Oreg.
Application March 30, 1937, Serial No. 133,816
2 Claims. (Cl. 15—209)



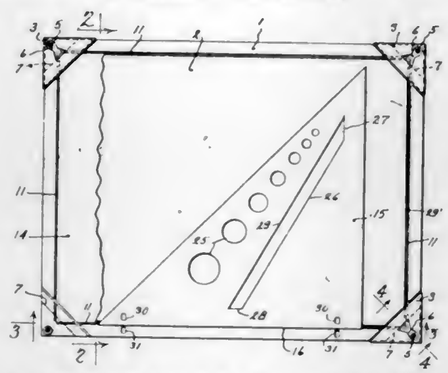
1. A dishcloth made of woven metal fabric with the cloth being made of a central portion and an outer portion and with the central portion being made of two thicknesses to form a pocket and with the sides of the pocket being made of different sized mesh and of metal of different hardness.

2,139,176
CHAIR
Ernest M. Sims, Elkhart, Ind.
Application June 8, 1933, Serial No. 674,780
5 Claims. (Cl. 155—93)



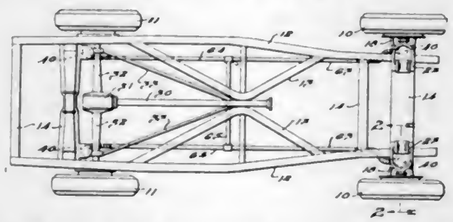
1. The combination in a chair of the character described of a chair seat having a smooth surfaced slotted hollow supporting spindle, a chair base, a pair of spaced bearing collars carried by said base and penetrated by said spindle and having a close sliding fit with the latter, an adjusting screw extending longitudinally inside said spindle and rotatably connected with the lower end thereof, a nut inside said spindle through which said screw passes, a supporting key passing through the slot in said spindle and engaging the nut to support the latter and to prevent its rotation relative to the spindle, a grooved swivel collar supporting said key and rotatably resting on an upper bearing surface on one of the said bearing collars, an adjusting hand wheel at the end of said screw, and a plate carried by said base and entering the groove in said swivel collar to prevent vertical movement of said collar relative to said base.

2,139,177
COMBINATION DRAWING BOARD AND DRAWING TOOL
Frank Stanley Schade, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts
Application October 18, 1937, Serial No. 169,570
3 Claims. (Cl. 33—76)



1. The combination of a drawing board and a triangle having a fin extending beyond the plane of the triangle and adjacent one of its edges, said drawing board having a grooved recess to receive and guide both sides of said fin, clips mounted at the corners of said board to hold drawing paper, said clips having their top surfaces substantially at the level of the drawing board, said fin having cam means to contact said clips and slide past without obstruction.

2,139,178
WHEEL SUSPENSION
Claud L. Stevens, Detroit, Mich.
Application October 5, 1936, Serial No. 104,014
3 Claims. (Cl. 280—124)

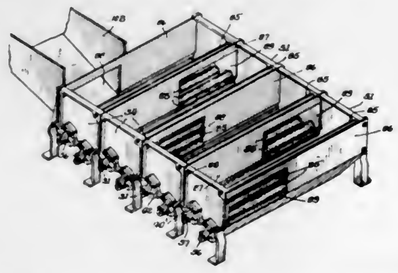


1. A hydraulic suspension for interconnecting the running gear of a vehicle with the chassis thereof, comprising in combination, a housing and a piston, one secured to the chassis of a vehicle and the other to the running gear thereof, said housing having a cylindrical opening therein adapted to snugly telescopically receive said piston, a plurality of concentric sleeves telescopically surrounding said piston, the innermost of said sleeves telescoping over said piston and the outermost of said sleeves snugly engaging the interior surface of said housing, and means on each of said sleeves adapted to engage the next adjacent sleeve whereby to provide a progressively increasing effective area of said piston as the same moves into said cylinder.

2,139,179
PURIFICATION OF ALCOHOLS
Anton Johan Tulleners, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 20, 1936, Serial No. 86,340. In the Netherlands July 4, 1935
8 Claims. (Cl. 260—643)

1. In a process for purifying a crude water-immiscible secondary alcohol obtained by hydration of the corresponding olefine, the steps of removing sulfur-containing impurities present by digesting the crude alcohol with a basic agent prior to the main purification treatment of said alcohol without causing substantial alcohol decomposition, flash distilling the resulting alcohol by heating at a temperature and for a time at which said alcohol is vaporized without substantial decomposition, then extracting the alcohol with a preferential liquid solvent for said impurities and recovering the resulting substantially sulfur free alcohol.

2,139,180
VEGETABLE PEELER
William E. Urschel, Valparaiso, Ind.
Application September 12, 1936, Serial No. 100,486
12 Claims. (Cl. 146—49)



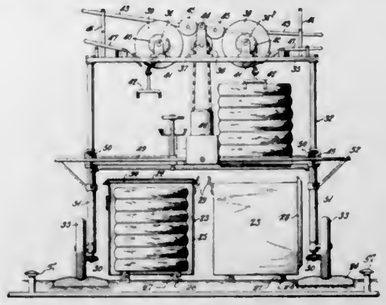
1. In a vegetable peeling mechanism having a series of abrasive rolls therein, upon which the vegetables are peeled in seriatim order, the improvement which comprises providing initially relatively roughened rolls for carrying out the rough peeling, and final peeling rolls disposed adjacent the discharge point and being provided with relatively fine abrasive.

2,139,181
HAIR WAVER
Bernhard M. Beskow, Miami Beach, Fla.
Application August 15, 1938, Serial No. 225,026
12 Claims. (Cl. 132—41)



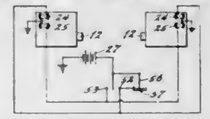
1. A hair waving appliance comprising a pair of elongated members having corresponding ends hingedly connected together, and between which the hair to be waved may be freely inserted, one of said members being formed of a single piece of flexible sheet material bent intermediate its length upon itself to provide a doubled strip, the other of said members having means at its free end for interlocking with the bent end of the doubled member to secure the members together in clamping position upon the lock of hair.

2,139,182
STORAGE PLANT AND PROCESS OF STORING COTTON AND THE LIKE
Oscar Fitzalan Bledsoe, Greenwood, Miss.
Original application February 18, 1935, Serial No. 7,110. Divided and this application May 14, 1935, Serial No. 21,455
7 Claims. (Cl. 98—54)



1. A unit warehouse of the character described comprising normally fixed support means, an open ended enclosure having one of its ends normally uncovered and removably resting upon said support means in such manner that the edges of said end are elevated to permit access of atmospheric air to the interior of the enclosure through said end, a cover removably engaging the other open end of the enclosure, and means for supporting said cover in spaced relation to the last mentioned open end, so as to vent the enclosure through said last mentioned end.

2,139,183
ELECTRIC DOOR LOCK FOR AUTOMOBILES
Clarence H. Bruns, Madison, Wis.
Continuation of application Serial No. 96,860, August 19, 1936. This application December 16, 1937, Serial No. 180,180
11 Claims. (Cl. 180—82)

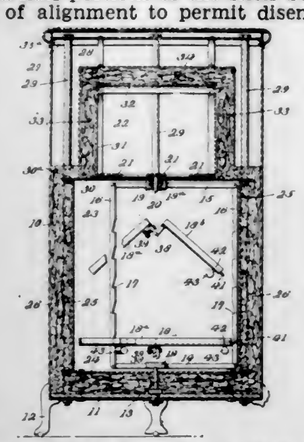


1. An automobile door lock comprising, in combination, a spring-actuated bolt; a dog adapted to engage said bolt to hold the same against movement toward door-releasing position; electro-magnetic means for governing said dog; a source of current in circuit with said electromagnetic means; a switch for controlling said circuit; and a momentum-actuated safety switch in said circuit adapted to short-circuit the control switch whenever there is a sudden and violent change in the momentum of the automobile.

2,139,184
REFRIGERATOR
Thomas Burns, London, England, assignor of one-half to Ralph L. Cross, Detroit, Mich.
Application February 24, 1937, Serial No. 127,538
In Great Britain February 28, 1936
3 Claims. (Cl. 62—89)

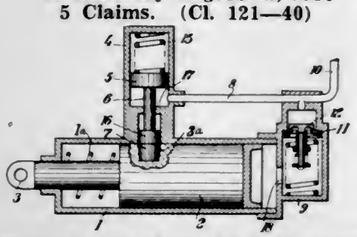
1. In a refrigerator having at least one compartment, means providing upper and lower coaxial pivots in said compartment, upper and lower spider arms rotatable about said upper and lower pivots respectively, vertical pillars connecting the outer ends of said upper and lower spider arms and having notches formed therein at spaced intervals, at least one removable shelf formed of two half portions having pivoted fingers adjacent the periphery thereof for engag-

ing said notches whereby to support the said shelf, said half portions of the shelf being shiftable out of alignment to permit disengagement



thereof from said pillars, and means for maintaining said half portions of the shelf in horizontal alignment.

2,139,185
PRESSURE ACTUATED PISTON LOCK RELEASE
Ernst Engel, Frankfort-on-the-Main, Germany, assignor to Alfred Teves Maschinen- und Armaturenfabrik Gesellschaft m. b. H., Frankfort-on-the-Main, Germany
Application August 10, 1937, Serial No. 158,442
In Germany August 12, 1936
5 Claims. (Cl. 121—40)

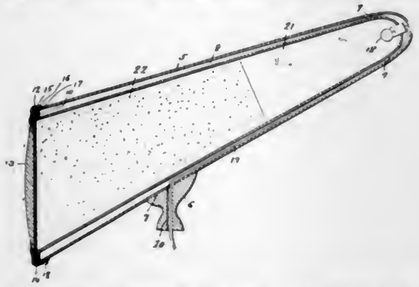


1. Pressure actuated piston lock release comprising in combination a cylinder having a piston therein, said piston having a locking abutment, a source of fluid pressure medium for actuating the piston, a locking bolt adapted to engage the locking abutment of the piston to retain the piston in non-operating position, pressure actuated means for withdrawing said bolt from the piston locking abutment to release the piston, a system of conduits connecting the cylinder and the pressure actuated bolt withdrawing means with said source of fluid pressure medium, and valve means connected in said system of conduits serving to supply fluid pressure medium to the bolt withdrawing means in advance of the cylinder so as to release the piston lock before applying actuating force to the piston, said valve means having spring control and regulating means serving to limit the residual pressure on the piston when not in operation

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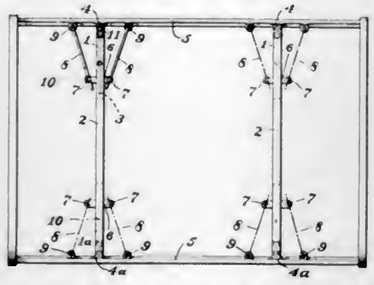
2,139,186
HEADLIGHT
Patrick J. F. Gallagher, Marlborough, N. Y.
Application July 6, 1937, Serial No. 152,168
1 Claim. (Cl. 240—41.35)

A headlight comprising an elongated casing of substantially conical shape and having the front open end thereof formed on a bias, an annular flange formed on the open end of the casing and arranged inwardly of the latter, a reflector of a shape corresponding to the shape of the casing and of a diameter and length to be located in the casing and spaced therefrom, an annular flange formed on the reflector and overlapping the flange of the casing and detachably secured thereto, spacers arranged between the casing and reflector and located adjacent the inner end of the reflector to cooperate with the flanges in supporting the reflector in spaced relation to the cas-



ing, a coating applied to said reflector and extending approximately one-half the length of the latter and from the open end thereof towards the closed end of said reflector to render approximately one-half of the reflector non-reflecting of light rays, means for supporting the casing at an inclination with the open end thereof disposed lowermost, a lens frame of cushion material abutting the flange of the reflector, means for detachably securing the frame on the casing and in abutting engagement with the last-named flange, and a lens carried by said frame.

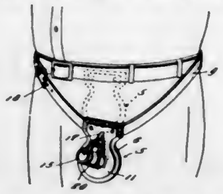
2,139,187
BRACE
Paul Gallett, Chicago, Ill.
Application March 15, 1937, Serial No. 131,091
3 Claims. (Cl. 5—305)



1. A brace for beds, furniture and the like, comprising end bar members and an intermediate bar member, said end bar members being adjustable with respect to the intermediate bar member, lugs carried by said end bar members and extending transversely thereof, side brace members adjustable in said lugs and rigidly secured thereto, and angle brackets pivotally mounted on said side braces at the free ends thereof for attachment to a bed or the like.

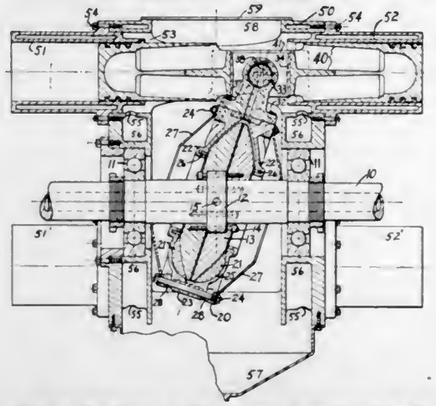
2,139,188
FOLDABLE FISHING POLE HOLDER
Albert S. Haislip, Fredericksburg, Va.
Application June 7, 1937, Serial No. 146,920
2 Claims. (Cl. 224—5)

2. In a foldable fishing pole holder of the class described, an end thrust body shield, means for maintaining the shield in useful position on the body of the wearer, a cradle-like carrier clamp, a fishing pole accommodation socket slidably and rotatably saddled in said carrier clamp, the inner end of said socket being of part-spherical formation to rest, when in use, in readily movable



anti-friction contact with the adjacent face of said shield, and connecting means between said carrier clamp and shield, said connecting means being swingable in a horizontal plane being attached by a vertical pivot to the shield, and said carrier clamp being attached to said connecting means by a horizontal pivot.

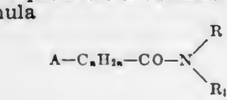
2,139,189
MECHANISM FOR THE INTERCONVERSION OF RECIPROCATION AND ROTATION
Edwin S. Hall, New Haven, Conn.
Application March 4, 1936, Serial No. 67,016
29 Claims. (Cl. 74—60)



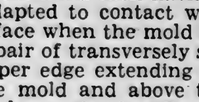
1. In mechanism of the class described, a shaft, an integral normal flange thereon, cylinders parallel to said shaft, pistons in said cylinders, a swashplate comprising two substantially identical portions bolted to said flange, and operable connections between said swashplate and said pistons.

2,139,190
AMINO-ACID DERIVATIVES AND THEIR MANUFACTURE
Martin Iselin, Riehen, near Basel, and Jakob Bindler, Basel, Switzerland, assignors to the firm J. R. Geigy S. A., Basel, Switzerland
No Drawing. Application December 11, 1936, Serial No. 115,441. In Germany December 23, 1935
20 Claims. (Cl. 260—561)

14. As new products the amino-acid derivatives of the formula



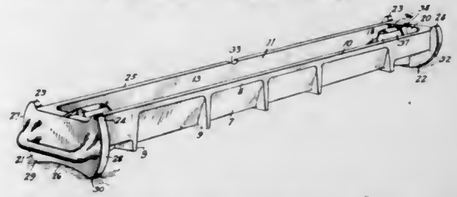
in which
R represents a radical selected from the group consisting of hydrogen, alkyl groups with fewer than 6 carbon atoms, aralkyl and aryl groups,
R' represents a radical selected from the group consisting of alkyl groups with fewer than 6 carbon atoms, cycloalkyl, aralkyl and aryl groups,
n means one of the numbers 1, 2 and 3, and
A represents one of the radicals



wherein
X_1 represents a radical selected from the group consisting of hydrogen, aliphatic radicals, araliphatic, aromatic and hydroaromatic radicals,
X_2 and X_3 represent the same as X_1 with the exception of hydrogen,
Y represents the alkyl radicals of high molecular weight resulting from the alcohols of hydrogenated natural fats, oils, waxes, resins and naphthenic acids, and
ac represents an acid residue of a quaternary nitrogen compound,
including salts of the products in which
A represents the radical



2,139,191
INGOT MOLD
Albert H. Jung, New York, N. Y.
Application June 26, 1937, Serial No. 150,501
9 Claims. (Cl. 22—139)

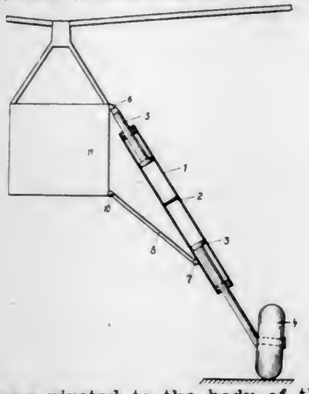


1. In a one-piece ingot mold, means for rocking the mold part way from its operative position toward an inverted position and to permit the mold to drop into its inverted position to jar the ingot therefrom, said means comprising a pair of end flanges on the mold each having at least one curved edge adapted to contact with the mold-supporting surface when the mold is rocked, and each having a pair of transversely spaced projections on its upper edge extending above the remainder of the mold and above the remainder of said upper edge, and a handle on one of said end flanges, one of the projections of each pair contacting violently with said supporting surface when the handle is turned through an angle greater than 90° and then released.

2,139,192
AIRCRAFT UNDERCARRIAGE
Paul Krekel, Kronberg, near Frankfort-on-the-Main, Germany
Application January 23, 1936, Serial No. 60,528
In Germany January 28, 1935
2 Claims. (Cl. 244—104)

1. In an undercarriage for aircraft, a strut capable of longitudinal expansion or contraction and inclined with respect to the longitudinal vertical plane of the aircraft, said strut comprising

a central member having cylinder means therein, an element pivoted to the body of the aircraft and to said central member, a ground-engaging member, and pistons engaged in said cylinder



means one pivoted to the body of the aircraft and the other connected to the ground-engaging member, said pistons yieldingly resisting contraction of said structure.

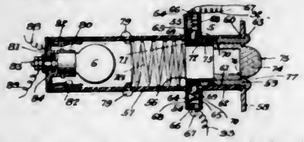
2,139,193

CAP LOCK

Rodolph I. Lamothe and Samuel E. McFarland, Los Angeles, Calif.; said McFarland assignor to said Lamothe

Application May 12, 1937, Serial No. 142,202

1 Claim. (Cl. 292—252)



A lock for fuel tank inlet cap and the like comprising a notched latched member on said cap, a casing provided with a pair of plunger bores and a ball opening extending between said bores, a spring plunger in one of said bores to be depressed by said latch member upon entering said bore when said cap is swung into closed position, a lock ball in said ball opening for engaging the notch in said latch member and locking said cap in closed position, a plunger in said other bore for engaging said ball and holding said ball in engagement with said notched latch, and means for withdrawing said latter plunger from said ball to allow said ball to roll in said opening out of engagement with said notched latch member for unlocking said cap, said spring plunger being constructed and arranged to move upwardly against said ball, when said cap is swung open, to hold the ball out of the spring plunger bore until said cap is swung closed and said spring plunger is depressed by said latch member.

2,139,194

REGULATION OF FUEL INJECTION PUMPS FOR INTERNAL COMBUSTION ENGINES

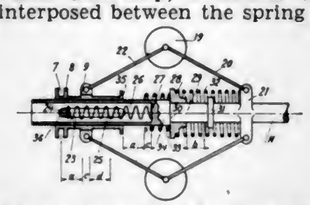
Johann Lichtenstein, Levallois-Perret, France, assignor to Société Générale des Carburateurs Zenith, Levallois-Perret, France

Application September 6, 1934, Serial No. 742,995

In Belgium September 18, 1933

10 Claims. (Cl. 264—3)

1. A centrifugal governor for adjusting the connection between a control member and the fuel output regulating member of an injection pump for an internal combustion engine, which comprises, in combination, a rotary shaft for connection with a shaft driven by the engine; a plurality of rotary units rotated by said rotary shaft; each of said rotary units including a radially extending mounting member having a spring seat member, a centrifugal weight having a spring seat member, mounted for longitudinal movement of its spring seat member with respect to the mounting member, a sliding member loosely mounted on said mounting member between said spring seat members, a stop on said mounting member for said sliding member, a first compression spring interposed between the spring seat member of the mounting member and said sliding member and urging said sliding member towards said stop, a second compression spring interposed between the spring seat mem-



ber of the weight and said sliding member, said stop imposing to said first spring through said sliding member an initial compression which is overcome only in the maximum speed range by the centrifugal effort of said weight transmitted to said first spring by said second spring and said sliding member; a sleeve for connection with said output regulating member, operative by said weights; said second springs being so devised that the motion imparted by said sleeve to said fuel output regulating member, for a variation of speed through the normal speed range between idling speed range and maximum speed range, is only a small portion of the whole stroke of said output regulating member, and said first springs being so devised that the motion imparted by said sleeve to said fuel output regulating member, for a variation of speed through the maximum speed range, covers substantially the whole stroke of said output regulating member.

2,139,195

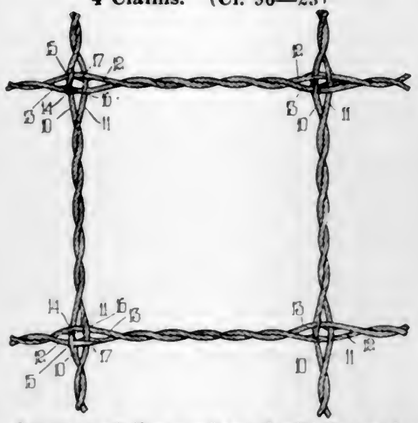
CARGO NET, CARGO SLING, AND THE LIKE

Charles Louttit, Liverpool, England

Application May 4, 1938, Serial No. 206,069

In Great Britain June 3, 1937

4 Claims. (Cl. 96—23)



1. A rope net the meshes of which are formed by warps and wefts each made up of at least two interwound ropes each of which consists of a number of strands, the corners of the meshes being formed by threading one rope of a warp between the strands of one rope of a weft and another rope of the same weft between the strands of such rope of the warp, whilst the first mentioned rope of the weft passes between the strands of the second rope of the same warp and this second rope of the warp passes between the strands of the second rope of the weft.

2,139,196

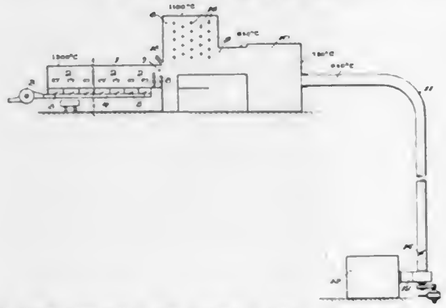
PROCESS OF MAKING ZINC OXIDE

William T. Maidens, Columbus, Ohio, assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo., a corporation of Maine

Application December 14, 1933, Serial No. 702,374

Renewed August 17, 1937

7 Claims. (Cl. 23—148)



1. The process of making zinc oxide of small non-acicular form which consists in vaporizing zinc in a reducing atmosphere, then rapidly mixing the zinc vapor with an oxidizing agent sufficient to oxidize but not appreciably cool the vapor, and then subjecting the mixed vapor and oxidizing agent to the action of water spray.

2,139,197

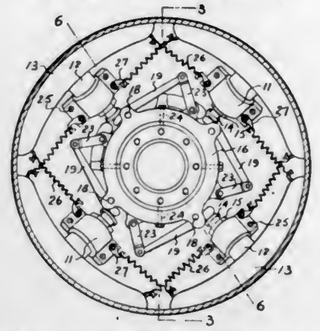
MULTIPLE SHOE BRAKE

Archie McKone, Vancouver, British Columbia, Canada, assignor to Pioneer Timber Co., Ltd., Vancouver, British Columbia, Canada

Application March 4, 1937, Serial No. 129,035

In Canada February 1, 1937

4 Claims. (Cl. 188—78)



1. A brake mechanism adapted for positioning within a rotative brake drum, said mechanism comprising a stationary back plate having a central hollow hub portion formed integrally therewith, brake shoe guides mounted radially upon said back plate, brake shoes having stems mounted in said guides, a pivot ring and an actuating ring mounted upon said hub, levers mounted upon said pivot ring in co-operative engagement with the stems of said brake shoes, rods connected to said levers and said actuating ring, and means to move said actuating ring to cause said rods and levers to act upon said brake shoes to cause the latter to set up brake effect upon said brake drum, and means to release said brake effect and retract said brake shoes.

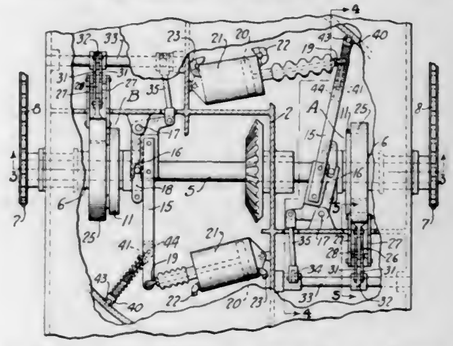
2,139,198

TRACTOR UNIT CONTROL

George E. Miller, Findlay, Ohio, assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio, a corporation of Ohio

Application January 13, 1938, Serial No. 184,840

6 Claims. (Cl. 192—17)



1. In a power driven apparatus, a frame, a tractor unit, means for driving said unit including a clutch, a brake, and a shipper member connected to said clutch and brake and operable to move the member to alternately engage them, differential fluid pressure means connected to said shipper member and selectively operable to move it to apply either the clutch or the brake, and means connecting said frame and shipper member and automatically operable to yieldingly maintain the shipper member in brake applying position should the fluid pressure fail, said connecting means including telescoped members and a coiled spring therebetween.

2,139,199

GRADING MACHINE

Ervin Morgan, Ririe, Idaho

Application November 1, 1935, Serial No. 47,875

1 Claim. (Cl. 209—125)



The herein described grading machine comprising essentially a frame, an endless belt mounted in the frame, a drive pulley adjacent one end of the belt for driving the same, a casing mounted on the frame adjacent the drive pulley and having sides in which are slots and also having an end, a hopper supported by said casing above the conveyor and having a discharge opening in the bottom thereof facing in the direction of the movement of the belt, an agitator plate between said opening and the belt and extending substantially the width of the belt, said agitator plate having flanges at its ends and also having

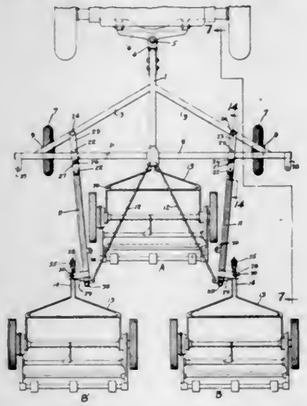
on said flanges end portions movable through said slots of the casing sides, a leaf spring carried by one side of the frame and opposed to the outer end of one of said end portions, a ratchet wheel carried at the inner side of said pulley, an arm fixed to the agitator plate and having a portion disposed in the path of the ratchet wheel teeth, a transverse shaft disposed above and spaced from the agitator plate and journaled in the sides of said casing and having at one end a bent portion comprising an arm at the outer side of the casing side, an arcuate plate extending substantially the width of the agitator plate and having one of its longitudinal edges fixedly secured to said shaft with the concave portion of said arcuate plate facing toward the discharge opening of the hopper and the free longitudinal edge thereof spaced from the agitator plate, said arcuate plate being substantially semi-cylindrical to provide a substantially large concavity, and a stop carried on the outer side of one of the casing sides and disposed to contact said arm to limit the downward swing of the free edge of the arcuate plate.

2,139,200

EXTENSIBLE GANG LAWN MOWER

Amos F. Moyer, Minneapolis, Minn., assignor to Toro Manufacturing Corporation of Minnesota, a corporation of Minnesota

Application January 20, 1936, Serial No. 59,932
17 Claims. (Cl. 56—7)



1. The combination, in a gang lawn mower, with a suitable draft rig, of a mower unit attached to said draft rig by a pivotal connection, a draw link pivotally attached to said draft rig, a second mower unit pivoted to said link, and means for selectively holding said draw link in a position substantially coinciding with the line of travel of said mower or in a position substantially at right angles to said line of travel.

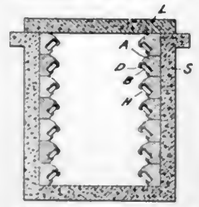
2,139,201

ELECTRICALLY HEATED SHAFT FURNACE

Bengt Gunnar Oscar Nordström, Hallstahammar, Sweden, assignor to Aktiebolaget Kanthal, Hallstahammar, Sweden, a corporation of Sweden

Application April 1, 1937, Serial No. 134,442
In Sweden April 8, 1936
3 Claims. (Cl. 13—25)

1. An electrically heated shaft furnace comprising superimposed bricks lining the furnace wall, each brick including a projection inclined downwards from the upper side of the brick and a recess below said projection for accommodating the heating element, said projection overhanging said recess and protecting the heating element from material falling through the furnace, said recess facing downwardly whereby the major part of the heat rays are directed towards



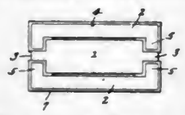
the lower part of the furnace chamber, the heat rays not passing directly into the furnace chamber from said recess being reflected upwardly into said chamber by the upper surface of the projection of the underlying brick.

2,139,202

HOLDER

Raymond R. Olson, Milwaukee, Wis.

Application July 28, 1938, Serial No. 221,847
2 Claims. (Cl. 51—185)



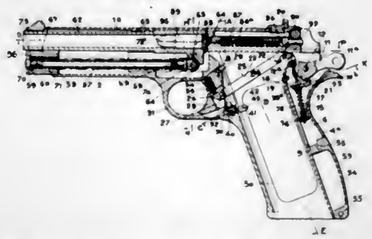
1. A holder for sheets of sand-paper comprising an intermediate rectangular block-like section having a pair of ledges extending along opposite sides thereof and centrally of said sides, and a pair of outer cap sections adapted to fit over opposite faces of said intermediate sections with a slight clearance between the same and the sides and ledges of said intermediate section, whereby sheets of sand-paper folded around the cap sections may be frictionally locked at the edges thereof between said cap sections and intermediate section.

2,139,203

AUTOMATIC PISTOL

Charles Gabriel Petter, Paris, France

Application March 2, 1935, Serial No. 9,117
In France March 9, 1934
3 Claims. (Cl. 42—4)



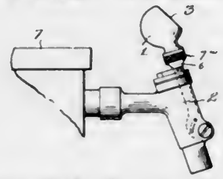
1. In an automatic pistol having longitudinal guide-ways, a breech block adapted to slide on said guide-ways and a handle with a recess, a removable lock-unit, comprising a hammer, resilient means for actuating said hammer and means for engaging the hammer in cocked position, said unit being housed in said recess, a nose on said handle forming a rear abutment for said unit and a seat provided in said handle for the lower end of the unit, means on the sliding breech block forming the sole means for fixedly retaining said unit in the handle recess.

2,139,204

DISPENSING FAUCET HANDLE

Frederick C. Picut, Newark, N. J., assignor to Economy Faucet Co., Newark, N. J., a corporation of New Jersey

Original application November 26, 1937, Serial No. 176,704. Divided and this application May 23, 1938, Serial No. 209,572
1 Claim. (Cl. 225—3)



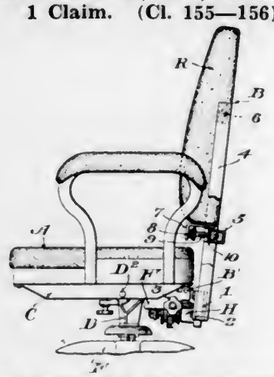
A faucet handle knob connection for connecting a knob to a handle end, said connection comprising a stud carried by one of said members, a bushing threaded on one of said members, said bushing being adapted to be threaded outwardly into engagement with one of said members for holding the knob against rotation.

2,139,205

CHAIR

Dwight Powell, Youngstown, Ohio, assignor to The General Fireproofing Company, Youngstown, Ohio, a corporation of Ohio

Application October 12, 1937, Serial No. 168,658
1 Claim. (Cl. 155—156)



A back structure for chairs including a frame comprising spaced upright members, a web strap rigidly connecting the lower ends of said members, a cross bar connecting said members above the web strap, a back rest pivotally mounted near the upper portions of said uprights and extending substantially above and below the point of pivotal mounting, a downwardly extending abutment carried by the lower portion of the back rest, and an adjusting unit mounted on the cross bar and including a screw having a cushion head for engaging said abutment to change the angular relation of the back rest to said frame members.

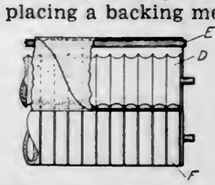
2,139,206

PROCESS OF MAKING ABRASIVE ELEMENTS

John E. Powell, Issaquah, Wash., assignor to National Poultry Equipment Co., Seattle, Wash., a corporation of Washington

Application January 28, 1935, Serial No. 3,776
2 Claims. (Cl. 164—17)

2. The process of cutting an unstiffened, flexible tube into rings, comprising inserting within the tube a circular member of a diameter appreciably less than the internal diameter of the tube and having a peripheral cutting edge, inserting within the tube alongside the cutting member a presser member, moving the presser member against the tube's inner surface, to support the tube and to flex it, to draw its inner surface into intimate contact with a considerable arc of the cutting edge, placing a backing member in direct



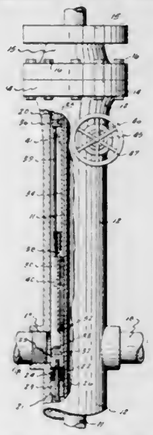
contact with the outer surface of the tube at the region of contact of the cutting edge with the tube's inner surface, pressing together the backing member and the cutting edge to force the latter through the tube into contact with the backing member, and rotating the tube while the cutting edge is being pressed into contact with the backing member, to sever the tube circumferentially.

2,139,207

PACKING DEVICE

Laurence L. Rector, Fort Worth, Tex.

Application November 30, 1936, Serial No. 113,281
14 Claims. (Cl. 166—15)



1. A packing device including, a tubular body having radial ports therein and adapted to be mounted on a well casing, said body having a bowl formed in its upper end for receiving a tubing support for suspending a well tubing whereby said tubing depends axially within the body, a vertically movable packing element within the body and surrounding the tubing below said support, a seat in the body below the ports therein adapted to be engaged by the packing element, means normally within the bore of the body for moving the packing element into engagement with the seat to form a seal, and means for retracting said means from within the bore of the body.

2,139,208

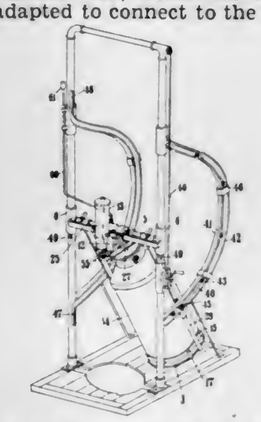
MILK DISTRIBUTION APPARATUS AND A CAN FOR USE WITH THE SAID APPARATUS

Adolf Rindl and Honorata Rindl, Cieszyn, Poland

Application May 19, 1937, Serial No. 143,627
In Poland May 25, 1936
14 Claims. (Cl. 221—116)

1. A milk distribution apparatus comprising at

least one stationary measuring tank, a horizontal axle **5** to which the said measuring tank is rigidly connected, a frame rotatably mounted around the said axle and adapted to turn the can **14** filled with milk upside down, a tubular member **10** to the outlet of which the measuring tank is connected, which tubular member **10** is mounted rotatably with respect to said measuring tank, a tubular member **26**, which the tubular member **10** is adapted to connect to the said measur-



ing tank, a lid **27** closing the milk can, and in which the tubular member **26** is arranged, and means adapted to turn the can filled with milk together with the said tubular members **10** and **26** upside down, the arrangement being such that the milk will flow from the can through the said tubular members to the measuring tank and from the latter to the vessel put under the outlet of the measuring tank and air will flow through the said tubular members into the can.

2,139,209

METHOD FOR PRODUCING DEHAIRED HIDES WITH THE AID OF MOLD TRYPTASES IN ALKALINE SOLUTION

Otto Röhm, Darmstadt, Germany

No Drawing. Application October 5, 1936, Serial No. 104,147. In Germany October 19, 1935

3 Claims. (Cl. 195—6)

2. In the preliminary treatment of hides preparatory to tanning wherein the hides are first swelled by alkaline treatment and subsequently treated with a mold tryptase in a neutral to weakly acid solution with the addition of sodium bisulphite; the improvement which comprises adding only so much of the sodium bisulphite to the enzyme that the alkaline solution produced by the alkali pre-swelling reacts alkaline even after the addition of the sodium bisulphite.

2,139,210

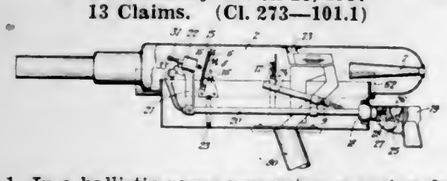
BALLISTIC GAME APPARATUS

Erwin Sauerbier, Berlin, Germany

Application March 15, 1938, Serial No. 196,066

In Germany March 16, 1937

13 Claims. (Cl. 273—101.1)



1. In a ballistic game apparatus, a casing from which light is excluded, a movable aim in the casing, a projector for projecting a ray of light against the aim, a sight for observing the aim, a scanning point arranged in the axis of the ray, a scanning device for positioning the point with respect to the aim, and electric means on the scanning device for operating the point.

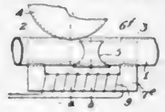
2,139,211

METHOD OF AND APPARATUS FOR WELDING TUBING

Frank L. Sessions, Lakewood, Ohio

Application June 21, 1934, Serial No. 731,791

22 Claims. (Cl. 219—10)



1. The method of progressive, electric resistance welding of a longitudinal seam in tubing, which comprises conducting electric current to the tube by contact on each side of the seam cleft in advance only of the meeting point of the seam edges from a source capable of supplying current of suitable amperage for welding, causing the edges of the seam to move progressively together at a point beyond the region where said current enters the tube, and inducing in the body of the tube a circumferential electromotive force opposing the flow of current around the back of the tube from said source, thereby largely limiting the flow of said conducted current to a path through the metal of the tube and across the seam in the region where the seam edges move together.

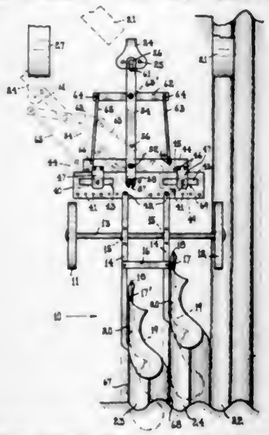
2,139,212

GUIDED PLOW HITCH

Henry Tonjes, Jr., Wisner, Nebr.

Application May 12, 1938, Serial No. 207,521

2 Claims. (Cl. 280—33.10)



2. A towing hitch for a gang plow supported by wheels comprising a coupling plate adapted to be locked to the plow, a draw-tongue having an end provided with a fulcrum connection with said coupling plate between the ends of the latter, the other end of said tongue adapted to be pivotally connected to a tractor, a draw plate having a shiftable connection to said coupling plate at each of its ends and a pivotal connection with said tongue between its ends, a crossbar pivotally secured to the tongue adjacent to the tractor connection end thereof, and links oppositely disposed at each side of said tongue, said links each having an end pivotally connected to a respective end of said cross-bar, the other ends of said links being pivotally secured to said drawplate.

2,139,213

SUNGLASS

John Verre, Los Angeles, Calif.

Application July 21, 1937, Serial No. 154,917

2 Claims. (Cl. 88—41)



1. An ophthalmic lens having on the upper portion of one face an opaque screen and on the lower portion a screen of opaque spots of decreasing density extending from the edge of said lens towards the central portion, said central portion through which the main line of vision extends remaining substantially clear.

2,139,214

PERFORATION OF AN UNPERFORATED POSITIVE FILM IN CORRESPONDENCE WITH PERFORATED NEGATIVE FILM

Karl Wahl, Berlin-Treptow, Germany, assignor to Sifico A. G., Schaffhausen, Switzerland

No Drawing. Application February 27, 1937, Serial No. 128,280. In Germany September 8, 1934

7 Claims. (Cl. 164—125)

1. The process of perforating a positive film which comprises passing a perforated negative film and an imperforated positive film simultaneously through a copying machine, marking the perforations of the negative upon the positive, film, and perforating the positive, film at the marked locations.

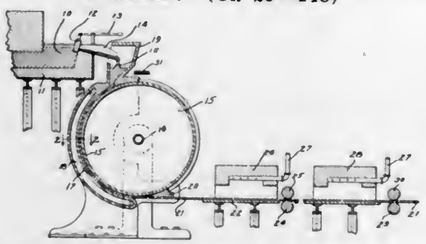
2,139,215

METHOD FOR FORMING ZINC SHEETS

Clinton I. Wasson, Muncie, Ind.

Application April 28, 1937, Serial No. 139,381

2 Claims. (Cl. 29—148)



1. That method of forming zinc strips in continuous lengths, which consists of flowing molten zinc into an arcuate strip forming mold, pulling the solidified zinc from the bottom of the mold to induce molten zinc to follow into the mold thereafter, straightening the zinc strip as it leaves the mold into substantially straight line travel, conducting the zinc strip through horizontal molds removed from the arcuate forming mold and having a controlled temperature independent of the temperature of said arcuate mold and conformable with that of the metal crystalline structure of the zinc to prevent severance of the strip.

2,139,216

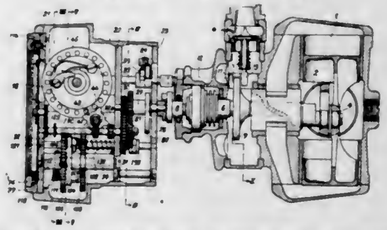
COUNTING MECHANISM FOR LIQUID DISPENSING APPARATUS

Hermann Wydler, Berne, Switzerland, assignor to the firm Sauser A.-G., Soleure, Switzerland, a joint-stock company of Switzerland

Application September 8, 1936, Serial No. 99,893

In Switzerland September 13, 1935

4 Claims. (Cl. 221—101)



1. In liquid dispensing apparatus, an annular member having graduations thereon indicating units of liquid to be dispensed, a ring member rotatably mounted with respect to said annular member and having gear teeth along the circumference thereof, an index carried by said ring member, a pinion meshing with the gear teeth of said ring member, a disc having a boss thereon adapted to be rotated upon rotation of the pinion and the ring member to a position corresponding to the units of liquid to be dispensed, a shaft adapted to be rotated when liquid is dispensed, gear means interposed between said disc and said shaft for rotating the disc and the ring member in a reverse direction, and said boss being adapted to engage means for stopping the rotation of the shaft.

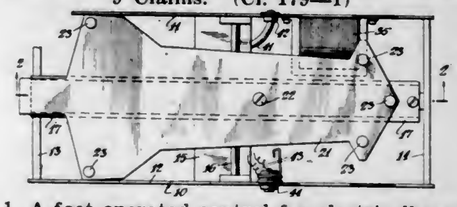
2,139,217

PEDAL CONTROL FOR ELECTRICALLY AMPLIFIED MUSICAL INSTRUMENTS

Rocco Aiala, New York, N. Y., assignor to Epiphone, Inc., New York, N. Y., a corporation of New York

Application July 1, 1937, Serial No. 151,365

9 Claims. (Cl. 179—1)



1. A foot operated control for electrically amplified musical instruments comprising a pedal pivotally mounted on a support, tone-quality variation means on the support adapted to be connected to the instrument and amplifying system, and a switch operated by movement of the pedal for controlling said tone-quality variation means.

2,139,218

FOUNTAIN PEN PACKING

Hitoshi Asai, Tokyo, Japan

Application December 21, 1935, Serial No. 55,515

1 Claim. (Cl. 286—35)



Piston rod packing and lubricating means for fountain pens, the pen barrel being provided at one end with a counterbore internally threaded

at its upper end and extending to an internal shoulder, comprising a piston rod, a cylindrical oil cup the bottom of which has a central opening through which the piston rod is movable, a close fitting disc cover over the open end of the oil cup and having a central hole of the same size as that in the bottom of the cup, the periphery of the cup and its cover being arranged to fit said counterbore, and said central openings through which the piston rod is movable being larger than said rod so as to allow free space therearound, an oil saturated disc of felt or the like within said cup and in contact with said piston rod for lubricating the latter, soft rubber packing discs mounted on and closely fitting the piston rod above said cover and below said oil cup, said soft rubber discs being arranged to fit closely within the counterbore, and means cooperating respectively with the shoulder and the threads of said counterbore for maintaining the soft rubber packing discs under sufficient pressure to keep the joints tight and to prevent the escape of oil from the oil cup except through said central openings so as to lubricate the piston rod.

2,139,219

PROCESS FOR PRODUCING TETRACHLORETHYLENE

Georg Basel and Erich Schaeffer, Burghausen, Obb., Germany, assignors to Dr. Alexander Wacker Gesellschaft fur Elektrochemische Industrie, G. m. b. H., Munich, Germany, a corporation

No Drawing. Application November 21, 1936, Serial No. 112,079. In Germany December 12, 1935

6 Claims. (Cl. 260—654)

1. Process for producing tetrachlorethylene from 1,1,2,2-tetrachlorethane, which comprises passing gaseous 1,1,2,2-tetrachlorethane and chlorine in contact with a hot surface at a temperature between 150° and 450° C.

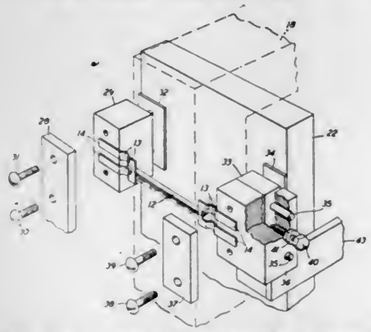
2,139,220

ELECTROMECHANICAL WAVE FILTER

Ralph B. Blackman, Rutherford, N. J., and Emory Lakatos, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 25, 1936, Serial No. 76,336

8 Claims. (Cl. 178—44)



2. In an electric wave filter, an electromechanical impedance comprising as a mechanical vibratory element a strip of conducting material, means for supporting said strip at its ends and means for providing a magnetic field perpendicular to said strip, said strip having a comparatively rigid central portion at each end of which is a portion adapted to flex whereby said central portion is adapted to vibrate as a unit in a plane perpendicular to said magnetic field.

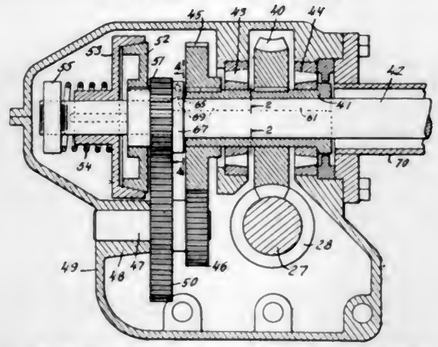
2,139,221

DRIVING MECHANISM

Wilhelm B. Bronander, Montclair, N. J.

Application April 24, 1936, Serial No. 76,159

5 Claims. (Cl. 74—337)



1. In combination, a tool drive comprising a drive shaft, a driven shaft operatively connected to the tool, driving connections including a constantly engaging friction drive and gearing for driving the driven shaft at a speed greater than the speed of the driving shaft, said friction driving connection comprising elements disposed at all times in frictional operative driving engagement with each other, and driving connections between said shafts for driving the driven shaft and tool at the same speed as the driving shaft, said last named driving connections including an overrunning clutch, between the driving and driven shafts, automatically operable to directly connect said shafts when the torque on the driven shaft has slowed down the driven shaft to a speed equal to or below the speed of the drive shaft.

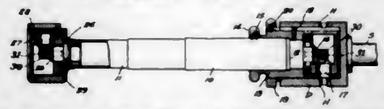
2,139,222

FOCUSING DEVICE

Milford E. Collins, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application February 29, 1936, Serial No. 66,355

3 Claims. (Cl. 88—1)



1. A microscope adapted to focus adjacent to the exterior surface of a hollow member comprising a microscope tube, a mount adapted to position said tube axially and laterally in said member, reflecting means in said mount for directing light from the surface of said member into said tube, and an eye-piece comprising a reticule at the other end of the tube, the said reticule consisting of a reflecting prism having markings on its reflecting surface.

2,139,223

PHOTOELECTRIC DEVICE

Jan Hendrik de Boer and Willem Christiaan van Geel, Eindhoven, Netherlands, assignors to Radio Corporation of America, a corporation of Delaware

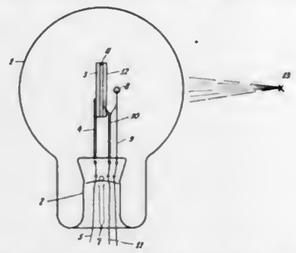
Application May 11, 1931, Serial No. 536,648

In the Netherlands May 10, 1930

8 Claims. (Cl. 136—89)

(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

1. A photoelectric device comprising a sealed envelope at least a portion of which is transparent, a silver electrode, a second electrode formed from a photoelectric film of barium arranged to face the transparent portion of the envelope and for co-operative relationship with the said silver electrode, said electrodes being mounted adjacent



each other in said envelope, and a substantially uniform thickness layer of electrically conducting silver iodide filling the space between said electrodes and in contact with both said electrodes, said electrically semi-conducting filling containing particles of barium.

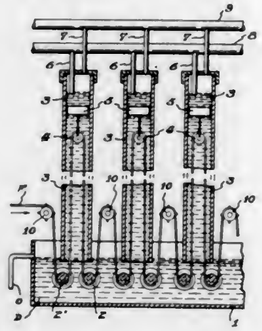
2,139,224

METHOD OF DEVELOPING MOTION PICTURE FILMS

William L. Douden, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Original application August 31, 1934, Serial No. 742,203. Divided and this application December 23, 1936, Serial No. 117,350

1 Claim. (Cl. 95—88)



The method of continuously developing film of the motion picture type comprising the steps of continuously passing the film into a film processing liquid, continuously passing the said film to a region in said liquid where the pressure is materially less than that of the atmosphere to withdraw bubbles therefrom, completing the process of development while keeping the film immersed in liquid, and continuously withdrawing said film from said liquid.

2,139,225

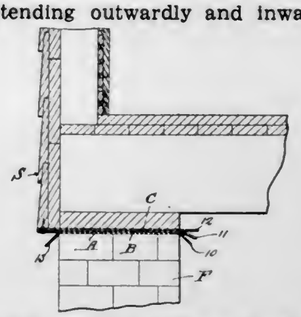
TERMITE REPELLENT

Newton P. Easling, Pekin, Ill.

Application February 10, 1938, Serial No. 189,848

2 Claims. (Cl. 43—107)

1. In a building construction the combination with separate structures supported one upon the other, of an interposed termite trap including superposed layers of paper saturated with a termite poison, said layers having side edges extending outwardly and inwardly from



the engaged structures, the said edges being spread apart.

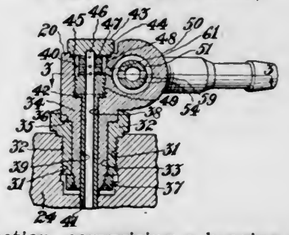
2,139,226

WATER CONNECTION

George H. Fuehrer, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application May 6, 1937, Serial No. 141,050

1 Claim. (Cl. 285—9)



A connection, comprising a bearing member, a plug in the bearing member having a bore and being rotatable in the bearing member, a boss on the plug off-set with respect to said bore and having a bore arranged angularly with respect to the first said bore, an angle-connection swivelled in the last mentioned bore, and a passage in the plug to afford communication between the bores.

2,139,227

REMOVING FLUORIDES FROM WATER

Paul C. Goetz, Mount Holly, N. J., assignor to The Permutit Company, New York, N. Y., a corporation of Delaware

No Drawing. Application September 12, 1936, Serial No. 100.545

9 Claims. (Cl. 210—24)

1. In the purification of water, a process of removing both acid and fluorine from a water containing both which comprises flowing the water through a pervious bed of granular hydrated metallic oxide in gel form having non-alkaline surfaces with regeneration of said bed from time to time by washing with dilute alkaline solution removing from the bed fluorine and acid taken up from the water and treating the bed with a dilute acid solution to restore its fluorine removing capacity prior to flowing water therethrough.

2,139,228

SHEET FEEDING MECHANISM

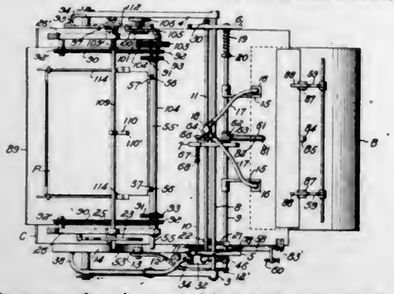
Jackson Tipton Hale, Atlanta, Ga., assignor, by direct and mesne assignments, to Automatic Press Appliance Company, Fulton County, Ga., a corporation

Application June 9, 1937, Serial No. 147,359

16 Claims. (Cl. 101—287)

1. In sheet feeding mechanism for printing presses and the like, means for supporting a supply of sheets of paper to be fed to the printing

mechanism of the press, and means for successively feeding sheets from said supply to said printing mechanism, including a feeder head mounted for movement between said supply and



printing mechanism, said head provided with means for engaging a sheet of paper, and means operable during the entire travel of said head for automatically adjusting said head and with it said engaging means with respect to said supply and said printing mechanism.

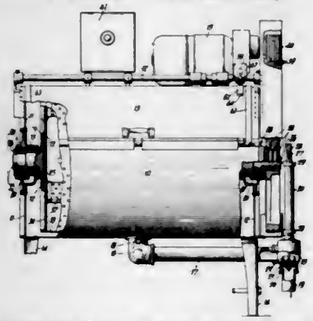
2,139,229

WASHING MACHINE

Howard H. Harlan, East Moline, Ill., assignor, by mesne assignments, to American Machine & Metals, Inc., New York, N. Y., a corporation of Delaware

Application July 1, 1935, Serial No. 29,290

1 Claim. (Cl. 137—21)



A washing machine comprising in combination a cylindrical shell member adapted to contain a washing solution, a substantially horizontal discharge pipe extending from said shell, a vertical pipe connected to, and at all times open for liquid communication with, said horizontal pipe, a valve mechanism adjacent the lower end of said pipe, said valve mechanism including a valve rod extending upwardly through the vertical pipe for controlling said valve mechanism, a transparent member surrounding a portion of said vertical pipe and forming a water-tight joint therewith, and means affording communication between the interior of said vertical pipe and the interior of said transparent member whereby fluid is admitted from said discharge pipe to the interior of the transparent member to gauge the height of the liquid within the cylinder.

2,139,230

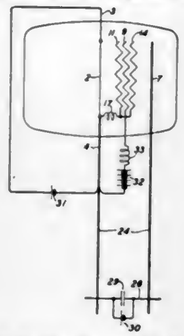
HIGH EFFICIENCY OSCILLATOR OF THE BARKHAUSEN TYPE

Raymond A. Heising, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 13, 1935, Serial No. 16,179

6 Claims. (Cl. 250—36)

1. An ultra short wave apparatus comprising an electric discharge device having a cathode, an anode and an impedance control grid, a path connecting the anode to the cathode and including a source of polarizing potential for the anode, a circuit including a polarizing source connecting the cathode and grid and including a source of high potential for positively polarizing the grid, an element within the discharge device similar in configuration to the grid and interposed between the grid and cathode to intercept substantially



all linear paths from the cathode to the grid, the spacing of the grid and the element being sufficiently small so that the resulting capacity between the grid and the element presents low reactance to ultra short waves whereby the element and the grid participate in ultra short wave variations as a single unit, and means for maintaining the element polarized at approximately the potential of the cathode while electrically isolated from the cathode at ultra short wave frequencies.

2,139,231

COMPOSITION FOR TREATING LEATHER, LACQUERED SURFACES, AND OTHER MATERIALS

Winfrid Hentrich, Dusseldorf-Reisholz, and Carl Albert Lainaŭ, Dusseldorf, Germany, assignors to Henkel & Cie. G. m. b. H., Dusseldorf-Holthausen, Germany, a corporation of Germany

No Drawing. Application February 19, 1936, Serial No. 64,654. In Germany February 21, 1935

1 Claim. (Cl. 134—24)

Polishing compositions of waxy character containing as the primary waxy component a monobasic carboxylic acid ester of a perhydrogenated novolak.

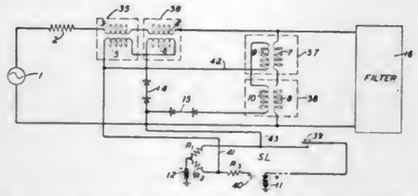
2,139,232

TRANSMISSION SYSTEM

John L. Hysko, Brooklyn, N. Y., assignor to Bell Telephone Laboratories Incorporated, New York, N. Y., a corporation of New York

Application June 1, 1936, Serial No. 82,883

4 Claims. (Cl. 178—66)



1. In combination, a source of alternating current, a circuit therefor, multiwinding impedance devices in series with said alternating current source, multiwinding impedance devices in shunt to said alternating current source, a direct current source, circuits separately connecting certain of the windings of said series and certain of the windings of said shunt multiwinding devices to said direct current source through respectively oppositely poled one-way devices, means to vary the polarity of the direct current impressed on said circuits whereby direct current of one polarity is impressed on certain of the windings of said series devices and direct current of the opposite polarity is impressed on certain of the windings of said shunt devices.

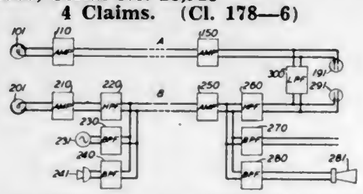
2,139,233

MULTICHANNEL TELEVISION SYSTEM

Herbert E. Ives, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Refiled for abandoned application Serial No. 733,163, June 30, 1934. This application April 11, 1935, Serial No. 15,918

4 Claims. (Cl. 178—6)



2. A multiple channel television system, comprising two transmission channels, means for generating two distinct photoelectric signal currents of substantially the same frequency range, said currents being distinctly different in certain corresponding portions of their higher frequency range and similar in their other corresponding portions of lower frequency range, means for impressing upon one of said channels the entire spectrum of frequencies of one of said signal currents, means for impressing upon the other of said channels a portion of the spectrum of frequencies of the other of said signal while excluding therefrom said lower frequency portion which is similar to the corresponding portion of the other of said currents, means at the receiving terminal for adding the lower frequency components derived from said one channel to the frequency components received from said other channel to produce a resultant current of full frequency range, and means for producing corresponding distinctive portions of an image by means of the respective signal currents.

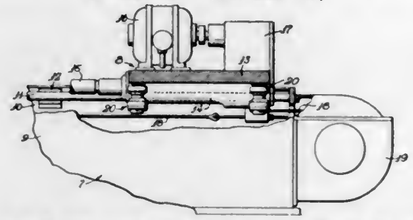
2,139,234

CARRIAGE MOUNTING

Albert M. Johnson, Rockford, Ill., assignor to Barnes Drill Co., Rockford, Ill., a corporation of Illinois

Application July 9, 1936, Serial No. 89,728

4 Claims. (Cl. 308—6)



1. In a machine tool structure having a frame and a reciprocatory head, in combination, a guideway for the head comprising a pair of elongated guide bars rigidly mounted on the frame in parallel spaced relation, bearing members carried at each side of the head for engagement with the respective guide bars, each of said members comprising a stud mounted on the head adjacent one of the guide bars and substantially perpendicular to the common axial plane of the guide bars, a roller rotatably supported on the stud having a pair of tapered bearing surfaces formed thereon, and oppositely inclined relative to the axis of rotation of the roller, said surfaces being formed to provide a line contact with the associated guide bar on opposite sides of the common axial plane of the two guide bars whereby to hold the head rigidly against movement in any direction except longitudinally of the guideway while said roller rotates so as to offer a minimum of frictional resistance to the reciprocation of the head on the guideway, and means for adjusting the position of the bearing surfaces relative to the associated guide bar to compensate for wear of the roller or the bar.

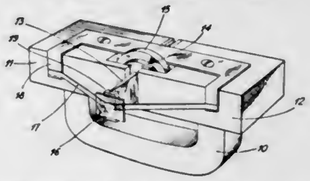
2,139,235

RECORDING OF SOUND

Edward W. Kellogg, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application July 11, 1932, Serial No. 621,787

8 Claims. (Cl. 171—95)



8. The combination of means for producing a magnetic field, an armature arranged to vibrate at audio frequencies in said field, means including a vacuum tube provided with an anode circuit, and separate relatively low and relatively high impedance coils arranged to be energized from said circuit for controlling the movement of said armature.

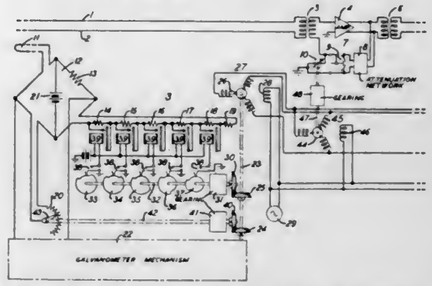
2,139,236

GAIN CONTROL CIRCUIT

John P. Kinzer, Hackensack, N. J., and Ira G. Wilson, Brooklyn, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 28, 1937, Serial No. 145,202

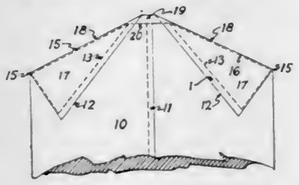
10 Claims. (Cl. 178—44)



1. A signal transmission line having pilot means associated therewith and subjected to the same temperature changes as the line, a bridge

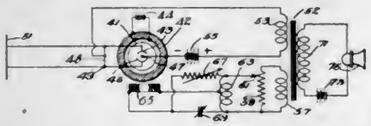
circuit having one arm thereof formed by said pilot means to be controlled according to the temperature changes of said means, galvanometer control mechanism governed by said bridge circuit to have linear operation according to temperature changes of said means, and means controlled by said galvanometer mechanism for governing the transmission line attenuation, for rebalancing the bridge upon each operation and for compensating for the non-linear variations of the line attenuation with temperature changes.

2,139,237
GARMENT BAG
William R. Kohl, Wilmette, Ill.
Application August 28, 1935, Serial No. 38,189
6 Claims. (Cl. 206—7)



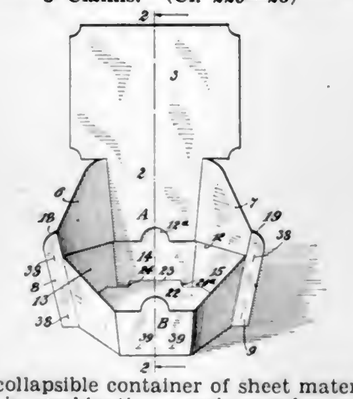
1. In a garment bag a flattened cylindrical body formed from a single sheet, its longitudinal edges turned upon themselves overlapping substantially at the center and joined by an adhesive both ends primarily open, the upper flattened edges of the body having been slit a spaced distance with each of the four corners so created being primarily folded inwardly of the bag on a bias, one of said bias folds adapted to be inserted into the bag and having adhesive means of attachment to an opposed wall of the bag, the adjacent folds overlapping the edge of the internal fold and being attached to the outside of its opposed wall providing plural material along the diagonal edge of the bias.

2,139,238
MODULATOR FOR HIGH FREQUENCY OSCILLATORS
Ernest G. Linder, Surf City, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 20, 1935, Serial No. 36,973
8 Claims. (Cl. 179—171)



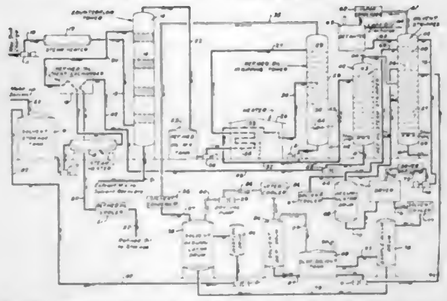
3. In combination, a magnetron oscillation generator comprising a linear cathode and an anode within an envelope, means for producing a magnetic field the lines of force of which traverse the zone of electron discharge, said lines normally lying parallel to the axis of said cathode, an additional field producing means suitably disposed in relation to the axis of said cathode so that the lines of force produced thereby traverse the zone of electron discharge and lie at right angles to the axis of said cathode and means for varying the directional effect of the last mentioned field producing means in accordance with variations in the modulation to be applied to said magnetron generator, whereby the electron paths in said generator are controlled.

2,139,239
COLLAPSIBLE CONTAINER
Ralph Mancuso, Brooklyn, N. Y., assignor to National Card Mounting Company, Inc., New York, N. Y., a corporation of New York
Application November 26, 1937, Serial No. 176,450
5 Claims. (Cl. 229—23)



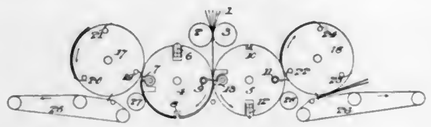
1. A collapsible container of sheet material including in combination a main member comprising a mid-panel, two opposite wings articulated thereto and two opposite ears articulated to said wings respectively, a transverse cut dividing said mid-panel and said wings into an upper portion and a lower portion, a second member comprising a back wall having a mid-panel, two opposite wings articulated thereto and two opposite ears articulated to said wings respectively, a bottom member of polygonal form articulated at its upper edge to said mid-panel, opposite feet articulated to the opposite edges of the lower portion of said bottom member, means for attaching the opposite ears of the main and second member together respectively, said second member being located behind said main member and adapted to reinforce the upper portion of said main member, the lower portion of said main member being brought forward to admit the bottom portion of the second member, the opposite feet of the bottom member being foldable downwardly for supporting said bottom member when the device is erected, the whole being foldable into collapsed condition by folding the bottom member upwardly against the main member mid-panel.

2,139,240
SOLVENT REFINING OF MINERAL OIL
Edward Gardner McFarland, Lawrenceville, Ill., assignor to The Indian Refining Company, Lawrenceville, Ill., a corporation of Maine
Application November 24, 1936, Serial No. 112,475
8 Claims. (Cl. 196—13)



1. In the solvent refining of heavier mineral lubricating oil containing some lighter oil with a solvent which is partially miscible with water and which is highly selective between paraffinic and non-paraffinic hydrocarbons, and wherein the solvent is recovered from the refined oil by steam stripping to produce a lean water mixture containing solvent and lighter oil, the method in the separation of the solvent from the water and lighter oil of said mixture which comprises stripping the solvent and lighter oil with steam from said lean mixture of the same in water in a stripping zone, passing the stripped vapors enriched in solvent to a fractionating zone and condensing solvent therein, removing a lean mixture of uncondensed vapors consisting primarily of water together with some solvent and lighter oil vapors from the fractionating zone and condensing them, passing the condensed lean mixture to a settling zone where the condensate stratifies into a water layer containing solvent dissolved therein and a lighter oil layer, removing the lighter oil layer, returning the water layer containing dissolved solvent as reflux to the fractionating zone, separating a water layer from the condensed solvent layer in the fractionating zone and returning the water layer to the stripping zone, removing condensed solvent from the fractionating zone, and removing water substantially free from solvent from the lower portion of the stripping zone.

2,139,241
CUTTING AND FOLDING MACHINE
Joseph E. Meyer, Westerly, R. I., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware
Application November 4, 1937, Serial No. 172,733
6 Claims. (Cl. 270—32)

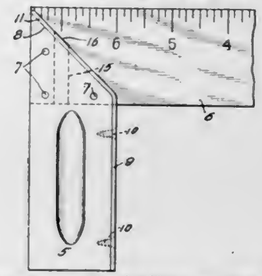


1. In a folder, a pair of cutting and folding cylinders, means for feeding a web or associated webs thereto, cutting devices on said cylinders operating to almost sever successive sheets or groups of sheets from the web or webs, and folding devices on said cylinders operating to fold alternate sheets or groups of sheets to each cylinder and to tear each sheet or group of sheets as it is being folded, from the next preceding folded sheet or group of sheets, thereby causing the folded sheet or group of sheets to carry the leading end or ends of the web or webs partly around one cylinder and the next succeeding folded sheet or group of sheets to carry the leading end or ends of the web or webs partly around the other cylinder.

2,139,242
INTAGLIO PRINTING INK
Walter W. Mock, Rutherford, N. J., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application April 16, 1938, Serial No. 202,449
2 Claims. (Cl. 134—36)

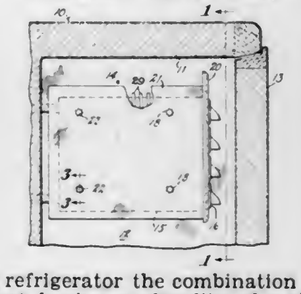
1. An intaglio printing ink comprising a solution of 15–30% gilsonite in a liquid component containing 85–95% petroleum naphtha more volatile than benzol and 5–15% of a ketone more volatile than benzol.

2,139,243
TRY SQUARE
William H. Mohr, Southington, Conn., assignor to The Peck, Stow & Wilcox Company, Southington, Conn., a corporation of Connecticut
Application April 6, 1938, Serial No. 200,302
5 Claims. (Cl. 33—112)



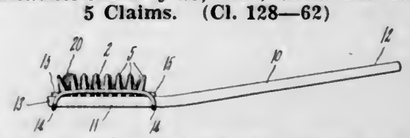
1. A try square, including a stock and blade, means for holding said stock and blade together, a trim plate for the face and blade end of said stock, said blade and trim plate having mutually abutting surfaces for holding one end of said trim plate in place adjacent the end of said stock and the balance of said trim plate against the face of said stock.

2,139,244
REFRIGERATOR
Carl H. Nauert, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application July 3, 1936, Serial No. 88,722
5 Claims. (Cl. 62—126)



3. In a refrigerator the combination of a cooling element having a plurality of sockets associated therewith, a readily detachable baffle plate having apertures therein substantially in alignment with said sockets, yieldable means detachably engaging said sockets and securing said plate in quick detachable relation with respect to said cooling element, and means thermally insulating and spacing said plate from said cooling element whereby to prevent the formation of frost and the conduction of cooling effects between the cooling element and the baffle.

2,139,245
TOOTH BRUSH ATTACHMENT
Floyd H. Ogden, Watertown, Mass.
Application January 25, 1937, Serial No. 122,123
5 Claims. (Cl. 128—62)



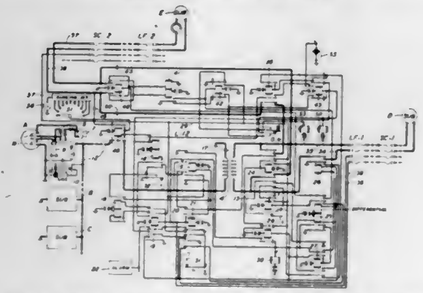
1. An attachment for tooth brushes and the like, said attachment comprising spaced flexible

side members and spaced end members uniting said side members and lying in a substantially single plane, to provide an open flexible frame, yieldable post elements carried by and upstanding from said side members, one of said end members having a part for engagement about the brush head, the other of said end members being provided with a mounting-perforation for the reception of the brush handle, the axis of said perforation extending substantially at right angles to the plane of the end member.

2,139,246
CASTINGS OF ALUMINIUM ALLOYS
Paul Spitaler, Bitterfeld, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application April 24, 1935, Serial No. 17,971. In Germany May 4, 1934
3 Claims. (Cl. 75—147)

2. Castings of aluminium alloys consisting of 5 to 7% of magnesium, 0.8 to 1.5% of silicon, manganese in a quantity up to 2.5%, the balance being aluminium, such castings having a compact texture and a high mechanical strength at elevated temperatures.

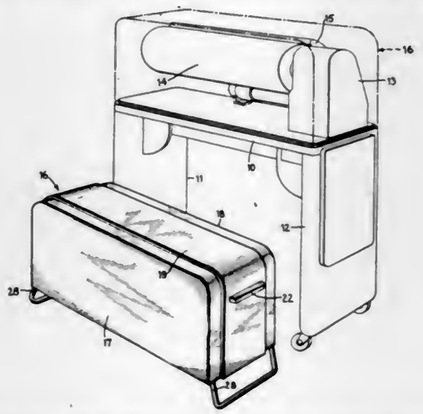
2,139,247
TELEPHONE SYSTEM
Ray L. Stokely, Floral Park, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 11, 1935, Serial No. 26,027
17 Claims. (Cl. 179—17)



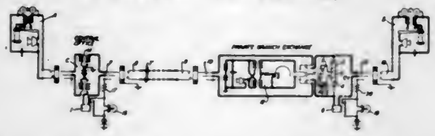
1. In a telephone system, a line, a subscriber's station, an impulse sender at said station, an impulse repeater for said line and no other, and circuit means responsive to the removal of the receiver from the receiver-hook at said station for operatively extending said line to said impulse repeater.

2,139,248
BENCH
Louis C. Upton, St. Joseph, Mich., assignor to Nineteen Hundred Corporation, Binghamton, N. Y., a corporation of New York
Application April 15, 1936, Serial No. 74,445
2 Claims. (Cl. 155—151)

1. A bench comprising, a seat, flanges at right angles thereto and depending therefrom at each end thereof, a pair of bails pivotally attached at each end of said seat, the pivots of said bails being arranged on the underside of said seat and adjacent but in spaced relation to the end flanges thereof, said bails being shiftable into a position parallel with said seat and to a position to protrude downwardly beyond the lower edges of said flanges to form legs, the bails in said last mentioned position being directed outwardly from their pivots toward said flanges and engaging the lower edges thereof, the length of said legs above said point of engagement being sufficient to brace said legs against further outward movement and means for urging said bails to either of said positions.



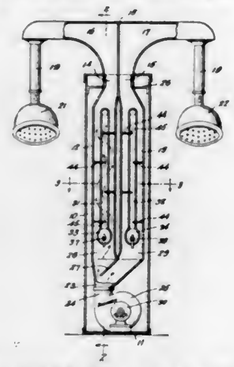
2,139,249
TELEPHONE SYSTEM
Paul V. Welch, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 1, 1937, Serial No. 140,104
5 Claims. (Cl. 179—51)



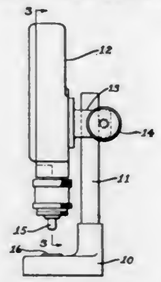
1. In combination, a telephone line, a switching circuit for making connection with said line, a bridge connected across the conductors of said switching circuit, means for closing said telephone line to establish a path including said line in parallel to said bridge, a source for supplying current over said switching circuit to said bridge and to said line, and a variable-resistance element responsive to the flow of current in said bridge to lower the resistance of the bridge and responsive to the flow of current in said line to raise the resistance of said bridge.

2,139,250
MULTIPLE HOOD HAIR DRYING APPARATUS
Anthony E. Zingone, New York, N. Y.
Application April 30, 1936, Serial No. 77,205
2 Claims. (Cl. 126—116)

1. An air heating apparatus of the type which includes a plurality of vertically disposed air draft conduits arranged parallel to each other and each having an outlet at its upper end, a common blower for said draft conduits communicating therewith at the lower ends thereof; a heating tube disposed centrally of and extending upwardly through each draft conduit, and independently controlled heating means at the lower end of each heating tube for separately regulating the temperature of the air draft supplied to each draft conduit, and baffle plates disposed perpendicular to the axis of each conduit and tube and extending alternately inward from the inner surface of each conduit and through the heating tube approximately to the cross sectional center of the conduit and tube.



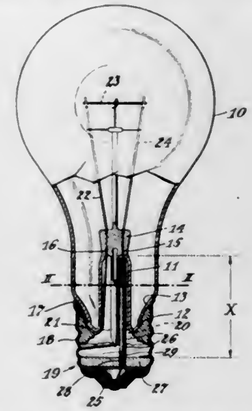
2,139,251
MEASURING INSTRUMENT
Willis Fay Aller, Dayton, Ohio, assignor to The Sheffield Gage Corporation, Dayton, Ohio, a corporation of Ohio
Application March 1, 1937, Serial No. 128,422
10 Claims. (Cl. 33—147)



1. In a measuring instrument of the character described, a support, an adjusting plunger mounted for axial movement in said support and having a transverse hole therethrough, indicating means operated by axial movements of said plunger, said plunger being rotatably adjustable in said support to vary the setting of the indicating means, a straight elongated pin extending through the hole in said plunger, a holder having sockets in which the ends of said pin are located, and hand operated means axially adjustable with relation to said holder for rotatably adjusting said holder for the rotatable adjustment of said plunger.

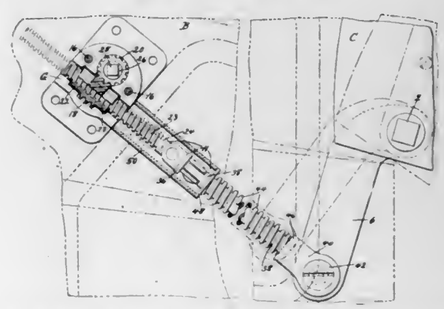
2,139,252
LAMP FUSE PROTECTOR
Waldemar E. Anderson and John A. Linder, Montclair, N. J., assignors, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 27, 1936, Serial No. 81,994
6 Claims. (Cl. 176—30)

1. A vacuum device comprising a bulb, a flare tube having a press and sealed to the bulb neck, a base secured to said neck, a lead wire in said tube, a fuse in a portion of said lead wire, said lead wire extending in said flare tube to said base, a tubular housing for said lead wire extending from press to base, held at one end by said flare tube,



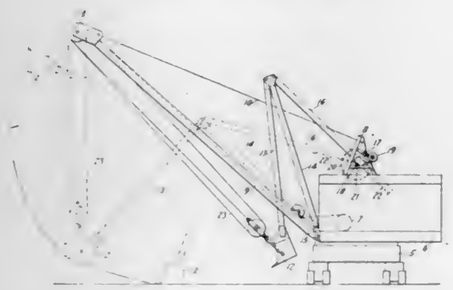
and means carried by said base for supporting the other end of said housing.

2,139,253
ADJUSTABLE SEAT
Clifford Bittner, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Refiled for abandoned application Serial No. 12,559, March 23, 1935. This application September 24, 1936, Serial No. 102,317
1 Claim. (Cl. 155—161)



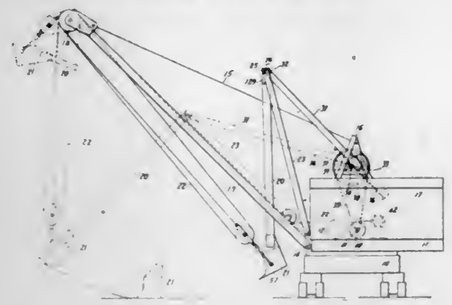
In a seat, a base frame having side portions, a back pivotally connected to the side portions for movement relative thereto, a control arm fixed to said back and depending therefrom, and means for shifting said back on its pivot including a tubular worm having an elongated internally threaded hub portion, a worm gear, a casing enclosing said worm and worm gear and having bearings retaining the worm and worm gear in normal mesh, certain of the walls of said casing confining said worm against longitudinal movement and being formed with alined openings, a threaded rod traveling through said aligned openings and normally meshing with the internal threads of said hub, a rod pivoted to said arm, a universal connection between said threaded rod and pivoted rod, an elongated shell enclosing said universal connection and that portion of said threaded rod between the casing and universal connection, a spring seat member on the pivoted rod arranged to bear against the free end of the shell, and a spring on said pivoted rod bearing against said spring seat for retaining said shell against said casing.

2,139,254
EXCAVATING MACHINE
Kenneth R. Bixby, Geneseo, Ill., assignor to The Marion Steam Shovel Company, Marion, Ohio, a corporation of Ohio
Application June 10, 1937, Serial No. 147,530
22 Claims. (Cl. 214—136)



1. In an excavating machine, a platform, a boom, a dipper, a supporting arm for said dipper extending across said boom and bodily movable both transversely thereto and lengthwise thereof, means carried by said boom for imparting digging movement to said dipper, a lever mounted on said platform and connected with said dipper arm, an arm connected with said lever and supported on said platform for both longitudinal movement and pivotal movement, and mechanism for actuating the last mentioned arm.

2,139,255
EXCAVATING MACHINE
Kenneth R. Bixby, Geneseo, Ill., assignor to The Marion Steam Shovel Company, Marion, Ohio, a corporation of Ohio
Application October 27, 1937, Serial No. 171,234
16 Claims. (Cl. 214—136)

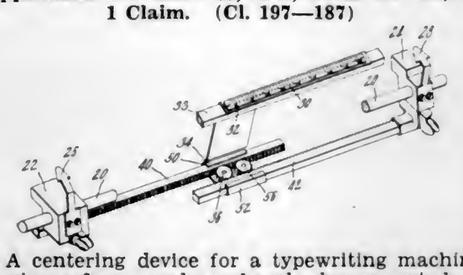


1. In an excavating machine, a normally inclined boom mounted for swinging movement about a vertical axis, a dipper arm supported for bodily movement both transversely to and lengthwise of said boom, a dipper carried by said arm, a movable member having supporting connection with said dipper arm, said connection being of a character to permit said dipper arm to have pivotal movement about a plurality of intersecting transverse axes, crowding mechanism for actuating said movable member to impart said bodily movement to said dipper arm, said crowding mechanism being supported by said machine independently of said boom, and means to impart digging movement to said dipper.

2,139,256
PARASITICIDAL COMPOSITION
Euclid W. Bousquet, Wilmington, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 15, 1935, Serial No. 16,407
1 Claim. (Cl. 167—22)

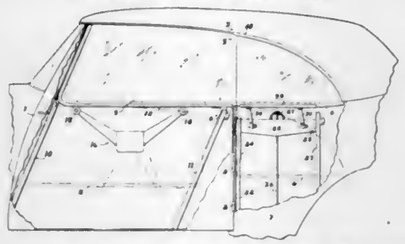
An emulsifiable anhydrous parasiticidal composition consisting essentially of lauryl thiocyanate and cyclohexyl diethyl ammonium lauryl sulfate in substantially equal proportions and characterized as a homogeneous solution readily dispersible in aqueous media to form stable emulsions for use as plant sprays.

2,139,257
CENTERING DEVICE FOR TYPEWRITING MACHINES
Elizabeth L. Burnett, Boston, Mass.
Application November 25, 1936, Serial No. 112,729
1 Claim. (Cl. 197—187)



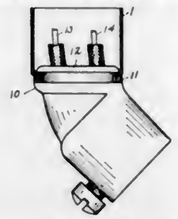
A centering device for a typewriting machine having a frame and a rod and a bar mounted on said frame, said device comprising an auxiliary scale freely slidable on said bar, a pair of index members slidably adjustable along said rod, a carriage depending from and supported by said auxiliary scale, a pinion rotatably mounted on said carriage, and a pair of racks meshing with said pinion and secured respectively to said index members.

2,139,258
VEHICLE BODY
Raymond L. Carr, Boston, Mass.
Application March 20, 1936, Serial No. 69,783
Renewed August 10, 1938
19 Claims. (Cl. 296—44)



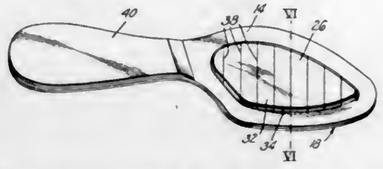
2. Vehicle body comprising a body wall having a door section and an adjoining section, transparent closure panels mounted on the respective sections and having adjoining transparent margins with transversely extending edge surfaces, and means supporting the panels and yieldably urging them toward each other in the plane of the wall thereby pressing their edge surfaces into firm contact, said means permitting a limited turning movement of one panel in its own plane, so that the panel edges are held in contact throughout their heights.

2,139,259
CABLE CONNECTER
Alfred Corbett, Irwin, and James M. G. Fullman, Sewickley, Pa., assignors to National Electric Products Corporation, a corporation of Delaware
Application May 20, 1937, Serial No. 143,668
2 Claims. (Cl. 247—28)



1. In combination with an electrical outlet structure comprising a wall having a feed opening therein, a tubular cable connecter having a cable-engaging portion and a portion disposed at an angle to the said cable-engaging portion adapted to enter the feed opening in a wall of the electrical outlet structure, a member formed of one piece with the tubular body of the cable connecter disposed inside the wall of the outlet structure and extended beyond the edges of the said opening therein for preventing removal of the cable connecter from position in said feed opening, a shoulder on said cable connecter lying outwardly of the said electrical outlet structure in the inserted position of the cable connecter, and resilient engaging means between the wall of the outlet structure containing the said feed opening and the said connecter shoulder permitting rotating movement of the cable connecter with respect to the structure wall while maintaining firm electrical contact between the connecter and the said wall.

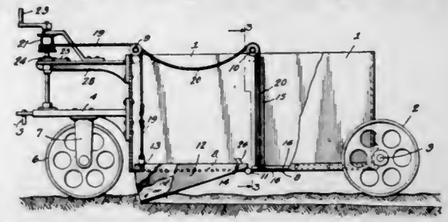
2,139,260
MANUFACTURE OF SHOES AND INSOLES THEREFOR
Michele Cuozzo, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application October 16, 1936, Serial No. 105,990
13 Claims. (Cl. 12—146)



1. That improvement in methods of making flexible cushioned insoles which consists in forming a cavity in the forepart of an insole, securing a cushion piece within said cavity, and thereafter slashing the forepart of said insole and said cushion piece to render the insole more flexible.

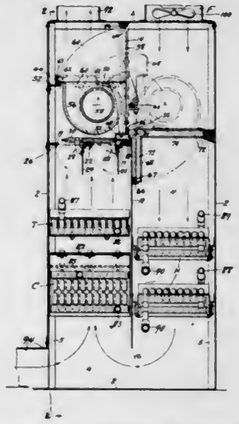
2,139,261
WHEELED SCRAPER
Frank S. Dobson, Lincoln, Nebr.
Application March 16, 1936, Serial No. 69,006
3 Claims. (Cl. 37—124)

3. A scraper comprising a traction mounted dirt holding body, separate front and rear bottom plates in the body normally forming a continuous load supporting surface, a horizontally movable pivot mounting for the rear end of the front plate, means applied to said plate to swing the same about said pivot mounting, and means



guiding the plate so that with upward swinging movement thereof from a normal position, the pivot mounting will move forwardly.

2,139,262
REVERSIBLE FLOW AIR CONDITIONING SYSTEM
Herbert D. Euwer, St. Louis, Mo., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application September 1, 1936, Serial No. 98,846
19 Claims. (Cl. 257—7)



1. In an air conditioning system for railway vehicles having passenger space, an air duct adjacent the lower portion of the vehicle, an air duct adjacent the upper portion of the vehicle, an air conditioning unit connecting said ducts, a set of cooling coils in said unit, a set of heating coils in the unit spaced from the cooling coils, and a blower assembly rotatably mounted in the unit, said blower being selectively shiftable to move air for recirculation through the selected set of coils independently of the other set.

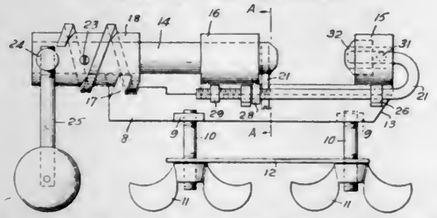
2,139,263
FOOT-TREATMENT DEVICE
Carl F. Fay, Davenport, Iowa
Application February 26, 1938, Serial No. 192,802
2 Claims. (Cl. 36—76)



1. In combination with a shoe, an anterior heel located under the forward portion of the arch and spaced from the shoe heel, and a pair of pads secured to the shoe sole, the rear edges of

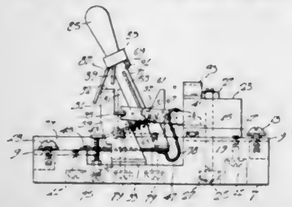
which are spaced forwardly from said anterior heel, said pads extending from said rear edges to the toe of the shoe and being spaced from each other throughout their length and said pads being of greater thickness at their outer edges than at their proximal edges.

2,139,264
NUTCRACKER
John C. Fiddyment, Lockport, Ill.
Application December 21, 1935, Serial No. 55,636
3 Claims. (Cl. 146—16)



1. In a nut cracker, a cracking jaw having an oval annular cutting edge that is concave with relation to a chord connecting two points disposed 180° apart therein, said chord being coincident with the long axis of the said cutting edge.

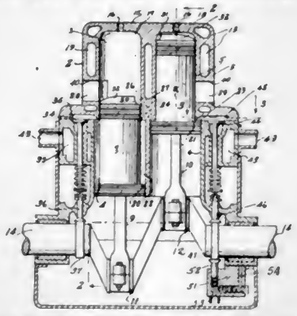
2,139,265
CIRCUIT BREAKER
Harlan S. Gano, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 21, 1936, Serial No. 106,782
23 Claims. (Cl. 200—116)



1. In a circuit breaker, contact means, means for moving said contact means to an open and to a closed circuit position with a snap action, comprising a pivoted contact actuating arm, a pivoted actuating member, an overcenter spring connecting said arm and said member, manual control means for moving said actuating member to shift the line of action of said spring relative to the pivot points of said arm and member to effect opening or closing of said contact means, and a current-responsive trip element directly supporting one of said pivot points, movable in response to predetermined conditions to move said pivot point to shift the line of action of said spring relative to said pivot points to cause opening of said contact means.

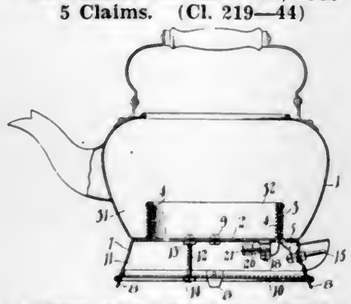
2,139,266
TWO-CYCLE COMBUSTION ENGINE
Laurence D. Harrison, Phoenix, Ariz.
Application May 20, 1937, Serial No. 143,766
6 Claims. (Cl. 123—59)

1. An engine of the two-cycle type having double pistons operative in double parallel positioned cylinders whereby ignition cylinders are formed in the upper smaller bore in each of said cylinders and compression chambers are formed by an expanded skirt portion of the piston operating in larger bores in the lower portion of said cylinders, said pistons having deflector heads and being operatively connected to a common crank shaft on crank throws positioned 180° apart, cross intake ports directly connecting the top portion of each lower compression cylinder with each opposite companion ignition cylinder, exhaust ports opening into said ignition cylinders positioned to be opened and operated by the piston therein and having a vertical depth not less



than twice that of said intake port, passageways connecting the upper end of said compression cylinders to a source of carburation, said passageways being provided with poppet valves, mechanically operated from cams positioned on said engine crank shaft timed to open on the down stroke of the piston operating in its respective cylinder, said compression cylinders being proportioned so that their piston displacement equals the volume of the upper portion of the ignition cylinder into which they discharge above the plane of the upper edge of its exhaust port.

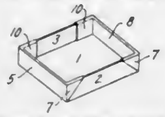
2,139,267
COOKING VESSEL
John A. Hashek, Toronto, Ontario, Canada, assignor to Jabez Blood, Toronto, Ontario, Canada
Application January 11, 1937, Serial No. 119,983
In Canada November 25, 1936
5 Claims. (Cl. 219—44)



1. A cooking vessel having a liquid receiving chamber; a partition extending upwardly from the bottom of said chamber dividing the lower portion into two compartments, one of which is smaller than the other; electric heating means in said partition for simultaneously heating said compartments; and means for automatically cutting off said heating means when said smaller compartment becomes dry.

2,139,268
METHOD OF MAKING FOLDING BOXES
Roderick W. Hoag, Melrose, Mass.
Application January 15, 1937, Serial No. 120,746
5 Claims. (Cl. 93—49)

1. The method of making a box of the character described, comprising; scoring and cutting a paper-board blank to form a bottom, a pair of side walls, a pair of end walls, embryo bellows fold sections adjacent to the ends of the side walls and ends of the end walls, end wall extension sections, and side wall locking sections; folding opposite side margins of the blank over upon center areas of the blank; applying adhesive to



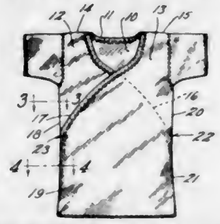
predetermined areas of the folded side margins; folding opposite ends of the blank upon midportions of the folded side margins, raising the side walls and the end walls to upright positions, and folding the end wall extension sections and the wall locking sections against corresponding inside surfaces of the box walls.

2,139,269
DECORATIVE PAPER AND METHOD OF MAKING THE SAME
Garrison Householder, South Hadley, and Walter V. Shearer, Springfield, Mass., assignors to The Beveridge-Marvellum Company, Holyoke, Mass., a corporation of Massachusetts
Application May 13, 1935, Serial No. 21,138
6 Claims. (Cl. 91—67.9)



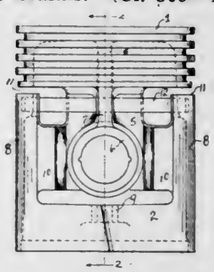
1. The method of decorating paper which comprises coating the paper with various thicknesses of a solution containing a crystallizable material in solution in a volatile solvent, said variations in thickness extending over areas of different shape and extent to form a predetermined pattern, and then evaporating the solvent to cause crystallization of the crystallizable material whereby predetermined areas of differing crystalline characteristics are produced dependent upon the difference in the coating thickness.

2,139,270
GARMENT
Wilma Davis Humphlett, Feeding Hills, Mass., assignor to Malone Knitting Company, Springfield, Mass., a corporation of Massachusetts
Application January 7, 1937, Serial No. 119,480
1 Claim. (Cl. 2—111)



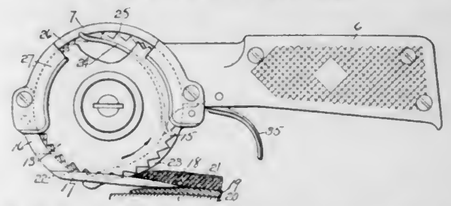
A one-piece buttonless shirt comprising a back piece and two overlapping front pieces, one of the front pieces being secured throughout one vertical edge of the back piece with the exception of the arm hole, and the other front piece being similarly secured throughout the other vertical edge of the back piece, the upper edge of the back piece being cut away to form the rear portion of the neck opening of the garment, the upper parts of the front pieces being cut away along oppositely inclined diagonal lines, the so cut upper edges of the front pieces forming downwardly inclined extensions of the neck opening, the side edges of the front pieces below said diagonal upper edges being secured to opposite vertical edges of the back piece, the lower ends of said diagonal edges being so located that the diagonal edges are of sufficient length to permit increase of the neck opening to substantially the size of the main tubular body of the garment by vertical contraction of the garment.

2,139,271
PISTON
Frank Jardine, Cleveland, Ohio, assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio, a corporation of Ohio, trustee
Application July 31, 1925, Serial No. 47,214
16 Claims. (Cl. 309—13)



1. A piston comprising a head having depending boss carrying walls, bearing walls separated from the head at their upper ends and connected by distortable means to the boss carrying walls, the said head, boss carrying walls, bearing walls and distortable means being composed of metal having a high coefficient of expansion, and chordally extending connectors having a low coefficient of expansion as compared therewith extending between said bearing walls on opposite sides of the piston with their ends extending into and embedded in the material of said bearing walls, said connectors limiting the diametrical expansion and contraction across the bearing walls to substantially that of the connectors and causing flexing of the said distortable means as the temperature of the piston is changed.

2,139,272
SAW FOR REMOVING PLASTER CASTS
Charles N. Jaworski, Hartford, Conn.
Application August 4, 1936, Serial No. 94,159
5 Claims. (Cl. 128—317)



4. A saw for removing plaster casts, said saw including a stock and a head rigidly connected, a gear chamber within said saw, a hole extending through said stock, a driving shaft extending along said hole, gear driving members operatively

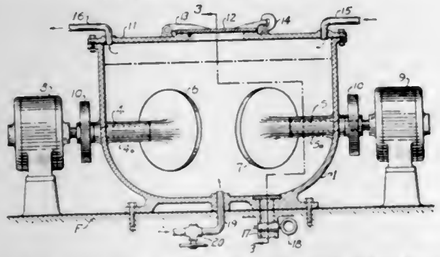
connected within said gear chamber, a recess formed on one side of said head, a pair of saws rotatably mounted in said recess and operatively connected with said gears, a shoe extending downwardly from said head along the periphery of said saws and having an opening to receive the teeth thereof, and a presser lever pivotally mounted in said stock and projecting downwardly with its lower end in cooperative engagement with said shoe.

2,139,273
BEDPAN
Frank E. Jones, West Lafayette, Ohio, and Frank C. Wachs, Milwaukee, Wis.
Application December 31, 1936, Serial No. 118,510
7 Claims. (Cl. 4—112)



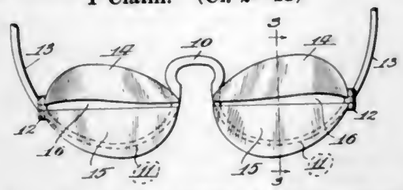
1. A bed pan, comprising an elongated top member having an aperture terminating considerably short of the rear end of the pan, the rear portion of said top being depressed toward the opening, the body of the pan comprising a bottom portion diverted upwardly at the sides, front and rear to join the top, the diversion being materially greater at the front than at the rear so that there is an approximately vertical wall leading downward from the opening at the front end of the pan and an inclined wall leading downwardly from the rear end assisting in tending to tip the pan upwardly when there is downward pressure on the rear end, the side walls connecting the bottom with the top comprising outwardly convex portions composed of nearly parallel longitudinal lines so that the pan may readily rock laterally without liability of skewing, the center portion of the bottom being composed of a surface made of substantially straight longitudinal lines giving the pan stability in a fore and aft direction, and preventing teetering.

2,139,274
APPARATUS FOR AGITATING AND DISINTEGRATING PULP
Leslie Justice, Philadelphia, Pa., and William Dean Macgeorge, Woodbury, N. J.
Application August 15, 1935, Serial No. 36,336
3 Claims. (Cl. 92—37)



1. An apparatus for agitating and disintegrating pulp, consisting of a tub adapted to contain the pulp to be agitated and disintegrated, two alined horizontal shafts extending from opposite walls of said tub toward each other, a plane disk mounted on the inner end of each shaft and being inclined to the axis of its shaft, said disks being juxtaposed and having an unobstructed free space between them, and means positioned at the outer end of each shaft for imparting rotary motion thereto.

2,139,275
EYESHIELD AND VISOR
Thomas P. Lee, Inglewood, Calif.
Application July 12, 1937, Serial No. 153,148
1 Claim. (Cl. 2—13)



In an eye visor and shield, a frame comprising an arched central portion, semi-elliptic members extending downwardly and outwardly from the ends of said arched central portion, bows hinged to the outer ends of said semi-elliptic members, visor members having their ends secured to the sides of the arched central portion of the frame and to the outer ends of the semi-elliptic portions of the frame and shield members secured to the semi-elliptic portions of the frame below said visor members, the lower portions of which shield members extend below the semi-elliptic portions of said frame.

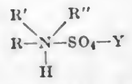
2,139,276
EMULSIFYING AND TREATING AGENTS
Samuel Lenher and Luther B. Arnold, Jr., Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 12, 1934, Serial No. 743,720
8 Claims. (Cl. 252—6)

3. A self-emulsifying composition which comprises a hydrocarbon material selected from the group consisting of mineral oils and waxes having dissolved therein an aliphatic monohydric alcohol having at least 4 carbon atoms and an N-dialkyl cyclohexylamine salt of a sulfuric acid ester of a normal primary aliphatic alcohol containing from 10 to 18 carbon atoms.

5. A self-emulsifying composition which comprises a petroleum wax having dissolved therein from about 0.2% to about 5% by weight of an N-dialkyl cyclohexylamine salt of octadecyl sulfate and cetyl alcohol.

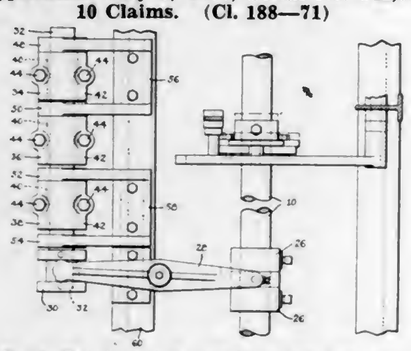
2,139,277
DIALKYL CYCLOHEXYLAMINE SALTS OF HIGHER ALKYL SULPHATES
Samuel Lenher and Luther B. Arnold, Jr., Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 23, 1938, Serial No. 192,160
8 Claims. (Cl. 260—459)

1. Chemical compounds having the following general formula:



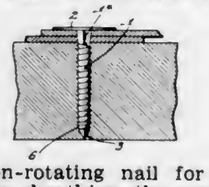
wherein R is a cyclohexyl radical, R′ and R″ are alkyl groups containing not more than three carbon atoms, and Y is a normal primary aliphatic hydrocarbon radical having 8 to 20 carbon atoms.

2,139,278
KNITTING MACHINE
Karl Richard Lieberknecht, Oberlungwitz, Germany, assignor to Kalio, Inc., New York, N. Y., a corporation of New York
Application May 6, 1937, Serial No. 141,007
10 Claims. (Cl. 188—71)



1. In a flat knitting machine having a shiftable cam shaft, braking devices controlled by the shaft to brake the shifting movement thereof constructed and arranged to progressively add increments of braking surface during a movement of the shaft in either direction.

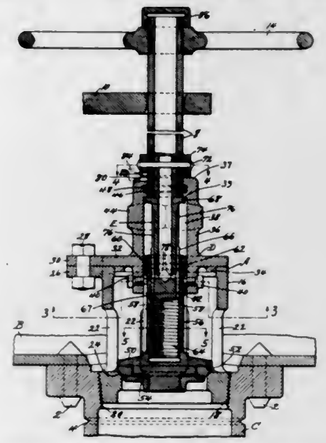
2,139,279
ROLL ROOFING FASTENER
Hamilton M. Maze, Peru, Ill., assignor to W. H. Maze Company, Peru, Ill., a corporation of Illinois
Application February 13, 1937, Serial No. 125,524
6 Claims. (Cl. 108—33)



1. In a non-rotating nail for securing roll roofing to thin sheathing, the combination with a short shank having a thread extending over substantially the entire sheathing engaging portion thereof, said thread being of sufficiently low pitch to prevent rotation during driving or pulling, of a relatively large integral thin flexible head on said shank, said head being sufficiently thin to permit it to flex under strains materially less than the holding power of said thread in standard thin sheathing.

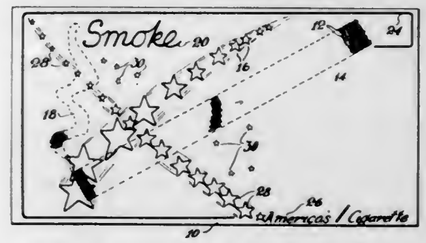
2,139,280
LUBRICATED VALVE
John J. McBride, Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application January 6, 1937, Serial No. 119,213
13 Claims. (Cl. 137—21)

1. A discharge valve for containers comprising, a valve cage adapted to be secured to a container and formed with outlet ports and a valve seat, a cap secured to said cage and extending upwardly therefrom, a valve element slidably mounted within the cage, a valve stem projecting from said element and guided by said cap, operating means for said valve element threadedly engaged with the valve stem whereby rotation thereof will raise and lower said valve element, and sealing



means between said cap and operating means and between said valve stem and cap thereby preventing ingress of material from the container.

2,139,281
METHOD OF ADVERTISING AND APPARATUS FOR USE IN CONNECTION THEREWITH
John Oliveri, New York, N. Y.
Application August 18, 1938, Serial No. 225,552
18 Claims. (Cl. 40—130)

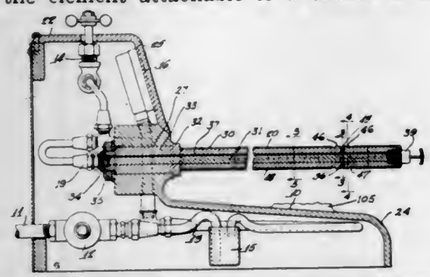


1. An advertising method comprising presenting an illuminated design, ceasing to present the design, after an interval presenting a changing illuminated design of a burning cigarette as it is consumed, and causing that portion of the design which represents smoke to form successively the letters of a word as the cigarette appears to burn away.

2,139,282
GAUGING DEVICE
Louis F. Poock and Willis Fay Aller, Dayton, Ohio, assignors to The Sheffield Gage Corporation, Dayton, Ohio, a corporation of Ohio
Application January 6, 1937, Serial No. 119,293
4 Claims. (Cl. 33—178)

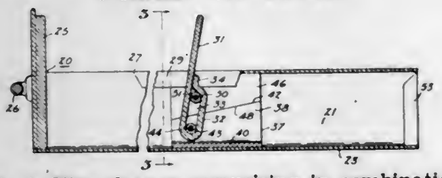
1. A gauging element of the character described having a fluid passage therein, said element comprising a sleeve like member having a gauging surface thereon and a fluid escape opening extending from the gauging surface to the interior bore thereof, a bar removably receivable in the sleeve and having a groove therein adapted in assembly for registration with the sleeve opening, the sleeve cooperating with the groove of the bar to define the fluid passage, and means

on the element attachable to a source of fluid



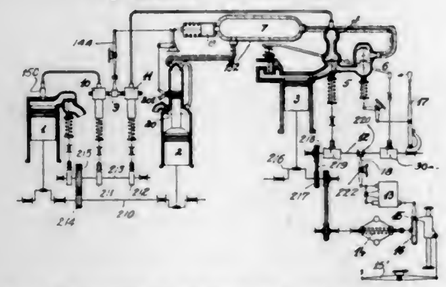
pressure and providing communication through the fluid passage to the fluid escape opening.

2,139,283
FILING DRAWER OR THE LIKE
Walter F. Regenhardt, Cleveland, Ohio
Application June 19, 1935, Serial No. 27,283
7 Claims. (Cl. 129—31)



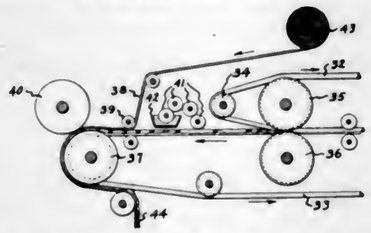
1. A filing drawer comprising in combination, sheet metal providing side walls and a connecting bottom wall, the upper edges of the side walls being bent inwardly and downwardly to form horizontally extending guides and abutments, a member slidable in each of said guides, said members each having a camming surface on the lower edge thereof, means slidable over the bottom wall and providing spaced camming members each having a camming surface on the upper edge thereof adapted to cooperate with the first mentioned camming surfaces, and a follower file-back pivotally attached to all of said members and adapted, when rotated rearwardly, to cause the camming surfaces to cam the sliding members into binding relation with the abutments and bottom wall, respectively.

2,139,284
COMBUSTION ENGINE
Hermann Rieseler, Kiel, Germany
Application October 12, 1935, Serial No. 44,662
In Germany November 22, 1932
3 Claims. (Cl. 60—44)



1. A combustion engine of the character described comprising a gas expansion chamber having a movable work member, a combustion chamber in which combustion gases are produced sufficient for the power operation of said movable work member, said combustion chamber being fixed in close proximity to the expansion chamber, supply means of short length extending directly from the combustion chamber to the expansion chamber and having a valve operable to vary the flow of combustion gases supplied to the expansion chamber, an air compressor, an auxiliary engine for operating said compressor, said auxiliary engine being independent of any energy drain on the combustion chamber, means for controlling the output of said auxiliary engine, a passage in heat conducting communication with and extending around said combustion chamber and having a discharge opening communicating with the combustion chamber, means for supplying compressed air from said compressor to said passage at a point remote from said discharge opening to heat the air and cool the combustion chamber, means for periodically injecting fuel to the combustion chamber in the normal operation of the combustion engine, means for operating said valve in timed relation to the movements of said movable work member to open the valve before the time of fuel injection to the combustion chamber, and means for controlling the weight of combustion gases supplied per cycle of operation of the work member.

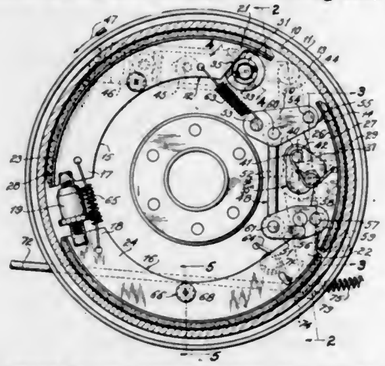
2,139,285
PROCESS AND MACHINE FOR MAKING CRUSHED CORRUGATED PAPERS
William Wallace Rowe, Cincinnati, and Warren A. Morris, Wyoming, Ohio, assignors to The Paper Service Company, Lockland, Ohio, a corporation of Ohio
Application November 21, 1934, Serial No. 754,030
17 Claims. (Cl. 154—31)



4. In a corrugating apparatus, the combination of corrugating means comprising belts traveling with a web upon both sides thereof, crushing means through which said web is led, said corrugating means also passing through said crushing means, and means beyond said crushing means in the direction of travel of said web to cause said belts to leave the surface of said crushing means so as to permit the subsequent withdrawal of said web from said belts.

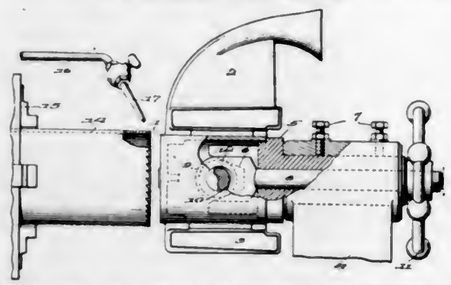
2,139,286
FRICTION BRAKE
Robert C. Russell, Shaker Heights, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application November 27, 1936, Serial No. 113,014
5 Claims. (Cl. 188—78)

1. In a brake the combination of a rotatable drum, a support adjacent the drum, a friction device extending adjacent a surface of the drum, an actuator shoe adapted to be shifted by the drum, and means for transmitting motion from the actuator shoe to the friction device comprising a pair of levers pivoted on said support and engageable respectively with said shoe and the friction device and a link connecting said levers,



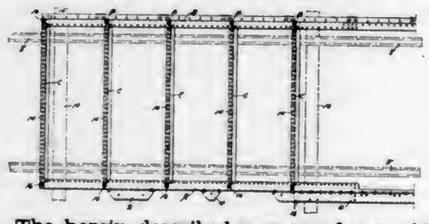
said levers being spaced circumferentially of the drum and extending generally radially thereof.

2,139,287
MACHINING OF CAST PISTONS
Arthur E. Schnell and Melbourne A. Beckmann, Cincinnati, Ohio, assignors to Aluminum Industries Inc., Cincinnati, Ohio, a corporation of Ohio
Application August 25, 1936, Serial No. 97,842
6 Claims. (Cl. 82—1)



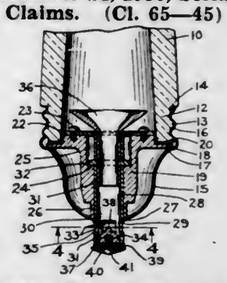
1. A tool for rough machining of cylindrical castings, comprising in combination a barrel saw and a spiral end mill, said end mill being located within the barrel saw at a point at which it will be in position to machine one end of the casting when the barrel saw is approximately at the end of its cutting stroke.

2,139,288
METHOD OF CAR CONSTRUCTION
Tolbott G. Shipley, St. Louis, Mo., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application March 6, 1937, Serial No. 129,339
3 Claims. (Cl. 29—164)



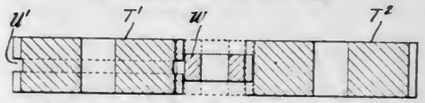
1. The herein described process of assembling car sides which comprises arranging a side sill, side plate and side posts in definite relative relation on a work positioning support, temporarily connecting the side sill and side plate to the posts to form a skeleton frame, arranging side sheets in position on said skeleton frame, securing the side sheets to the side sill, side plate and posts by tack welding to form a semi-rigid side while holding the side sheets firmly in position, removing the temporary fastenings, removing the semi-rigid side from the work positioning support, and finally rigidly connecting the side sheets, posts, side sill and side plate together.

2,139,289
CONDIMENT DISPENSER
Emil G. Skoda, Bridgeport, Conn.
Application December 24, 1936, Serial No. 117,594
4 Claims. (Cl. 65—45)



3. In a dispenser for condiments or the like, an outlet nozzle of tubular form open at its inner end and closed at its outer end having a plurality of circumferentially arranged spaced outlet openings contiguous to said closed end, and condiment deflecting means disposed in said nozzle consisting of a member having a tapered surface disposed inwardly and in transversely opposed relation to said openings and converging toward said open end of said tubular form adapted to deflect the condiment outwardly through said openings.

2,139,290
APPARATUS AND METHOD FOR LAPPING GEARS
William F. Slomer, Detroit, Mich., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont
Application September 23, 1933, Serial No. 690,715
7 Claims. (Cl. 51—26)

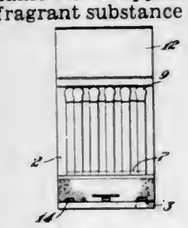


7. The method of finishing gears with teeth of crowning formation which consists in running such teeth in mesh with a master gear tool, effecting relative axial reciprocation between the work piece and tool, and limiting the extent of contact between the tool and work so that the action of the tool is applied with greater concentration at and near the ends than at the middle part of the teeth being finished simultaneously on opposite sides of each tooth in turn.

2,139,291
ODOR DISPENSING DEVICE
Daniel Topjian, Watertown, Mass.
Application April 2, 1937, Serial No. 134,463
1 Claim. (Cl. 21—111)

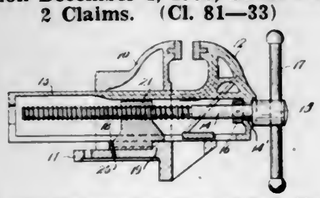
An odor dispensing match packet substantially indistinguishable in external appearance from usual match packets and comprising in combi-

nation with an enclosing holder, a butt of paper-like sheet material secured to and disposed within the holder, said butt having a series of match sticks extending therefrom and integrally joined thereto, each match stick having a striking head, there being a line of weakness at the junction of each stick with the butt to facilitate detachment of each individual stick from the butt, said butt with its attached sticks and heads having substantially the same visual appearance as a usual match card, a fragrant substance and a substance



promoting smoldering combustion impregnating the butt and a portion of each stick which lies between the head and butt, said fragrant substance being slowly volatilizable at room temperatures and being more rapidly volatilizable at elevated temperatures whereby smoldering of an individual detached match stick evolves a pleasing odor and whereby the butt which remains within the holder even after detachment of all of the match sticks will emit a pleasing fragrance for a long period of time so that the empty holder may constitute a sachet.

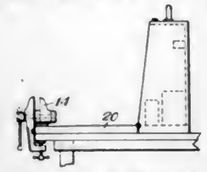
2,139,292
VISE
John Tramsak, Cleveland, Ohio, assignor to The Columbian Vise & Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application December 4, 1936, Serial No. 114,209
2 Claims. (Cl. 81—33)



1. In a vise the combination of a stationary jaw having a base for attachment to a support, a movable jaw having a beam slidably mounted in said stationary jaw, a screw carried by said movable jaw, and a nut, with which said screw cooperates, provided with a dove-tailed foot and a projection extending forwardly from said foot, said base having a dove-tailed slot which is complementary to and adapted to receive said foot and a surface with which the bottom surface of said projection engages the relative heights of said engaging surfaces above the bottom of said slot being such that said foot is forced upwardly into tight engagement with the walls of said slot by the engagement of said surfaces when said nut is driven into its fixed position on said base.

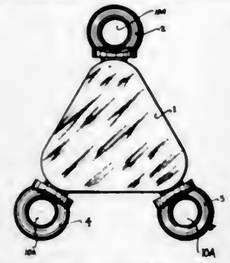
2,139,293
PORTABLE WORKBENCH
Paul T. Wallgren, Chicago, Ill.
Application February 13, 1936, Serial No. 63,678
1 Claim. (Cl. 144—285)

In combination, an article of furniture having a plane top surface, a tool chest having top, bottom and end walls resting on said surface, a back wall extending upwardly from said bottom wall, a massive front wall having its entire inner surface in a common plane, hinged to the chest and movable to a position to constitute a closure for said chest or into a position overlying and resting on said surface for converting said article of furniture into a workbench with the tools



accessible from the front thereof, means for rigidly securing said chest and closure in extended position on said surface, said bottom wall being wider than said top wall whereby when said chest is closed the same may be supported on its back wall with the bottom wall toward the rear of the article of furniture for cooperating therewith to form a drafting table.

2,139,294
THREE-WAY SWIVEL
Anthony Weigant, Portland, Oreg.
Application September 7, 1937, Serial No. 162,824
2 Claims. (Cl. 254—135)

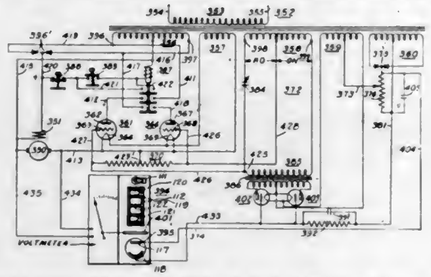


1. In a device of the class described, the combination of a body element that is comprised of spaced side walls that are secured together at their peripheral edges by a rim, socket joints disposed within the rim at spaced intervals, a section of a spherical ball fitted to each of the sockets, an anti-friction bearing race disposed at one side of the ball section, anti-friction bearings positioned within the bearing race, an eye fastening passing through the section of the ball, and headed over to complete the anti-friction bearing race for the anti-friction bearings and a spaced slit disposed in the rim of the assembly through which the neck of the eye member may be made to oscillate.

2,139,295
MEASURING AND REGULATING DEVICE
George V. Woodling, Wilkinsburg, Pa.
Application April 22, 1932, Serial No. 606,837
44 Claims. (Cl. 171—312)

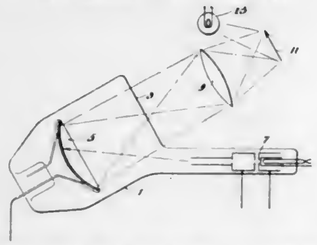
1. In combination with a source of electrical energy, a dynamo-electric machine, two power grid-glow tubes, means for connecting the power grid-glow tubes and the dynamo-electric machine in circuit relation with the source of electrical energy whereby the power grid-glow tubes may govern the operation of the dynamo-electric machine, a bridge phase-shifting circuit for controlling the power grid-glow tubes and thus the operation of the dynamo-electric machine, a light-sensitive device for controlling the bridge

phase-shifting circuit, a source of light for influencing the light-sensitive device, a graph-member constructed substantially in accordance with an electrical characteristic of the dynamo-electric machine and movably positioned between the light sensitive device and the source of light



for varying the amount of light falling upon the light-sensitive device and thus causing the power grid-glow tubes to govern the operation of the dynamo-electric machine, and means for actuating the movable graph-member in accordance with the condition of the dynamo-electric machine.

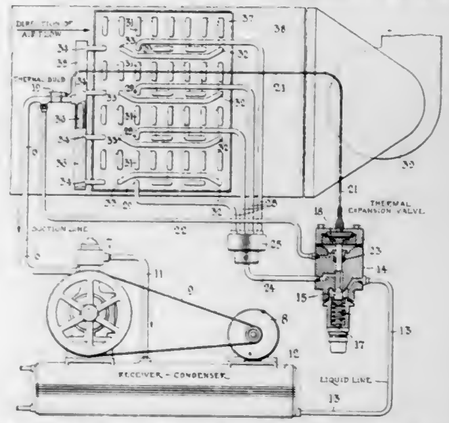
2,139,296
CATHODE RAY TUBE
Vladimir K. Zworykin, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application February 23, 1934, Serial No. 712,514
4 Claims. (Cl. 250—150)



4. A cathode ray image transmitting tube comprising a container provided with a photosensitive mosaic electrode in the form of a target and with means for developing a ray of electrons and directing the ray at a surface of said photosensitive mosaic target for scanning the same so as to produce image signals, the scanned portion of said surface being concave toward said ray-developing means to prevent distortion due to scanning, and additionally characterized in that the scanned portion of the surface of the photosensitive target is substantially a spherical surface of revolution.

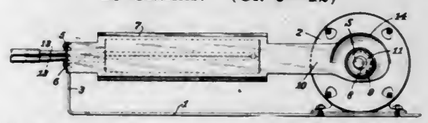
2,139,297
REFRIGERATION
John G. Bergdoll, York, Pa., assignor to York Ice Machinery Corporation, York, Pa., a corporation of Delaware
Application March 6, 1937, Serial No. 129,475
13 Claims. (Cl. 62—8)

1. The method of cooling a stream of fluid by flow in heat exchanging relation with an evaporator which comprises passing the fluid in heat exchanging relation with a refrigerant superheating section and then in heat exchanging relation with a main refrigerant evaporating section of an evaporator while supplying volatile liquid refrigerant under pressure to the said main section, directing the refrigerant therethrough in concurrent flow relation relatively to the fluid stream and thence directing it through said superheating section; withdrawing superheated refrigerant vapor from said superheating section at a pressure lower than the pressure at which



said liquid refrigerant is supplied; and varying the rate of such supply of liquid refrigerant in relation to the differential between a force proportional to evaporator pressure and a force proportional to the temperature of said withdrawn refrigerant.

2,139,298
HONEY UNCAPPING MACHINE
William T. Brand, Mitchell, Nebr.
Application June 2, 1937, Serial No. 146,084
16 Claims. (Cl. 6—12)

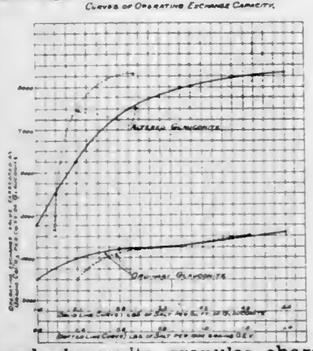


15. In a honey uncapping machine, a base, a knife flexibly supported thereby at one end thereof, and means at the other end of said knife for reciprocating the knife and for imparting a chopping motion thereto.

2,139,299
ALTERED GLAUCONITE AND METHOD OF ALTERING
William McAfee Bruce, Mount Holly, N. J., and Ray Riley, Long Island City, N. Y., assignors to The Permutit Company, New York, N. Y., a corporation of Delaware
Substitute for application Serial No. 676,548, June 19, 1933. This application April 6, 1936, Serial No. 73,034
19 Claims. (Cl. 23—111)

4. The process of making from glauconite a radically altered product having radically greater operating exchange power in water softening and capable of being regenerated with radically less salt per unit of hardness removed from the water, wherein glauconite granules are first heated to temperatures above 850° F. under reducing conditions and for a time sufficient to radically alter the granules in chemical and physical respects including removal of the greater part of the water of hydration with greater decrease in porosity and in operating exchange power and thereafter the heat treated granules are treated with hot strong caustic alkali solution of a strength and for a time sufficient to develop porosity in the granules of an order fifty per cent

greater than that of the original glauconite granules and also to develop said greater operating exchange power.



19. Altered glauconite granules characterized by an artificial operating base-exchange value exceeding 5500 grains hardness as $CaCO_3$ per cubic foot of granules upon regeneration with not more than 0.4 pound salt per 1000 grains of said hardness removed from water, said altered glauconite being produced by heating glauconite granules under reducing and dehydrating conditions to temperatures above 850° F. for a time sufficient to remove the greater part of the water of hydration with loss of porosity and exchange power followed by digesting the heat treated granules in hot strong caustic soda solution developing said artificial operating exchange value.

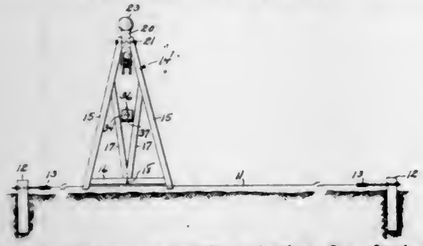
2,139,300

YARDAGE MEASURING DEVICE FOR FOOT-BALL GAMES

Leonard E. Cassell and David B. Massie, Clay Center, Nebr.

Application April 19, 1938, Serial No. 202,954

2 Claims. (Cl. 33—46)



1. A yardage measuring device for foot ball games comprising a wire adapted to be stretched parallel with the playing field, legs forming an inverted V, each leg having a groove at its free end to receive said wire, said legs having their ends fixed one yard apart, a bar connected to the adjacent upper ends of the legs and forming a handle for swiveling the legs to step off distances on the wire, and a sight carried by said bar, said sight having its sight line fixed in a normally vertical plane at right angles to the plane of said legs.

2,139,301

AUTOMATIC CLUTCH AND VARIABLE TRANSMISSION GEAR

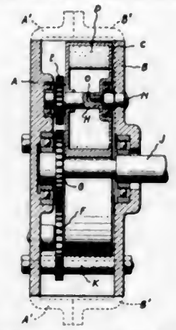
Arthur Nicholson Davey, Melbourne, Victoria, Australia

Application February 2, 1937, Serial No. 123,683

In Australia November 26, 1936

2 Claims. (Cl. 74—260)

1. Variable speed power transmission mechanism of the planetary type wherein rolling or planetary movement of the planet pinions is resisted through medium of centrifugally influenced bodies of a fluid or free moving substance, such as mercury, contained in drums or the like which are fast with the respective planet pinions; characterized in that each drum is provided around its internal periphery with relatively small teeth a considerable number of which are



at all times submerged in the fluid or like substance and produce a braking action upon the planet pinions by the friction or resistance created by the projections being forced through the main body of the fluid or like substance which is maintained by centrifugal action about the main or common axis in that part of the drum most distant from the common axis.

2,139,302

MANUFACTURE OF VISCOSE

Jacob de Booys, Breda, Netherlands, assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware

No Drawing. Application October 21, 1937, Serial No. 170,292. In the Netherlands October 23, 1936

7 Claims. (Cl. 260—217)

1. A preparatory treatment for the manufacture of viscose having a normal viscosity from unaged alkali cellulose which comprises forming alkali cellulose and immediately partially sulphurizing the same, suspending the sulphurizing step and introducing air into the alkaline sulphurizing zone and finally completing the sulphurizing action on the alkali cellulose to produce cellulose xanthate.

2,139,303

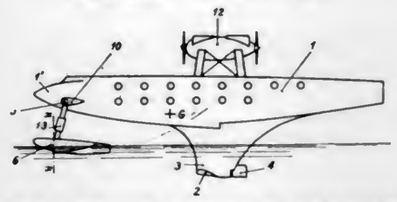
WATERCRAFT

Wsevolode Grunberg, dit Greg, Paris, France

Application May 10, 1935, Serial No. 20,879

In France May 12, 1934

2 Claims. (Cl. 114—66.5)



1. In a dynamically supported watercraft with body rising entirely clear of the water, means for maintaining the sustentation, said means consisting of integral elements and comprising, on the one hand, at least one stabilizer bearing upon the water, spaced from the craft and arranged

forward of the center of gravity, and, on the other hand, at least one dynamic sustainer located behind the center of gravity, said stabilizer being made sufficiently large so that the pressure of the water forces it in operation to rest upon the surface and prevents it from sinking entirely, while said sustainer is, on the other hand, entirely immersed in the sustaining fluid, said sustainer comprising a hydrovane.

2,139,304

COFFEE-CHOCOLATE SIRUP CONCENTRATE

Elizabeth C. Forbes, Baltimore, Md.

No Drawing. Application February 15, 1936, Serial No. 64,184

1 Claim. (Cl. 99—23)

Process for making a chocolate concentrate fortified against rancidity comprising melting the chocolate in a suitable liquid containing a high density of flavorful solid colloidal coffee particles, mixing the chocolate and the medium in which it is melted with sugar sirup made of sugar dissolved in a liquid containing a high density of the same flavorful colloidal particles, emulsifying the fat content of the chocolate by agitation of the mixture, drawing a vacuum on the mixture to remove both the ambient and absorbed air from the fat globules of the emulsion impressing carbon dioxide on the evacuated mixture for replacing the withdrawn air, canning and sealing the mixture while under some carbon dioxide pressure, and sterilizing the sealed mixture in the cans.

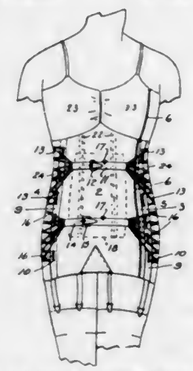
2,139,305

CORSET

Eusta Friend, Marysville, Wash.

Application May 3, 1937, Serial No. 140,406

1 Claim. (Cl. 2—39)



In a garment of the corset type, a girdle portion having front and rear sections provided with substantially vertical side edges with the side edges of the front section spaced forwardly from the side edges of the rear section, a stiff plate carried by the front section, and lacing means connecting the vertical edges of the sections at the upper and lower parts thereof, said lacing means comprising upper and lower groups of laces with the laces of each group connected to said vertical edges at spaced intervals and the ends of the laces of each group converging to form means for attaching belt ends, belt means connecting the lacing ends at each side and extending across said plate whereby tensioning of the belt means simultaneously effects drawing of the section edges toward each other and pressure on said plate.

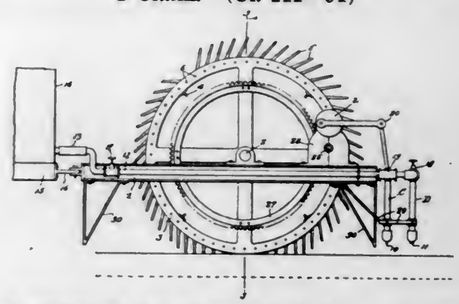
2,139,306

MEANS FOR TREATING SURFACES

Clifford Gaffney, Springfield, Ill.

Application June 30, 1937, Serial No. 151,254

1 Claim. (Cl. 111—91)



A device of the class described comprising a frame, a transverse shaft carried by the frame, a drum rotatably arranged on the shaft and including a plurality of rims having their outer circumferences engaging a surface over which the device travels, means for fastening the rims together in spaced relation, a plurality of pins having their inner ends located between each pair of rims, rods passing through the rims and through said inner ends of the pins for pivoting the pins to the rims, knob-like projections on the side edges of the rims and located between the inner ends of the pins for limiting swinging movement of said pins, a substantially rectangular frame having its upper part supported from an end of the frame, the rectangular frame being of tubular construction, nozzles depending from the bottom member of the rectangular frame, means for connecting said rectangular frame with a fluid supply, a valve for controlling the flow of fluid to the rectangular frame and means including a ring gear on one end of the drum for operating the valve when the nozzles are over the holes made by the pins.

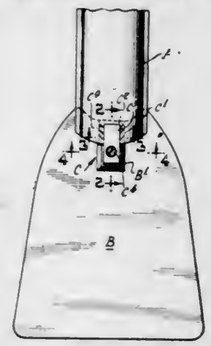
2,139,307

SPLASH GUARD AND CLAMP THEREFOR

Walter C. Jackson, Rahway, N. J., assignor to Tingley Reliance Rubber Corporation, a corporation of New Jersey

Application October 28, 1937, Serial No. 171,430

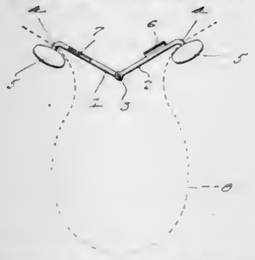
14 Claims. (Cl. 280—152.1)



5. A clamp for securing a splash guard or other device to a fender, said clamp including, in combination, a pair of members arranged frictionally to engage one on each side of said fender, and means acting to urge said members together to effect such frictional engagement, one of said members presenting a pair of ears located one

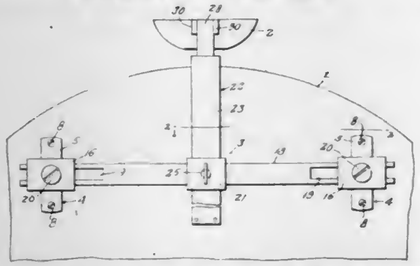
at each of the marginal edges thereof and presenting metal engaging surfaces for engagement with one face of the fender, and a bridge portion interconnecting said ears, and the other of said members reacting against an extension of the bridge portion at a point below the edge of the fender.

2,139,308
CUFF FASTENER
Jacob E. Kauffman, Daytona Beach, Fla., assignor of one-fourth to Philip E. Cobden and one-fourth to Frank E. Newlin, both of Daytona Beach, Fla.
Application March 17, 1938, Serial No. 196,551
1 Claim. (Cl. 24—102)



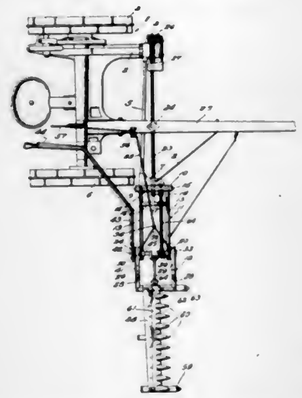
A cuff fastener of the class described comprising a pair of metallic shanks hingedly connected at one end, the free end portions of said shanks extending at substantially right angles, heads fixed on the free ends of the shanks, one of the shanks having longitudinal grooves therein at an intermediate point, and resilient jaws on the other shank at an intermediate point adapted to receive said one shank therebetween and engageable in the grooves for releasably securing the shanks against swinging movement relative to each other.

2,139,309
SUPPORT FOR RECEPTACLES
Walter Linden, Bronx, N. Y.
Application March 6, 1937, Serial No. 129,482
5 Claims. (Cl. 248—201)



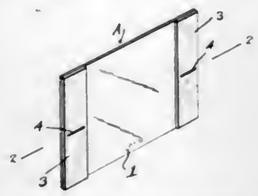
5. Apparatus for supporting a receptacle on the back of a chair comprising a pair of brackets mounted on the back of the chair upon each side of the vertical center thereof, each pair horizontally alined with the other, a clip extending rearwardly from each pair of brackets and slidable thereon toward and from said back, a crossbar mounted in said clips, a block slidable on said bar, an upstanding slide vertically adjustable in said block and having at its upper end a rearwardly and upwardly curved arm provided with a similarly curved slot, and pivot means coacting with said slotted curved arm and swingable and slidable relative thereto, said pivot means being adapted to be secured to a receptacle.

2,139,310
DITCH BANK MOWING MACHINE
Joseph Howard Marchek, Homedale, Idaho, assignor of one-half to Lewis Toucher, Homedale, Idaho
Application December 2, 1936, Serial No. 113,908
4 Claims. (Cl. 56—283)



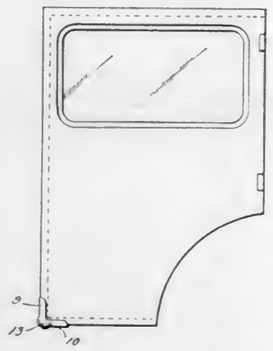
1. In combination with a mower including a wheeled frame, a pitman drive shaft rotatably carried by the wheeled frame and extending longitudinally thereof, a carrier extending transversely of the wheeled frame and projecting from a side of the mower, and a bearing head at the outer end of said carrier, a ditch-mowing mechanism comprising a frame extending transversely of the wheeled frame and having an inner section pivoted at its inner end to said bearing head for vertical swinging adjustment, an outer section, a crank shaft pivotally connecting the outer section to the outer end of the inner section for vertical swinging adjustment, a sickle bar extending from the outer frame section, a reciprocatory cutter carried by said sickle bar, a pitman between the crank shaft and said cutter, a sprocket wheel carried by the pitman drive shaft of said mower, a sprocket wheel carried by said crank shaft, and a sprocket chain for transmitting rotary motion from the sprocket wheel of the pitman drive shaft to the sprocket wheel of said crank shaft.

2,139,311
HEAT RETAINER FOR PERMANENT WAVING
Thora Moore, Ronan, Mont.
Application October 11, 1937, Serial No. 168,471
1 Claim. (Cl. 132—36.2)



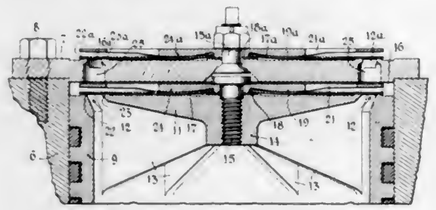
A heat retainer for permanent hair waving comprising a single imperforate sheet of Cellophane adapted to be wound around a strand of hair wrapped on a member and strips of absorbent material connected to one face of the sheet at the ends thereof, said strips leaving the major portion of said face of the sheet exposed.

2,139,312
AUTOMOBILE DOOR ACCESSORY
Orla R. Mullens, El Paso, Tex.
Application May 4, 1937, Serial No. 140,714
3 Claims. (Cl. 296—44)



1. For use with a vehicle door, a guard for the lower free corner of the door, comprising a pair of right angularly related integral arms one of which is adapted to extend vertically along the vertical edge, and the other of which is adapted to extend along the horizontal edge of the door at said lower corner, said arms being provided with means for frictionally engaging said door edges to secure the guard in position, and said guard at the junction of said arms having an integral hollow hemi-spherical formation receiving therein the corner of the door at the angle formed by said edges.

2,139,313
VALVE FOR COMPRESSORS
Emil T. Neubauer, York, Pa., assignor to York Ice Machinery Corporation, York, Pa., a corporation of Delaware
Application March 14, 1938, Serial No. 195,904
5 Claims. (Cl. 251—119)

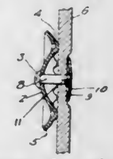


1. A valve for compressors comprising in combination, a head member having an annular spring seat and means defining a port encircling said spring seat and spaced therefrom; a flexible disc valve having a marginal portion adapted to close said port and a series of inwardly extending radial fingers individually supported by said spring seat; and a fixed retainer for the valve having an annular convex portion bearing on the radial fingers of the valve disc between the port and said spring seat and flexing the fingers toward the head member, said retainer being formed with an annular recess opposed to said spring seat to permit flexing of the inner ends of said valve fingers toward the retainer, without interference by the retainer.

2,139,314
PROCESS FOR MANUFACTURING GASKETS
Nicholas Ewing Oglesby, Troy, N. Y., assignor to Behr-Manning Corporation, Troy, N. Y., a corporation of Massachusetts
No Drawing. Application November 2, 1934, Serial No. 751,235
Renewed April 1, 1938
9 Claims. (Cl. 91—68)

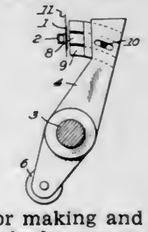
1. The process of making gaskets of predetermined size and shape from paperlike material including cellulosic fibres in amount which will cause the paper to change dimensions upon saturation, comprising determining the dimensional change characteristics of the paperlike material upon saturation with a binder solution which swells cellulose, forming a blank from said paperlike material having a dimensional area and shape such that after saturation with such a binder and bringing to equilibrium with average atmospheric conditions the gasket will assume a desired size and shape, saturating the said blank with such a binder and causing expansion of the cellulosic fibres and change in the dimensional area of the formed blank and whereby the body portion and edges of the blank are saturated, and bringing the saturated gasket to conditions of equilibrium with average atmospheric conditions.

2,139,315
SHOELACE FASTENER
Albert Partin, Jardine, Mont., assignor of one-fifth to Arthur R. Palmer and one-fifth to Laurence Strey, both of Jardine, Mont.
Application April 6, 1938, Serial No. 200,466
1 Claim. (Cl. 24—118)



A shoe lace fastener for shoes comprising a button-like disk of resilient metal having a central outwardly bowed portion provided with an axial bore, a circular series of equi-distantly spaced nubs on the rear face of the disk surrounding the bowed portion and punched out of the disk, and an outwardly turned rim surrounding said series of nubs, and means for securing the disk to the shoe top comprising a stud extending through said bore.

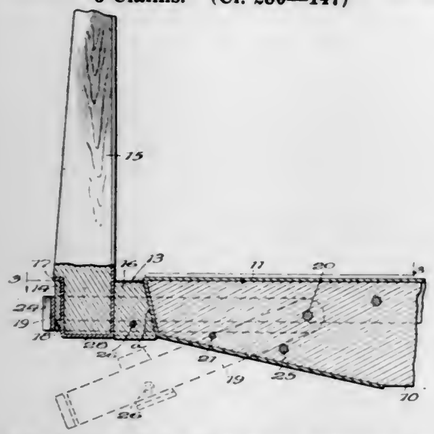
2,139,316
STAPLING APPARATUS
Adolf Rambold, Dresden, Germany
Original application May 2, 1936, Serial No. 77,580, now Patent No. 2,083,124. Divided and this application December 24, 1936, Serial No. 117,598. In Germany May 13, 1935
19 Claims. (Cl. 1—2)



1. Apparatus for making and inserting staples, comprising a staple former and a staple driver

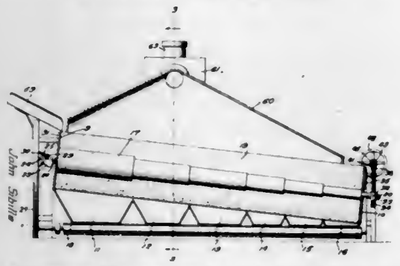
mounted on oscillatable arms, said former and driver and their guides being arcuate accordingly, characterized in that the staple former consists of a single piece and forms a joint cutting edge with the staple driver.

2,139,317
LOCKING MEANS FOR GUARD STANDARDS OF VEHICLE BODIES
Charles Clarence Rawlings, Waverley, Va.
Application June 4, 1937, Serial No. 146,498
6 Claims. (Cl. 280—147)



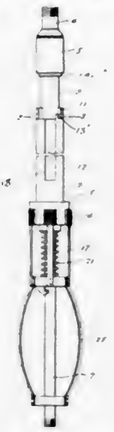
1. A device of the character described, comprising a removable load retaining guard standard, a supporting member for the standard and having a socket therein for receiving the standard, a locking wedge member pivotally mounted on a substantially U-shaped carrier mounted to move into and out of socket embracing position, said locking wedge member being positioned on the carrier so as to be moved into and out of the socket, according to the position of the carrier, for binding said standard in or releasing it for removal from said socket, and removable means for positively maintaining said carrier in socket embracing position.

2,139,318
VEGETABLE BRUSHER AND GRADER
John Sibille, Sunsett, La., assignor to Cotton Products Co., Inc., Opelousas, La., a corporation of Louisiana
Application May 29, 1937, Serial No. 145,640
4 Claims. (Cl. 146—193)



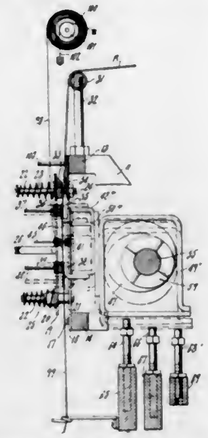
1. A vegetable grading and brushing apparatus, comprising: a supporting frame; a grading roller journaled in said frame and having stepped cylindrical surfaces, decreasing in diameter successively from one end to the other, a cylindrical brush journaled in said frame to rotate about an axis parallel to the axis of said roller and with its brush surface substantially in contact with the widest part of said roller and means for rotating said brush and roller in the same direction, and suction means disposed over said roller and brush for withdrawing matter removed from the surfaces of the vegetables during the brushing and grading operation.

2,139,319
TUBING BLEEDER AND JAR
William H. Stigall, Taft, Calif.
Application February 26, 1937, Serial No. 128,002
2 Claims. (Cl. 103—221)



1. A tubing bleeder for insertion into a well casing to bleed well tubing therein comprising an elongated inner barrel having a lower end adapted for the attachment of a lower tubing section thereto and an upper enlarged head having an underbeveled edge providing a shoulder thereon, a sleeve surrounding said barrel in spaced relation thereto intermediate the ends thereof and having a pair of diametrically opposed bleeding slots therein extending inwardly from the upper end thereof for the escape of fluid from the space between said inner barrel and sleeve, a short outer barrel surrounding said inner barrel in spaced relation thereto and having an upper internally beveled end adapted to seat against said shoulder to form a seal preventing such escape of fluid through said slots, said outer barrel being endwise movable into and out of said sleeve to unseat and seat said upper end thereof and rotatable in its seated position relative to said sleeve, said outer barrel having a pair of diametrically opposed lateral bosses on its lower end adapted under rotation of said outer barrel to be registered with said slots for sliding into the same under inward movement of the outer barrel to lock said barrel and sleeve against relative rotation in the inwardly moved positions of said outer barrel, said bosses in the seated position of said outer barrel being movable under rotation of said outer barrel onto the upper end of said sleeve to lock the outer barrel in seated position, and said bosses being engageable with said lugs to limit such rotation of the outer barrel, means for attaching a tubing section to the upper end of said outer barrel in communication with said inner barrel and the space between said barrels, and means on the lower end of the inner barrel to lock the same to the well casing against turning.

2,139,320
METHOD AND APPARATUS FOR TREATING TEXTILE FIBERS AND FOR MAKING ELASTIC YARN
Boutwell H. Foster, Maplewood, N. J., assignor to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware
Application March 4, 1938, Serial No. 193,842
30 Claims. (Cl. 117—35)



10. The method of making elastic yarn comprising gripping a strand of loosely aggregated fibers at spaced points and while firmly holding the strand at these points increasing the distance between said points to thereby draft the fibers, delivering an elastic thread to the portion of the strand being drafted, and twisting the thread and drafted fibers to wrap the fibers about the elastic thread as a cover.

2,139,321
PREPARATION OF PHENOL SULFIDES
Louis A. Mikeska, Westfield, and Eugene Lieber, Linden, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 21, 1936, Serial No. 97,196
19 Claims. (Cl. 260—608)

1. Improved process for preparing hydroxy aromatic sulfides comprising bringing a phenol free from carboxyl groups and a halide of a nonmetallic element of Group VI into reaction at a temperature between 60 and 140° C. in an inert solvent boiling at the reaction temperature under reflux while removing the hydrogen halide formed.

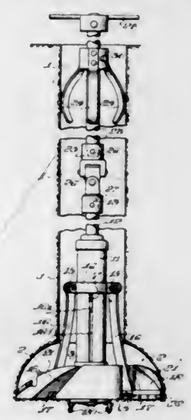
2,139,322
SUPPORTING STRUCTURE FOR PORCELAIN ENAMELED PANS
John H. Miner, St. Louis County, Mo., assignor, by mesne assignments, to Roesch Porcelain Construction, Inc., Belleville, Ill., a corporation of Illinois
Application May 29, 1937, Serial No. 145,638
3 Claims. (Cl. 189—85)

1. In a device of the character described, a series of sheet metal pans adapted to be ornamentally decorated on one surface thereof, inturned side edges on said pans, clips adapted to be secured to the top and bottom inturned side edges of said pans, one set of clips having a hook-shaped portion adapted to support the bottom of each pan and the other set of clips being adapted to receive a supporting member for the top of each pan, and a series of tracks longitudinally alined with each other and cooperating with said clips to provide a support for said pans, said first named set of clips entering



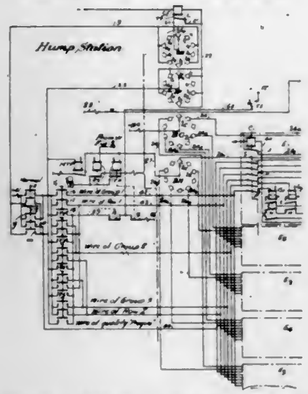
at the bent portion thereof an opening in said track, and the supporting member in the second named set of clips entering another opening in said track, said first and second named series of clips supporting the tops and bottoms of said pans, respectively.

2,139,323
SELF-EXPANDING AND CLEANING EARTH REAMER
Emil H. Zum-Berge, Dallas, Tex., assignor of one-seventh to George Klein, Dallas, Tex.
Application April 26, 1937, Serial No. 138,930
4 Claims. (Cl. 255—67)



1. An underreamer including a threaded shaft having prongs at its lower end to engage the earth at the bottom of a bore hole, a base portion defining a plurality of buckets, an underreaming cutter hingedly attached to each of said buckets, a spider threadably mounted on said shaft, toggle means interconnecting said spider and each of said cutters whereby said cutters are arcuately actuated as said base and cutters are rotated about said shaft.

2,139,324
AUTOMATIC SELECTION STATION
Paul Abeloos, Juvisy, France, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application November 25, 1933, Serial No. 699,798. Renewed September 16, 1936. In France December 17, 1932
35 Claims. (Cl. 104—26)

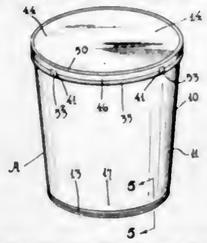


1. A control system including, a passageway adaptable of different arrangements for passing an object from a head point to any one of a plurality of different destinations, recording apparatus at the head point including a circuit controller for each of said destinations, an automatically advancing selector having a given number of operative positions, a group of relays for each of said positions each group adaptable of being energized in a particular arrangement for each destination, means governed by each circuit controller when actuated effective to advance the selector one position and to energize the relay group corresponding to this new position in the arrangement corresponding to the same destination as the actuated controller, means for retaining the selected relays of a group energized to store the destination orders for as many different objects as positions of said selector, operating means controlled by the relay group effective to arrange the passageway for the destinations corresponding to the selected arrangement, and means governed by an object in passing to its destination effective to release the control of the next succeeding group of relays for arranging the passageway for the next succeeding object.

2,139,325
MANUFACTURE OF 4-AMINO-AZO-BENZENE-4'-SULPHONIC ACID
Charles B. Biswell and Walter V. Wirth, Woodstown, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 2, 1937, Serial No. 123,602
6 Claims. (Cl. 260—205)

1. In a process for manufacturing 4-amino-azo-benzene-4'-sulphonic acid, the steps which comprise heating a solution of non-oxidizing acid to about 90° C. to about 100° C. adding the sodium salt of omega-sulphonic acid of 4-methyl-amino-azo benzene-4'-sulphonic acid to the solution, said nonoxidizing acid being capable of converting the alkali metal sulphonic acid group to the sulphonic acid group and of causing hydrolytic decomposition of the alkyl-alkali-metal sulphonic acid group, and maintaining the temperature of the reaction mixture approximately within said temperature range until 4-amino-azo-benzene-4'-sulphonic acid is formed.

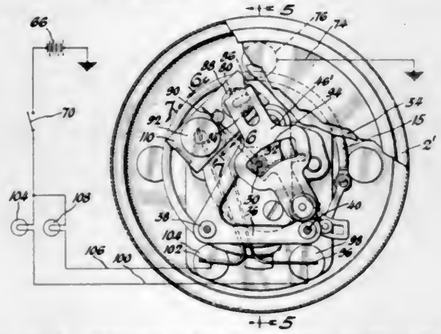
2,139,326
CONTAINER
William A. Brandt, St. Paul, Minn., assignor to David C. Shepard, St. Paul, Minn.
Application June 3, 1935, Serial No. 24,610
14 Claims. (Cl. 229—5.7)



1. In combination with a container open at its upper end, a cover for the container having a depending flange overlying the upper marginal portion of the container, a hoop encircling said marginal portion of the container, and annular means on said hoop extending outwardly beyond the outermost part of said cover and flange throughout the major portion of the circumferential extent of said hoop and of substantially the same diameter throughout its extent and forming a guard for protecting the cover and flange and a rail on which the container may roll.

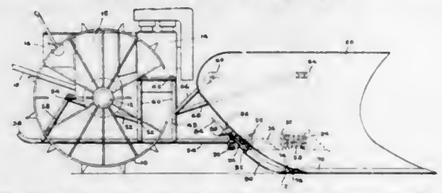
5. In combination with a container open at one end, a cover for the open end of the container, said cover having a flange overlying the marginal portion of the body, a hoop U-shaped in cross-section having inner and outer walls and a channel connecting said walls, said hoop embracing said flange, a reinforcing ring in said channel at the free edge of said closure flange, said hoop having a notch extending through the channel thereof and exposing a portion of said reinforcing ring, a fastener member pivoted to said ring at the exposed portion thereof, and means on said container for cooperation therewith.

2,139,327
COMBINED PRESSURE GAUGE AND TELL-TALE SIGNAL
Ragnar Clason, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 1, 1936, Serial No. 88,283
3 Claims. (Cl. 200—56)



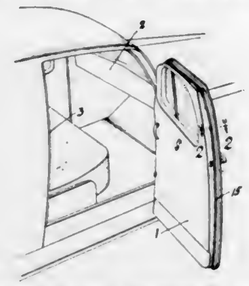
1. In a pressure operated circuit closer gauge, said gauge having a dial and a pointer movable thereover, a pressure operated means, mechanism between the pressure operated means and the pointer to cause the pointer to move in response to movements of the pressure operated means to give a direct reading, a frame to mount the mechanism, a plate mounted on the frame, said mechanism comprising a shaft to mount the pointer and a second shaft, both said shafts extending through the plates, an arm rigidly mounted on one end of the second-named shaft connected to said pressure operated means, and a second arm mounted on the other end of said second-named shaft adapted to swing between the dial and the plate, a contact on the last mentioned arm, and a plurality of electrical terminals across which the contact is movable to make one at a time a plurality of electrical circuits.

2,139,328
SNOW PLOW ATTACHMENT
John Collins, Mound, and Silas M. Wright, Wayzata, Minn.
Application January 28, 1938, Serial No. 187,426
4 Claims. (Cl. 37—42)



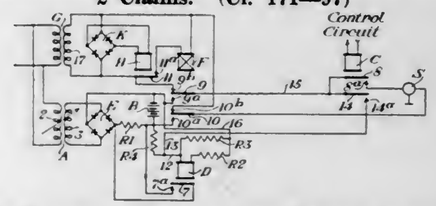
1. In a device of the character described, the combination of a blade, means for attaching said blade to the front of a tractor to operate in front thereof, pairs of spaced runners secured to the lower portion of said blade, pivot pins secured across the spaces of said pairs of runners respectively, auxiliary runners pivoted at their lower ends upon said pins, rods pivoted to upper ends of said auxiliary runners, and clamping members attached to the rear face of said blade for clamping said rods in adjusted position whereby said auxiliary runners may be raised and lowered.

2,139,329
WEATHER STRIP
Charles T. Fessler, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 15, 1936, Serial No. 74,487
13 Claims. (Cl. 296—44.5)



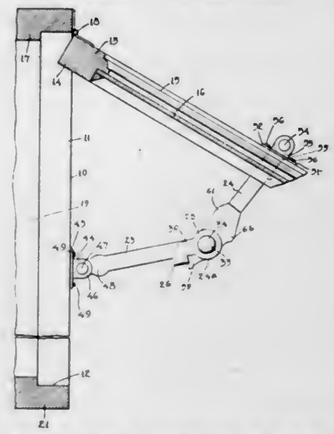
1. In a weatherstrip assembly comprising in combination a support having one or more openings therein, a weatherstrip including a base portion adapted to extend along the said support and a sealing portion secured to the base portion between its longitudinal edges to form shoulders and one or more spring clips having a head portion arranged to be passed through and yieldably interengage the openings in the said support, the said clips being provided with opposed socket portions for receiving the base of the said weatherstrip, the said socket portions interengaging the shoulder of the said base of the weatherstrip on opposite sides of the sealing portion of the weatherstrip.

2,139,330
BATTERY CHARGING APPARATUS
Robert M. Gilson, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application December 17, 1935, Serial No. 54,875
2 Claims. (Cl. 171—97)



2. In combination, a storage battery, a source of alternating current, a circuit for charging said battery from said source, a load, a circuit controller for connecting said load with said source, a transfer relay for maintaining the load connected with said source provided the voltage of said source is above a predetermined value and effective for transferring the load to said storage battery when the voltage of said source is at or below such value, and means governed jointly by said transfer means and said circuit controller for increasing the charge received by said battery when the load has been transferred to said battery.

2,139,331
SASH FASTENER
Chester O. Goserud, St. Paul, Minn.
Application May 3, 1937, Serial No. 140,364
12 Claims. (Cl. 292—263)



1. A sash fastener comprising an arm, an ear formed on said arm, a second arm, an ear on said second arm and overlying the ear formed on said first arm, a friction washer between said ears, a strap issuing from said first arm and having an ear adapted to overlie the ear of the second arm, a friction washer between the ear on said strap and the ear on the second arm, a bolt extending

through all of said ears and washers and held from rotation relative to the first arm, and a lug on the second arm adapted to engage said strap for limiting the closing movement of said arms to a position in which said arms are in substantial alignment.

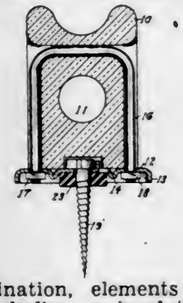
4. A sash fastener comprising a pair of jointed arms, an abutment on one of said arms, two abutments on the other of said arms, one or the other of said last abutments being adapted to be brought into engagement with said first abutment, one of said last abutments limiting closing of said arms to a position in which the arms are in substantial alignment and the other of said last abutments limiting closing of said arms to a position where the arms are out of alignment.

2,139,332

WIRE HOLDER

Ralph R. Pittman and Carroll H. Walsh, Pine Bluff, Ark.

Application March 4, 1937, Serial No. 129,054
5 Claims. (Cl. 173—321)



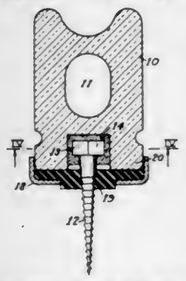
4. In combination, elements constituting a wire holder including an insulator, a base associated with said insulator and a wood screw joined to said base, said wood screw being adapted to be driven into a supporting structure in response to rotation of said insulator until said base engages the surface of the supporting structure, said insulator being free to turn about said screw whereby the position of the insulator may be changed without disengaging said base from the surface of the supporting structure.

2,139,333

SEALED SCREW WIRE HOLDER

Ralph R. Pittman and Carroll H. Walsh, Pine Bluff, Ark.

Application May 27, 1937, Serial No. 145,069
5 Claims. (Cl. 173—321)



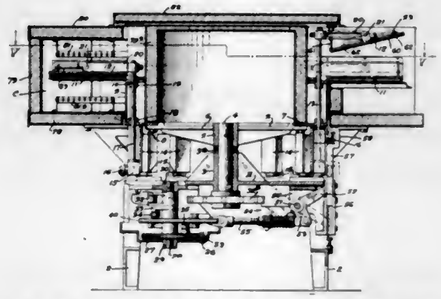
1. In combination, a wire holder including an insulator having a base portion and a screw secured thereto and extending outwardly therefrom, a metal cup having a central aperture, said cup being fitted over said base portion, and a member of yieldable material interposed between said cup and the base of said insulator, said member substantially filling said cup and having a central portion extending outwardly through said central aperture and surrounding said screw.

2,139,334

TOASTING MACHINE

Leon V. Rebois, San Francisco, Calif., assignor to Brooks, Ltd., San Francisco, Calif., a Nevada common-law trust

Application February 5, 1936, Serial No. 62,492
Renewed October 7, 1936
19 Claims. (Cl. 53—5)



1. In a machine of the character described, a table having a plurality of receiving plates to receive sliced bread to be toasted, a compressor plate cooperating with each receiving plate, means for transmitting step by step rotary movement to the table with a rest period between each step, and means for raising and lowering each compressor plate with relation to its cooperating receiving plate once during each complete revolution of the table, said raising or lowering movement taking place during a rest period.

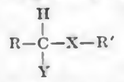
2,139,335

LUBRICATING OIL

Bernard H. Shoemaker, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application November 16, 1936, Serial No. 111,085
16 Claims. (Cl. 87—9)

1. An improved lubricant comprising a mineral lubricating oil and from about 0.05% to about 15% of an ether having the general formula



in which R and R′ are alkyl radicals, Y is a radical selected from the group consisting of a thiocyano radical and an isothiocyano radical and X is an element selected from the group consisting of oxygen and sulfur.

2,139,336

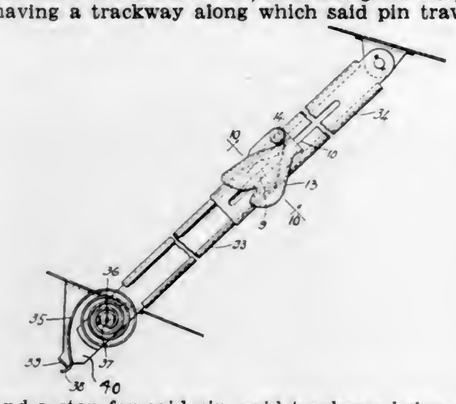
LID SUPPORT

Emory Glenn Simpson, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application February 15, 1937, Serial No. 125,722
10 Claims. (Cl. 217—60)

1. A lid support comprising a pair of telescoped members arranged to slide one within the other during the raising and lowering of the lid, a keeper swingably mounted on one of said members, said member also having an elongated slot,

a pin fixed to the other member and arranged to travel in said slot during the sliding of the one member within the other, said swingable keeper having a trackway along which said pin travels



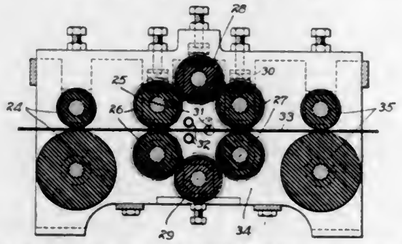
and a stop for said pin, said trackway being arranged whereby the pin swings said keeper as it travels along said trackway to engage said pin and stop and thereby latch said support in lid supporting position.

2,139,337

LIQUID TREATMENT OF METAL SHEETS

Lawrence C. Steele, Union, W. Va.

Application June 12, 1937, Serial No. 147,825
4 Claims. (Cl. 266—6)



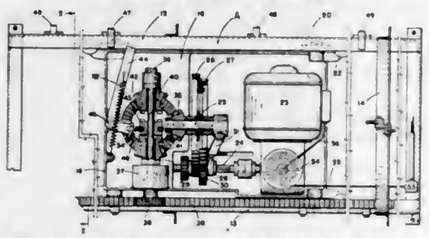
1. Apparatus for treating sheets of metal and the like comprising a tank for containing liquid, means for advancing sheets through the liquid, a group of rollers disposed partially above and partially below the plane of travel of the sheets and arranged to form a partially enclosed area through which the sheet passes, and devices within said area for directing jets of fluid against the faces of the sheets.

2,139,338

CURD AGITATOR

Carl R. Stoelting, Kiel, Wis., assignor to Stoelting Brothers Company, Kiel, Wis.

Application April 30, 1936, Serial No. 77,219
2 Claims. (Cl. 74—37)



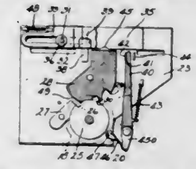
1. In a curd agitator and forker, a supporting track, a carriage slidably mounted upon the track, a drive motor on the carriage, a rack bar arranged longitudinally of the track, an operating shaft, a pinion on said shaft meshing with the teeth of the rack bar, a beveled gear rotatably mounted on the carriage, a depending work shaft carried by the gear, means for driving the gear and work shaft continuously in one direction from the motor, beveled pinions rotatably mounted on the operating shaft and meshing with the opposite sides of the gear, said pinions having adjacent clutch faces, a double-faced clutch section feathered upon the operating shaft between the pinions, an operating lever for the clutch section, and trips carried by the track and arranged in the path of the lever for shifting the lever in one direction or the other, during the travel of the carriage, for shifting the clutch section in engagement with the clutch face of one pinion or the other, said trips being hingedly carried by the track and movable into and out of the path of the lever.

2,139,339

DISPENSER FOR PAPER ARTICLES

Frank P. Vaughan, Albert G. Krueger, and Norman J. Slye, Green Bay, Wis., assignors to Bay West Paper Company, Green Bay, Wis., a corporation of Wisconsin

Application April 25, 1936, Serial No. 76,442
19 Claims. (Cl. 164—42)



18. In a dispensing device, the combination with a web feeding means provided with a first handle for its actuation, of mechanism connected with said means to be operated thereby for limiting the movement of said means in a web feeding direction, a member for resetting said mechanism to permit of the renewed advance of said web feeding means, a second handle normally free of said member and provided with motion transmitting connections engageable with said member in a direction for the performance of the resetting function of said member, a detent engageable with said member to restrain it from functioning in response to the actuation of said second handle, a cut-off knife in the path of a web advanced by said feeding means, means yieldably supporting the cut-off knife, and motion transmitting connections from said knife to said detent for the release of said detent on the operation of said knife, the yielding of the knife being a prerequisite to the release of the detent and the release of the detent being a prerequisite to the use of the second handle for the resetting of said limiting means, and the resetting of said limiting means being a prerequisite to the use of the first handle to advance said web feeding means.

2,139,340

TOBACCO INSECTICIDE AND METHOD OF MAKING SAME

William Hunter Volck, Watsonville, Calif., assignor to California Spray-Chemical Corporation, Berkeley, Calif., a corporation of Delaware

No Drawing. Application June 24, 1935, Serial No. 28,144
7 Claims. (Cl. 167—34)

1. A horticultural insecticide comprising a fine-

ly ground tobacco powder, a petroleum sulfonic salt and a small amount of free acid.

5. The method of preparing a horticultural insecticide which consists in treating finely ground tobacco powder with petroleum sulfonic salts in atomized form while the tobacco powder is in motion.

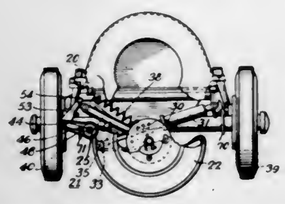
2,139,341

MOTOR VEHICLE

Brooks Walker, Piedmont, Calif.

Original application March 21, 1932, Serial No. 600,126. Divided and this application February 1, 1935, Serial No. 4,498

5 Claims. (Cl. 180—1)



2. In combination with an automotive vehicle, regular vehicle supporting wheels, a spare wheel for said vehicle, mechanism connecting said wheel with the chassis of the vehicle and capable of operation for moving the same between an upper ineffective position and a lower position in which it is effective to lift the vehicle and move it transversely, a receptacle connected with said vehicle to partially enclose said spare wheel when the same is in its upper or ineffective position, the said receptacle having an opening in the lower portion thereof through which said wheel may move when it is lowered to its effective position, the axis of said auxiliary wheel being at substantially right angles to the axis of the regular vehicle wheels.

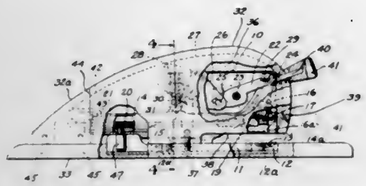
2,139,342

STAPLE DRIVING MACHINE

Lester L. Wheeler, Norwalk, Conn., assignor to The E. H. Hotchkiss Company, Norwalk, Conn., a corporation of Connecticut

Application July 31, 1937, Serial No. 156,710

7 Claims. (Cl. 1—3)



1. A staple driving machine comprising a base, a staple driving and setting mechanism comprising as a unit a support, an anvil and a movable plunger cooperating with the anvil to set the staple and mounted in the support, means for mounting said support and mechanism on the base as an assembled unit, a housing enclosing said support and mechanism and mounted on the base, means for operating said mechanism extending to the outside of the housing, and a finger piece on said means for operating the same.

2,139,343

METHOD OF SURFACE TREATING FIBROUS ROPE OR CORDAGE

Robert C. Williams and Hugh M. Bone, Columbus, Ohio, assignors to The Ironsides Company, Columbus, Ohio, a corporation of Ohio

No Drawing. Application August 7, 1936, Serial No. 94,831

1 Claim. (Cl. 91—68)

The method of treating hemp rope with a wax coating having the normal lubricating properties of wax which comprises applying an aqueous ammonium fatty acid soap emulsion of said wax to the rope, and then volatilizing the aqueous ammonia content therefrom to leave a wax coating containing an amount of fatty acid insufficient to plasticize and thereby change the original lubricating characteristics of the wax, said emulsion containing fatty acid of the order of 14% and ammonia water of the order of 3½% and such an amount of wax that the residual fatty acid does not plasticize to affect the lubricating qualities of the wax.

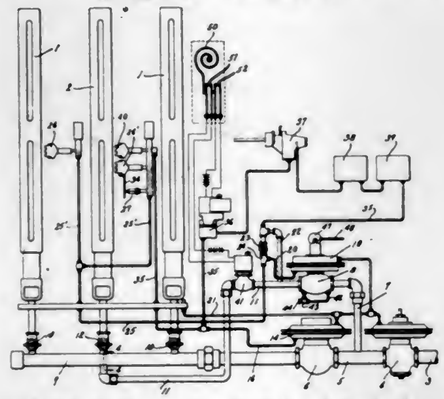
2,139,344

GAS CONTROL SYSTEM

Christian S. Andersen, Warren, Pa., assignor to Pennsylvania Furnace & Iron Co., Warren, Pa., a corporation of Pennsylvania

Application November 29, 1935, Serial No. 52,009

2 Claims. (Cl. 236—1)



1. Apparatus of the character described, comprising a primary gas burner, a secondary gas burner, master control valve mechanism which supplies the secondary burner and controls the supply to the primary burner, and two thermostatically operated controlling devices sensitive to the temperature in a space to be heated and located in said space adjacent to each other but remote from both burners, one thereof being effective at one temperature and arranged to control the primary burner, and the other thereof being effective at another temperature and arranged to control the secondary burner.

2,139,345

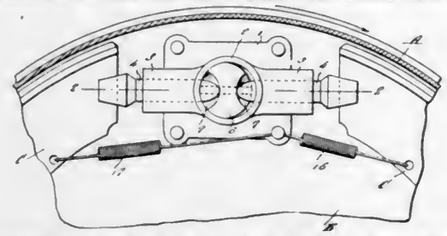
ENERGIZING FLOATING WEDGE FOR VEHICLE BRAKES

Albert T. Babineau, Los Angeles, Calif.

Application February 10, 1938, Serial No. 189,879

8 Claims. (Cl. 188—79.5)

1. In brake adjusting means, a housing having a cylindrical chamber therein and openings in portions of its side walls, a wedge head movably arranged in the chamber, said head being of general elliptical shape in cross section and having opposite arcuate sides of like radius, one eccentric to the other and the rear side being concentric to the chamber and the other side eccentric to the chamber and said sides having



sloping recesses therein and brake shoe studs passing through the openings in the chamber wall and having the inner ends engaging the recesses.

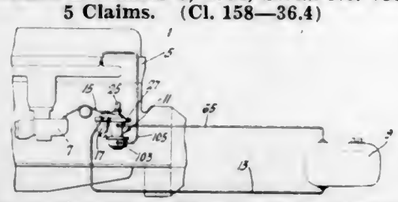
2,139,346

COMBINED FUEL AND AIR PUMP

Abraham M. Babitch and Gordon W. Harry, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application December 6, 1934, Serial No. 756,256

5 Claims. (Cl. 158—36.4)



2. In combination with an engine, a variable stroke fuel pump and a source of fuel, a conduit between said source and pump, means to impress upon the fuel in said source and conduit superatmospheric pressure to raise the boiling point of the fuel, said means comprising an air pump, said fuel pump and air pump having a common movable pumping member and closure walls on either side of said member whereby the movable member and one closure wall forms a variable volume fuel pump and whereby the movable member and the other wall forms a variable volume air pump.

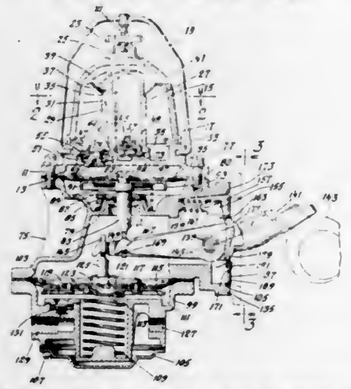
2,139,347

FUEL PUMP

Abraham M. Babitch and Gordon W. Harry, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application April 8, 1936, Serial No. 73,276

4 Claims. (Cl. 103—150)



1. A fuel pump having a casing member con-

structed to form a pump chamber wall with inlet and outlet passages, inlet and outlet valve assemblies controlling said passages, said valve assemblies being of identical construction but assembled in inverted relation, and a single clamp having a plurality of bifurcated arms embracing and engaging said valve assemblies.

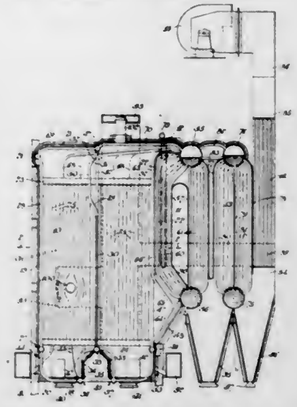
2,139,348

STEAM GENERATOR

John Phillips Badenhausen, Philadelphia, Pa., assignor of one-half to Day and Zimmermann, Incorporated, Philadelphia, Pa., a corporation of Maryland

Application March 22, 1938, Serial No. 197,497

12 Claims. (Cl. 122—336)



1. In a steam generating unit, a combustion chamber, the walls of said combustion chamber being lined with water tubes exposed to the radiant heat of the burning fuel in said chamber, said combustion chamber having a vertical wall extending upwardly at the central part thereof and dividing said combustion chamber into an upward pass and a downward pass, fuel inlet devices for supplying fuel into said upward pass, and additional fuel inlet devices for supplying fuel into said downward pass.

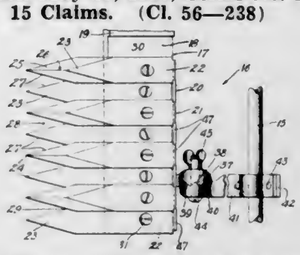
2,139,349

STRAY GRASS CUTTER

Frederick W. Barker and Lester C. Barker, Pound Ridge, N. Y., assignors of one-third to Howard A. Ward, New Canaan, Conn.

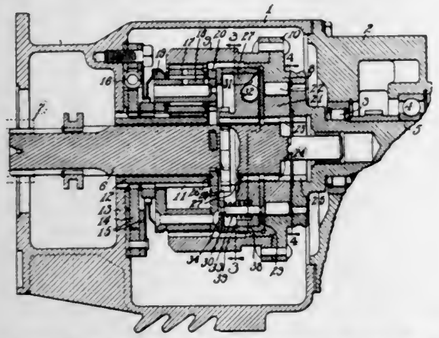
Application May 29, 1937, Serial No. 145,456

15 Claims. (Cl. 56—238)



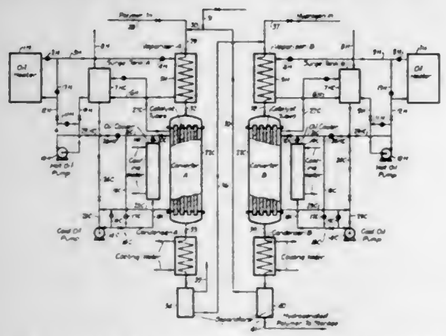
1. An auxiliary cutting device adapted to be associated with a lawn mower having a rotary cutter, including a stray grass cutter having relatively offset upper and lower cutting elements normally fixed and stationary relative to each other, providing a series of V-shaped cutting wedges; and means for supporting said stray grass cutter on said lawn mower and in advance of said rotary cutter.

2,139,350
OVERDRIVE GEARING
William B. Barnes, Indianapolis, Ind.
Application March 28, 1934, Serial No. 717,731
7 Claims. (Cl. 74—260)



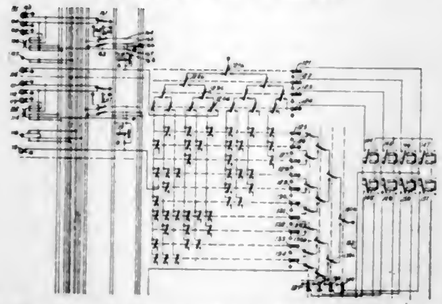
1. In a transmission, the combination with a driving shaft and a driven shaft, of a transmission gearing for driving said driven shaft from said driving shaft at a greater speed than the driving shaft, a clutch for drivingly connecting said members through said gearing engageable only when the two members of the clutch are operating in substantial synchronism and centrifugally operated means responsive to the speed of the driving shaft for moving one of the members of said clutch axially into engaging position.

2,139,351
TEMPERATURE CONTROL PROCESS AND APPARATUS
Julio G. Bejarano, Pittsburg, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application September 18, 1937, Serial No. 164,549
8 Claims. (Cl. 260—690)



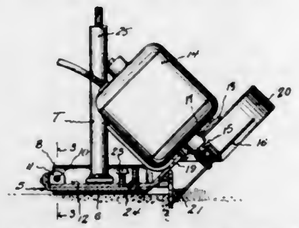
1. A process for controlling the treatment temperatures in multi-stage treatment systems wherein at least one stage operates endothermically while another stage of the same system operates exothermically, which comprises continuously circulating a fluid heat transfer medium in a closed circuit in which it is brought into indirect heat exchange relationship with and supplies heat to material undergoing endothermic treatment, continuously circulating a fluid heat transfer medium in another independent closed circuit, which may be put into communication with the first mentioned circuit so that a regulated amount of the fluid from one circuit can be admitted to the other, in which it is brought into indirect heat exchange relationship with and removes heat liberated in an exothermic stage, and utilizing at least a part of the heat imparted to the heat transfer medium in the circuit including the exothermic stage to supply at least a part of the heat required to be imparted to the material undergoing treatment in the endothermic stage by admitting a regulated amount of the circulating heat transfer medium from the former circuit into the latter circuit as required to maintain the desired thermal balance between the two circuits whereby the temperatures in the several treatment stages are maintained within the desired temperature ranges with a minimum of heating of the heat transfer medium in the circuit including the endothermic stage and a minimum of cooling of the heat transfer medium in the circuit including the exothermic stage.

2,139,352
SUPERVISORY CONTROL SYSTEM
Hans P. Boswau, Galion, Ohio, assignor to The North Electric Mfg. Company, a corporation of Ohio
Application May 27, 1932, Serial No. 613,863
Renewed October 30, 1937
12 Claims. (Cl. 177—353)



2. In a supervisory control system, a first station, a second station, a plurality of apparatus units at said second station, operating means individual to each of said apparatus units at said first station, code transmitting means at said first station variably operated in accordance with the operating means actuated, code-receiving means at said first station, code-receiving means at said second station, code-transmitting means at said second station, a plurality of signalling lines connecting said stations and disposed to have applied thereto direct current polarities in permutation by said code transmitting means, said signalling lines being normally conditioned for connection to said code-receiving means at each of said stations, means for providing a holding circuit over one of said signalling lines, means at said first station responsive to the operation of one of said operating means for opening said holding circuit and for switching said signalling lines so as to be associated with said code transmitter at said first station, means responsive to the opening of said holding circuit for completing the circuit from said code transmitter to said signalling lines whereby code combinations of impulses are transmitted over said signalling lines to the code receiving means at said second station, means at said second station responsive to the opening of said holding circuit for completing said circuits from said signalling lines to said code receiving means thereat, whereby said code-receiving means are operated in accordance with the code combination of impulses received over said lines, means controlled by said code-receiving means for selecting one of said apparatus units for operation, means at said second station responsive to said selection for variably operating said code-transmitting means thereat for generating code combinations of impulses to be transmitted, means responsive to the selection of the apparatus unit for switching said signalling lines from said code receiver at said second station to said code transmitter thereat, whereby check code combinations of impulses are transmitted over said signalling lines to said first station, means at said first station operated an interval after said control code has been transmitted for disconnecting said code transmitter thereat from said signalling lines and for connecting said code receiver thereat to said signalling lines, whereby said code receiver is operated in accordance with the check code transmitted from said second station, and means responsive to said code receiving means at said first station for operating an indicating device for indicating said remote selection.

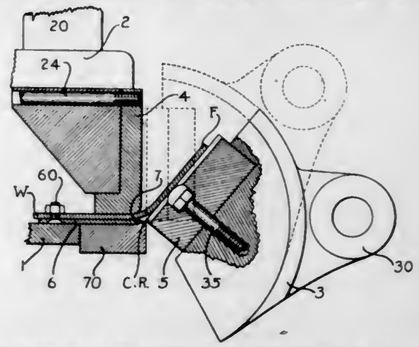
2,139,353
ELECTRIC LAWN EDGE TRIMMER
Peter P. Bruder, Wauwatosa, Wis.
Application September 24, 1937, Serial No. 165,523
1 Claim. (Cl. 30—276)



A lawn edge trimmer comprising, a carriage having a base plate, transversely extending rollers rotatably carried by the base plate at the opposite ends thereof, an adjustable plate hingedly secured at its outer edge to the outer edge of the base plate between said rollers, said adjusting plate normally resting on the upper surface of the base plate, means for holding the adjusting plate in different angular positions relative to the base plate, an angular extension formed on the adjusting plate extending beyond the base plate, a motor adjustably mounted on the extension movable toward and away from the base plate, a cutting knife operatively connected to the motor, a depending guide plate secured to the extension for engaging the edge of a sidewalk adjacent the lawn to be trimmed, and a manipulating handle secured to adjusting plate.

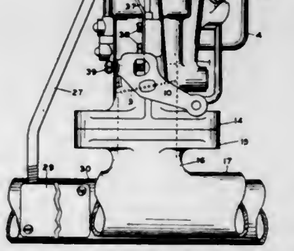
2,139,354
SHEET METAL BENDING MACHINE
William L. Castle and William O. Hedberg, Seattle, Wash., assignors to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Application April 24, 1937, Serial No. 138,785
7 Claims. (Cl. 153—16)

1. A machine for forming a flange on sheet metal pieces of different edge contours comprising a fixed die and a movable die oscillatory about a center of rotation, a table with which the fixed die cooperates to hold down such a sheet of metal supported upon the table, with its flange-forming portion extending beyond the center of rotation into the path of the movable die, the table being depressed a given distance below the center of rotation, a template secured to and beneath such sheet of metal, of a thickness substantially equal to such depression of the table, and a template guide upstanding from the table sufficiently to engage the edge of the



template, adjacent the center of rotation, as such template and the work are moved transversely of the plane of rotation of the movable die.

2,139,355
CARBURETOR DEVICE
Irven E. Coffey, St. Louis, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application March 17, 1936, Serial No. 69,288
11 Claims. (Cl. 123—119)

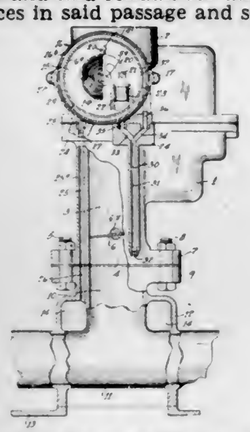


1. In an internal combustion engine, a carburetor, a pivoted choke valve therein, a member having a pivotal support eccentric of said valve and being operatively associated therewith, a heat influenced device for applying pressure to said member to control said valve, and means adjacent said device for heating said device responsive to operation of the engine, said member including structure for substantially depriving said device of the effect of said heating means when said choke valve is open.

2,139,356
CARBURETOR STRUCTURE
Irven E. Coffey, St. Louis, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application July 7, 1936, Serial No. 89,311
12 Claims. (Cl. 123—119)

1. In an internal combustion engine, an exhaust passage, an intake conduit, a choke valve in said conduit, a thermo-responsive control element for said valve, a chamber adjacent said element, and separated therefrom, and connections between said chamber and said passage and

said chamber and said conduit for utilizing pressure differences in said passage and said conduit



to draw heated exhaust gases into the vicinity of said element.

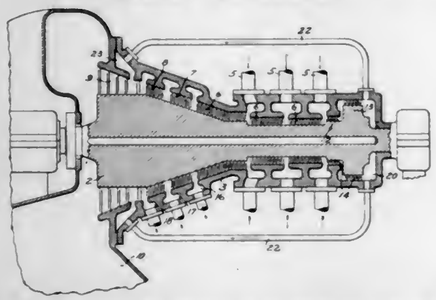
2,139,357

TURBINE SYSTEM

Hans P. Dahlstrand, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application June 20, 1936, Serial No. 86,278

7 Claims. (Cl. 253—69)



1. The method of reducing erosion of low pressure blading in a steam turbine provided with means for extracting steam adjacent to a low pressure stage thereof which comprises introducing superheated balance piston leakage steam into said low pressure stage at a point beyond said extraction point, whereby said leakage steam performs useful work in passing through said low pressure stage.

2,139,358

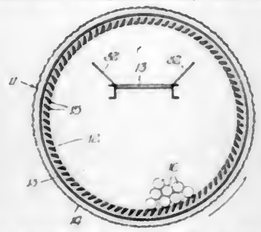
VERMICULITE ORE TREATMENT

Richard Ericson, Chicago, Ill., assignor to Universal Insulation Company, Chicago, Ill., a corporation of Illinois

Application April 3, 1936, Serial No. 72,530

7 Claims. (Cl. 83—9)

1. In an appliance for separating a mineral of the vermiculite group from its impurities, the combination of a rotary trommel having three screen-drums one inside of the other, means to rotate said trommel, means to introduce the impure ore to be treated into the innermost of said screen-drums, said innermost screen-drum having slots approximately three-quarters of an inch wide, the intermediate screen-drum having slots approximately four one-hundredths of an inch in width, the third outer screen-drum having substantially-square openings practically seventy-eight one-thousandths of an inch on a side, free elongated grinding-rods in and lengthwise of said innermost drum to apply a shearing force to the vermiculite particles substantially parallel to the planes of the flakes of which they are composed to divide such particles into thinner particles and to break up the impurities into smaller pieces, an inclined reciprocatory screen inside of



said trommel having a plurality of sections with different sizes of screen openings and located to receive the material carried up by, and delivered to it by, the rotary trommel and to discharge the material which does not pass through the screen outside of said trommel, and means to deliver the segregated treated vermiculite and the fragmented impurities separately from the appliance.

2,139,359

MIXED TERTIARY ETHERS

Theodore Evans, Martinez, and Karl R. Edlund, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Original application November 17, 1931, Serial No. 575,634. Divided and this application February 9, 1935, Serial No. 5,854

5 Claims. (Cl. 260—614)

1. The mixed tertiary butyl ethers of the formula $(CH_3)_3C—O—R$, in which —O—R represents a branched chain alkoxy radical wherein R is the alkyl radical of an aliphatic alcohol of the class consisting of the aliphatic secondary and aliphatic iso alcohols containing at least five carbon atoms.

2,139,360

PRODUCTION OF UNSATURATED KETONES

Alasdair W. Fairbairn and William Engs, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application April 6, 1937, Serial No. 135,268

18 Claims. (Cl. 260—596)

1. In a continuous distillation process for the production of an unsaturated ketone from the corresponding keto-alcohol in the presence of a dehydrating catalyst, the step of employing as reflux medium the stratified unsaturated ketone phase obtained by condensation of the distillate.

2,139,361

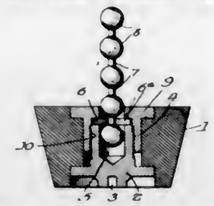
STOPPER FOR USE IN THE CONVENTIONAL MANNER WITH LAVATORIES, BATHTUBS, AND THE LIKE

Edward A. Fredrickson, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois

Application December 14, 1936, Serial No. 115,657

1 Claim. (Cl. 4—295)

A stopper and ball chain combination of the character described, having separable interlocking means comprising a hollow screw and an apertured bushing in complementary relation, removable flat washer-like fastening means having a radially extending slotted opening, a ball of the said chain normally positioned within the aperture of the said bushing and supportable



upon an upper surface of the said washer-like fastening means, the said fastening means being non-rotatably positioned between said interlocking means, the said interlocking means providing means for guiding and containing the end portions of the said chain.

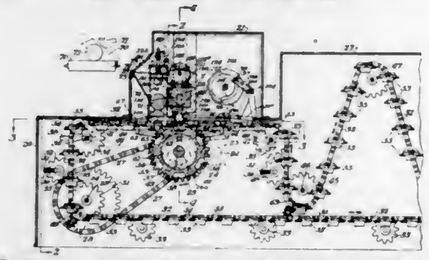
2,139,362

METHOD AND APPARATUS FOR MANUFACTURING POTTERY ARTICLES

Ralph J. Getty, Pittsburgh, Pa., assignor of one-half to Albert L. Feller, Castle Shannon, Pa.

Application August 11, 1936, Serial No. 95,319

15 Claims. (Cl. 25—22)



5. In apparatus for manufacturing pottery articles, the combination of a carrier having continuous motion except in the forming position, a series of molds mounted on the carrier and arranged by the movement of the latter to be brought in turn into the forming position, means for holding the molds stationary in the forming position during the forming operation, and means for successively depositing mold-charges in and shaping mold-charges in the molds while in the forming position.

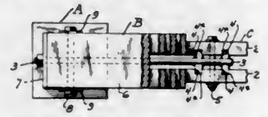
2,139,363

TRUSS STRUCTURE

Walter M. Graham, Berkeley, and Frank B. Benzon, Oakland, Calif.

Application November 17, 1937, Serial No. 175,076

4 Claims. (Cl. 108—23)



1. In a truss of the character described, the combination with top and bottom chords, said bottom chord being constructed of spaced parallel timbers, of a pair of tension members disposed between the timbers of the lower chord, one adjacent each end thereof, anchor means securing one end of each tension member between the timbers, the opposite end of each tension member projecting beyond the adjacent end of both chords, means securing the end of the top chord to the bottom chord, a thrust plate engaging each end of the top chord and perforated for the ends of the tension members to extend through, and means on the ends of the tension members to pull the thrust plate against the end grain of the top chord.

2,139,364

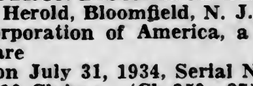
ALPHA-SUBSTITUTED GLYCEROL NITRATES

Herbert P. A. Groll, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application March 22, 1937, Serial No. 132,345

14 Claims. (Cl. 52—5)

1. A nitrated alpha-substituted glycerol of the general formula



wherein R is a hydrocarbon radical, R_1 is a substituent of the group consisting of the hydrogen atom and hydrocarbon radicals, and X, Y and Z are radicals of the group consisting of the nitrate radical and the hydroxyl radical, at least one of them being a nitrate radical.

9. An explosive composition comprising an alpha-alkyl glycerol trinitrate.

11. An explosive composition comprising alpha-methyl glycerol trinitrate and nitroglycerin.

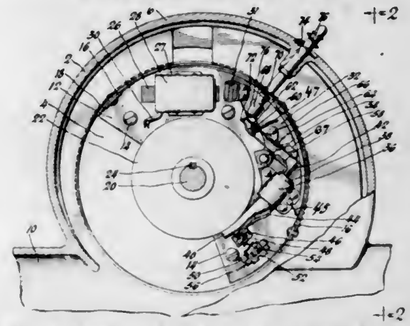
2,139,365

FRICTIONALLY HEATED TIME ELEMENT

Edward A. Halbleib, Henry C. Rohr, and Cyril T. Wallis, Rochester, N. Y., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application October 19, 1936, Serial No. 106,494

9 Claims. (Cl. 172—36)



1. In a device of the class described, operating means, control means therefor, heat actuated means for operating the control means, friction means actuated by operation of the first named means to supply heat for the heat actuated means and means for eliminating the friction and thus prevent the operation of the heat actuated means.

2,139,366

ELECTRON DISCHARGE DEVICE

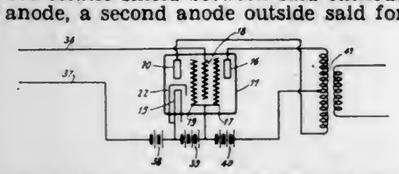
Edward W. Herold, Bloomfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application July 31, 1934, Serial No. 737,692

10 Claims. (Cl. 250—27)

1. An electron discharge device having a thermionic cathode, a foraminous electrode surrounding said cathode, an anode positioned to one side

of said cathode inside said foraminous electrode, an electrostatic shield between said cathode and said anode, a second anode outside said foraminous electrode and another foraminous electrode positioned between said second anode and said first foraminous electrode.



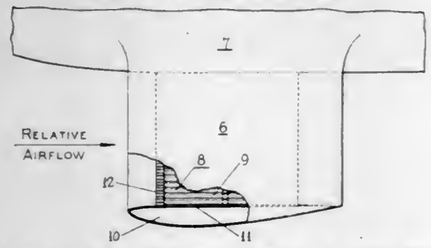
2,139,367

RADIATOR CORE CONSTRUCTION

Norman L. Kearney, Buffalo, N. Y., assignor, by mesne assignments, to Curtiss-Wright Corporation, a corporation of New York

Application November 20, 1935, Serial No. 50,647

2 Claims. (Cl. 257—128)



2. In a heat exchange device, a plurality of parallel tubes having depressed portions intermediate their ends, and spacing means externally engaging the said depressed tube portions, the said spacing means comprising a concentrically disposed ring adapted to tangentially contact like means on adjacent equidistantly spaced tubes in the transverse plane of its greatest diameter, the said means reducing gradually in diameter as measured outwardly from the said transverse plane of contact and greatest diameter.

2,139,368

RUBBER DERIVATIVE COMPOSITIONS

John H. Kelly, Jr., Chicago, Ill., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application April 26, 1934, Serial No. 722,488

1 Claim. (Cl. 134—17)

Paint or varnish solutions comprising chlorinated rubber, or the halogen addition products, polymers or oxides of rubber dissolved in suitable solvents, said solution also containing a substance selected from the group consisting of butyl phthalyl butyl glycollate, methyl phthalyl ethyl glycollate, and ethyl phthalyl ethyl glycollate in amounts necessary to give permanently flexible varnish or paint films, resistant to change when exposed to hot or cold dilute or concentrated sodium or potassium hydroxides, trisodium phosphate and other alkaline materials.

2,139,369

PLASTIC COMPOSITIONS

Lucas P. Kyrides, Webster Groves, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application September 16, 1936, Serial No. 101,037

11 Claims. (Cl. 106—22)

1. An organic plastic composition comprising a plastic material selected from the group consisting of cellulose esters, cellulose ethers, alkyd resins, phenol-aldehyde resins, vinyl ester and vinyl acetal resins, which composition contains a compound selected from the group consisting of the esters and ethers of the xylylene glycols.

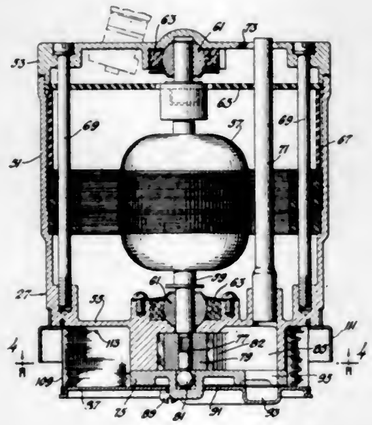
2,139,370

ELECTRIC FUEL PUMP

Carleton J. Lauer and Roy L. Bowers, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application April 23, 1937, Serial No. 138,485

4 Claims. (Cl. 103—118)



1. In combination, a fuel tank, a combined motor and pump assembly, means to support said assembly from the top of said tank, said assembly including a pump and a superposed motor, said motor being located within a motor chamber, said motor chamber having upper and lower end walls, means to rotatably support the rotor of said motor in said end walls, the rotatable support in the lower end wall being constructed to minimize escape of liquid, a stand pipe forming the discharge passage of said pump, said stand pipe having its upper end open to the motor chamber means to admit fuel from the delivery end of the stand pipe into the top of the motor chamber whereby the latter may be supplied with fuel from the pump for lubrication and whereby the lubricating medium may be retained in said chamber when the pump is idle, and other means whereby the fuel may be delivered externally from the stand pipe.

2,139,371

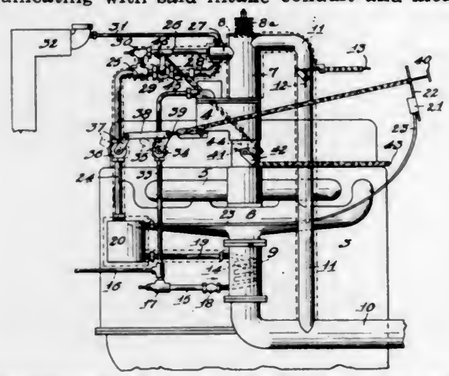
FUEL SUPPLY SYSTEM FOR INTERNAL COMBUSTION ENGINES

Willard Ledger and Roy Borden, Spalding, Mich., assignors of one-third to Ole Harstad, Bark River, Mich.

Application May 10, 1937, Serial No. 141,676

5 Claims. (Cl. 123—127)

1. The combination with an internal combustion engine having exhaust and intake conduits and a carburetor communicating with said intake conduit, of an auxiliary fuel supply system comprising, a coil associated with said exhaust conduit for heating a fuel supply to gaseous form, means for supplying fuel to said coil, a reservoir for gaseous fuel communicating with said coil, an outlet pipe for said reservoir communicating with said intake conduit and means for supplying air and heated gases to said intake conduit.



2,139,372

PRODUCTION OF CRESOLS AND HIGHER PHENOLS BY FUSION

Joseph R. Mares, St. Louis, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application June 11, 1937, Serial No. 147,643

9 Claims. (Cl. 260—154)

1. In a process of producing an alkyl-substituted phenol of the benzene series by fusion of the corresponding sodium salt of the aromatic sulfonic acid with sodium hydroxide, the improvement by which good yields and smooth reacting conditions are obtained, characterized in that the mixture undergoing fusion contains, in addition to the sodium aromatic sulfonate and sodium hydroxide, a compound selected from the group consisting of sodium phenates and sodium aromatic sulfonates other than that being fused to form the desired phenol of the process.

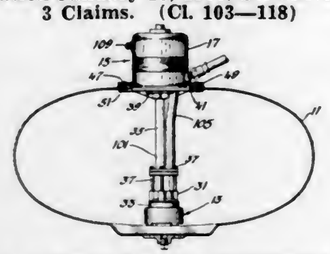
2,139,373

ELECTRIC FUEL PUMP

Charles W. McKinley and Carleton J. Lauer, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application January 13, 1936, Serial No. 58,892

3 Claims. (Cl. 103—118)



1. In a motor and pump assembly for delivering fuel from the fuel tank of a motor vehicle, a motor, a spacer and a pump including a pump casing connected in superposed relation, said motor and pump having aligned shafts, said spacer having an elongated liquid carrying space and a fuel discharge passage, a shaft in said liquid carrying space coupled to said motor and pump shafts, said pump having a second parallel pump shaft journalled in the casing of said pump, cooperating pump gears on said parallel pump shafts, and said spacer formed with a notch at its lower end leading from the liquid carrying space and directed toward the upper end of said second parallel shaft, means affording communication between said notch and the journal for said second pump shaft whereby liquid from said space may lubricate said second pump shaft.

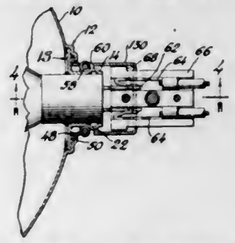
2,139,374

LAMP BULB MOUNTING

Clarence A. Michel and Howard C. Mead, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Original application March 29, 1934, Serial No. 717,886. Divided and this application January 18, 1937, Serial No. 121,046

9 Claims. (Cl. 240—41)



1. The combination of a support having an apertured portion, a bulb having a base extending into the aperture in the support and provided with a radially extending portion adapted to engage one side of the support, a contact carrier provided with contacts for engagement with the contacts on the base, spring means cooperating with the support, bulb base and contact carrier to hold the bulb yieldingly to the support and the contact carrier in yielding engagement with the base, and cooperating means on the bulb base and support for preventing rotation of the bulb with respect to the support.

2,139,375

REMOVAL OF SO_2 FROM GASES

Russell W. Millar and Herbert P. A. Groll, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application June 14, 1937, Serial No. 148,098

7 Claims. (Cl. 23—2)

5. A process for the removal of sulphur dioxide from a fluid mixture containing the same which comprises the step of extracting the fluid mixture with a liquid solvent essentially comprising a compound of the class consisting of the ethers, esters and mixed ether-esters of polyhydric alcohols, which poly-hydric alcohol derivatives are normally liquid at ordinary temperatures and no molecule of which contains more than three directly linked carbon atoms devoid of oxygen atoms.

2,139,376

VALVE DEVICE

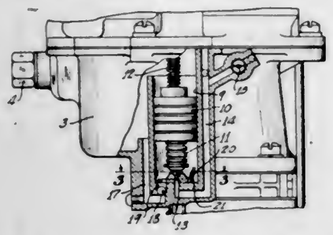
Byron Moliberg, St. Louis, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware

Application May 20, 1936, Serial No. 80,738

1 Claim. (Cl. 251—121)

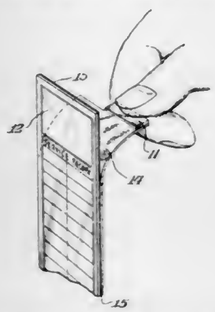
In combination, a fluid pressure chamber of substantial depth and having a transverse end wall and side wall structure restricting access to

said end wall, a recess in said end wall of substantially less area than said end wall and forming a valve chamber, abutment structure adjacent



said recess but outside the same, and resilient valve retainer means lodged against said abutment structure and extending across the mouth of said recess to secure a valve therein.

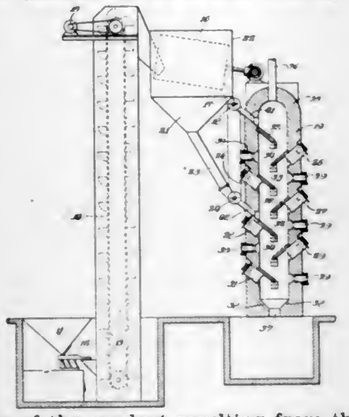
2,139,377
DISPLAY UNIT
Arthur B. Mull, Appleton, and Alan E. Pradt, Menasha, Wis., assignors to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application August 18, 1938, Serial No. 225,644
5 Claims. (Cl. 40—2)



1. A display unit comprising a body portion, the rear face of said body portion being provided with a coating of pressure sensitive adhesive composition and a peelable liner applied to said coating, said liner being greater in area than the area of said body portion and having a portion extending beyond the body portion to provide a grasping portion for peeling the liner from the said coating, and a tab portion affixed to said grasping portion for reinforcing same and providing a finger hold when said liner is peeled from said coating.

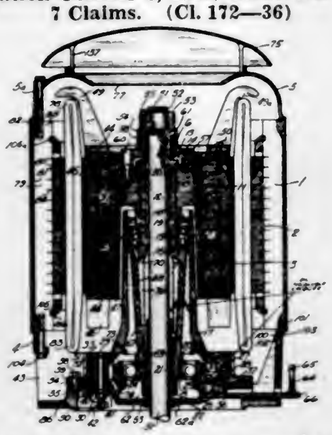
2,139,378
VERMICULITE EXPANSION METHOD
John B. Myers, Libby, Mont., and Glenn Sucetti, Chicago, Ill., assignors to Universal Insulation Company, Chicago, Ill., a corporation of Illinois
Application December 24, 1937, Serial No. 181,658
6 Claims. (Cl. 252—1)

1. In the process of heat-expanding vermiculite ore, the steps of introducing the larger vermiculite ore particles into a heated expansion furnace at a point to receive maximum heat treatment therein, introducing the smaller vermiculite ore particles into the furnace at another point to receive less heat treatment therein than that to which said larger ore particles are subjected, and removing the heat-expanded particles from the furnace, whereby to obtain approximately the same degree of expansion for all of the ore particles treated thus tending to uni-



formity of the product resulting from the treatment of various sizes of ore particles.

2,139,379
INTERCHANGEABLE TURBINE PUMP HEAD
Thomas G. Myers, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc., a corporation of California
Application October 6, 1934, Serial No. 747,196
7 Claims. (Cl. 172—36)

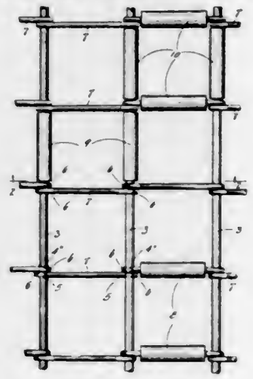


1. In a vertical rotary pump mechanism: an electric motor having a stator and a rotor; a rotor shaft; a pump shaft; means for connecting the rotor to the pump shaft; a bearing structure for rotatably supporting the rotor shaft and for vertically supporting the associated pump shaft; means forming a bearing housing for said bearing structure; means for detachably securing the rotor on said rotor shaft; and a supporting member for independently supporting both said stator and said bearing housing said bearing housing being adjustable with respect to the supporting member.

2,139,380
COMBINATION ENDLESS CONVEYER BELT AND GRADER SCREEN
Nelson Howard Norris, Bath, N. Y., assignor to Ethel E. Norris, Bath, N. Y.
Application November 18, 1936, Serial No. 111,538
2 Claims. (Cl. 209—84)

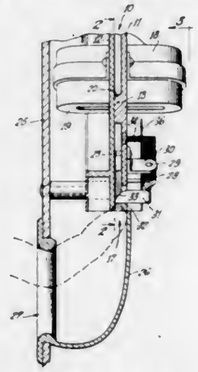
1. An endless conveyer belt and grader screen, comprising a plurality of transverse rods disposed

in spaced relation longitudinally of the belt, each of the rods being formed with a series of grooves spaced longitudinally of the rod, each of said grooves comprising independent annular channels formed in the rod separated only by a narrow annular projection forming a division between the channels, and a plurality of links connecting successive rods and forming the longitudinal elements of the belt, each of said links being looped



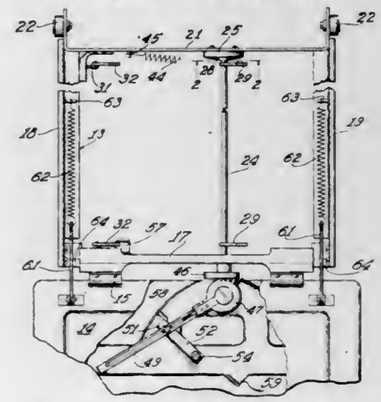
in similar channels of adjacent rods with the links of one groove projecting in opposite directions relative to the rod formed with such groove, each link being coiled downwardly with respect to the same surface of the belt, whereby the upper surface of the belt is relatively smooth and the lower surface is formed at the juncture of each pair of links and the rods with hump-like projections extending below the normal lower surface of the belt.

2,139,381
COIN AND TOKEN SEPARATOR
William Patzer, Chicago, Ill.
Application November 6, 1937, Serial No. 173,209
7 Claims. (Cl. 194—97)



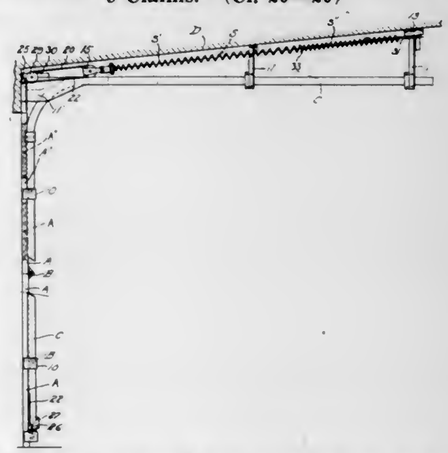
1. In a coin chute of the type having a chute passage discharging into a plurality of adjacent discharge openings, and means for selectively effecting movement of coin elements toward said openings fraud-preventive means in the form of a movable element having a portion disposed substantially across the path of a coin element moving toward one of said discharge openings for engagement and movement by the latter to position another portion of said member in blocking position across the path of a coin element moving toward another and adjacent one of said discharge openings.

2,139,382
BROILER
Harry S. Pletcher, Mark Bishop, and Benjamin C. Jones, Joliet, Ill., assignors to The Moore Corporation, Joliet, Ill., a corporation of Delaware
Original application November 22, 1935, Serial No. 51,106. Divided and this application May 29, 1937, Serial No. 145,400
2 Claims. (Cl. 126—337)



2. In a broiler oven having a broiler pan and mechanism for adjusting the vertical position of said pan including a rotatable shaft; a friction device comprising a segmental member mounted on and secured to said shaft, a plurality of studs mounted in said segmental member, and a stationary bearing member surrounding said studs and segmental member, said friction device maintaining said pan and said mechanism in any adjusted position against accidental displacement thereof.

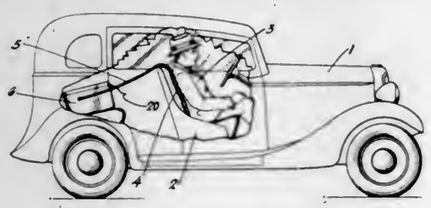
2,139,383
OVERHEAD DOOR CONSTRUCTION
David Malcolm Robinson, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut
Application November 14, 1936, Serial No. 110,892
9 Claims. (Cl. 20—20)



1. In an overhead door construction, a door, tracks guiding the door movement from a vertical closed position to a substantially overhead open position, spring means counterbalancing the door, and restraining means engaging the

spring means intermediate the ends thereof and reducing the effective operative portion of said spring means after the door reaches a predetermined position in its movement.

2,139,384
RECORDER
Arthur J. Schamehorn, Milford, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 6, 1934, Serial No. 729,255
3 Claims. (Cl. 234—5.6)



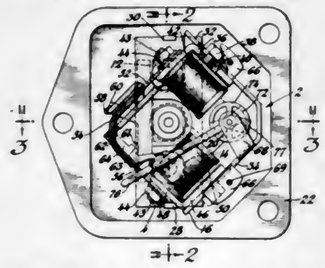
1. A device for recording the effect upon the occupant of a vehicle due to road shocks, comprising a yieldable seat-pad adapted to support the occupant, a vibration recording chart and stylus adapted to be carried by said vehicle, and means for transmitting the yielding motion of said seat-pad due to road shocks to said vibration recording chart and stylus.

2,139,385
ELECTRIC THERMOGAUGE-DASH UNIT
Bruce H. Schwarze and Robert H. Bigler, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 25, 1937, Serial No. 122,190
7 Claims. (Cl. 171—95)



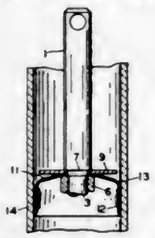
4. In an electrical measuring instrument, a frame, a piece of insulating material to which the frame is secured, a coil mounted on the frame, a resistance in series with the coil, a plate connected to the insulating material and insulated from the frame thereby, said resistance connected to said plate, a second coil mounted on the frame and electrically connected to first named coil, said coils capable of differential energization to create a varying field thereabout, means electrically to connect said second coil to the plate, and a pointer pivotally mounted within the field of both coils and adapted to move across a dial, said pointer having an armature rigidly connected therewith, said pointer and armature capable of being moved in accordance with the strengths of the fields of the coils.

2,139,386
ELECTRICALLY OPERATED GAUGE
Bruce H. Schwarze, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 20, 1937, Serial No. 164,652
7 Claims. (Cl. 171—95)



1. In a gauge for measuring changes in electrical current flowing from a source, a frame, two coils arranged in fan shape, a pointer movably mounted in the frame substantially at the intersection of the axes of the coils, means adjustably to secure the coils to the frame, a piece of insulating material secured to said means, a resistance mounted on said piece and connected in series with one of the coils, and means to conduct the current from the source through the coils.

2,139,387
ACCELERATING PUMP
Joseph Schweiss, St. Louis, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application December 3, 1935, Serial No. 52,651
1 Claim. (Cl. 309—33)

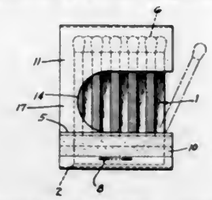


A piston comprising a thin sheet metal cup having an annular rim with a substantially smooth surface both inside and out, at least a portion of the end wall of the cup being substantially of frusto-conical shape whereby pressure exerted at the center of said end wall in one direction will tend to cause expansion of the outer wall of the cup.

2,139,388
ANTIACCIDENTAL IGNITION MEANS FOR MATCH PACKAGES
Frank G. Steiner, Chicago, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah, a corporation of Utah
Application September 5, 1935, Serial No. 39,309
2 Claims. (Cl. 206—29)

2. A match book comprising a card of matches each projecting and separable from a common base, a cover extending about the head ends of the matches and extending down the back and front sides of the match card to the base, means for securing the base and cover together to hold the cover permanently closed and the base immovable with respect to the cover, the cover having a slot

extending inwardly from a free edge, and between the tips and base, of a length to expose a plurality of matches, and of a width to permit insertion of



a finger to engage and bend outward from beneath the cover, for separation from the base, a match thus exposed.

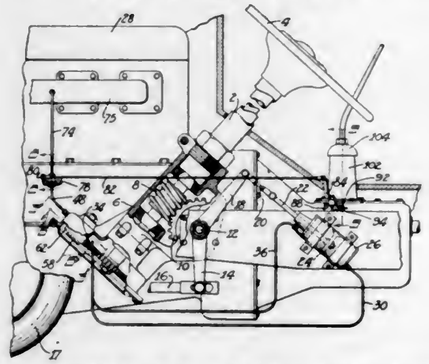
2,139,389
THREAD OR FABRIC TREATMENT
Joseph I. Taylor and Karl T. Schaefer, Elizabethton, Tenn., assignors to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application May 21, 1935, Serial No. 22,654
2 Claims. (Cl. 91—70)

1. In the process of rubberizing thread or fabric containing regenerated cellulose, the step of first warming the thread or fabric to a temperature above 135° F. and then directly applying the rubber which is of a temperature of at least 135° F. to the thus heated thread or fabric.

2,139,390
PROCESS OF MAKING CRYSTALLINE MENTHOL
Charles O. Terwilliger, Birmingham, Ala., assignor, by mesne assignments, to The First National Bank of Birmingham, Birmingham, Ala.
No Drawing. Application October 17, 1936, Serial No. 106,163
10 Claims. (Cl. 260—476)

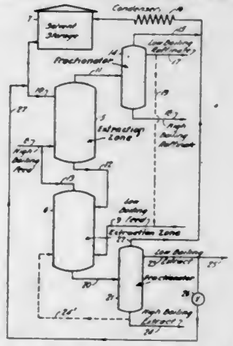
1. The method of making laevorotatory high melting point menthol which comprises hydrogenating isopulegol to form a mixture of isomeric menthols, esterifying the mixture, fractionally crystallizing the esterified isomers, and separately saponifying the higher melting point crystalline esters.

2,139,391
MOTOR VEHICLE
Milton Tibbetts, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application July 21, 1934, Serial No. 736,338
4 Claims. (Cl. 180—79.2)



1. In combination with a motor vehicle having a steerable road wheel controlled by a steering mechanism including a manual means for operating the mechanism, a power means operatively engaging said steering mechanism for boosting steering forces exerted on said wheel, valve means operatively engaging said manual means for controlling said power means, and means for restricting fluid flow in said power means when said valve means is in a neutral position whereby movements of said wheel under road conditions are cushioned when said steering forces are relaxed.

2,139,392
EXTRACTION PROCESS
Sijbren Tijmstra, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application May 27, 1935, Serial No. 23,552
11 Claims. (Cl. 196—13)



1. A process of concentrating the paraffinic component of a high boiling mineral oil containing paraffinic and non-paraffinic components comprising the steps of extracting said oil with a selective solvent for non-paraffinic components in a first extraction zone under conditions producing first raffinate and extract phases, separating the first extract phase from the first raffinate phase, contacting the first extract phase in a second extraction zone with a low boiling mineral oil distillate containing paraffinic and nonparaffinic components under conditions causing the formation of a second raffinate phase comprising paraffinic components of the said oil and of the low boiling distillate, and a second extract phase comprising non-paraffinic components of the said oil and of the low boiling distillate, separating the second extract phase from the second raffinate phase, returning at least a portion of the second raffinate phase to the first extraction zone, separating from the second extract phase a non-paraffinic low boiling extract, introducing at least a portion of said separated low boiling extract into the first extraction zone, withdrawing the first raffinate phase from the first extraction zone, and separating from said first raffinate phase a fraction containing the paraffinic component of the high boiling oil in concentrated form.

2,139,393
PROCESS FOR THE PRODUCTION OF ALKYL ESTER SALTS
Adrianus Johannes van Peski and Anton Johan Tulleners, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 24, 1935, Serial No. 28,214. In the Netherlands July 3, 1934
9 Claims. (Cl. 260—460)

1. In a process for the production of alkyl ester salts from acid liquor produced by the absorption

of an olefine in a polybasic mineral acid, the steps of substantially removing free acid from the acid liquor, substantially removing alkyl acid esters from the neutral alkyl ester content and saponifying the latter by reaction at an elevated temperature not substantially higher than 100° C. with a strong aqueous solution of a strong inorganic base for a time insufficient to form more than one mol of alcohol per mol of neutral ester to form directly the corresponding alkyl ester salt.

2,139,394
ESTERS OF POLYMERIZED ORGANIC COMPOUNDS

Adrianus Johannes van Peski, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application August 8, 1936, Serial No. 95,040. In the Netherlands August 21, 1935

17 Claims. (Cl. 260—460)

2. In a process of producing higher molecular organic compounds from unsaturated organic compounds of lower molecular weight the step of reacting a non-resinous unsaturated compound of the class consisting of copolymers and interpolymers of organic compounds containing an unsaturated aliphatic radical with a polybasic mineral oxy acid to form the corresponding ester.

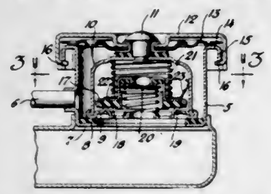
16. An acid sulfate of a non-resinous unsaturated polymer of an organic compound which compound had contained an unsaturated aliphatic radical said ester being free from sulfonic acid groups.

2,139,395
RADIATOR PRESSURE CAP

Nelson Walker, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application February 23, 1937, Serial No. 127,046

4 Claims. (Cl. 220—44)



1. In an engine cooling system adapted for operation under predetermined internal pressure, pressure relief means including a valve cage, a plate valve contained within the cage, a valve seating spring positioned between the cage and the valve, and a ring held between the valve and one end of the spring and provided with a series of outwardly extending spring fingers in friction sliding engagement with the cage.

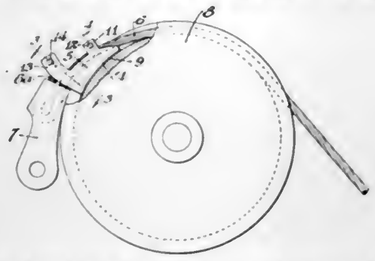
2,139,396
CABLE PROTECTING DEVICE

Gust Weggum, Cooley, Minn., assignor to The Reclamation Company, a corporation of Delaware

Application June 6, 1936, Serial No. 83,927

4 Claims. (Cl. 254—190)

1. The combination with a cable, a head secured to said cable and a sheave having a groove in which said cable is trained, of an arcuate protecting device secured to said cable adjacent to said head, said device extending circumferentially to said sheave between said cable and sheave and having a channel for said cable merging gradually into the groove of said sheave to cause said



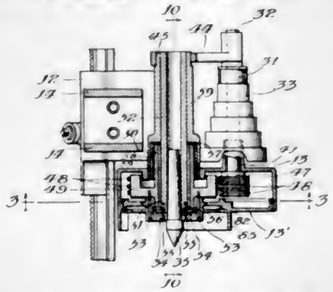
cable to bend gradually from said sheave to said head when said head is actuated to contact the periphery of said sheave.

2,139,397
MOTOR DRIVEN HEADSTOCK FOR MACHINE TOOLS

Albert W. Wigglesworth, Chicago, Ill., assignor to Hill-Clarke Machinery Co., Chicago, Ill., a corporation of Illinois

Application September 8, 1936, Serial No. 99,761

4 Claims. (Cl. 51—237)



1. A motor driven headstock for grinding machines comprising a normally sealed housing, a center head shaft fixedly mounted in the housing, an oilless bearing on the center head shaft, a pulley rotatably mounted on said bearing, a work-engaging member fixed to and rotatable with the pulley, a drive shaft extending into the housing, an oilless bearing between the drive shaft and housing, a pulley fixed to said drive shaft within the housing, a molded, jointless continuous rubber belt having a smooth uninterrupted inner surface connecting the pulleys on the drive shaft and on the center head shaft, means attached to the housing and closed by the housing for bearing on said belt and automatically controlling the tension of the belt, and a cover for closing the housing.

2,139,398
FUEL, AND COMPOSITIONS OF MATTER FOR TREATING SOLID CARBONACEOUS FUEL

Samuel W. Allen, Hudson, Ohio

No Drawing. Application August 11, 1936, Serial No. 95,441

9 Claims. (Cl. 44—6)

1. A solid carbonaceous fuel consisting of a coal body having its entire surface covered with a uniform coating of titanium dioxide rendered tightly-adherent through the agency of casein, said coating imparting to the fuel a color appearance different from that of natural coal, and said coating being effective to reduce material atmospheric deterioration of the coal body and

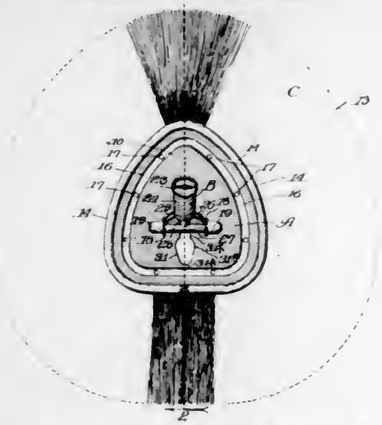
to make the fuel clean and dustless and, when the fuel is ignited, being effective in controlling its burning characteristics so as substantially to prevent creation of smoke and soot.

2,139,399
MOP

Warren G. Bailey, Evanston, Ill., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill., a corporation

Application May 13, 1937, Serial No. 142,463

2 Claims. (Cl. 306—19)



1. In a floor mop of the character set forth, a base plate of the shape indicated and having depending side flanges, said base plate having a pair of spaced slots, the metal between the slots being sprung downwardly and the metal to the side of the slots being pressed upwardly to afford end sockets for a pin, and a third slot in said base plate extending between said pair of slots and overlapping the same, said three slots providing between them two relatively narrow spring bands affording a spring base, a pivot pin resiliently supported within said spring base and having its ends engaging said sockets, and a mop handle provided with a pivot socket extending substantially the distance between said slots and receiving said pivot pin, said handle socket being resiliently gripped by said spring base so as to maintain said handle socket in any desired angular position.

2,139,400
PROCESS OF PREPARING PICRIC ACID COMPOUNDS

John C. Bird, Montclair, N. J., assignor to John Wyeth & Brother, Incorporated, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application February 28, 1935, Serial No. 8,777

6 Claims. (Cl. 260—430)

1. The method of preparing a solution of silver picrate which comprises reacting upon silver oxide with picric acid in the presence of a lower monoalkyl ether of diethylene glycol.

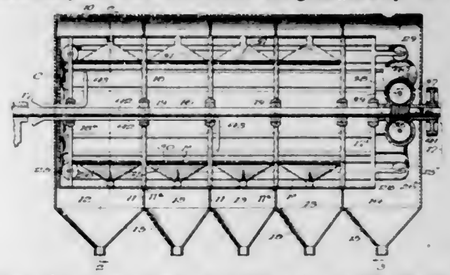
2,139,401
CONTINUOUS SELF-CLEANING FILTER

Clarence J. Bleil, Medford, Oreg.

Application October 9, 1936, Serial No. 104,894

7 Claims. (Cl. 210—68)

3. A filter of the character described comprising a horizontally disposed casing, a rotatably mounted filter chamber located within said casing and having openings communicating with said casing, longitudinally spaced radial walls interposed between said casing and said filter chamber in such a manner as to provide a plurality of zones extending longitudinally of and surrounding said filter chamber, a plurality of longitudinally extended and movably supported belt-like filter members located within the filter chamber and so arranged as to provide an approximately cylindrical filter bed, means for causing all of said filter members to move simultaneously in one direction longitudinally of the



filter chamber, means cooperating with the last mentioned means for causing the filter members to rotate about an axis, and a plurality of sets of collection chambers, there being one set for each of said zones, said collection chamber being interposed between the respective filter members and the exterior wall of the filter casing, the base portions of said filter members being open so as to receive liquids passing through the filter members, each collection chamber having converging triangular walls terminating in a discharge portion, said discharge portions communicating with the respective openings in the filter chamber.

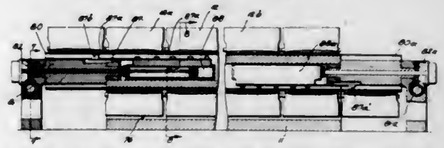
2,139,402
MACHINE TOOL

Lyndon C. Cole, Hamilton, Ohio, assignor to General Machinery Corporation, Hamilton, Ohio, a corporation of Delaware

Application March 5, 1934, Serial No. 714,044

Renewed August 21, 1936

16 Claims. (Cl. 29—33)



14. A machine of the character described comprising a frame, a fixture guide in said frame, a fixture on said guide adapted to receive and hold a work piece, means for moving said fixture along said guide, means on said frame for performing a cutting operation on the work piece, a rotatable table movable about an axis parallel to the line of advance of the fixture along said guide, means for rotating said table, and a return guide for the fixture, said table forming continuations of both said guides.

2,139,403
MACHINE TOOL

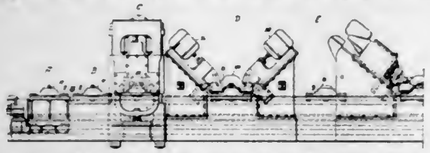
Lyndon C. Cole, Hamilton, Ohio, assignor to General Machinery Corporation, Hamilton, Ohio, a corporation of Delaware

Application September 8, 1934, Serial No. 743,231

18 Claims. (Cl. 29—33)

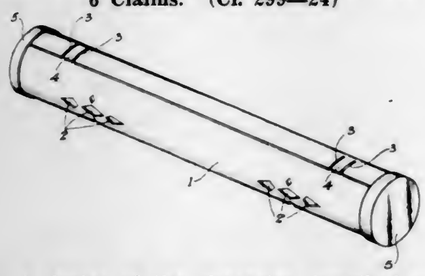
1. Apparatus of the character described comprising a series of mechanisms spaced different

distances apart and one following another for successive operations on work pieces, work carrying fixtures, and feeding means for moving said fixtures predetermined amounts to advance them through said mechanisms, said feeding means comprising a rotatable device extending through



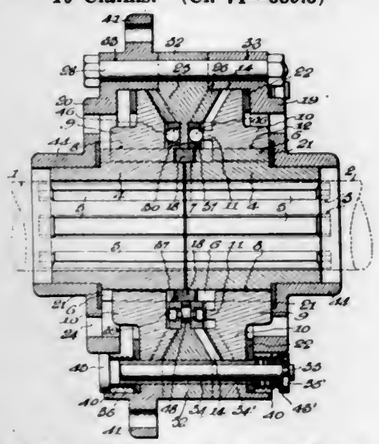
a number of said mechanisms and having threads engageable with the fixtures and arranged to advance a fixture different distances in accordance with the different spacings of said mechanisms at different locations along said device for a given number of revolutions of said device.

2,139,404
CHEMICAL RECEPTACLE FOR ATTACHMENT TO GARMENT HANGERS
Sidney J. Evans, Cleveland, Ohio
Application May 21, 1937, Serial No. 144,015
6 Claims. (Cl. 299—24)



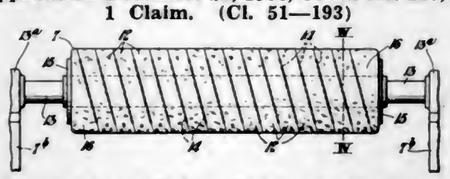
1. A device of the character described comprising a tubular body formed of a sheet of resilient material with its edges disconnected from, but in contiguous relation with, each other, and end caps telescoped over the ends of the body and serving to size and hold the same under compression.

2,139,405
DIFFERENTIAL MECHANISM
Clayton E. Frederickson, Chicago, Ill.
Application August 23, 1937, Serial No. 160,535
10 Claims. (Cl. 74—389.5)



1. A differential comprising a driving clutch member having a series of clutch teeth on its opposite sides, two driven clutch members located one at each side of said driving clutch member and having clutch teeth to mesh respectively with those of said driven clutch members, means continuously tending to hold said clutch members in mesh, two shaft sections, means to mount said driven clutch members on said shaft sections so that said driven clutch members will turn with and be slidable along said shaft sections, means to limit the movement apart of said driven clutch members to a distance such that only one driven clutch member at a time can be unmeshed from the driving clutch member, antifriction members carried by said driving clutch member, and means to hold said antifriction members against linear movement save as a unit with said driving clutch member and cam elements carried by said driven clutch members to cooperatively engage with said antifriction members for the purpose of causing the overrunning one of said driven clutch members to unmesh its teeth from those of the driving clutch member.

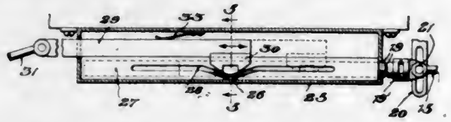
2,139,406
POLISHING OR GRINDING ROLL
Henry H. Giles, Lincoln Place, Pa.; Dora Thompson Giles executrix of said Henry H. Giles, deceased
Application December 22, 1936, Serial No. 117,156
1 Claim. (Cl. 51—193)



A cylindrical roll for polishing or grinding substantially flat surfaces comprising a rotatable shaft, a plurality of flat-sided abutting resilient circular sections assembled on said shaft, the abutting surfaces of said flat-sided sections being inclined at an angle to a line which is perpendicular with the axis of the roll, a wedge-shaped retaining section at each end of said assembled flat-sided sections, each of said wedge-shaped retaining sections having an angularly inclined inner surface for abutting the outer surfaces of the flat-sided sections at the ends of the assembly thereof, the diameter of said wedge-shaped retaining sections being substantially that of the flat-sided sections at the ends of the assembly which they abut, the outer surface of said wedge-shaped retaining sections being substantially perpendicular to the line of contact of the roll, a relatively thin plate of smaller diameter disposed on either side of each of said flat-sided sections, and means for securing said flat-sided sections, said wedge-shaped retaining sections, and said plates to said rotatable shaft.

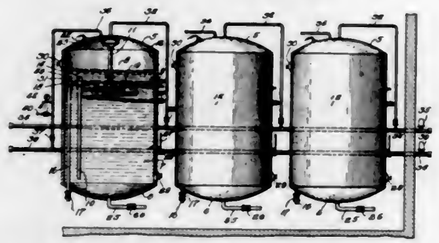
2,139,407
AUTOMOBILE DIRECTION SIGNAL
William Ingles Harnsberger, Grottoes, Va.
Application September 23, 1935, Serial No. 41,798
2 Claims. (Cl. 116—36)

2. In an automobile direction signal, a signalling member, means to operate the member to indicate the directional movement of the automobile, an element mounted on the automobile for rectilinear and axial rotative movement and connected to the operating means for simultaneous movement therewith, stationary means mounted on the automobile and disposed in the path of said element, said stationary means and element being constructed and arranged to cause rotation of the latter as the same is moved to a predetermined point in its rectilinear movement, and a slidable and rockable member connected to the steering mechanism of the automobile and



movable thereby to a position where it engages said element when the steering mechanism has been operated to make a turn, and to return said element and thereby the signalling member to normal position when the automobile has resumed a straight course.

2,139,408
METHOD OF MANUFACTURING YEAST FERMENTED BEVERAGES
Herman Heuser, Evanston, Ill.
Application January 30, 1936, Serial No. 61,627
1 Claim. (Cl. 99—41)



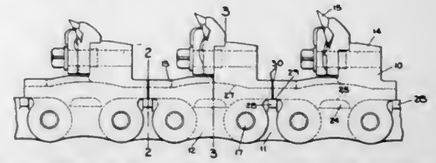
The method of fermenting beverages for the recovery in pure form of the bulk of the yeast therein which comprises, fermenting the yeast-pitched, yeast-fermentable liquid body under a relatively low super-atmospheric pressure until the liquid is nearly fermented, and then completing the fermentation under a relatively high super-atmospheric pressure, whereby during the fermentation CO_2 is generated from the liquid and forms a foamy mass including liquid, gas and yeast, passing the foamy mass autogenously by displacement into a secondary fermenting body of a liquid, separating liquid and yeast from the foam and continuously returning liquid to the primary fermenting body, the rate of passage of the foamy mass into the secondary body being correlated to the fermenting time so that the bulk of the yeast is passed into the secondary body.

2,139,409
QUICK DETACHABLE BRAKE LINING
Lester Saxton Hunter, Rochester, N. Y.
Application March 14, 1938, Serial No. 195,913
2 Claims. (Cl. 188—234)



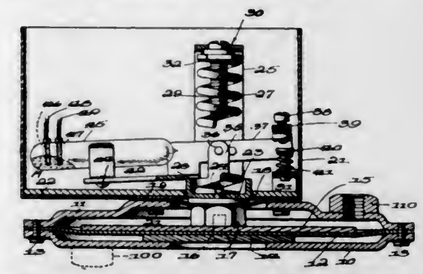
1. In a device of the class described, the combination of a brake shoe provided with sockets, said brake shoe provided with a flange between the ends of said sockets, fastening means in each socket and straddling said flange, a lining on said brake shoe, and said fastening means engaging said lining.

2,139,410
CUTTER CHAIN AND CUTTER BAR
Robert K. Jeffrey, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application June 8, 1934, Serial No. 729,704
Renewed February 8, 1936
2 Claims. (Cl. 262—33)



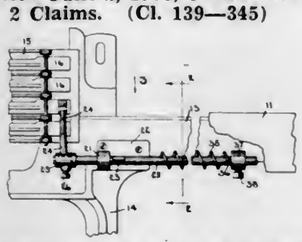
1. In a kerf-cutter for mining machines, the combination with a cutter bar having an outwardly extending rib less in thickness than the body of the cutter bar to afford shoulders on opposite sides of the cutter bar along the outer edges thereof and along the curved outer edges thereof in parallelism with the outer edge of the rib, and a chain cutter comprising bit carrying links each comprising spaced straps with curved surfaces adapted to move along said shoulders including the outer curved ends thereof, said straps being connected by a member having spaced straight surfaces connected by a curved surface, said straight surfaces being adapted to ride along the outer lateral edges of the rib and said curved surfaces between said straight surfaces being adapted to ride along the curved outer end of said rib.

2,139,411
PRESSURE REGULATOR
Irving C. Jennings, South Norwalk, Conn.
Application May 29, 1935, Serial No. 24,139
3 Claims. (Cl. 200—83)



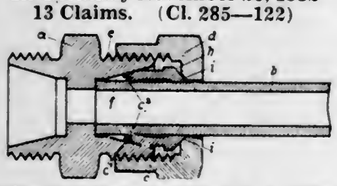
1. A pressure regulator comprising a diaphragm on the surface of which an actuating fluid operates, adjusting means for determining the pressure at which said diaphragm operates, and a tilting mercury switch mounted for movement under the influence of said diaphragm, means to cushion movement of said switch, said mercury switch having an electrode positioned at a substantial angle to and in the path of flow of the mercury and positioned to offer an obstruction to such flow of mercury whereby adhesion of the mercury to the electrode will in itself cause a delayed action of the switch followed by an actuation of the switch with a snap action.

2,139,412
PROTECTOR MECHANISM FOR LOOMS
Victor H. Jennings, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application June 2, 1936, Serial No. 83,088
2 Claims. (Cl. 139—345)



1. In a loom having a lay, a one-piece protector rod having a diametral dimension, a dagger near each end of the rod integral therewith and having a lateral dimension measured in the direction of the length of the rod, and a coiled spring mounted on the rod between the daggers and having an internal diameter greater than said diametral dimension, the distance between adjacent coils of the spring being at least equal to the lesser of said dimensions.

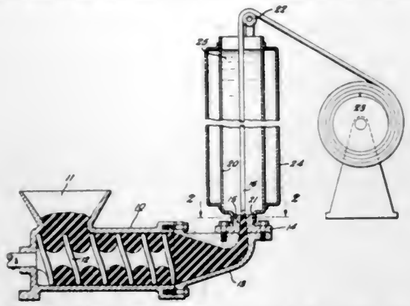
2,139,413
JOINT FOR PIPES
Hans Kreidel, Wiesbaden, Germany, assignor, by mesne assignments, to Patex Société Anonyme, Basel, Switzerland
Application October 25, 1933, Serial No. 695,077
In Germany November 26, 1932
13 Claims. (Cl. 285—122)



1. A tube coupling comprising a body having means for attachment to a part to which a tube is to be connected, said body having a shoulder formed therein as an abutment for the end of the tube and having a flaring mouth leading to said shoulder, a sleeve having an annular part with an edge sufficiently hard to cut into the tube, and means to force said sleeve into said flaring mouth and longitudinally of the tube thereby to contract said annular part and cause said edge to shear the outer surface of the tube and form a ridge of appreciable size thereon without appreciably deforming the internal surface of the tube.

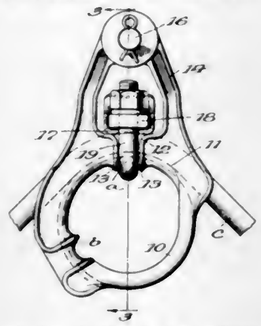
2,139,414
METHOD AND APPARATUS FOR VULCANIZING RUBBER STRIPS
John Wesley Lee, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 24, 1935, Serial No. 56,027
5 Claims. (Cl. 18—6)

1. The steps in the method of making a long strip of cured plastic material such as rubber, comprising: extruding the uncured plastic material thru a die directly into a heated liquid having such a high hydrostatic pressure as will provide the desired external pressure upon the extruded strip while curing said strip, and leading the extruded strip upwardly thru said heated liquid and progressively curing same by the heat



and hydrostatic pressure applied thereto by said liquid.

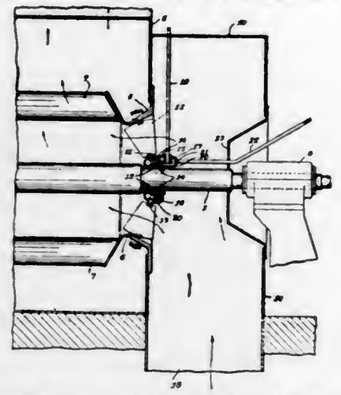
2,139,415
STRAIN OR SUSPENSION CLAMP
Alexander McLachlan, Kenova, W. Va., assignor to Jeffery Dewitt Insulator Company, Kenova, W. Va., a corporation of West Virginia
Application September 22, 1936, Serial No. 102,035
4 Claims. (Cl. 248—63)



1. A combined strain and suspension clamp for high tension electrical conductors, comprising a clamp body, and suspension means therefor, said body having an arcuate conductor cable seat, anchor positioning means located contiguously to one end of said cable seat and another anchor positioning means located between the ends of the cable seat and contiguously to said suspension means, and a cable clamp so constructed and arranged as to be selectively engageable with the cable at either anchor position, whereby the same clamp body is adapted for selective use as a suspension clamp or a strain clamp, the first mentioned anchor positioning means being so located with respect to the suspension means that while the conductor cable is clamped at that position there will be frictional engagement of the cable with its seat throughout the length of said seat.

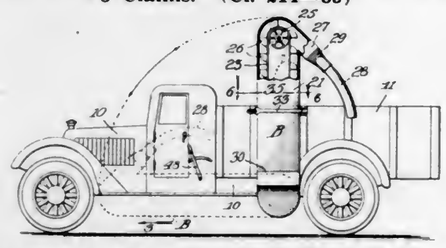
2,139,416
FAN
Charles N. McLane, Hyde Park, Mass., assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass.
Application November 20, 1937, Serial No. 175,691
5 Claims. (Cl. 230—114)

1. A fan comprising in combination, a plurality of fan blades, a shaft for supporting said blades, means forming an inlet passage around said shaft into said blades, a plurality of rotatable vanes in said passage, mechanism in said passage for rotating said vanes, a housing around said mechanism, means forming a passage for connecting said first mentioned passage with a source of gas



to be moved, and means connecting the interior of said housing with gas from another source.

2,139,417
TRUCK LOADER AND UNLOADER
Joseph M. Milan, Indianapolis, Ind.
Application December 23, 1936, Serial No. 117,383
5 Claims. (Cl. 214—83)



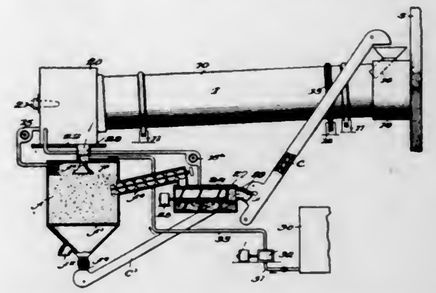
1. In a truck equipped with a receptacle, an opening in the bottom of said receptacle, a removable closure over said opening, a lateral conveyor communicating with said opening, said conveyor including a cylindrical casing and a spiral, an elevator communicating with said conveyor, said elevator including a casing and a bucket lift, said casing extending upward above the sides of said receptacle but being movable to a position in which its top is below the top of said receptacle, said bucket lift being actuated by said spiral, and means connected with the transmission of said truck for driving said spiral.

2,139,418
PHENOLIC CONDENSATION PRODUCT AND METHOD OF MAKING SAME
Nathan M. Mnookin, Kansas City, Mo.
No Drawing. Application July 9, 1936, Serial No. 89,771
11 Claims. (Cl. 260—4)

1. A process for the manufacture of aldehyde condensation products comprising causing phenol to react with formaldehyde in the presence of a non-cyclic alkylene polyamine as the condensing agent or catalyst in catalytic proportion.

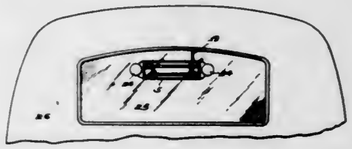
2,139,419
METHOD OF DESTROYING SEWAGE
Henry H. Moreton, Santa Monica, Calif.
Application August 19, 1935, Serial No. 36,933
8 Claims. (Cl. 110—14)

1. A method of destroying sewage comprising removing liquid from sewage by depositing sewage and hot inorganic granular material upon a filter bed, removing the inorganic granular



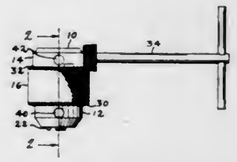
material and residual sewage and intimately mixing the same, and heating the mixture to such a temperature as will incinerate the residual sewage.

2,139,420
DIRECTION SIGNAL FOR AUTOMOBILES
Thomas H. Richards, Coconut Grove, Miami, Fla.
Application March 10, 1937, Serial No. 130,161
1 Claim. (Cl. 177—329)



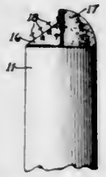
A device of the character described comprising a casing, a lamp in said casing, rubber vacuum cups carried by the casing for supporting said casing directly upon the glass of the window of an automobile, and a contact element carried by said casing and held in contact with the metal of the automobile at the edge of the window by the action of said vacuum cups.

2,139,421
DRILL CHUCK
Arthur E. Rineer, Dayton, Ohio
Application September 15, 1937, Serial No. 163,992
1 Claim. (Cl. 279—62)



In a drill press chuck adapted for use with a key having a pinion provided with inclined gear teeth, the combination including a body portion and a key ring portion, the body portion having key receiving sockets on both sides of the key ring, the opposite sides of said ring having inclined gear teeth, the gear teeth on one side being oppositely inclined with respect to the gear teeth on the other side so that the key when inserted in one of the sockets on one side of the key ring will effectively tighten the gripper jaws of the chuck and when inserted in the socket on the other side of the key ring will effectively loosen the key ring, thereby releasing the gripper jaws.

2,139,422
PROCESS FOR PRESERVING STANDING POLES
Carl Schmittutz, Bad Kissingen, Germany, assignor, by mesne assignments, to General Osmose Corporation, Dover, Del., a corporation of Delaware
Application March 26, 1935, Serial No. 13,110
In Germany July 16, 1930
1 Claim. (Cl. 21—13)



In a process for the preservation of standing wooden poles, the steps comprising applying to the top area of a standing pole a coating consisting of an aqueous tacky paste comprising a plurality of inorganic wood preservatives which exhibit widely different solubility when acted upon by the rain, a paste forming glutinous substance and water, and leaving said coating exposed to rain so that the latter is utilized to form a preservative solution of said wood preservative which flows down the pole and simultaneously impregnates the wood, said process being characterized in that the preservatives used are selected so that the leaching out of the paste of the more soluble preservative will leave the composition porous so that, with each subsequent rain, the more difficultly soluble preservative will be dissolved to form a solution which will run down the pole and augment the impregnation achieved by previous distribution of the more soluble compounds.

2,139,423
FRAMED SCREEN
Charles A. Scheeler, Buffalo, N. Y., assignor to Buffalo Wire Works Co., Inc., Buffalo, N. Y., a corporation of New York
Application September 19, 1936, Serial No. 101,627
4 Claims. (Cl. 189—79)



1. An article of the character described, comprising a plurality of metal angle bars joined at their ends to provide a frame, one set of the legs of said angle bars being joined end to end and being disposed in the same plane and the other set extending laterally in the same direction from said first set and a piece of relatively heavy gage wire cloth the strands of which are arranged in a common plane and set into said frame and having their ends welded at one side to the inner faces of said first set of legs.

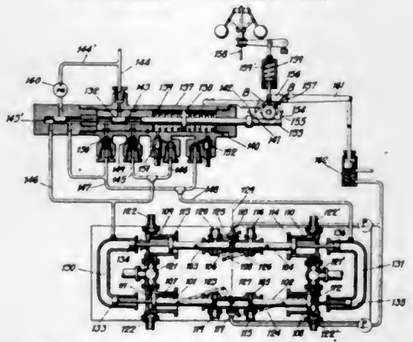
2,139,424
FISH BAIT OR LURE
Frederick G. Simon, Detroit, Mich.
Application August 9, 1937, Serial No. 158,010
2 Claims. (Cl. 43—45)

1. A casting bait or lure including a body and laterally extending fins and blades formed of two like sheet metal stampings secured face to face and providing a tubular open ended body having longitudinally extending spiral fins and laterally extending blades at its forward end with said blades bent in opposite directions at their rear edges, a rigid loop secured within the forward open end of the tubular body, a hook assembly having a shank extending into the rear end of the tubular body and provided with an eye at its end, a flexible member attached to said eye within the tubular body and to said rigid loop at the open forward end of the body, said



flexible member being adapted to be twisted by relative rotation of said body and shank, and a swivel attached at one end to said rigid loop and formed at its opposite end with means for attachment of a fish line thereto, whereby the body and hook assembly may rotate freely relative to the fish line when drawn through the water.

2,139,425
FLOATING PISTON INTERNAL COMBUSTION ENGINE
Hans Steiner, Winterthur, Switzerland, assignor to Sulzer Frères, Societe Anonyme, Winterthur, Switzerland
Application March 8, 1935, Serial No. 10,080
In Switzerland March 13, 1934
27 Claims. (Cl. 123—52)

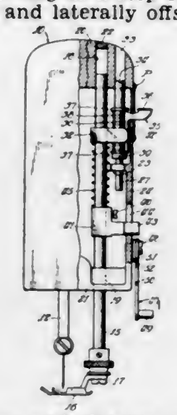


1. In an internal combustion engine two individual combustion cylinders, a free stroke piston in each of said cylinders, and a hydrostatic connecting means interconnecting said two pistons, whereby the movement of one of said pistons is made directly, rigidly dependent upon the movement of the other of said pistons.

2,139,426
SEWING MACHINE
Chester M. Toskey, Chicago, and John D. Feeney, Downers Grove, Ill., and Charles E. Colegrove, Lakewood, Ohio, assignors to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application October 5, 1936, Serial No. 104,032
18 Claims. (Cl. 112—237)

1. In a device of the class described and in combination, a presser bar which is solid and of uniform thickness throughout substantially its entire length, a helical spring coiled on said bar,

a member fixed to said bar and serving as a stop for one end of said spring, a member slidable on said bar and serving as a stop for the other end of said spring, and laterally offset manipulating



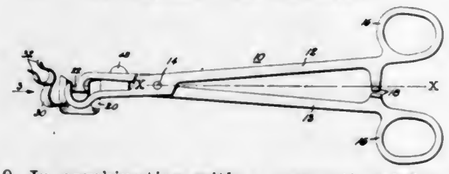
means acting on said slidable member for providing a pair of vertical adjustments therefor, whereby the spring pressure on said bar may be alternatively arranged for sewing or for darning.

2,139,427
SPINDLE MOUNTING FOR SHUTTLES
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application September 10, 1937, Serial No. 163,195
12 Claims. (Cl. 139—208)



1. In a loom shuttle, a spindle, a weft carrier thereon, and pivot means connecting the spindle and shuttle located at the sides of the weft carrier and intermediate the ends thereof.

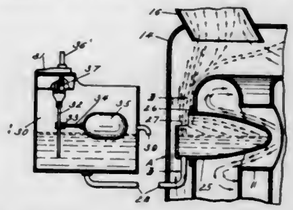
2,139,428
CATHETER FORCEPS
Raymond E. Tyvand, Dayton, Ohio
Application July 26, 1937, Serial No. 155,748
19 Claims. (Cl. 128—351)



9. In combination with a conventional forceps for applying a catheter, of means for releasably holding upon the forceps a short length of the catheter in a buckled relation to intercept the passage through the catheter while being advanced into position for use.

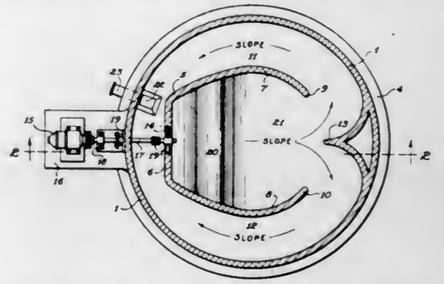
2,139,429
HUMIDIFIER
John A. Wilson, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application February 21, 1936, Serial No. 65,137
8 Claims. (Cl. 126—113)

1. A humidifier for use in connection with hot air heating systems wherein products of combustion are employed to heat air, a container for liquid to be vaporized and discharged into the heated air, said container being formed in the general shape of a cone, a substantially horizontally extending conduit for conducting products of combustion in heat exchange relation with the



air to be heated, said cone being disposed with its axis extending substantially horizontally and in such a manner that the apex thereof is positioned approximately in the center of said conduit in the path of the products of combustion whereby a maximum rate of vaporization of the liquid in said container is maintained.

2,139,430
AGITATING TANK FOR LIQUIDS
George S. Witham, Jr., Portland, Oreg.
Application October 25, 1937, Serial No. 170,838
6 Claims. (Cl. 259—95)

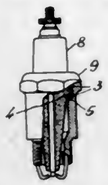


1. In a tank for materials in liquid form a "mid-feather" partition, a plurality of apertures in said "mid-feather" located near the bottom of said tank, a liquid circulating element located in each of said apertures, a pluraility of "back-falls" in the bottom of said tank located in front of said circulating elements, respectively, said "back-falls" being of different heights, whereby the liquid driven thru said apertures by said circulating elements will be directed upwardly and forwardly thru the central portion of said tank, and agitate the top surface of the liquid as well as other portions of the liquid in said tank.

2,139,431
METHOD FOR APPLYING METALLIC COATINGS TO CERAMIC BODIES
Hans Vatter, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application June 11, 1936, Serial No. 84,669
In Germany June 19, 1935
4 Claims. (Cl. 113—112)

1. The method of soldering a body having a metallic surface to a ceramic body, consisting of applying a metallic coating of iron directly to the ceramic surface of said ceramic body in the form of a finely divided powder, heating the body in an atmosphere inert with respect to the iron at a

temperature between 1220 and 1260° C. until the iron sinters to a solid and gas-tight layer, and



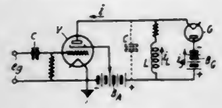
soldering said layer to said first body with hard solder.

2,139,432

OSCILLATION PRODUCING SYSTEM

Robert Andrieu, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application January 30, 1936, Serial No. 61,499
In Germany February 5, 1935
4 Claims. (Cl. 250—36)



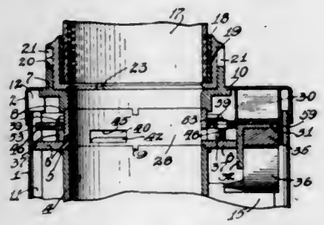
4. A circuit arrangement for developing sawtooth wave formation comprising an electron discharge tube having at least an anode, a cathode and a control electrode, an oscillatory circuit comprising an inductance, means for shunting said inductance across said anode and cathode, only one further circuit shunting said inductance, said further circuit comprising one rectifier only having at least a cathode and an anode and a source of direct electrical energy in series, said rectifier having its cathode connected to the electron discharge tube anode and said source being so poled that it opposes flow of current through said rectifier, and means for impressing on said electron discharge tube control electrode a synchronizing signal from an external source for blocking current flow through said electron discharge tube for a period of substantially one-half of the natural oscillatory period of said oscillating circuit.

2,139,433

DISPENSING MECHANISM

Rudolph Bares, Chicago, Ill., assignor to Dixie-Vortex Company, a corporation of Delaware

Original application March 12, 1934, Serial No. 715,153. Divided and this application October 8, 1934, Serial No. 747,345
2 Claims. (Cl. 312—35)



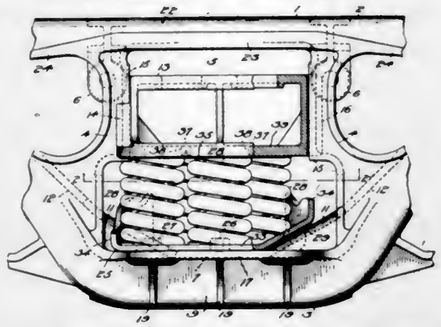
1. In a dispenser, a plurality of apparatus units assembled one upon the other in interlocked relationship, one of said units carrying complete dispensing mechanism for said dispenser, one of said units carrying a housing around said mechanism, another unit including a container for articles to be dispensed seatable in position on one of the first said units from outside said housing, and locking means accessible from within said housing and automatically operable upon the seating of said container to lock the same in position.

2,139,434

RAILWAY TRUCK

Donald S. Barrows, Rochester, N. Y., assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland

Application September 20, 1935, Serial No. 41,489
31 Claims. (Cl. 105—197)



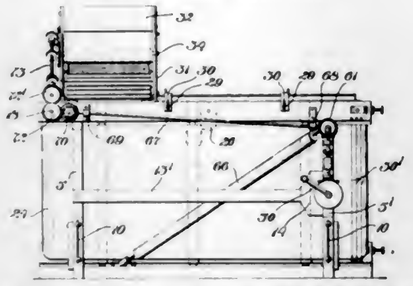
1. A side frame comprising a compression member, a tension member, struts spacing intermediate portions of said members and leaving a window opening therebetween, that portion of the tension member beneath the window opening forming a spring plank seat, said tension member outwardly of said seat comprising inclined end portions, each of which consists of upper and lower portions angularly disposed with respect to each other, the inclination of said upper portions changing at the struts so that they extend inwardly at a decreased inclination to merge with the spring plank seat adjacent the center thereof.

2,139,435

GRAIN CLEANER

Wilferd A. S. Beattie, Makaroff, Manitoba, Canada

Application October 21, 1935, Serial No. 45,959
In Canada October 22, 1934
8 Claims. (Cl. 209—114)



1. A grain cleaning machine comprising a transversely inclined traveller in the form of an endless apron having a nap surface, stringers disposed transversely to the path of travel of said apron, an obliquely disposed nap restoring roller operated by a common source of power in rotatable engagement with said traveller in association with said machine.

2,139,436

METHOD AND MEANS FOR WAVING HAIR

Michel Beck, Winnetka, Ill.

Application August 5, 1937, Serial No. 157,544
5 Claims. (Cl. 132—33)



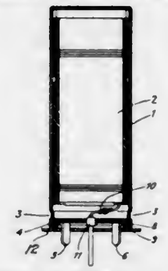
5. A rod or spindle for use in treating hair to provide a permanent wave formed of white close-grained strong textured fibrous material saturated with mineral oil.

2,139,437

ELECTROLYTIC CONDENSER

Georg Biniek, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany

Application July 12, 1935, Serial No. 30,979
In Germany August 28, 1934
2 Claims. (Cl. 175—315)



2. A container for an electrical condenser comprising a metallic cylindrical casing acting as one terminal of the condenser closed at one end and open at the other end, said casing having a depressed rim near the open end, another terminal centrally located at the open end of said casing, an insulated disc closing the open end of said casing, said insulated disc resting against said depressed rim, a mounting member for said condenser, a metallic disc having three extension members projecting inward toward the center of said metallic disc, each extension member passing through an opening in said mounting member and being twisted about a center angle on the opposite side from which said condenser is mounted for mounting said condenser independently of the other terminal on said mounting member, said metallic disc located on said insulated disc, the open end of said condenser casing being bent over to retain said insulated and metallic discs in place on said condenser.

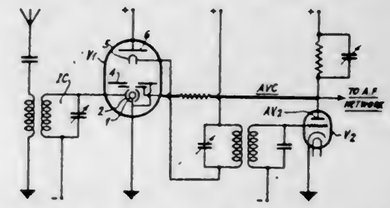
2,139,438

SIGNAL RECEIVER CIRCUIT

George Fairburn Brett, London, and George Maurice Wright, Essex, England, assignors to Radio Corporation of America, a corporation of Delaware

Application August 19, 1936, Serial No. 96,790
In Great Britain August 31, 1935
8 Claims. (Cl. 250—20)

1. In a wave transmission system, a beam tube provided with an electron emitter, a control electrode, an output electrode of substantial concavity facing the cathode, a plate of relatively wide area to the rear of the output electrode and an acceleration electrode disposed between the cathode and output electrode, said acceleration electrode being provided with an opening through which passes the electron beam from the emitter to said output electrode, a wave input circuit coupled to said control electrode, a wave output circuit coupled to the output electrode, means for



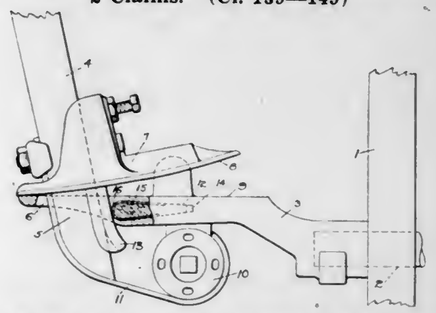
maintaining said plate and output electrode positive relative to said cathode, and means for varying the potential of said acceleration electrode thereby to control the cross-sectional area of the beam at said output electrode and thus the electrons collected by said plate.

2,139,439

LOOM PARALLEL

Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine

Application March 22, 1938, Serial No. 197,438
2 Claims. (Cl. 139—149)



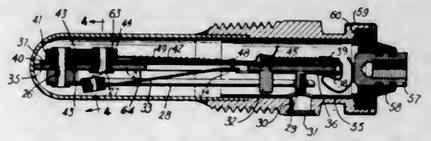
2. As an article of manufacture, a parallel plug for receiving the thrust of the lower end of a picker stick, said plug comprising a wooden body having its top and bottom sides recessed to provide a relatively thick nose and converging surfaces extending from said nose toward the opposite end of said body, said nose being covered with a steel wear plate having legs extending along and gripping said converging surfaces for holding the plate in place on said body.

2,139,440

ELECTRICAL INDICATING SYSTEM AND APPARATUS

Leonard Boddy, Ann Arbor, Mich., assignor to The Anderson Company, Gary, Ind., a corporation of Indiana

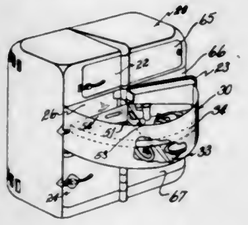
Application September 15, 1936, Serial No. 100,916
7 Claims. (Cl. 200—122)



1. A transmitter for an electrical indicating system adapted to be placed in circuit with a

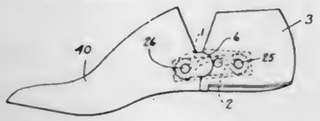
source of power and an indicating device, said transmitter comprising a heat conducting plug element adapted to contact a fluid whose temperature is to be indicated whereby the plug interior will be substantially the temperature of the fluid, a pair of bi-metallic elements in the plug, each having a free end portion differentially responsive to equal thermal change, a contact on each of the free end portions, a heating coil associated with one of said elements whereby upon engagement of the contacts current will traverse the elements and the heating coil to cause the oil heated element to disengage the contacts thereby effecting a series of current impulses whose cumulative value in a given interval is in correspondence with a given ambient temperature, and a unit detachably clipped in place adapted to divert a portion of the current around the heating coil and having a terminal adapted to connect the indicating unit in circuit with the heating coil.

2,139,441
REFRIGERATOR
Douglas C. Clarke, Mountain Lakes, N. J., assignor to Edgar Alfred Self, New York, N. Y.
Application July 1, 1933, Serial No. 678,603
21 Claims. (Cl. 62—89)



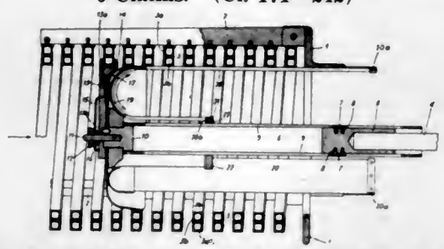
11. A refrigerator comprising means providing a plurality of superimposed non-communicating compartments, a plurality of similarly arcuate, box-like trays, having imperforate bottom walls and arcuate side walls, and means for pivoting said trays so that in one position they are within said compartments, the space within each tray being substantially as great as the respective compartment.

2,139,442
METHOD OF REMODELING LASTS
George Clausing, Portsmouth, Ohio, assignor to Vulcan Corporation, Portsmouth, Ohio
Application October 24, 1936, Serial No. 107,312
6 Claims. (Cl. 12—146)



1. The method of renewing a whole fore part in a hinged shoe last, comprising removing the fore part at the hinge, forming a hinge face upon the heel part having a transverse groove with a cross section in the form of an arc of a circle, forming a co-operating hinge face upon a rough fore block having a projection of rounded form to be received in said groove in the heel part, assembling the heel part and fore block, placing the assembled parts in a last turning lathe and cutting the fore block to conform to a selected model in the lathe.

2,139,443
VARIABLE INDUCTANCE
Henry James Craymer, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application April 25, 1936, Serial No. 76,365
In Great Britain May 11, 1935
6 Claims. (Cl. 171—242)



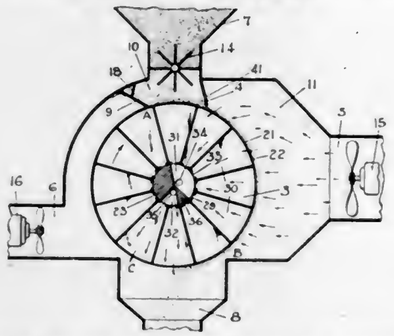
1. A variable inductance comprising a coil of fixed spaced turns, variable contact being made to said coil by contact means which engage said coil to move with and form part of a rotatable longitudinally movable arm arranged within said coil, a carrier member located within said coil, said arm being rotatable with respect to and arranged to move longitudinally with said carrier member, a plurality of strip springs within said coil, said carrier member being in turn in part carried by said strip springs bent back upon themselves and attached each at one end to a fixed part of the coil structure said springs passing through guides in said carrier member and having their other ends attached to a member which can slide longitudinally with respect to a guide coaxially arranged within the coil.

2,139,444
APPARATUS FOR MEASURING INCLINATIONS
Harold S. Davis, Belmont, Mass., assignor, by mesne assignments, to Sperry-Sun Well Surveying Company, Philadelphia, Pa., a corporation of Delaware
Application February 8, 1930, Serial No. 426,878
6 Claims. (Cl. 33—205.6)



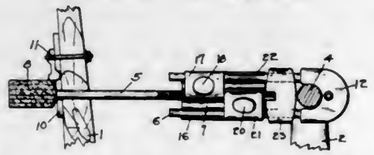
1. A device for recording inclination of a well bore, comprising a casing, a reservoir therein for holding a record making liquid, a chamber containing a surface on which a record is to be made by the liquid, means continuously open during the descent of the device into the well bore for timing the transfer of said liquid from said reservoir to the chamber, whereby a record may be made of the deviation of the bore at any point of its depth, said means comprising a restricted passage affording direct communication between said reservoir and chamber and controlling flow of liquid from the former to the latter, and means shielding the record surface from disturbances on the surface of the liquid in said chamber occasioned by the inflowing liquid.

2,139,445
METHOD AND APPARATUS FOR DRYING
Joseph G. Dinwiddie, Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 15, 1936, Serial No. 105,741
3 Claims. (Cl. 34—4)



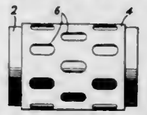
3. The process of suction drying of materials which comprises depositing the wet materials to be dried on the perforated surface of a drying element in a substantially enclosed depositing zone in which the side of the element opposite that on which the material is being deposited is maintained at a pressure substantially less than atmospheric, moving said drying element past a device for regulating the thickness of materials thereon into a drying zone in which the side of the drying element containing the material is supplied with a gaseous drying medium having an elevated temperature and the opposite side of the element is maintained at a pressure substantially less than atmospheric, and passing gaseous drying medium to said depositing zone at a point spaced from the surface of the deposited material, and maintaining the pressure of gaseous drying medium in the depositing zone substantially equal to the pressure in the drying zone whereby to prevent movement of the gaseous drying medium from the drying zone to the depositing zone past the surface of the deposited material.

2,139,446
LUG STRAP
Fredric E. Douglas, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application August 16, 1938, Serial No. 225,176
2 Claims. (Cl. 139—151)



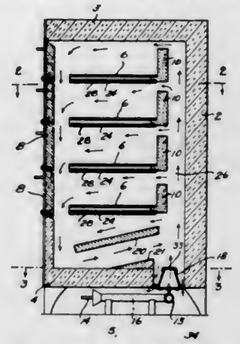
1. A loom lug strap comprising a pair of U-shaped metallic yoke members disposed in axial alignment with their respective closed ends forming the opposite ends of the lug strap, one of said members being positioned in a horizontal plane for engagement with a picker stick and the other member being positioned in a vertical plane for engagement with the pick arm and having its legs overlapping the legs of the first said member, a rigid connector block positioned between the overlapping portions of the legs of said members, said block having recesses for receiving said overlapping portions of said members, and means for clamping said portions in said recesses.

2,139,447
ELECTRIC CONDENSER
Andreas Ebinger, Berlin-Siemensstadt, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application August 23, 1935, Serial No. 37,442
In Germany September 19, 1934
8 Claims. (Cl. 175—41)



1. An electric condenser comprising a tube of ceramic material acting as the dielectric of said condenser, a metallic coat on the inner and outer surface of said tube, a margin of uncoated ceramic material at each end of said tube, a plurality of longitudinally arranged slots in both the inner and outer metallic coats, the arrangement of said slots being such that there is provided an electrostatic screen for said condenser.

2,139,448
BAKER'S OVEN
John M. Gantvoort, Bronxville Manor, N. Y.; Paul J. Miller administrator of said John M. Gantvoort, deceased
Application May 29, 1937, Serial No. 145,552
2 Claims. (Cl. 107—55)



1. A baker's oven in which a plurality of superposed baking hearths are provided and in which an insulating baffle extends from each hearth at the rear thereof to a point adjacent the hearth next above it and the baffle of the uppermost hearth extends to a point adjacent the top of the oven; in combination, a heat insulating current directing baffle between the lowermost hearth and the bottom of the oven with its rear edge adjacent to but spaced from the rear of the lowermost hearth, said hearth baffles being spaced from the rear wall of the oven to form a heat flue and an open gas burner extending

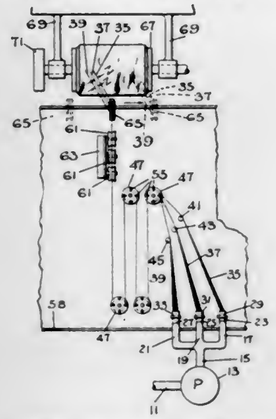
transversely of the oven at the rear thereof directly under the heat flue and outside of the oven proper.

2,139,449

METHOD AND APPARATUS FOR PRODUCING ARTIFICIAL THREAD

George M. Karns, Kenmore, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application June 3, 1936, Serial No. 83,323
14 Claims. (Cl. 18—8)



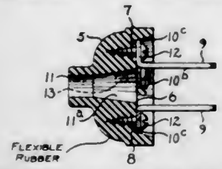
3. In an artificial thread producing apparatus, means for simultaneously forming a plurality of threads, a plurality of rotatable thread tensioning means, each of said thread tensioning means constructed and positioned to contact each of said threads, while maintaining the latter in spaced relation to each other, in such a manner as to simultaneously place tension of substantially equal amount per thread denier on all of said threads.

2,139,450

ATTACHMENT PLUG CAP OF THE SOFT-RUBBER TYPE

Francis C. Kollath, Chicago, Ill., assignor, by mesne assignments, to Belden Manufacturing Company, Chicago, Ill., a corporation of Illinois

Original application May 26, 1932, Serial No. 613,640. Divided and this application October 29, 1934, Serial No. 750,554
2 Claims. (Cl. 173—361)



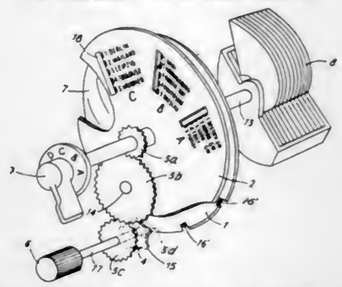
1. An electric connector comprising a one-piece molded body composed of relatively soft and flexible rubber, said body being molded free from inserts of any kind intended to afford attaching means and the same being recessed from one end thereof to provide a pair of flat seats, said body having a central opening formed therein and communicating with said seats to provide a cord passage, a pair of one-piece combined contact jack and wiring terminal members the wiring terminal portions of which are adapted to rest flatwise against the respective seats, said wiring terminal portions each having an opening formed in the end thereof, and a pair of securing screws respectively penetrating said openings, the shanks of said screws having threaded engagement with the soft rubber of said body to resiliently and removably secure said combined contact and terminal members in position.

2,139,451

DIAL FOR RADIO APPARATUS

Erwin König, Berlin-Neukoelln, Germany, assignor to Allgemeine Elektricitats Gesellschaft, Berlin, Germany, a corporation of Germany

Application October 22, 1935, Serial No. 46,111
In Germany November 7, 1934
4 Claims. (Cl. 116—124.3)



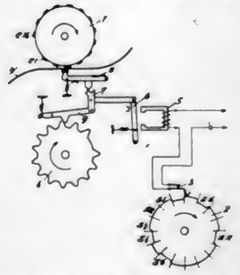
1. Means for indicating the position of a tuning shaft, comprising the combination of a disk supported by said shaft, said disk having a plurality of groups of station names marked thereon, a second disk secured to said shaft and having a separate index thereon for each group of station names, gearing connections between said disks, and a control knob mechanically connected to said second disk.

2,139,452

PRINTING TELEGRAPH RECEIVER

Friedrich Kreuzer, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany

Application August 1, 1936, Serial No. 93,827
In Germany August 23, 1935
7 Claims. (Cl. 178—30)



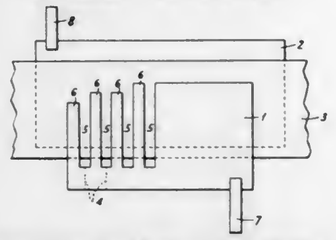
1. A printing telegraph receiver wherein complete individual signs are formed of a plurality of fractional sign elements under the control of predetermined impulse series, comprising a rotatable type wheel, a plurality of characteristic sign elements disposed peripherally on said type wheel each element representing a fraction of a complete sign to be printed, a printing tape, a rotatable wheel having peripheral teeth corresponding in number to the number of fractional sign elements on said type wheel and rotatable therewith, printing means controlled by said rotatable toothed wheel, and impulse controlled means for additionally and selectively governing the actuation of said printing means during each revolution of said type wheel and said toothed wheel to print on said tape within the identical printing space thereof a plurality of said fractional sign elements to form within said space a predetermined complete sign.

2,139,453

ELECTRIC CONDENSER

Ludwig Linder, Berlin, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, Berlin, Germany, a corporation of Germany

Application August 15, 1936, Serial No. 96,198
In Germany August 15, 1935
9 Claims. (Cl. 175—41)



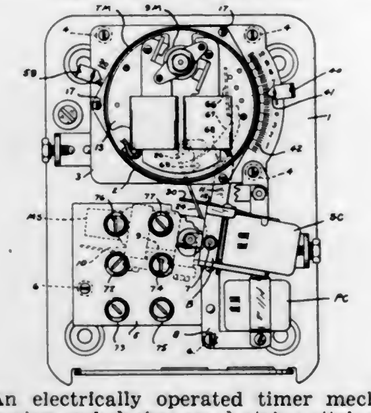
1. An electrical condenser comprising a first conducting strip, a second conducting strip, at least one end portion of said conducting strips being slotted comb-shape, an insulating member interposed between said first and second conducting strips in a manner such that the closed side of the slotted portion extends beyond said insulating strip so that the condenser capacity may be adjusted by a severence of a part of the slotted portion.

2,139,454

TIMER MECHANISM

Ira E. McCabe, Chicago, Ill.

Application July 26, 1937, Serial No. 155,649
14 Claims. (Cl. 200—38)



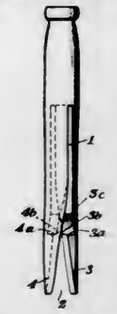
1. An electrically operated timer mechanism for opening and closing an electric switch periodically, including an electric motor, a pivoted switch operating arm, spring operated reciprocable means for mounting the pivot of the switch operating arm, cam means operated by the motor cooperating therewith to reciprocate periodically said reciprocable means against the tension of the spring and a predetermined time thereafter to free said means to the action of the spring to close the switch, said switch arm having a prolongation at one side of its pivot coacting with cam actuated means when engaged thereby to cause the arm to be rotated about its pivot to close the switch as the spring is freed to reciprocate its pivot.

2,139,455

CLOTHESPIN

James M. Merwitz, Troy, N. Y.

Application March 18, 1937, Serial No. 131,591
9 Claims. (Cl. 24—138)



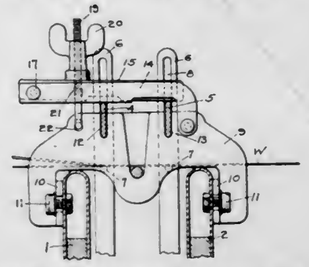
7. A clothes pin having an open ended longitudinal slot therein and spaced prongs on opposite sides of said slot, the open end portion of said slot flaring toward the end thereof and being directed askew with respect to the inner portion of the slot, said prongs being provided with opposed internal shoulders which are interposed between the aforesaid inner and open end portions of the slot, the shoulder portions of said prongs being of reduced thickness respectively toward the opposite side edges of the slot, and the inner wall portions of the prongs which are respectively adjacent said shoulders being notched to provide inclined walls inside of said shoulders which converge gradually in an inward direction to the inner portion of the slot.

2,139,456

DROP WIRE BAR SUPPORT

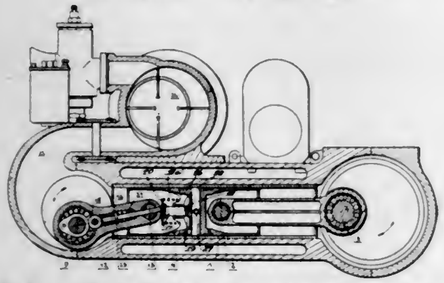
Ira W. Noyes, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine

Application September 1, 1938, Serial No. 227,921
4 Claims. (Cl. 139—369)



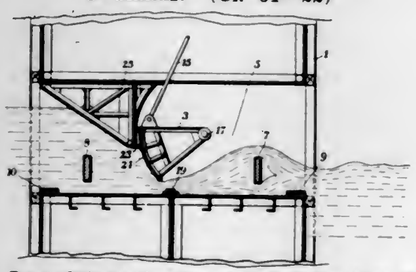
1. A drop wire bar support comprising a bracket having a pair of slots in its upper edge for receiving the drop wire bars of a loom, a clamping member supported by said bracket and adapted to engage the top of one of said drop wire bars only, a second clamping member movably mounted on the first said member and adapted to engage the top of the other drop wire bar only, and means engaging one of said members for forcing both of said members into clamping engagement with their respective drop wire bars.

2,139,457
INTERNAL COMBUSTION ENGINE
George William Patchett, Stresovice, Prague, Czechoslovakia
Application August 5, 1936, Serial No. 94,402
In Great Britain August 9, 1935
21 Claims. (Cl. 123—51)



9. In a two stroke cycle internal combustion engine, the combination of a cylinder, a working piston movable in said cylinder, a cylinder head constituted by a second piston also movable in said cylinder, means for controlling the movement of said second piston whereby said second piston is constrained to follow the movement of said working piston in said cylinder during a part at least of the operating cycle of said working piston, a valve provided in said second piston and arranged, when open, to establish communication between the interior of said cylinder between said two pistons and the exterior thereof, and timed cam-operated mechanism arranged to open said valve at an appropriate moment during the cycle of operation of said working piston.

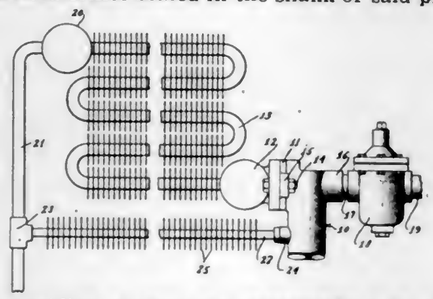
2,139,458
SLUICE GATE
Friedrich Wilhelm Peilert, Magdeburg, Germany, assignor to the firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany
Application December 16, 1937, Serial No. 180,194
In Germany January 18, 1937
3 Claims. (Cl. 61—22)



1. In a sluice gate, means defining a flow channel, means including a movable hatch for stopping said flow channel, and means for dissipating the kinetic energy of the water flowing through the channel, comprising a buffer beam and a sill extending across the channel at different distances from said hatch, said sill standing up from the floor of the channel and said buffer beam being located above the floor of the channel.

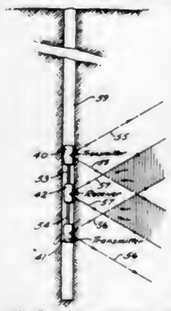
2,139,459
OIL SEPARATOR FOR EVAPORATORS
Ralph F. Peo, Buffalo, N. Y., assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application November 16, 1935, Serial No. 50,086
4 Claims. (Cl. 62—115)

1. An oil separator for refrigerating systems comprising a housing defining an enlarged chamber in the top portion thereof, inlet and outlet openings in comunication with the top of said chamber, a plug having a hollow shank inserted through the bottom of said housing and extending into the chamber therein, means defining a restricted orifice seated in the shank of said plug



for providing a restricted passageway from the chamber in the housing to the hollow opening in the plug, an opening in the side wall of said shank, an outlet pipe near the bottom of said housing in communication with the opening in the shank of said plug, and means for sealing said plug in said housing.

2,139,460
MEANS AND METHOD FOR GEOPHYSICAL PROSPECTING
Gennady Potapenko, Pasadena, Calif., assignor to Geo-Frequenta Corporation, a corporation of Delaware
Application July 6, 1936, Serial No. 89,055
17 Claims. (Cl. 175—182)

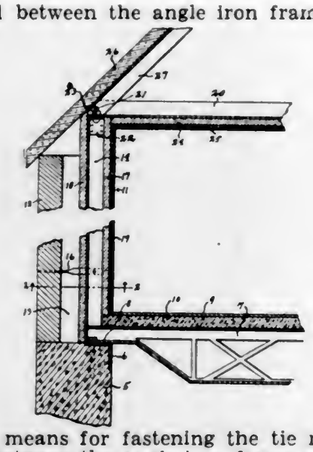


1. A method of determining the presence of a substance having a selective effect with respect to frequency of an imposed electric field which includes simultaneously subjecting the same part of said substance to two electric fields of different frequency, and simultaneously measuring the effect of said substance upon said electric fields of different frequency, whereby are largely eliminated errors in the relative effect due to variable spurious factors.

2,139,461
HOLLOW WALL BUILDING CONSTRUCTION
William A. Pride, Medford, Mass.
Application September 16, 1937, Serial No. 164,091
5 Claims. (Cl. 72—1)

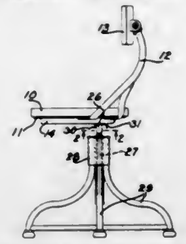
1. A building wall comprising an inner wall and an outer wall providing an air ventilating space, said inner wall being formed of pairs of angle iron frame members arranged with their abutting flanges placed face to face, a strip of wood interposed between the angle iron members, tie members having one of their ends connected to the outer wall and the opposite end

connected between the angle iron frame mem-



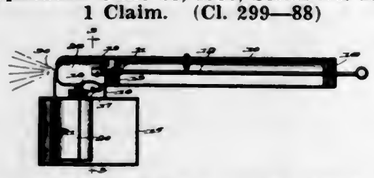
bers and means for fastening the tie members in place between the angle iron frame members.

2,139,462
REVOLVING CHAIR
Chester A. Purdy, Hinsdale, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 5, 1938, Serial No. 194,048
6 Claims. (Cl. 155—95)



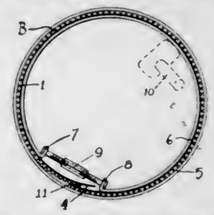
1. A revolving chair comprising a supporting means, an internally threaded member secured to said supporting means, a spindle having a threaded lower portion engaging the threads in said member, a bearing mounted on said spindle, a seat rotatably supported on said bearing, a projection extending from the seat, and a second projection on the spindle for engaging the first projection during rotation of the seat and causing the spindle to turn in the threaded member.

2,139,463
VAPORIZER
Paul O. Ritcher and Robert K. Calfee, Lexington, Ky., assignors to University of Kentucky, Lexington, Ky.
Application June 26, 1937, Serial No. 150,588
1 Claim. (Cl. 299—88)



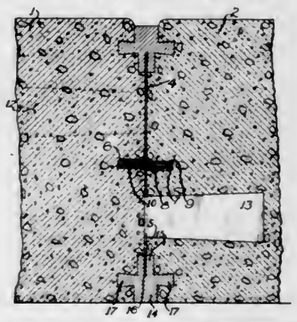
A sprayer comprising a tubular casing, a pump chamber at one end of the casing, an air chamber apertured at its forward end and disposed at the opposite end of the casing and a check valve between said chambers, an air reservoir in communication with said air chamber and having disposed therein a fluid container, a suction tube projecting from inside the fluid container to a position adjacent the aperture of said air chamber, said air reservoir being adapted to supply air to said air chamber during the suction stroke of the piston whereby to effect a uniform and continuous spraying of liquid, and having a neck portion interconnecting it with the air chamber, and a baffle disposed in said neck portion to retard the flow of air between the air chamber and air reservoir.

2,139,464
METHOD OF GAUGING CENTRIFUGAL LININGS
Eugene Roberts, Hastings, N. Y., assignor to The Western States Machine Company, New York, N. Y., a corporation of Utah
Application March 1, 1937, Serial No. 128,397
5 Claims. (Cl. 29—148)



1. The method of gauging centrifugal linings having integral protuberances adapted to project between the lining and the inside wall of a centrifugal basket when placed in use, which comprises placing a strip of the lining material inside a cylindrical surface the radius of which is identical with the radius of the basket, with the protuberances extending toward the surface, pressing substantially the entire strip firmly and uniformly against the surface, pounding the strip while maintaining it pressed thereagainst to locate it with respect to the surface as it would be located with respect to the basket under the influence of the highest centrifugal force encountered in actual use, removing the strip from said surface, and finishing the strip for accurate registration of its marginal portions in accordance with their relative positions when located as aforesaid.

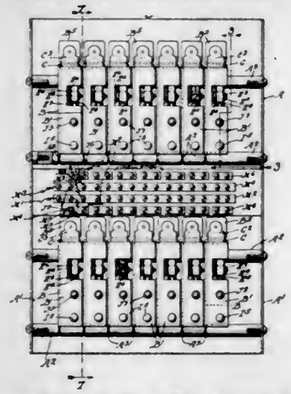
2,139,465
CONTRACTION JOINT WITH PERIPHERAL SEAL
Robert R. Robertson, Chicago, Ill., assignor to The Translode Joint Company, Chicago Heights, Ill., a corporation of Illinois
Application September 28, 1936, Serial No. 102,909
7 Claims. (Cl. 94—18)



1. A contraction joint forming mechanism for

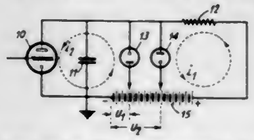
embedding between concrete road slabs and comprising a metal body section, and a premolded compressible and expansible peripheral seal engaged around the top, bottom and end margins of the body section, and anchoring ribs integrally formed on the sides of the seal and embedded in the concrete road slabs to cause widening of the seal with the contraction of the concrete road slabs.

2,139,466
ANNUNCIATOR
Arch D. Rollins, Chicago, Ill., assignor, by mesne assignments, to Temporator Company, Chicago, Ill., a corporation of Illinois
Original application November 6, 1926, Serial No. 146,613. Divided and this application September 15, 1934, Serial No. 744,232
3 Claims. (Cl. 177—326)



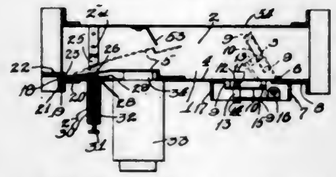
3. In a central station for grouped annunciators, a supporting structure including a plurality of spaced longitudinally extending bars provided with a plurality of sets of transversely aligned slots, there being at least three of said bars, two of said bars being positioned to lie in a common substantially horizontal plane and another of said bars being disposed above said plane and rearwardly of said other bars, and an indicating unit removably supported upon said bars, said unit including a side plate having an edge thereof exposed on two adjacent sides thereof and dimensioned to fit snugly within the slots of said bars whereby to definitely locate the unit upon the supporting structure.

2,139,467
SERRATED WAVE FORM GENERATOR
Hans O. Roosenstein, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application October 30, 1936, Serial No. 108,425
In Germany November 4, 1935
9 Claims. (Cl. 250—36)



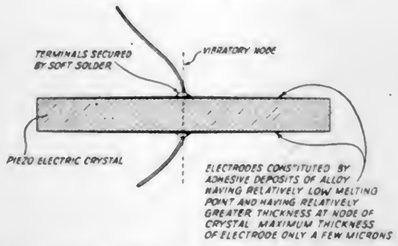
1. An apparatus for producing a serrated wave form comprising a condenser, means for linearly charging said condenser, a normally blocked discharge path for said condenser, means for unblocking said discharge path upon receipt of triggering impulses, and a plurality of biased rectifiers connected in parallel with said condenser.

2,139,468
MAGNETIC SEPARATOR
William Rose, Chicago, Ill., assignor to B. F. Gump Co., Chicago, Ill., a corporation of Illinois
Application May 6, 1936, Serial No. 78,094
9 Claims. (Cl. 209—228)



1. In a magnetic separator, a chute through which material is adapted to pass, said chute having side walls, a magnetizable plate hinged in the bottom of the chute for upward tilting movement and adapted for attracting metals, electromagnetic means acting upon said plate for magnetizing the same, yielding means acting upon said plate for tilting the forward end of the same upwardly when said electromagnetic means is de-energized and stops upon the side walls of said chute for arresting the upward tilting movement of said plate, and jarring the same for dislocating the metals clinging thereto, said chute having a trap door opening in advance of said plate, said plate discharging the metals over its free edge for falling thru said trap door opening.

2,139,469
PIEZOELECTRIC CRYSTAL ELECTRODE AND METHOD OF FORMING THE SAME
Herbert Sachse, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application January 27, 1937, Serial No. 122,577
In Germany January 27, 1936
6 Claims. (Cl. 171—327)

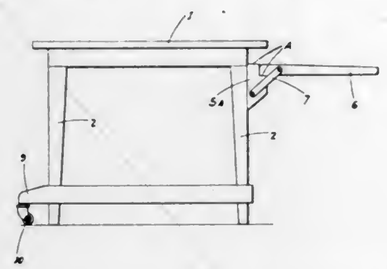


6. A piezo-electric device having a crystal and electrodes therefor composed of soft solder metal selected from a group consisting of lead, tin, cadmium, antimony and zinc, said metal being adheringly deposited upon the crystal and each electrode having a maximum thickness adjacent a nodal point of the crystal and a minimum thickness at the edges of the metallic deposit.

2,139,470
PORTABLE LOAD SUPPORTING STRUCTURE
Theodore G. Schmeiser, Fresno, Calif.
Application June 21, 1937, Serial No. 149,449
2 Claims. (Cl. 280—53)

1. In a portable load supporting structure having a pair of transversely spaced substantially vertical members, said members having outwardly and upwardly facing abutments adjacent their upper ends, a pair of handles, and

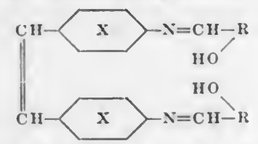
means pivoting the handles in operative connection with the members whereby the handles may be swung from a depending position below



the members to a substantially horizontal position with the ends of the handles engaged in said abutments, each member including a plurality of stepped abutments.

2,139,471
METAL AZOMETHINE COMPOUNDS
Karl Schmidt, Cologne-Muhlheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application July 28, 1937, Serial No. 156,141. In Germany August 6, 1936
7 Claims. (Cl. 260—11)

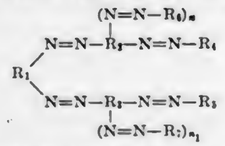
1. As new products the metal compounds of compounds of the following general formula:



wherein R stands for an arylene radical, in which the hydroxyl group stands in o-position to the azomethine group and at least one of the benzene nuclei designated by **X** contains a sulfonic acid group.

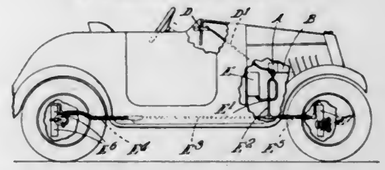
2,139,472
AZO DYESTUFFS
Friedrich Schubert, Leverkusen, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application September 11, 1936, Serial No. 100,317. In Germany October 25, 1935
7 Claims. (Cl. 260—144)

1. Poly-azodyestuffs of the general formula:



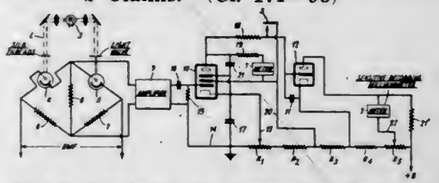
wherein R_1 stands for a member of the group consisting of monocyclic aryl radicals, such radicals substituted by benzoyl-amino and such radicals substituted by sulfonated phenyl, R_2 and R_3 stand for radicals of coupling components capable of being coupled at least twice with diazo compounds, R_4, R_5, R_6, and R_7 stand for radicals of diazotization components and n and n_1 stand for one of the numbers zero and 1, dyeing leather in general brown shades of good fastness to acids and alkalies.

2,139,473
HYDRAULIC JACKING SYSTEM FOR VEHICLES
Donald Wilfred Sessions, Willesden, London, England
Application November 19, 1935, Serial No. 50,531
In Great Britain October 16, 1935
3 Claims. (Cl. 60—52)



1. A jacking system for permanent attachment to a vehicle comprising a pump having a pump body and pump means including a pump spindle in the pump body, a source of fluid supply connected to the intake side of said pump, hydraulically operated lifting jacks, pipe communications between the jacks and the delivery side of the pump, a release valve mounted within the pump body and adapted to release the fluid pressure supplied to the jacks, an electric motor for driving the pump and fixed to the pump coaxially with said spindle so that the pump body has a substantially continuous appearance with respect to the motor casing, a make and break device in the motor circuit and carried by the pump body, a movable member mounted in the pump body and connected to the release valve and to the make and break device, and a device for transferring manual force exerted by the driver to the said movable member so as simultaneously to close the valve and the make and break device, whereby the pumping means is driven and fluid pressure supplied to at least one of the jacks.

2,139,474
INTEGRATION INDICATING CIRCUIT
Francis H. Shepard, Jr., Rutherford, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 23, 1936, Serial No. 117,420
2 Claims. (Cl. 171—95)

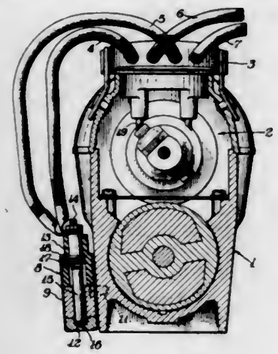


2. In an apparatus for measuring the sum of the squares of a current amplitude integrated over a predetermined time interval, an electron discharge device which has a square law characteristic relating input and output current, means impressing said current upon said device, a condenser connected to the output circuit of said device whereby the condenser is charged with the output current of said device, and means for translating the instantaneous potential value across the condenser into an indication of said sum.

2,139,475
HIGH TENSION IGNITION SYSTEM
Tullio Tognola, Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application June 10, 1937, Serial No. 147,537
7 Claims. (Cl. 123—148)

1. In an ignition system, a high tension gener-

ator, means for conducting discharges therefrom to ignite an internal combustion engine, and



means including a resistor for dissipating superfluous discharges of the generator.

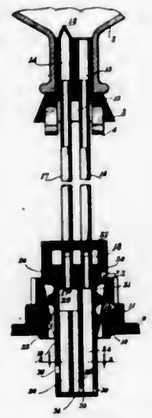
2,139,476
AUTOMATIC BATTERY FILLING DEVICE
Thomas T. Townsend, New York, N. Y.
Application March 30, 1937, Serial No. 133,751
10 Claims. (Cl. 137—68)



5. A control member for automatically controlling the flow of water from a reservoir to a battery cell, said member being adapted to be supported in a battery cell and formed with water supply and air inlet passageways, said member having a narrow slanting slot near its lower end intersecting said air inlet passageway and forming closely opposed lips extending in a direction transverse to the longitudinal axis of said control member for a distance considerably greater than the distance between the lips, one end of said slot extending above the intersection of said slot and said air passageway, said water supply passageway being opened to the space within the battery cell below said intersection.

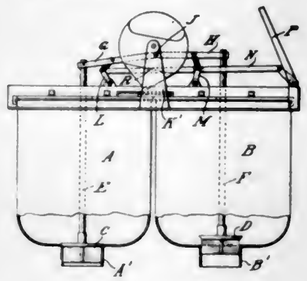
2,139,477
AUTOMATIC BATTERY FILLING DEVICE
Thomas T. Townsend, New York, N. Y.
Application March 30, 1937, Serial No. 133,752
6 Claims. (Cl. 137—68)

1. In apparatus of the character described, a control member having separate air and water passageways having independent connection with a water reservoir, the water passageway having a discharge port adjacent to the bottom of the control member, the air passageway having an air chamber and having two branches below said air chamber both connected therewith, one



branch having an air inlet opening in its side at a point removed from the bottom of the control member and the other having a water vent adjacent the bottom of the control member opening into the lower end of the water passageway.

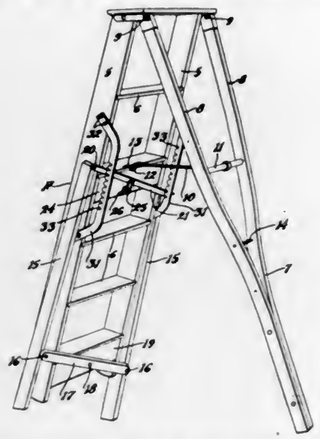
2,139,478
MEASURING MECHANISM
Lester J. Williams, Canastota, N. Y., assignor to Carl Braun, Inc., Canastota, N. Y., a corporation of New York
Application June 23, 1936, Serial No. 86,745
2 Claims. (Cl. 137—21)



1. Apparatus for receiving and discharging fluids, comprising a plurality of receptacles having adjacent inlet orifices, a single apertured slidably mounted cover for said orifices, a rockable hopper adapted to discharge into any one of said receptacles, the discharge end of said hopper, communicating with the aperture of the cover and adapted to slide the latter during rocking motion.

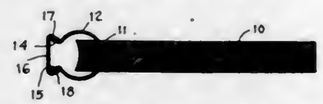
2,139,479
ADJUSTABLE LADDER
Harvey C. Wertz, Beaver Falls, Pa.
Application August 6, 1938, Serial No. 223,485
7 Claims. (Cl. 228—63)

4. In an adjustable ladder having a step frame, spaced cross bars pivoted on said frame, and supporting legs pivoted to said cross bars, means for locking said legs in adjusted position, said means including a locking bar secured to the frame, and a spring urging one of said cross bars away from



said frame and into locking engagement with said locking bar.

2,139,480
LOOSE LEAF BINDER
John Wesley Young, Jamaica, N. Y.
Application July 10, 1935, Serial No. 30,648
2 Claims. (Cl. 129—1)



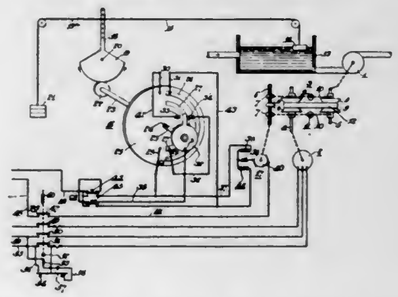
1. A loose leaf binder formed from sheet metal and comprising a longitudinally-extending side bar provided on its inner edge with integral outwardly-extending bands, said bar also being provided on its outer edge with an integral outwardly-extending tongue, said bands being provided on their outer ends with outwardly-extending tongues, and a channeled plate engaged over said tongues.

2,139,481
SUSPENDER HOLDER
Stephen Apostoluk and Frank R. Prina, New York, N. Y.; said Prina assignor to New York Clasp Corporation
Application May 13, 1938, Serial No. 207,661
1 Claim. (Cl. 24—250)



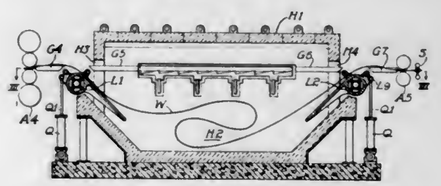
A suspender holder comprising an outer jaw engaging one side of a piece of material and having side walls at its top end formed with openings, an inner jaw for engaging the other side of said piece of material and having side walls at its top and disposed adjacent said side walls, said side walls on said inner jaw having openings in aligned positions with said openings, a loop member for a suspender strap having side portions extending along the outer faces of the outer of said side walls and end portions engaging into said openings in said side walls, means for pivotally supporting said jaws at their top ends, and said openings being shaped to lock the jaws together when the loop member is vertical and to cause the jaws to open when the loop member is pivoted from the vertical plan, and means for locking the loop member in vertical position, said means comprising projecting portions from the top of the inner jaw member and complementary hook lock extensions projecting from the loop members to engage the said projecting portions.

2,139,482
ELECTRICAL CONTROL SYSTEM
Frederick W. Atz, Jr., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill., a corporation of Illinois
Application January 4, 1937, Serial No. 118,969
17 Claims. (Cl. 74—230.17)



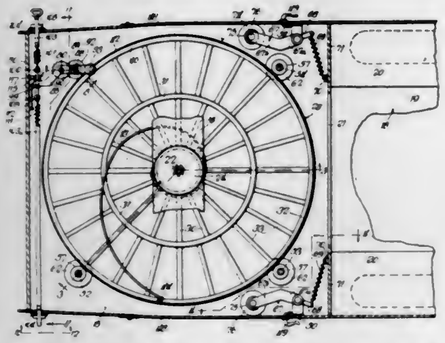
1. In a control system for a variable speed transmission including a driving member, a member driven thereby, and means adjustable to vary the speed ratio of said members and comprising a detector element movable in response to change in speed of said driven member, and a reversible motor for actuating said adjustable means, a reversing switch for said motor comprising contact structure reversing its circuit-controlling position as said detector element passes through a neutral position, and other contact structure reversing its circuit-controlling position upon reversal of movement of said detector element.

2,139,483
METHOD OF ROLLING FLAT MATERIAL
Stephen Badlam, Rosslyn Farms, Pa.
Application July 2, 1935, Serial No. 29,480
16 Claims. (Cl. 80—2)



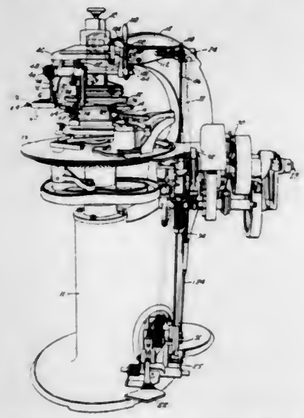
15. A method of forming hot rolled strip which includes the steps of heating a piece of ferrous material to hot rolling temperature, passing the piece so heated through a reheating furnace as it leaves an intermediate roll stand and moves toward a following roll stand, operating such following stand at a lower speed than the intermediate stand delivering to such furnace, whereby successive length elements of the piece are heated for progressively increasing periods of time from the leading to the trailing end of the piece, and the piece is then subjected to further hot reduction as it moves through said following stand.

2,139,484
FIRE HOSE TRUCK
Cassius M. Clay Baird, Chicago, Ill.
Application August 5, 1937, Serial No. 157,495
9 Claims. (Cl. 242—88)



4. In a hose truck, a body comprising a hose compartment, a plurality of coaxial hose reels mounted in said compartment for independent rotation and confined against relative radial movement, a driven shaft, and means for selectively driving said reels in hose winding direction from said shaft comprising rotatably mounted members driven from said shaft normally out of driving relation to said reels and movable about said shaft into driving relation to the respective reels.

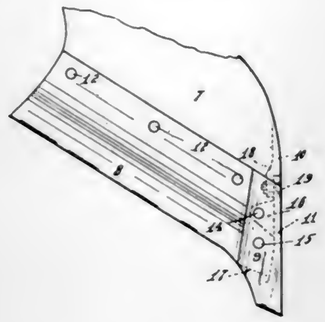
2,139,485
CUTTING MACHINE
Frederic E. Bertrand, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application November 5, 1937, Serial No. 172,997
31 Claims. (Cl. 12—25)



1. In a cutting machine, a pattern, a movable carrier, and a work-gage movable upon the carrier and positioned thereon in the direction of movement of said carrier upon contact with the pattern.

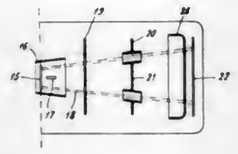
2,139,486
PLOW POINT ATTACHMENT
Harry G. Bolkcom, Minneapolis, Minn.
Application December 31, 1936, Serial No. 118,519
8 Claims. (Cl. 97—125)

8. A removable point for a plow having in its land side a long slot of substantially a constant width for receiving substantially the entire land



side end of a plow share, and means whereby the point may be detachably secured to a plow.

2,139,487
ELECTRIC DISCHARGE TUBE
Albert Bouwers, Eindhoven, Netherlands, assignor to N. V. Philips Gloeilampenfabrieken, Eindhoven, Netherlands
Application June 12, 1935, Serial No. 26,231
In Germany May 18, 1934
5 Claims. (Cl. 250—150)

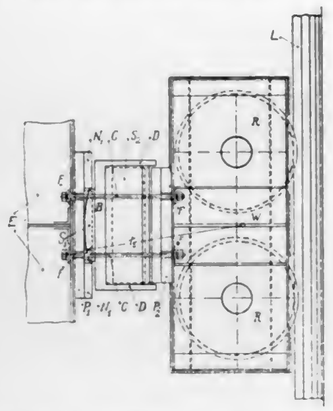


4. An electron discharge tube comprising an electron source, means at least partially surrounding said electron source for concentrating said electrons, means co-operating with and immediately adjacent to the electron concentrating means for developing from said concentration of electrons a plurality of separate and independent electron beam formations, means for accelerating the flow of electrons in said electron beam formations, said accelerating means being located adjacent said beam forming means, target means for collecting the electrons from said beam formations, and means positioned adjacent said target means for preventing reaction of the target means upon the electron beam formations.

2,139,488
ROLLER SLUICE BEARING STRUCTURE
Paul Cicin, Vienna, Austria
Application July 3, 1937, Serial No. 151,828
In Austria July 14, 1936
3 Claims. (Cl. 61—28)

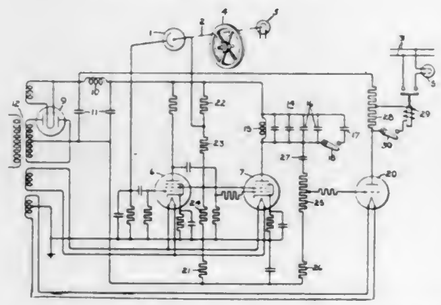
1. In a bearing structure for a roller sluice, in combination with the end-frame thereof, the roll-carriage and an abutment-plate secured thereto, a box-like body open at one end, a pressure-transmitting abutment member having opposed curved bearing faces being disposed within said box-like body and bearing with its one curved bearing face against said abutment-plate and with its other curved bearing face against the plane inner bottom surface of said box-like body,

and an intermediate pressure transmitting plate secured to said end frame and bearing against a



convex surface provided on the outside of the bottom of said box-like body.

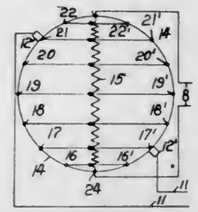
2,139,489
FREQUENCY RESPONSIVE RELAY
William D. Cockrell, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 27, 1936, Serial No. 98,190
5 Claims. (Cl. 250—41.5)



1. Frequency responsive relay apparatus comprising an electron discharge amplifier, means for supplying a frequency to the input circuit thereof, said amplifier having a substantially constant output, a resonant circuit in the output circuit of said amplifier, a grid controlled vapor electric discharge device and means connecting the grid circuit of said device across said amplifier for selecting the point on the resonance curve of said resonant circuit at which said vapor device will begin to pass current.

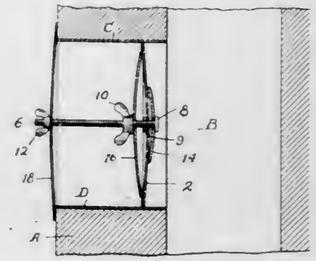
2,139,490
REMOTE CONTROL SYSTEM
William T. Cooke, Pelham Manor, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application October 31, 1935, Serial No. 47,725
3 Claims. (Cl. 172—239)

1. In a remote positional control system for moving objects in synchronism, a controlled object, a controlling object, an A. C. motor having reversing windings for driving said controlled object, and control means for said motor comprising a commutator, a resistor having complementary resistor elements connected together at one end and having corresponding points thereof connected to corresponding points on opposite sides of said commutator, shiftable brushes engaging said commutator and electrically con-



nected respectively to said reversing windings, the shifting of said brushes over said commutator determining the magnitude and direction of the torque produced by said motor, and differential means operated from said controlling and controlled objects for shifting said brushes over said commutator.

2,139,491
FLUE STOP AND FIRE CHECK
Isaac L. Dawson, Lawrence, Kans.
Application December 11, 1937, Serial No. 179,311
6 Claims. (Cl. 126—319)

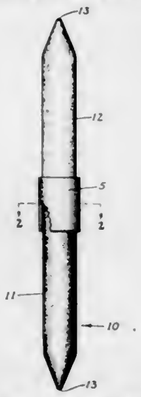


2. A device of the character described comprising an expansible concavo-convex disc having an axial opening and adapted to be placed in the lateral opening of a chimney-flue, a circular member having an axial opening and engaging the convex surface of said disc, a circular member having an axial opening and engaging the concave surface of the disc, a threaded element extending through said axial openings, and adjustable means on said element adapted to coact therewith in forcing the members tightly against the disc thereby expanding the same firmly into engagement with the surrounding wall of the lateral opening.

2,139,492
MEANS FOR COLORING PHOTOGRAPHS, PRINTS, LANTERN SLIDES, POSITIVE TRANSPARENCIES, AND THE LIKE
Paul Fidelman, New York, N. Y.
Application August 20, 1937, Serial No. 160,121
5 Claims. (Cl. 91—62.5)

1. A non-abrasive coloring implement for use in coloring photographs and the like, particularly those having a glossy surface, comprising a self-sustaining stick of fibrous material capable of absorbing moisture, said stick being impregnated with an aniline dye in absorbed condition soluble

in water and capable of penetrating the glossy surface of the object to be colored, whereby said

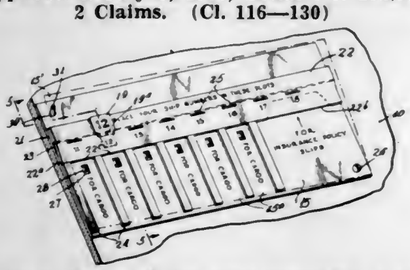


stick may be used in the manner of a painting brush simply by dipping it in water.

2,139,493

BOAT GAME INDICATOR

Burr D. Field, Freeport, N. Y.
Application July 8, 1937, Serial No. 152,506
2 Claims. (Cl. 116—130)

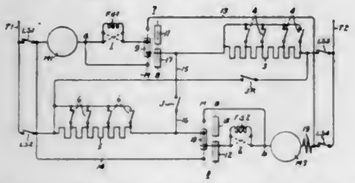


1. In a device of the class described, a game board, a score board pivotally mounted thereon and formed with openings and shoulders adjacent said openings, hooks projecting from said game board through the said openings, blocks engageable on said score board against said shoulders and having bottom recesses into which said hooks may project, pins mounted in said recesses and engageable with said hooks for holding said blocks in a certain pivoted position of said score board, and means for holding said score board in said latter position.

2,139,494

ELECTRIC MOTOR CONTROL SYSTEM

William Train Gray, Altrincham, England, assignor to General Electric Company, a corporation of New York
Application October 30, 1937, Serial No. 172,014
In Great Britain October 31, 1936
5 Claims. (Cl. 172—179)

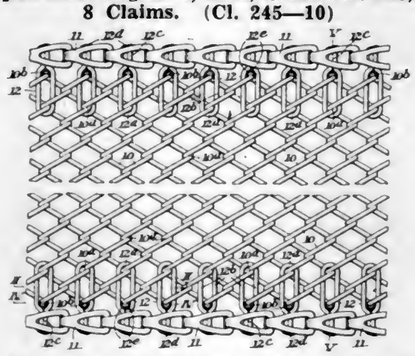


5. The combination with two electric motors, each provided with a series field winding, of a resistance for each of said motors, switching means for connecting said motors in series with each other and in series with said resistances, said switching means including a series switch directly joining said resistances, means for excluding said resistances to accelerate said motors, a bridging switch for connecting said motors directly in series with each other, switching means for connecting each of said resistances in circuit with its respective motor, whereupon said bridging switch is opened to establish parallel connections for said motors, switching means for transferring the connection of each resistance from one side to the other of the field winding of its associated motor and for connecting said one side of each field winding to the armature of the other motor, and switching means for connecting each of said armatures in a closed circuit with the field winding of the other armature, said closed circuit being completed by a common connection through which the currents generated by the two motors acting as generators for dynamic braking flow in the same direction, said common connection including said resistances connected in series with each other through said series switch.

2,139,495

WIRE FABRIC BELT STRUCTURE

Raymond J. Guba, Philadelphia, Pa., assignor to Audubon Wire Cloth Corporation, Philadelphia, Pa., a corporation of New Jersey
Application August 4, 1938, Serial No. 223,075
8 Claims. (Cl. 245—10)

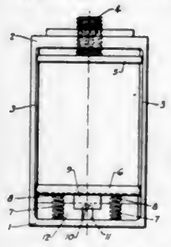


1. A wire fabric belt structure comprising helically coiled wires in interconnected relation with pairs of said wires connected at their ends, a chain of interconnected links adjacent the marginal edge of the wire fabric, and separate looped connectors in engagement with interconnected bights of pairs of the belt wires and permanently attached to the chain links.

2,139,496

COMPENSATING DENTAL PRESS

Edward Handler, Irvington, N. J.
Application October 7, 1936, Serial No. 104,406
5 Claims. (Cl. 18—33)



1. In a compensating dental press a fixed support, a bearing plate, means for yieldably supporting said bearing plate on said support, said means comprising a plurality of pins projecting downward of such bearing plate and a coil compression spring positioned on each pin, a clevis member centrally disposed and projecting downward of said bearing plate, a vertical flange member projecting upward of the fixed support, said vertical flange having a slotted opening therethrough and a pin passing through the clevis member and the slot in said flange.

2,139,497

COPPER ALLOY

Franz R. Hensel and Earl I. Larsen, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Application April 20, 1937, Serial No. 137,987
3 Claims. (Cl. 75—160)

1. An alloy composed of—

	Per cent
Iron	.1 –5
Cobalt	.1 –5
Silicon	.05–5
Beryllium	.05–2.5
Copper	Balance

2,139,498

PROCESS OF SEPARATING PRECIOUS METALS FROM NONPRECIOUS METALS IN METAL BEARING EARTH

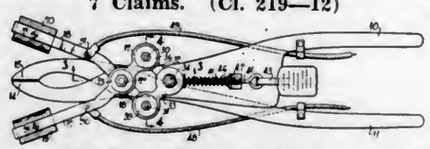
Ernest Hey, Seattle, Wash., and Franklin H. Hunsicker, Oakland, Calif., assignors of forty-five percent to said Hey, ten percent to said Hunsicker, and forty-five percent to Robert Dixon, Oakland, Calif.
No Drawing. Application June 17, 1937, Serial No. 148,728
8 Claims. (Cl. 75—83)

1. The method of treating metal bearing earth that contains not less than about 15% iron, by weight, for separating the precious metals therein from the impurities comprising the step of adding an oxidizing agent containing chlorine to said earth, then melting the mixture together with siliceous material for causing substantial silication of the impurities and substantial reduction of the precious metals to their elements.

2,139,499

SOLDERING AND WELDING TOOL

John W. Howie, near Charlotte, N. C., assignor of forty per cent to James J. Pierce, Charlotte, N. C.
Application October 9, 1936, Serial No. 104,867
7 Claims. (Cl. 219—12)

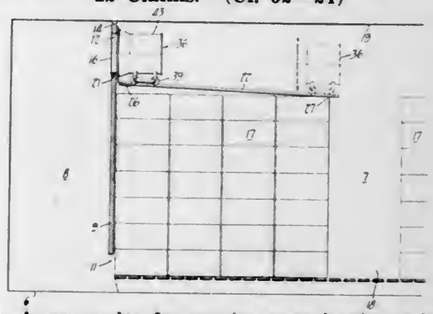


1. In a tool for soldering, welding and the like, a pair of clamping members pivotally secured to each other intermediate their ends and crossing each other at their pivot points to provide a pair of handle members on one end and a pair of clamping members for a work piece on their other ends, electrical heating means pivotally mounted on said clamping members and having means engageable by the same hand which is holding said handle members for moving said electrical heating means into contact with a workpiece held by the clamping members.

2,139,500

CAR COOLER

George Hughes, Lodi, Calif., assignor to The Union Ice Company, San Francisco, Calif., a corporation of California
Application November 20, 1937, Serial No. 175,657
12 Claims. (Cl. 62—24)

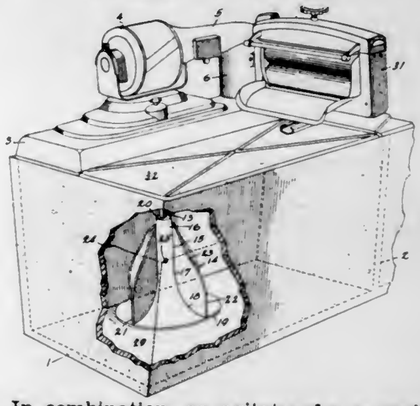


1. A car cooler for use in a car having a load compartment, an ice compartment and a bulkhead wall defining a bunker opening between said compartments comprising a closure adapted to overlie said opening, means for supporting said closure for movement toward and away from said opening, and means on said closure for establishing a difference in pressure on opposite sides thereof for urging said closure to overlie said opening.

2,139,501

AGITATING MEANS FOR WASHING MACHINES

Merlin M. Jackson, San Jose, Calif., assignor to Little Giant Inc., Ltd., Oakland, Calif., a corporation of California
Application October 31, 1936, Serial No. 108,634
2 Claims. (Cl. 68—132)



2. In combination, an agitator for a washing machine having a hub section and a hollow section projecting therefrom, a shaft adapted to be inserted into the hub section through the hollow section, and a pin slidable transversely in the shaft and engageable with abutment means in said hub section for limiting the movement through the hub, the pin being retained in the shaft by the wall of the hollow section.

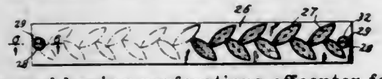
2,139,502

NOVELTY APPLIQUÉD TIEBACK FOR CURTAINS

Aram Jamgochian, New York, N. Y.
Application December 24, 1936, Serial No. 117,444
3 Claims. (Cl. 156—33)

1. A novelty tieback for curtains comprising a

strip, a small casing mounted through an end of said strip and having open sides, and a disc element adjustably mounted within each of said



casings and having perforations offcenter for the passage of nails or the like to support the strip at desired inclinations.

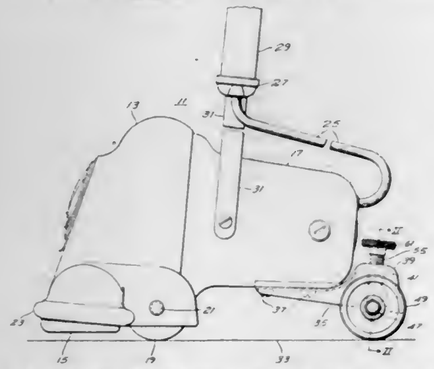
2,139,503

VACUUM CLEANER CARRIAGE

Richard H. Jordan, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 10, 1935, Serial No. 15,589

3 Claims. (Cl. 16—19)



1. A rearwardly extending carriage for a vacuum cleaner or the like secured to the housing thereof and comprising a transversely-extending wheeled shaft adjustably supported in the carriage, and interacting means respectively located in the carriage and the wheeled shaft to permit relative vertical and limited swivelling movements thereof.

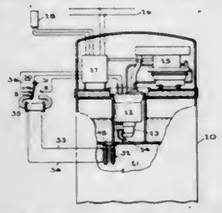
2,139,504

THERMAL RESPONSIVE CONTROL MECHANISM

William J. King, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application October 23, 1934, Serial No. 749,566

16 Claims. (Cl. 158—28)



1. The combination with an electrically operated fuel burning apparatus and electro-responsive switch control mechanism including an operating winding therefor, of a thermocouple having both the thermojunctions thereof arranged to be heated simultaneously by combustion of the fuel, the thermocouple being electrically connected to energize the operating winding of said switch mechanism by means of the thermo-electric currents produced therein and the two thermojunctions having respectively different rates of change in the thermo-electric effect produced therein upon the initiation and termination of combustion of the fuel.

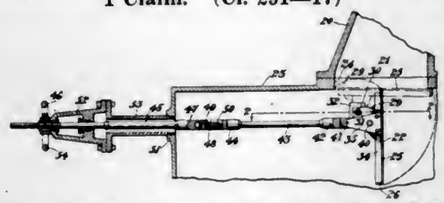
2,139,505

DAMPER

John Kirgan, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application August 6, 1937, Serial No. 157,677

1 Claim. (Cl. 251—17)



In a device for controlling the flow of fluid comprising walls defining a port, a pivotal mounting exterior of the port, a port damper plate pivotally supported on said pivotal mounting and movable within the planes of said walls to simultaneously open the port on opposite sides of the damper plate, and means to move the damper plate from a position closing the port to a position exterior of the port and substantially perpendicular to the closing position to open the port comprising a lever bar extending from said plate, a rod, a clevis on the rod pivotally secured to the lever bar, a second clevis having a bifurcated portion on the rod, a lever longitudinally movable along its axis and having its axis substantially parallel to the damper plate in its closing position, a third clevis on said movable rod having its bifurcated portion arranged at right angles to the bifurcated portion of said second clevis, a bar extending into and pivotally secured to the second and third clevises to provide a universal joint between said rod and said movable lever, threads on the longitudinally movable lever, a rotatable handle having threads cooperated with said threads to move said movable lever longitudinally upon rotation, and a guide bushing for said handle to prevent longitudinal movement of the handle along the movable lever.

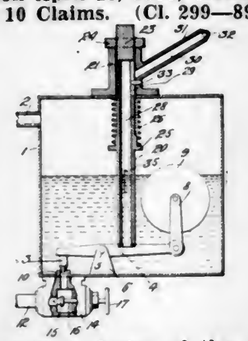
2,139,506

ATOMIZING DEVICE

William Richard Kuzelka, New York, N. Y.

Application April 18, 1936, Serial No. 75,127

10 Claims. (Cl. 299—89)



5. An atomizing device of the character described comprising a container, means for supplying liquid to said container, means to introduce fluid under pressure into the container to effect the atomizing of the liquid, an injector member having an internal chamber and provided with intake means from the container to the chamber, said intake means having an effective length longitudinally of said injector member in substantial excess of its width and positioned to extend above and below the level of the liquid in the container, means to adjust the intake means relative to the liquid level and a discharge nozzle having a reduced outlet opening directly communicating with the injector member chamber.

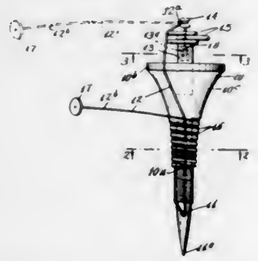
2,139,507

SPINNING TOP

Nathan Laing, New York, N. Y.

Application September 4, 1937, Serial No. 162,443

2 Claims. (Cl. 46—66)



1. A spinning top, comprising a top body having a bottom peg upon which it may spin when suitably thrown with a cord wound on said body, a stem axially mounted on the top of said body, a pin mounted on said stem, and several buttons, adapted to rattle, mounted on said pin, said buttons being constructed of bone or other noise making material and being provided with a means for eccentrically holding said buttons in position upon said pin.

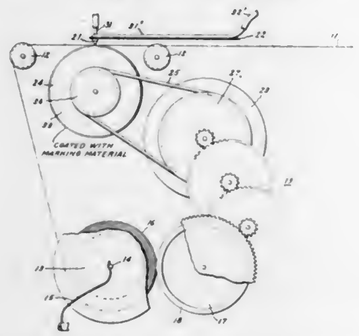
2,139,508

AIR JET RECORDER

Fredrick S. Marcellus, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application June 17, 1936, Serial No. 85,723

1 Claim. (Cl. 234—70)



In apparatus for producing linear markings on a traveling sheet having a marking member supported on one side of a traveling sheet, a nozzle mounted in proximity to the marking member for directing a stream of gas against said sheet and pressing the portion of the sheet impinged by said gas stream lightly against the surface of the marking member.

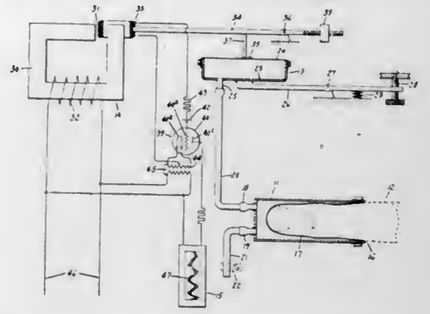
2,139,509

RECORDER

Fredrick S. Marcellus, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application September 12, 1936, Serial No. 100,528

2 Claims. (Cl. 128—2.05)



1. A pulse indicator, comprising in combination a cup for receiving an extremity of the body with a flexible sac therein shutting the mouth of the cup and means responsive to variations in pneumatic pressure, said cup having an opening with a tube connection to said pressure responsive means.

2. In apparatus for indicating minute movements comprising a core composed of magnetizable material having a straight portion and a return path portion extending from one end of the straight portion to a point spaced from a side of said straight portion at the other end thereof to form an air gap, a primary winding linking said core, and a secondary winding around the straight portion of said core, for connection to current responsive apparatus, said secondary winding being mounted to move along said straight portion in response to movements to be indicated, being positioned partly within and partly beyond said air gap, and having an axial length greater than the extent of movements to be indicated by the apparatus.

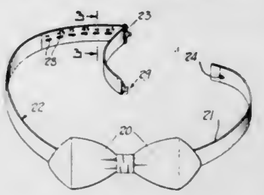
2,139,510

FASTENER FOR THE NECKBAND PORTIONS OF NECKTIES

William Mayer, New York, N. Y.

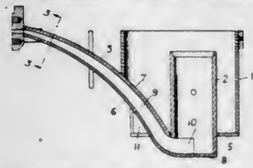
Application June 24, 1938, Serial No. 215,543

6 Claims. (Cl. 2—155)



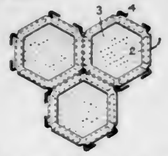
1. In a necktie, a tubular neckband portion having a closed end with an aperture therein, and a fastener carried by said neckband portion, said fastener comprising a relatively narrow shank projecting through said aperture, an enlarged rear end on said shank completely enclosed within said neckband portion to secure the fastener against withdrawal, and a cross-piece carried by the shank ahead of said closed end to prevent the fastener from slipping rearwardly into said neckband portion.

2,139,511
CRUCIBLE FOR SLUG CASTING MACHINES AND METHOD OF MAKING SAME
Clay E. Murray, Davenport, Iowa, assignor to Linograph Corporation, Davenport, Iowa, a corporation of Delaware
Application July 12, 1937, Serial No. 153,190
2 Claims. (Cl. 29—148.2)



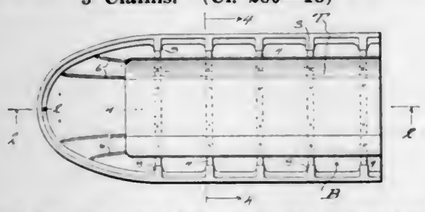
2. In the art of making crucibles for type casting, those steps which comprise cutting a piece of steel tubing into the necessary form for a well, cutting a blank from a steel plate of a size and form to be shaped into a pot, shaping the pot, cutting strips of steel into shapes to be assembled and constitute a throat, assembling and welding the throat, cutting out a piece of sheet steel to constitute the bottom of the pot, assembling and welding the throat and well, assembling the pot bottom with the throat-well structure and welding them together, assembling the pot with the previously assembled structure and welding the parts together in leak-proof relation.

2,139,512
ORNAMENTAL MESH FABRIC
Boris A. Nagorny, New York, N. Y., assignor of forty per cent to Elmon C. Gillette and nine per cent to John P. Nikonow, both of New York, N. Y.
Application January 22, 1938, Serial No. 186,362
1 Claim. (Cl. 63—2)



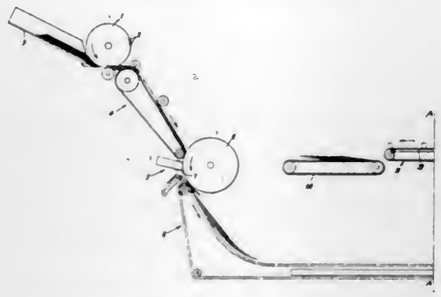
An ornamental mesh fabric comprising a plurality of pieces of sheet material with central apertures, the pieces having bent over straight edges around their peripheries, ornamental plates covering the apertures and clamped against the pieces by the bent over edges, and wire loops hingedly engaging the bent over edges and connecting together all the edges of one piece with the abutting edges of the adjacent pieces.

2,139,513
SPORT SLED
William J. Nelson and Elmer A. Leiding, Orr, Minn.
Application April 12, 1938, Serial No. 201,621
5 Claims. (Cl. 280—18)



5. A sled of the class described comprising a bottom plate having its under surface transversely curved to allow said bottom plate to have transverse rocking movement, the marginal portions of the plate being returned, said returned portions at longitudinally spaced points thereabout being formed to provide saddles, cross sills extending transversely of the plate and having their extremities engaged within the saddles, and a top mounted upon the cross sills.

2,139,514
ENVELOPE MACHINE
Abraham Novick, Flushing, N. Y., assignor to F. L. Smithe Machine Co., Inc., New York, N. Y., a corporation of New York
Application August 3, 1931, Serial No. 554,704
Renewed November 13, 1937
10 Claims. (Cl. 93—62)



1. In a machine for making envelopes, in combination, a fan-out feeder, a fan-out gummer for gumming the sealing flaps of envelope blanks, a drier, all of said instrumentalities disposed in an outgoing stretch of the machine, and a return stretch comprising a spacing feeder, side flap gumming means, side flap folding means, means for turning the blanks, bottom flap gumming means and bottom flap folding means.

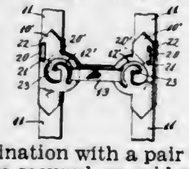
2,139,515
ALLOYS FOR ADDITION TO IRON AND STEEL
George L. Norris, Scarsdale, N. Y., assignor to Vanadium Corporation of America, Bridgeville, Pa., a corporation of Delaware
No Drawing. Application April 25, 1938, Serial No. 204,190
3 Claims. (Cl. 75—58)

1. An alloy for addition to iron and steel, containing about 25% to 60% silicon, about 5% to 25% titanium, about 5% to 25% zirconium, the sum of the silicon, titanium and zirconium not exceeding 85%, and not over about 4.0% carbon, the remainder being principally iron.

2,139,516
ALLOYS FOR ADDITION TO IRON AND STEEL
George L. Norris, Scarsdale, N. Y., assignor to Vanadium Corporation of America, Bridgeville, Pa., a corporation of Delaware
No Drawing. Application April 25, 1938, Serial No. 204,191
4 Claims. (Cl. 75—58)

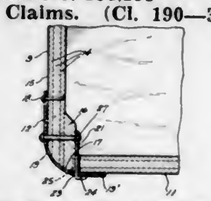
1. An alloy for addition to iron and steel, containing about 10% to 50% silicon, about 5% to 25% titanium, about 5% to 25% zirconium, about 5% to 25% aluminum, the sum of the silicon, titanium, zirconium and aluminum not exceeding 90%, and not over about 10.0% carbon, the remainder being principally iron.

2,139,517
SUSPENDERS
Frank R. Prina, New York, N. Y., assignor to New York Clasp Corporation
Application May 21, 1937, Serial No. 143,914
Renewed August 24, 1938
2 Claims. (Cl. 241—19)



1. In combination with a pair of parallel straps, rigid elements secured on said straps at positions transverse of the longitudinal lengths of said straps, and having spiral shaped slots with the curves opposed to each other, and a band engaging through said slots, said band being capable of being slipped through the various turns of said spiral shaped slot, and means for holding said band in said turns.

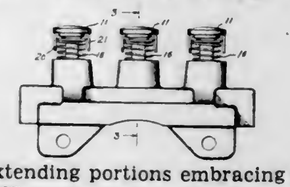
2,139,518
TRUNK ANGLE CONSTRUCTION
Julius Ritter, Jr., Racine, Wis., assignor to Hartmann Trunk Company, Racine, Wis., a corporation of Wisconsin
Continuation of application Serial No. 45,527, October 18, 1935. This application September 16, 1937, Serial No. 164,193
2 Claims. (Cl. 190—37)



1. In combination with a swingable container wall, an angular non-metallic finishing corner strip along a free edge portion of said wall, one portion of the strip being flatly against an outer face portion of the wall and another portion of the strip extending beyond the edge of the wall and at an inwardly directed angle, the latter portion of the strip having an inherent tendency to straighten into the plane of the other portion of the strip, securing means between the first portion of the strip and the wall, a separate securing member having its shank portion extended through the latter portion of the strip and secured to the wall, and a relatively large head on the outer end of said shank overlying a portion of the strip and directed toward the free edge of the latter portion of the strip and engaging the same in a manner to overcome the straightening tendency thereof.

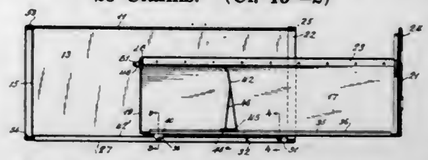
2,139,519
ELECTRIC SWITCH
Richard H. Schmitt, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 23, 1937, Serial No. 155,275
3 Claims. (Cl. 200—166)

1. In an electric switch, a bridging contact member provided with an aperture, a supporting post for said contact member loosely fitting in said aperture, said post being provided with oppositely disposed grooves at one end, spring means biasing said contact member toward the end of said post, and a forked member fitting in said grooves and forming a stop for said contact member, said forked member being provided with



laterally extending portions embracing said contact member.

2,139,520
COLLAPSIBLE FILE
Sol Scheinman, White Plains, and Jacob Mandel, Brooklyn, N. Y.
Application April 19, 1935, Serial No. 17,218
23 Claims. (Cl. 45—2)



5. A file comprising a collapsible drawer member and a collapsible casing member made at least in large part of paper material, a metallic trackway attached to the bottom wall of the drawer member, a friction-reducing element on the bottom wall of the casing member arranged for cooperation with said trackway, and a follower element interengaging with said trackway and adapted to slide therealong.

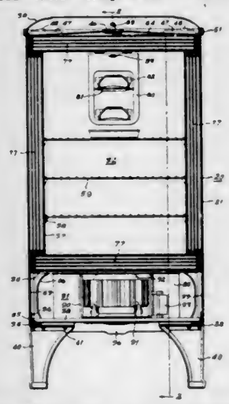
9. A file comprising a collapsible drawer member and a collapsible casing member made at least in large part of paper material, and means attached to a wall of one of said members and arranged for cooperation with the other member for holding the rear of the drawer member against upward tilting movement throughout substantially the whole range of the movement of the drawer member, said means being substantially flush with the surface of said walls and thereby not substantially increasing the thickness of the member in the collapsed condition.

16. A file comprising a collapsible drawer member and a collapsible casing member made at least in large part of paper material, a metallic trackway replacing a portion of the bottom paper wall of each of said members and connected to the spaced edges of the wall and forming the joint therebetween, and roller mechanism attached to each bottom wall and engaging the trackway of the other member to facilitate movement of the drawer within the casing member.

2,139,521
REFRIGERATING APPARATUS
Edmund F. Schweller, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio a corporation of Delaware
Application December 27, 1933, Serial No. 704,153
8 Claims. (Cl. 220—9)

1. A cabinet including vertical outer sheet metal walls extending around a space to be enclosed, said sheet metal walls being provided with a door opening therein having its center point displaced in a vertical direction from the mid point between the upper and lower extremities of the outer walls, transverse sheet metal partition walls within said outer sheet metal walls spaced substantially an equal distance in opposite directions from the edges of said door opening to provide an enclosed space between the

sheet metal partition walls and a second space within said outer sheet metal walls adjacent one of said partition walls and the first mentioned enclosed space, said outer sheet metal walls having an open portion adjacent said second space, said partition wall adjacent said second space



being provided with its own individual supporting means upon sides other than the side having the open portion separate from said outer sheet metal walls but extending through said second space to and being fastened only to the extremity of said outer sheet metal walls adjacent said second space.

2,139,522

WELDING FLUXES

Thomas C. R. Shepherd, Hale Barns, England, assignor to General Electric Company, a corporation of New York

No Drawing. Application September 1, 1937, Serial No. 162,058. In Great Britain September 17, 1936

7 Claims. (Cl. 219—8)

1. A flux for use in arc welding including 5–20% by weight of an alloy of magnesium associated with nickel and a carbonaceous substance which in the presence of the welding arc produces a shielding atmosphere, said alloy having a composition of about 10 per cent magnesium and about 90 per cent nickel.

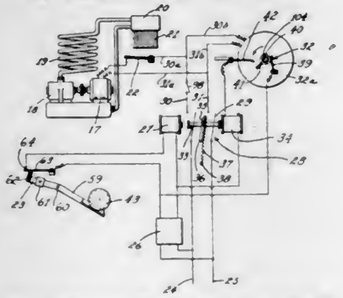
2,139,523

COIN CONTROLLED REFRIGERATING MECHANISM

Hugh R. Smith, Los Angeles, Calif., assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware

Application August 2, 1930, Serial No. 472,699

20 Claims. (Cl. 194—9)



1. In combination with an electrically operated mechanism and a source of current supply, controlling mechanism therefor including: a timing device, a switch member rotated by said timing device, a second switch member adapted to be moved into and away from operative relation with said first switch member, means for positioning said second switch member, connecting mechanism associated with said timing device and said second switch member adapted to move said second switch member into operative relation with said first switch member, electrical contacts controlled by said switch member, a connection to the electrically operated mechanism and the source of current supply, whereby closing of said contacts will control said mechanism, and coin actuated mechanism initiating the operation of said controlling mechanism responsive to the depositing of a coin therein.

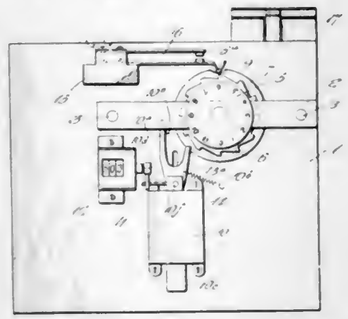
2,139,524

AUTOMATIC COIN CONTROLLED TIME REGISTERING ELECTRIC SWITCH

Hugh R. Smith, Los Angeles, Calif., assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware

Application July 15, 1931, Serial No. 550,988

26 Claims. (Cl. 194—9)



1. In an automatic time controlled coin operated electric switch, a frame structure, a main switch, switch actuating mechanism journaled in said frame structure, a coin actuated switch, a pair of oppositely pitched ratchet wheels operatively associated with said switch actuating mechanism, a starting solenoid including a shiftable pawl adapted to actuate one of said ratchet wheels under control of impulses governed by the operation of said coin actuated switch, a driving motor initiated in movement by the closing of said main switch, and tension mechanism periodically actuated by said driving motor for restoring said switch actuating mechanism to initial position and opening said main switch.

2,139,525

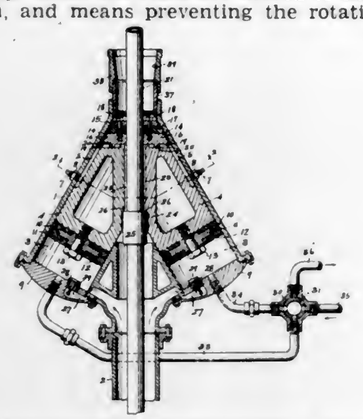
BLOW-OUT PREVENTER

Owens C. Snell, Houston, Tex., assignor of forty per cent to R. R. Ratliff, Houston, Tex.

Application March 12, 1935, Serial No. 10,640

2 Claims. (Cl. 251—51)

1. A blowout preventer comprising a housing adapted to be connected to an outer pipe in a well and having a passageway therethrough for an inner pipe, cylinders in the housing, rams in the cylinders movable into active and inactive positions, a packing assembly formed of complemental sections having a dove-tailed connection with the rams and which are radially movable into position to form a seal between the housing and inner pipe when the rams are in active position, and movable into spaced relation with the inner pipe when the rams are moved to inactive position, and means preventing the rotation of



the rams in the cylinders but allowing the longitudinal movement of the rams relative to the cylinders.

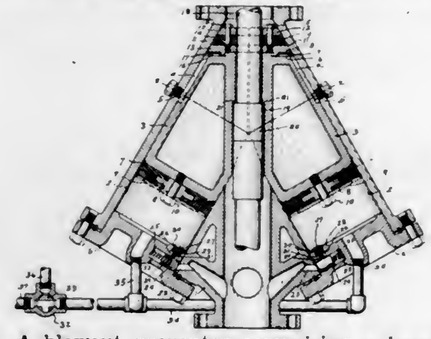
2,139,526

BLOW-OUT PREVENTER

Owens C. Snell, Houston, Tex.

Application November 10, 1936, Serial No. 110,127

2 Claims. (Cl. 137—139)



1. A blowout preventer comprising a housing having a vertical passageway therethrough for an inner pipe, said housing having cylinders, rams in the cylinders movable into active and into inactive positions, said rams being shaped to fit closely about the inner pipe when in active position, said housing having a passageway leading from the interior thereof into each cylinder, each cylinder having a bore and a plunger yieldingly mounted in the bore and having an inlet duct leading from the bore into the cylinder, an inwardly opening back pressure valve normally closing said duct, said plunger being mounted to be moved by the pressure of fluid from within the housing into position to clear the duct to permit the entrance of the pressure fluid into the cylinder and means for relieving the fluid from the cylinders to actuate the rams by suction into inactive position spaced away from the inner pipe.

2,139,527

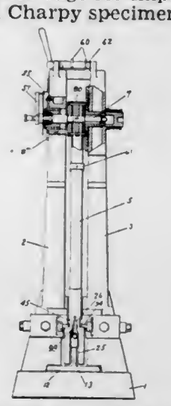
IMPACT TESTING MACHINE

Alfred Sonntag, Moline, Ill., assignor, by mesne assignments, to American Machine and Metals, Inc., New York, N. Y., a corporation of Delaware

Application December 9, 1935, Serial No. 53,451

4 Claims. (Cl. 265—13)

1. An impact-testing machine including in combination a frame, a specimen-breaking hammer comprising a pendulum rotatably mounted on the frame, means in the path of swing of the pendulum for supporting an Izod specimen anvil, other means also in the path of swing of the pendulum for supporting a Charpy specimen anvil, the bob of said pendulum having passageways for clearing both said supports and anvils, whereby either type of test may be performed without interference from the other support and anvil and said bob having means for removably and interchangeably supporting a centrally disposed knife with a horizontal edge for impacting the vertically disposed Izod specimen and having a centrally disposed knife with a vertical edge for impacting the horizontally disposed Charpy specimen.



4. An impact-testing machine including in combination a frame, a pendulum rotatably mounted in said frame, means for supporting impact specimens in the path of swing of the pendulum, and a brake for damping the travel of the pendulum comprising friction means having wear surfaces independent of and acting at the axis of the pendulum and normally disengaged from the pendulum and manually operable means for selectively engaging the brake and the pendulum, whereby wear on the brake does not alter the momentum of the pendulum.

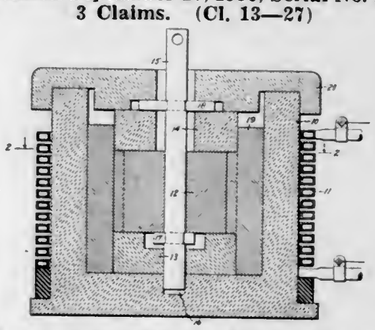
2,139,528

ELECTRIC INDUCTION FURNACE

Numan R. Stansel, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application September 17, 1936, Serial No. 101,284

3 Claims. (Cl. 13—27)



1. An electric induction furnace for heating the surface of a metal object comprising a receptacle for a body of molten lead, means for supporting the object to be heated in a central position in said receptacle, said receptacle being of such size as to provide a space around said

object for molten lead, and a primary winding surrounding said receptacle arranged to be energized with a current having a frequency up to 1,000 cycles per second for inducing heating currents in the molten lead, the thickness of said space in a direction radial of said primary winding being substantially three times the equivalent depth of magnetic penetration whereby the lead acts as a magnetic shield to exclude from the object the magnetic flux set up by said winding and whereby a vigorous flow of the molten lead by electro-dynamic action is produced across the surface of the object to effect a rapid transfer of heat to the surface of the object.

2,139,529

PROCESS OF TREATING PALLADIUM

Johann S. Streicher, Newark, N. J., assignor to The American Platinum Works, Newark, N. J., a corporation of New Jersey

Application September 15, 1934, Serial No. 744,180

14 Claims. (Cl. 148—4)



1. The herein described process which consists in subjecting compact palladium having a clean surface to an activating treatment consisting of repeated hydrogen sorption at a temperature below 70° C. alternating with the discharge of the sorbed hydrogen by thermic action until by such repeated sorption and discharge of the hydrogen the metal is activated to such a state that the hydrogen-palladium compounds after the last sorption have become pyrophoric.

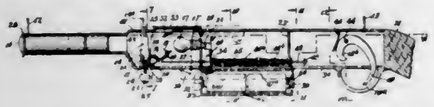
2,139,530

ELECTRIC EYE RIFLE

Jean E. Vivaudou, New York, N. Y.

Application June 14, 1937, Serial No. 148,244

4 Claims. (Cl. 273—101.2)



1. In a toy rifle, a hollow gun butt having a gun barrel connected therewith, a frame adjustably mounted within said gun butt, a removable target film for said frame, a lens in said barrel in front of said film and a light in said butt and in back of said film for forming an image of said target on a wall or other substantially flat surface, a front sight on said gun barrel and a rear sight on said gun butt, an upwardly extending gun sight on said frame and projecting through an enlarged top opening in said gun butt and being located between said sights, means for adjusting said frame to properly locate said gun sight between said sights to align said gun barrel with the bull's eye of the image of the target on said wall, and means operable upon the releasing of the gun's trigger to punch a hole in said film to show the accuracy of one's aim when the light passes therethrough, said adjustable mounting of said frame comprising, a pair of walls transversely mounted across the lower half of said barrel, and a support strip freely mounted between said walls and being adapted to support said frame in various adjusted positions.

2,139,531

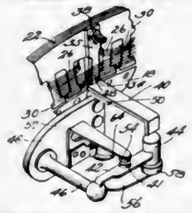
CUT-OUT FOR SPLIT PHASE MOTORS

Raymond E. Wedge and Oliver C. Turner, Kansas City, Mo.; said Oliver C. Turner assignor to Elder B. Switzer, Kansas City, Mo.

Application July 8, 1935, Serial No. 30,246

Renewed March 14, 1938

1 Claim. (Cl. 172—279)



In a split phase motor having a stator frame provided with a plurality of radially disposed teeth arranged in an annular path circumscribing the longitudinal axis of the motor, a starting winding divided into coils supported by said teeth, a running winding divided into coils supported by said teeth, a rotor magnetically associated with all of said windings, and conductors extending from a source of power to said starting and running windings, the combination of a switch structure, mounted on the stator frame and adapted to cut out the starting windings when the magnetic flux of the stator frame decreases to a predetermined point, comprising a radially extending member of magnetic material secured to one of the teeth of said stator frame at the peripheral center of one of said running winding coils and between two of said starting winding coils; a plate of insulating material secured to said member; a switch point carried by the said plate of insulating material; a resilient switch member anchored at one end to said plate of insulating material and having a weight serving as a pole member at the other end thereof, said weight being in proximity to the said radially extending member but normally held away therefrom by the said resilient switch member; a yieldable stop on the said plate to limit the movement of said weight away from the radially extending member of magnetic material; and a contact point on the resilient switch member movable against and from the first mentioned contact point as the said weight is actuated through the change in magnitude of the magnetic flux in said radially extending member.

2,139,532

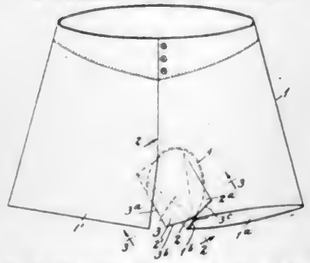
MAN'S GARMENT

Hyman Westerman, San Francisco, Calif.

Application June 3, 1935, Serial No. 24,682

Renewed May 7, 1938

3 Claims. (Cl. 128—159)



1. A man's garment comprising a body portion and leg portions separated by a crotch, one of the leg portions at the upper end thereof and adjacent to but below the crotch at a segmental portion of said leg near the front thereof being provided with a pair of outwardly-extending and oppositely-disposed pleats having substantially the conformation of right triangles with their hypotenuses inclining in opposite directions to provide therebetween an angular opening converging toward the bottom of the garment leg and communicating with the interior of said garment leg to produce a suspensory pocket.

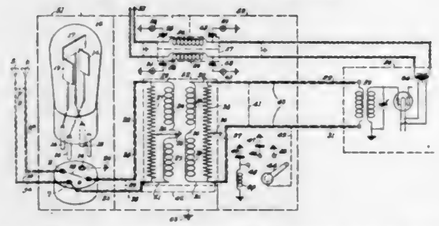
2,139,533

ELIMINATION OF ATMOSPHERIC RADIO DISTURBANCES

Samuel M. Whisk, Brooklyn, N. Y.

Application August 25, 1937, Serial No. 160,775

9 Claims. (Cl. 250—20)



9. In atmospheric radio disturbance elimination, a dual antenna system including shielded antenna leads, a low resistance discharge tube connected therewith, an all-wave radio frequency transformer having reversely wound primary and secondary sections, shielded input and output connections for said transformer and adjustable grounding potentiometers bridged across said reversely wound primary and secondary sections.

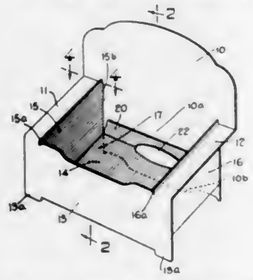
2,139,534

DISPLAY RECEPTACLE

Marshall I. Williamson, Edgewater, N. J.

Application April 23, 1936, Serial No. 75,926

12 Claims. (Cl. 206—44)



1. In a display receptacle formed of sheet material and collapsible from set-up status to a flat storage or shipping status, a bin structure comprising a back wall, side-arms extending forwardly from the lateral sides of said back wall and spaced apart upwardly from the bottom of same, said side-arms defining therebetween a display-aperture, a front wall extending downwardly from the forward ends of said side-arms, a bottom panel extending backwardly from the lower end of said front panel and secured to said back panel, and side walls extending upwardly from respective lateral sides of said bottom panel and disposed in engagement with the inner edges of said side-arms, said side walls being capable of collapse inwardly toward one another in effecting collapse of the display receptacle as an entirety.

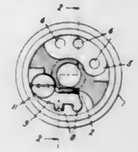
2,139,535

ELECTRICAL CONNECTER

William R. Young, Fairfield, Conn., assignor to General Electric Company, a corporation of New York

Application January 25, 1936, Serial No. 60,867

6 Claims. (Cl. 173—361)



3. An electrical connecter comprising a body of insulating material having a cavity therein, a terminal having a prong forced into said cavity and frictionally held therein, said prong being of V-shaped section and engaging said cavity at the point of the V and at the edges of the prong and the sides of the V being flexed by the pressure exerted on its edges whereby the edges are forced into tight engagement with the cavity.

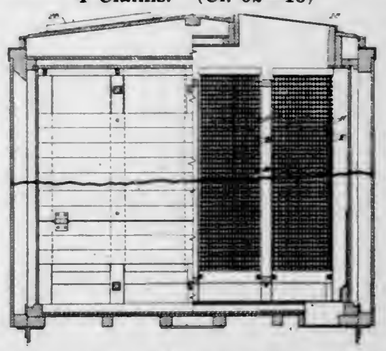
2,139,536

REFRIGERATOR CAR ICE BASKET

Edward Zane, Chicago, Ill., assignor to Union Railway Equipment Company, Chicago, Ill., a corporation of South Dakota

Application November 6, 1936, Serial No. 109,450

4 Claims. (Cl. 62—15)



1. A removable ice basket for refrigerator cars or the like, of rectangular form and having foraminous walls on each of its four sides, and having at an intermediate position an inwardly projecting supporting member secured to each of said walls, and a rectangular foraminous shelf hinged at one edge to the adjacent wall of the basket and adapted when lowered to horizontal position to rest upon said supporting members along each of its four edges and adapted when elevated to stand in parallel adjacent relation to the basket wall to which the shelf is hinged.

2,139,537

FILM WIPER

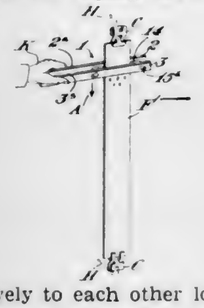
Charles S. Bassin, Newton, Mass., assignor to New England Theatres, Inc., Boston, Mass., a corporation of Delaware

Application April 22, 1938, Serial No. 203,711

8 Claims. (Cl. 95—89)

1. A film-wiping device comprising a holder having spaced openings therein, an elongate removable wiper pad threaded through said openings to expose a film-wiping surface at the inner side of the holder, and means for holding the wiping surface of the pad in intimate contact with

the film while the wiping device and film are



moved relatively to each other longitudinally of the film.

2,139,538

CHROMIUM ALLOY STEEL TUBE

Frederick M. Becket, New York, and Russell Franks, Jackson Heights, Long Island, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application May 24, 1934, Serial No. 727,280
4 Claims. (Cl. 148—12)

1. Chromium alloy ferritic steel seamless tube characterized by extreme ductility and a Brinell hardness number between about 100 and 200, and having substantially the composition: 3% to 30% chromium, a carbon content not over about 0.3%, titanium at least twice the carbon content but not exceeding four times the carbon content by more than 1% of the steel, part of the titanium being replaceable by columbium, the remainder being chiefly iron; which tube has been formed at temperatures initially above 1000° C. but below the melting point thereof, rapidly cooled from the forming temperature, and subsequently annealed for a time from a few minutes to not over two hours at a temperature above 750° C. and then rapidly cooled.

3. Method of making soft and ductile chromium alloy ferritic steel hot-wrought articles having a Brinell hardness number between 100 and 200 which comprises hot-forming, at temperatures initially between 1000° C. and the melting point, an alloy steel having substantially the composition: 3% to 30% chromium, carbon in an amount not over 0.3%, titanium in an amount at least twice the carbon content but not exceeding four times the carbon content by more than 1% of the steel, part of the titanium being replaceable by columbium, and the remainder principally iron; rapidly cooling the article from the forming temperature; subsequently annealing the article for a time from a few minutes to not over two hours at a temperature above 750° C.; and then rapidly cooling the article from the annealing temperature.

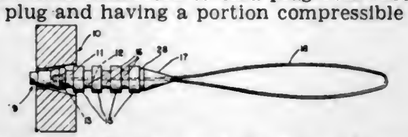
2,139,539

PLUG FOR DRAWING TUBES

Guy H. Bradley, Royal Oak, and George E. Clifford, Detroit, Mich., assignors to Wolverine Tube Company, Detroit, Mich., a corporation of Michigan

Application June 1, 1937, Serial No. 145,914
21 Claims. (Cl. 205—7)

1. An apparatus for drawing tubes comprising a die having a tapered reducing portion and a throat adjacent the smaller end of the reducing portion, a draw pin including a plug thereon, said plug coacting with said reduction portion, and means connected to said plug rearwardly of the plug and having a portion compressible upon



insertion in a tube being drawn to frictionally engage the tube, said means tending to advance said plug toward said throat.

2,139,540

PROCESS FOR OBTAINING HORMONE SUBSTANCE

Edward A. Doisy, Webster Groves, and Philip A. Katzman, St. Louis, Mo., assignors to President and Board of Trustees of St. Louis University, St. Louis, Mo.

No Drawing. Application June 24, 1935, Serial No. 28,210
13 Claims. (Cl. 167—74)

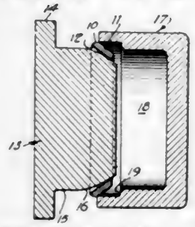
1. The process of obtaining a gonadotropic substance comprising forming in urine a precipitate of a compound of the class consisting of tungstic and molybic acids, separating the precipitate from the liquid, treating the precipitate with an aqueous solution of a compound of the class consisting of brucine alkaloid, quinine, cinchonine, 8-hydroxyquinoline and benzidine thereby obtaining the gonadotropic substance in the solution while leaving said acid compound as a precipitate and removing the solution of the gonadotropic substance from the precipitate.

2,139,541

ORNAMENTAL BAND AND PROCESS FOR MAKING SAME

Harold I. Farnsworth, Lunenburg, Mass., assignor to Fosgood Corporation, Leominster, Mass., a corporation of Massachusetts

Application July 3, 1936, Serial No. 88,739
2 Claims. (Cl. 18—55)



1. The process of making a seamless ornamental band having a molded design extending around its periphery, which consists in forming an annular blank of plastic material, molding a design on one face of the blank, and turning the blank to bring the molded design on the outside or periphery of the band.

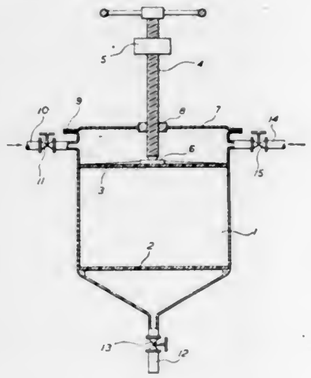
2,139,542

TREATMENT OF TEXTILE MATERIALS

Donald Finlayson and Richard Gilbert Perry, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

Application June 4, 1937, Serial No. 146,378
In Great Britain July 30, 1936
6 Claims. (Cl. 28—1)

1. Process for the production of crimped artificial filaments, which comprises laying filaments of a thermoplastic material across each other in a criss-cross manner, and while they are so disposed subjecting the filaments to mechanical pressure, applying a hot aqueous medium to soften the filaments while the mechanical pressure



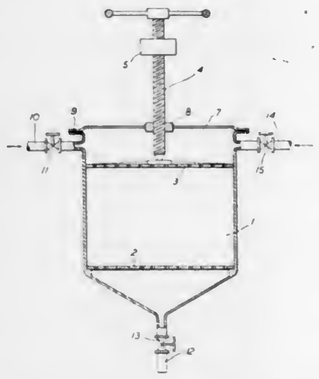
is maintained on the filaments, and then drying and setting the filaments by passing a drying medium therethrough while the mechanical pressure is maintained.

2,139,543

PRODUCTION OF CRIMPED ARTIFICIAL FILAMENTS, FIBERS, AND THE LIKE

Donald Finlayson and Richard Gilbert Perry, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

Original application June 4, 1937, Serial No. 146,378. Divided and this application July 28, 1938, Serial No. 221,740. In Great Britain July 30, 1936
4 Claims. (Cl. 28—1)



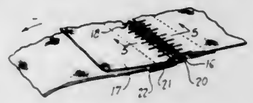
1. Process for the production of crimped artificial filaments, which process comprises laying filaments of cellulose acetate or other organic derivative of cellulose across each other in a criss-cross manner, and while they are so disposed subjecting the filaments to mechanical pressure, applying a softening medium comprising a substance having a solvent action on the cellulose derivative to soften the filaments while the mechanical pressure is maintained, and then drying and setting the filaments by passing a drying medium therethrough while the mechanical pressure is maintained.

2,139,544

APRON FOR FLATWORK IRONERS

Clifford D. Fleming, Toledo, Ohio, assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio

Application July 21, 1937, Serial No. 154,864
1 Claim. (Cl. 24—33)



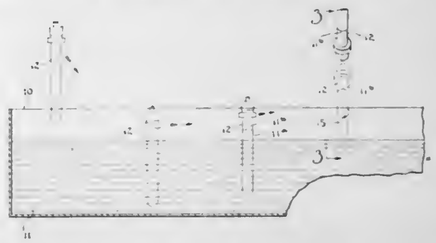
In a flat work ironer, a textile fabric belt, a metallic device connecting the free ends of the belt, a fabric flap disposed transversely of the belt adjacent said metallic device, and a transversely extending sewn seam securing an end portion of the flap juxtaposed to said metallic device, the metallic connecting device extending through and securing the adjacent end edge of the flap in place, the flap being folded upon itself along said seam and extending over said metallic device and the free end of the flap extending rearwardly of the intended direction of movement of the belt.

2,139,545

DIPPED RUBBER ARTICLE AND METHOD FOR MAKING THE SAME

John R. Gammeter, Akron, Ohio

Application May 11, 1937, Serial No. 141,977
4 Claims. (Cl. 18—58)



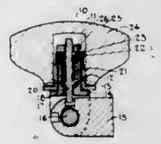
1. Dipped rubber articles comprising a plurality of layers of rubber deposited from liquid latex with a grain or fibre in alternate layers extending helically about the article in opposite directions.

2,139,546

STEERING KNOB FOR AUTOMOBILE STEERING WHEELS

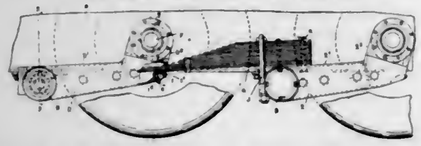
Hans P. Hansen, Yonkers, N. Y.

Application October 25, 1937, Serial No. 170,753
7 Claims. (Cl. 74—557)



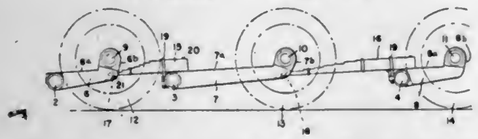
1. A steering knob for automobile steering wheels, comprising a base formed with orifices therein, a knob member hingedly secured to said base, said knob member consisting of a head, a sleeve detachably secured to the latter, a tubular member slidably disposed in said sleeve, and a spring actuated plunger mounted within the tubular member, and being adapted to engage the orifices in the base, whereby to adjust the knob to predetermined positions.

2,139,547
RUNNING GEAR
William R. Kales, Detroit, Irving H. Judd, Dearborn, and Paul Huebshman and Rudolph H. Helms, Melvindale, Mich., assignors to Whitehead & Kales Company, River Rouge, Mich., a corporation of Michigan
Application April 12, 1937, Serial No. 136,472
11 Claims. (Cl. 280—104)



1. In a vehicle running gear, the combination with a frame and tandem wheels for supporting the same, of rock arms on said frame extending therefrom in the same direction and respectively connected to said wheels, a leaf spring rigidly secured to one of said rock arms and extending oppositely therefrom and having a load sustaining connection with the other rock arm, and brake mechanism for said wheels carried in part by said rock arms.

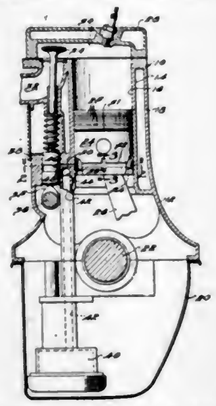
2,139,548
RUNNING GEAR
William R. Kales, Detroit, Mich., assignor to Whitehead & Kales Company, River Rouge, Mich., a corporation of Michigan
Original application April 12, 1937, Serial No. 136,472. Divided and this application November 15, 1937, Serial No. 174,711
10 Claims. (Cl. 280—124)



1. In a vehicle running gear, the combination with a frame, of tandem wheels for supporting the frame including a pair of end wheels and one or more intermediate wheels, independently movable rock arms pivotally connected to said frame and having stub axles for said wheels, one end wheel and the intermediate wheel being provided with spring arms having load sustaining connections with the rock arms for the adjacent wheels, and brake mechanism for said wheels including brake heads fixed to said rock arms.

2,139,549
LUBRICATION SYSTEM FOR INTERNAL COMBUSTION ENGINES
Floyd F. Kishline, Birmingham, Mich., assignor to Graham-Paige Motors Corporation, Detroit, Mich., a corporation of Michigan
Application April 19, 1937, Serial No. 137,682
4 Claims. (Cl. 184—18)

1. In combination with an internal combustion engine, a cylinder and a piston reciprocable therein, said cylinder having a passage extending into the bore thereof at a point normally traversed by the piston during its reciprocation, means for feeding a lubricant under pressure to said passage, said piston having a continuous groove therein extending circumferentially around the outer surface thereof in a position to align itself with said passage during each reciprocation of the piston, and said piston having a passage therethrough at a point circumferentially remote from the first mentioned passage connecting said groove with the interior of said

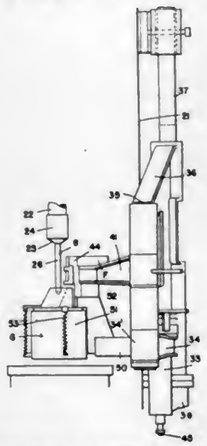


piston for venting entrapped air and permitting free circulation of lubricant.

2,139,550
MONO-ALKYL-CHLOROPHENOLS
Emil Klarmann, Jersey City, N. J., assignor to Lehn & Fink Products Corporation, Bloomfield, N. J., a corporation of Delaware
No Drawing. Application November 13, 1934, Serial No. 752,835
3 Claims. (Cl. 260—623)

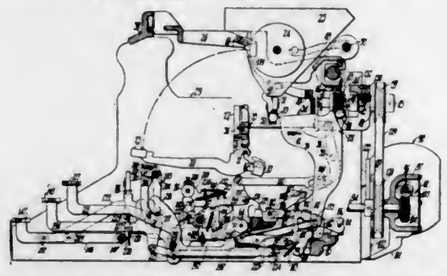
1. A 4-n-alkyl-2-chloro-phenol wherein the normal alkyl group has at least 4 carbon atoms.

2,139,551
EXTRUSION PRESS
Otto Z. Klopsch and Guy H. Bradley, Pleasant Ridge, Mich., assignor to Wolverine Tube Company, Detroit, Mich., a corporation of Michigan
Original application March 23, 1936, Serial No. 70,458. Divided and this application December 21, 1936, Serial No. 117,064
13 Claims. (Cl. 207—16)



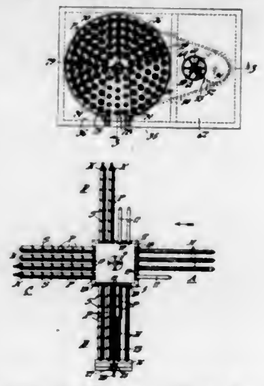
1. In an extrusion press, a piercing tool, an extensible cooling device adapted to be supported in axial alignment with the punch and being extensible in the direction of length of the tool upon relative axial movement of the tool and device in directions toward each other to substantially house said punch.

2,139,552
TYPEWRITING MACHINE
Alfred G. F. Kurowski, Brooklyn, N. Y., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application October 19, 1935, Serial No. 45,790
12 Claims. (Cl. 197—73)



9. In a case-shift mechanism for a typewriter having types and a platen, the combination of a letter-feed universal-bar train coacting with said types, a power-operable driver, a self-returning case-shift key, means power-shiftable by said driver, upon manually effecting a case-shift stroke of said key, to effect a relative case-shift of said types and platen from a primary-case position to another case position, a latch-device automatically operative independently of said key to detain said shiftable means upon power-shifting of the latter to said other case position, whereby a momentary manually-executed case-shift stroke of said key suffices to effect the power case-shift and said key is free to return, and a connector-device operative, as a result of such power-shift of said shiftable means, to operatively connect said latch-device to said universal-bar train to enable the latter to trip said latch-device at the actuation of a type following said shift and whereby, conversely, restoration of said shiftable means to primary-case position ensuing from the tripping of said latch-device effects disconnection of said latch-device from said universal-bar train.

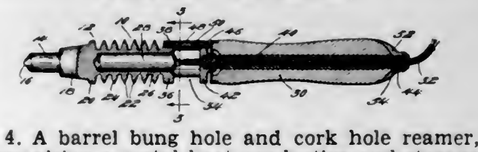
2,139,553
METHOD AND APPARATUS FOR PREPARING BATCHES OF TEXTILE PACKAGES FOR SUBSEQUENT TREATMENT
Royal Little, Providence, R. I., assignor to Franklin Rayon Corporation, Providence, R. I., a corporation of Rhode Island
Application October 29, 1936, Serial No. 108,234
14 Claims. (Cl. 8—155)



1. The method of assembling groups of textile packages which comprises mounting package-holders for movement about a central axis from one to another of a plurality of stations, applying a group of packages to each holder in tandem by sliding them over the end thereof at one station, securing the packages on the holders, and removing the holders with the packages assembled thereon at another station.

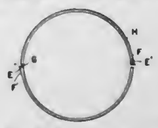
5. An apparatus for assembling textile packages for subsequent processing treatment comprising a turntable provided with means on which groups of packages may be assembled in tandem to form self-contained units, a carrier having means for mounting a plurality of the package units, and a turntable for rotatably supporting the carrier adjacent the assembly turntable to provide for transferring the package units from the assembly turntable to the carrier.

2,139,554
LIQUID BARREL BUNG AND CORK REAMER
Hubert Martin, Cranston, R. I.
Application March 22, 1937, Serial No. 132,305
5 Claims. (Cl. 219—21)



4. A barrel bung hole and cork hole reamer, comprising a metal heat conductive and storage member having a front end substantially the size of a barrel cork hole and an intermediate portion of substantially the size of a barrel bung hole, said portion having an annular flange at the rear end thereof.

2,139,555
METHOD OF MAKING BEARINGS
Daniel McKercher and George F. Yager, Toledo, Ohio, assignors to The Bunting Brass and Bronze Company, Toledo, Ohio, a corporation of Ohio
Original application December 16, 1935, Serial No. 54,746. Divided and this application February 15, 1937, Serial No. 125,855
6 Claims. (Cl. 29—149.5)

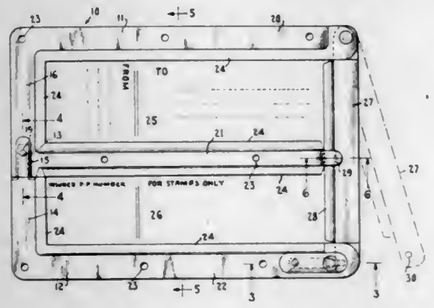


1. The method of forming bearing shells provided with one or more locking lugs, comprising the steps of broaching an annulus to make the inner surface thereof approximately the required diameter, turning a portion of the outer surface of said annulus to approximate the required external diameter and to leave an annular portion of greater diameter sufficient for forming one or more locking lugs, broaching all but a predetermined portion of the annular portion just mentioned to provide one or more locking lugs, burnishing the inner and outer surfaces of said annulus to the exact dimensions desired, and cutting the annulus at predetermined points to provide half sections.

2,139,556
CARD HOLDER
Max Meyerson, New York, N. Y.
Application November 19, 1937, Serial No. 175,422
4 Claims. (Cl. 40—17)

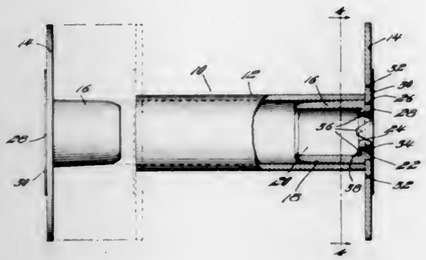
1. The combination with a container wall, of a card holder mounted thereon comprising a

frame structure of which its main body has three bars arranged in an E-shaped formation, adapted to visibly retain therebetween a card each; a snap member at the end portion of the middle bar of said structure, a closing bar hinged to the



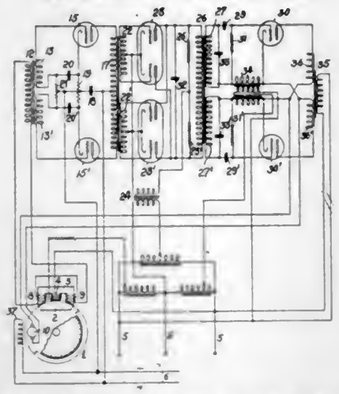
end portion of one of said outer bars and adapted to be held by said snap member when located in closed position and means for positively locking the free end part of said hinged bar in said closing position.

2,139,557
SPOOL
Anthony Moretti, Cranston, R. I.
Application November 6, 1936, Serial No. 109,525
5 Claims. (Cl. 242—124)



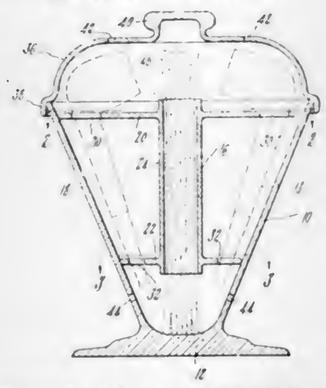
1. In a spool assembly, hollow tubular wooden hub members, each having an inwardly tapered external surface and a bore having a portion of reduced diameter extending inwards a distance from the outer end thereof forming an annular shoulder at its inner end, an annular fibre head for each end of said spool, each externally fitted on the outer end of each hub member, metal caps for each end of said spool, each comprising an annular portion of less diameter than and abutting each outer head surface having portions thereof indented into said head having an internal periphery slightly less than that of said reduced bore of the outer end of each hub member and spaced prong means projecting integrally axially inwardly from the internal periphery thereof within said reduced hub portion forming a spindle bearing having each inner end thereof extending axially outwardly into the surface of the annular internal shoulder on said hub member to secure each cap to each head and hub member and a hollow cardboard tube having each outer end thereof fitted over each external inwardly tapered surface of each hub member.

2,139,558
FOLLOW-UP SYSTEM FOR GYRO COMPASSES
Francis L. Moseley, Pelham, William T. Cooke, Pelham Manor, N. Y., and Carl A. Frische, Leonia, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application August 29, 1935, Serial No. 38,378
Renewed October 16, 1936
10 Claims. (Cl. 172—239)



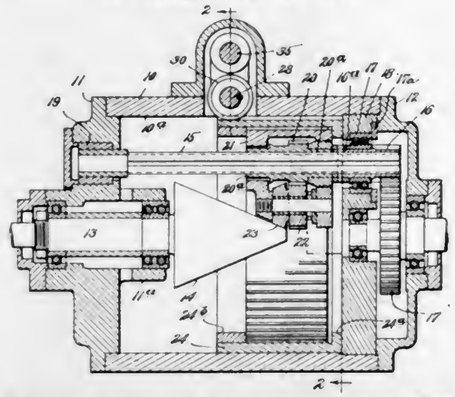
1. In a follow-up system of the character described, sensitive and follow-up elements, a driving motor for said follow-up element, a control circuit for said driving motor, said control circuit having thermionic means for producing an amplified A. C. control potential responsive to the relative displacement of said elements, means cooperating with said thermionic means for producing a D. C. control potential responsive to a time derivative of such relative displacement, and grid controlled rectifiers responsive to said A. C. and D. C. control potentials for determining the speed and direction of operation of said driving motor.

2,139,559
RECEPTACLE FOR PIPES
James Edward Newton, Little Compton, R. I.
Application April 27, 1937, Serial No. 139,238
4 Claims. (Cl. 131—51)



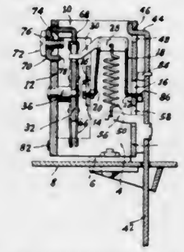
1. A receptacle for smokers' pipes, comprising a vessel having the approximate shape of an inverted cone with a base, a pair of spaced horizontal disks engaging within said vessel, said disks having holes to receive pipe stems, a connecting element extending vertically between said disks, and a cover upon said vessel.

2,139,560
VARIABLE SPEED TRANSMISSION
Gordon L. Olson, Arlington, Mass.
Application February 9, 1937, Serial No. 124,836
16 Claims. (Cl. 74—191)



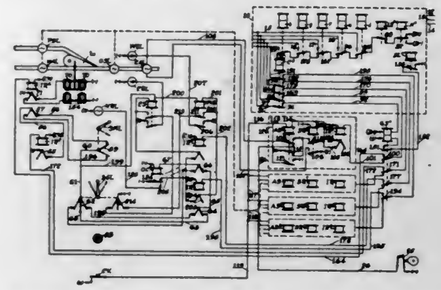
1. In a device of the character specified, a housing having a power input shaft, a cone member positively rotated by said power shaft, rotatable shafts within said housing and radially spaced relative to the axis of said cone, driving means associated with said shafts, a sleeve bearing member slidably keyed on each of said rotatable shafts, a carriage rotatably supported by each of said sleeves, elements carried by said carriages and adapted to operatively engage with said sleeves and cone member, with means adapted to urge said elements into operative engagement with said cone member, and means associated with said carriage to effect a combined rocking and longitudinal movement of said carriage through infinitesimal increments relative to and along the face of said cone.

2,139,561
SWITCH MECHANISM
Carl M. Petersen, Morrisville, Pa.; Stella W. Petersen executrix of said Carl M. Petersen, deceased
Application June 23, 1934, Serial No. 732,006
5 Claims. (Cl. 200—17)



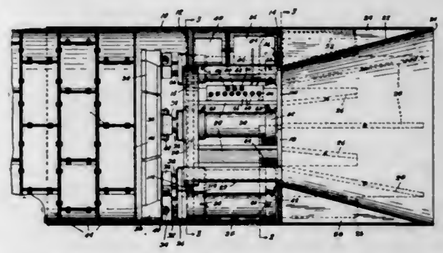
1. In switch mechanism: the combination with circuit controlling means including a movable element having a pair of fingers, each finger having opposite pivot portions; of means to rock said movable element comprising a supporting member to pivotally support the said fingers which are adapted to rock on said support each about its respective pivot portions, an operating lever having a finger with opposite pivot portions for pivotally supporting the lever in said supporting member to rock thereon about said portions, said operating lever having means extending toward the fingers of said movable element, and resilient means connecting said movable element and the extending means of the operating lever to hold the fingers of said element and the finger of the operating lever to their respective supports and to transmit angular movement of the operating lever to the movable element when the said lever is actuated.

2,139,562
CENTRALIZED TRAFFIC CONTROLLING SYSTEM
Neil D. Preston, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application January 30, 1931, Serial No. 512,257
33 Claims. (Cl. 246—3)



15. In a centralized traffic controlling system, a railroad track switch, a switch machine for operating said track switch, signals for governing traffic over said track switch, a switch control lever for governing operation of said switch machine, a signal control lever for governing operation of said signals, a route lamp for indicating when said track switch is in correspondence with said switch control lever and said signals are in correspondence with said signal control lever, and an additional lamp for indicating when either said track switch or said signals are out of correspondence with their respective levers.

2,139,563
TUNNELING SHIELD
Gordon W. Russell, Needham, Mass., assignor to James Russell Boiler Works Company, Boston, Mass., a corporation of Massachusetts
Application September 26, 1936, Serial No. 102,712
12 Claims. (Cl. 61—85)



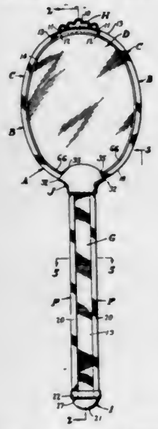
1. In a tunneling shield, circumferentially-spaced, longitudinally-extending hydraulic jacks carried by the peripheral portion of the shield for advancing it, and a pump and a driving motor for supplying said jacks with operating fluid, said pump and motor being carried by and advanceable with said shield and located within said shield and outside the central region thereof.

2,139,564

HANDLE AND FRAME FOR DRESSER SET UTENSILS AND THE LIKE

William Steinen, South Orange, N. J.

Application December 14, 1937, Serial No. 179,642
7 Claims. (Cl. 88—102)



1. A frame and handle assembly comprising resilient side channel members, with the open channels facing each other, said channels being spaced to provide a widened frame receiving a face element and a back plate of the same contour as the face element, the peripheries of which are reecived in, and held by the sides of said channel members and said channels converging together to form a throat and then continuing side by side to form a handle, said handle including an extension of said back plate, said handle also including a reinforcing plate extending the full width and length of said handle, said channel members being connected together, and means independent of said back plate extension consisting of a ferrule throat member encircling and contacting the channels at the base of the throat where they converge and causing contraction together of said channel portions at the narrow base of the throat drawing up said side channel members tightly together upon said face element and said back plate, said ferrule being locked in position to said channel members at said throat.

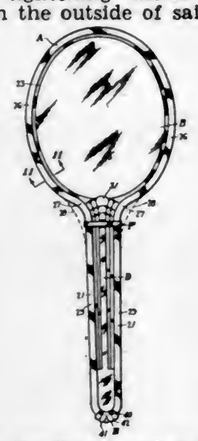
2,139,565

FRAME AND HANDLE ASSEMBLY FOR MIRRORS, BRUSHES, AND THE LIKE

William Steinen, South Orange, N. J.

Application February 26, 1938, Serial No. 192,690
8 Claims. (Cl. 88—102)

1. In a mirror, brush or similar construction, a frame and handle assembly to receive a mirror or brush element comprising a split resilient sheet metal channel rim of U-shaped cross section constituting the periphery and outside edges of the frame and handle, a backing member having an enlarged portion of the same shape and outline as the mirror or brush element, an elongated handle portion, said backing member and said handle portion clamped at their peripheries in the bottom of the U-shaped recess of said channel member and between the flanges of the U of said channel member, said channel member having frame portions embracing said mirror or brush element and substantially parallel handle portions extending along the handle from the base of the frame and forming the exterior sides of said handle and means to draw up said channel, handle and frame portions upon said backing member and mirror or brush element, said means including a tightening metal band slidably mounted upon the outside of said handle at its



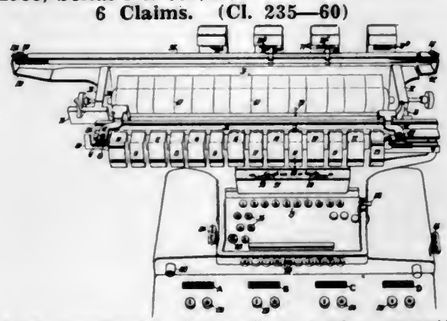
junction with the frame and embossments upon said handle structure between which said metal band is resiliently mounted in position.

2,139,566

COMBINED TYPEWRITING AND COMPUTING MACHINE

Otto Thieme, West Hartford, Conn., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Continuation of application Serial No. 504,501, December 24, 1930. This application July 12, 1933, Serial No. 680,036
6 Claims. (Cl. 235—60)



1. A combined typewriter and computing machine comprising a set of numeral type bars, a single set of numeral keys associated with said type bars, a plurality of key-operated vertical totalizers of the master-wheel actuated type, a plurality of cross totalizers of the index pin type, means for selectively associating any of said key-operated vertical totalizers with any of said cross totalizers, and means controlled by any selected numeral key for operating its associated type bar and running up the numeral in any selected vertical totalizer and simultaneously setting the indexing mechanism of any selected cross totalizer.

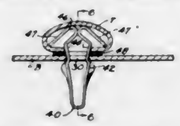
2,139,567

MOLDING RETAINER CLIP

John H. Van Uum, Lakewood, Ohio

Application October 1, 1935, Serial No. 43,055
7 Claims. (Cl. 189—88)

7. The combination with a hollow member having an opening in one face and a support having an aperture therein, of a spring clip for securing the hollow member to the support, said clip comprising a strip of spring metal having a portion between its ends in the form of a nose and resilient leg portions extending therefrom for reception nose foremost through the aperture in said support, said strip having its free end portions in the form of separate head portions adapted for engagement with the hollow member for securing the hollow member to the support by resilient engagement of the said head portions at their free ends with the inner wall surface of the hollow member, and said clip portions be-



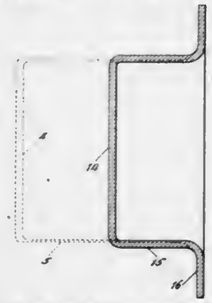
tween the head portions and the nose portion being in abutting relation when the head portions are urged together after installation of the head portion in the hollow member, said abutting relation being operative to constrain the head portions to flexure independent of the flexure of the leg portions when the clip is installed, locking shoulders on the leg portions engageable with the inner surface of the support when the leg portions are passed through the aperture of the support, said head portions being inclined outwardly and downwardly from the abutting portions.

2,139,568

SPINNERET AND METHOD OF PRODUCING THE SAME

George M. Allen, Swarthmore, and Gilbert C. Barton, Chester, Pa., assignors, by mesne assignments, to American Viscose Corporation, a corporation of Delaware

Application January 7, 1937, Serial No. 119,488
4 Claims. (Cl. 76—107)



1. The method of making a shell for a spinneret for use in spinning rayon which comprises forming a cup shape member of less depth than the finished article of noble metal having an integral base portion constituted by the bottom of the cup shape for perforation to permit spinning solution to be extruded therethrough and a side wall, and hammer swaging said side wall and thereby extending it to its finished length while thinning it and increasing its hardness and tensile strength.

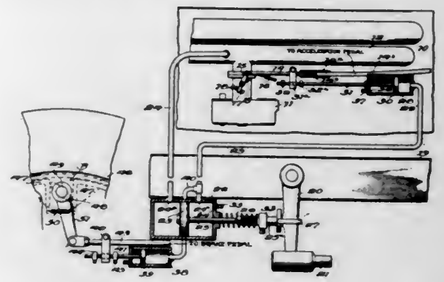
3. A shell of noble metal for a spinneret for use in spinning rayon comprising an integral face portion for perforation to permit spinning solution to be extruded therethrough and a side wall, the shell being formed from a cup shape member of noble metal of less depth than the finished article and the side wall of which has been hammer swaged, thereby thinning and extending it to its finished length, the side wall being thinner and of greater hardness and tensile strength than the face portion.

2,139,569

STEERING GEAR CONTROL SPEED REGULATOR FOR VEHICLES

Don Jose Alvarado, Jr., Richmond, Va., assignor of one-half to William Gray, Richmond, Va.

Application June 10, 1937, Serial No. 147,578
9 Claims. (Cl. 180—82)



1. In a motor vehicle having an internal combustion engine, a throttle valve for the engine, steering means and braking means for the vehicle, moving means for both said valve and said braking means and subject to the intake manifold pressure, and means actuated by the steering means for rendering said moving means responsive to said intake manifold pressure when the steering means is in certain of its positions.

2,139,570

THIAZOLE COMPOUNDS AND MANUFACTURE THEREOF

Hans Andersag and Kurt Westphal, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application April 22, 1936, Serial No. 75,865. In Germany May 2, 1935
32 Claims. (Cl. 260—302)

1. The progress which comprises reacting upon an aliphatic ketone, containing in α-position to the keto group a halogen atom and containing attached to the halogenated carbon atom a lower alkyl group which is substituted by a substituent selected from the group consisting of esterified hydroxy groups, halogen and amino, carboxylic, carbalkoxy and carboxylic acid-amide and hydrazide groups with a rhodanide and treating the reaction product obtained with an acid condensing agent to form a 2-hydroxy-thiazole compound.

2,139,571

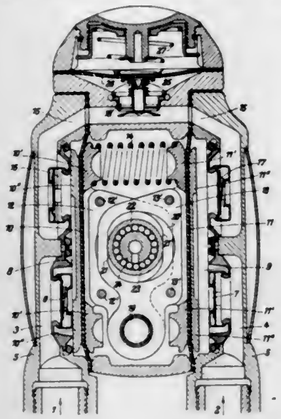
FUEL PUMP

Rifat Avigdor, Berlin, Germany

Application March 31, 1938, Serial No. 199,263
In Germany February 23, 1937
2 Claims. (Cl. 103—150)

1. A fuel pump comprising two opposite diaphragms each forming the wall of a pump compartment having an inlet communicating with the fuel supply and an outlet communicating with a fuel delivery space, two transmission members, arranged like scissors and pivotally connected at one end, for transmitting the drive from the eccentric to the diaphragms, the said eccentric, through the medium of the transmission members, positively moving the diaphragms alternately for the suction stroke when oil is drawn into the compartments alternately through the inlets thereof, and a spring, pressing the diaphragms asunder, and returning the

diaphragms for the delivery stroke when oil is forced from the compartments alternately



through the outlets thereof into the fuel delivery space.

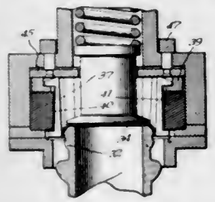
2,139,572

METHOD AND APPARATUS FOR APPLYING CLOSURES

George W. Booth, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York

Application April 16, 1934, Serial No. 720,867

5 Claims. (Cl. 226—83)



1. The method of applying a substantially flat closure disc of ductile material to the lip of a mounted container, which lip has an external downwardly and outwardly rounded top surface, said method comprising positioning the disc on the lip and bending the marginal portion of the disc by ironing and drawing over said top surface to form a skirt which conforms smoothly and closely to said top surface in sealing contact therewith and continuing said ironing and drawing action to bring the edge of the shirt, which edge extends below said downwardly and outwardly rounded top surface, into substantially smooth continuous circumferential sealing engagement with the container below said surface, the skirt tension existing as a result of said ironing and drawing being such as to cause the closure to firmly grip the container to maintain the sealing relation of the closure therewith.

2,139,573

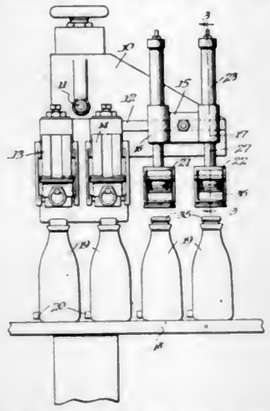
COMBINED CAPPING AND PRINTING MACHINE

George W. Booth, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York

Application August 28, 1935, Serial No. 38,306

16 Claims. (Cl. 226—84)

1. Apparatus of the class described comprising a vertically reciprocating member, a capping head carried by said member, a printing head carried by said member, and means for intermittently feeding a series of containers under said heads, said heads acting upon each downward



movement of said member and entirely as a result of such downward movement to cap a container and print the previously applied cap of the preceding container.

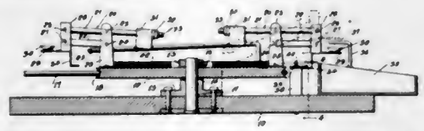
2,139,574

EGG GRADING MACHINE

Louis M. Butterfield, Kittery, Maine

Application January 14, 1937, Serial No. 120,611

1 Claim. (Cl. 209—121)



A grading apparatus of the class described comprising a stationary support, a rotatable body mounted on said support, scales carried by said body to weigh and carry elements to be graded, a plurality of grading stations in a group on said stationary support, a feeding station in advance of the grading stations, ejector means at each grading station relatively to which the body moves operable to eject elements from the scales through such movement according to their weight, said scales comprising a support member, parallel beams pivoted to the support member, element-carrying brackets pivoted to both beams, each bracket having a downwardly depending L-shaped finger, a plurality of adjustable scale positioning means to progressively lower the brackets when the elements to be graded at a station are below a predetermined weight so as to hold the scales in proper position relative to each ejector means, each of said positioning means located at progressively increasing elevations, said scale positioning means each having a depressor bar fixed at one end on said stationary support and engageable by said fingers along their under surfaces, each ejector being located adjacent a depressor bar, means operable to vary the elevation of the free end of each bar, and a cam track on said stationary support sloping downwardly from the feeding station to the grading stations on which the lower beams of the scales travel under the weight of the elements to be graded to prevent undue lowering of the scales and insure initial grading of the heaviest elements and progressive grading of succeeding lighter elements.

2,139,575

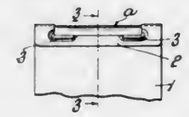
COLLAPSIBLE CONTAINER FROM WHICH PASTY MATERIALS ARE ADAPTED TO BE EXTRUDED

Joshua Crane, Boston, Mass.

Application August 3, 1937, Serial No. 157,219

In Great Britain August 6, 1936

7 Claims. (Cl. 221—60)



1. A collapsible container tube from which pasty materials are adapted to be extruded, comprising a tubular body closed at its egress end by being squeezed together and doubled back upon itself, and spring closing means completely surrounding said egress end and adapted yieldably to maintain said egress end squeezed together, whereby, when the doubled back portion of said egress end is ruptured by the user said egress end remains normally closed but opens when said tube is squeezed sufficiently to give egress to the pasty material and is closed again by said spring closing means when the squeezing pressure is removed.

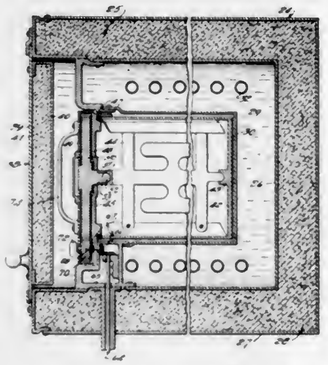
2,139,576

REFRIGERATOR FREEZER ATTACHMENT

George B. Davis, Jr., Washington, D. C.

Application June 24, 1937, Serial No. 150,169

6 Claims. (Cl. 62—116)



1. In a refrigerator having a refrigerating system, a stationary housing supported interiorly of the refrigerator having a receptacle chamber opening through the front wall thereof, a refrigerating coil in said housing about said chamber, means connecting said coil to the refrigerating system, a receptacle engaging in said chamber, a drive shaft, a coupling member laterally of said receptacle chamber rotatably connected to said shaft and having the longitudinal axis thereof parallel with the axis of said chamber, a stirrer engaging in said receptacle, a coupling member carried by said stirrer, a hollow lid for said receptacle, reduction gears in said lid, and a pair of coupling members carried by said gears engageable with said shaft, and stirrer coupling members whereby positioning of said lid on said receptacle in said housing will operatively connect said stirrer with said drive shaft.

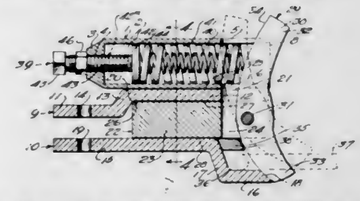
2,139,577

ADJUSTABLE AUTOMATIC SELF-RELEASING HITCH

Benjamin F. Deaver, Breckenridge, Tex.

Application October 17, 1938, Serial No. 235,515

8 Claims. (Cl. 280—33.16)



5. In a hitch a horizontally disposed structure formed lengthwise of its upper portion with a chamber open at its rear, said structure below said chamber being formed with a forwardly extending coupler means adapted to be connected to a pulling means, said structure being formed at its rear with superimposed furcations, an upstanding latching lever arranged within and extending above and depending from said furcations, pivot means extending across one of the furcations for pivotally supporting said lever, said structure being provided at its rear with an offset part providing a keeper below the bottom thereof for coacting with said lever for latching a load to the hitch, and an adjustable resilient spring pressure exerting controlling means arranged within and extending forwardly from said chamber and permanently bearing against said lever for normally maintaining the latter active until the pull on the load overcomes the pressure applied to the lever.

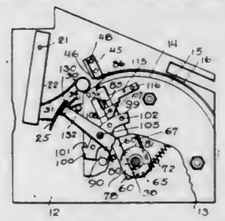
2,139,578

VENDING MACHINE

William V. Derby, Baltimore, Md., assignor to The General Vending Service Co., Baltimore, Md., a partnership of Maryland

Application December 30, 1936, Serial No. 118,378

21 Claims. (Cl. 164—48)



1. In a device of the class described, in combination, a supporting frame, means for retaining and guiding a web supply, an oscillating feeding member for said web adapted to seize said web and move it through its guiding means toward a point of delivery, means for severing from the web a strip of predetermined length, and means adjustably carried by said feeding means for operating said severing means at the desired point during the movement of said feeding means to control the length of the severed strip.

2,139,579

PROTECTION ENCLOSURE

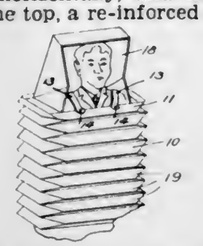
Paul C. Dier, Milwaukee, Wis.

Application June 14, 1937, Serial No. 148,170

4 Claims. (Cl. 2—85)

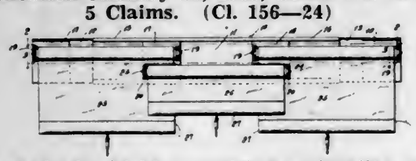
1. A device of the character described comprising in combination, a tubular protecting

member constructed of a sheet of flexible material pleated horizontally, and having only one aperture at the top, a re-inforced upper frame, a



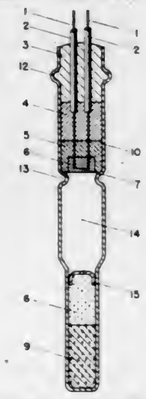
re-inforcing bottom member adherently fastened to the said protecting member, and means for supporting the entire device in an extended manner when in use.

2,139,580
WINDOW SHADE SUPPORT
Luther O. Draper and Elmer F. Pidgeon, Spiceland, Ind.
Application January 27, 1938, Serial No. 187,274
5 Claims. (Cl. 156—24)



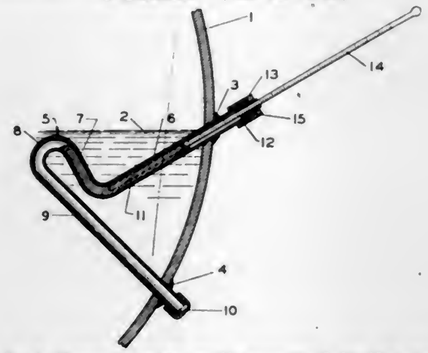
1. A shade shield comprising a plurality of inverted L-shaped telescoping sections, and a plurality of shade brackets connected to said sections, certain of said brackets being provided with angular supports projecting outwardly from said shield and having their free ends extending in opposite directions to each other to mount a plurality of roller shades in overlapping relationship.

2,139,581
DELAY ELECTRIC BLASTING CAP
Edward J. Hanley, Kingston, N. Y., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application October 27, 1936, Serial No. 107,760
6 Claims. (Cl. 102—10)



1. A delay blasting cap including a ventless casing, an igniter charge, a detonating charge, and a fuse comprising a non-metallic, compressible sheath containing a composition which will burn without development of any substantial amount of gas, said fuse composition and sheath being expanded against the side walls of said casing by pressure from above, thereby being retained in position within said casing and against said detonating charge.

2,139,582
THERMOMETER WELL
Frederick J. Harlow, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 30, 1937, Serial No. 182,615
3 Claims. (Cl. 73—375)



3. A thermometer well mounted in the wall of a container and having the main body of the well mounted within the container, comprising a tubing member, said tubing having the upper end thereof extending downwardly into the container at an angle to the fluid level in the container, the tube then extending upwardly at an angle to the fluid level in the container to form a well for the heat conducting fluid, the tube then being reversely bent and extending downwardly and the upper and lower ends of the tubing secured to the container wall and communicating with the exterior of the container.

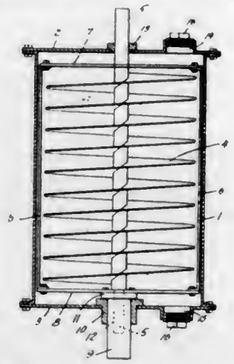
2,139,583
BARBITURIC ACIDS
Gustav Heilner, Berlin-Fichtengrund, Post Friedrichsthal, Germany, assignor to the firm Chemische Fabriken Dr. Joachim Wiernik & Co. Aktiengesellschaft, Berlin-Waidmannslust, Germany
No Drawing. Application October 31, 1935, Serial No. 47,720. In Germany February 1, 1933
1 Claim. (Cl. 260—257)

The herein described 5,5-allylfuromethyl barbituric acid melting at 149–151° C. and being a valuable hypnotic.

2,139,584
MANUFACTURE OF CARBON BLACK
Howard J. Hunter, Fairbanks, La., assignor to Columbian Carbon Company, New York, N. Y., a corporation of Delaware
Application December 1, 1934, Serial No. 755,553
3 Claims. (Cl. 134—60)

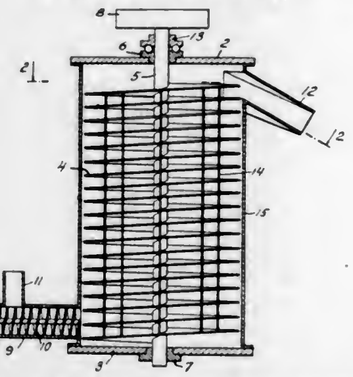
1. The process of treating finely divided carbon black which comprises repeatedly subjecting said carbon black in a dry condition to the action of a vertically arranged helical screw, rotating at a peripheral speed in excess of about 300 feet per minute in a direction to lift the carbon black, and the flights of which have a pitch such that during rotation particles of carbon black move upwardly and outwardly thereon with a rolling movement such as to effect compacting of the particles of carbon black by said

rolling movement on the flights into substantially dustless, free-flowing pellets without substantially subjecting the carbon black to mechanical pressure, said particles of carbon black, during the rotation of the screw, falling back and



being re-raised by said screw until they are formed into pellets having an apparent density substantially greater than the apparent density of the original carbon black and are strong enough to maintain their pellet form during normal transportation.

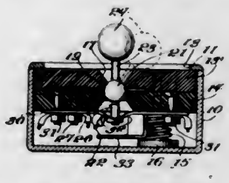
2,139,585
MANUFACTURE OF CARBON BLACK
Howard J. Hunter, Fairbanks, La., assignor to Columbian Carbon Company, New York, N. Y., a corporation of Delaware
Application April 18, 1935, Serial No. 16,970
10 Claims. (Cl. 134—60)



1. An apparatus for treating finely divided carbon black to form said finely divided powder into pellets, comprising a vertically arranged screw having a central shaft and helical flights extending outwardly therefrom revolvably mounted within a cylindrical chamber closed at its top and bottom, the flights of said screw being inclined not more than 12 degrees from the horizontal, the inside diameter of said chamber being only sufficiently great to permit free rotation of said screw, means for rotating said screw at a speed which will impart rolling impact to the carbon black and in the direction tending to cause the carbon black to roll upwardly along the flights of said screw, whereby the particles of carbon black on said flights are compacted by said rolling movement, means for continuously feeding carbon black to be treated into the lower end of the chamber, and means for removing the pellets from the upper end thereof after the treatment of the carbon black on the flights of the screw has continued for a length of time sufficient to form it into pellets having an apparent density substantially greater than the apparent density of the original carbon black and strong enough to maintain their pellet form during normal transportation.

6. A continuous process for reducing finely divided carbon black to pellet form comprising subjecting said finely divided carbon black to the action of a vertically arranged helical screw enclosed in a chamber and rotating at a peripheral speed in excess of about 290 feet per minute in a direction to lift the carbon back, and the flights of which have a pitch such that during rotation particles of carbon black move upwardly along said flights with a rolling movement such as to effect a compacting of the particles of carbon black by said rolling movement on the flights into substantially dustless, free-flowing pellets without substantially subjecting the carbon black to mechanical pressure, continuously feeding the finely divided carbon black to the lower portion of said chamber into contact with said screw and removing carbon black pellets from the upper portion thereof, such treatment of the carbon black on the flights of the screw continuing for a length of time sufficient to form it into pellets having an apparent density substantially greater than the apparent density of the original carbon black and strong enough to maintain their pellet form during transportation.

2,139,586
SWITCH
Christian F. Husemoller, Washington, D. C.
Application March 7, 1938, Serial No. 194,467
3 Claims. (Cl. 200—6)

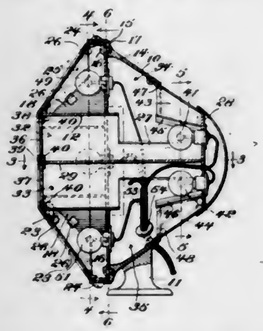


1. A switch comprising a casing, a cover for the casing, a pair of superposed plates of insulating material slidably mounted as a unit in the casing, springs confined under tension between the bottom of the casing and one of the plates, a current supply terminal plate interposed between the plates of insulation and having a socket, said insulating plates being provided with superposed aligned cruciform slots communicating with said socket, a ball confined in said socket between the plates of insulation, a switch contact carried by the ball and extending toward the bottom of the casing, a stem carried by the ball and extending toward the top of the casing, a knob on the end of said stem, said stem and contact being receivable in said cruciform slots in the circuit closing positions of said contact, and a plurality of stationary switch contacts arranged radially on the bottom face of the lowermost insulating plate and selectively engageable by said movable switch contact.

2,139,587
SIGNAL LAMP
Christian F. Husemoller, Washington, D. C.
Application March 7, 1938, Serial No. 194,468
3 Claims. (Cl. 177—329)

1. A signal lamp comprising a substantially frusto-conical casing, a cylinder arranged in the

casing in axial alignment therewith, a disc secured to the cylinder intermediate the ends thereof and secured at the peripheral edge to the casing, a plurality of substantially triangular partitions secured to the front side of the disc and to the upper surface of the cylinder, a frustoconical lens member secured to the casing, said disc and partitions forming a plurality of con-



centrically disposed compartments, there being signal legends corresponding to the compartments on said lens member, a centrally located partition in said cylinder extending into said casing and forming upper and lower compartments in the cylinder and in the casing, panes closing the front ends of said compartments, and signal lamps in all of said compartments adapted to illuminate the signal legends and the panes.

2,139,588

ESTERS OF HYDROGENATED ABIETYL ALCOHOL AND METHOD OF PRODUCING

Irvin W. Humphrey, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 18, 1935, Serial No. 22,264

16 Claims. (Cl. 260—100)

11. A reaction product of hydrogenated abietyl alcohol with a carboxyl group of a compound selected from the group consisting of maleic acid, maleic anhydride, maleic anhydride-terpene addition product, maleic anhydride-rosin compound addition product and maleic anhydride-butadiene addition product.

2,139,589

HYDROLYSIS OF FATS AND OILS

Martin Hill Ittner, Jersey City, N. J., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware

Application June 6, 1936, Serial No. 83,991

2 Claims. (Cl. 260—415)

2. The method of hydrolyzing fats and fatty oils which comprises intimately contacting such fatty material with water by countercurrent flow, at a temperature of above about 200° C., said water being maintained in liquid condition by a pressure substantially above the saturation pressure of steam at the highest temperature employed, whereby the fatty material will dissolve water in amounts substantially in excess of the amount required to hydrolyze the fatty material while maintaining two liquid phases, the water being used in amounts sufficient to supply that required for hydrolysis, that dissolved in the fatty material, and that required to wash out and remove the glycerin from the fatty material as aqueous glycerin.

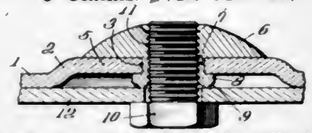
2,139,590

BOLT OR NUT LOCK

Clyde A. Jessop, Swartz Creek, Mich.

Application November 25, 1935, Serial No. 51,516

6 Claims. (Cl. 151—32)



1. In a device of the kind described, the combination with a piece of malleable material having an opening formed therethrough with the walls of the opening split and bent upwardly to form tongues, a headed threaded member provided with a neck portion enlarged to form an annular groove at the underside of the head adapted to be forced through the opening in said material and a threaded member cooperating with the first member by means of a second piece of material for forcing the upturned portions of said first material into a plane with one another within said groove for clamping the same therein.

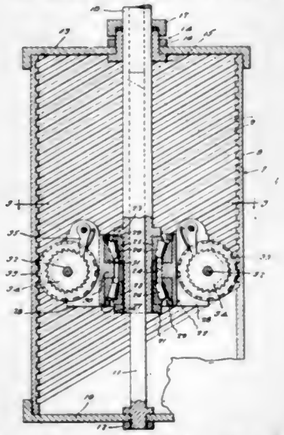
2,139,591

SHOCK ABSORBER

Artemio Fernandez Jimenez and Pablo Duarte Bello, Habana, Cuba

Application November 23, 1937, Serial No. 176,138

4 Claims. (Cl. 188—129)



1. In a structure of the class described, in combination, an axle, a spring mounted on said axle, a cylinder fixedly mounted on said axle adjacent the spring, a chassis disposed above the axle and spring, a bracket attached to and depending from the chassis, a plunger rod pivotally adjoined to said bracket and projecting into said cylinder, said cylinder having a spiral thread on its internal wall, a head located in the cylinder and rotatably arranged on the rod, a worm gear rotatably supported by the head and having its teeth engaging the spiral thread of the cylinder and ratchet means for the gear permitting rotary movement of the gear when the head moves downwardly and preventing such rotary movement of the gear when the head moves upwardly.

2,139,592

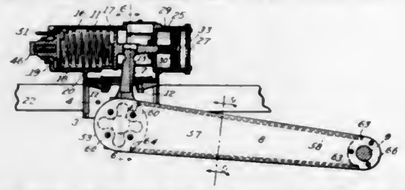
SHOCK ABSORBER FOR VEHICLES

Charles H. Kirby, Flint, Mich.

Application September 5, 1936, Serial No. 99,522

9 Claims. (Cl. 267—20)

1. A shock absorber for vehicles, including: a lever fulcrumed at one side of the vehicle's body on an axis extending horizontally and transversely thereof, having a vertically extending arm and an arm extending horizontally and longitudinally of said body and carrying at its free end one of the vehicle's supporting wheels; a block carried by said body having axially aligned spaced cylinders; a piston extending into the cylinders and engaging the first mentioned arm



of the lever therebetween; a cushioning spring in one of the cylinders for yieldingly resisting the relative movement of the lever and said body in one direction; a head of the piston in the other cylinder for yieldingly resisting said relative movement in the opposite direction by air pressure in said other cylinder, the spring and head operating independently of each other in resisting said movements respectively.

2,139,593

TOOTH BRUSH

Milton W. Kohler, Fairport, and Irving N. Kohler, Middleport, N. Y.

Application May 23, 1936, Serial No. 81,526

3 Claims. (Cl. 15—167)



1. In a brush of the class described, a handle member, a tooth treating element removably attached to the end of the handle member, said handle member having a hole at the end thereof with its axis arranged at right angles to the longitudinal axis of said handle member, said tooth treating element mounted on a stem, said stem having an offset portion, said offset portion passing through said hole in said handle member, and a slip ring engaging the end of said stem and locking it to said handle member, the ends of said stem lying on opposite sides of said hole and handle member and in planes parallel with the top of said handle member, to hold same in rigid relation to said handle member.

2,139,594

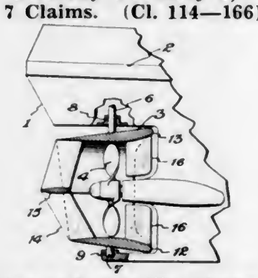
COMBINED PROPELLING AND STEERING DEVICE FOR SCREW PROPELLED SHIPS

Ludwig Kort, Hanover, Germany

Application June 25, 1937, Serial No. 150,398

In Germany February 8, 1936

7 Claims. (Cl. 114—166)



1. A steering and propelling device for a screw propelled ship comprising in combination, a tubular nozzle surrounding the propeller with the approximate longitudinal center thereof arranged adjacent the turning plane of the propeller blades, the internal dimension of the nozzle being such as to provide a relatively small clearance between the inner surface of the nozzle and the tips of the propeller blades, means carried by the stern of the ship for pivotably supporting the nozzle, the axis of the pivot supporting means extending through the propeller shaft and adjacent the turning plane of the propeller blades, the inner surface of the nozzle being so shaped that the cross sectional area behind the propeller does not change materially when the longitudinal axis of the nozzle is in alignment with the axis of the propeller shaft, the inner surface of the nozzle being enlarged sharply in front of the propeller to provide an entrance opening at the front edge which is substantially larger in cross sectional area than the exit opening, and the walls of the nozzle having airfoil profiles with well rounded entering edges.

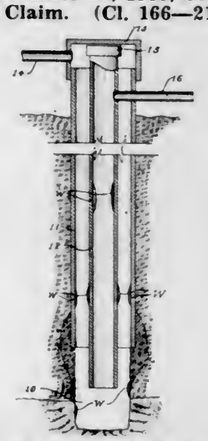
2,139,595

METHOD FOR DISSOLVING PARAFFIN AND WAX

William Bruce Lerch and Ted M. White, Bartlesville, Okla., assignors to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware

Application November 11, 1935, Serial No. 49,316

1 Claim. (Cl. 166—21)



The method of cleaning wells and well pipes of deposits of paraffin and wax which consists in introducing into a well hole a water miscible liquid wax solvent in the form of a column of liquid hydrocarbons containing a minor portion of modified fatty acid saponifying agent and flake naphthalene and causing said column of solvent to be reciprocated up and down in the well to dissolve the paraffin therein.

2,139,596

SUPPORT FOR MIRRORS OR THE LIKE

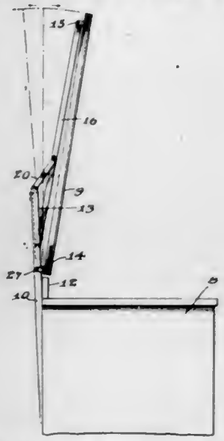
Valentine C. Luppert, Williamsport, Pa.

Application January 11, 1937, Serial No. 120,084

9 Claims. (Cl. 88—99)

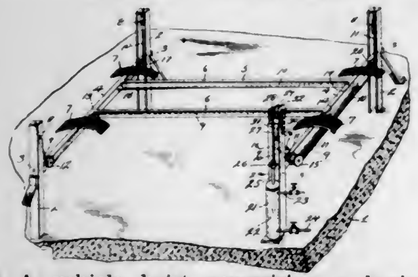
1. In combination, a post, a mirror having its lower edge portion pivotally connected to the post for movement about a horizontal axis, a rod having its upper end portion pivotally connected to the upper portion of the mirror, means pivotally and slidably connecting the lower end portion of the rod to said post, and means for yieldingly holding the mirror and rod in various positions of adjustment, said last-mentioned means comprising links pivotally and slidably connecting the medial portion of the rod with the post at a point above that where the lower end portion of

the rod is connected to the post, and friction means associated with the links for yieldingly



holding the links in various positions of adjustment.

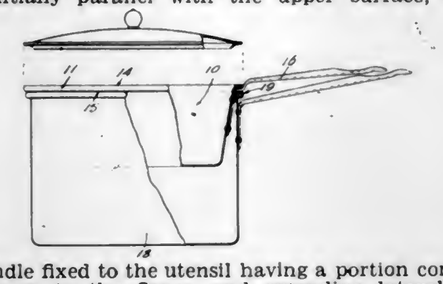
2,139,597
VEHICLE HOIST
Thomas A. Martin, New York, N. Y.
Application March 31, 1937, Serial No. 134,141
3 Claims. (Cl. 254—144)



1. A vehicle hoist comprising a horizontal frame, transverse bars carried by said frame and forming ends thereof, longitudinally disposed spaced connecting bars between the transverse bars, channeled posts at the corners of the frame, the ends of the transverse bars being slidably mounted in the channeled posts, cables anchored to the upper ends of the posts at one end of the frame, said cables extending downwardly, pulleys carried by the adjacent transverse bar and under which said cables extend, said cables extending inwardly and over pulleys carried by said last named transverse bar and thence forwardly under the connecting bars and over pulleys outwardly to one of the posts at the other end of the frame, said last named post being provided with a slidable block to which said cables are connected, means for moving said slidable block upwardly and downwardly, a cable carried by the remaining post, said cable extending downwardly and under pulleys carried by the other transverse bar and connected to the slidable block.

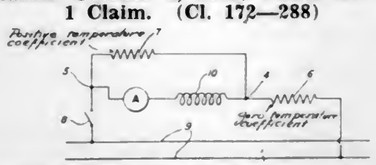
2,139,598
COOKING UTENSIL
Joseph B. McMullen, Washington, D. C.
Application November 7, 1934, Serial No. 751,923
Renewed May 11, 1938
4 Claims. (Cl. 53—8)

1. A cooking utensil having bottom and side walls, a flange extending outwardly from the side wall provided with an upper surface extending in a single plane and a lower surface extending substantially parallel with the upper surface, a



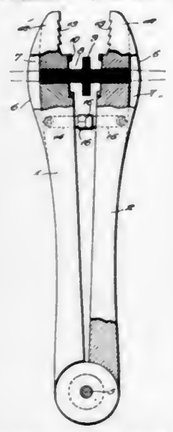
handle fixed to the utensil having a portion contiguous to the flange and extending laterally therefrom and lying within the plane of the upper and lower surfaces of said flange.

2,139,599
ELECTRICAL APPARATUS
Charles I. McNeil, Bloomfield, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application October 1, 1935, Serial No. 43,106
1 Claim. (Cl. 172—288)



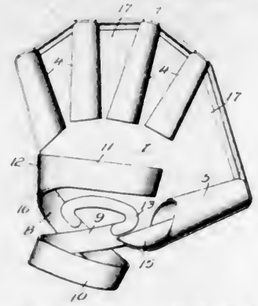
The combination with a direct current motor having armature and field windings in series, of a pair of resistors distinct from said field windings, said resistors having decidedly different reactions to temperature variations, one of said resistors being in series with the armature winding and the other in shunt.

2,139,600
WRENCH
William A. Parker, Lyles, Tenn.
Application January 25, 1937, Serial No. 122,256
1 Claim. (Cl. 81—118)



An end wrench comprising elongated companion handle members pivotally connected together at one of their ends, jaws at the opposite ends of the handle members, tapered screw means for adjusting the jaws toward and away from each other, links bridging the handle members and having one of their ends pivotally secured thereto, collars on the opposite ends of the links and disposed about the latter for holding the links together for slidable association, and said collars being engageable to limit outward movement of the jaws.

2,139,601
SWIMMING GLOVE
Alfred W. Piccardi, New York, N. Y.
Application July 7, 1937, Serial No. 152,458
1 Claim. (Cl. 9—21)



A swimming glove comprising a body including a single sheet of flexible material such as rubber and shaped to conform to the shape of the hand with the fingers and thumb extended, finger and thumb receiving stalls secured to the body and the portions of the latter between the stalls providing webs, a strap for disposal about the back of the hand and having one end formed on the body at the inner end of one side edge thereof, and its opposite end secured to the body intermediate the side edges, a second strap having one end formed on the inner end of the body and its opposite end secured to the body and first strap respectively, said second strap extending from the inner end of the body and being crossed in overlapped association to provide an endless wrist encircling band for cooperation with the stalls and the first strap for securing the glove to the hand, and a reinforcing strip secured to the inner end of the body and the ends of said strip being secured to the second strap.

2,139,602
METHOD OF RECLAIMING CATALYTIC MATERIAL FROM SPENT CATALYTIC MATERIAL
Murray Raney, Chattanooga, Tenn.
No Drawing. Application June 17, 1935, Serial No. 27,129
15 Claims. (Cl. 23—238)

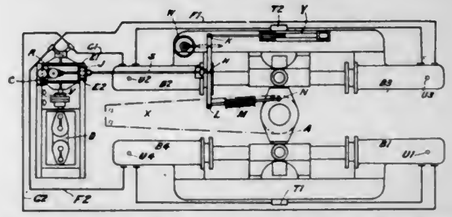
1. In a process of recovering catalytic metal from spent catalytic material and repreparing catalyst therefrom, oxidizing spent catalytic metal to an oxide of the metal, mixing together the resulting oxide and a quantity of metal having the property of reducing the oxide, and a sufficient excess to form an alloy with the catalytic metal, heating the resulting mixture to a temperature sufficiently high to cause the second named metal and the oxide to react to reduce the oxide and to form the alloy, and dissolving the said second named metal in a solvent that does not substantially affect the said catalytic metal.

3. In a process of recovering catalytic metal from spent catalytic material and repreparing catalyst therefrom, oxidizing spent nickel catalytic material, mixing together the resulting oxide and aluminum in sufficient quantity to reduce the oxide and sufficient excess to form an alloy with the nickel, heating the resulting mixture to a temperature sufficiently high to cause the aluminum and the oxide to react to reduce the oxide and to form the alloy, and dissolving the aluminum in a solvent that does not substantially affect the nickel.

2,139,603
VARNISHED PAPER
Arthur Reilly, Westbrook, Maine, assignor to S. D. Warren Company, Boston, Mass., a corporation of Massachusetts
No Drawing. Application August 20, 1936, Serial No. 97,080
15 Claims. (Cl. 91—68)

1. Process which comprises applying to a surface of a sheeted paper a coating of a composition consisting essentially of an aqueous solution of ammoniacal cobalt hydrate and an ammonium soap of a fatty acid derived from a drying oil, said solution containing resin dispersed therein in an amount from 1½ to 7½ times the fatty acids content, and drying the so-coated paper.

2,139,604
HYDRAULIC STEERING GEAR FOR SHIPS
William George Riddell, Highwood Hill, London, England, assignor to John Hastie & Company Limited, Greenock, Renfrewshire, England
Application October 29, 1936, Serial No. 108,289
In Great Britain August 10, 1936
3 Claims. (Cl. 60—52)



1. A steam-hydraulic steering gear for vessels comprising in combination rams for effecting movement of the vessel's rudder, a variable stroke hydraulic pump for delivering pressure liquid to operate the rams, a steam engine for driving the pump, means for continuously supplying a sufficient quantity of steam to the engine to maintain its operation under light load, a main steam supply for said engine, a main, normally closed, steam valve for controlling the main steam supply to the engine, control means associated with the steering wheel for simultaneously applying stroke to the variable stroke pump and opening the main steam valve of the engine when the steering wheel is operated, and a hunting gear operative to close the main steam valve and reduce the pump stroke to zero simultaneously when the rudder of the steering gear reaches the desired position.

2,139,605
BLOCK FOR PULLEY TACKLES
Ane Pieter Schat, Utrecht, Netherlands
Application May 3, 1937, Serial No. 140,513
In Germany May 8, 1936
2 Claims. (Cl. 254—195)

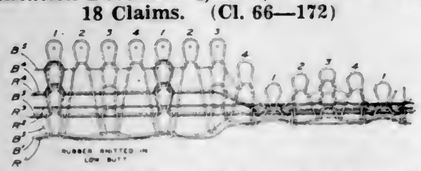
1. A block for a pulley tackle, comprising in combination a pulley, a pin on which said pulley is rotatably mounted, suspension means, a casing having walls tapering in a direction away from

said means, and a wedge member fitted between said walls and mating the same, said member



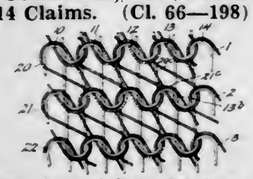
having a slot engaged by said pin so as to be adapted for reciprocation in said direction between predetermined limits.

2,139,606
KNITTED HOSIERY AND METHOD OF MAKING SAME
Walter William Scholz, Woodstock, Ontario, Canada, assignor to Scott & Williams, Incorporated, New York, N. Y., a corporation of Massachusetts
Application December 4, 1936, Serial No. 114,275
18 Claims. (Cl. 66—172)



1. A plain knit stocking having a selvage top containing relatively elastic and inelastic yarns in each of a plurality of courses, recurrent loops drawing together a plurality of such courses to form a bead about the top of the stocking.

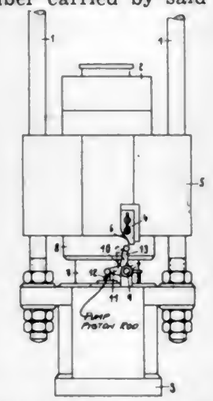
2,139,607
KNITTED FABRIC
Nathan Schwartz, Upper Darby, Pa.
Application October 18, 1937, Serial No. 169,707
14 Claims. (Cl. 66—198)



1. A nonrun knit fabric having one face of regular loops knit from one thread in normal courses, and the other face of transferred loops only knit in continuous sequence in auxiliary courses from different thread.

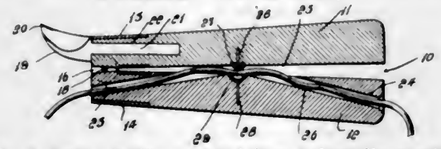
2,139,608
EXPLOSION ACTUATED PERCUSSION TOOL
Karl Seidl, Munich, Germany
Application March 20, 1936, Serial No. 69,892
In Germany January 29, 1935
2 Claims. (Cl. 123—7)

1. In explosion operated percussion tools of the type described, in combination a hammer containing a compression cylinder, a piston adapted to enter said cylinder, a fuel injection pump, a rocking lever for operating said pump, a control member carried by said hammer for



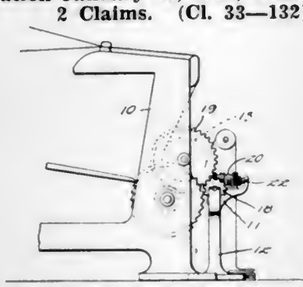
actuating said rocking lever on the descent of said hammer, and means mounting said control member on said hammer for adjustment with respect thereto to predetermine the instant of operation of the pump by said control member.

2,139,609
TYING KNIFE
Adelbert E. Thomas, Rockland, Mass.
Application June 24, 1937, Serial No. 150,195
4 Claims. (Cl. 30—127)



3. A tying knife comprising a handle portion formed of spaced sections between which twine is adapted to be threaded, a cutting blade mounted on one end of said handle, a convex member secured to one of said sections and extending into the space between the sections, and a concave member mounted in the other section and opening into said space to receive said convex member, the twine adapted to pass between said concave and convex members and to be clamped therein.

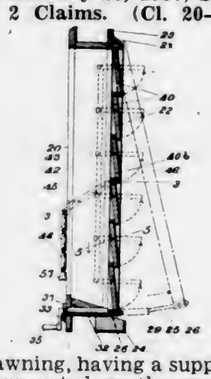
2,139,610
MEASURING DEVICE FOR LOOMS
William A. Tilton, Piqua, Ohio
Application January 20, 1938, Serial No. 185,969
2 Claims. (Cl. 33—132)



1. A measuring device for looms comprising a supporting bracket, a shaft journaled on the bracket, a worm gear fixed to the shaft, a worm adapted to be driven by the loom and meshing

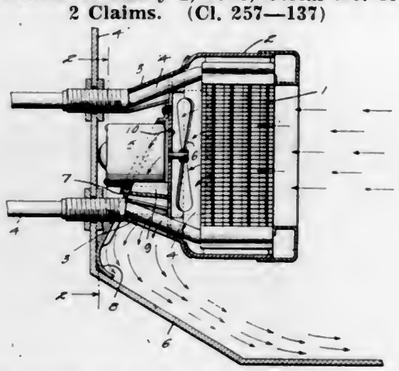
with the worm gear, a worm drum loosely mounted on the shaft, a rubber washer mounted on the shaft between one end of the worm drum and worm gear, a clutch connected with the shaft and with the other end of the worm drum and forming means by which the drum may be moved axially of the shaft into or to be freed from, driving engagement with the washer and therethrough by the worm gear, a starting post fixed to the worm drum, a collar mounted upon the worm drum for adjustment axially therealong, a traveler mounted on the worm drum between the starting post and the collar and engaging the worm drum to be fed therealong as the drum is rotated, an arm on the traveler, and a stationary guide parallel to the axis of the drum and slidably receiving the arm during movement of the traveler longitudinally of the worm drum.

2,139,611
AWNING
Floyd D. Welch, Shreveport, La.
Application January 25, 1937, Serial No. 122,294
2 Claims. (Cl. 20—59)



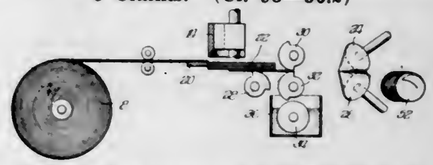
1. In an awning, having a support and a swingable frame mounted on the support, a plurality of pivotally mounted slats in the frame, a bar having pivotal connections with the slats, a keeper on the support, a latching means connected with the bar and including a plurality of removably connected links, each link having a plurality of notches along the length thereof to engage the keeper, said latching means adapted to move the bar for opening and closing the slats.

2,139,612
HEATER FOR AUTOMOBILES
Savannah W. Wilson, Johnstown, Pa.
Application February 1, 1938, Serial No. 188,162
2 Claims. (Cl. 257—137)



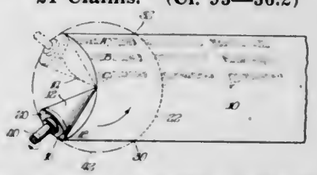
1. A heater for automobiles comprising, a hollow casing having an air inlet opening at the front thereof, a heat exchange unit in said casing covering the air inlet opening of the casing, the casing having an outlet opening at the rear thereof, an inclined deflector covering the outlet of the casing, said deflector extending rearwardly and downwardly, the lower end portion of said deflector terminating in a plane below the casing and being curved forwardly and adapted to rest tangentially on the inclined portion of the floor board and abutting the adjacent front partition of the vehicle body, a motor received in an opening provided therefor in said inclined deflector, a relatively narrow supporting element for the motor within said casing, and a fan driven by said motor and located within the casing between the motor support and said heat exchange unit.

2,139,613
METHOD OF MAKING CONICAL CONTAINERS
Walter E. Amberg, Chicago, Ill., assignor to Universal Paper Products Company, Chicago, Ill., a corporation of Illinois
Application April 27, 1938, Serial No. 204,671
6 Claims. (Cl. 93—36.2)



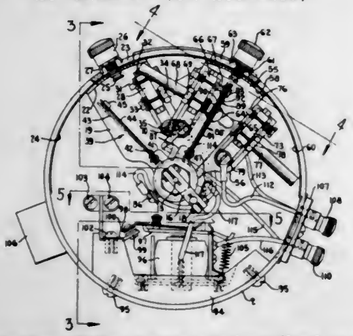
1. In the art of forming conical receptacles, the step which comprises severing a continuous strip of sheet material from an edge thereof transversely of its longitudinal axis along successive arcs curving in the same direction and of the same radii with all of the centers of said radii on the same straight line joining their centers and with said successive arcs being spaced apart at the straight line joining their centers at least a distance equal to the radii of curvature whereby successive blanks are formed having a convex side adapted to form the mouth of the receptacle and a concave side with the center of radius of curvature of the convex side not substantially outside of the blank, and successively forming conical vessels by rolling each blank around a point substantially at the center of radius of curvature of the convex side.

2,139,614
METHOD AND MACHINE FOR MAKING PAPER CUPS
Walter E. Amberg, Chicago, Ill., assignor to Universal Paper Products Company, Chicago, Ill., a corporation of Illinois
Application April 27, 1938, Serial No. 204,672
21 Claims. (Cl. 93—36.2)



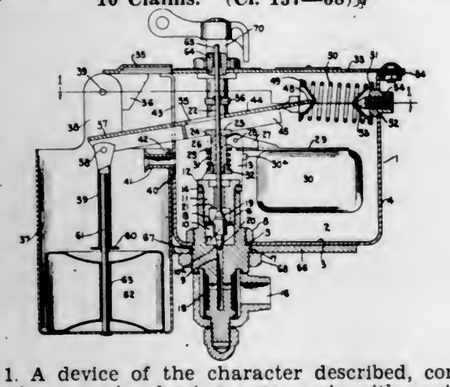
1. That improved process of making a cone-shaped vessel having a pointed apex, which consists in forming the vessel by winding it upon the unsevered end of a continuous strip of paper and progressively severing the vessel from the end of said strip as it is being wound.

2,139,615
HEATING APPARATUS AND CONTROL MEANS THEREFOR
Earnest J. Dillman, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Original application May 19, 1934, Serial No. 726,586. Divided and this application September 7, 1935, Serial No. 39,578
20 Claims. (Cl. 200—138)



1. A device of the character described, comprising a supporting structure, a rotatable operating shaft journaled in said structure, means to rotate said shaft, a crank member fixed on one end of said shaft, a bearing sleeve surrounding said shaft and fixed to said structure, a switch arm positioned between said structure and said crank member and journaled on said sleeve for movement thereabout by said crank member, a contact member engageable by said arm, and a spring urging said arm and said crank member into engagement.

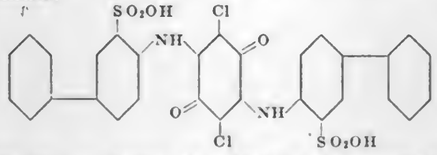
2,139,616
CONTROL DEVICE
Andrew K. Foulds, Grosse Pointe Park, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application January 3, 1933, Serial No. 649,940
10 Claims. (Cl. 137—68)



1. A device of the character described, comprising a casing having a reservoir with an inlet and an outlet, means controlling said inlet, said means having a stem, a float having a lost-motion connection with said stem and operable to maintain a substantially constant liquid level in said reservoir, a lever cooperable with said stem to close said inlet, overcenter means acting on said lever, said last-named means exerting its force in one position to maintain said lever inactive and exerting its force of movement overcenter to urge said lever into cooperable engagement with said stem whereby to close said inlet, stop means engageable by said lever upon its movement to inactive position to limit movement of said lever, and a float responsive to a predetermined increase of liquid level above said constant level and operable to move said overcenter means overcenter, said lost-motion connection permitting movement of said stem relative to said first-named float upon engagement of said lever with said stem.

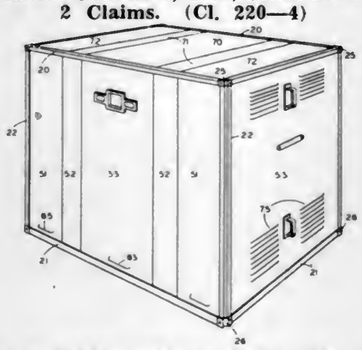
2,139,617
DYESTUFF-SULPHONIC ACID OF THE DIOXAZINE SERIES
Heinrich Greune and Max Thiele, Frankfort-on-the-Main-Hochst, and Gerhard Langbein, Hofheim in Taunus, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application January 20, 1936, Serial No. 59,994. In Germany January 23, 1935
1 Claim. (Cl. 260—246)

The product identical with that obtained by heating about 1 part of a compound of the formula:



dissolved in about 20 parts of sulphuric acid monohydrate to a temperature such that a test of the solution poured into water gives a reddish coloration, maintaining said temperature for about two hours, and thereafter recovering the dyestuff product, said product being a dyestuff which dyes cotton and viscose artificial silk red tints.

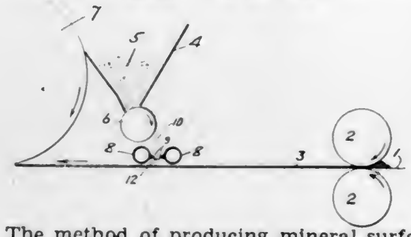
2,139,618
CASING FOR BOILERS, HEATER UNITS, AND AIR CONDITIONING UNITS
Mora S. Hall, Westminster, Md., assignor to May Oil Burner Corporation, a corporation of Maryland
Application October 8, 1936, Serial No. 104,721
2 Claims. (Cl. 220—4)



1. In a heater casing of box-like contour adapted for knockdown shipment, for ready setting up and ready disassembly, a framework having upper and lower channelled rail members; corner post members presenting smooth abutting faces to adjacent panel members; corner pieces and gusset pieces, whereby said rails and said posts are joined together and made rigid at their junction by means of screws; a plurality of sheet metal panel wall members, having flanged vertical edges, independent of each other and of said framework, said flanged edges abutting each other and said corner post members, whereby said panels are fixed with respect to lateral movement; means whereby said wall panel members

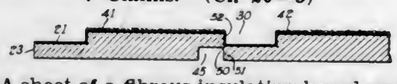
may be quickly set up and maintained in vertical position by said upper and lower channel members and may be quickly removed from said channel members independently of each other without the use of tools; said upper channel members provided with inwardly horizontally extending shelf-like flanges; a plurality of sheet metal panel members with inwardly extending flanges abutting each other and said upper channelled rail members and resting upon said shelf-like flanges whereby a top for said casing is provided said top panel members removable independently and separately from said casing without the use of tools.

2,139,619
METHOD FOR THE PRODUCTION OF MINERAL SURFACED ROOFING
Henry Clay Howell, Rahway, N. J., assignor to Barber Asphalt Corporation, a corporation of New Jersey
Application February 15, 1937, Serial No. 125,706
5 Claims. (Cl. 91—70)



1. The method of producing mineral surfaced roofing which comprises providing a bitumen coated base, and while the bitumen coating is in a heated state, applying thereto granules heated locally of their surfaces only, the temperature to which the granules are heated locally of their surfaces being such with respect to the temperature of the bitumen that the granules will not become totally embedded in the bitumen.

2,139,620
SIDING ELEMENT AND METHOD OF MAKING THE SAME
Lester Kirschbraun, New York, N. Y., assignor to The Patent and Licensing Corporation, New York, N. Y., a corporation of Massachusetts
Application January 30, 1937, Serial No. 123,092
7 Claims. (Cl. 20—5)

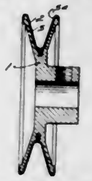


1. A sheet of a fibrous insulating board grooved longitudinally on one face thereof to define a plurality of siding elements, each element comprising a row of brick simulating fields spaced from one another by transverse grooves, said elements being maintained in sheet form by thin readily severable portions extending adjacent one boundary of each of said longitudinal grooves.

2,139,621
PREPARATION OF GUANYL-UREA SULPHONIC ACID
Hans Z. Lecher, Plainfield, and Alan E. Pierce, Bound Brook, N. J., assignors to The Calco Chemical Company, Inc., Bound Brook, N. J., a corporation of Delaware
No Drawing. Application July 12, 1937, Serial No. 153,278
14 Claims. (Cl. 260—125)

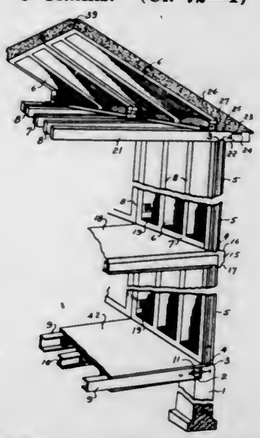
10. A method of preparing guanyl-urea-N-sulphonic acid which comprises heating guanyl-urea sulphate in the presence of an inorganic acid halide at 60–160° C.

2,139,622
METAL PULLEY
John H. Lonskey, Ypsilanti, Mich., assignor to Central Specialty Company, Ypsilanti, Mich., a corporation of Michigan
Application July 10, 1935, Serial No. 30,590
3 Claims. (Cl. 74—230.5)



2. A composite metal pulley consisting of a rim of sheet metal shaped to provide a rim of V form in cross section, a metal body cast onto the said rim section and providing the sole support therefor, said rim having the terminal edges reversely bent to receive the cast metal and having portions at its inner periphery interlocking with the cast metal to prevent relative rotation of the rim and body.

2,139,623
PRECAST HOLLOW SLAB CONCRETE CONSTRUCTION SYSTEM
James Edgar Marston, Bralorne, British Columbia, Canada
Application October 13, 1937, Serial No. 168,818
9 Claims. (Cl. 72—1)

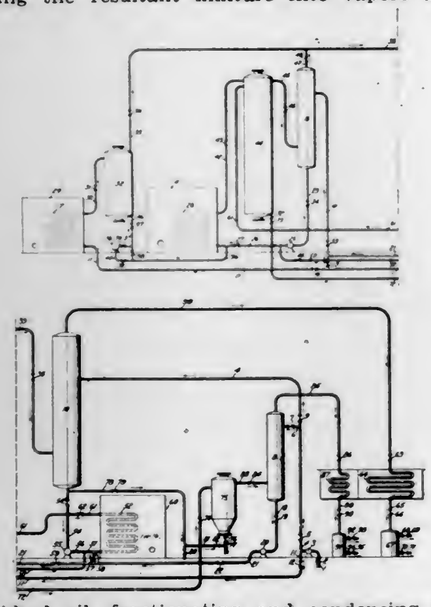


1. In sectional concrete construction, a concrete slab having a metal frame composed of a marginal frame of channel iron and intermediate parallel bars of I beams, one face of the slab being plane and the other face having semi-elliptical grooves between the parallel I-beam portions.

2,139,624
PROCESS FOR TREATING HYDROCARBON OILS
Jacque C. Morrell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Continuation of application Serial No. 458,715, May 31, 1930. This application August 11, 1933, Serial No. 684,747. Renewed September 11, 1937
3 Claims. (Cl. 196—48)

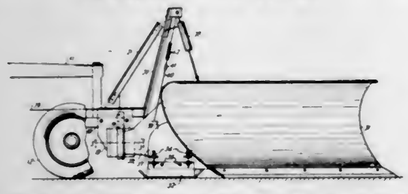
1. A process for treating crude oil which comprises heating the crude sufficiently to vaporize

light and intermediate fractions thereof and separating the same into vapors and unvaporized oil, fractionating the vapors to separate the intermediate fractions as reflux condensate from the light fractions, subjecting the unvaporized oil to cracking conditions of temperature and pressure, heating the reflux condensate in a heating zone to higher cracking temperature than and then commingling it with the unvaporized oil, separating the resultant mixture into vapors and



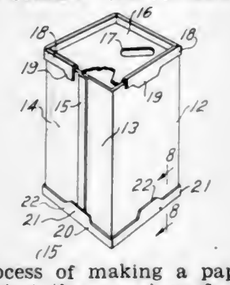
residual oil, fractionating and condensing the last-named vapors, flash distilling said residual oil by pressure reduction, fractionating the resultant flashed vapors to condense heavier fractions thereof as flash reflux, retreating a portion of the flash reflux in admixture with said unvaporized oil, supplying another portion of the flash reflux to said heating zone for heating therein in admixture with said intermediate fractions of the crude, and finally condensing the fractionated flashed vapors.

2,139,625
PLOW
Hugo E. Pruss, Berkeley, Calif., assignor to Snow Removal Equipment Company, San Francisco, Calif., a firm composed of William B. Vestal, Hugh Jacks, and Lynn Coovert
Application November 2, 1936, Serial No. 108,769
14 Claims. (Cl. 37—42)



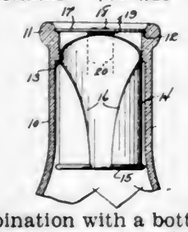
1. The combination with an automotive vehicle of a transverse bolster attached to said vehicle rotatable in a substantially vertical plane transverse to the vehicle and secured to transmit longitudinal thrust to said vehicle, a plow frame extending longitudinally from one end of said vehicle having a plow attached thereto at one end thereof, slide means interposed between the other end of the frame and said bolster arranged to permit said other end of the frame to be adjusted vertically with respect to said bolster, means to lock said slide means in an adjusted position, said bolster being arranged and constructed to permit said frame to be swung upwardly about a horizontal transverse axis at the second end of the frame.

2,139,626
PAPER CONTAINER FOR FLUID
Melvin H. Sidebotham, West Newton, Mass., assignor to Specialty Automatic Machine Company, Medford, Mass., a corporation
Application October 4, 1935, Serial No. 43,499
2 Claims. (Cl. 93—39.1)



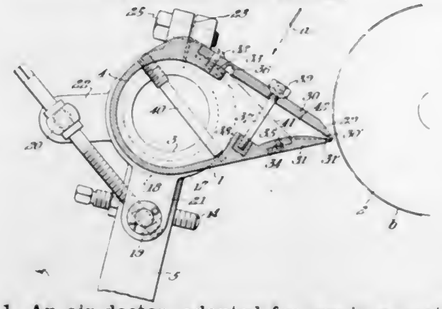
1. The process of making a paper container which comprises the creasing of a rectangular blank, applying an adhesive to a side edge thereof, folding the edges of the blank so that the adhesively treated edge overlaps the opposite edge of the blank, applying pressure externally on the folded blank to permanently seal the overlapped edges thereof, opening the folded blank to tubular condition, forming two rectangular blanks to provide end closures for the body, said end closure blanks having foldable marginal portions projecting therefrom, the ends of said marginal portions being separated from each other by V-shaped spaces, said V-shaped spaces being formed by making an acute angle cut-out at each corner of the blank, folding the marginal portions to provide recesses, applying adhesive to the recessed portions of the end closures, assembling the end closures to the ends of the body structure and permanently sealing the said ends to the body structure by externally applied pressure.

2,139,627
SANITARY DRINKING SPOUT AND BOTTLE CAP
Raymond E. Simons, Fairview, Caseyville Township, St. Clair County, Ill.
Application February 8, 1938, Serial No. 189,393
3 Claims. (Cl. 215—73)



1. The combination with a bottle neck having a bead provided with a seat and provided with a stop shoulder on the inner wall below the seat, of a split cylindrical spout, a bead on the bottom of the spout engageable with said stop shoulder to limit withdrawal of said spout from the neck, and a cap hinged to the free end of the spout and adapted to seat in said seat in the bottle neck to seal the bottle.

2,139,628
AIR DOCTOR
Killey E. Terry, Cumberland Mills, Maine, assignor to S. D. Warren Company, Boston, Mass., a corporation of Massachusetts
Application May 6, 1936, Serial No. 78,235
11 Claims. (Cl. 91—18)



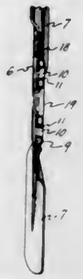
1. An air doctor, adapted for use in a coating machine, for producing a thin, elongated, high-velocity substantially non-divergent stream of gaseous fluid, comprising an elongated plenum chamber of relatively large cross-sectional area, converging walls defining a throat portion communicating with said plenum chamber which throat walls terminate in spaced complemental lips forming a discharge orifice, the outer edges of said lips being straight and parallel and coextensive with said throat portion and said plenum chamber, one of said lips providing a curved surface convex to the other lip, and said throat portion being relatively short in a direction normal to the major axis of the plenum chamber and having its walls rapidly approaching each other in the direction of the orifice whereby greatly to increase the momentum of a gaseous fluid moving under pressure from said plenum chamber to said orifice.

2,139,629
DRY CLEANING PROCESS
William H. Alton, Westport, Conn., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application November 3, 1936, Serial No. 108,978
7 Claims. (Cl. 196—15)

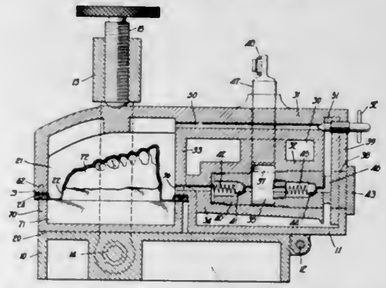
1. In the dry cleaning of fabrics, the improvement which comprises adding to the dirty dry cleaning liquid a pulverized adsorbent mineral and then adding a mineral acid effective to precipitate dirt and other impurities, and agitating, whereby the dirt and other impurities are precipitated as a sludge which is deposited on the fine particles of the pulverized mineral material.

2,139,630
FAN ASSEMBLY
Beecher B. Cary, Jackson, Mich., assignor to Hayes Industries, Inc., Jackson, Mich., a corporation of Michigan
Application November 13, 1937, Serial No. 174,387
6 Claims. (Cl. 170—173)

1. A fan of the character described, comprising a plurality of blades having a hub, and a plate secured to the rear side of said hub, said hub and plate having disposed therebetween a plurality of separating devices, said hub and plate having a central rotative axis and said separating devices being spaced from and spaced about said axis.



2,139,631
FOILING METHOD
Israel J. Dresch, Toledo, Ohio, and George S. Weith, Caldwell, N. J., assignors to Bakelite Dental Products, Inc., New York, N. Y., a corporation of Delaware
Application March 28, 1936, Serial No. 71,516
1 Claim. (Cl. 18—55.1)

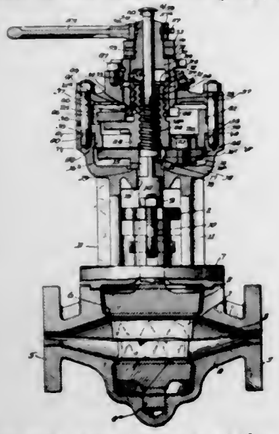


The process of foiling a wax denture pattern subject to deformation under applied pressure which comprises mounting a sheet of foil on the denture pattern, covering the sheet with a flexible diaphragm and applying an equalized fluid pressure to the diaphragm to exert equal pressure on the entire sheet simultaneously.

2,139,632
ROTARY VALVE OPERATING MECHANISM
Victor E. Flodin, Oak Park, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application November 7, 1936, Serial No. 109,651
5 Claims. (Cl. 251—97)

1. In combination with a valve of the rotary plug type having a threaded valve stem for the plug thereof, actuating mechanism for the said valve comprising superposed means consisting respectively of an actuating threaded member and upper and lower pawl arm members, the latter members being concentrically mounted relative to the axis of rotation of the said stem and serving to rotate the said stem in a direction for moving the said plug to open and closed positions, a portion of the said stem being threadedly journaled within the said upper pawl arm member, pivotally mounted detent means upon each of the said pawl arm members for holding the said valve plug against rotation in the opposite direction effective at only those circumferential positions at which the valve plug is in either a maximum opened or closed position, an annularly disposed, immovably mounted indexing member being engageable by one of the said detent means at the

open position of the said valve plug, and by the



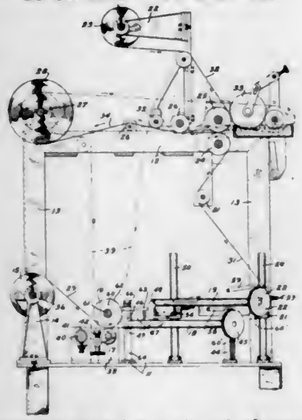
other of the said detent means at the closed position of the said valve plug.

2,139,633

ART OF SYNCHRONIZING RIBBON SPEEDS AND OF PRODUCING COMPOSITE RIBBONS

Roy E. Hanson, Wauwatosa, and George O. Frostad, Milwaukee, Wis., assignors to Milprint Products Corporation, Milwaukee, Wis., a corporation of Delaware

Application May 27, 1937, Serial No. 144,992
15 Claims. (Cl. 164—65)



1. In combination, a pair of elongated guide members having intersecting axes, a second pair of elongated guide members also having intersecting axes and being disposed parallel to the members of said first mentioned pair, means for rotating each of said guide members about its axis, and means for advancing two ribbons of stock in contact with and in a direction opposite to the direction of movement of the ribbon engaging portions of the complementary members of both pairs to separate said ribbons a predetermined distance.

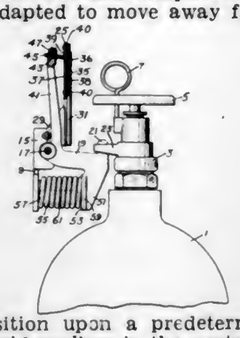
2,139,634

FIRE EXTINGUISHER SUPPORT

Henry Ernest Heigis, West Orange, N. J., assignor to Walter Kidde & Company, Inc., Bloomfield, N. J., a corporation of New York

Application March 28, 1936, Serial No. 71,359
10 Claims. (Cl. 116—114)

1. In an indicator for a predetermined loss of the fluid medium in a fire extinguisher, a base, a member rotatably associated with the base to support the fire extinguisher, a spring to yieldingly oppose rotation of the member, an indicator proper associated with the base, a cover for the indicator proper, an arm on the member, a pin associated with the arm adapted to support the cover but adapted to move away from the sup-



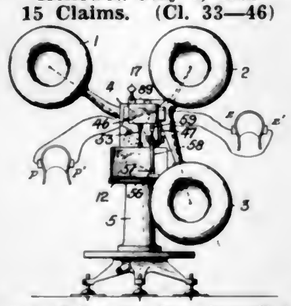
porting position upon a predetermined loss of weight of fluid medium in the container, whereby the cover will drop from its concealing position, and an adjustment screw to permit change of position of the pin with relation to the arm in order to determine the loss of weight which is to be indicated.

2,139,635

UNIVERSAL ANTIAIRCRAFT SIGHT

Frank R. House, Baldwin Harbor, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application June 30, 1936, Serial No. 88,082
Renewed July 7, 1938
15 Claims. (Cl. 33—46)



1. In a sound locator for aircraft targets, the combination with sound responsive receivers mounted for turning in azimuth and elevation, a sight mounted thereon for turning movements in like planes, a spaced false target, and means for maintaining the said false target in the true line of sight from said sight to the aircraft including means for displacing the said false target from the indicated sound position line proportionally to the estimated speed of the aircraft, and means for determining the direction of such displacement from the azimuth and elevation movements of said receivers.

2,139,636

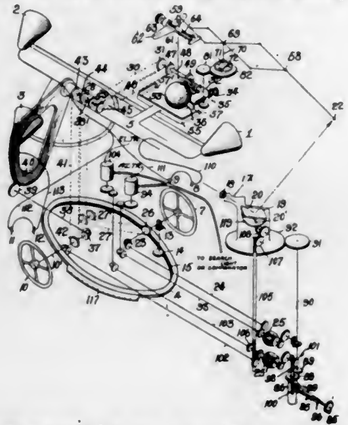
NOCTURNAL ANTIAIRCRAFT FIRE CONTROL DEVICE

Frank R. House, Baldwin Harbor, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application May 21, 1937, Serial No. 144,018
10 Claims. (Cl. 33—46)

1. In a sound locator for aircraft targets, the combination with sound responsive receivers mounted for turning in azimuth and elevation

and a searchlight located at a distance therefrom, a sight mounted adjacent said receivers for turning movements in like planes, a spaced false target, and means for maintaining said false target in the true line of sight from said sight to the aircraft, including means for displacing said false target from the sound position line as determined by said receivers proportionally to the



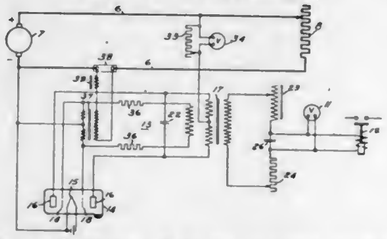
estimated speed of the aircraft, means for determining the direction of such displacement from the azimuth and elevation movements of said receivers, and means for giving said false target an initial lateral displacement respectively proportional to and opposite to the distance and direction of the searchlight from the sound locator, whereby the proper parallax is introduced for all positions of the sound locator.

2,139,637

ELECTRIC CONTROL SYSTEM

Didier Journeaux, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application August 23, 1935, Serial No. 37,458
12 Claims. (Cl. 175—320)



1. In combination, a direct current circuit, an alternating current circuit, a direct current inverting system having input terminals connected with said direct current circuit to receive current therefrom and having output terminals, and impedance means of value variable with the voltage impressed thereon and connecting the output terminals of said system with said alternating current circuit.

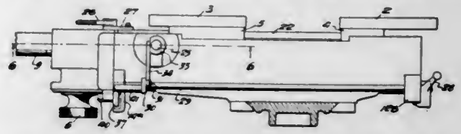
2,139,638

VISE FOR TYPOGRAPHICAL MACHINES

Allie Horace Kelley, Jr., Memphis, Tenn., assignor to Intertype Corporation, Brooklyn, N. Y., a corporation of New York

Application December 13, 1937, Serial No. 179,523
13 Claims. (Cl. 199—50)

1. In a typographical machine having a matrix line confining jaw provided with means for adjusting it inwardly for lines of different lengths, and means for moving such jaw inwardly away from the adjusting means for quadding or cen-



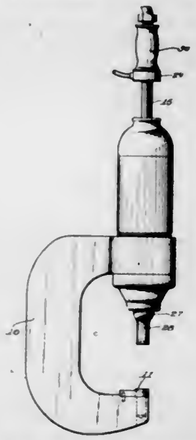
tering lines, means for connecting said jaw to its adjusting means for movement outwardly therewith, said connecting means being releasable upon actuation of the jaw by the quadding and centering means.

2,139,639

PORTABLE HYDRAULIC RIVETER

Arthur F. Macconochie, Charlottesville, Va., assignor to Chambersburg Engineering Company, Chambersburg, Pa., a corporation of Pennsylvania

Application March 4, 1937, Serial No. 129,053
4 Claims. (Cl. 78—52)



1. In a device of the type described, a support, a die mounted in the support, a cylinder guide in the support and bodily movable toward and away from said die, a piston in the cylinder and supporting a die for co-action with the first-named die, and means operated by introduction of fluid pressure to the cylinder for locking the cylinder in adjusted positions in the support.

2,139,640

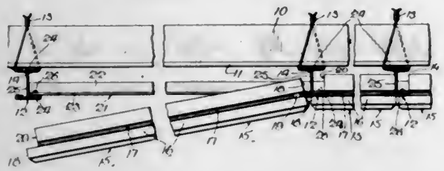
METHOD FOR METALIZING SURFACES

Eugen Mall, Stuttgart-Bad Cannstatt, and Walter Dorn, Stuttgart, Germany, assignors to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany

No Drawing. Application March 17, 1937, Serial No. 131,532. In Germany March 30, 1936
13 Claims. (Cl. 41—18)

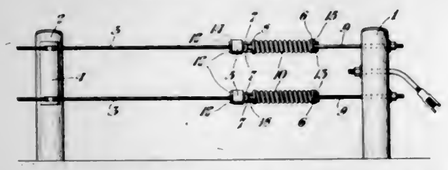
13. A method for the manufacture of metallic reactances comprising applying a thin coating of a vaporizable precipitation inhibiting substance in meandering form to a portion of the surface of an insulating material and then metalizing said insulating material by thermal vaporization of metal in vacuo whereby the metal is deposited on the uncoated portion of said insulating material in meandering form.

2,139,641
PANEL MOUNTING ASSEMBLY
Carl L. Neumeister, Oak Park, Ill.
Application September 3, 1935, Serial No. 38,884
8 Claims. (Cl. 72—68)



7. A panelled construction comprising spaced supporting rails with panels mounted thereon, the panels having kerfs in three of its edges and a projecting flange on a 4th edge, the supporting rails each having an inwardly projecting flange, the flange of one rail engaging a kerf of a panel, splines engaging the other kerfs of the panel and at their opposite ends supported on the flanges of the rails, the projecting flange of the panel projecting under the flange of an adjacent rail.

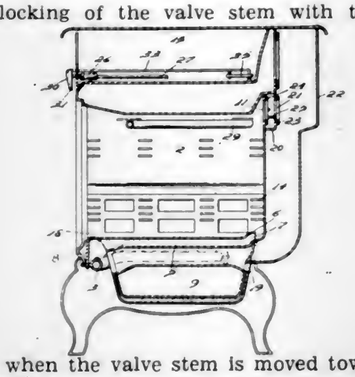
2,139,642
TENSIONING ASSEMBLY
Alfred Osolin, Shaker Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application May 27, 1938, Serial No. 210,543
4 Claims. (Cl. 267—72)



1. An assembly for tensioning oppositely extending, alined cable or bar elements, said assembly including oppositely spaced parts, rods interconnecting said parts, a reciprocative member between said parts, said elements respectively connecting with one of said parts and with said member, and a compression-coil spring between the other of said parts and said member, said elements terminating at said one of said parts and said member, and said other of said parts having an opening for the passage of the one of said elements extending from said member, said spring surrounding said rods and being held thereby concentric respecting said elements.

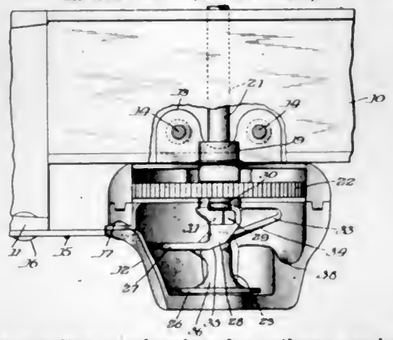
2,139,643
RANGE
Frank H. Schneider, Royersford, Pa., assignor to The Floyd-Wells Company, Royersford, Pa., a corporation of Pennsylvania
Application October 13, 1937, Serial No. 168,830
4 Claims. (Cl. 126—39)

1. The combination with a wall of a range, of a valve positioned inwardly of said wall having a valve body, a valve plug and a valve stem, said valve stem extending through said wall and being normally disconnected from said plug, said valve stem and plug having interlocking means to lock them together when the valve stem is moved towards the valve plug, a spring between the valve stem and valve plug, a grasping handle for the valve stem, and a damper actuating member actuated by said grasping handle prior to the interlocking of the valve stem with the valve



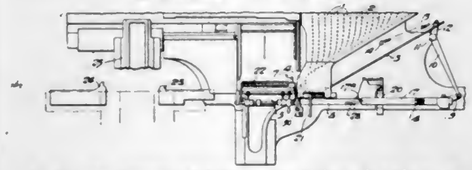
plug when the valve stem is moved towards the valve plug.

2,139,644
BRAKE MECHANISM
Henry C. Smith, Chicago, Ill., assignor to Superior Hand Brake Co., Chicago, Ill., a corporation of Illinois
Application October 24, 1935, Serial No. 46,477
12 Claims. (Cl. 74—505)



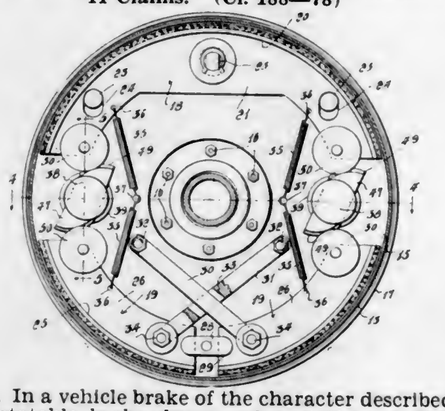
1. A winding mechanism for railway car brakes comprising, in combination, a housing, gear means adapted to cooperate with brake operating mechanism, a rotatably mounted sheave in operative connection with said gear means having a plurality of chain receiving channels therein and chain attaching means thereon and having a plate intermediate its ends extending partially therearound, the said sheave having a radially extending portion on the opposite side thereof from said plate having an inclined lower surface, the said housing having a brake chain guide channel therein at one side thereof extending inward and upward on the inner side of said housing.

2,139,645
ASSEMBLING ELEVATOR LOCK
Arthur G. Sperry, Hollis, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y., a corporation of New York
Application March 3, 1938, Serial No. 193,775
11 Claims. (Cl. 199—26)



1. In a typographical machine having a receptacle for the assembling therein of lines of matrices of a predetermined length and movable to transfer such matrix lines therefrom, locking means normally inactive and movable in response to the length of the matrix lines in said receptacle, and means for rendering said locking means active for movement into engagement with said receptacle to prevent matrix line transferring movement thereof.

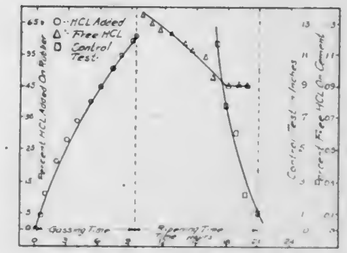
2,139,646
VEHICLE BRAKE
Rube A. Avery, Hot Springs, Ark.
Application February 21, 1938, Serial No. 191,768
11 Claims. (Cl. 188—78)



1. In a vehicle brake of the character described, a rotatable brake drum and a stationary disk, three brake shoes carried by the disk, one of the brake shoes having a braking surface substantially equal to the braking surface of the other two shoes, the latter shoes being spaced from each other at adjacent ends, the larger brake shoe being of the radially slidable type and cam devices interposed between the ends of the radially slidable brake shoe and the outer ends of the other pair of brake shoes, crossed arms adjustably mounted at their inner ends on the disk and pivotally mounted at their outer ends on adjacent ends of said pair of brake shoes.

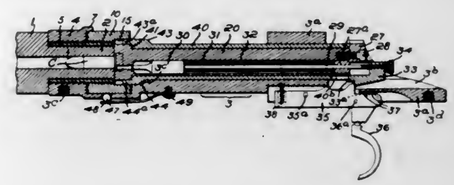
2,139,647
RUBBER HYDROCHLORIDE
William C. Calvert, Chicago, Ill., assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application May 6, 1937, Serial No. 141,111
In Germany January 20, 1934
11 Claims. (Cl. 260—1)

1. In the process of producing rubber hydrochloride by hydrochlorination of a rubber cement, the steps which comprise rapidly introducing into the cement an excess of hydrogen chloride over that required for theoretically complete chemical saturation of the rubber thereby effecting hydrochlorination of the rubber, then, after chemical addition of hydrogen chloride to the



rubber has nearly ceased, allowing the rubber hydrochloride cement to ripen in the presence of the excess of hydrogen chloride without substantial change in the chlorine content of the rubber hydrochloride, and terminating the ripening process before it has gone to completion by neutralizing the hydrogen chloride.

2,139,648
GUN
Walter H. Chambers, Stoneham, Mass.
Application December 24, 1936, Serial No. 117,438
11 Claims. (Cl. 42—16)

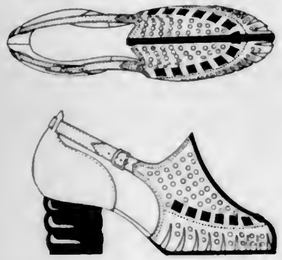


1. A bolt assembly for a hand-operated gun comprising an elongated cylindrical bolt, one or more lateral locking lugs fixed on the bolt head, an operating sleeve rotatably mounted on the bolt, means on the bolt holding the sleeve against longitudinal movement relative thereto, and one or more lateral lugs at the front end of the sleeve, said sleeve lugs adapted to aline lengthwise with the bolt lugs in one relative angular position of the sleeve and bolt.

DESIGNS

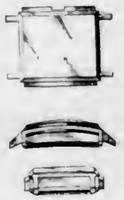
DECEMBER 6, 1938

112,416
DESIGN FOR A SHOE
Jacob L. Bitterman, New York, N. Y.
Application November 4, 1938, Serial No. 80,862
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

112,417
DESIGN FOR A WRIST WATCH CASE
Jean R. Graef, New York, N. Y.
Application September 29, 1938, Serial No. 80,135
Term of patent 3½ years



The ornamental design for a wrist watch case, substantially as shown.

112,418
DESIGN FOR A SLIDE FASTENER
Theodore A. Hersh, Franklin, Pa., assignor to Joy Fastener Company, Franklin, Pa., a corporation of Pennsylvania
Application August 4, 1938, Serial No. 79,105
Term of patent 14 years



The ornamental design for a slide fastener, as shown and described.

112,419
DESIGN FOR A SLIDE FASTENER
Theodore A. Hersh, Franklin, Pa., assignor to Joy Fastener Company, Franklin, Pa., a corporation of Pennsylvania
Application August 4, 1938, Serial No. 79,107
Term of patent 14 years



The ornamental design for a slide fastener, as shown and described.

112,420
DESIGN FOR A SLIDE FASTENER
Theodore A. Hersh, Franklin, Pa., assignor to Joy Fastener Company, Franklin, Pa., a corporation of Pennsylvania
Application August 18, 1938, Serial No. 79,415
Term of patent 14 years



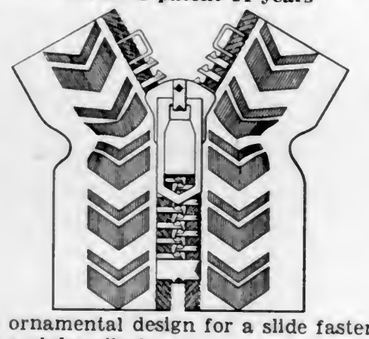
The ornamental design for a slide fastener, as shown and described.

112,421
DESIGN FOR A SLIDE FASTENER
Theodore A. Hersh, Franklin, Pa., assignor to Joy Fastener Company, Franklin, Pa., a corporation of Pennsylvania
Application August 18, 1938, Serial No. 79,417
Term of patent 14 years



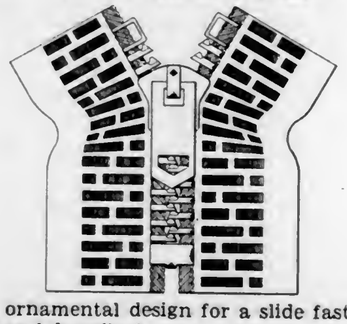
The ornamental design for a slide fastener, as shown and described.

112,422
DESIGN FOR A SLIDE FASTENER
Theodore A. Hersh, Franklin, Pa., assignor to Joy Fastener Company, Franklin, Pa., a corporation of Pennsylvania
Application August 18, 1938, Serial No. 79,418
Term of patent 14 years



The ornamental design for a slide fastener, as shown and described.

112,423
DESIGN FOR A SLIDE FASTENER
Theodore A. Hersh, Franklin, Pa., assignor to Joy Fastener Company, Franklin, Pa., a corporation of Pennsylvania
Application August 18, 1938, Serial No. 79,420
Term of patent 14 years



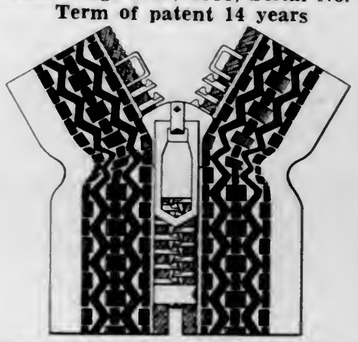
The ornamental design for a slide fastener, as shown and described.

112,424
DESIGN FOR A SLIDE FASTENER
Theodore A. Hersh, Franklin, Pa., assignor to Joy Fastener Company, Franklin, Pa., a corporation of Pennsylvania
Application August 22, 1938, Serial No. 79,486
Term of patent 14 years



The ornamental design for a slide fastener, substantially as shown and described.

112,425
DESIGN FOR A SLIDE FASTENER
Theodore A. Hersh, Franklin, Pa., assignor to Joy Fastener Company, Franklin, Pa., a corporation of Pennsylvania
Application August 22, 1938, Serial No. 79,487
Term of patent 14 years



The ornamental design for a slide fastener, as shown and described.

112,426
DESIGN FOR A SLIDE FASTENER
Theodore A. Hersh, Franklin, Pa., assignor to Joy Fastener Company, Franklin, Pa., a corporation of Pennsylvania
Application October 13, 1938, Serial No. 80,430
Term of patent 14 years



The ornamental design for a slide fastener, as shown and described.

112,427
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Alfred G. Kintz, Wallingford, Conn., assignor to International Silver Company, Meriden, Conn., a corporation of New Jersey
Application October 15, 1938, Serial No. 80,477
Term of patent 14 years



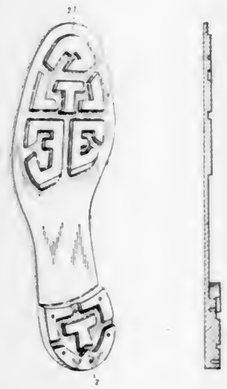
The ornamental design for a spoon or other article of flatware, substantially as shown and described.

112,428
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Alfred G. Kintz, Wallingford, Conn., assignor to International Silver Company, Meriden, Conn., a corporation of New Jersey
Application October 15, 1938, Serial No. 80,478
Term of patent 14 years



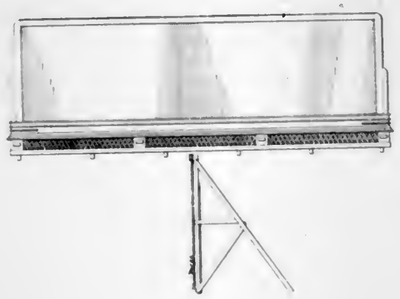
The ornamental design for a spoon or other article of flatware, substantially as shown and described.

112,429
DESIGN FOR A COMBINED RUBBER SOLE AND HEEL
Albert Edward Tebbutt, Northampton, England
Application June 14, 1938, Serial No. 77,817
In Great Britain April 14, 1938
Term of patent 7 years



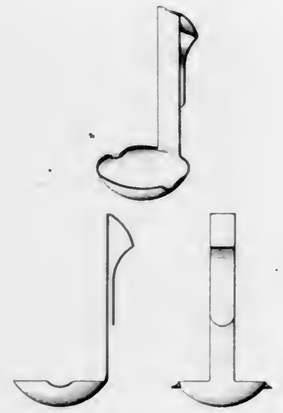
The ornamental design for a combined rubber sole and heel, as shown.

112,430
DESIGN FOR A SIGNBOARD
Alexander L. Bauers, La Grange, Ill., assignor to General Outdoor Advertising Co., Chicago, Ill., a corporation of New Jersey
Application September 12, 1938, Serial No. 79,844
Term of patent 7 years



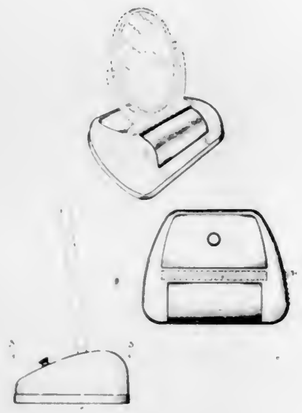
The ornamental design for a signboard, substantially as shown.

112,431
DESIGN FOR AN ASHTRAY
Jack Bierman, Chicago, Ill.
Application September 26, 1938, Serial No. 80,101
Term of patent 14 years



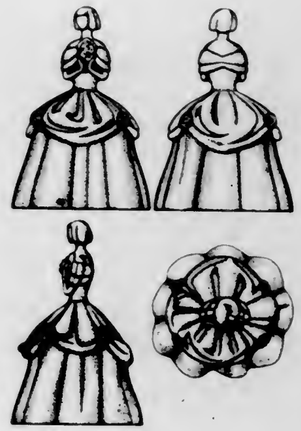
The ornamental design for an ashtray, substantially as shown.

112,432
DESIGN FOR A TOILET MIRROR
Walter J. Bohn, Toledo, Ohio, assignor to Acme Specialty Company, Toledo, Ohio, a corporation of Ohio
Application October 10, 1938, Serial No. 80,347
Term of patent 7 years



The ornamental design for a toilet mirror, substantially as shown and described.

112,433
DESIGN FOR A PERFUME BOTTLE
Sam J. Eisenberg, Winnetka, Ill.
Application September 19, 1938, Serial No. 79,969
Term of patent 14 years



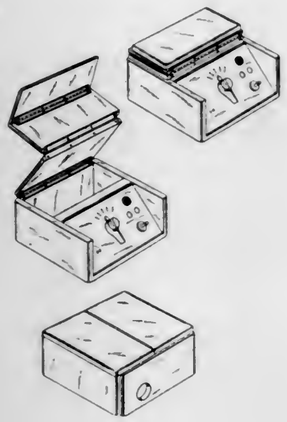
The ornamental design for a perfume bottle, substantially as shown.

112,434
DESIGN FOR A NOVELTY DOLL
Meyer Julius Hackman, Chicago, Ill.
Application March 5, 1938, Serial No. 75,618
Term of patent 7 years



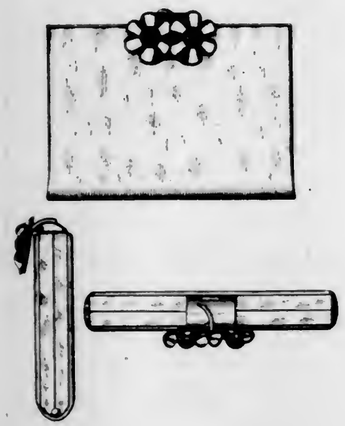
The ornamental design for a novelty doll, substantially as shown and described.

112,435
DESIGN FOR A CAUTERY UNIT
John A. Korengold, Chicago, Ill.
Application October 3, 1938, Serial No. 80,206
Term of patent 3½ years



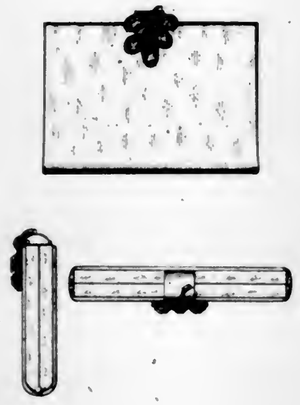
The ornamental design for a cautery unit, substantially as shown and described.

112,436
DESIGN FOR A HANDBAG
Florence N. Lewis, New York, N. Y.
Application June 11, 1938, Serial No. 77,737
Term of patent 3½ years



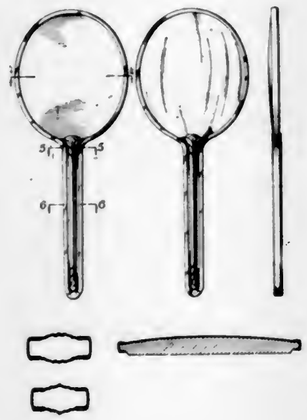
The ornamental design for a handbag, as shown and described.

112,437
DESIGN FOR A HANDBAG
Florence N. Lewis, New York, N. Y.
Application June 11, 1938, Serial No. 77,738
Term of patent 3½ years



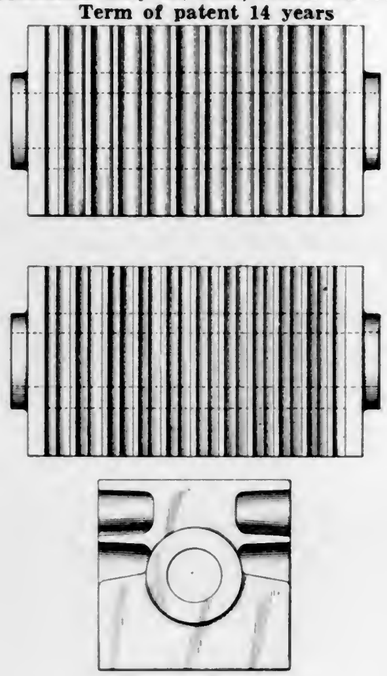
The ornamental design for a handbag, as shown and described.

112,438
DESIGN FOR A FRAME FOR MIRRORS OR THE LIKE
Leo Marder, Brooklyn, N. Y.
Application October 11, 1938, Serial No. 80,365
Term of patent 3½ years



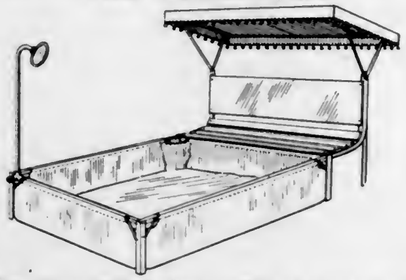
The ornamental design for a frame for mirrors or the like, substantially as shown and described.

112,439
DESIGN FOR A HEAT RADIATOR SECTION
Arthur E. Paige, Philadelphia, Pa.
Application May 28, 1938, Serial No. 77,453
Term of patent 14 years



The ornamental design for a heat radiator section, as shown and described.

112,440
DESIGN FOR A PLAY POOL
William I. Smith, Perrysburg, Ohio, assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application July 27, 1938, Serial No. 78,781
Term of patent 7 years



The ornamental design for a play pool, as shown and described.

112,441
DESIGN FOR A DOLL
Francis Edward Weidhaas, Bronxville, N. Y.
Application June 2, 1938, Serial No. 77,504
Term of patent 7 years



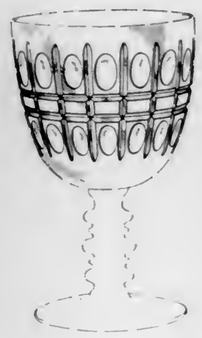
The ornamental design for a doll, substantially as shown.

112,442
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Andrew J. Cunningham, Snyder, N. Y.
Application April 28, 1938, Serial No. 76,812
Term of patent 7 years



The ornamental design for a goblet or similar article, as shown.

112,443
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Andrew J. Cunningham, Snyder, N. Y.
Application April 28, 1938, Serial No. 76,816
Term of patent 7 years



The ornamental design for a goblet or similar article, as shown and described.

112,444
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Andrew J. Cunningham, Snyder, N. Y.
Application April 28, 1938, Serial No. 76,827
Term of patent 7 years



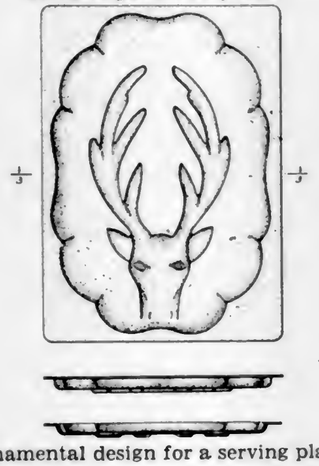
The ornamental design for a goblet or similar article, as shown and described.

112,445
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Andrew J. Cunningham, Snyder, N. Y.
Application April 28, 1938, Serial No. 76,829
Term of patent 7 years



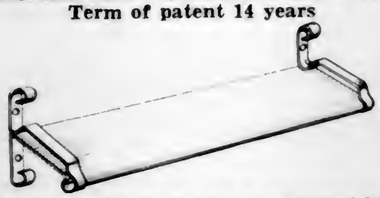
The ornamental design for a goblet or similar article, as shown.

112,446
DESIGN FOR A SERVING PLATTER
Morris Dreilinger, New York, N. Y.
Application September 19, 1938, Serial No. 79,979
Term of patent 14 years



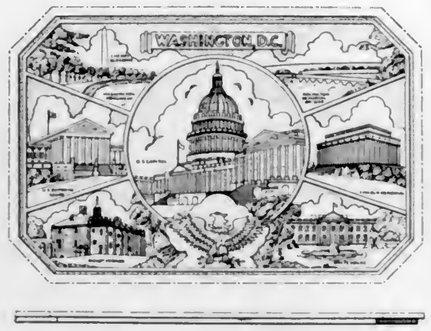
The ornamental design for a serving platter, as shown.

112,447
DESIGN FOR A COMBINED KITCHEN SHELF AND BRACKETS THEREFOR, OR SIMILAR ARTICLE
Albert M. Feldman, New York, N. Y.
Application June 14, 1938, Serial No. 77,824
Term of patent 14 years



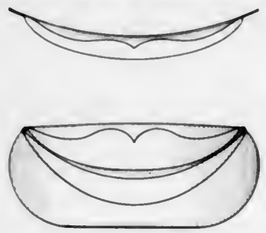
The ornamental design for a combined kitchen shelf and brackets therefor, or similar article, as shown and described.

112,448
DESIGN FOR A HOT DISH PAD OR SIMILAR ARTICLE
Thomas T. Grimsdale, New York, N. Y., assignor to Frank M. Sayford Co., Inc., Brooklyn, N. Y.
Application August 20, 1938, Serial No. 79,479
Term of patent 3½ years



The ornamental design for a hot dish pad or similar article, as shown and described.

112,449
DESIGN FOR A LIP PROTECTOR FOR DRINKING VESSELS
Mildred L. Hall, Meriden, Conn.
Application September 20, 1938, Serial No. 79,996
Term of patent 14 years



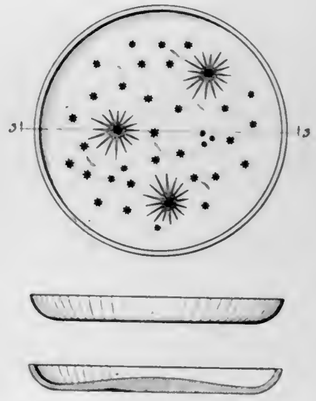
The ornamental design for a lip protector for drinking vessels, as shown.

112,450
DESIGN FOR A SEAT COVER OR THE LIKE
Julius Kletsky, Springfield, Mass.
Application October 12, 1938, Serial No. 80,416
Term of patent 3½ years



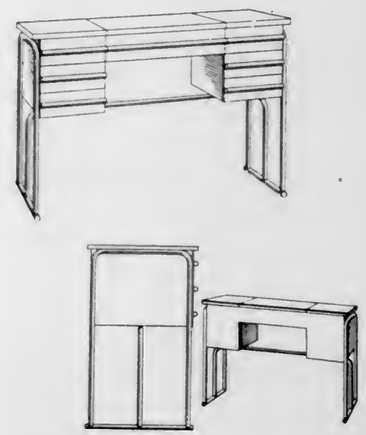
The ornamental design for a seat cover or the like, as shown.

112,451
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Rowena Reed Kostellow, Pittsburgh, Pa., assignor to United States Glass Co., Pittsburgh, Pa., a corporation of Pennsylvania
Application February 9, 1938, Serial No. 74,987
Term of patent 3½ years



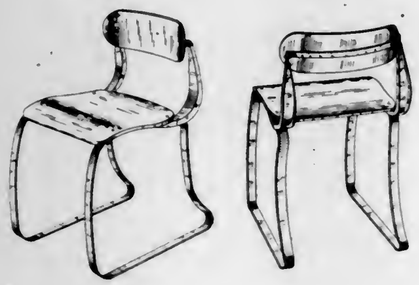
The ornamental design for a plate or similar article, substantially as shown.

112,452
DESIGN FOR A FITTING TABLE
Arne J. Oker, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application March 24, 1938, Serial No. 76,061
Term of patent 14 years



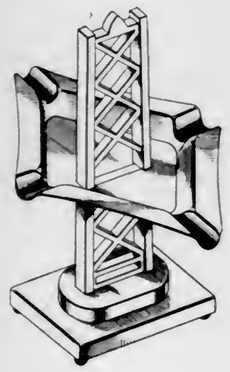
The ornamental design for a fitting table, substantially as shown and described.

112,453
DESIGN FOR A CHAIR
Herman A. Sperlich, Detroit, Mich., assignor to Ironrite Company, Detroit, Mich., a corporation of Michigan
Application October 17, 1938, Serial No. 80,517
Term of patent 7 years



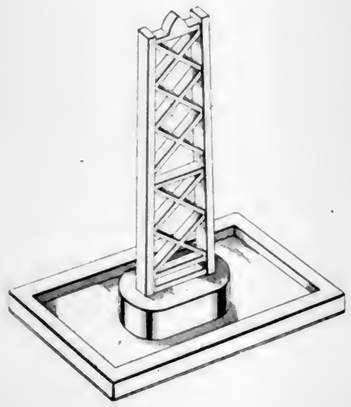
The ornamental design for a chair, substantially as shown.

112,454
DESIGN FOR AN ASH RECEIVER OR SIMILAR ARTICLE
Herman Bohme, Oakland, Calif.
Application March 19, 1938, Serial No. 75,976
Term of patent 3½ years



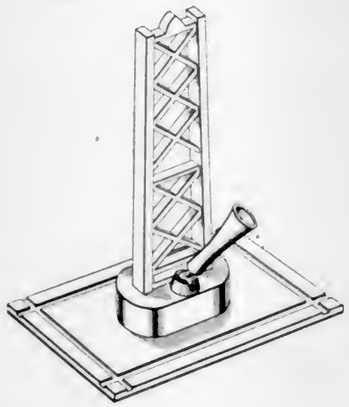
The ornamental design for an ash receiver or similar article, substantially as shown.

112,455
DESIGN FOR A PAPERWEIGHT OR SIMILAR ARTICLE
Herman Bohme, Oakland, Calif.
Application March 19, 1938, Serial No. 75,977
Term of patent 3½ years



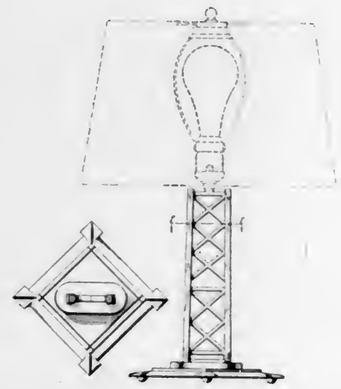
The ornamental design for a paper weight or similar article, substantially as shown.

112,456
DESIGN FOR A DESK PENHOLDER
Herman Bohme, Oakland, Calif.
Application March 19, 1938, Serial No. 75,978
Term of patent 3½ years



The ornamental design for a desk penholder, substantially as shown.

112,457
DESIGN FOR A LAMP
Herman Bohme, Oakland, Calif.
Application March 19, 1938, Serial No. 75,979
Term of patent 3½ years



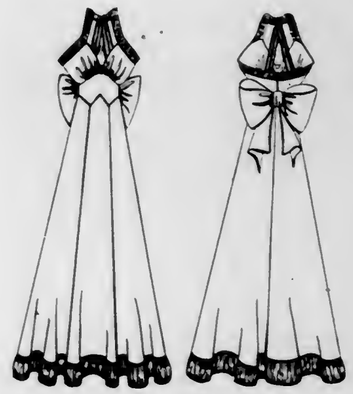
The ornamental design for a lamp, substantially as shown.

112,458
DESIGN FOR A DRESS
Mark Cohn, New York, N. Y.
Application November 2, 1938, Serial No. 80,825
Term of patent 3½ years



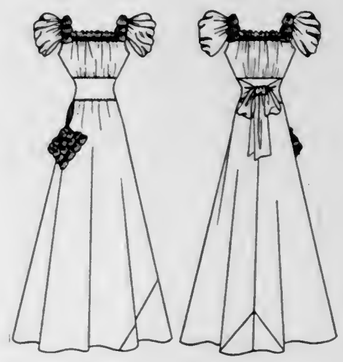
The ornamental design for a dress, substantially as shown.

112,459
DESIGN FOR A DRESS
Benjamin Fried, New York, N. Y.
Application September 8, 1938, Serial No. 79,786
Term of patent 3½ years



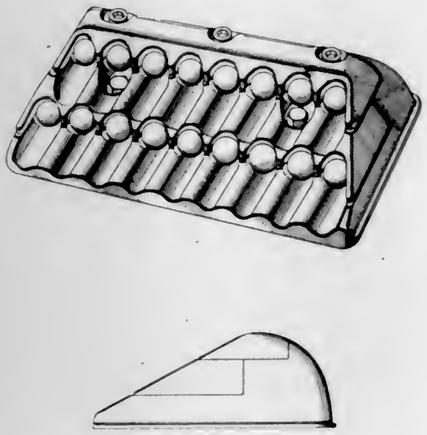
The ornamental design for a dress, substantially as shown and described.

112,460
DESIGN FOR A DRESS
Benjamin Fried, New York, N. Y.
Application November 3, 1938, Serial No. 80,846
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

112,461
DESIGN FOR A TRAFFIC MARKER
Carl A. Glock, Lynwood, Calif.
Application August 13, 1938, Serial No. 79,301
Term of patent 7 years



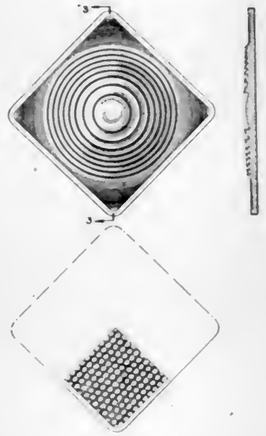
The ornamental design for a traffic marker, as shown.

112,462
DESIGN FOR A BOTTLE
William R. Kohl, New York, N. Y., assignor to Carr-Lowrey Glass Co., Baltimore, Md.
Application April 22, 1938, Serial No. 76,704
Term of patent 14 years



The ornamental design for a bottle, as shown.

112,463
DESIGN FOR A LIGHTING FIXTURE LENS OR THE LIKE ARTICLE
Joseph Levy, New York, N. Y., assignor to Century Lighting, Inc., a corporation of New York
Application June 25, 1938, Serial No. 78,053
Term of patent 7 years



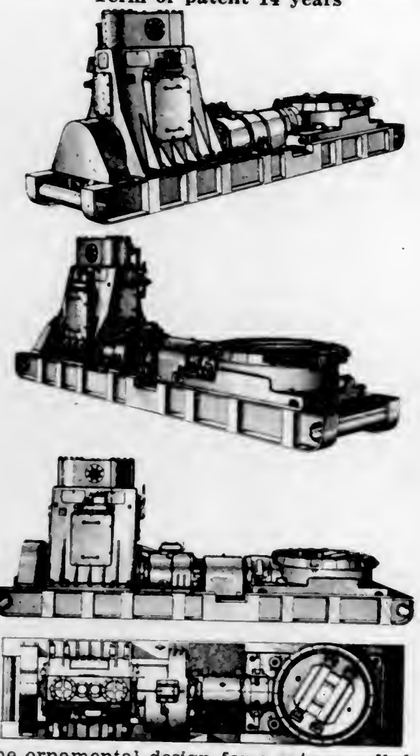
The ornamental design for a lighting fixture lens or the like article, as shown.

112,464
DESIGN FOR A BOTTLE
Florence N. Lewis, New York, N. Y., assignor to Elizabeth Arden, Inc., New York, N. Y., a corporation of New York
Application June 11, 1938, Serial No. 77,741
Term of patent 14 years



The ornamental design for a bottle, as shown.

112,465
DESIGN FOR A ROTARY WELL DRILLING UNIT
August R. Maier, Dallas, Tex.
Application October 18, 1938, Serial No. 80,536
Term of patent 14 years



The ornamental design for a rotary well drilling unit, as shown.

112,466
DESIGN FOR A DRESS
Abraham Magesis, New York, N. Y.
Application August 25, 1938, Serial No. 79,563
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

112,467
DESIGN FOR A WAIST
Marie Mascitelli, New York, N. Y.
Application October 11, 1938, Serial No. 80,373
Term of patent 3½ years



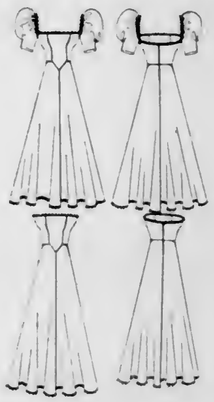
The ornamental design for a waist, substantially as shown.

112,468
DESIGN FOR A DRESS OR SIMILAR ARTICLE
Abraham H. Morris, New York, N. Y.
Application October 22, 1938, Serial No. 80,608
Term of patent 3½ years



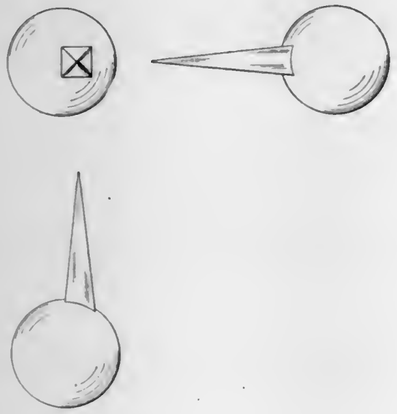
The ornamental design for a dress or similar article, substantially as shown.

112,469
DESIGN FOR A CONVERTIBLE EVENING DRESS
Max Rosenbluth, New York, N. Y.
Application October 12, 1938, Serial No. 80,400
Term of patent 3½ years



The ornamental design for a convertible evening dress, substantially as shown.

112,470
DESIGN FOR A TOY OR SIMILAR ARTICLE
Irving Steinhardt, New York, N. Y.
Application October 21, 1938, Serial No. 80,590
Term of patent 7 years



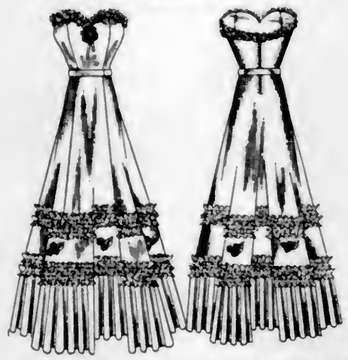
The ornamental design for a toy or similar article, as shown.

112,471
DESIGN FOR A DRESS
Mollie Stone, New York, N. Y.
Application November 1, 1938, Serial No. 80,798
Term of patent 3½ years



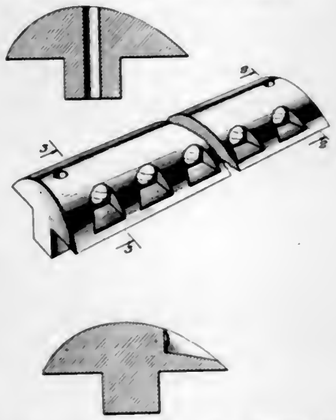
The ornamental design for a dress, substantially as shown.

112,472
DESIGN FOR A DRESS
Mollie Stone, New York, N. Y.
Application November 2, 1938, Serial No. 80,824
Term of patent 3½ years



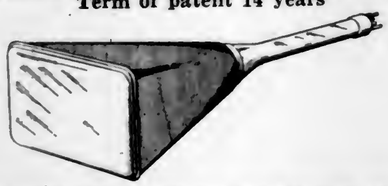
The ornamental design for a dress, substantially as shown.

112,473
DESIGN FOR A STREET TRAFFIC SIGNAL
Hallie M. Corrine Young, Oklahoma City, Okla.
Application October 7, 1938, Serial No. 80,310
Term of patent 7 years



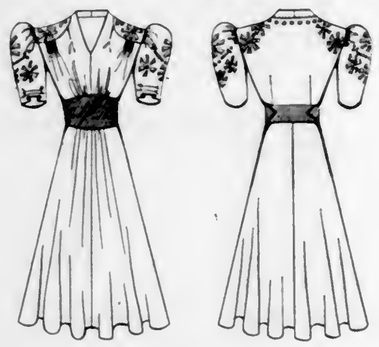
The ornamental design for a street traffic signal, as shown and described.

112,474
DESIGN FOR A CATHODE RAY TUBE OR SIMILAR ARTICLE
Robert M. Bowie, Emporium, Pa.
Application July 9, 1936, Serial No. 63,720
Term of patent 14 years



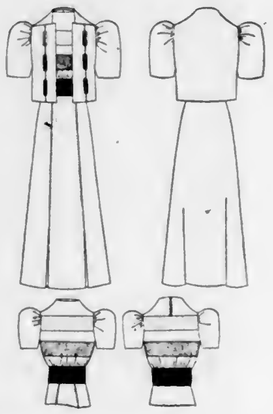
The ornamental design for a cathode ray tube or similar article, substantially as shown and described.

112,475
DESIGN FOR A DRESS
Edna Breer, New York, N. Y.
Application November 8, 1938, Serial No. 80,948
Term of patent 3½ years



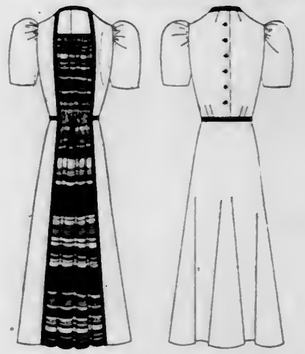
The ornamental design for a dress, substantially as shown and described.

112,476
DESIGN FOR A DRESS ENSEMBLE
Tora Coleman, New York, N. Y.
Application November 8, 1938, Serial No. 80,943
Term of patent 3½ years



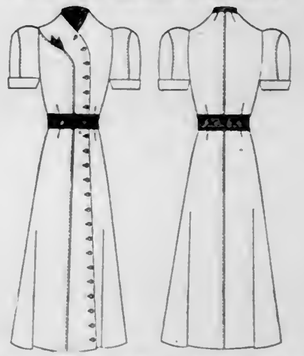
The ornamental design for a dress ensemble, substantially as shown.

112,477
DESIGN FOR A DRESS
Tora Coleman, New York, N. Y.
Application November 8, 1938, Serial No. 80,945
Term of patent 3½ years



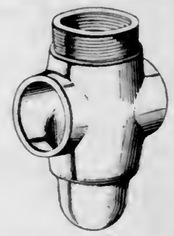
The ornamental design for a dress, substantially as shown.

112,478
DESIGN FOR A DRESS
Tora Coleman, New York, N. Y.
Application November 8, 1938, Serial No. 80,946
Term of patent 3½ years



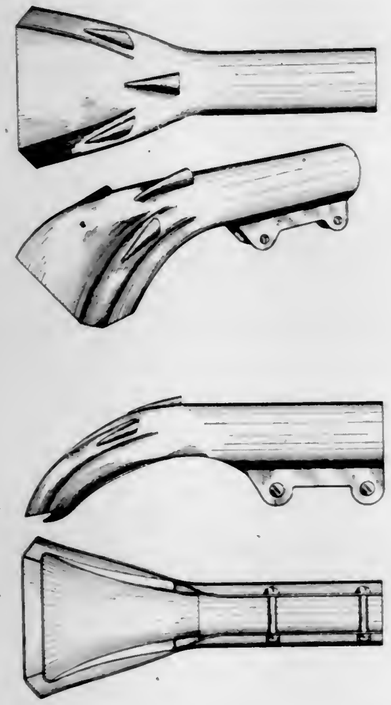
The ornamental design for a dress, substantially as shown.

112,479
DESIGN FOR A PRESSURE CONTROL FITTING
Earl E. Cline, Decatur, Ill., assignor to Mueller Co., Decatur, Ill., a corporation of Illinois
Application April 26, 1937, Serial No. 68,991
Term of patent 14 years



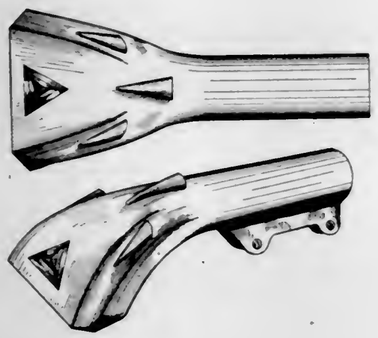
The ornamental design for a pressure control fitting, substantially as shown and described.

112,480
DESIGN FOR AN AUTOMOBILE EXHAUST SHROUD
Louis A. Koch, Louisville, Ky.
Application October 12, 1938, Serial No. 80,420
Term of patent 14 years



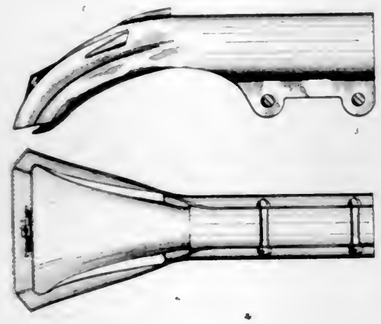
The ornamental design for an automobile exhaust shroud, as shown.

112,481
DESIGN FOR AN AUTOMOBILE EXHAUST SHROUD
Louis A. Koch, Louisville, Ky.
Application October 12, 1938, Serial No. 80,421
Term of patent 14 years



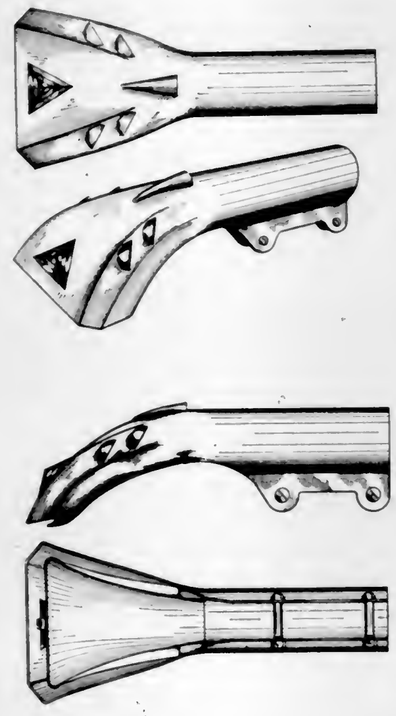
The ornamental design for an automobile exhaust shroud, as shown.

112,481—Continued



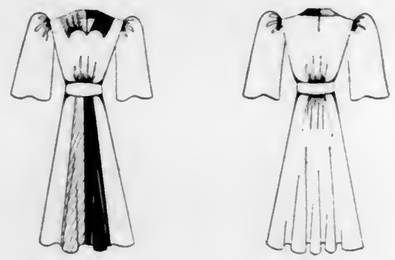
The ornamental design for an automobile exhaust shroud, as shown.

112,482
DESIGN FOR AN AUTOMOBILE EXHAUST SHROUD
Louis A. Koch, Louisville, Ky.
Application October 12, 1938, Serial No. 80,422
Term of patent 14 years



The ornamental design for an automobile exhaust shroud, as shown.

112,483
DESIGN FOR A DRESS
Helen Lentini, New York, N. Y.
Application October 31, 1938, Serial No. 80,767
Term of patent 3½ years



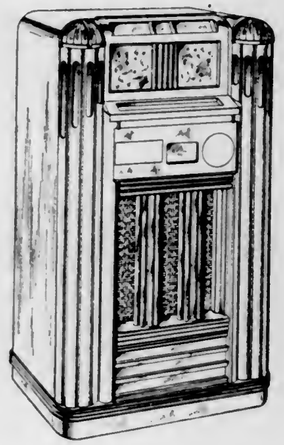
The ornamental design for a dress, substantially as shown.

112,484
DESIGN FOR A WOVEN PILE FABRIC
Russell R. Matthews, Cornwall, N. Y.
Application July 1, 1938, Serial No. 78,219
Term of patent 14 years



The ornamental design for a woven pile fabric, as shown.

112,485
DESIGN FOR A PHONOGRAPH CABINET
William Nathanson, Los Angeles, Calif.
Application May 27, 1938, Serial No. 77,436
Term of patent 3½ years



The ornamental design for a phonograph cabinet, as shown.

112,486
DESIGN FOR AN AUTOMOBILE RADIATOR ORNAMENT
David J. Nusz, Hickam Field, Honolulu, Territory of Hawaii
Application July 5, 1938, Serial No. 78,284
Term of patent 7 years



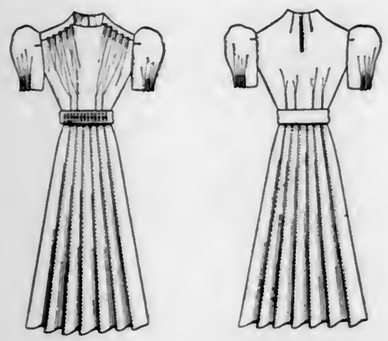
The ornamental design for an automobile radiator ornament, as shown.

112,487
DESIGN FOR AN AUTOMOBILE TOP AERIAL
Thomas J. Prentice, Piedmont, Calif.
Application September 20, 1938, Serial No. 80,008
Term of patent 7 years



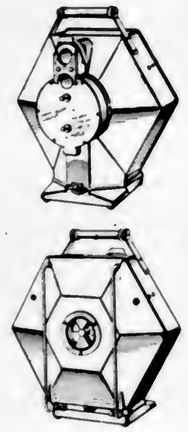
The ornamental design for an automobile top aerial, as shown.

112,488
DESIGN FOR A DRESS
David William Price, New York, N. Y.
Application November 1, 1938, Serial No. 80,799
Term of patent 3½ years



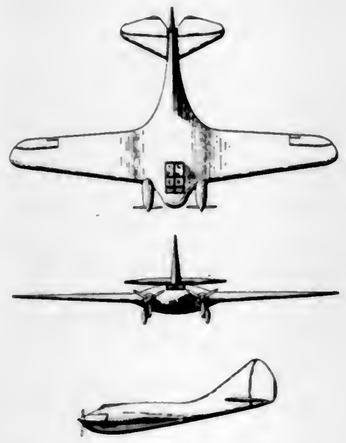
The ornamental design for a dress, substantially as shown.

112,489
DESIGN FOR AN AIR CONDITIONING UNIT OR SIMILAR ARTICLE
William Harold Sones, Twickenham, England, assignor to Electronaire Marketing Company Limited, London, England
Application March 19, 1938, Serial No. 75,970
In Great Britain February 21, 1938
Term of patent 3½ years



The ornamental design for an air conditioning unit or similar article, substantially as shown and described.

112,490
DESIGN FOR AN AIRPLANE
James G. Taylor, Fairfield, and Harold W. Case, Dayton, Ohio
Application October 22, 1935, Serial No. 59,173
Term of patent 7 years



The ornamental design for an airplane, as shown.

112,491
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Mark Turpan, West Englewood, N. J.
Application November 3, 1938, Serial No. 80,851
Term of patent 3½ years



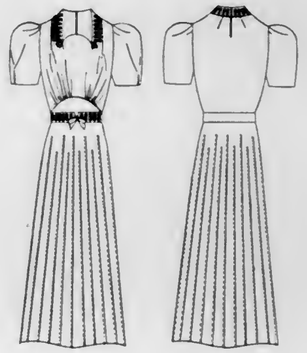
The ornamental design for a textile fabric or similar article, as shown.

112,492
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Mark Turpan, West Englewood, N. J.
Application November 15, 1938, Serial No. 81,102
Term of patent 3½ years



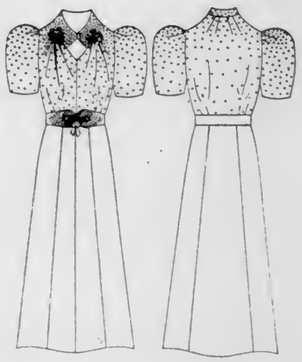
The ornamental design for a textile fabric or similar article, as shown.

112,493
DESIGN FOR A DRESS
Nat Abelson, New York, N. Y.
Application November 4, 1938, Serial No. 80,859
Term of patent 3½ years



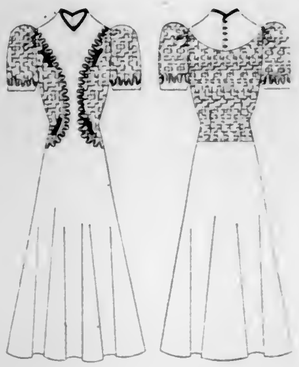
The ornamental design for a dress, substantially as shown and described.

112,494
DESIGN FOR A DRESS
Nat Abelson, New York, N. Y.
Application November 4, 1938, Serial No. 80,860
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

112,495
DESIGN FOR A DRESS
Tora Coleman, New York, N. Y.
Application November 10, 1938, Serial No. 80,988
Term of patent 3½ years



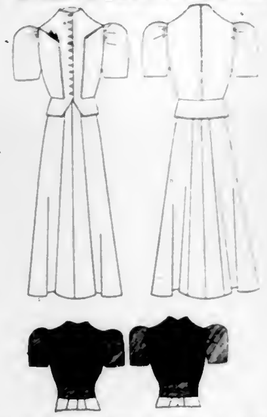
The ornamental design for a dress, substantially as shown.

112,496
DESIGN FOR A DRESS
Tora Coleman, New York, N. Y.
Application November 10, 1938, Serial No. 80,989
Term of patent 3½ years



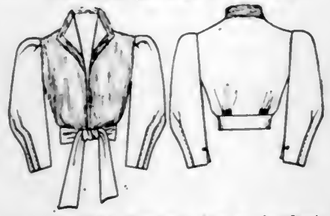
The ornamental design for a dress, substantially as shown.

112,497
DESIGN FOR A DRESS ENSEMBLE
Tora Coleman, New York, N. Y.
Application November 10, 1938, Serial No. 80,990
Term of patent 3½ years



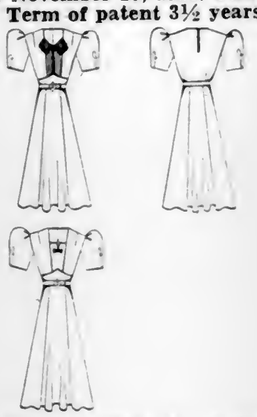
The ornamental design for a dress ensemble, substantially as shown.

112,498
DESIGN FOR A JACKET
Simon Etkin, New York, N. Y.
Application July 16, 1938, Serial No. 78,526
Term of patent 3½ years



The ornamental design for a jacket, substantially as shown and described.

112,499
DESIGN FOR A DRESS
Max Frumkin, New York, N. Y.
Application November 10, 1938, Serial No. 80,985
Term of patent 3½ years



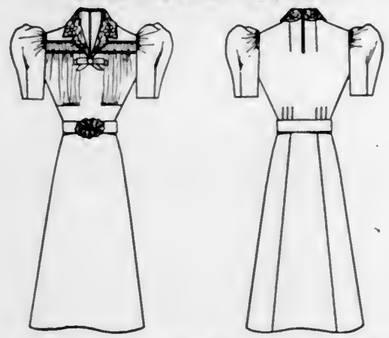
The ornamental design for a dress, substantially as shown.

112,500
DESIGN FOR A DRESS
Alice S. Kaplan, New York, N. Y.
Application October 10, 1938, Serial No. 80,340
Term of patent 3½ years



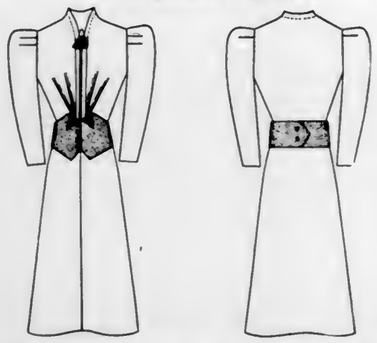
The ornamental design for a dress, substantially as shown.

112,501
DESIGN FOR A DRESS
Michael M. Levine, New York, N. Y.
Application November 7, 1938, Serial No. 80,923
Term of patent 3½ years



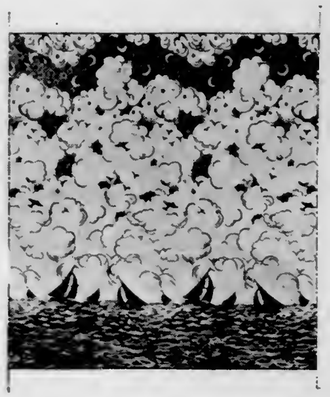
The ornamental design for a dress, substantially as shown.

112,502
DESIGN FOR A DRESS
Pasquale A. Santoro, New York, N. Y.
Application November 5, 1938, Serial No. 80,888
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

112,503
DESIGN FOR A TEXTILE FABRIC
Ira Strauss, New York, N. Y.
Application November 15, 1938, Serial No. 81,116
Term of patent 3½ years



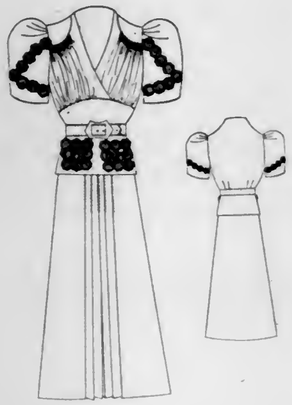
The ornamental design for a textile fabric, substantially as shown, and described.

112,504
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Mark Turpan, West Englewood, N. J.
Application November 15, 1938, Serial No. 81,101
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

112,505
DESIGN FOR A DRESS
Louis Wals, New York, N. Y.
Application November 10, 1938, Serial No. 80,987
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

112,506
DESIGN FOR A DRESS
Philip Zahn, New York, N. Y.
Application October 29, 1938, Serial No. 80,757
Term of patent 3½ years



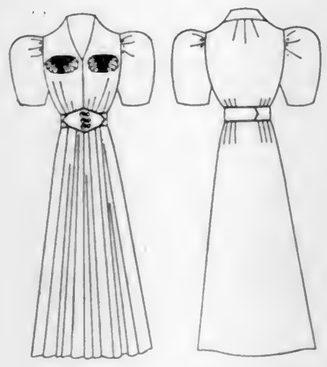
The ornamental design for a dress, substantially as shown.

112,507
DESIGN FOR A DRESS
Harry Zinn, New York, N. Y.
Application November 3, 1938, Serial No. 80,839
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

112,508
DESIGN FOR A DRESS
Joseph Zinn, New York, N. Y.
Application November 4, 1938, Serial No. 80,855
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

THE
OFFICIAL GAZETTE
OF THE
United States Patent Office

Vol. 497—No. 2 TUESDAY, DECEMBER 13, 1938 Price—$16 per year

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Labels	30—No.	52,202 to No.	52,231, inclusive.
Prints	12—No.	17,152 to No.	17,163, inclusive.
Reissues	7—No.	20,944 to No.	20,950, inclusive.
Patents	842—No.	2,139,649 to No.	2,140,490, inclusive.
Designs	83—No.	112,509 to No.	112,591, inclusive.
Total	1,224		

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,964,693, E. G. Hill, Motor vehicle clutch control mechanism, decided November 22, 1938, claims 1, 2, 3, 4, 5, 6, 7, 16, 17, 18, 19, 20, and 21.

Pat. 2,051,061, H. F. Tonnies, Exposure apparatus for cameras, decided October 22, 1938, claim 14.

Pat. 2,065,696, P. E. Hawkinson, Tire tread, decided October 20, 1938, claims 1, 2, and 3.

Pat. 2,105,223, L. C. Nicholl, Hair clipper, decided November 19, 1938, claim 1.

Design Pat. 105,255, W. H. Adams, decided October 31, 1938, the claim as shown.

Disclaimers

1,783,867.—*Clarence W. Vogt,* Louisville, Ky. MACHINE FOR PROCESSING MATERIALS. Patent dated December 2, 1930. Disclaimer filed November 22, 1938, by the assignee, *The Girdler Corporation.*

Hereby enters its disclaimer of the subject matter of claims 18 and 19 of said Letters Patent, except where the means for variably controlling the discharge of the material in claim 18 is a yielding means, and except where the means for resisting the discharge of the material is a yielding means in claim 19.

1,963,479.—*John William White,* Buffalo, N. Y. BRAKE. Patent dated June 19, 1934. Disclaimer filed November 25, 1938, by the assignee, *Bendix Products Corporation.*

Hereby enters this disclaimer of claim 8 of said patent.

Important Information

In ordering manuscript copies much time will be saved if the order states specifically what is desired, viz:

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Original application. (Facsimile petition, specification, oath, and drawings at present time.)

Specification as originally filed. (As received in Office.)

Specification as amended. (With amendments entered.)

Specification as allowed. (As passed by the Examiner for issue.)

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Condition of Applications Under Examination at Close of Business November 26, 1938

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 46,131; Trade-Mark Division, 1,394. Oldest new case, March 14, 1938; oldest amended, Feb. 11, 1938.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	June 2	June 10	834
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	June 13	June 20	867
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Sept. 28	Sept. 21	362
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	July 11	July 21	535
3077	5 ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Aug. 27	Aug. 27	523
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	May 17	May 20	1155
5725	7 JARBOE, C. G., Optics; Photography	Aug. 19	Aug. 16	931
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	July 14	July 15	959
4624	9 ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Aug. 12	Aug. 22	541
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Aug. 2	Aug. 29	552
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Aug. 11	Aug. 13	482
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	Mar. 14	Mar. 10	811
5096	13 BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling	July 12	July 12	640
5097	14. YUNG KWAI, B., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Sept. 6	Sept. 6	473
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	July 16	July 16	1126
5716	16. SPENCER, C. J., Telegraphy; Telephony	June 3	June 1	839
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	July 2	June 28	660
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	June 23	June 21	578
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	July 26	July 26	705
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Aug. 17	Aug. 15	420
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Aug. 27	Aug. 24	439
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Aug. 9	Aug. 15	603
7624	23. BUTTNER, W. J., Registers (part)	May 2	Feb. 11	316
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Sept. 3	Sept. 3	573
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Aug. 8	Aug. 10	532
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	July 26	July 28	579
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment	May 23	May 20	1137
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	June 22	June 13	551
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	June 17	June 13	754
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	June 6	June 9	858
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Aug. 26	Aug. 27	647
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Aug. 17	Aug. 15	571
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	July 25	July 27	877
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	Aug. 25	Aug. 12	323
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	July 18	July 22	759
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	June 18	June 15	646
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	May 18	May 13	884
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	May 8	May 10	667
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	July 11	July 11	589
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	June 24	June 27	1404
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Aug. 5	Aug. 11	251
5882	42. CUTTING, H. O., Electric Signaling	Apr. 20	Apr. 5	804
4886B	43. KLINGE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	July 18	July 21	529
4087B	44. HARVEY, L. P., Refrigeration	July 7	June 27	676
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	June 17	July 22	754
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	July 3	July 12	656
6082	47. LOWE, E. R., Clutches; Brakes	Aug. 1	July 20	549
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Aug. 9	Aug. 9	532
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Apr. 12	Apr. 26	1081
4701	50. BLAKE, C. L., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	June 11	June 11	1111
5628	51. BACKUS, C. D., Radiant Energy (part)	Aug. 13	Aug. 13	802
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Aug. 23	Aug. 29	815
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Aug. 18	Aug. 22	638
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Aug. 27	Aug. 24	422
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	May 28	June 2	1297
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	June 29	June 27	1078
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Aug. 2	July 6	477
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Aug. 13	Aug. 10	372
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Aug. 11	Aug. 17	731
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	July 13	July 13	541
6724	61. Laman, James (Act.), Laminated Electrical Insulation; Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	June 9	June 7	599
5621	62. PUGH, E. C., Games; Geometrical Instruments	Aug. 30	Aug. 15	548
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	July 21	July 27	538
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	July 6	July 6	1086
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	May 27	May 26	660
2099B	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND (Trade-Marks	Oct. 21	Nov. 12	1,299
	(Labels and Prints	Nov. 14	Nov. 14	95
2605	DESIGNS: H. H. KALUPY	Oct. 12	Oct. 20	882

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Appeals for the District of Columbia

GEORGE S. KELLEY AND KADCO CORPORATION

v.

COE, COMMISSIONER OF PATENTS

No. 6,973. Decided Sept. 19, 1938

[— F.(2d) —]

1. INVENTION—EVIDENCE OF.

"While it is true that at first glance Kelley's method may seem to be merely an advance in degree over the prior art, nevertheless, we are of the opinion that the extreme and well-recognized need for an effective method of dust control, the prior but unsuccessful attempts of others over a period of years, and finally, Kelley's success where all others had failed, constitute persuasive evidence of invention."

2. SAME—NOT DISPROVED BY SIMPLICITY.

"The fact that Kelley's method may seem simple in its operation does not disprove invention. The difference between it and the prior art may not be great in a physical sense, but slight as it may seem to be it was sufficient to achieve success where success had never before been achieved. It was not merely one step in a developmental process, but was the one step from failure to success."

3. PATENTABILITY—METHOD OF DUST REMOVAL IN ROCK DRILLING.

Claims relating to a method of dust removal in rock drilling operations *Held* patentable.

APPEAL from the District Court of the United States for the District of Columbia. Reversed and remanded.

EDGERTON, A. J., dissenting.

Mr. George F. Scull and *Mr. John Boyle, Jr.*, for Kelley and Kadco Corporation.

Mr. R. F. Whitehead for the Commissioner of Patents.

Before GRONER, Chief Justice, and MILLER and EDGERTON, Associate Justices

MILLER, *A. J.:*

On January 13, 1933, appellant George S. Kelley filed with the Commissioner of Patents an application for a patent upon claims involving new and useful improvements in methods of dust removal. The twenty-one claims of the application were rejected by the Examiner on the ground that they showed no invention over the prior art. The Board of Appeals affirmed the Examiner's rejection. Two petitions for rehearing were filed before the Board; the first was denied and the second was dismissed. Kelley and Kadco Corporation—a successor in interest—thereupon commenced suit in the lower court under section 4915, R. S. (35 U. S. C. A. § 63). This appeal is from a decree dismissing the bill.

At the trial appellants withdrew all claims except 31, 37, and 44. These are the only claims involved on this appeal and are set out in the margin.[1] They relate exclusively to the method or process involved, not to machinery or apparatus.

The references relied upon by the Patent Office were: Prellwitz, No. 1,023,594, April 16, 1912; Ayotte, No. 1,334,430, March 23, 1920; Griffiths (British), No. 7,355, March 27, 1906; Korfmann (German), No. 382,007, April 30, 1924; Heldt, (German), No. 235,522, June 12, 1911; Fraser (British), No. 100,817, January 6, 1916; German Patent No. 195,964, February 29, 1908. It was not found by the tribunals of the Patent Office, nor is it contended by the Commissioner in this court,

[1] "31. The method of rock drilling which comprises drilling a hole, injecting a current of air at the bottom of said hole during the drilling operation and simultaneously projecting a column of air laden with dust and cuttings from the drilling operation outwardly of said hole, locating the mouth of an air-guiding hood in line with the axis of the hole, continuously maintaining the interior of the hood in free and open communication simultaneously with the hole and with the outside air for the entry of outside air into the hood at all times during the drilling operation, continuously drawing clean outside air and dust-laden air from said hole simultaneously into said hood, the clean outside air in greater volume per unit of time than that of the dust-laden air delivered from said hole into said hood per unit of time by establishing currents of outside air flowing inwardly to said column from all sides of the column and into said hood and between said hole and the mouth of said hood, and laterally confining and enveloping the dust-laden air column between said hole and hood by said inwardly flowing currents of outside air, and continuously maintaining negative pressure in said hood during receipt of said dust-laden column, and continuously sucking dust-laden air from said hood."

"37. The method of rock drilling which comprises drilling a hole, injecting a current of air at the bottom of said hole during the drilling operation and simultaneously projecting a column of air laden with dust and cuttings from the drilling operation outwardly of said hole, locating the mouth of an air-guiding hood in line with the axis of the hole, continuously maintaining the interior of the hood in free and open communication simultaneously with the hole and with the outside air for the entry of outside air into the hood at all times during the drilling operation, continuously drawing clean outside air and dust-laden air from said hole simultaneously into said hood, the clean outside air in greater volume per unit of time than that of the dust-laden air delivered from said hole into said hood per unit of time, and thereby greatly reducing the dust content in the hood per unit volume of air as compared with the dust content per unit volume of air discharged from the hole, and continuously sucking from the hood a greater volume of air per unit of time than that injected into said hole per unit of time and thereby maintaining negative pressure in said hood and accelerating the movement of air from the hole into the hood."

"44. The method of facilitating rock drilling where air is projected under pressure into the hole to blow the dust therefrom, which comprises reducing considerably the back pressure at the bottom of the hole, greatly increasing the velocity of the air introduced into the hole over that resulting from the pressure which projects it into the hole, continuously displacing the larger cuttings produced by the drill from the bottom of the hole and from the path of the drill, entraining said larger particles in the accelerated air stream leaving the hole, removing said particles from the hole together with any dust produced by the drill, providing an air guiding hood at the mouth of the hole and in line with the axis thereof, continuously maintaining the interior of said hood in free and open communication simultaneously with said hole and with the outside air, preventing expansion into the atmosphere of the dust-laden air leaving the hole by indrawing it into said hood together with an encircling column of outside air, substantially reducing the velocity head of the dust-laden air within said hood by indrawing into it a larger quantity per unit of time of oppositely directed outside air, and continuously removing the mixed dust-laden and outside air from said hood."

that any one of the references relied upon constituted an anticipation of the Kelley method. Nor is it contended that any of the references relied upon were successful in operation. But it is contended that they, as the prior art, taught sufficiently well to prevent Kelley's method from constituting invention.

In rejecting the Kelley application, the Examiner said:

"The prior art is full of patented devices which have recognized the advantages of allowing outside air to flow into the hood to mix with the dust ladened air which comes out of the bore hole."

And further he said—after describing several of the references relied upon—

"In each of the above patented devices a suction means is used to evacuate the dust hood and maintain the inside of the hood at a lower pressure than the pressure of the outside air."

The Board of Appeals said, in affirming the action of the Examiner:

"The claims . . . are all directed to a method but when reduced to its simplest form, the method claimed involves, over that inherent in the use of prior art devices, largely a difference in the degree of rarefaction to which the dust-collecting hood is subjected."

And in his brief on appeal to this court the Commissioner said:

It was not new, as shown by a number of the references of record, and as stated by the court below in its findings of fact, to use a fan, or blower, or suction pump, in connection with mechanism designed to remove the dust created in rock drilling, and the patent to Preliwitz shows a device which is intended for exactly the same use as the Kelley device.

[1] While it is true that at first glance Kelley's method may seem to be merely an advance in degree over the prior art, nevertheless, we are of the opinion that the extreme and well-recognized need for an effective method of dust control, the prior but unsuccessful attempts of others over a period of years, and finally, Kelley's success where all others had failed, constitute persuasive evidence of invention.

For many years rock drills, driven by compressed air, have been utilized extensively for drilling, in mines, in quarries, for foundations of buildings, and for numerous other industrial purposes. The drill consists of a pneumatic hammer mounted upon a supporting base, which strikes about two thousand times a minute against one end of a bit or drill steel, the other end of which cuts and shatters the rock into dust and small particles. The drill bit is constructed of steel and is slightly hollow, a small hole extending throughout its length. Air is forced into the upper end of this hole and is carried by pressure to the point of drilling. In this way, the dust and small particles of rock are blown from the excavation into the surrounding atmosphere, enveloping the operator of the drill in a cloud of dust. In most localities the dust thus generated by the drills contains silicon in the form of silicon dioxide or quartz, which, if inhaled in sufficient quantities over a period of time, produces a disease known as silicosis. As a consequence, silicosis is very common among drill operators, and in many cases results in a fatal form of tuberculosis. This health peril, known as early as 1900, created an acute need in the rock-drilling industry for a method of controlling the dust. In the United States, as in other countries, the oldest and principal method of dust control—and the only successful one prior to the Kelley process—is known as wet drilling, i. e., forcing water, or a mixture of air and water, through the hollow drill steel into the hole being drilled, or directing a jet of air and water at the face of the hole as the dust emerges. This method, however, has not been entirely satisfactory because of the inefficiency of operation, and because the method creates unhealthy and unpleasant working conditions, e. g., in deep mining, the addition of the water tends to increase the humidity; in outdoor work, the water is likely to freeze in cold weather; and, generally, the drill workers are adversely affected by the dampness and wet footing caused by the presence of the continuous spray. Moreover, wet drilling fails to eliminate the dust completely.[2]

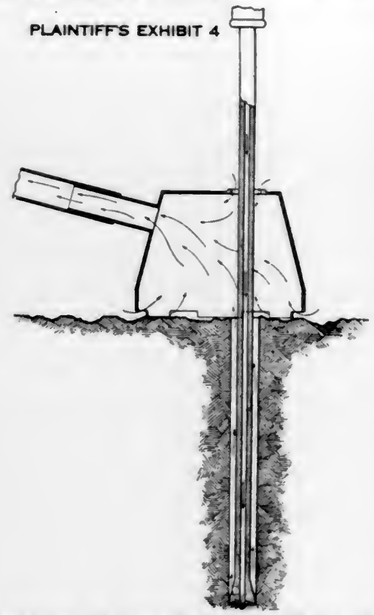
Appellants' claimed invention relates to a method of eliminating dust by maintaining at all times a sub-atmospheric pressure or vacuum over the mouth of the hole being drilled. Appellants' method accomplishes this result by enclosing the mouth of the drill hole with a casing or hood, to which is connected a powerful fan blower which exhausts from the hood a much greater volume of air per unit of time than is projected into the hole through the hollow drill steel. About five to seven times as much air is thus drawn from the hood through the exhaust as goes into it through the drill steel. At the top of the hood is an aperture through which the drill steel extends. It is essential that this opening be larger in diameter than the drill steel, in order that outside air in substantial quantities may be drawn into the hood. For the same reason, it is essential that the mouth of the hood be spaced at a slight distance from the face of the rock, so that an opening will exist between the hood and the surface. Thus, when the drill and the blower are in operation, air is drawn into the hood at all openings and withdrawn at the exhaust.

The air coming in between the rock face and the hood prevents dust from being blown out around the sides as it otherwise would. With the air entering in this manner the hood is not actually touched by the dust which is coming up from the drill hole, because the air drawn in from the sides makes a curtain surrounding the dust as it comes up and directs it into the exhaust line outlet. Similarly, the incoming air at the top of the hood breaks the velocity of the upcoming dust and chips, and, joining with the incoming air from the sides, makes them turn the corner and flow through the suction outlet of the exhaust line. The sub-atmospheric pressure thus creates an air seal around these openings, rendering escape of dust impossible. The airflow which results from operation of appellants' process producing the desired elimination of dust is illustrated by the drawing reproduced below,

[2] Drinker and Hatch, Industrial Dust (1936), 173 et seq.

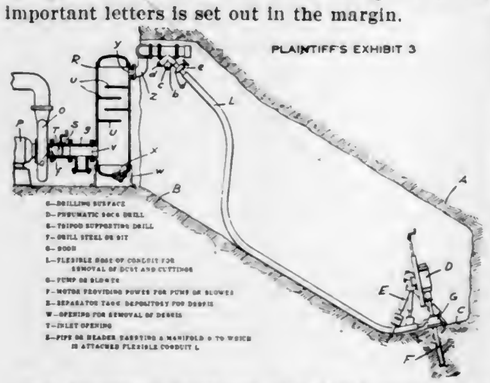
which was introduced by appellants as plaintiff's Exhibit 4 in the lower court.

PLAINTIFF'S EXHIBIT 4



The manner of operation of the Kelley process is illustrated by the drawing reproduced below, which was also introduced as plaintiff's Exhibit 3 by appellants in the lower court. A guide to the important letters is set out in the margin.

PLAINTIFF'S EXHIBIT 3



The successful operation of Kelley's process and proof of his claims were both clearly established by the evidence; which was unchallenged by the Commissioner except by his offer in evidence of the references upon which rejection was based. Consequently, in determining whether Kelley achieved invention we start with the fact that he has made a distinct and valuable contribution to the art. This the Commissioner concedes when, in his brief, he states—

" . . . nor is it contended that the device is not useful. No such suggestion was made in the Patent Office and the testimony presented in the lower court shows that the method has gone into quite extensive use."

The use of the Kelley method has produced highly satisfactory results not only in downward vertical drilling but in overhead vertical drilling. The evidence proved that the method is so effective in actual operation that no dust escapes from the hole; and that judged by the hygienic standard the results are more than satisfactory, that is, the air is cleaner with the Kelley method in operation than is necessary for the requirements of hygiene. In recognition of his success in devising a method of controlling silicosis, Kelley received the John Scott Medal from the Board of Directors of the City of Philadelphia, and a certificate of merit from the Franklin Institute.

In addition to conserving the comfort and health of the workers by preventing the escape of dust, appellants' method has great utility in reducing the cost of drilling, by increasing speed and efficiency. In the use of the Kelley process the velocity of air within the drill hole is so great that all cuttings are forced from the cavity into the hood, and the bottom of the hole is kept clean. As a result, the drill steel is always cutting virgin rock rather than grinding large chips into smaller ones, as is the case where the Kelley method is not used. In addition, the steel drill point remains sharp for a longer period of time, dispensing with the former need for frequent sharpening. Moreover, the need is removed for cleaning out drill holes before planting dynamite, where they are to be used for that purpose. Experiments demonstrated that by using the Kelley method an increase of forty per cent in actual drilling speed is achieved, and, in overall speed, there is a saving of twenty per cent, as contrasted with other types of drilling generally in use. The cost of drilling by the Kelley method is also considerably less even though the cost of the additional equipment is included in the cost basis.[3]

The dust hazard in rock drilling was recognized by drilling engineers many years ago, and after the turn of the century patents were granted from time to time for methods of controlling dust produced in dry rock drilling. As a reason for his invention, Preliwitz stated in his application, filed in 1907, that the—

"dust and chips blown from the hole make it unhealthy and annoying to the operator of the drill as the operator must necessarily inhale the dust to a greater or lesser extent."

The German patent to Heldt, of 1911, refers to the dust as—

"annoying and injurious to health,"

and in 1919, Ayotte stated that the principal object of his invention was—

"to provide means for collecting the dust and particles of material created by the drill so as to prevent the same from mingling with the air of the mine and thus affecting the health of the miners."

For approximately thirty years, therefore, scientists the world over recognized an urgent need in the dry rock-drilling industry—discovery of a method for eradication of the cause of silicosis—and attempted to meet that need. That they failed

[3] Kelley testified: "We sell the apparatus with a distinct guarantee that we will not increase the cost of production. By that I mean that the depreciation, interest on investment, cost of operation, extra cost, are included and charged up against the methods of dust control. We never have had to make good on any of these guarantees. I also sell the equipment with a written guarantee to control the dust within safe hygienic limits as specified by any recognized authority."

is obvious from the fact that, prior to the discovery of Kelley's method, the only practical method devised, and the only one used by mine operators, was that of wet drilling, which, at its best, was highly unsatisfactory.

The use of suction methods for ventilation and dust removal by means of industrial and household vacuum cleaners has long been known. The possible applicability of such methods to dust removal in rock-drilling operations seems obvious. But, although a number of experimenters attempted to achieve the desired result, the important fact is that none of them succeeded. Their proposals were tried out and rejected by the industry. They never passed beyond the theoretical or experimental stage. Prior to Kelley's discovery, and in spite of the series of patents theretofore granted, the industrial practice was either to suffer the dust or to use wet drilling. His method was the first achievement of dustless, dry drilling and it was a complete success, hygienically, as well as from the point of view of economic efficiency. This seems to make the classical picture of an invention.[4]

[2] The fact that Kelley's method may seem simple in its operation does not disprove invention.[5] The difference between it and the prior art may not be great in a physical sense, but slight as it may seem to be it was sufficient to achieve success where success had never before been achieved. It was not merely one step in a developmental process, but was the one step from failure to success. As was said in *The Barbed Wire Patent*, 143 U. S. 275, 282–283, 581 O. G. 1555:

> Under such circumstances courts have not been reluctant to sustain a patent to the man who has taken the final step which has turned a failure into a success. In the law of patents it is the last step that wins. . . . There are many instances in the reported decisions of this court where a monopoly has been sustained in favor of the last of a series of inventors, all of whom were groping to attain a certain result, which only the last one of the number seemed able to grasp.

In his brief on this appeal the Commissioner relies particularly upon the Prellwitz patent and says:

> The ground of rejection is that it would not have required invention to change the apparatus in the patent to Prellwitz, No. 1,023,594 (R. p. 121), by substituting a blower, or suction pump, for the ejector shown in the Prellwitz apparatus, as the means for sucking air out of the hole being drilled.

The Examiner, in rejecting Kelley's claims, said: "The operation of Prellwitz's device and applicant's device are exactly the same. . . ." This is a splendid example of that type of reasoning which assumes, because it is easy to follow a blazed trail, that it is also easy to make one.[6] What actually happened, when attempts were made to operate the Prellwitz device in accordance with the teaching of the prior art, was described by one of the witnesses as follows:

> . . . the Prellwitz device was a complete failure and did not operate either to permit the complete drilling of a hole or to eliminate dust. On the contrary, the hole became so choked with cuttings that the drill became jammed. So long as the drill still moved, great quantities of dust were blown into the outer air, not only from the hood, but from the point between the hood and the face of the rock being drilled.

Although the Prellwitz patent was issued in 1912 it was never a success, nor anything more than a paper patent. Prellwitz himself admitted that it was a failure.[7] The importance of this lack of utility for such a long period of time is emphasized and magnified by the fact that Prellwitz was an engineer of recognized ability in the art, employed by one of the largest manufacturers of mining machinery in the world. Moreover, this company maintained a corps of engineers whose duty it was to design improvements in drilling devices, such as Prellwitz was seeking. Yet, with all this at his disposal, Prellwitz was unable to do that which the Patent Office says any mechanic could do.[8]

Although some of the references provided for removal of dust by suction, none of them recognized or stated that it was necessary to use suction or to maintain a negative or sub-atmospheric pressure in the hood at all times during operation. In fact, so far as the teaching of the prior art was concerned, the result could as well be accomplished by ejecting or forcing the air and dust out through the exhaust, as described by Prellwitz.

Although other references described hoods with apertures which permitted ingress of air at the top and bottom thereof in addition to the air which was forced through the hole in the drill steel, none of them recognized the necessity for permitting free entry of air at these points, under conditions of subatmospheric pressure in the hood, in order to provide a curtain or seal of incoming air to prevent escape of dust. Instead, they proceeded on the theory that the hood should be physically sealed by making the apertures as small as possible. Their attempt to achieve a physical sealing in this manner worked directly at odds with the correct theory, as later discovered by Kelley.

[4] *Patent Royalties Corp.* v. *Land O'Lakes Creameries*, 2 Cir., 89 F.(2d) 624, 627; *In re Coykendall*, 29 F.(2d) 868, 58 App. D. C. 280.

[5] *United Shoe Machinery Corp.* v. *Ferree Co.*, 2 Cir., 64 F.(2d) 101, cert. dismissed, 290 U. S. 708. In *Potts* v. *Creager*, 155 U. S. 597, 608, the Court said: "The apparent simplicity of a new device often leads an inexperienced person to think that it would have occurred to any one familiar with the subject; but the decisive answer is that with dozens and perhaps hundreds of others laboring in the same field, it had never occurred to any one before. The practised eye of an ordinary mechanic may be safely trusted to see what ought to be apparent to every one." In *Loom Co.* v. *Higgins*, 105 U. S. 580, 591, the Court said: " . . . it is plain from the evidence, and from the very fact that it was not sooner adopted and used, that it did not, for years, occur in this light to even the most skilful persons. It may have been under their very eyes, they may almost be said to have stumbled over it; but they certainly failed to see it, to estimate its value, and to bring it into notice. . . . Now that it has succeeded, it may seem very plain to any one that he could have done it as well. This is often the case with inventions of the greatest merit." See, also, *Expanded Metal Co.* v. *Bradford*, 214 U. S. 366, 381; *Krementz* v. *S. Cottle Co.*, 148 U. S. 556, 560; *Du Bois* v. *Kirk*, 158 U. S. 58, 63; *General Electric Co.* v. *Hill-Wright Electric Co.*, 2 Cir., 174 F. 996, 998; *Brick* v. *Namm & Sons*, E. D. N. Y., 22 F.(2d) 693, 695, aff'd, 2 Cir., 22 F.(2d) 697.

[6] *In re Henry*, 6 F.(2d) 699, 55 App. D. C. 396; *Diamond Rubber Co.* v. *Consolidated Rubber Tire Co.*, 220 U. S. 428, 434–435; *In re Huff*, 48 App. D. C. 258, 263; *Hartford-Empire Co.* v. *Coe*, 87 F.(2d) 741, 744, 66 App. D. C. 344, 347.

[7] "If it had been a success, he would hardly have thrown it aside permanently. . . . his efforts in that direction must be relegated to the class of unsuccessful and abandoned experiments, which, as we have repeatedly held, do not affect the validity of a subsequent patent." *Deering* v. *Winona Harvester Works*, 155 U. S. 286, 301–302.

[8] See *Krementz* v. *Cottle Co.*, 148 U. S. 556, 560; *Carnegie Steel Co.* v. *Cambria Iron Co.*, 185 U. S. 403, 423, 424–425; *In re Walch*, C. C. P. A., 87 F.(2d) 511.

And in none of the references is there taught, nor do all of them together reveal, the necessity for coordination of the various steps in harmonious interaction as shown by Kelley. As was explained by witness Drinker:

> "It has to be a coordinated whole. You can divide it up theoretically into parts, but in actual operation you cannot distinguish them for they are coordinated as one unit when it is done."

Kelley was the first to conceive the idea and to describe the method for putting the elements together into a unit which functioned successfully.[9]

Kelley himself first worked on the theory of the prior art and failed. It was only when he used the particular combination described in his claims that he succeeded. And it was not until the theory of operation described in Kelley's method was understood by those who had failed in their efforts to use the Prellwitz method in the light of the prior art, that they realized the fundamental defect of the Prellwitz method and the reason for its failure.[10] In order that a reference or group of references may teach a process, the process must be deliberate and the means understood.[11]

The following language of *Wach* v. *Coe*, 77 F.(2d) 113, 114, 115, 64 App. D. C. 235, 236, 237, 453 O. G. 463, is strikingly applicable to the situation of the present case:

> For almost a quarter of a century following the Parsons invention efforts were made by leading marine engineers of the world to connect the engine and turbine to the same propellor shaft, but without success.
>
> • • • • • • • •
>
> It thus appears that the best marine engineers in the world, with unlimited means at their command, failed to solve the problem, the solution of which the tribunals of the Patent Office and the court below have ruled to be obvious to any one skilled in the art.
>
> • • • • • • • •
>
> Where, as here, the new device is also useful and marks a distinct and novel advance in the art, it should receive patent protection. For almost 25 years, as we have seen, patents have been granted in this art on devices that proved to be practically worthless, and yet appellant has been refused a patent on his successful device because the Patent Office has found that, by taking this and that from the unsuccessful patents, the result achieved by appellant could have been accomplished.

[3] The Commissioner's argument in the present case comes down to the same result. He contends that anyone skilled in the art could have taken this and that from the various patents and, putting them together, could have devised the Kelley method.[12] But the fact remains that, in the face of a crying need for a new process or method in the industry, not one of the best engineers in the world, with their attention especially directed to the subject for approximately thirty years, was able to see what Kelley saw, or to produce the result which he produced.[13] The evidence in support of appellants' application establishes beyond doubt their right to the issuance of a patent.

The decree of the lower court is reversed and the cause remanded for further proceedings in accordance with this opinion.

Reversed and remanded.

EDGERTON, *A. J.*, dissenting:

It seems to me doubtful whether or not the Supreme Court's present strict standards of invention are met here. If the case involved the validity of an issued patent, the presumption that the Patent Office is right until it is shown to be clearly wrong would control, and I should vote to sustain the patent. That was the question in all of the cases, except one from the Court of Customs and Patent Appeals,[14] which the prevailing opinion cites from other courts than our own. In the present case the Patent Office has rejected the application for a patent; and the District Court has upheld its action. I think the presumption that the Patent Office and the District Court are right until they are clearly wrong applies here. I therefore think the decree dismissing the bill should be affirmed.

U. S. Court of Customs and Patent Appeals

IN RE CALVERT

No. 3,993. Decided June 27, 1938

[97 F.(2d) 638]

PATENTABILITY—THERMAL SEAL FOR PACKAGES—DOUBLE PATENTING.

Claims of an application relating to thermal seals for packages *Held* improperly rejected on the ground of double patenting.

APPEAL from the Patent Office. Reversed.

Mr. Clarence M. Fisher, Messrs. Pennie, Davis, Marvin & Edmonds, Mr. W. Brown Morton and *Mr. Frank E. Barrows* for Calvert.

[9] See *In re Coykendall*, 29 F.(2d) 868, 58 App. D. C. 280; *Eibel Process Co.* v. *Minnesota & Ontario Paper Co.*, 261 U. S. 45, 58–60; *Hobbs* v. *Beach*, 180 U. S. 383, 393; *In re Henry*, 6 F.(2d) 699, 700, 55 App. D. C. 396, 397; *In re Davidson*, 12 F.(2d) 814, 816, 56 App. D. C. 279, 281.

[10] See *Michle Printing Press & Mfg. Co.* v. *Whitlock Printing Press & Mfg. Co.*, 2 Cir., 223 F. 647, 650; *Gasoline Products Co.* v. *Coe*, 87 F.(2d) 550, 556, 66 App. D. C. 333, 339.

[11] See *H. K. Regar & Sons* v. *Scott & Williams*, 2 Cir., 63 F.(2d) 229, 231. See *Eibel Process Co.* v. *Minnesota & Ontario Paper Co.*, 261 U. S. 45, 58–60, 66; *Minerals Separation* v. *Butte & Superior Min. Co.*, 250 U. S. 336, 348–349; *Re Moulton*, 40 App. D. C. 160.

A process is a mode, method, or operation, whereby a result or effect is produced. *Corning* v. *Burden*, 15 How. [U. S.] 252. "A patentable process is a method of treatment of certain materials to produce a particular result or product." *Holland Furniture Co.* v. *Perkins Glue Co.*, 277 U. S. 245, 255. See, also, *The Telephone Cases*, 126 U. S. 1, 533; *Cochrane* v. *Deener*, 94 U. S. 780, 788; *Tilghman* v. *Proctor*, 102 U. S. 707, 728; *Expanded Metal Co.* v. *Bradford*, 214 U. S. 366, 385.

"A process patent . . . is not anticipated by mechanism which might with slight alterations have been adapted to carry out that process, unless, at least, such use of it would have occurred to one whose duty it was to take practical use of the mechanism described." *Carnegie Steel Co.* v. *Cambria Iron Co.*, 185 U. S. 403, 424.

"The disclosure of a foreign patent is to be measured not by what may be made out of it, but what is clearly and definitely expressed in it." *Davis* v. *Coe*, 83 F.(2d) 602, 603, 65 App. D. C. 345, 346; *Becket* v. *Coe*, (No. 6790, decided June 6, 1938) 98 F.(2d) 332 App. D. C. —.

[12] "The line between the skilled mechanic and the ingenuity of the inventor cannot be accurately drawn in any given case, but where a demand has long existed, and men skilled in the art have sought to meet that demand without success, the argument that the methods employed by the inventor who has solved the problem are so obvious as to involve only mechanical skill, is not entitled to very serious consideration." (*Inland Mfg. Co.* v. *American Wood Rim Co.*, 6 Cir., 14 F.(2d) 657, 659) for "mere skill of the art would normally have been called into action by the generally known want." *Paramount Publix Corp.* v. *American Tri-Ergon Corp.*, 294 U. S. 464, 474. See, also *Eibel Process Co.* v. *Minnesota & Ontario Paper Co.*, 261 U. S. 45, 68; *Tyra* v. *Adler*, 8 Cir., 85 F.(2d) 548, 552; *Cambridge Trust Co.* v. *Coe*, 87 F.(2d) 543, 545, 66 App. D. C. 326, 328; *Gasoline Products Co.* v. *Coe*, 87 F.(2d) 550, 556, 66 App. D. C. 333, 339; *Patent Royalties Corp.* v. *Land O'Lakes Creameries*, 2 Cir., 89 F.(2d) 624, 627; *Iron Fireman Mfg. Co.* v. *Industrial Engineering Corp.*, 7 Cir., 89 F.(2d) 904, 909; *George Frost Co.* v. *Cohn*, 2 Cir., 119 F. 505, 508.

[13] See *Krementz* v. *S. Cottle Co.*, 148 U. S. 556, 560; *Lucke* v. *Coe*, 69 F.(2d) 379, 383, 63 App. D. C. 61, 65; *In re Glafcke*, 277 F. 603, 605, 51 App. D. C. 204, 206.

[14] *In re Walch*, 87 F.(2d) 511.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

HATFIELD, *J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 28 to 39, inclusive, in appellant's application for a patent for an alleged invention relating to a "thermal seal of a rubber hydrochloride", as stated in claim 28, a flexible enclosure, as defined in claim 33, and a method of packaging an article, as defined in claim 38.

We quote claims 28, 33, and 38, which are illustrative of the appealed claims:

28. A thermal seal of a rubber hydrochloride.

33. In a package and as a part of the packaging material thereof, an air-tight, moisture-proof, flexible enclosure of a rubber hydrochloride film overlapping portions of which are united by an air-tight moisture-proof bond.

38. The method of packaging an article which comprises enclosing it in a transparent film of a non-tacky rubber hydrochloride and coalescing overlapping portions of the film by applying heat and pressure thereto.

The references cited in the decision of the Board are: Bradley et al., 1,519,659, December 16, 1924; Becker et al., 1,756,919, April 29, 1930; Calvert, 1,989,632, January 29, 1935.

The patent to Calvert is appellant's patent, and the application therefor and appellant's involved application were copending in the Patent Office.

The appealed claims were rejected by the tribunals of the Patent Office as being unpatentable over claims 6 and 8 of appellant's patent, the holding of those tribunals being, in effect, that to grant appellant a patent for the invention defined in the appealed claims would amount to double patenting. The Primary Examiner also apparently rejected the appealed claims on the patents to Bradley et al. and Becker et al. in view of claims 6 and 8 of appellant's patent.

The latter ground of rejection was held unwarranted by the Board of Appeals in its denial of appellant's "request for reconsideration" of its decision, the Board saying:

A request for reconsideration has been filed. In our prior decision we held that the appealed claims are not patentable because, (1) they are not patentable over what is claimed in claims 6 and 8 of applicant's prior patent, No. 1,989,632, and (2), they are not patentable over other prior art cited. We have carefully considered applicant's brief and believe that the rejection on the second ground above is not tenable and is withdrawn. The Examiner indefinitely referred to the other prior art besides applicant's patent but apparently did not reject the claims on it.

* * * * * * *

We accordingly withdraw our rejection of the claims over the prior art which does not include applicant's prior patent. We are still of the view that the claims are unpatentable over claims 6 and 8 of applicant's prior patent.

In denying appellant's "renewed request for reconsideration" of its decision, the Board stated:

We affirmed the decision of the Examiner in his rejection of all the claims on the ground of double patenting and nothing has been presented which changes our views.

Accordingly, the sole issue before us is that of double patenting.

Disregarding for the moment claims 6 and 8 of appellant's patent on which the appealed claims were rejected, claim 3 of the patent may be used here as illustrative of the invention disclosed and claimed therein. It reads:

3. As a new article of manufacture, a homogeneous, thin sheet material or film composed of a partially saturated rubber hydrochloride *and a substance of such character and in such an amount as to retard photochemical disintegration of the rubber hydrochloride,* said sheet or film being characterized by transparency, flexibility, extensibility and inherent resistance to the passage of moisture vapors, which last-named characteristic is not appreciably affected by creasing or folding. [Italics ours.]

It will be observed that, among other things, claim 3 calls for a film of rubber hydrochloride having—

"a substance of such character and in such an amount as to retard photochemical disintegration of the rubber hydrochloride."

Claims 1, 5, and 7 of appellant's patent contain similar broad language; whereas, claims 2, 4, 9, 10, and 11 of his patent are somewhat narrower in scope. Claim 2, for example, recites that the composition therein claimed includes—

"a rubber hydrochloride and hexamethylene tetramine in such an amount as to retard photochemical disintegration of the rubber hydrochloride."

Claims 9 and 10 are somewhat broader than claim 2 in that they, respectively, define a composition of material which includes "rubber hydrohalide and a saturated secondary amine" and "rubber hydrohalide and a substituted dimethylamine".

Appellant's involved application relates generally to a "rubber hydrochloride having thermoplastic seals". It appears from the record that such material disintegrates when exposed to light over a protracted period of time, and consequently is limited to uses where it is protected from the light or where it is employed for wrapping articles for immediate use. To remedy that defect, appellant added certain substances, such as "hexamethylene tetramine", to his rubber hydrochloride composition, and photochemical disintegration was thereby greatly retarded. On December 22, 1933, approximately four months after the filing of the involved application, appellant filed his application No. 703,557 in the United States Patent Office for a patent for his improved rubber hydrochloride composition, and Patent No. 1,989,632 issued thereon on January 29, 1935.

The holding of the tribunals of the Patent Office is to the effect that appellant claimed both inventions in his patent, No. 1,989,632, and, therefore, is not entitled to another patent for one of those inventions.

Counsel for appellant contend that all of the claims in appellant's Patent No. 1,989,632 are limited to a rubber hydrochloride material or film containing a substance for retarding photochemical disintegration of the rubber hydrochloride; that claims 6 and 8, which the Board of Appeals held were not so limited, do, in fact, contain that limitation; and that, therefore, the appealed claims, which do not contain that limitation, are patentably different from claims 6 and 8 of appellant's patent.

In view of the fact that claims 6 and 8 of the patent are substantially the same so far as the issues here are concerned, we deem it sufficient to quote claim 6 only. It reads:

6. As a new article of manufacture a homogeneous, cast thin sheet material or film suitable for use as a wrapping material composed essentially of a chlorine-containing rubber derivative and being characterized by flexibility, transparency, extensibility with no more than a low degree of elasticity, and inherent resistance to the passage of moisture vapor, which last-named characteristic is not appreciably affected by creasing or folding, and *further characterized by resistance to photochemical disintegration over a prolonged period of time* and being thermoplastic whereby overlapping portions become fused to one another when subjected to heat and pressure. [Italics ours.]

It will be observed that quoted claim 6 contains the statement that the rubber hydrochloride sheet is "further characterized by resistance to photochemical disintegration over a prolonged period of time". It would seem to be clear that if the wrapping material defined in that claim is "characterized by resistance to photochemical disintegration over a prolonged period of time", it must, in view of the teaching of the patent, contain a "photochemical inhibitor" which gives it the characteristic of being resistant to photochemical disintegration.

It is true, as stated by the Board of Appeals, that claims 6 and 8 are broad and somewhat indefinite. The same may be said of quoted claim 3 and claims 1, 5, and 7 of appellant's patent. However, we are unable to concur in the view expressed by the Board that claims 6 and 8 are "too indefinite to be construed as requiring the presence of a photochemical retarder". On the contrary, we think those claims were intended to be, and are, in fact, limited to a rubber hydrochloride composition containing a photochemical inhibitor which gives it the characteristic of being resistant to photochemical disintegration.

We think it is clear from what has been said that the appealed claims are distinguishable from claims 6 and 8, as well as the other claims of appellant's patent, in that they cover the broad generic invention which comprises a "rubber hydrochloride", not resistant to photochemical disintegration, "having thermoplastic seals", rather than appellant's improved composition defined in claims 6 and 8 of his patent, which is resistant to photochemical disintegration.

In view of the fact that, as we understand its decision, the Board rejected each of the appealed claims solely upon the theory that claims 6 and 8 of appellant's patent were not limited to a composition containing a "photochemical inhibitor", and as we are of opinion that those claims are so limited, we must hold that the appealed claims differ in subject matter and scope from claims 6 and 8 of appellant's patent and are patentably distinguishable therefrom, and that the Board erred in rejecting them on the ground of double patenting.

The decision of the Board of Appeals is reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

NELSON *v.* WOLF, LEUCHS AND SAENGER

No. 3,968. Decided June 27, 1938.

[97 F.(2d) 632]

1. INTERFERENCE—PRIORITY—CONCEPTION OF INVENTION.
Where the preliminary statement of N., the junior party, alleged conception in March, 1928, and the making of a written description, disclosure to others and reduction to practice in January, 1929, *Held* that N. could not be awarded a date of conception earlier than May 5, 1928, the date accorded to W. et al. for constructive reduction to practice.

2. SAME—SAME.
Record reviewed and *Held* that the British patent of the senior party W. et al., granted on an application filed more than twelve months before their United States application involved in the interference, does not disclose the invention in issue and is not a bar to their receiving a patent in the United States.

3. SAME—SAME.
Record reviewed and *Held* that W. et al., the senior party, were entitled under section 4887 R. S. to the benefit of their prior German application filed on May 5, 1928, and that since this date was earlier than any date which could be accorded the party N. for conception, priority was properly awarded to W. et al.

APPEAL from the Patent Office. Affirmed.

Mr. Leslie W. Fricke and *Mr. William K. Nelson,* pro se, for Nelson.

Messrs. Hauff & Warland, Mr. Wm. E. Warland and *Mr. N. L. Leek,* for Wolf et al.

GARRETT, *P. J.:*

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming that of the Examiner of Interferences awarding priority upon four counts (being all the counts) involved in an interference declared June 16, 1933, between a patent issued June 21, 1932, upon an application of appellant filed December 18, 1929, and an application of appellees filed May 4, 1929.

The subject matter consists of a composition product which is fairly illustrated by counts 1 and 4, reading as follows:

1. A composition material of a cellular texture resulting from a mixture comprising water, an inorganic material having plastic properties and capable of setting in the presence of water as the major ingredient, a gas for forming bubbles in the mixture, and a substance selected from the group consisting of sulphonic acids of alkylated aromatic polynuclear hydro-carbons and salts thereof.

4. A composition material of a cellular texture resulting from a mixture comprising water, an inorganic material having plastic properties and capable of setting in the presence of water as the major ingredient, a gas for forming bubbles in the mixture, and the sodium salt of isopropyl naphthalene sulphonic acid.

Certain of the issues are somewhat novel.

Appellees, according to their application and the oath thereto, are "citizens of the German Empire", and they rely for reduction to practice upon an application filed in Germany May 5, 1928, by a German company, their assignee. In the oath to the United States application, the German application is listed along with other applications stated to have been filed in various other foreign countries on dates ranging from July 26, 1928, to February 27, 1929. The oath states that "no application for patent on said improvement has been filed by them or their representatives or assigns in any country foreign to the United States", except those named in the oath.

It appears from the record that on April 5, 1928, an agent of the assignee of appellees filed an application in Great Britain which matured into a patent (Br. No. 315,205) "sealed October 3, 1929". This application was not included in the list above referred to, but it is claimed by Nelson that it was for the same invention, and this claim presents one of the issues in the instant proceeding.

Appellees took no testimony in the instant case but relied upon the application filed in Germany May 5, 1928. The tribunals of the Patent Office

concurred in holding that they were entitled to rely upon that application, and this presents another of the issues in the case.

[1] The preliminary statement of appellant claimed conception in the early part of March, 1928; written description and disclosure to others "on or about" January 20, 1929, and reduction to practice in "the latter part of January, 1929". He took testimony respecting these dates, but the tribunals of the Patent Office, except as to the date of conception, did not find it necessary to review such testimony, because of their holding that appellees were entitled to rely on their German filing date of May 5, 1928. As to the date of conception, it was held, we think correctly, no date prior to May 5, 1928, could be awarded appellant.

The issue respecting the British patent, No. 315,205, was raised by appellant by a motion to dissolve the interference on the ground that appellees were barred under section 4887 R. S. from receiving a United States patent, the British application having been filed more than twelve months before the filing date of their United States application. This motion was denied in an interlocutory decision by the Examiner of Interferences, rendered August 10, 1934, after motion to dismiss it had been overruled, first by an Examiner and later by the Commissioner upon petition presented to him. Following the interlocutory decision, which was based upon the holding that the British patent was for an invention different from the invention involved in the count of the interference, appellant Nelson took testimony by way of rebuttal, such testimony being directed to an effort to show that the inventions were the same.

The final decision of the Examiner of Interferences was rendered February 28, 1936. In this, consideration was given to the rebuttal testimony of appellant and it was held that nothing was found therein "which would justify a holding contrary to that previously made".

[2] In affirming the holding of the Examiner of Interferences respecting the British patent, the Board said:

> • • • we think it is clear on mere inspection that that patent was directed to a process quite different from that disclosed by the applications here involved and the counts are not anticipated in terms or met in merits by that disclosure. The process involved in the British patent relates to making bricks in the true sense, in that they are fired at a temperature of 1150° C. This step of firing is definitely included as a requisite in each example and in each claim of the patent. Further, the combinations of the British patent do not at all satisfy the terms of the counts in that a mixture there disclosed as an example gives 100 parts of clay to 16 parts of cement, that is, a material capable of setting in the presence of water. We construe the expression, "the major ingredient", to require that it be true cement or such material capable of setting in the presence of water. It is accordingly held that the British patent does not bar the allowance of claims corresponding to the counts to Wolf et al. Nelson's rebuttal testimony relates largely to some tests of the matter alleged to be disclosed in the British patent to show that that process is operative without a firing step of 1150° C. and with only a "baking" temperature of 90° C. This showing is not regarded as relevant to the question since the process of the British patent taken either with or without firing at 1150° is not the same in principle or in details to that of the issue. Further, the exhibits produced at the 90° temperature are obviously too soft and friable to be of any practical use.

We have analyzed the British patent and examined the rebuttal testimony on behalf of appellant in the light of counsel's elaborate argument concerning it, with the result that we concur in the conclusion reached by the tribunals of the Patent Office relative to it, and we deem it unnecessary to add to the statement of the Board just quoted.

The second question is whether appellees are entitled to rely upon the filing date of their German application. This, of course, involves the question of whether that application is for substantially the same invention as the invention described in the counts at issue.

It is noted that the claim of the German application is for a process while each of the counts here at issue is for a composition of matter. We take it to be well settled, as stated by the Examiner of Interferences, "that process and apparatus claims may define the same invention." *Steinmetz* v. *Allen*, 192 U. S. 543, cited by the Examiner of Interferences, is a leading case upon this point. The case of *General Electric Co.* v. *Alexander*, 27 Fed. 290, is also cited by the Examiner of Interferences. It was there held, in effect, that a foreign and a domestic patent might be for the same invention even though one claimed a process and the other a product, if, by following the process, the product would result.

Upon the general proposition that it is immaterial whether a foreign application claims the subject matter of counts so long as it clearly discloses such subject matter, the decision of this court in the case of *Lorenz K. Braren* v. *George Horner*, 18 C. C. P. A. (Patents) 971, 47 F.(2d) 358, 408 O. G. 825, is apropos.

We do not understand appellant seriously to challenge the foregoing rules of law, nor do we understand him seriously to question the finding that by following the German process the product described in the counts would be obtained. On the contrary, we understand these matters to be conceded.

[3] We agree with the Board's comparison of the German application with the counts at issue, and deem it proper to quote therefrom:

> • • • we find on careful consideration of the disclosure in the German certified translated copy of the specification and comparison with the matter of the specification of the present Wolf et al. application that the two disclosures are substantially the same in matters of merit and that the counts are supported by the German application. The German application clearly discloses the employment of cement or other hydraulic binding agents which satisfies the broad expression in the counts of a material having plastic properties and capable of setting in the presence of water. While the German application states that such cement may have materials added to it such as pumice stone, slag and the like, this is considered to be an optional feature in that it is only stated that such materials "may be" added. It is our opinion that one working in this art would be thus informed that a cement material might be used alone or with such fillers. We think this disclosure of the German patents satisfies the limitations in the counts that such cement material is, if desired, to constitute the major ingredient. The German application clearly discloses the addition of sulphonic acid compounds as a froth forming ingredient in association with gas for forming bubbles in the mixture. We are convinced that on the showing presented this German application discloses the subject matter of the counts and was filed in behalf of Wolf et al. within the requirements of Statute 4887.

In view of our conclusion upon the foregoing questions, it is unnecessary further to consider the evidence offered on behalf of appellant respecting the dates claimed in his preliminary statement.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE NELSON

No. 3,969. Decided June 27, 1938

[97 F.(2d) 601]

1. PATENTABILITY—LIQUID AND SOLID FORMS OF PRODUCT NOT PATENTABLY DIFFERENT.
   Where claims relating to a food product in liquid form and a method of preparing same were rejected on the disclosure of a product in solid form, *Held* "the mere matter of liquid form, if the respective compositions are substantially the same, cannot be regarded as lending patentability to appellant's claims."
2. SAME—ONION JUICE.
   Claims for extracted onion juice and a method of preparing and preserving same *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Percy S. Webster for Nelson.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Examiner denying patentability, in view of prior art cited, of seven claims, numbered 19 to 25, inclusive, of appellant's application for patent entitled "For food product and method of preparing same." The specification recites that the claimed invention relates particularly to the preparation and preserving of onion juice, and each of the claims names this product.

Claims 19, 20, and 21 are for the product; the others are for the method of preparation and preservation. As illustrative, we quote claims 19 and 22:

> 19. A food product which comprises the natural extracted juice of an onion the free acids of which have been neutralized, whereby the product has a pH value of 6.8 to 7.
>
> 22. That method of preparing a food product which comprises extracting the natural juice from onions, forthwith neutralizing the free acids in the juice to impart to the juice a pH value of 6.8 to 7, and adding a preservative.

Claim 23 specifies "adding a base to the juice in an amount to impart to the juice a pH value of 6.8 to 7." Claim 24 names calcium hydroxide for such base; claim 25 names sodium chloride. Each of the claims, except No. 19, specifies use of a preservative, the nature of which is not described.

The references upon which the claims stand finally rejected are the following patents: Blogg (British), 1,312, March 16, 1905; Barron (British), 14,835, November 20, 1916; Ellis, 1,002,506, September 5, 1911.

Specifically, the rejection was based upon the patent to Ellis in view of the patents to Barron and Blogg. The Examiner's description of the disclosures of the references and of appellant's method of preparation and preservation, given in connection with his reasons of rejection, is as follows:

> • • • The product of the Ellis patent is a solid seasoning material composed of dried onion juice, salt, calcium carbonate, and starch. Ellis expresses the juice from onions and combines the clear juice with salt. This mixture is then dried and to it is added the other two components of the product, namely, calcium carbonate and starch. On page 1, lines 78 to 80, it is stated that "Carbonate of lime, in particular, tends to preserve the neutrality of the composition." On page 2, lines 23 to 24, there is the statement, "Carbonate of lime may serve as antacid material." The calcium hydroxide specified by applicant in claim 24 is deemed to be but a chemical equivalent for the calcium carbonate disclosed by Ellis, since both are alkaline materials. It is held that the calcium carbonate in the Ellis composition is soluble enough and alkaline enough, and that the product and the atmosphere contain enough moisture to permit a correction in the pH value from 5 or 5.4 to 6.8 or 7, such a correction requiring a comparatively small amount of alkaline material. Applicant's product is alleged to be unoxidized and fully preserved; Ellis' product contains "onion material solely in a substantially unoxidized or undecomposed state" (page 2, lines 27 to 29).
>
> Barron et al. teach the preparation of an onion essence with rectified spirits of wine. The product is definitely a liquid onion extract. The use of salt in an onion flavoring composition is also mentioned (page 2, line 1).
>
> Blogg shows the use of alcohol to preserve essential oils, the alcohol serving to protect the oil from oxidation.
>
> Applicant's product is thus prepared by expressing the juice of onions, adding salt and a basic substance, as taught by Ellis, and then adding a preservative, as taught by each of Barron et al. and Blogg. The seasoning composition may be liquid, as shown by Barron et al. and Blogg; calcium hydroxide "may serve as antacid material" instead of calcium carbonate, since it is an obvious equivalent alkaline substance. Applicant's product is unoxidized; so, too, is Ellis' (see claims 1 to 4). Variations in the proportions of salt and alcohol may be practiced; the pH of the product may be specified. However, patentability may not be predicated upon specific limitations in the proportions of a composition when no different product is obtained. *In re Lilienfeld*, 21 C. C. P. A. (Patents) 792, and decisions cited therein. Nor may patentability be predicated upon specific characteristics ascribed to an old product or process.

The brief on behalf of appellant, inter alia, states:

> • • • Applicant, of course, does not claim any novelty in the addition of a preservative per se to any substance so no detailed consideration of these references is necessary.
>
> This therefore narrows the consideration of this case down to the one proposition as to whether or not the Ellis patent, No. 1,002,506, teaches applicant's method or discloses applicant's final product.

At the hearing before us appellant did not present oral argument, but submitted on brief.

In the brief a comparison was made between appellant's application and the Ellis patent, in parallel columns, as follows:

METHOD

The Applicant	*Ellis*
Onion Bulbs.	Onion Bulbs.
a. Express juice	*a.* Express juice
b. Filter juice from pulp.	*b.* Separate juice from pulp.
c. Add a *small amount* of salt (optionally omitted) to onion juice.	*c.* Add a relatively small percentage of onion juice to *an excess quantity* of salt to make a paste.
d. Correct pH value of the clear juice from 5 to 5.4 to 6.8 to 7.	*d.* Vacuum distill salt-juice paste to a dry state to permit grinding.
e. Add alcohol or other preservative.	*e.* Grind the dry paste.
	f. Add starch or carbonate of lime (C_aCO_3) to keep the ground salt dry and free flowing.

PRODUCT

Applicant	*Ellis*
A clear onion juice retained in liquid form, having the important property of being free of acid reactions and thereby capable of retaining its natural color and flavor for an indefinite period.	A dry salt of light green color having an onion flavor in which the salt is the predominating ingredient and which salt contains dry starch or dry carbonate of lime, as a *non-hydroscopic* agent to keep the salt free flowing.

It is noted that the comparison quoted is not confined to the exact phraseology of either the claims of the application, or of the Ellis patent. It seems to

be appellant's interpretation of the meaning of the terms respectively used.

Subsequent to the hearing, the court requested counsel for appellant to elucidate certain questions not fully understood from the first brief, and counsel responded with a statement, the pertinent portions of which we quote:

> The expression pH value as used by applicant in the claims on appeal may be interpreted in practical language as a symbol of a system or scale used for expressing the measurement of acidity or alkalinity of the onion juice constituting the final new product of applicant.
>
> Technical definitions of pH are to be found in Webster's New International Dictionary, Second Edition, Unabridged; and in General Chemistry, by Leon B. Richardson, Revised Edition, page 240.
>
> The relation of the use of the expression in the claims on appeal to the contentions of applicant is as follows:
>
> Richardson, supra, states that a *neutral* solution is one in which the pH value is 7; an *acid* solution is one having pH value *less* than that number.
>
> Natural onion juice when first extracted is extremely acid; i. e., according to applicant's disclosure has a pH value of 5 to 5.4. * * * The acids in the natural onion juice are what cause quick oxidation and deterioration of the same both in color and flavor, and this cannot be arrested, even if a preservative is added to the natural juice.
>
> Applicant's invention * * * is comprised in the fact that he conceived of immediately substantially neutralizing the onion juice solution by adding calcium hydroxide thereto. This neutralization produced therefore a product having a pH value of from 6.8 to 7, or substantially acid free. The applicant then determined that when a preservative was added to this neutral solution (one having a pH value of 6.8 to 7) that thereafter deterioration of flavor or color would not occur.
>
> The original juice being an acid *solution*, and the invention consisting primarily in converting such *acid* juice into a substantially neutral juice and then fixing it to remain in its latter condition, the applicant uses the chemical expression pH value of 6.8 to 7 to indicate that the new solution is neutral instead of acid as it was when first extracted from the onions.

One point suggested by appellant is that his product is in liquid form, while that of Ellis is in the form of a dry salt. As to this, the brief of the Solicitor for the Patent Office says:

> * * * the appealed claims themselves do not appear to be expressly limited to a product which is in liquid form. They seem merely to relate to onion juice and the patent to Ellis clearly points out that his product is such as "to hold the onion juice imprisoned * * *".

[1] We are of the opinion that a fair interpretation of the claims is that appellant's product is in liquid form, but it does not follow that this of itself would render them patentable. The Solicitor for the Patent Office suggests that—

> "there is no particular patentable difference between a composition which is in dry form and one which is the same composition with the addition of water,"

citing the cases of *In re Matthew Green and Elmer M. Jones*, 18 C. C. P. A. (Patents) 1247, 48 F.(2d) 933, 411 O. G. 276; and *In re Bates*, 24 C. C. P. A. (Patents) 998, 88 F.(2d) 486, 483 O. G. 237. Those cases are the reverse of this in that the respective parties were claiming compositions in dried form, whereas the references showed compositions in liquid form. The principle there followed, however, is deemed to be applicable in this case. So, the mere matter of liquid form, if the respective compositions are substantially the same, cannot be regarded as lending patentability to appellant's claims.

It will be noted from that part of the statement of the Examiner quoted, supra, that he expressly held that the calcium carbonate used by Ellis—

> "is soluble enough and alkaline enough, and that the product and the atmosphere contain enough moisture to permit a correction in the pH value from 5 or 5.4 [the value which appellant's disclosure teaches is in natural onion juice when first extracted] to 6.8 or 7, such a correction requiring a comparatively small amount of alkaline material."

Also, the Examiner held that it did not constitute invention to substitute calcium hydroxide [named specifically only in appellant's claim 24] for the calcium carbonate used by Ellis. These holdings the Board approved, and we are not convinced by anything appearing in the record, nor by appellant's argument, both of which have been carefully studied, that such holdings are erroneous.

[2] The claims contain no limitation defining any particular amount of whatever neutralizing agent may be used, so no step critical as to amount is defined over the prior art.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

WHITMAN PUBLISHING COMPANY
v.
MCLOUGHLIN BROS., INC.

No. 3,982. Decided June 27, 1938

[97 F.(2d) 608]

1. TRADE-MARKS—INTERFERENCE—SET OF BOOKS—TITLE TO COPYRIGHT NOT MATERIAL TO ISSUE.
   In an interference proceeding between applicants for registration of a trade-mark for a set of books, *Held* that the question of one party's title to a copyright on the books does not affect the right of the other party to registration of the mark.
2. SAME—SAME—SAME.
   In an interference involving a trade-mark for use on a set of books *Held* that the junior party's use of the mark, "The Little Big Books" in 1928, and in subsequent years except 1932, was a trade-mark use indicating origin and not a title use, that the junior party's use of the mark in 1933, 1934, and 1935 negatives any assumption that it abandoned the mark by failing to issue an edition in 1932 when the senior party entered the field, that so long as the junior party continued to reprint and issue the books originally printed, bearing the imprint of the mark, even had no change in text been made, it had the right to claim ownership of the mark and that priority was properly awarded to the junior party.

APPEAL from the Patent Office. Affirmed.

Mr. A. Yates Dowell and *Mr. Edward S. Rogers* for Whitman Publishing Company.

Mr. Edmund H. Parry, Jr., for McLoughlin Bros., Inc.

GARRETT, *P. J.:*

This is an interference proceeding involving applications for the registration of a trade-mark in the United States Patent Office. It comes to us by appeal from a decision of the Commissioner of Patents, speaking through the Assistant Commissioner, awarding priority to appellee. The Commissioner's decision reversed that of the Examiner of Interferences who dissolved the interference without ruling upon the question of priority.

The mark which appellant seeks to register is "The Big Little Book" for use on "a series of books published from time to time". Its application was filed October 19, 1934, and alleged continuous use "since about December 12, 1932".

It is stated in the briefs for both parties that following the official publication of the mark of appellant an opposition was filed by appellee on the same date, March 29, 1935, that it filed its application for registration, and that opposition proceedings were suspended pending the determination of the interference which was formally declared July 3, 1935.

The mark for which appellee makes application is "The Little Big Books", printed in somewhat fanciful type. It is used on the same kind of articles as those upon which the mark of appellant is used, and the application alleges continuous use "since December 26, 1928".

In both applications there are disclaimers as to the word "Books" apart from the mark shown, and both state, in substance, that no claim is made to the words "Little" and "Big" except in combination with each other. The record discloses that use of the marks by both parties so far has been on books for children and that the marks are affixed in addition to the individual titles of such books, being applied to the individual book and, in the case of appellee, to "sets" of such books put up in package form.

Concededly, the marks are confusingly similar and are applied to articles of the same descriptive properties; also, as we understand it, appellee is conceded to have been the first user, but its ownership of the mark is challenged for reasons hereinafter stated.

Taking up first the activities of appellee, it appears from the record that in 1928 it issued a set of twelve books, each book having an individual title, such, respectively, as "Little Stories for Little People"; "Little Rhymes for Little People"; "The House that Danny Built", etc. In addition to the individual title, each book bore on its front cover the imprint "The Little Big Books". An exhibit consisting of a set of twelve books, introduced in evidence, shows them contained in a cardboard box with hinged covers, upon which covers the quoted imprint also appears. The books, printed in 1928, began to go on the market in 1929 and it appears that there were reprints in 1929, 1930, and 1931, 120,000 being issued in each of those years.

In 1932 no edition was issued. In 1933 an edition was issued in which a different type of paper was used. In 1934 and 1935, as we understand the testimony, there were editions in which as many as four of the volumes theretofore bound separately were consolidated in a single volume, and there is a claim that certain textual changes were made, and certain stories added.

The brief for appellant summarizes its activities as follows:

> In December, 1932, Whitman prepared a series of books for children which were unique in subject matter, style and format. These books were short and thick, with small fat pages and were designed to fit the hand of a child. The subject matter was patterned after the familiar newspaper comic strips with an illustration opposite each printed page, and like the comic strips, there is a change in each issue * * *. This creation was unique and the books immediately obtained a large sale. They were designated "The Big Little Books" * * *. The extent of the business in them is indicated by the fact that there has been a total of 26,861,533 copies sold. The average per year has been 8,750,000 copies. * * *. The subject matter of the books is constantly changing, about three titles a month being put out * * *. All, however, are designated "Big Little Books" which is the trade-mark for the Whitman books as distinguished from the title of the particular volume. The Whitman books are sold generally throughout the country and are always designated as the "Big Little Books." This is the mark Whitman seeks to register. It is a mark which in fact distinguishes Whitman's goods.

It may be added that several of the books issued by appellant were filed as exhibits. Each of these bears an individual title. Some of the respective titles are "Dick Tracy", "Skippy", "Little Orphan Annie", "Moon Mullins". Each volume has on its outside cover the imprint "The Big Little Book". It is shown by another exhibit that more than 100 different books had been issued by appellant up to the time of the taking of its testimony. Whether ever sold in sets packed in the manner in which appellee sometimes packed its books, with the mark affixed to its package, does not appear, nor is this deemed material.

One phase of the case which was not referred to in either of the decisions of the tribunals of the Patent Office (it evidently not being thought necessary by them to consider it under their respective theories as to the law applicable to the controversy) is the subject of a very earnest contention made before us by appellant, and it appears proper for us to consider it.

Briefly stated, it appears that the subject matter of the set of books printed by appellee in 1928, and reprinted in subsequent years as above described, originated in England; that it was the work of English writers, and that it was printed in England by the Oxford University Press. It further appears that the titles of the individual books so issued in England were the same as the titles given them in the print and reprints by appellee in the United States, and, upon the whole (although the evidence is not conclusive upon this point), we think it fairly may be assumed that the individual volumes and the sets issued in England also bore the imprint "The Little Big Books", applied to them by appellee in its print and reprints in the United States.

There is no evidence that any of the books so printed in England were ever imported into the United States and here sold or offered for sale, nor is there any evidence that the English authors or English publisher ever sought or procured a United States copyright on them. Indeed, there is no evidence that they were ever copyrighted in England. When appellee issued them it did copyright them in the United States. At least, the volumes filed as exhibits bear a copyright imprint. Based upon these facts, appellant, as its primary contention before us, alleges that appellee is met at the threshold by an "insuperable obstacle * * * which effectively prevents any decision" in its favor. Appellant's brief says:

> * * * Both the name, which McLoughlin is seeking to register, and the books to which the name has been applied were appropriated by McLoughlin without authority from a set of books written by Mr. and Mrs. L'Estrang and published by the Oxford University Press. The pirated books were copyrighted by McLoughlin upon an application falsely asserting its employee Miller to be the author. This is unclean hands as a matter of law and prevents any decision in McLoughlin's favor. We shall therefore discuss in this brief two questions: (1) McLoughlin's standing to be heard and (2) the fact that McLoughlin's alleged trade-mark is not applied to a series

of books published periodically as the application asserts but is the title of a complete work not added to from time to time and hence is not registrable under the trade-mark act.

It is Whitman's contention that McLoughlin is not in court with clean hands and also that if Whitman were not in the case at all, McLoughlin still would not be entitled to a registration because, without reference to its inequitable conduct which prevents any consideration of whatever rights it might otherwise have, it cannot qualify under the statute and has no trade-mark to register.

[1] The issue of "unclean hands" so raised, we think, may be disposed of without lengthy discussion by us. It is not seen how the matter of appellee's title to the copyright can be determined in this proceeding, nor is it seen how this matter can affect appellee's right to register a trade-mark. The Patent Office has no jurisdiction over copyright matters, nor has this court. It must be borne in mind that no English concern is here complaining with respect to appellee's activities either at the time it first began to print the books bearing the mark, or at any subsequent time. It is true that appellant introduced testimony to the effect that it acquired "The American rights" of the Oxford University Press, but that was at a period subsequent to the institution of the interference and long after appellee's activities began. It is really difficult to say just what "American rights", in any way involved here, appellant obtained. It is clear that Oxford University Press never had any United States copyright, nor any United States trade-mark to convey, and the right of registration of the latter is all that is here involved.

It is suggested by appellant that appellee's conduct in reprinting the English books and copyrighting them was unethical. This requires no expression of opinion by us. The acts were not legally improper, so far as anything in the record discloses, and the activities of appellee in this regard are not in themselves deemed to be of a character which should deprive it of the right to claim ownership of the mark.

The gist of the holding by the Examiner of Interferences, embraced in two decisions (the last decision being upon an application for rehearing), was that, in the case of appellee, the series of books issued by it was complete at the time of the print in 1928, and that the phrase "The Little Big Books" had become a mere title to the subject matter. In his second decision, the Examiner of Interferences said:

> • • • The Examiner's [original] decision was based primarily upon the subject matter contained in the junior party's [appellee's] Exhibit No. 1, which the record clearly shows was sold by the latter continuously beginning in 1928 and continuing to 1934, a period of six years. During all of this time the subject matter was not varied in any way and it is believed was clearly in the public domain except insofar as the junior party may have obtained a valid copyright of this subject matter. During all this period of time, to wit: from 1928 to 1934, there was nothing either in this subject matter itself or in any acts of the junior party to apprise the public that this subject matter was not complete. As to this subject matter, the title "The Little Big Books" was, for reasons fully stated in the decision dated May 25, 1936, clearly and directly descriptive thereof.

On the other hand, the Examiner of Interferences held that the subject matter of appellant's publication was not complete prior to 1934—

> "but was distinctly a serial publication of which the public was amply apprised upon the face thereof, in much the same way as is a comic supplement in a newspaper • • •."

It was found by the Examiner of Interferences that in editions issued by appellee in 1934 certain stories were added to those included in its editions of prior years, but this was held to be immaterial inasmuch as appellant had entered the field in 1932, after appellee's print had become "complete".

The Examiner of Interferences further declared:

> In this Office the titles to printed publications are registered if, as, and when it appears that the subject matter is not complete. Since it appears herein from the testimony that the subject matter of the printed publication constituting the merchandise of the application of McLoughlin Bros., Inc., was complete long prior to the date of filing thereof, it follows that this application was and is not prima facie allowable. More specifically, the title to the printed publication is incapable of exclusive use as a trade-mark by this applicant.

The Commissioner, after first holding it to be immaterial, in his opinion, whether appellee made the additions to the text of the editions issued by appellee in 1934, said:

> I can perceive no reason why a trade-mark may not properly be applied to a book, or to a complete collection of books, just as it may be applied to a serial publication, or to any other article of merchandise. It is true, of course, as was held in the case of *In re The Page Co.*, 47 App. D. C. 195, that the title of a particular book may not also function as a trade-mark for that book, or for a set or series in which it is included; but that situation is not presented here. As already noted, each of appellant's books bears its individual title, and it is not suggested that any of these titles is even remotely simulated by the trade-mark.
>
> Nor am I able to agree with the Examiner of Interferences that the mark has become "the title to the printed publication" simply because the series of books may be considered complete. From that holding it would necessarily follow that upon the completion of any such series, or upon the suspension of its publication, a registered trade-mark under which the books of the series had been sold would become invalid, and its registration would be subject to cancellation. In fact that would be the status of appellee's mark, which the decision states is registrable, in the event appellee should decide to add no more books to those already published. To my mind such doctrine is clearly unsound. I think that trade-mark ownership in a mark applied to books depends upon exactly the same considerations as those by which the question of ownership is determined with respect to marks applied to any other merchandise. I can find no justification, either in law or in reason, for applying a different rule.
>
> Appellant has been using its mark, on the goods specified in its application, continuously since 1928. The date of first use claimed by appellee is December, 1932. In the view I take of the case appellant is therefore entitled to an award of priority.

In the case of *In re Page Company*, 47 App. D. C. 195, 247 O. G. 246, the court held that a trade-mark may be registered for a series of literary publications, but that such mark must be arbitrary, and not merely the name of any one or more of the series, the reasoning being that the name or title is clearly descriptive, the public having "no way of describing the book but by the use of the name". Also, it was there held that "The trade-mark law is not intended to conflict with or extend the operation of the copyright law."

[2] We find ourselves in agreement with the reasoning of the Commissoner of Patents in this case. It seems to us clear that appellee's use of the mark in 1928 and in the subsequent years was a trade-mark use indicating origin; not a title use, and, although it did not issue an edition in 1932, the year appellant began use of its mark, we do not think appellee should be held to have then abandoned it. Its subsequent use of it in the years 1933, 1934, and 1935 negatives such an assumption. We are of the opinion that so long as appellee continued to reprint and issue the books originally printed, bearing the imprint of the mark, even had no change in text been made, it had the right to claim ownership of the mark so far as anything in this record shows.

The decision of the Commissioner of Patents is, accordingly, affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

KAASA *v.* MEKLER

No. 3,983. Decided June 27, 1938

[97 F.(2d) 612]

INTERFERENCE—PRIORITY.

Priority of invention of process for producing anti-knock gasoline *Held* properly awarded to senior party M. on ground that evidence failed to establish conception or reduction to practice by junior party prior to senior party's filing date.

APPEAL from the Patent Office. Affirmed.

Messrs. Pennie, Davis, Marvin & Edmonds, Mr. Louis D. Forward, Mr. Clarence M. Fisher and *Mr. Raymond F. Adams* for Kaasa.

Mr. Charles M. Thomas and *Mr. Clarence O. McKay* for Mekler.

GARRETT, *P. J.:*

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming that of the Examiner of Interferences awarding priority to Mekler upon the two counts involved in an interference declared between applications of the respective parties.

The counts read as follows:

> 1. In cracking *petroleum stocks containing a substantial proportion of gasoline* for the production of gasoline fractions of improved anti-knock value, the improvement which comprises supplying the stock to a heating conduit substantially in liquid phase, heating the stock to a high cracking temperature in the heating conduit while flowing therethrough as a stream, discharging the heated stock from the heating conduit substantially in vapor phase, and *maintaining a lower rate of heat transfer per unit of area of said conduit from a point in advance of that at which substantial vaporization begins to the point at which the phase change substantially ceases than immediately beyond the last mentioned point.*
>
> 2. In cracking *petroleum stocks containing a substantial proportion of gasoline* for the production of gasoline fractions of improved anti-knock value, the improvement which comprises supplying the stock to a heating conduit substantially in liquid phase, heating the stock to a high cracking temperature in the heating conduit while flowing therethrough as a stream by heat transferred principally as radiant energy, discharging the heated stock from the heating conduit substantially in vapor phase, and *shielding said conduit from the source of said radiant energy from a point in advance of that at which substantial vaporization begins to the point at which the phase change substantially ceases.*

For reasons which will appear later, we have italicized certain clauses of the counts.

Mekler is the senior party, his application having been filed September 30, 1932; that of Kaasa was filed November 14, 1932.

An issue in the case is that of the construction of the counts—particularly the limitations italicized in their quotation, supra.

It first may be said that the process is for producing "anti-knock" gasoline; that it is one of introducing petroleum stocks (in liquid condition) containing a substantial proportion of gasoline into a heating conduit where, while flowing therethrough, the stock is heated to a high cracking temperature; that the heat, mainly, is supplied radiantly to the conduit from the combustion chamber in which the conduit is located; that the heated stocks are discharged from the conduit substantially in vapor phase, and that from a point in the conduit in advance of the point where substantial vaporization begins to the point where the vapor phase change substantially ceases a lower rate of heat per unit of the conduit's area than the rate supplied to it immediately following the last named point is maintained. Count 2 specifies the producing of this lower rate of heat by shielding that part of the conduit in which such lower rate is desired. The devices of both parties show shielding means for this purpose.

No question of the right of either party to make the counts was presented.

In his preliminary statement Kaasa alleged actual reduction to practice between January 19, 1932, and February 20, 1932, but his brief before us concedes that upon the evidence presented the earliest date which he can claim for complete reduction to practice is "early in March, 1932". Mekler claimed conception in March, 1931, and constructive reduction to practice by filing his application September 30, 1932.

The evidence of both parties was presented in the form of stipulations entered into by counsel, to each of which stipulations were attached various exhibits upon which the decisions below were principally based, in the light of the construction given the counts.

The Examiner of Interferences held that Kaasa's record failed—

> "to clearly establish either conception or reduction to practice prior to the party Mekler's record date".

To Mekler he awarded conception as of December 2, 1931, and found that he was diligent in reducing to practice, saying that even if Kaasa should, upon appeal, be awarded reduction to practice in February, 1932, Mekler—

> "must still prevail in view of his prior conception and no lack of diligence in constructively reducing the invention to practice."

The award of conception to Mekler by the Examiner of Interferences was based upon Mekler's treatment of naphtha. With this award the Board disagreed, being of opinion that the counts required reading in the light of Kaasa's application, where they originated.

The application of Kaasa in defining what was meant by the phrase "petroleum stocks containing a substantial proportion of gasoline" says:

> • • • I refer to stocks of which more than 40% boils off up to 420° F. at atmospheric pressure and intend to include stocks of which as much as 90% or more boils off at 420° F. under atmospheric pressure. In referring to high cracking temperatures, I refer to cracking temperatures upwards of 890° F. • • •

Because of its view that the phrase "substantial proportion of gasoline" should be read in light of this definition, the Board, saying that "Naphtha does not necessarily contain the amount of gasoline constituents indicated in the counts," held that Mekler did not, on December 2, 1931, show conception as to the "substantial quantity of gasoline", and restricted him to his filing date of September 30,

1932, for both conception and reduction to practice. The award of priority to him by the Examiner of Interferences nevertheless was affirmed, because Kaasa also was held to be restricted to his filing date of November 14, 1932.

This holding, adverse to Kaasa, was predicated upon the Board's finding respecting the limitations defined in the last clauses of the counts italicized by us in their quotation, supra. The construction given these limitations was in harmony with that of the Examiner of Interferences and, seemingly, in harmony with the holding of a Primary Examiner in an ex parte proceeding made a part of the record here.

It may be here said that the application of Kaasa was assigned to a company with which a party by the name of Herthel was associated. This is said by way of explaining the appearance of the name of Herthel in the quotation hereinafter made.

Discussing the limitations in last clauses of the counts, italicized, supra, the Board said:

We are • • • of the opinion that the limitation as to "maintaining a lower rate of heat transfer per unit of area of said conduit from a point in advance of that at which substantial vaporization begins to the point at which the phase change substantially ceases than immediately beyond the last mentioned point" is a material limitation and must be proved.

• • • • • • •

We have examined the Kaasa record carefully but we find no documentary evidnce that Kaasa or his coworkers had any conception prior to the filing date of the Kaasa application of maintaining the lower rate of heat transfer between the specific points stated in the counts. Herthel appears from Kaasa's Exhibit 22*b* to have disclosed the general idea of some limited range of reduced heat transfer, but this disclosure is too general to satisfy the counts. Herthel's letter (Exhibit 25) is likewise defective in this respect.

The notebook records, blueprints and telegrams leave too much to the imagination if one is to decipher from these exhibits the invention stated in the counts. The correspondence between Herthel and Adams would lead one to believe that up to the time of preparing the application Adams thought Herthel was the inventor and was in doubt as to the critical point. Herthel stated that Kaasa was the inventor of the shielding but neither Herthel nor Kaasa had, so far as we have been able to determine from the Kaasa record, a conception or reduction to practice of the exact relative location of the shielding and the two points of the issue prior to the filing date of the Kaasa application.

As we understand the foregoing, it means simply that Kaasa was found not to have proven (prior to his filing date) conception or reduction to practice of a system wherein there was a shielding (or any equivalent operation) of the conduit (consisting of a series of connected tubes) over a portion of same. the beginning of the shielding being at a point on the conduit in advance of the point where the oil stock had reached a temperature at which substantial vaporization began and ending at the point on the conduit where vaporization ("the phase change") substantially ceased.

It is the contention of Kaasa upon this point that the interpretation of the counts so made was narrow and artificial, he going so far as to urge that under such interpretation an operation is defined—

"with respect to which neither the Kaasa application nor the Mekler application contains a disclosure adequate to enable the man skilled in the art accurately to ascertain the point at which the protected zone (i. e., the shielded zone) should begin, or the point at which it should terminate."

In a petition for reconsideration filed with the Board. this contention, along with others. was stressed at great length. In denying that petition, the Board said:

The petitioner argues in effect that the counts are meaningless unless construed in the light of his application and that points of the counts refer to a point in the heating conduit at which vaporization has proceeded to such a degree that there will be enough segregation (of high boiling hydrocarbons from low boiling hydrocarbons) to make itself evident by the tendency of the conduit to overheat adjacent the inlet end of the heating coil when processing very low boiling point stocks, and a point in advance of which vaporization has proceeded to an extent such that no further vaporization is required to prevent segregation (of high boiling hydrocarbons from low boiling hydrocarbons) from continuing to take place to an extent such that it will make itself evident by a continuing tendency of the conduit to overheat.

The relative rates of heat transfer at certain points, as stated in the count, are clear from the Mekler disclosure and are stated in an equivalent manner on page 7 of the Kaasa application.

We see no reason for construing the counts as to the features mentioned by the petitioner, who has not questioned Mekler's right to the counts as they are. Mekler does not describe the invention as the petitioner contends the counts should be construed, but refers to the prevention of the formation of coke in the tubes.

Kaasa filed a second petition for reconsideration with the Board, which also was denied with the statement:

Kaasa's renewed petition presents nothing that has not been heretofore considered by this Board. As to whether the counts define the invention of either party, this is an ex parte matter.

The brief on behalf of Kaasa before us is quite a voluminous one. It contains many repetitions of arguments—doubtless made for the purpose of emphasis—and goes in great detail into technical operations. To follow it step by step would render this opinion unduly and unnecessarily long, and we shall confine ourselves to such contentions as, in our opinion, after studying the entire record in the light of the briefs and oral arguments, are really vital to the decision of the case.

The primary issue relates to the Board's interpretation of the counts, the correctness of which is challenged by Kaasa. His brief says:

Kaasa acknowledges that the evidence submitted on his behalf fails to establish either conception or reduction to practice of the operation defined by the issue counts when they are construed as they appear to have been construed by the Board of Appeals. However, Kaasa urges that when the issue counts are properly construed they do find support in substance both in the Mekler application and in the Kaasa application in which they originated, and that when they are given this same proper construction the Kaasa evidence clearly and conclusively shows conception and reduction to practice by Kaasa as of a date long prior to the earliest date of conception to which the party Mekler is tntitled.

The Board's interpretation and our understanding of same has been given, supra. The brief on behalf of Kaasa says:

It will be noted that these claims [counts] do not exactly define either the beginning or the end of the zone to be shielded (or the zone in which the rate of heat input is to be reduced in some equivalent manner). For example the shielded zone may start with the initial heating tube even though vaporization might not begin until the oil reaches the second or third heating tube and even though the amount of vaporization might not become substantial until the oil reaches some subsequent tube. The first few heating tubes are not required to be shielded but they may be shielded. It is sufficient that the beginning of the shielded zone be "in advance of" that point at which substantial vaporization begins. "Substantial vaporization" as it is used in this connection, both in the claims and in the specification of the Kaasa application, means merely that amount of vaporization which will result in material segregation of high boiling tar and gum-forming constituents so that abnormal "overheating of the conduit" would occur in the absence of shields.

There is nothing in the disclosure of the Kaasa application to indicate whether the term "substantial vaporization" as used in this connection means any definite arbitrarily chosen percentage of vaporization, such for example as 1% of vaporization, 5% of vaporization, 10% of vaporization or some other amount of vaporization. The query arises how much vaporization can one have before "substantial vaporization" begins. Thus if the expression "substantial vaporization", where used in the counts here in issue to define the point in advance of which the shielding must begin, is not construed in the light of the Kaasa application in the manner above explained, then both of the issue counts become so ambiguous that they are practically meaningless. Further, they become exceedingly narrow. Certainly they do not define the *substance* of the invention disclosed in the Kaasa application unless they are construed in the light of the Kaasa application in the manner above explained.

In a similar manner the issue counts define the point *to which the shielding must extend* not in any *exact* terms but merely as that point "at which the phase change *substantially* ceases." Construed in the light of the Kaasa application in which the issue counts originated (or for that matter construed in the light of the Mekler application as hereinafter pointed out *post* 21–22), this means merely that the shielding must extend to *the point at which any oil that has not as yet been vaporized will be picked up and carried in the form of liquid particles uniformly dispersed in the vapor as a "fog or mist"*, so that there will no longer occur the segregation and deposit of high boiling hydrocarbons (tar and gum-forming constituents) which form the heat-insulating layer on the inner surface of the heating conduit that causes the outer metal temperatures to become abnormally high in the absence of shielding. Beyond this point there may be gradual further vaporization of the fog or mist-like particles of liquid, but such further vaporization is not accompanied by *segregation* of the high boiling hydrocarbons to such an extent that they will adhere to the inner surface of the heating tubes and thus cause abnormal overheating.

It is the claim of Kaasa that, when given the construction for which he so contends, certain activities carried out at a plant in Chicago, Ill.. with a still, referred to as a "612 still", in March, 1932, as shown by certain exhibits, constituted reduction to practice.

Even this contention is challenged by the party Mekler in the argument before us, and we entertain doubt, particularly in view of the discussion of the matter by the Examiner of Interferences (although his discussion was on the basis of a seemingly different interpretation), whether it could be sustained upon the record, but, however this may be, it is not necessary to adjudicate that issue.

We are of the opinion that the construction of the counts by the tribunals below was a normal and intelligent one in which the ordinary rules of construction were followed, the language used in the counts being given an interpretation in accordance with its common meaning when applied to the art involved. The interpretation is not regarded as being artificial or as being any narrower than the language requires.

In this view of the case and in view of Kaasa's concession, above quoted from his brief, other questions argued at length before us need not be determined.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE MOONEY

No. 3,996. Decided June 6, 1938

[97 F.(2d) 144]

1. NONANALOGOUS ART—PILES AND TOOLS.
   Wooden or concrete piles or hollow pipes or piles of metal to be driven into the ground *Held* to relate to an art remote from that of making tools.
2. APPEALS—PRACTICE—NEW GROUND OF REJECTION NOT CONSIDERED.
   "We are not at liberty to affirm the decision of the Board of Appeals upon the ground urged by the Solicitor, • • • for such ground of rejection was not relied upon either by the Examiner or the Board of Appeals."

3. PATENTABILITY—TOOL AND METHOD OF MAKING SAME.
   Certain claims for a tool and certain claims for a method of making same *Held* patentable.

APPEAL from Patent Office. Reversed.

Mr. Warren J. Willis (*Mr. Eugene L. Greenewald* of counsel) for Mooney.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Examiner rejecting, in view of the cited prior art, claims 1 to 4, inclusive, 10 to 14, inclusive, and claim 20 of appellant's application for patent. Certain claims were allowed.

Before us appellant has moved to dismiss the appeal as to claim 2, which motion will be granted.

Claims 1, 4, 10, and 11 are illustrative and read as follows:

1. A chisel, drill, punch, or the like comprising a solid metal bar having a metal portion that is adapted to be subjected to impacts, and a metal band extending around and permanently secured to said portion to substantially prevent mutilation and mushrooming of said portions by such impacts.

4. A tool having a hardened metal portion that is adapted to be subjected to impacts and a comparatively ductile metal band extending around and welded to said hardened portion, said hardened portion having a bare surface adapted to receive such impacts.

10. A method of making a tool having a metal part subject to impact which comprises welding a band of ductile metal to and around the periphery of such part adjacent to the surface which is subjected to impact.

11. A method of making a tool having a hardenable metal part subject to impact which comprises welding a band of ductile metal to and around the periphery of such part adjacent to the surface which is subjected to impact, and quenching such part immediately after such welding operation to harden said metal part.

The references cited are: Walton, 43,357, June 28, 1864; Thacher, 691,418, January 21, 1902; McClintock, 790,910, May 30, 1905; McLaughlin, 993,538, May 30, 1911.

The application relates to a tool and method of making the same. The tool has a shank with an impact receiving head and a point or blade. The impact receiving head has a protecting ring or band which is made of ductile metal welded to said head.

The patent to Walton relates to wooden piles used in constructing docks, etc. A metal ring is placed around the upper end of the pile to prevent its head from being broken by the ram.

The patent to Thacher relates to a composite pile, the upper portion consisting of concrete and the lower portion of wood. A metallic ring is placed around the concrete head of the pile to prevent the head from spreading when driven.

The patent to McClintock relates to a device for facilitating the driving of hollow piles or pipes, and discloses a hollow pipe having a strong iron band surrounding its upper head.

The patent to McLaughlin relates to a weldless pipe band and discloses a metal band adapted to be applied to the top of a wooden pile to prevent splitting of the head while the pile is being driven.

With respect to the grounds of rejection of the claims, the Examiner in his statement said:

The claims have been finally rejected on the ground that no inventive skill is required in permanently securing a metal band adjacent to and around the head of an

impact receiving member, whether it be a tool or any article, to prevent the head from mushrooming or splitting. This idea is an old and well known expedient, and the references are cited as showing this. McClintock places a reinforcing ferrule 2 about the impact receiving head of the pipe 1 which is to be driven into the ground. In Walton a metal ring B is placed around the head of the wood pile 1 to prevent the head from being broken by the ram. The metal ring *f* is placed around the head of the concrete pile *a* to prevent this portion from spreading. And in McLaughlin a band 1 is used to protect the head of a pile from splitting and shattering. In view of the teachings of these references it is held that no invention is required in permanently securing a metal band about the head of an impact tool to protect the same from mushrooming or splitting. Welding is a common method or way of securing two metals together, and recitation of a weld in claims 2, 4, 10, 11, 12, 13, and 20 is held to add nothing in a patentable sense to these claims. The limitation in claims 4, 10, and 20 of the band being made of ductile metal, adds nothing patentable since all metals are ductile to a certain extent. It is again repeated that these claims do not state the metal of the band is more ductile than the metal of the tool head. * * *

The Board of Appeals in its decision stated:

The nature of appellant's improvement has been so fully discussed in his brief that we shall not encumber the record with any repetition of this matter.

We are satisfied that he has made a worthy contribution to the art but we are of the view that the Examiner has granted him adequate protection.

Near the bottom of page 3 of the Examiner's statement he says:

"No one of these claims states, however, that the metal of the band is more ductile or softer than the metal of the tool body."

It is true that certain claims, such as claim 4, are almost limited in this manner, but not definitely so. Allowed claim 18 is one example of a claim clearly containing such a limitation. We believe that this is an essential feature of appellant's invention.

As to the broader claims, we are fully in accord with the Examiner that there is no invention, in view of the state of the art, in applying a ferrule, either ductile or otherwise, to prevent mushrooming where there is no specific limitation to materials peculiarly adapted to produce appellant's unusual result.

Claims 4 and 11 each contain the element of a tool having a hardened head. Claim 4, in addition, contains the element of a "comparatively ductile metal band extending around and welded to said hardened portion," and claim 11 contains the element of "welding a band of ductile metal" to such hardened head.

Giving the claims 4 and 11 a broad interpretation, we think they are clearly allowable. As we construe them, the metal band welded to the head of the tool is more ductile than such head. The Board of Appeals held that this limitation did not clearly appear in certain claims, such as claim 4, but we are of the opinion that the limitation that the metal band is of softer metal than the head portion of the tool fairly appears in claims 4 and 11.

With regard to the other claims, they may lack patentability, but, as we view it, they are not unpatentable upon the ground set forth by the Examiner and the Board of Appeals.

The Examiner held that, in view of the teachings of the references, no invention is involved in securing a metal band about the head of an impact tool "to protect the same from mushrooming or splitting." The Board of Appeals was of the same opinion.

[1] We do not think the references are important in determining the allowability of the claims. They all relate either to wooden or concrete piles or hollow pipes or piles of metal, to be driven into the ground. This is an art remote from that of making tools, and we do not think that it would occur to a skilled tool-maker, after examining the cited references, that the idea of the metal bands there disclosed could be utilized in the making of tools.

The Solicitor for the Patent Office argues with much force that, if the metal band referred to in the claims is not of softer metal than the head of the tool, no useful result is obtained by the use of such metal band. In his brief the Solicitor states:

However, as to the structure of the appealed claims which, as the Examiner and Board pointed out, are broad enough to include the use of practically any metal band on the head of the tool, it may be inquired what new and useful result is obtained if such band is harder than the head of the tool. In view of the facts set forth in appellant's specification, it is at once obvious that the head of such a tool is even more apt to chip because of the hard band than the tool would be without any such band at all. Therefore, the use of that kind of a band makes even a worse tool than the tool without the band. And yet the appealed claims are broad enough to cover such a band and appellant by presenting them is urging that there is invention therein.

Likewise, assume the case where the protecting band is made of the same material as the impact receiving head. Here again, in the light of appellant's teachings in his specification, there is no new and useful result over the same structure without any band.

The same considerations are applicable where the band and the tool head are of the same material even though the ring is welded to the head because a welded ring of the same material merely makes a tool head which would differ from the old tool head merely in being made in two pieces put together by welding instead of in a single piece.

Had the Board of Appeals assigned as a ground of rejection lack of utility of a metal band having the same degree of hardness as the head of the tool, over a tool simply having an enlarged head, we might be inclined to affirm such ground of rejection for the reasons stated by the Solicitor, but no such ground of rejection is before us. It was apparently assumed by the Patent Office tribunals that even a metal band having the same degree of hardness as the head of the tool would to some degree at least protect the head of the tool against mushrooming upon impact. All of the claims were rejected upon the ground that, in view of the cited prior art, no invention would be involved in welding a metal band to the head of a tool unless the band is of softer metal than the head.

[2] We are not at liberty to affirm the decision of the Board of Appeals upon the ground urged by the Solicitor, above quoted, for such ground of rejection was not relied upon either by the Examiner or the Board of Appeals. *In re Tucker and Reeves*, 19 C. C. P. A. (Patents) 810, 54 F.(2d) 815, 416 O. G. 286.

[3] Inasmuch as we do not think that the references prevent the allowance of the involved claims, for the reason hereinbefore stated, we must find upon the record before us that the decision of the Board should be reversed as to claims 1, 3, 10, 12, 13, 14, and 20, as well as claims 4 and 11. If a patent is issued to appellant, and if he can demonstrate that welding a metal band to the head of a tool (the band and head having the same degree of hardness) will prevent or minimize mushrooming of the head of the tool, the broad claims here involved may be held to involve invention.

Pursuant to the motion of appellant, the appeal as to claim 2 is dismissed; as to all of the other claims before us, the decision of the Board of Appeals is reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

IN RE MEYER

No. 3,999. Decided June 6, 1938

[96 F.(2d) 1005]

PATENTABILITY—COMPOSITIONS OF MATTER.

Certain claims for compositions of matter comprising chlorinated substances and ethylene oxide derivatives *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Messrs. Potter, Pierce & Scheffler (*Mr. Ralph E. Parker* and *Mr. Richard L. Scheffler* of counsel) for Meyer.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming that of the Primary Examiner which rejected claims 17, 18, and 23 of an application for a patent for compositions of matter comprising chlorinated substances and ethylene oxide derivatives.

Ten claims of the application were allowed by the Examiner.

Claim 23, upon which claims 17 and 18 depend, is illustrative, and reads as follows:

23. The composition of matter comprising a chlorine-containing aliphatic or cycloaliphatic compound containing more than eight carbon atoms and tending to split off hydrogen chloride, stabilized by the incorporation therewith of an ethylene oxide derivative having a boiling point of above about 30° C. in an amount sufficient to neutralize the hydrogen chloride split off from the chlorine-containing compound.

The claims were rejected on the following reference: Werntz, 1,988,529, January 22, 1935.

The application relates to the incorporation of any one of several ethylene oxide derivatives, among which is phenyl-ethylene oxide with a chlorine-containing aliphatic compound having more than eight carbon atoms, such as chlorinated rubber, waxes, train oils, resins, and other chlorinated substances, to produce a composition that is stable in that it does not change for a long period of time and in high temperatures.

Both tribunals of the Patent Office rejected the claims on appeal on the ground that they disclose a composition of matter which is anticipated by one of the products of the process of the reference.

The patent to Werntz relates to synthetic resins prepared by the polymerization of vinyl compounds and discloses that by controlling the acidity of the said compounds by the use, preferably, of ethylene oxide, or of its homologues and derivatives, such as styrene oxide, there is an improvement in color stability and durability in the resin produced by the process.

The appellant, in his specification, said that among the "Suitable ethyleneoxide derivatives are, for example, ethyleneoxide * * *." The Werntz patent likewise discloses the use of ethylene oxide. The Examiner held that since the appellant sets out ethylene oxide, as a derivative, which has a boiling point of 13.5° C., the boiling point of above 30° C. shown in the claims cannot be considered critical. Appellant contends that ethylene oxide, even though it is set out in his application as a derivative, cannot be considered as such, and that a claim which limits the boiling point of an ethylene derivative to above 30° C. cannot be held to read on ethylene oxide per se. With this contention we agree. However, the patent to Wernt discloses the use, not only of ethylene oxide per se, but also the use of ethylene homologues and derivatives, such as styrene oxide. The Examiner pointed out in his statement that styrene oxide is the same as phenyl oxide, which is one of the substances specifically mentioned in the application of appellant as a suitable ethylene oxide derivative. Since styrene oxide has a boiling point of 191° C., it seems evident that the Werntz patent meets the claims which describe a boiling point above 30° C.

Appellant also contends that while the resinous product of the patent process may be—

"a chlorine-containing aliphatic or cycloaliphatic compound containing more than eight carbon atoms and tending to split off hydrogen chloride,"

and thus answers the criteria of one component of the composition of matter defined in the appealed claims, the reference does not anticipate the claims since the starting material used in the process of the patent contains only two carbon atoms instead of eight. The rejected claims, however, are for composition of matter, and, as such, must be considered with respect to the materials that the claims set forth as being contained in the composition, and not otherwise. Since the two-element resinous product which is produced by the process of the reference appears to be the same as the two-element composition claimed in the rejected claims, we can see no error in the holding of the Board that the rejected claims are anticipated by the disclosure in the reference.

We do not think it is material as to when the ethylene oxide derivative is added to the chlorinated substance, because appellant is not seeking a patent on a process or method in the rejected claims.

A very informative affidavit was submitted by appellant, which clearly described the different results of tests made by the use of ethylene oxide with chlorinated substances and by the use of ethylene oxide derivatives with the same substances. There is nothing in the affidavit to indicate that the composition obtained by the use of the ethylene oxide derivative is not the same as that obtained in one of the products of the Werntz process patent, and, therefore, we hold that it is insufficient to overcome the reference.

For the reasons herein stated, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE CASSIDY

No. 4,065. Decided June 6, 1938

[97 F.(2d) 93]

PATENTABILITY—FLUORESCENT PETROLEUM LUBRICATING OIL.

Claims for a fluorescent petroleum lubricating oil *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. George A. Smith for Cassidy.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Primary Examiner which rejected all of the claims, 2 to 18, inclusive, 22, and 23, of an application for a patent on "a fluorescent petroleum lubricating oil."

Claims 2 and 23 are illustrative. They read:

2. A fluorescent petroleum lubricating oil comprising petroleum hydrocarbons containing a small proportion of a dimethyl coeroxene derivative.

23. A fluorescent petroleum lubricating oil comprising hydrocarbons containing an organic color compound of the coeroxene class which is soluble in, and adapted to impart fluorescence to, the petroleum hydrocarbons, said compound being present in the proportion of 30 grams to from 38,000 to 7,600,000 cc. of petroleum hydrocarbons.

The appealed claims relate to petroleum lubricating oil which, when viewed in reflected light, displays a color property called "fluorescence."

The following patents and publication are cited as prior art: Hanna et al., 1,566,000, December 15, 1925; Rial et al., 1,708,592, April 9, 1929; Black et al., 1,839,012, December 29, 1931; Miller, 1,869,608, August 2, 1932; Page 89 of Vol. 17 of Beilstein.

Both tribunals below held that invention is not involved in adding the coeroxene compound to lubricating oil in view of the references.

The Hanna et al. patent discloses a lubricating oil possessing a green fluorescence which comprises lubricating oil to which is added oil from the residuum of a cracking process.

The patent to Rial et al. shows a green fluorescence in lubricating oil obtained by adding coal-tar pitch to the oil.

The patent to Black et al. discloses the imparting of green fluorescence to lubricating oil by adding to it high boiling point distillates of coal-tar, water gas tar, or residuums of the same.

The patent to Miller shows the imparting of fluorescence to lubricating oil by adding thereto colored bodies washed from fuller's earth which has been used as a filter in refining oils.

Page 89 of volume 17 of Beilstein is a translation from the German language and deals with coeroxene ($C_{20}H_{12}O$) and discloses that the compound is—

"Insoluble in water, difficultly soluble in boiling ethyl alcohol and methyl alcohol, soluble in glacial acetic acid, slightly soluble in chloroform, benzene, ligroin (D., F.), very easily soluble in ether (R. M. S.). All solutions fluorescent strongly yellowish-green."

In the decision of the Board, the issue appears to be clearly summarized as follows:

It is pointed out in the specification that it is desirable in some cases to have a fluorescent characteristic in certain lubricating oils and also preferably a greenish shade. The prior art discloses that petroleum lubricating oils have been treated by incorporating in them substances giving these results. The situation presented is that the prior art on one hand, discloses petroleum lubricating oils thus modified by certain reagents generally some residual product from petroleum refining having the green tint and fluorescence in high degree. Such reagent may also be secured from coal tar and other products of the coke and gas industries. On the other hand, it is shown that the particular type of chemical compound selected by applicant for this purpose and defined in each claim is known in the general organic chemistry art as being a substance of yellowish green color and exhibiting fluorescence.

It is quite evident from the disclosures of the patent references that it is old to impart a green fluorescence to lubricating oil by the addition of organic compounds, so that the only question before us is whether or not, in view of the prior art, it involves invention to use a coeroxene compound in producing the property of green fluorescence when added to lubricating oil. The Examiner stated that—

The various specific coeroxene compounds claimed as imparting fluorescence to the petroleum hydrocarbons are individually old in Beilstein.

Apparently that statement is correct. The work of Beilstein, as cited, shows that coeroxene compounds have fluorescent properties and are soluble in hydrocarbons, not only in benzene, which is of the coal-tar family, but also in ligroin which is a distillate of petroleum.

It seems to us that since the Beilstein reference shows that the compounds of coeroxene possess a strongly yellowish-green fluorescent property, and are soluble in hydrocarbons, it would not involve invention for one skilled in the art of oil chemistry to substitute for the fluoreseing elements of the patent references a known coeroxene compound to accomplish the same desired result in petroleum lubricating oil. It would seem to be a most natural thing for an oil chemist to make this substitution if he so desired.

The case of *In re Weitzel et al.*, 17 C. C. P. A. (Patents) 1079, 39 F.(2d) 669, 400 O. G. 463, cited by the solicitor, appears to be apt in this connection. In that case we quoted with approval the language of the Board of Appeals, as follows:

And, where there is no real reason to suppose that the result would not be produced, there is no invention in trying it and finding out that the process is successful.

Appellant contends that the fluorescent property of coeroxene compounds does not appear in the index to the work of Beilstein, and that the indexed word or formula would give appellant no indication that it might be a satisfactory substance for his use. This contention is without merit, because the fact is that Beilstein definitely shows the said property in his work, and it is an effective disclosure whether or not it is set forth in the index.

Exhibits of the product produced in accordance with a formula disclosed in the work of Beilstein and that produced by the disclosure of appellant were submitted by appellant, together with supporting affidavits. The product of the former is dark brown in color, and that of appellant a much lighter brown. They are both labeled "6:12 Dimethyl Coeroxenol Acetate." According to their labels they are the same substance. They are both soluble in benzene as the exhibits show. They both produce a green fluorescence in lubricating oil, although the oil to which appellant's coeroxenol is added appears to be greener than that to which is added the coeroxenol of Beilstein. In any event they each impart to lubricating oil a greenish fluorescence and we cannot see that the brighter green of the one indicates invention over the fainter green of the other.

It may be quite true, as said by appellant, that in the patent references the material added to the lubricating oil may have objectionable properties and that his disclosure shows a true dye from which those properties are absent. However, there is no invention claimed in any of the appealed claims of a method of preparing coeroxene compounds so as to avoid the objectionable features aforesaid, so that their absence in appellant's disclosure must be considered an incidental result as held by the Board.

The prior art appears to disclose that by the addition of certain compounds to lubricating oils a greenish fluorescence is imparted when it is desired to obtain such a color, and, in our opinion, it does not require invention to substitute for any of the said compounds previously used a different compound which was known to the prior art for the purpose of imparting a yellowish-green fluorescence.

This case involves intricate and highly technical chemical questions, and since it does not appear that the concurring decisions of the tribunals below are manifestly wrong they will not be disturbed. *In re Weitzel et al.*, supra.

The decision of the Board of Appeals is affirmed. Affirmed.

Patent Suits

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Des. 103,191, S. Dick, Ensemble dress, D. C., S. D. N. Y., Doc. E 85/59, *Elvira Dress Co., Inc.*, v. *Kalika-Weill, Inc.* Dismissed (notice Oct. 28, 1938).

Des. 110,060, Des. 111,481, M. Sobelman, Dress, filed Oct. 27, 1938, D. C., S. D. N. Y., Doc. 1/129, *Mary Muffet, Inc.*, v. *Loma Dress Co., Inc., et al.*

Des. 110,845, S. Etkin, Fur jacket, filed Oct. 25, 1938 D. C., S. D. N. Y., Doc. 1/203, *Etkin-Banner Co., Inc.*, v. *M. W. Haft & Bros., Inc.*

Des. 111,481. (See Des. 110,060.)

Des. 111,646, A. Ruchman, Dress, filed Oct. 31, 1938, D. C., S. D. N. Y., Doc. 1/256, *Apex Dress Co., Inc.*, v. *Bernice Dress Co., Inc.*

Changes in Classification

Order No. 3,449, November 22, 1938, directs:

In *class 20, Wooden Buildings* (Division 33), abolish the following subclass with its definition:

Buildings
1.01 Bank protective type.

The patents formerly contained in this subclass have been placed for the most part in class 109, Safes, Bank Protection and Related Devices, subclass 2 and indented subclasses, established in this order.

In *class 70, Locks* (Division 20), abolish the following subclass with its definition:

Operating mechanism
Combination
Tampering prevention or attack defeating
335 Positively dogged.

The patents formerly contained in this subclass have been placed for the most part in class 70, Locks, subclasses 1.5 and 1.7, established in this order.

In *class 70, Locks* (Division 20), establish the following subclasses and definitions:

1.5 Attack actuated defeating mechanisms
1.7 With reset mechanisms.

1.5. Devices applied to locks, or locked structures, which upon attack by an unauthorized force impose one or more additional impediments to the operation of the lock, or the device or devices controlled by the lock.

(1) Note.—Devices for preventing picking of locks may be found in this class, subclass 419 and indented subclasses.

(2) Note.—Devices which prevent or defeat attack and which are not actuated by the attack may be found in this class, subclasses 333 and 416 and their indented subclasses.

(3) Note.—Continue this search in class 109, SAFES, BANK PROTECTION AND RELATED DEVICES, subclass 30.

1.7. Devices under subclass 1.5 wherein there is provided an additional positively actuated mechanism to release the impediment to allow authorized actuation of the lock. The mechanism is either a delayed actuating mechanism or has an operator which is under the control of an authorized person.

Note.—Complete the search in this class, subclass 1.5.

The patents contained in these subclasses have been taken for the most part from class 70, Locks, subclass 335, abolished in this order, and subclasses 333 and 416 and indented subclasses; and from class 109, Safes, abolished in this order.

In *class 177, Electric Signaling* (Division 42), abolish the following subclass:

Alarms
316 Safe.

The patents formerly contained in this subclass have been placed for the most part in class 109, Safes, Bank Protection and Related Devices, subclasses 31, and 38 and indented subclasses, established in this order.

In *class 312, Supports, Cabinet Structures* (Division 8), change the title of subclass 20 to read:

20 Picture machine or film type;

abolish the existing subclass definition and establish in lieu thereof the following:

20. Cabinet structures designed to house picture machines or films or other highly inflammable material.

Note.—Fire resistant safes will be found in the appropriate subclasses of class 109, SAFES, BANK PROTECTION AND RELATED DEVICES.

In *class 9, Boats and Buoys* (Division 22), subclass 10, number the existing note (*2*) and add:

(1) Note.—For similar devices wherein safes are movable into and out of protective shells, see class 109, SAFES, BANK PROTECTION AND RELATED DEVICES, subclass 47.

In *class 16, Miscellaneous Hardware* (Division 20), subclass 179, add the following note:

Note.—Hinges of this character combined with devices commonly known as pressure mechanism may be found in class 109, SAFES, BANK PROTECTION AND RELATED DEVICES, subclass 62.

In *class 20, Wooden Buildings* (Division 33), in the main class definition, number the existing note (*1*) and add:

(2) Note.—Elemental structures, e. g., walls, closures, etc., of devices commonly known as safes and vaults, will be found in class 109, SAFES, BANK PROTECTION AND RELATED DEVICES, subclass 58 and indented subclasses.

(3) Note.—Buildings combined with bank protection and related devices will be found in class 109, SAFES, BANK PROTECTION AND RELATED DEVICES, subclass 2 and indented subclasses;

and in subclass 40.4, number the existing note (*1*) and add:

(2) Note.—Display windows combined with means for protection against attack will be found in class 109, SAFES, BANK PROTECTION AND RELATED DEVICES, subclass 10 and indented subclasses.

In *class 22, Metal Founding* (Division 3), subclass 219, in note (2) add:

109—SAFES, BANK PROTECTION AND RELATED DEVICES, subclass 85.

In *class 43, Fishing, Trapping and Vermin Destroying* (Division 2), subclass 59, in note (4) cancel the reference to class 109, Safes, and substitute therefor the following:

109—SAFES, BANK PROTECTION AND RELATED DEVICES, subclass 3 and indented subclasses, where the trap is manually actuated to release position by an outside intelligence; and subclass 47 for devices wherein the safe itself is removed from the immediate position upon attack by an outside source.

In *class 70, Locks* (Division 20), in the main class definition number the existing note (*3*) and add the following notes:

(1) Note.—Locks for special application to safes, bank protection and related devices which are not considered to be of general application will be found in class 109, SAFES, BANK PROTECTION AND RELATED DEVICES, subclass 59 and indented subclasses.

(2) Note.—Devices for safes and vaults commonly known as pressure mechanisms (such mechanism operating to cam the closure tight in its jamb and usually serving to crack the door to an ajar position) in combination with lock mechanism will be found in class 109, SAFES, BANK PROTECTION AND RELATED DEVICES, subclass 61;

in subclass 77 number the existing note (*1*) and add:

(2) Note.—Locks for special application to safes, bank protection and related devices not considered of general application will be found in class 109, SAFES, BANK PROTECTION AND RELATED DEVICES, subclass 59 and indented subclasses;

in subclass 82 cancel note (2) and renumber note (3) as (*2*); in subclass 93 add the following note:

(4) Note.—Devices to lock the door ajar will also be found in class 109, SAFES, BANK PROTECTION AND RELATED DEVICES, subclass 60;

in subclasses 112, 113, and 118 cancel the notes following the definitions thereof; in subclass 333 cancel the existing definition and notes and substitute therefor the following:

333. Mechanisms specifically designed to prevent tampering with the operating mechanism of a combination lock or any static means designed to prevent an attack by an unauthorized force or by destructive heat.

(1) Note.—Devices which upon attack by an unauthorized force impose an additional impediment to the operation of a lock will be found in this class, subclasses 1.5 and 1.7.

(2) Note.—This subclass includes any static armour construction for combination locks which is designed to prevent transmission of unauthorized force upon the exterior of the lock to disable the lock.

(3) Note.—Similar devices intended for association with key locks may be found in this class, subclasses 416–422;

and in subclass 416 cancel the existing definition and note and substitute therefor the following:

416. Mechanisms specifically designed to prevent tampering with the operating mechanism of a key lock or any static means designed to prevent an attack by an unauthorized force or by destructive heat.

(1) Note.—Devices which upon attack by an unauthorized force impose an additional impediment to the operation of a lock will be found in this class, subclasses 1.5 and 1.7.

(2) Note.—This subclass includes any static armour construction for key locks which is designed to prevent transmission of unauthorized force upon the exterior of the lock to disable the lock.

(3) Note.—Similar devices intended for association with combination locks may be found in this class, subclasses 333 and 334.

In *class 72, Masonry and Concrete Structures* (Division 33), in the main class definition, number the existing note (*2*) and add:

(1) Note.—Elemental structures, e. g., walls, closures, etc., of devices commonly known as safes and vaults, will be found in class 109, SAFES, BANK PROTECTION AND RELATED DEVICES, subclass 58 and indented subclasses.

In *class 85, Driven, Headed and Screw Threaded Fastenings* (Division 57), subclass 47, add the following note:

Search classes—
89—ORDNANCE, subclass 20.
109—SAFES, BANK PROTECTION AND RELATED DEVICES, subclass 72.
285—PIPE JOINTS OR COUPLINGS, subclass 149.

In *class 88, Optics* (Division 7), subclass 68, add the following note:

(3) Note.—For similar devices combined with safety transaction and display partitions, see class 109, SAFES, BANK PROTECTION AND RELATED DEVICES, subclasses 12 and 13;

and in subclass 92 add the following note:

(8) Note.—For similar devices combined with safety transaction and display partitions, see class 109, SAFES, BANK PROTECTION AND RELATED DEVICES, subclasses 12 and 13.

In *class 89, Ordnance* (Division 22), subclass 20, add the following note:

Search classes—
85—DRIVEN, HEADED AND SCREW THREADED FASTENINGS, subclass 47.
109—SAFES, BANK PROTECTION AND RELATED DEVICES, subclass 72.
285—PIPE JOINTS OR COUPLINGS, subclass 149;

and in subclass 36 number the existing note (*2*) and add:

(1) Note.—Devices comprising booths and enclosures for the protection of armed guards and other personnel of a protected institution, from which they may repel an attack and sometimes send an alarm, are in class 109, SAFES, BANK PROTECTION AND RELATED DEVICES, subclass 9.

In *class 98, Ventilation* (Division 49), in the main class definition, in note (7) cancel the reference to class 109, Safes.

In *class 114, Ships* (Division 22), in the note following the definitions of subclasses 117 and 174 change the reference to class 109, Safes, to read:

109—SAFES, BANK PROTECTION AND RELATED DEVICES, subclass 58 and indented subclasses.

In *class 116, Signals and Indicators* (Division 35), in the main class definition in the fifth paragraph after "84, Music" insert:

109, SAFES, BANK PROTECTION AND RELATED DEVICES, subclasses 21, 31 and 38 and indented subclasses.

In *class 154, Laminated Fabric and Analogous Manufactures* (Division 56), subclass 44, in note (2) change the reference to class 109, Safes, to read:

109—SAFES, BANK PROTECTION AND RELATED DEVICES, subclass 58 and indented subclasses, especially subclass 82 and indented subclasses and 86.

In *class 189, Metallic Building Structures* (Division 33), in the main class definition, in the second paragraph add in the appropriate place:

metallic safe or vault structures in class 109, SAFES, BANK PROTECTION AND RELATED DEVICES;

in subclass 7 in note (3) cancel the reference to class 109, Safes; in subclass 9 in note (2) cancel the reference to class 20, Wooden Buildings, and class 109, Safes, and substitute:

109—SAFES, BANK PROTECTION AND RELATED DEVICES, subclasses 20, 38 and 58 and their indented subclasses;

in the reference to class 177, Electric Signaling, cancel subclass 316; in subclass 10 in note (2) cancel the reference to class 109, Safes; in subclass 36 in note (3) add:

109—SAFES, BANK PROTECTION AND RELATED DEVICES, subclass 79;

and in subclass 84 in note (2) cancel the reference to class 109, Safes.

In *class 220, Metallic Receptacles* (Division 40), in the main class definition add the following note:

(14) Note.—For safe and vault structures and related devices, see class 109, SAFES, BANK PROTECTION AND RELATED DEVICES;

and in subclass 9 add the following note:

(5) Note.—Similar walls for safes and vaults will be found in class 109, SAFES, BANK PROTECTION AND RELATED DEVICES, subclass 84.

In *class 232, Deposit and Collection Receptacles* (Division 41), designate the second paragraph of the main class definition as (*1*) *Note.*, and add:

(2) Note.—Deposit and collection safes will be found in class 109, SAFES, BANK PROTECTION AND RELATED DEVICES, in the appropriate subclasses;

and in the definition of subclass 44 add the following note:

Note.—Complete this search in class 109, SAFES, BANK PROTECTION AND RELATED DEVICES, subclass 66.

In *class 248, Supports* (Division 52), in the main class definition add the following note:

(29.5) Note.—For supports for safes, vaults, etc., see class 109, SAFES, BANK PROTECTION AND RELATED DEVICES, subclass 50 and indented subclasses, and the notes appurtenant thereto;

and in subclass 203 add the following note:

(4) Note.—For means for preventing unauthorized separation of a safe or vault from its support, see class 109, SAFES, BANK PROTECTION AND RELATED DEVICES, subclasses 51 and 52.

In *class 256, Fences* (Division 1), subclass 10, add the following note:

Note.—Safes, etc., with an electrically charged surface will be found in class 109, SAFES, BANK PROTECTION AND RELATED DEVICES, subclass 35.

In *class 268, Closure Operators* (Division 1), in the main class definition, in note (1) in the reference to class 20, Wooden Buildings, cancel subclass 1.01, and after the reference to class 105, add:

class 109, SAFES, BANK PROTECTION AND RELATED DEVICES, subclasses 2 and 58 and their indented subclasses;

and in subclass 2, in the note cancel the reference to class 20, Wooden Buildings, and following the reference to class 43, add:

class 109, SAFES, BANK PROTECTION AND RELATED DEVICES, subclasses 2 and 58 and their indented subclasses, for bank protective devices including more than the mere closure operator.

In *class 285, Pipe Joints or Couplings* (Division 52), subclass 149, in note (2) change the reference to class 109, Safes, to read:

109—SAFES, BANK PROTECTION AND RELATED DEVICES, subclass 72.

In *class 292, Closure Fasteners* (Division 20), in the main class definition number the existing note (*1*) and add:

(2) Note.—Devices for safes and vaults commonly known as pressure mechanisms, the function of which is to cam the door tight in its jamb, and which usually serve to crack the door to an ajar position will be found in class 109, SAFES, BANK PROTECTION AND RELATED DEVICES, subclasses 62 and 63.

In *class 312, Supports, Cabinet Structures* (Division 8), in the main class definition number the existing note (*2*) and add:

(1) Note.—For safe and vault structures and related devices, see class 109, SAFES, BANK PROTECTION AND RELATED DEVICES;

and in subclass 140.1 add the following note:

Note.—Counters provided with means for protection against attack will be found in class 109, SAFES, BANK PROTECTION AND RELATED DEVICES, subclass 10 and indented subclasses.

In *class 109, Safes* (Division 20), change the title of the class to read *Safes, Bank Protection and Related Devices*, abolish the existing subclass titles and establish in lieu thereof the subclasses contained in the new loose leaves now being printed for insertion in the Manual of Classification, and definitions which will appear in Bulletin No. 75.

(Note. Copies of the lists and definitions may be seen in the Search-Room and in the Classification Division pending publication.)

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 13, 1938

[VOL. 497. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 400,161. GOTTESMAN AND COMPANY, INCORPORATED, New York, N. Y. Filed Nov. 26, 1937.

CYGNET



For Wood Pulp.
Claims use since Oct. 8, 1935.

Ser. No. 404,767. MONARCH LEATHER COMPANY, Chicago, Ill. Filed Apr. 1, 1938.

JUPITER SIDES

Applicant disclaims the word "Sides" apart from the mark shown.
For Leather.
Claims use since Dec. 2, 1937.

Ser. No. 410,611. ROCK ISLAND FUEL COMPANY, Rock Island, Ill. Filed Sept. 15, 1938.

STOKER
CHIPS

For Coal.
Claims use since Jan. 5, 1938.

Ser. No. 411,623. TOXAWAY TANNING COMPANY, New York, N. Y. Filed Oct. 14, 1938.

SAPPHIRE OAK

Applicant disclaims the word "Oak" apart from the mark.
For Leather.
Claims use since 1914.

CLASS 2

Receptacles

Ser. No. 411,207. BEMIS BRO. BAG CO., St. Louis, Mo. Filed Oct. 3, 1938.

DELTAGRIP

For Paper Bags.
Claims use since Sept. 28, 1938.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 400,706. STRAND LEATHER GOODS CO., INC., New York, N. Y. Filed Dec. 10, 1937.

DIANA

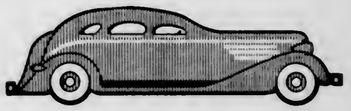
For Ladies' Handbags.
Claims use since Dec. 3, 1937.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 401,566. THE B. F. GOODRICH COMPANY, Akron, Ohio, and New York, N. Y. Filed Jan. 5, 1938.

RED AUTO



The drawing is lined for red.
For Top Dressing, Metal Polish, Upholstery Fabric Cleaner Comprising a Liquid Solvent, Soaps, Including Oil Soap Both in Liquid and Bar Form, and Valve Grinding Compound.
Claims use since May 1, 1937.

Ser. No. 403,091. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed Feb. 16, 1938.

it's O.K.

The drawing is lined for the color red, a material feature of the mark.
For Washing Powder.
Claims use since Mar. 10, 1935.

Ser. No. 411,072. ACME CHEMICAL COMPANY, Milwaukee, Wis. Filed Sept. 29, 1938.

PINO-KLEEN

The word "Kleen" is disclaimed apart from the mark.
For Powdered Cleanser for General Household Use as a Cleanser, Having Incidental Properties as a Deodorizer or a Sterilizer.
Claims use since May 14, 1929.

Ser. No. 411,337. L. B. KANG, Los Angeles, Calif. Filed Oct. 6, 1938.

LIN-BRITE

For Liquid Cleaner Compound for Cleaning Painted Walls, Woodwork, Linoleum, Washable Wall Paper, Rugs, Upholstery, and the Like, and Glass Cleaner.
Claims use since July 9, 1938.

CLASS 5

Adhesives

Ser. No. 411,786. I. F. LAUCKS, INC., Seattle, Wash. Filed Oct. 19, 1938.

PHENOGLU

For Glue.
Claims use since Oct. 7, 1938.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 401,799. PENDRAGON, NOT INCORPORATED, Chicago, Ill. Filed Jan. 10, 1938.

Pendragon

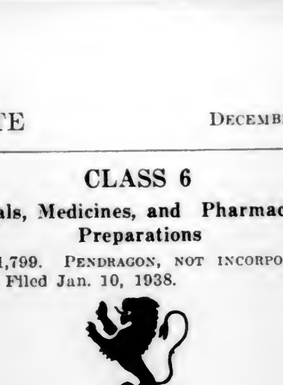
For Cold Cream.
Claims use since Nov. 22, 1937.

Ser. No. 405,845. CHARLES F. HAAS, doing business as Midwest Laboratories, Cleveland, Ohio. Filed Apr. 29, 1938.

A-C-GEL

Applicant disclaims the word "Gel".
For Jell Used for Feminine Hygiene.
Claims use since Sept. 12, 1932.

Ser. No. 406,632. THE COLUMBIA ALKALI CORPORATION, Barberton, Ohio. Filed May 23, 1938.



Applicant disclaims the word "Columbia" apart from the mark and the representation of a container per se. The drawing is lined for red and blue.
For Sodium Bicarbonate, U. S. P., Used to Neutralize Acidity.
Claims use since Apr. 26, 1938.

Ser. No. 408,185. GEORGE W. BEEMAN, doing business as Beeman & Company, Detroit, Mich. Filed July 5, 1938.

TAN-PADS

No claim is made to the word "Pads" apart from the mark.
For Oily Preparation To Be Applied to the Skin to Prevent Sunburn and Aid an Even Tan.
Claims use since May 21, 1938.

Ser. No. 409,995. LOIS FINLEY, doing business as Can Do Company, Kansas City, Mo. Filed Aug. 26, 1938.



The term "1001 Services and Pharmaceuticals" is disclaimed apart from the mark. The Japanese characters mean "Can Do".
For Nasal Jelly.
Claims use since June 15, 1938.

Ser. No. 410,427. ELLENTEE LIMITED, London, England. Filed Sept. 10, 1938.



For Medicated Preparations for Human Use in the Treatment and Development of the Chest and as a Tonic.
Claims use since Sept. 27, 1935.

Ser. No. 410,991. GOLDSMITH BROS., New York, N. Y. Filed Sept. 26, 1938.

GOLDEX

For Tooth Paste, Tooth Powder, Styptic Pencils, Menthol Inhalant, Paradichlorobenzene, Shampoo, Toilet Water, After-shave Lotion, Bay Rum, and Hair Tonic.
Claims use on tooth paste since Nov. 25, 1936; on tooth powder since Feb. 1, 1938; on styptic pencils since July 30, 1937; on menthol inhalant since Oct. 31, 1937; on paradichlorobenzene since Apr. 1, 1937; on shampoo since Aug. 24, 1938; on toilet water and on after-shave lotion since Aug. 19, 1938; and on bay rum and on hair tonic since Aug. 2, 1938.

Ser. No. 411,029. HOCKWALD CHEMICAL COMPANY, San Francisco, Calif. Filed Sept. 27, 1938.

Toilex

For Sanitary Cleanser for Toilet Bowls.
Claims use since Aug. 30, 1935.

Ser. No. 411,054. E. F. HOUGHTON & Co., Philadelphia, Pa. Filed Sept. 28, 1938.

NOILCOTE

For Oil and Grease Resistant Compound for Paper.
Claims use since Sept. 16, 1938.

Ser. No. 411,068. RUTH A. FLETCHER, doing business as Maison Adèle, Watertown, Mass. Filed Sept. 28, 1938.

SHAMÉE

For Liquid Adherent To Be Applied to the Face.
Claims use since July 2, 1938.

Ser. No. 411,102. ROCHESTER GERMICIDE COMPANY, Rochester, N. Y. Filed Sept. 29, 1938.

SANOR

For Liquid Disinfectants and Deodorants.
Claims use since Aug. 1, 1938.

Ser. No. 411,134. PARKER RUST PROOF COMPANY, Detroit, Mich. Filed Sept. 30, 1938.

PARCOLITE

For Chemicals for Use in Obtaining on Metallic Surfaces Corrosion-Resistant Paint-Holding Coatings.
Claims use since Sept. 21, 1938.

Ser. No. 411,149. BEAUTALURE, INC., Wilmington, Del. Filed Oct. 1, 1938.

Beutalure

For Hair Tonic.
Claims use since June 10, 1938.

Ser. No. 411,163. W. E. HAUSHEER, doing business as The Tecor Co., Chicago, Ill. Filed Oct. 1, 1938.

Uni-Pads

For Pads Impregnated with a Cleansing Preparation.
Claims use since Sept. 1, 1938.

Ser. No. 411,179. OXFORD PRODUCTS COMPANY, Beverly Hills, Calif. Filed Oct. 1, 1938.

William Mortensen

GAMMA 'D'

The signature is that of William Mortensen, photographer.
For Photographic Film Developing, Fixing and Hardening Solutions.
Claims use since June 22, 1938.

Ser. No. 411,233. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Oct. 3, 1938.

PHOSPHOTEX

For Phosphate Compositions Characterized by Their Emulsifying, Dispersing, Deflocculating, Water Softening, and, Either Alone or in Combination with Soap, by Their Detergent Properties.
Claims use since Sept. 7, 1938.

Ser. No. 411,260. DEWOODY MANUFACTURING COMPANY, Pine Bluff, Ark. Filed Oct. 3, 1938.

NUL-A-BURN

For Ointment—Namely, for Cuts and Burns, Scalds, and Surface Wounds.
Claims use since October, 1920.

Ser. No. 411,349. VITA SELTZER CO., San Francisco, Calif. Filed Oct. 6, 1938.

VITA-SELTZER

The word "Seltzer" is disclaimed apart from the mark.
For Effervescent Preparation in Tablet or Powder Form for Upset Stomach, Headaches, and Similar Ailments.
Claims use since June 24, 1938.

Ser. No. 411,585. TRESS ROLL CORPORATION, New York, N. Y. Filed Oct. 13, 1938.

Curlac

For Hair Curling Fluid.
Claims use since Sept. 9, 1938.

Ser. No. 411,648. LEONARD MUSIC, New York, N. Y. Filed Oct. 15, 1938.

Dainty Dabs

For Astringents, Astringent Cerates, Beauty Creams, Bleach Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid and Solid Forms, Eyebrow and Eyelash Grower, Eye Drops, Eye Lotions, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Styptic Pencils, Pomades, Face Powders, Body Powders, Sachets, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Bath Oils, Bath Powders, Bath Crystals, Smelling Salts, Lipsticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Creams, Nail Powders, Nail Bleaches, Nail Polishes, Nail Polish Removers, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.
Claims use since Oct. 12, 1938.

Ser. No. 411,809. CARDINAL PARFUMS, INC., New York, N. Y. Filed Oct. 20, 1938.

MOON MAGIC

For Toilet Water, Perfumes, and Cologne.
Claims use since July 21, 1938.

Ser. No. 411,831. JOSEPH GELMAN, Pittsburgh, Pa. Filed Oct. 20, 1938.

BIMI

For Hair Ointment and Hair Reconditioner.
Claims use since June 6, 1938.

Ser. No. 411,833. CELESTE L. HUNTER, doing business as C. L. Hunter, Marrero, La. Filed Oct. 20, 1938.



ETSELEC

The portrait is that of applicant.
For Skin Tonics.
Claims use since Oct. 11, 1938.

Ser. No. 411,851. VINCENT B. BARTOS, doing business as Barton Chemical Co., Chicago, Ill. Filed Oct. 21, 1938.

SAVADAY

For Liquid Solution for Bleaching, Deodorizing, and Disinfecting Clothes and for Other Household Cleaning Uses, Also Sterilizing Drinking Receptacles.
Claims use since Apr. 7, 1937.

Ser. No. 411,899. ROCHE-ORGANON, INC., Nutley, N. J. Filed Oct. 21, 1938.

MENFORMON

For Medical Preparation Containing Estrogenic Substance or Physiologically Standardized Follicular Hormone, Indicated for Use in the Treatment of Ovarian Deficiency, Infantilism, Frigidity, Sterility, Amenorrhea, Hypomenorrhea, Dysmenorrhea, Postpartum Leucorrhea, Disturbances Accompanying and Following the Climacteric, or Due to Artificially Induced Menopause, Nausea and Vomiting of Pregnancy, Hyperemesis Gravidarum, Persistent and Excessive Lactation After Premature Births, Abortions, or Weaning, Weight Loss in Premature Infants, and Gonococcal Vulvovaginitis, Mastopathia, Migraine or Cyclic Headache, Retinitis Pigmentosa, and Peripheral Vascular Disease, and Allied Disorders.
Claims use since July 1, 1926.

Ser. No. 412,083. COTY, INC., New York, N. Y. Filed Oct. 27, 1938.

CLOISTER

For Rouge Compacts, Powder Compacts, Lipsticks, Face Powder, Dusting Powder.
Claims use since Oct. 24, 1938.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 405,011. CASCO PRODUCTS CORPORATION, Bridgeport, Conn. Filed Apr. 8, 1938.



Casco

For Cigarette Holders.
Claims use since Mar. 7, 1938.

CLASS 10

Fertilizers

Ser. No. 408,867. WELLESLEY HOLDINGS LIMITED, London, England. Filed July 23, 1938.

GUANICO

For Guano Fertilizer.
Claims use since July, 1937.

Ser. No. 408,869. WELLESLEY HOLDINGS LIMITED, London, England. Filed July 23, 1938.

HYGANIC

For Fertilizer.
Claims use since October, 1937.

CLASS 11

Inks and Inking Materials

Ser. No. 411,492. FISHER SCIENTIFIC COMPANY, Pittsburgh, Pa. Filed Oct. 11, 1938.

VITRINK

For Ink Used in Writing on Glass and Other Non-Absorptive Surfaces.
Claims use since Oct. 3, 1938.

CLASS 12

Construction Materials

Ser. No. 406,405. UNITED STATES MINERAL WOOL COMPANY, Chicago, Ill. Filed May 16, 1938.

MISS MINNIE WOOL



The word "Wool" is disclaimed.
For Thermal Insulating Material.
Claims use since Apr. 23, 1938.

Ser. No. 407,416. THE BARRETT COMPANY, New York, N. Y. Filed June 13, 1938.

SHAD-O BAND

For Bitumen Impregnated Fibrous Base Shingles.
Claims use since June 17, 1937.

Ser. No. 410,524. WESTERN PINE ASSOCIATION, Portland, Oreg. Filed Sept. 13, 1938. Under act of Feb. 20, 1905, as amended June 10, 1938.

IWP

For Lumber, Millwork, and Lath.
Claims use since Aug. 1, 1926.

Ser. No. 410,525. WESTERN PINE ASSOCIATION, Portland, Oreg. Filed Sept. 13, 1938. Under act of Feb. 20,



1905, as amended June 10, 1938.
For Lumber, Millwork, and Lath.
Claims use since Dec. 20, 1924.

Ser. No. 410,565. VOLCANIC PRODUCTS CORPORATION, Chicago, Ill. Filed Sept. 14, 1938.

VOLCOLITE

For Loosely Ground or Sized, or Both, Volcanic Material and Volcanic Scoria for Filling Hollow Walls, Floors, and Ceilings for Heat, Cold, and Sound Proofing or Insulating Purposes, and for a Filler for Concrete or Precast or Poured Structural Building Units.
Claims use since Aug. 19, 1935.

Ser. No. 410,754. SMOOTH-ON MANUFACTURING COMPANY, Jersey City, N. J. Filed Sept. 19, 1938.

SMOOTH-ON

For Hydraulic Iron Cement in Powder or Paste Form, Used for Waterproofing Concrete, Brick, Stone, or Other Porous Surfaces.
Claims use since 1912.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 391,833. The GEO. WORTHINGTON COMPANY, Cleveland, Ohio. Filed Apr. 24, 1937.

TRAIL BLAZER

For Metal Faucets, Metal Valves, Valve Washers, Boiler Fittings, Toilet Tank Fittings, Toilet Tank Balls and Floats, Basin Stoppers, Door Knobs, Door Hinges, Metal Brackets, Metal Pipe, Brass Pipe Fittings, Copper Pipe Fittings.
Claims use since Sept. 1, 1936.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 410,570. L. A. COHN & BRO., INC., Chicago, Ill. Filed Sept. 12, 1938.

LACONITE

For Hi Lead Plastic Bronze Consisting Principally of Varying Proportions of Lead and Copper and Used Principally in the Manufacture of Bearings, Bushings, and Other Articles That are Required to Withstand Great Friction and Heavy Loads.
Claims use since Sept. 1, 1938.

Ser. No. 411,762. AMERICAN MUREX CORPORATION, New York, N. Y. Filed Oct. 19, 1938.

MOLEX

For Metallic Welding Electrodes.
Claims use since Dec. 29, 1937.

CLASS 15

Oils and Greases

Ser. No. 370,119. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla. Filed Oct. 7, 1935.

POLY

For Refined, Semi-Refined, and Unrefined Oils and Greases Made from Petroleum, Both with and without Admixture of Animal, Vegetable, or Mineral Substances, for Illuminating, Burning, Power, Fuel, and Lubricating Purposes.
Claims use since Sept. 27, 1935.

CLASS 16

Paints and Painters' Materials

Ser. No. 398,713. DESSIEDESS PAINT CO. INC., New York, N. Y. Filed Oct. 20, 1937.

WHITE ROSE

For Ready Mixed Paints for Walls.
Claims use since January, 1933.

Ser. No. 408,390. ARTHUR CLAY LEACH, doing business as Biff Manufacturing Company, Pueblo, Colo. Filed July 11, 1938.



For Liquid Wax for Floors, Dry Polish for Furniture, Woodwork, and the Like.
Claims use since Oct. 1, 1926.

Ser. No. 411,280. NUODEX PRODUCTS CO., INC., Elizabeth, N. J. Filed Oct. 4, 1938.

NUACT

For Drier Preservatives for Driers for Paste and Ready Mixed Paints, Varnishes, and Paint Enamels.
Claims use since May 9, 1938.

Ser. No. 411,282. NUODEX PRODUCTS CO., INC., Elizabeth, N. J. Filed Oct. 4, 1938.



No claim is made for the words "Manganese", "Lead", or "Cobalt" apart from the mark.
For Driers for Paste and Ready Mixed Paints, Varnishes, and Paint Enamels, Drier Preservatives for Driers for Paste and Ready Mixed Paints, Varnishes and Paint Enamels, Wetting and Dispersing Agents for Pigmented Coating Materials, Bodying Agents for Paste and Ready Mixed Paints, Varnishes, Paint Enamels and Lacquers, and Grinding Agents for Pigments for Paste and Ready Mixed Paints, Enamels, and Lacquers.
Claims use since June, 1937.

Ser. No. 411,535. THE LOWE BROTHERS COMPANY, Dayton, Ohio. Filed Oct. 12, 1938.

PLAX

For Paints (Ready Mixed, Paste Form, and Dry), Paint Enamels, Varnishes, Lacquers, Stains, Undercoaters, Thinners for Paints, Thinners for Varnishes, Thinners for Enamels, Thinners for Lacquers, Thinners for Stains, Thinners for Undercoaters, Paste Wood Filler, Liquid Wood Filler, Sealers, Japans, Varnish Oils and Driers.
Claims use since Sept. 6, 1938.

Ser. No. 411,537. R. H. MACY & CO., INC., New York, N. Y. Filed Oct. 12, 1938.

SUPRE-MACY

For Lacquers, Leads for Use as Paint Pigments, Liquid Wax, Prepared Shellacs, Primers, Ready Mixed Paints, Stains, Turpentine, and Varnishes.
Claims use since January, 1933.

CLASS 19

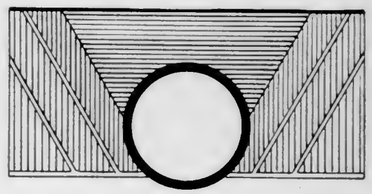
Vehicles, Not Including Engines

Ser. No. 406,513. EDMUND E. HANS, Detroit, Mich. Filed May 19, 1938.

HI-TEMP

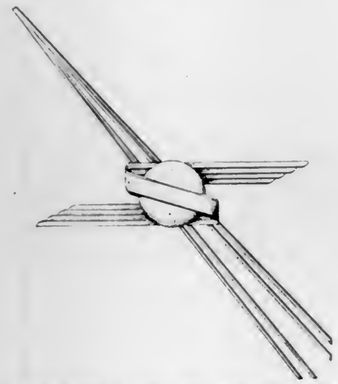
For Vehicle Heaters Using Hot Fluids from Engine.
Claims use since Dec. 1, 1935.

Ser. No. 411,143. WAGNER ELECTRIC CORPORATION, St. Louis, Mo. Filed Sept. 30, 1938.



The drawing is lined for red and blue.
For Metal Repair and Replacement Parts for Vehicle Braking Apparatus.
Claims use since Nov. 1, 1932.

Ser. No. 411,733. BELL AIRCRAFT CORPORATION, Buffalo, N. Y. Filed Oct. 18, 1938.



For Airplanes and Structural Parts Thereof.
Claims use since Oct. 21, 1937.

Ser. No. 411,850. AVIATION MANUFACTURING CORPORATION, Chicago, Ill. Filed Oct. 21, 1938.



For Airplanes and Structural Parts Thereof.
Claims use since Jan. 1, 1926.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 403,714. THE BRUSH DEVELOPMENT COMPANY, Cleveland, Ohio. Filed Mar. 5, 1938.

HUSHATONE

For Electro-Acoustic Transducers.
Claims use since Sept. 27, 1937.

Ser. No. 403,950. MAGIC EAR RADIO CORPORATION, New York, N. Y. Filed Mar. 11, 1938.

MAGIC

EAR

For Bedside Radio Sets and Bedside Radio Attachments.
Claims use since July 1, 1937.

Ser. No. 410,444. WALKER BROTHERS, Conshohocken, Pa. Filed Sept. 10, 1938.

WALKERIZED DUALCOTE

The word "Dualcote" is disclaimed apart from the mark.
For Conduits, Ducts, Boxes, and Fittings for Electrical Construction.
Claims use since March, 1938.

Ser. No. 410,695. INTERNATIONAL APPLIANCE CORPORATION, Brooklyn, N. Y. Filed Sept. 17, 1938.

BROILKING

For Electrical Cooking Stoves.
Claims use since Mar. 15, 1938.

Ser. No. 411,497. THE B. F. GOODRICH COMPANY, New York, N. Y. Filed Oct. 11, 1938.

GLASSTEX

For Electric Storage Batteries.
Claims use since Aug. 29, 1938.

Ser. No. 411,505. LUSTRON LIGHTS, INC., New York, N. Y. Filed Oct. 11, 1938.

LUSTRON

For Neon Tubes, Gaseous Discharge Tubes, Variable Luminosity Tubes, and Generators for Energizing the Same.
Claims use since May 6, 1938.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 396,782. M. M. POCHAPIN, INC., New York, N. Y., assignor to Bob Burns, also known as Robert Burn, Hollywood, Calif. Filed Aug. 26, 1937.



The representation of the goods and the words "Just Sing" are disclaimed. The picture is that of Bob Burns, star of stage, radio, and moving pictures.
For Toy Musical Instruments.
Claims use since Sept. 30, 1936.

Ser. No. 404,550. JOSEPHINE W. SHERER, doing business as Oletime Woodsman's Line, Paxton, Mass. Filed Mar. 26, 1938.

Oletime Woodsman's

For Salt and Fresh Water Baits, Including Artificial Flies, Fishing Boot Harnesses, Surf Casters' Belts, Hat Bands for the Retention of Fishing Flies.
Claims use since Apr. 1, 1937.

Ser. No. 410,450. COLONIAL EARPHONE CO., INC., New York, N. Y. Filed Sept. 12, 1938.

G-MAN-DE-TECT-I-PHONE

The word "De-Tect-I-Phone" is disclaimed apart from the mark.
For Toy Telephone Systems, Receivers, and Transmitters.
Claims use since June 1, 1938.

Ser. No. 410,800. RIDGEWOOD NOVELTY MANUFACTURING COMPANY, Brooklyn and New York, N. Y. Filed Sept. 20, 1938.

JITTER-BUG

For Toy Novelty Figures.
Claims use since Sept. 8, 1938.

Ser. No. 411,518. MILTON BRADLEY COMPANY, Springfield, Mass. Filed Oct. 12, 1938.

CHAMELEON

For Table Board Games.
Claims use since Apr. 25, 1938.

Ser. No. 411,525. DOWST MANUFACTURING COMPANY, Chicago, Ill. Filed Oct. 12, 1938.

TOOTSIETOY

For Miniature Toys and Novelties, Including Automobiles, Trucks, Tractors, Aeroplanes, Boats, Submarines, Zeppelins, Trains, Cannon, Dishes, Furniture, Doll-Houses, Badges, Whistles, Basketball in Miniature, Guns, Pistols, Telephones, Fire-Engines, Derricks, Ladders, Scales, Bath-Room Fixtures, and Fortune-Telling Sets.
Claims use since Apr. 20, 1921.

Ser. No. 411,570. DANIEL CLARK, Chicago, Ill. Filed Oct. 13, 1938.

DUROTWIST

For Bowstrings.
Claims use since Sept. 21, 1938.

Ser. No. 411,595. DENISON BABCOCK, New York, N. Y. Filed Oct. 14, 1938.

PYLON

For Ball Game Devices.
Claims use since Oct. 7, 1938.

Ser. No. 411,717. THE SPONGE RUBBER PRODUCTS COMPANY, Derby, Conn. Filed Oct. 17, 1938.

TRAIN-EN

For Play Balls and Playsets Including Balls.
Claims use since Sept. 2, 1938.

Ser. No. 411,977. THE WARHAM CO., Oakland, Calif. Filed Oct. 22, 1938.

ROCKET

For Bubble Cannons.
Claims use since May 1, 1938.

Ser. No. 411,983. ARRANBEE DOLL CO., New York, N. Y. Filed Oct. 24, 1938.



No claim is made to the representation of the doll apart from the mark.
For Dolls.
Claims use since March, 1938.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 402,858. GILLETTE SAFETY RAZOR BLADE COMPANY, Boston, Mass. Filed Feb. 9, 1938.

DEMOCRAT

For Safety Razors and Safety Razor Blades.
Claims use since Jan. 27, 1938.

Ser. No. 408,868. WELLESLEY HOLDINGS LTD., London, England. Filed July 23, 1938.

HYGANIC

For Apparatus and Machines for the Manufacture of Fertilizers and Foodstuffs for Animals, Especially Digesters, Air Blowers, Air Heaters, Hoppers, Grabs for Use in Removing the Finished Materials from the Digesters.
Claims use since Oct. 26, 1937.

Ser. No. 409,229. BINKS MANUFACTURING COMPANY, Chicago, Ill. Filed Aug. 4, 1938.

DYNAPRECIPITOR

For Dry Type Spray Booths, Wash Type Spray Booths, and Spray Fume Air Cleaners and Eliminators.
Claims use since Apr. 21, 1938.

Ser. No. 410,738. E. D. JONES & SONS COMPANY, Springfield, Mass. Filed Sept. 19, 1938.

Nowave

For Jordan Machines and Fillings Therefor Consisting of Blades and Spaces.
Claims use since Aug. 17, 1938.

Ser. No. 411,724. VICTO-GRAPH CORPORATION, Chicago, Ill. Filed Oct. 17, 1938.

Victo-graph

For Duplicating Machine Parts—Namely, Rolls Therefor.
Claims use since Sept. 20, 1938.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 408,157. COORS PORCELAIN COMPANY, Golden, Colo. Filed July 2, 1938.

COORS

SILLIMANITE (MULLITE)

No claim is made to the words "Coors" and "Sillimanite" except as shown.
For Laboratory Porcelain Ware Consisting of Refractory Tubes and Vessels, Sampling Tubes, Pyrometer Tubes, Combustion Tubes, Crucibles, Combustion Boats, Evaporating Dishes, Casseroles, and Chemical Porcelain.
Claims use since June 10, 1938.

Ser. No. 409,268. GLEASON-AVERY, INC., Auburn, N. Y. Filed Aug. 5, 1938.

"COAL-MISER"

For Temperature Responsive Stoker Control Burner Timers.
Claims use since June 24, 1938.

Ser. No. 410,563. TAYLOR INSTRUMENT COMPANIES, Rochester, N. Y. Filed Sept. 14, 1938.

BAROGUIDE

For Barometers.
Claims use since July 28, 1938.

Ser. No. 410,707. WILLIAM W. RICE, Chicago, Ill. Filed Sept. 17, 1938.

PHOTO-PAY-NITE

No claim is made to the word "Photo" apart from the mark.
For Automatic Photographing Apparatus.
Claims use since Jan. 24, 1938.

Ser. No. 411,654. PETROLEUM HEAT AND POWER COMPANY, New York, N. Y. Filed Oct. 15, 1938.

PETROSTAT

For Thermostats.
Claims use since Aug. 1, 1938.

CLASS 27

Horological Instruments

Ser. No. 388,702. BELOVE WATCH CASE CO., INC., New York, N. Y. Filed Feb. 10, 1937.

ANCHOR

For Watch Cases and Watch Dials.
Claims use since October, 1935.

Ser. No. 405,287. M. BONN CO., INC., Pittsburgh, Pa. Filed Apr. 15, 1938.

HERWALT

For Watches, Watch Cases, Watch Movements, and Parts of the Same.
Claims use since Dec. 1, 1937.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 402,537. JOHN H. MULKEY, doing business as Western Jewelry Company, Portland, Oreg. Filed Jan. 31, 1938.



The words "Genuine Black Diamond" are disclaimed apart from the mark.
For Jewelry for Personal Wear or Adornment, Not Including Watches.
Claims use since April, 1932.

Ser. No. 402,915. ONEIDA LTD., Sherrill and Oneida, N. Y., and Northampton, Mass. Filed Feb. 10, 1938.

SURF CLUB

For Silver Plated Flatware and Silver Plated Cutlery.
Claims use since Dec. 31, 1937.

Ser. No. 411,559. TRABERT & HOEFFER INC., New York, N. Y. Filed Oct. 12, 1938.

Napoleon's Caesar Emerald

The word "Emerald" is disclaimed apart from the mark.
For Emeralds and Precious Stones.
Claims use since July 14, 1938.

Ser. No. 411,650. NATIONAL SILVER COMPANY, New York, N. Y. Filed Oct. 15, 1938.

"the meter of public opinion"

For Sterling Silver and Silver Plated Flatware, Hollow Ware, and Tableware.
Claims use since Sept. 20, 1935.

Ser. No. 411,651. NATIONAL SILVER COMPANY, New York, N. Y. Filed Oct. 15, 1938.

PLUME

For Sterling Silver and Silver Plated Flatware, Hollow Ware, and Tableware.
Claims use since Aug. 17, 1938.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 411,485. BARONET-LORNA CO., INC., New York, N. Y. Filed Oct. 11, 1938.

SallyAnn

For Powder Puffs.
Claims use since Sept. 15, 1937.

CLASS 31

Filters and Refrigerators

Ser. No. 403,073. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Feb. 16, 1938.

SILVER DOME

For Beverage Coolers.
Claims use since Mar. 1, 1937.

CLASS 32

Furniture and Upholstery

Ser. No. 398,532. FOSTER BROTHERS MANUFACTURING COMPANY, Utica, N. Y. Filed Oct. 15, 1937.

DAVENOLA

For Sofa Beds and Studio Couches.
Claims use since July 5, 1937.

Ser. No. 408,321. THE MARQUIS FURNITURE CO., INC., New York, N. Y. Filed July 8, 1938.

THE MARQUIS LIBRARY-BED

The term "Library-Bed" is disclaimed apart from the mark.
For Beds.
Claims use since May 1, 1937.

Ser. No. 411,699. THE MAY DEPARTMENT STORES COMPANY, St. Louis, Mo. Filed Oct. 17, 1938.

BARONIAL

For Living Room, Dining Room, and Bedroom Furniture, Including Bed Springs, Mattresses, and Pillows.
Claims use since Mar. 21, 1935.

Ser. No. 411,703. THE NO-SAG SPRING COMPANY, Detroit, Mich. Filed Oct. 17, 1938. Under act of Feb. 20, 1905, as amended June 10, 1938.

SUNANAIR

For Mattresses and Bed Springs.
Claims use since Aug. 3, 1938.

Ser. No. 411,736. BLOOMINGDALE BROS., INC., New York, N. Y. Filed Oct. 18, 1938.

PICKET FENCE

For Beds, Dressers, Chairs, Vanities, Night Tables, Chests.
Claims use since Aug. 1, 1938.

Ser. No. 411,871. CHARLES KARR COMPANY, Holland, Mich. Filed Oct. 21, 1938.

WEE FOLKS

For Mattresses, Cushions, and Pillows.
Claims use since June 30, 1938.

Ser. No. 411,955. KROEHLER MANUFACTURING CO., Chicago, Ill. Filed Oct. 22, 1938.

LAZY-REST

For Lounge Chairs.
Claims use since Sept. 1, 1938.

Ser. No. 412,030. HAMILTON MANUFACTURING COMPANY, Two Rivers, Wis. Filed Oct. 25, 1938.

POSTURBILT

For Children's Furniture and Training Accessories—Namely, Children's Nursery Seats, Nursery Chairs, Play Yards, Table and Chair Sets, Desks, Chairs, Tables, Cribs, Beds, Dressers, Bureaus, and Cots.
Claims use since February, 1935.

CLASS 33

Glassware

Ser. No. 391,838. THE GEO. WORTHINGTON COMPANY, Cleveland, Ohio. Filed Apr. 24, 1937.

TRAIL BLAZER

For Water Glasses, Glass Fruit Jars, Jelly Glasses, and Glass Berry Dishes.
Claims use since Sept. 1, 1936.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 391,839. THE GEO. WORTHINGTON COMPANY, Cleveland, Ohio. Filed Apr. 24, 1937.

TRAIL BLAZER

For Gas Furnaces, Coal Furnaces, Fluid and Solid Fuel Cooking Ranges, and Stove Pipe.
Claims use since Sept. 1, 1936.

Ser. No. 409,742. PHILCO RADIO AND TELEVISION CORPORATION, Philadelphia, Pa. Filed Aug. 18, 1938.

COOL-WAVE

For Air Conditioning Units—That is, Apparatus for Controlling the Temperature and Humidity of Air.
Claims use since June 4, 1938.

Ser. No. 411,309. OIL CITY TANK & BOILER COMPANY, Oil City, Pa. Filed Oct. 5, 1938. Under 10-year proviso.

'OIL CITY'

For Water Heating and Steam Generating Boilers Heated by Coal, Gas, and Oil.
Claims use since 1876.

Ser. No. 411,360. ALBESTOS CORPORATION, Philadelphia, Pa. Filed Oct. 7, 1938.

GlassBestoS

No claim is made to the word "Glass" apart from the mark.
For Oil Burner Wicking.
Claims use since Aug. 30, 1938.

Ser. No. 411,423. MORRISON ENGINEERING COMPANY, INC., Cleveland, Ohio. Filed Oct. 8, 1938.

FLASH

For Ovens.
Claims use since Jan. 23, 1937.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 404,082. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Mar. 15, 1938.

CONVOY

For Resilient Vehicle Tires of Rubber or Rubber Composition or Rubber and Fabric.
Claims use since Dec. 6, 1937.

Ser. No. 411,917. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Filed Oct. 21, 1938.

SPECIAL DELIVERY

For Rubber Tires for Vehicles.
Claims use since July 15, 1938.

Ser. No. 411,918. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Filed Oct. 21, 1938.

ROAD GRADER

For Rubber Tires for Vehicles.
Claims use since June 14, 1938.

Ser. No. 411,919. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Filed Oct. 21, 1938.

EARTH MOVER

For Rubber Tires for Vehicles.
Claims use since Apr. 13, 1938.

CLASS 37

Paper and Stationery

Ser. No. 407,296. AMERICAN LACE PAPER COMPANY, Milwaukee, Wis. Filed June 10, 1938.

american

PAPER PRODUCTS OF DISTINCTION

Applicant disclaims apart from the mark as shown the wording which appears thereon.
For Paper Box Laces, Paper Doilies, Paper Napkins, Paper Dental Pinafores, Shelf Paper, Shelf and Lining Paper, Paper Frilled Skewers, Paper Tray Covers, and Paper Tumbler Covers.
Claims use since February, 1936.

Ser. No. 409,106. PHOENIX TOILET & PAPER MFG. CO. INC., Phoenix, N. Y. Filed July 30, 1938.

ROYAL COACH

For Toilet Paper.
Claims use since Feb. 16, 1935.

Ser. No. 409,593. SAN-NAP-PAK MFG. CO. INC., New York, N. Y. Filed Aug. 13, 1938.

SNP

For Bathroom and Toilet Tissue.
Claims use since June 13, 1938.

Ser. No. 409,887. LEE PAPER COMPANY, Vicksburg, Mich. Filed Aug. 23, 1938.

OLD GENERAL

For Bond Paper.
Claims use since June 17, 1924.

CLASS 38

Prints and Publications

Ser. No. 392,216. LAKE SHORE MARKETING AND MERCHANDISING CO., INC., Chicago, Ill. Filed May 3, 1937.

the GROCER'S DIGEST

For Periodical Publication.
Claims use since Mar. 1, 1937.

Ser. No. 401,519. AFGA ANSCO CORPORATION, Binghamton, N. Y. Filed Jan. 4, 1938.

THE AGFA DIAMOND

For Periodical Publications.
Claims use since Apr. 19, 1937.

Ser. No. 402,657. UNITED STATES POWER SQUADRONS, INC., New York, N. Y. Filed Feb. 3, 1938.

THE ENSIGN

For Publications.
Claims use since January, 1915.

Ser. No. 403,010. JAMES R. LEE, doing business as Echo Publishing Company, Memphis, Tenn. Filed Feb. 14, 1938.

ECHO

For Publication for a Picture, News, and Advertising Medium, and is Published Monthly.
Claims use since Dec. 10, 1937.

Ser. No. 403,633. BILBARA PUBLISHING CO. INC., New York, N. Y. Filed Mar. 3, 1938.

Peek
MAGAZINE

For Magazine Published From Time to Time.
Claims use since Dec. 1, 1937.

Ser. No. 404,481. MAY MILLS, doing business as The Postmasters Advocate Publishing Co., Washington, D. C. Filed Mar. 25, 1938.

POSTMASTERS ADVOCATE

For Magazine.
Claims use since Jan. 1, 1918.

Ser. No. 406,587. EDWIN G. HITCHCOCK, doing business as Hitchcock's Talent Data Service, Hollywood, Calif. Filed May 21, 1938.

WHO'S WHERE
in
HOLLYWOOD'S SHOW WORLD

The word "Hollywood's" is disclaimed apart from the mark.
For Directory of Hollywood's Show World, Published Quarterly.
Claims use since Apr. 27, 1938.

Ser. No. 410,259. OWEN P. MCCAFFREY AND ASSOCIATES, Chicago, Ill. Filed Sept. 3, 1938.

McCAFFREY'S Trendex

Applicant disclaims "McCaffrey's" apart from the mark.
For Daily Stock Market Publication and for a Weekly Financial Publication.
Claims use since July 6, 1938.

Ser. No. 410,714. ADVENTURES IN GOOD EATING, INC., Chicago, Ill. Filed Sept. 19, 1938.



For Series of Directories of Hotels, Inns, Overnight Guest Houses and Modern Auto Courts Situated Along or Conveniently Accessible From the Leading Motor Highways of America, Published From Time to Time.
Claims use since July 29, 1938.

Ser. No. 411,151. WALTER J. BLACK, INC., New York, N. Y. Filed Oct. 1, 1938.

Giant International Series

No claim is made to the word "Series" apart from the mark.
For Series of Books, the Subject Matter of Which is not Potentially Complete.
Claims use since Oct. 9, 1937.

Ser. No. 411,425. PHOTOCRAFT PUBLICATIONS, INC., New York, N. Y. Filed Oct. 8, 1938.

BETTER PHOTOGRAPHY

For Periodical Publication.
Claims use since Sept. 3, 1938.

Ser. No. 411,581. LOVE ROMANCES PUBLISHING COMPANY, INC., New York, N. Y. Filed Oct. 13, 1938.

All-American FOOTBALL
MAGAZINE

The term "American" is disclaimed apart from the mark.
For Periodical.
Claims use since Aug. 1, 1938.

Ser. No. 411,611. NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION, New York, N. Y. Filed Oct. 14, 1938.

NEMA

For Bulletins, Booklets, Reports, Pamphlets, and Publications Issued From Time to Time, the Subject Matter of Which is Technical, Educational, and Promotional.
Claims use since October, 1927.

Ser. No. 411,653. NEW YORK WORLD-TELEGRAM CORPORATION, New York, N. Y. Filed Oct. 15, 1938.

GUESSING THE GRIDDERS

For News Feature, Published From Time to Time.
Claims use since 1931.

CLASS 39

Clothing

Ser. No. 398,704. GEO. W. BOLLMAN & CO., Adamstown, Pa. Filed Oct. 20, 1937.



The word "Beaucaire" is claimed only in connection with the other features of the mark.
For Men's and Boys' Felt and Straw Hats.
Claims use since Oct. 1, 1936.

Ser. No. 402,636. THE KNORR MERCANTILE COMPANY, Wichita, Kans. Filed Feb. 3, 1938.

CRESTVIEW

For Dress Shirts.
Claims use since Sept. 15, 1937.

Ser. No. 403,326. PECK & PECK, New York, N. Y. Filed Feb. 23, 1938.

COBWEB

For Sweaters.
Claims use since Dec. 15, 1934.

Ser. No. 405,607. BENJAMIN LEE, doing business as Model Garment Company, Chicago, Ill. Filed Apr. 22, 1938.

DIXIANA

For House Dresses.
Claims use since Mar. 15, 1938.

Ser. No. 408,409. MORRIS KOPP, New York, N. Y. Filed July 11, 1938.

Merrimel

For Ladies', Men's, and Boys' Clothing and Sportswear—Namely, Ladies' Reversible Raincoats, Ladies' Topcoats, Ladies' Jackets, Men's and Boys' Trousers, Men's and Boys' Suits, and Men's and Boys' Overcoats, Men's and Boys' Reversible Raincoats, Men's and Boys' Mackinaws, and Men's and Boys' Jackets.
Claims use since July 1, 1935.

Ser. No. 408,968. THE PRINTZ BIEDERMAN COMPANY, Cleveland, Ohio. Filed July 27, 1938.

printzessdeb
DESIGNED AND TAILORED *by* Printz
for the junior miss

All wording except "Printzess Deb" is disclaimed apart from the mark.
For Women's Coats and Suits.
Claims use since May 15, 1938.

Ser. No. 410,298. THE MAY DEPARTMENT STORES CO., New York, N. Y., Akron, Ohio, Baltimore, Md., Cleveland, Ohio, Los Angeles, Calif., Denver, Colo., and St. Louis, Mo. Filed Sept. 6, 1938.

Barrton Hall

For Men's Suits, Hats, and Caps.
Claims use since June 18, 1935.

Ser. No. 410,660. I. SCHNEIERSON & SONS, INC., New York, N. Y. Filed Sept. 16, 1938.

Percale-Tex

The word "Percale" is disclaimed apart from the mark.
For Ladies' Chemises, Princess Slips, Bloomers, Step-Ins, and Nightgowns Made of Percale, a Textile Fabric.
Claims use since Aug. 1, 1938.

Ser. No. 411,108. I. UNTERBERG & CO., INC., New York, N. Y. Filed Sept. 29, 1938.

GoldRibbon

For Men's Outer Shirts.
Claims use since 1928.

Ser. No. 411,160. GOLDMOOR CLOAK & SUIT CO., INC., New York, N. Y. Filed Oct. 1, 1938.



For Women's Coats and Suits.
Claims use since Sept. 29, 1938.

Ser. No. 411,212. CONTINENTAL MILLS, INC., Philadelphia, Pa. Filed Oct. 3, 1938.

COBA-FLEECE

The word "Fleece" is disclaimed apart from the mark.
For Men's and Boys' Coats and Suits and Women's, Girls', and Children's Coats, Suits, Cloaks, and Capes.
Claims use since Aug. 5, 1938.

Ser. No. 411,236. NEIMAN-MARCUS COMPANY, Dallas, Tex. Filed Oct. 3, 1938.

Sig Shirt

Applicant disclaims the word "Shirt" except as shown.
For Outer Shirts.
Claims use since Aug. 25, 1938.

Ser. No. 411,343. A. SAGNER & SONS, INC., Baltimore, Md. Filed Oct. 6, 1938.

...Blutex...

For Men's Suits.
Claims use since March, 1932.

Ser. No. 411,409. GLOBE KNITTING WORKS, Grand Rapids, Mich. Filed Oct. 8, 1938.



For Men's, Boys' Women's, and Children's Pajamas.
Claims use since Sept. 9, 1938.

Ser. No. 411,417. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J. Filed Oct. 8, 1938.



For Hosiery.
Claims use since Sept. 16, 1938.

Ser. No. 411,421. LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I., and New York, N. Y. Filed Oct. 8, 1938.

Tricolora

For Women's and Girls' Skirts, Waists, Suits, Coats, Dresses, and Pajamas; Children's Rompers, Dresses, and Suits; Men's and Boys' Suits, Coats, and Trousers.
Claims use since Feb. 9, 1938.

Ser. No. 411,534. I. C. ISAACS & COMPANY, INC., Baltimore, Md. Filed Oct. 12, 1938.



For Breeches, Jodhpurs, Pants, Slacks, Jackets, and Riding Coats for Men, Women, and Children.
Claims use since Aug. 1, 1937.

Ser. No. 411,632. P. FEINSTEIN & SONS, INC., New York, N. Y. Filed Oct. 15, 1938.

"Pleasure Bound"

For Men's and Young Men's Coats, Vests, Trousers, Shirts, Topcoats, and Overcoats.
Claims use since Sept. 20, 1938.

Ser. No. 411,643. LORD & TAYLOR, New York, N. Y. Filed Oct. 15, 1938.

Huddle

For Jackets and Coats for Men and Boys.
Claims use since Oct. 1, 1938.

Ser. No. 411,694. THE J. L. HUDSON COMPANY, Detroit, Mich. Filed Oct. 17, 1938.

The Doubliner

For Men's and Young Men's Topcoats and Overcoats.
Claims use since June, 1938.

Ser. No. 411,695. THE J. L. HUDSON COMPANY, Detroit, Mich. Filed Oct. 17, 1938.

The Sturdiwarm

For Men's and Young Men's Topcoats and Overcoats.
Claims use since June, 1938.

Ser. No. 412,003. MAX MATUSOW, doing business as The Matusow Mfg. Company, Philadelphia, Pa. Filed Oct. 24, 1938.

ANDY HARDY

"Andy Hardy" is the name of a fictitious character in a series of moving picture plays.
For Boys' Lumberjackets and Suits.
Claims use since Aug. 16, 1938.

Ser. No. 412,054. MURRAY ROSE, New York, N. Y. Filed Oct. 26, 1938.

NIRVANA

For Hosiery.
Claims use since July 30, 1938

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 411,440. AUGUSTO J. ANDREWS, doing business as Pawtucket Standard Braid Company, Pawtucket, R. I. Filed Oct. 10, 1938.



For Shoe Laces and Braids.
Claims use since Nov. 21, 1935.

CLASS 41

Canes, Parasols, and Umbrellas

Ser. No. 411,418. ELMER KREIS & CO., Chicago, Ill. Filed Oct. 8, 1938.

The Rain King

For Umbrellas.
Claims use since Sept. 28, 1938.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 394,125. COLLINS & AIKMAN CORPORATION, Philadelphia, Pa. and New York, N. Y. Filed June 16, 1937.



"DOESKIN VELVET"

The notation "Doeskin Velvet" is disclaimed apart from the mark.
For Pile Fabrics Comprising Cotton, Silk, Wool, Mohair, or Synthetic Fibers, in the Piece and Cut Lengths.
Claims use since June 9, 1937.

Ser. No. 402,635. THE KENDALL COMPANY, Walpole, Mass. Filed Feb. 3, 1938.

BLUE HILL

For Cheese cloth.
Claims use since Jan. 18, 1938.

Ser. No. 406,310. VELVERAY CORPORATION OF AMERICA, New York, N. Y. Filed May 13, 1938.

LANATONE

For Decorated, Printed, and Ornamented Knitted and Woven Textile Fabrics, which Fabrics May Be Crepe Goods, Flat Goods, or Pile Goods and May Consist of Cotton, Silk, Linen, Wool, or Mixtures Thereof.
Claims use since Feb. 1, 1937.

Ser. No. 406,512. JAMES G. HARDY, doing business as James G. Hardy & Co., New York, N. Y. Filed May 19, 1938.

UNIVERSITY

For Cotton Sheets and Pillow Cases, Cotton Sheeting and Pillow Case Tubing, and Cotton Bedspreads.
Claims use since Nov. 1, 1928.

Ser. No. 407,460. JEAN BAPTISTE MARIE YVES ALEXANDRE DAVID DE BEUBLAIN, Saint-Etienne, France. Filed June 14, 1938.

MAPY

For Towels, Towelling, Sheets, Bath Mats, Table Napkins, Table Cloths, Bedspreads, Blankets, Rugs, Pillow Cases, Comforts, Carpets, Cotton Velour Upholstery, Fabrics, Spreads, Draperies, Curtains, Hangings, Portieres, and Textile Fabrics in the Piece Composed Wholly or in Part of Silk, Rayon, Cotton, Wool, or Linen.
Claims use since Mar. 14, 1932.

Ser. No. 410,919. NATIONAL SURE-FIT QUILTING COMPANY, INC., New York, N. Y. Filed Sept. 23, 1938.

VILLADOWN

For Comforters.
Claims use since Sept. 21, 1938.

Ser. No. 411,270. GEHRING LACES, INC., New York, N. Y. Filed Oct. 4, 1938.



The word "Lace" and the map per se is disclaimed apart from the mark.
For Lace Piece Goods.
Claims use since March, 1938.

Ser. No. 411,279. NATIONAL SURE-FIT QUILTING COMPANY, INC., Long Island City, N. Y. Filed Oct. 4, 1938.



The portrait is fanciful.
For Patchwork Quilts, Comforters, and Bedspreads.
Claims use since Mar. 22, 1938.

Ser. No. 411,628. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 15, 1938.

RESTALURE

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Oct. 22, 1937.

Ser. No. 411,766. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 19, 1938.

CELADALE

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Oct. 7, 1938.

Ser. No. 411,767. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 19, 1938.

CELADAWN

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Oct. 7, 1938.

Ser. No. 411,768. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 19, 1938.

CELANADO

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Oct. 14, 1938.

Ser. No. 411,769. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 19, 1938.

CELWICK

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since May 11, 1938.

Ser. No. 411,770. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 19, 1938.

DIANACEL

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Oct. 14, 1938.

Ser. No. 411,771. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 19, 1938.

FEATHERCEL

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Oct. 14, 1938.

Ser. No. 411,810. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 20, 1938.

CELACANNA

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Oct. 14, 1938.

Ser. No. 411,811. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 20, 1938.

CELADEW

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Oct. 14, 1938.

Ser. No. 411,812. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 20, 1938.

CELADREAM

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Oct. 14, 1938.

Ser. No. 411,813. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 20, 1938.

CELALLURE

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Oct. 14, 1938.

Ser. No. 411,814. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 20, 1938.

CELAMIDO

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Oct. 14, 1938.

Ser. No. 411,815. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 20, 1938.

CELAMIGO

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Oct. 14, 1938.

Ser. No. 411,816. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 20, 1938.

CELAMIST

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Oct. 7, 1938.

Ser. No. 411,817. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 20, 1938.

CELAMOUR

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Oct. 14, 1938.

Ser. No. 411,818. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 20, 1938.

CELASPRAY

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Oct. 7, 1938.

CLASS 43

Thread and Yarn

Ser. No. 411,414. JOHN W. W. HOLDEN, Providence, R. I. Filed Oct. 8, 1938.

Koreday

For Thread and Yarn.
Claims use since June 15, 1938.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 400,073. SUPERVAPOR EQUIPMENT CORPORATION, New York, N. Y. Filed Nov. 23, 1937.

SUPERVAPOR

For Vapor Devices—Namely, Portable Scientific Heat Bath Cabinets.
Claims use since Jan. 2, 1937.

Ser. No. 406,625. OSTERODER GUMMIWERK JOSEF WEINAND, Osterode, Germany. Filed May 23, 1938.

UNITAS

For Rubber Composition for Dental Purposes, and Dentures.

Claims use since July 8, 1937.

Ser. No. 408,293. TORVIC LABORATORIES, INCORPORATED, Hagerstown, Md. Filed July 7, 1938.

Torvic
ELECTRIC VOLATILIZER

Applicant disclaims the expression "Electric Volatilizer" per se.

For Medical Appliance Used in the Treatment of Sinus Trouble, Asthma, Hay Fever, Colds, Catarrh, and Other Head and Throat Ailments.

Claims use since April, 1938.

Ser. No. 411,096. H. B. LAYMAN, doing business as World's Products Company, Spencer, Ind. Filed Sept. 29, 1938.

RED BIRD



For Prophylactic Rubber Articles for the Prevention of Disease.

Claims use since Feb. 10, 1936.

Ser. No. 412,210. BAXTER LABORATORIES, INC., Glenview, Ill. Filed Oct. 31, 1938.

TRANSFUSO VAC

For Apparatus for Use in the Transfusion of Blood and Parenteral Liquids.

Claims use since Oct. 3, 1938.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 411,702. NATURAL SET UP SALES CORPORATION, St. Louis, Mo. Filed Oct. 17, 1938.

MIL K BOTL

For Nonalcoholic, Maltless Soft Drinks, Particularly Orange Beverages, and for Nonalcoholic, Maltless Extracts and Concentrated Fruit Syrups Used in the Preparation of Said Soft Drinks.

Claims use since Sept. 6, 1934.

CLASS 46

Foods and Ingredients of Foods

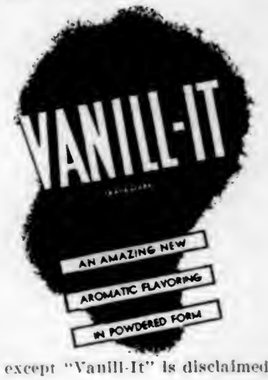
Ser. No. 387,432. CHAMPION MILLING & GRAIN COMPANY, Clinton, Iowa. Filed Jan. 4, 1937.

Champion
CATA-LENE

For Cultured Feeding Concentrate for Livestock and Poultry.

Claims use since Oct. 1, 1936.

Ser. No. 388,486. JOSEPHINE L. KAUMANNS, Highland Park, Ill. Filed Feb. 5, 1937.



All wording except "Vanill-It" is disclaimed apart from the mark.

For Flavoring Material in a Powdered Form and Used for Flavoring Purposes.

Claims use since Oct. 1, 1935.

Ser. No. 392,800. THE KELLING NUT CO., Chicago, Ill. Filed May 15, 1937.

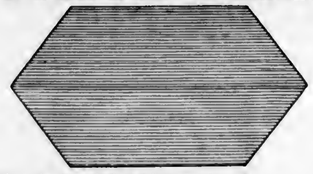
KK

For Salted, Candied, and Plain Nut Meats.

Claims use since 1907.

Ser. No. 396,644. THE MERCHANTS MILLING CO., Hagerstown, Md. Filed Aug. 21, 1937.

MAGIC WHITE BEAR



The drawing is lined for blue and red.

For Blended Flour Made Up of Soft Winter Wheat Flour, Hard Winter Wheat Flour, and Spring Wheat Flour.

Claims use since July 6, 1937.

Ser. No. 400,158. GALBAN LOBO COMPANY IMPORTING AND EXPORTING ASSOCIATION, S. A., Habana, Cuba. Filed Nov. 26, 1937.



No claim is made to the words "Brand", "Product of Cuba", "Fruits and Vegetables", "Grown and Packed By", and "Havana, Cuba" apart from the mark.

For Prepared Cereals, Olive Oil and Other Edible Oils, Lard and Edible Fats, Malt; Fresh and Canned Pineapples, Tomatoes, Eggplants, Cucumbers, Lima Beans; Fresh Grapefruits, Oranges, Papayas, and Alligator Pears; Dry Fruits and Preserved Fruits; Wheat Flour and Corn Flour; Corn Meal; Roast Corn Meal; Cornstarch; Tea, Coffee, Sago, Candies, Cocoa, Jellies and Jams; Canned Pork, Canned Mutton, and Canned Beef; Salted Pork, Salted Mutton, and Salted Beef; Spices, Mate, Sugar, Salt, Cane Juice Syrup, Molasses, Honey, Yeast, Bread, Biscuits, Crackers, and Cakes; Fresh Milk, Evaporated Milk, Malted Milk, Cheese, Butter; Lard and Butter Compounds; Tomato Sauce and Catsup; Olives, Vinegar, Mixed Pickles; Live and Dressed Fowls; Eggs; Game, Dry or Fresh; Hams, Sausages, Vermicelli; Spaghetti, Noodles, Alimentary Pastes, Anise and Aromatic Products for Food Flavoring Purposes; Condensed Milk; Feed for Cattle, Swine, Sheep, and Poultry; Sugar-Cane Syrup; White Potatoes and Sweet Potatoes; Carrots, Turnips, and Beets; Wheat, Corn, Rice, Rye, Barley, Oats, and Buckwheat.

Claims use since May 18, 1937.

Ser. No. 402,684. HONDROULIS BROS. INC., Baltimore, Md. Filed Feb. 4, 1938.

ACHILLES

For Canned Fruits, Canned Vegetables, Canned Fish, Olive Oil, Baking Powder.

Claims use since Jan. 14, 1938.

Ser. No. 403,591. GEORGE J. HOWE COMPANY, INC., Grove City, Pa. Filed Mar. 2, 1938.

"Here's Howe"

The surname "Howe" is disclaimed.

For Pop Corn in Its Natural State, Peanuts and Other Nuts, Coffee, Tea, Noodles, Hot Chocolate Powder, Imitation Vanilla Flavor for Food Flavoring Purposes, Gelatin Dessert, Seasonings and Spices, (e. g. Whole Cinnamon, Ground Cinnamon, Dry Mustard, Mustard Seed, Cayenne Pepper, Black Pepper, Celery Seed, Celery Salt, Nutmeg, Ground Cloves, Whole Cloves, Ground Ginger, Ground Sage, Ground Caraway Seed, Chili Powder, Paprika, Turmeric, and Whole Allspice).

Claims use since July 11, 1930.

Ser. No. 406,544. BOOTH FISHERIES CORPORATION, Chicago, Ill. Filed May 20, 1938.

Fisher Boy



For Fresh Water Frozen Fish, Salt Water Frozen Fish, Frozen Shell Fish.

Claims use since 1902 on canned fish; since May 1, 1938, on goods above.

Ser. No. 407,038. SPRATT'S PATENT (AMERICA) LIMITED, London, England, and Newark, N. J. Filed June 2, 1938.

SPRATT'S



For Biscuit and Other Foods for Fish, Poultry, Birds, Dogs, Cats, and Foxes, Deer, Antelopes, Elephants, Bears, Lions, Tigers, and Other Animals Found in Zoological Gardens.

Claims use since May 17, 1938.

Ser. No. 408,420. JOSEPH CRUMBIE, doing business as Jingle Bell Ice Cream Company, Fort Worth, Tex. Filed July 12, 1938.

Jingle
BELL

For Ice Cream Bars.

Claims use since May 1, 1938.

Ser. No. 408,551. TENDERONI, INC., doing business as Q Company, Joliet, Ill. Filed July 15, 1938.

CREEM-O-CREEM

For Macaroni.
Claims use since Apr. 7, 1938.

Ser. No. 408,720. RADOS & BERG, INC., Terminal Island, Calif. Filed July 20, 1938.

Pacific Blue

The word "Pacific" is disclaimed apart from the mark.
For Sea Food—Namely, Fresh Frozen Prawn.
Claims use since May 1, 1937.

Ser. No. 408,736. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill. Filed July 18, 1938.

Sweetose

For Starch Conversion Syrup Useable as a Table Syrup and as an Ingredient of Other Food Products.
Claims use since June 14, 1938.

Ser. No. 408,801. KANSAS CITY MACARONI & IMPORTING CO., doing business as Faust Macaroni Company and American Beauty Macaroni Company, Kansas City, Mo. Filed July 22, 1938.

"Creem"

For Macaroni, Spaghetti, and Noodles.
Claims use since Jan. 2, 1938.

Ser. No. 409,011. SOCIETE ANONYME DES ETABLISSEMENTS G. EVRARD & HERBET "AU PIERROT GOURMAND", Ivry-sur-Seine, France. Filed July 28, 1938.

PIERROT GOURMAND



For Candy of All Kinds, Pastry, Cocoa, Sugar, and Honey.
Claims use since 1896.

Ser. No. 409,064. SPAULDING BAKERIES, INC., Binghamton, N. Y. Filed July 29, 1938.



"THE TOAST OF THE TOWN"

The representation of the slice of bread and the word "Toast" are disclaimed apart from the mark.
For Bakery Products, Particularly Bread.
Claims use since May 10, 1938.

Ser. No. 409,412. NEW BASE, INC., New York, N. Y. Filed Aug. 9, 1938.

AQUANILLA

For Food Flavoring Extract.
Claims use since May 31, 1938.

Ser. No. 409,856. VOX POP COMPANY, Oakland, Calif. Filed Aug. 22, 1938.

VOX POP

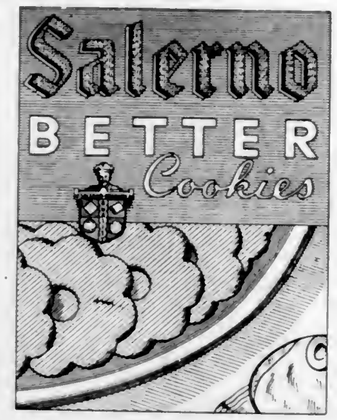
For Candied Confection Consisting of Caramel Coated Nuts and Grains.
Claims use since July 30, 1937.

Ser. No. 410,086. THE QUAKER OATS COMPANY, Chicago, Ill. Filed Aug. 29, 1938.

SPRING RANGE

For Cereal Grass Used as a Food for Animals.
Claims use since Aug. 8, 1938.

Ser. No. 410,091. SALERNO-MEGOWEN BISCUIT COMPANY, Chicago, Ill. Filed Aug. 29, 1938.



Applicant disclaims the words "Salerno", "Better", "Cookies", and "Quality" and the several representations of the goods apart from the mark.
For Cookies.
Claims use since Aug. 12, 1938.

Ser. No. 410,290. EVERS & JOHNSON, Chicago, Ill. Filed Sept. 6, 1938.

WAFFIES

For Icings.
Claims use since June 10, 1934.

Ser. No. 410,806. WORCESTER SALT COMPANY, New York, N. Y. Filed Sept. 20, 1938.

MADRE



The picture is that of Jane Wickersham.
For Salt.
Claims use since Aug. 25, 1938.

Ser. No. 410,828. FRANK A. BLUM & SONS, Pittsburgh, Pa. Filed Sept. 21, 1938.



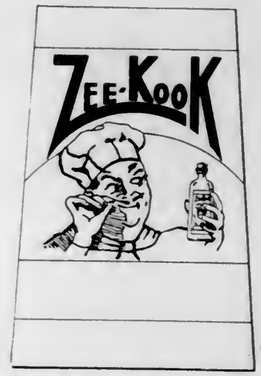
No claim is made to the word "Choice" except as shown.
For Cheese.
Claims use since May, 1936.

Ser. No. 410,932. SEBASTIAN STUART FISH CO., Seattle, Wash. Filed Sept. 23, 1938.

Taste-T

For Canned Fish.
Claims use since 1926.

Ser. No. 411,051. JOHN V. FRENDO, doing business as Zee-Kook Tenderizer Co., Detroit, Mich. Filed Sept. 28, 1938.



No claim is made to the representation of the label or the representation of the bottle apart from the mark.
For Meat Tenderizer Which is a Liquid Preparation Adapted to be Sprinkled on Meat Preparatory to Cooking the Meat.
Claims use since Sept. 2, 1938.

Ser. No. 411,124. KRASNE BROS., New York, N. Y. Filed Sept. 30, 1938.



The drawing is lined for orange, black, and grey. No claim is made to the words "Krasne Bros." apart from the mark or to the representation of a label per se.
For Canned Dog and Cat Food.
Claims use since Aug. 1, 1938.

Ser. No. 411,223. HOLLAND ORCHARDS, Kelseyville, Calif. Filed Oct. 3, 1938.

MARYKA



The picture is fanciful.
For Fresh Deciduous Fruits.
Claims use since Aug. 10, 1937.

Ser. No. 411,286. STANDARD MILLING COMPANY, New York, N. Y. Filed Oct. 4, 1938.

BO-PEEP



For Cake Flour.
Claims use since July 14, 1938.

Ser. No. 411,391. RALPH M. WETMORE, Sebastopol, Calif. Filed Oct. 7, 1938.

Saucit

For Dried Fruits.
Claims use since Sept. 16, 1938.

Ser. No. 411,412. B. HELLER & COMPANY, Chicago, Ill. Filed Oct. 8, 1938.

CHILK

For Base for Making a Chocolate Flavored Dairy Drink.
Claims use since Sept. 16, 1938.

Ser. No. 411,453. GUMAKERS OF AMERICA, INC., Clifton Heights, Pa. Filed Oct. 10, 1938.

JITTERGUM

For Chewing Gum.
Claims use since Oct. 3, 1938.

Ser. No. 411,555. CHARLES BANKS STOUT, doing business as Higginsville Flour Mill, Memphis, Tenn. Filed Oct. 12, 1938.

MY LADY



The picture is fanciful.
For Wheat Flour.
Claims use since 1908.

Ser. No. 411,556. CHARLES BANKS STOUT, doing business as Higginsville Flour Mill, Memphis, Tenn. Filed Oct. 12, 1938.

WHITE BLOSSOM

For Wheat Flour.
Claims use since 1908.

Ser. No. 411,688. THE FRENCH BAKERY COMPANY, Cleveland, Ohio. Filed Oct. 17, 1938.



The words "Dutch-Oven Bread" are disclaimed apart from the mark.
For Bread.
Claims use since Oct. 27, 1936.

CLASS 47

Wines

Ser. No. 391,774. L. N. RENAULT & SONS, INC., Egg Harbor City, N. J. Filed Apr. 23, 1937.

"FRENCH 75"

The word "French" is disclaimed apart from the mark.
For Wines.
Claims use since Dec. 2, 1936.

Ser. No. 411,178. NATIONAL GRAPE CORPORATION, Brocton, N. Y. Filed Oct. 1, 1938.

Peerage

For Port, Cocktail Sherry, and Other Sherries.
Claims use since Oct. 3, 1935.

Ser. No. 411,386. SOCIETE ST.-RAPHAEL, SOCIETE ANONYME, Paris, France. Filed Oct. 7, 1938.



The outline of the label and all notations except "St. Raphael", are disclaimed apart from the mark.
For Apéritif Wine.
Claims use since May 6, 1938.

Ser. No. 411,387. SOCIETE ST.-RAPHAEL, SOCIETE ANONYME, Paris, France. Filed Oct. 7, 1938.



The outline of the label and all notations except "Raphael", "St. Raphael", and "The St. Raphael Co." are disclaimed apart from the mark.
For Apéritif Wine.
Claims use since May 6, 1938.

CLASS 48

Malt Beverages and Liquors

Ser. No. 401,717. AJAX BREWING CORPORATION, Indianapolis, Ind. Filed Jan. 10, 1938.

AJAX

For Beer.
Claims use since Jan. 2, 1938.

Ser. No. 411,637. IND COOPE & ALLSOPP, LIMITED, London and Burton-on-Trent, England. Filed Oct. 15, 1938.



For Beer.
Claims use since 1863.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 399,855. THE PACIFIC BOTTLERS' SUPPLY COMPANY, Seattle, Wash. Filed Nov. 17, 1937.



The words "Vancouver" and "Club" are each disclaimed apart from the mark.
For Whiskey.
Claims use since Oct. 15, 1937.

Ser. No. 401,550. BELLE MEADE PRODUCTS COMPANY, INC., Belle Meade, Va. Filed Jan. 5, 1938.

Belle Meade

VALLEY

Belle Meade is the name of a notorious spy working for the Confederacy in the Civil War.
For Whiskey.
Claims use since Dec. 13, 1937.

Ser. No. 410,090. T. W. SAMUELS DISTILLERY, INC., Deatsville, Ky. Filed Aug. 29, 1938. Under 10-year proviso as to the name "Samuels".

Samuels

FOUR DECADES

For Kentucky Straight Bourbon Whiskey.
Claims use since June 25, 1938; since 1844 for the name "Samuels".

Ser. No. 410,347. JOHN A. WATHEN DISTILLERY COMPANY, Louisville and Lebanon, Ky. Filed Sept. 7, 1938.



The words "Gold Label", the representation of a label colored gold, and the outline of the label per se are claimed only as shown.
For Bourbon Whiskey.
Claims use since Sept. 2, 1938.

Ser. No. 411,313. T. W. SAMUELS DISTILLERY, INC., Deatsville, Ky. Filed Oct. 5, 1938.



For Whiskey.
Claims use since February, 1935.

Ser. No. 411,397. THE BALTIMORE PURE RYE DISTILLING COMPANY, Dundalk, Md. Filed Oct. 8, 1938.



No claim is made to the words "The", "Sign", "Of", "Good", "Whiskey" except as in the entirety.
For Pure Rye Whiskey.
Claims use since Oct. 1, 1938.

Ser. No. 411,723. SUCRS. DE JOSÉ FERNÁNDEZ, S. EN C., San Juan, Puerto Rico. Filed Oct. 17, 1938.

RON COLOSO

No claim is made to the word "Ron".
For Rum.
Claims use since Apr. 1, 1938.

Ser. No. 411,863. A. K. HAMILTON & CO., INC., New York, N. Y. Filed Oct. 21, 1938.

HAMILTON HOUSE





No claim is made to the words "New York, N. Y." apart from the mark.
For Whiskey, Gin, Brandy, Cognac, and Alcoholic Cordials.
Claims use since Aug. 26, 1938.

Ser. No. 411,867. DANT & HEAD DISTILLING COMPANY, Louisville and Gethsemane, Ky. Filed Oct. 21, 1938.

Dant and Head

For Whiskey.
Claims use since Mar. 7, 1938.

Ser. No. 412,252. DUROCH LIMITED, INC., Philadelphia, Pa. Filed Nov. 1, 1938.



For Scotch Whiskey.
Claims use since Aug. 11, 1938.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 409,356. GRAEF-COWEN CORPORATION, Allentown, Pa. Filed Aug. 8, 1938.

SWAT-HI

For Fly Swatters.
Claims use since Dec. 10, 1937.

Ser. No. 410,831. CORY-PATTERSON MFG. COMPANY, Greenfield, Ohio. Filed Sept. 21, 1938. Under 10-year proviso.

BROWDER

For Life Saving Nets and Supports Therefor.
Claims use since Jan. 1, 1887.

Ser. No. 410,959. KAPLAN BROS., New York, N. Y. Filed Sept. 24, 1938.

A-TISKET A-TASKET

For Artificial Flowers for Room or Window Display Purposes Sold in Pots and Baskets.
Claims use since Sept. 15, 1938.

Ser. No. 411,634. JOHN G. GUEOVJIAN, New York, N. Y. Filed Oct. 15, 1938.

GRAFA-TONE

Applicant disclaims the word "Tone" except as shown.
For Half-Tone Screens.
Claims use since May 10, 1932.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

DECEMBER 13, 1938

363,033. VEGETABLE PREPARATION COMPRISING DEHYDRATED VEGETABLES RICH IN POTASSIUM, INCLUDING CARROTS, PARSLEY, ONIONS, SPINACH, CELERY, BEETS, LETTUCE, AND TURNIP LEAVES. MODERN HEALTH PRODUCTS, INC., Milwaukee, Wis., now by change of name Modern Diet Products, Inc., a corporation of Delaware.
Filed June 17, 1935. Serial No. 366,290. PUBLISHED OCTOBER 4, 1938. Class 46.

363,034. WHISKEY, GIN, RUM, BRANDY, COGNAC, AND ALCOHOLIC CORDIALS. HENRY KELLY & SONS, INCORPORATED, New York, N. Y., assignor to Continental Distilling Corporation, Philadelphia, Pa., a corporation of Delaware.
Filed January 21, 1936. Serial No. 373,924. PUBLISHED MARCH 10, 1936. Class 49.

363,035. POWDERED MATERIAL FOR USE IN COATING, FILLING, OR TREATING PRINTING PAPER. A. M. MEINCKE & SON, INC., Chicago, Ill.
Filed March 9, 1936. Serial No. 375,769. PUBLISHED JUNE 28, 1938. Class 6.

363,036. METAL FURNITURE, COMPRISING CHAIRS, TABLES, SETTEES, STANDS, AND COMBINATION TRAY-TOP STANDS. ROYAL METAL MANUFACTURING CO., Chicago, Ill.
Filed April 27, 1936. Serial No. 377,722. PUBLISHED SEPTEMBER 20, 1938. Class 32.

363,037. HAIR GROWER. ARCHER'S HAIR GROWER, doing business as H. C. Laboratory, Borger, Tex.
Filed July 2, 1936. Serial No. 380,493. PUBLISHED SEPTEMBER 27, 1938. Class 6.

363,038. LAXATIVES AND DENTIFRICES. MARTIN W. PRETORIUS, Burbank, Calif.
Filed January 11, 1937. Serial No. 387,678. PUBLISHED SEPTEMBER 20, 1938. Class 6.

363,039. PREPARED HEALTH FOODS—NAMELY, PREPARATIONS OF DEHYDRATED VEGETABLES CONTAINING VITAMINS AND SALTS. MARTIN W. PRETORIUS, Burbank, Calif.
Filed January 11, 1937. Serial No. 387,679. PUBLISHED OCTOBER 4, 1938. Class 46.

363,040. PORTABLE INSECTICIDE SPRAYING MACHINES. DUNCAN ARCHIBALD MCEACHERN, West Chester, Pa.
Filed February 10, 1937. Serial No. 388,707. PUBLISHED OCTOBER 26, 1937. Class 23.

363,041. ANTIGEN FOR THE PREVENTION OF BLACKLEG IN CATTLE. CUTTER LABORATORIES, Berkeley, Calif.
Filed March 29, 1937. Serial No. 390,632. PUBLISHED DECEMBER 14, 1937. Class 6.

363,042. CONCENTRATED DEHYDRATED FOOD PRODUCT IN BOTH POWDER AND TABLET FORM FOR MAKING A MILK BEVERAGE AND OTHER NON-ALCOHOLIC FOOD DRINKS. GEORGE MAURICE BARTLETT, doing business as Kevo Co., Azusa, Calif.
Filed May 22, 1937. Serial No. 393,108. PUBLISHED AUGUST 3, 1937. Class 46.

363,043. NAIL TINT, NAIL WHITE, NAIL TINT (OILY) REMOVER, NICOTINE REMOVER, AND HAND LOTION. MARY DARE, INC., New York, N. Y.
Filed May 28, 1937. Serial No. 393,368. PUBLISHED SEPTEMBER 20, 1938. Class 6.

363,044. WINES. ITALIAN SWISS COLONY, San Francisco, Calif.
Filed June 28, 1937. Serial No 394,606. PUBLISHED SEPTEMBER 21, 1937. Class 47.

363,045. WINES. ITALIAN SWISS COLONY, San Francisco, Calif.
Filed June 28, 1937. Serial No. 394,609. PUBLISHED SEPTEMBER 21, 1937. Class 47.

363,046. GREETING CARDS, SINGLY OR IN ASSORTMENTS OR PACKAGES. THE GIBSON ART COMPANY, Cincinnati, Ohio.
Filed July 9, 1937. Serial No. 395,036. PUBLISHED SEPTEMBER 27, 1938. Class 38.

363,047. GLASS AND COMBINATION GLASS AND METAL GLOBES AND REFLECTORS. HOLOPHANE COMPANY, INC., New York, N. Y.
Filed July 22, 1937. Serial No. 395,527. PUBLISHED OCTOBER 4, 1938. Class 34.

363,048. FUSES AND CIRCUIT MAKERS AND BREAKERS. MCGRAW ELECTRIC COMPANY, Chicago, Ill., and St. Louis, Mo.
Filed July 30, 1937. Serial No. 395,743. PUBLISHED OCTOBER 4, 1938. Class 21.

363,049. A RECONSTRUCTIVE TONIC IN SOLID PILL OR TABLET FORM CONTAINING VITAMINS A-B-D-G. MANUEL P. PERRIZ, doing business as Vitalex Laboratories, Buffalo, N. Y.
Filed August 26, 1937. Serial No. 396,781. PUBLISHED NOVEMBER 23, 1937. Class 6.

363,050. ORAL POLLEN ANTIGEN USED IN THE TREATMENT OF HAY-FEVER, POLLEN ASTHMA, AND ALL FORMS OF POLLENOSIS OR CONDITIONS CAUSED BY POLLENS. EUGENE A. GATTERDAM, Phoenix, Ariz.
Filed September 4, 1937. Serial No. 397,114. PUBLISHED OCTOBER 4, 1938. Class 6.

363,051. LIVESTOCK FEED, POULTRY FEED, RABBIT FEED, AND FOOD FOR FOXES AND OTHER CARNIVOROUS ANIMALS. KELLOGG COMPANY, Battle Creek, Mich.
Filed September 18, 1937. Serial No. 397,538. PUBLISHED OCTOBER 4, 1938. Class 46.

363,052. UNWROUGHT AND PARTLY WROUGHT METALS, AND STAMPINGS, FORGINGS, DIE CASTINGS, SAND CASTINGS, AND EXTRUDED SECTIONS ALL OF ORDINARY METAL OTHER THAN TUNGSTEN, MOLYBDENUM, OR ALLOYS OR COMPOSITIONS THEREOF. HIGH DUTY ALLOYS LIMITED, Slough, England.
Filed September 21, 1937. Serial No. 397,617. PUBLISHED NOVEMBER 16, 1937. Class 14.

363,053. UPHOLSTERED FURNITURE—NAMELY, CHAIRS, DAVENPORTS, SOFAS, COUCHES, STOOLS, DIVANS, SEATS. BARKER BROS., INCORPORATED, Los Angeles, Calif.
Filed October 2, 1937. Serial No. 398,033. PUBLISHED JANUARY 18, 1938. Class 32.

363,054. ACCORDIONS. C. G. CONN, LTD., Elkhart, Ind.
Filed October 16, 1937. Serial No. 398,558. PUBLISHED OCTOBER 4, 1938. Class 36.

363,055. ALIMENTARY PASTES. TRAFICANTI BROTHERS, Chicago, Ill.
Filed October 29, 1937. Serial No. 399,113. PUBLISHED OCTOBER 4, 1938. Class 46.

363,056. ENAMELED WARE—NAMELY, REFRIGERATOR PANS, BASKET COOKERS, VEGETABLE COOKERS, MACARONI COOKERS, DISH PANS, CEREAL COOKERS, BROWNING PANS, OPEN SAUCE PANS, COVERED SAUCE PANS, COVERED CASSEROLES, AND ROASTERS. COLUMBIAN ENAMELING & STAMPING CO., INC., Terre Haute, Ind.
Filed November 15, 1937. Serial No. 399,746. PUBLISHED OCTOBER 4, 1938. Class 13.

363,057. DIRECTIONAL ELECTRIC LIGHT SIGNALLING SYSTEMS FOR VEHICLES, AND PARTS OF THE SAME, SUCH AS AUTOMATIC STEERING GEAR SWITCHES, MANUAL SWITCHES, PILOT LAMPS, ETC. ERNEST H. KUEFFER, Oakland, Calif.
Filed November 22, 1937. Serial No. 400,016. PUBLISHED MARCH 1, 1938. Class 21.

363,058. HAIR COLORING PREPARATION KNOWN AS OIL SHAMPOO TINT. MARY TIERNAN, doing business as General Beautilities, New York, N. Y., assignor to George Kremer, Sr., New York, N. Y.
Filed November 26, 1937. Serial No. 400,175. PUBLISHED FEBRUARY 1, 1938. Class 6.

363,059. SHEET MUSIC. THEODORE S. FIORITO, Newark, N. J.
Filed December 10, 1937. Serial No. 400,705. PUBLISHED OCTOBER 4, 1938. Class 38.

363,060. RADIO FREQUENCY AND AUDIO FREQUENCY TRANSMITTING AND RECEIVING APPARATUS AND PARTS THEREOF. ZENITH RADIO CORPORATION, Chicago, Ill.
Filed December 3, 1937. Serial No. 400,443. PUBLISHED MAY 10, 1938. Class 21.

363,061. PHARMACEUTICAL PREPARATIONS SUCH AS GERMICIDES, ETC. THE DAYTON LABORATORIES, INCORPORATED, Dayton, Ohio.
Filed December 23, 1937. Serial No. 401,179. PUBLISHED SEPTEMBER 20, 1938. Class 6.

363,062. ELECTRIC TOASTERS, WAFFLE IRONS, AND GRILLS. STERN-BROWN, INC., New York, N. Y.
Filed December 27, 1937. Serial No. 401,280. PUBLISHED OCTOBER 4, 1938. Class 21.

363,063. ASTRINGENTS AND ANTISEPTIC SOLUTIONS FOR DENTAL PURPOSES. THE RAYBALT CO., Los Angeles, Calif.
Filed January 3, 1938. Serial No. 401,508. PUBLISHED SEPTEMBER 27, 1938. Class 6.

363,064. COLD WATER PAINTS, PAINT ENAMELS, VARNISHES, LACQUERS, STAINS, FLAT PAINT, AND STIPPLED PAINT. I. S. CRANE, INC., doing business as The Lit Company, Chicago, Ill.
Filed January 17, 1938. Serial No. 401,988. PUBLISHED OCTOBER 4, 1938. Class 16.

363,065. RADIO FREQUENCY AND AUDIO FREQUENCY TRANSMITTING AND RECEIVING APPARATUS AND PARTS THEREOF. ZENITH RADIO CORPORATION, Chicago, Ill.
Filed January 17, 1938. Serial No. 402,042. PUBLISHED MAY 10, 1938. Class 21.

363,066. RADIO FREQUENCY AND AUDIO FREQUENCY TRANSMITTING AND RECEIVING APPARATUS AND PARTS THEREOF. ZENITH RADIO CORPORATION, Chicago, Ill.
Filed January 17, 1938. Serial No. 402,043. PUBLISHED MAY 10, 1938. Class 21.

363,067. CHEWING GUM. WM. WRIGLEY JR. COMPANY, Chicago, Ill.
Filed January 19, 1938. Serial No. 402,107. PUBLISHED SEPTEMBER 27, 1938. Class 46.

363,068. CHEWING GUM. WM. WRIGLEY JR. COMPANY, Chicago, Ill.
Filed January 19, 1938. Serial No. 402,109. PUBLISHED SEPTEMBER 27, 1938. Class 46.

363,069. DOG FOOD. HUNTER PACKING COMPANY, East St. Louis, Ill.
Filed January 21, 1938. Serial No. 402,186. PUBLISHED OCTOBER 4, 1938. Class 46.

363,070. RADIO FREQUENCY AND AUDIO FREQUENCY TRANSMITTING AND RECEIVING APPARATUS AND PARTS THEREOF. ZENITH RADIO CORPORATION, Chicago, Ill.
Filed January 21, 1938. Serial No. 402,210. PUBLISHED MAY 10, 1938. Class 21.

363,071. MACHINES FOR PUNCHING, SHEARING, NOTCHING, AND COPING PLATES AND STRUCTURAL SHAPES. HENRY PELS & COMPANY, INC., New York, N. Y.
Filed January 24, 1938. Serial No. 402,273. PUBLISHED OCTOBER 4, 1938. Class 23.

363,072. RADIO FREQUENCY AND AUDIO FREQUENCY TRANSMITTING AND RECEIVING APPARATUS AND PARTS THEREOF. ZENITH RADIO CORPORATION, Chicago, Ill.
Filed January 26, 1938. Serial No. 402,356. PUBLISHED JULY 5, 1938. Class 21.

363,073. LEAD PRODUCTS—NAMELY, PIG LEAD, BAR LEAD, LEAD WOOL, CAME LEAD, LEAD WIRE, SHEET LEAD, CALKING LEAD, SOLDER, BABBITT METAL, AND TYPE METALS. NORTHWEST LEAD COMPANY, Seattle, Wash.
Filed January 28, 1938. Serial No. 402,437. PUBLISHED SEPTEMBER 27, 1938. Class 14.

363,074. VEHICLE ROAD OR FOG LAMPS ELECTRICALLY POWERED. THE ANDERSON COMPANY, Gary, Ind.
Filed January 29, 1938. Serial No. 402,459. PUBLISHED OCTOBER 4, 1938. Class 21.

363,075. CONCENTRATED SEA VEGETABLE FOOD IN POWDER FORM TO BE USED AS A SEASONING. IRVIN LAMBERT, New York, N. Y.
Filed February 7, 1938. Serial No. 402,779. PUBLISHED OCTOBER 4, 1938. Class 46.

363,076. MEDICINAL PRODUCTS FOR PROSTATIC AILMENTS. ARNOLD URVATER, Paris, France.
Filed February 9, 1938. Serial No. 402,878. PUBLISHED SEPTEMBER 20, 1938. Class 6.

363,077. COLLAPSIBLE TRUCK TOPS. FULTON BAG & COTTON MILLS, Atlanta, Ga.
Filed March 11, 1938. Serial No. 403,943. PUBLISHED OCTOBER 4, 1938. Class 19.

363,078. LIQUID COMPOUND FOR THE ELIMINATION AND PREVENTION OF RUST, SCALE, CORROSION, AND CONGESTION IN BOILERS, ETC. THE NORTH AMERICAN FIBRE PRODUCTS COMPANY, Cleveland, Ohio.
Filed March 12, 1938. Serial No. 404,011. PUBLISHED SEPTEMBER 27, 1938. Class 6.

363,079. TOILETTE WATER. HELENA RUBINSTEIN, INC., New York, N. Y.
Filed March 14, 1938. Serial No. 404,058. PUBLISHED SEPTEMBER 27, 1938. Class 6.

363,080. SILK, ACETATES, WOOLEN, WORSTED, LINEN, TROPICAL, AND RAYON PIECE GOODS. GROSS-SYDNEY INC., New York, N. Y.
Filed March 18, 1938. Serial No. 404,217. PUBLISHED OCTOBER 4, 1938. Class 42.

363,081. SAFETY RAZORS AND SAFETY RAZOR BLADES. AMERICAN SAFETY RAZOR CORPORATION, Brooklyn, N. Y.
Filed March 19, 1938. Serial No. 404,243. PUBLISHED OCTOBER 4, 1938. Class 23.

363,082. MINERAL OIL, RUBBING ALCOHOL COMPOUND, MILK OF MAGNESIA (TABLETS AND LIQUID), COD LIVER OIL, ETC. NATIONAL PACKAGE DRUGS, INC., St. Louis, Mo.
Filed March 19, 1938. Serial No. 404,259. PUBLISHED OCTOBER 4, 1938. Class 6.

363,083. BASE METAL TABLE WARE—NAMELY, SERVING PLATES, TRAYS, SALAD BOWLS, RELISH DISHES, FRUIT BOWLS, WATER PITCHERS, AND ICE TUMBLERS. STERLING BRONZE COMPANY, INC., Long Island City, N. Y.
Filed March 31, 1938. Serial No. 404,729. PUBLISHED SEPTEMBER 27, 1938. Class 2.

363,084. ICE CREAM MIXES, CANNED FRUITS, CANNED VEGETABLES, MACAROONS, COFFEE, PUDDINGS, CRACKERS, CANNED SOUPS, COCOA, CANNED SHELL FISH, SAUSAGES, CONDENSED MILK, AND TOAST. R. H. MACY & CO., INC., New York, N. Y.
Filed April 12, 1938. Serial No. 405,170. PUBLISHED OCTOBER 4, 1938. Class 46.

363,085. PERFUMES, COLOGNES, TOILET WATER, FACE POWDERS, DUSTING POWDERS, SACHETS, AND COMPACTS OF ROUGE, POWDER, AND LIPSTICKS. GUY T. GIBSON, INC., New York, N. Y.
Filed April 13, 1938. Serial No. 405,205. PUBLISHED MAY 24, 1938. Class 6.

363,086. GENERAL TONIC. S. A. REINA, doing business as Salva-Gene Chemical Laboratory, San Francisco, Calif.
Filed April 13, 1938. Serial No. 405,223. PUBLISHED SEPTEMBER 27, 1938. Class 6.

363,087. DATE CONFECTIONS IN CANDY OR BAR FORM. C. ROY HUNTER, doing business as Royal Date Gardens, Indio, Calif.
Filed April 15, 1938. Serial No. 405,300. PUBLISHED OCTOBER 4, 1938. Class 46.

363,088. FACIAL POWDER. RUTH A. MYERS, New York, N. Y.
Filed April 14, 1938. Serial No. 405,333. PUBLISHED OCTOBER 4, 1938. Class 6.

363,089. ANTI PERSPIRANT AND DEODORANT. ASSOCIATED DISTRIBUTORS, INC., Chicago, Ill.
Filed April 22, 1938. Serial No. 405,585. PUBLISHED JUNE 14, 1938. Class 6.

363,090. NEWSPAPER ARTICLES PUBLISHED IN NEWSPAPERS. GENERAL MILLS, INC., Minneapolis, Minn.
Filed April 23, 1938. Serial No. 405,637. PUBLISHED SEPTEMBER 27, 1938. Class 38.

363,091. NEWSPAPER ARTICLES PUBLISHED IN NEWSPAPERS. GENERAL MILLS, INC., Minneapolis, Minn.
Filed April 23, 1938. Serial No. 405,638. PUBLISHED SEPTEMBER 27, 1938. Class 38.

363,092. SHOTGUNS. WILLIS G. C. KIMBALL, doing business as The Kimball Arms Company, Woburn, Mass.
Filed April 26, 1938. Serial No. 405,728. PUBLISHED SEPTEMBER 27, 1938. Class 9.

363,093. WHEAT FLOUR. ROYAL FLOUR COMPANY, doing business as Liberty Mills, Nashville, Tenn.
Filed April 18, 1938. Serial No. 405,746. PUBLISHED OCTOBER 4, 1938. Class 46.

363,094. PLASTICIZING COMPOUND AND DEFOAMER. NATIONAL OIL PRODUCTS COMPANY, Harrison, N. J.
Filed April 28, 1938. Serial No. 405,817. PUBLISHED SEPTEMBER 20, 1938. Class 6.

363,095. PERIODICAL PUBLICATION. PICOT LABORATORIES, INC., Wilmington, Del.
Filed May 3, 1938. Serial No. 405,969. PUBLISHED OCTOBER 4, 1938. Class 38.

363,096. HEALING LIQUID OR CREAM FOR SKIN DISORDERS. HELEN BENDEL DICK, Huntington, Ind.
Filed May 6, 1938. Serial No. 406,050. PUBLISHED OCTOBER 4, 1938. Class 6.

363,097. BREAKFAST CEREALS. HUGH TEBAULT & COMPANY, INC., New York, N. Y.
Filed May 7, 1938. Serial No. 406,106. PUBLISHED JUNE 28, 1938. Class 46.

363,098. PUBLICATION PUBLISHED FROM TIME TO TIME. CHILTON COMPANY, Philadelphia, Pa.
Filed May 10, 1938. Serial No. 406,177. PUBLISHED SEPTEMBER 27, 1938. Class 38.

363,099. SILK, ACETATES, WOOLEN, WORSTED, LINEN, TROPICAL, AND RAYON PIECE GOODS. GROSS-SYDNEY INC., New York, N. Y.
Filed May 13, 1938. Serial No. 406,289. PUBLISHED OCTOBER 4, 1938. Class 42.

363,100. SHAMPOOING LIQUID. LUCILLE BUCHAN, doing business as The Nawa Company, Washington, D. C.
Filed May 17, 1938. Serial No. 406,417. PUBLISHED SEPTEMBER 27, 1938. Class 6.

363,101. ASPIRIN FORTIFIED WITH VITAMINS. SAMUEL KLEIN, Newark, N. J.
Filed May 19, 1938. Serial No. 406,515. PUBLISHED SEPTEMBER 20, 1938. Class 6.

363,102. PHOTOGRAPH ALBUMS, PHOTOGRAPHIC MOUNTS, AND FILM AND COIN CARRIERS. MEMRILANE STUDIOS, New York, N. Y.
Filed May 24, 1938. Serial No. 406,689. PUBLISHED OCTOBER 4, 1938. Class 37.

363,103. COMPLEX COLLOID-LIKE, ANTISEPTIC, ASTRINGENT, BACTERICIDAL, DEHYDRATING, STYPTIC, PHARMACEUTICAL PREPARATION IN LIQUID, OINTMENT, TABLET, AND POWDER FORM. URBAIN JULES THIAU, Paris, France.
Filed May 25, 1938. Serial No. 406,738. PUBLISHED SEPTEMBER 27, 1938. Class 6.

363,104. FIBERBOARD CARTONS. FIBREBOARD PRODUCTS INC., San Francisco, Calif.
Filed May 27, 1938. Serial No. 406,803. PUBLISHED SEPTEMBER 27, 1938. Class 2.

363,105. TONGS USED FOR HOLDING ROASTS FIRMLY IN PLACE WHILE CARVING THEM. THE RICHTER & PHILLIPS COMPANY, Cincinnati, Ohio.
Filed May 21, 1938. Serial No. 406,847. PUBLISHED OCTOBER 4, 1938. Class 23.

363,106. PLAITED SHEET MATERIAL OF PAPER, METAL FOIL, OR OTHER MATERIALS FOR DECORATIVE AND OTHER USES. ELB PRODUCTS, INC., New York, N. Y.
Filed May 28, 1938. Serial No. 406,858. PUBLISHED OCTOBER 4, 1938. Class 37.

363,107. WINES. GRIERSON, OLDHAM & COMPANY LIMITED, London, England.
Filed May 28, 1938. Serial No. 406,863. PUBLISHED OCTOBER 4, 1938. Class 47.

363,108. CANNED VEGETABLES. HILLSBORO-QUEEN ANNE COOPERATIVE CORP., Baltimore, Md.
Filed June 1, 1938. Serial No. 406,973. PUBLISHED OCTOBER 4, 1938. Class 46.

363,109. SOAP PRODUCT FOR GENERAL CLEANING PURPOSES, ESPECIALLY FOR CLEANING WOODWORK, WALLS, BATH TUBS, AND SINKS. JAMES BROWN, Mount Vernon, Ohio.
Filed June 2, 1938. Serial No. 407,004. PUBLISHED OCTOBER 4, 1938. Class 4.

363,110. PRODUCT FOR USE IN THE TREATMENT OF HEMORRHAGE AND PARTICULARLY OF UTERINE HEMORRHAGE. LUCIEN PICARD, Paris, France.
Filed June 2, 1938. Serial No. 407,029. PUBLISHED SEPTEMBER 20, 1938. Class 6.

363,111. CHEESE MAKING COAGULATOR. V. H. SCHLICHTING, doing business as The Uni-Kurd Company, Park Ridge, Ill.
Filed June 2, 1938. Serial No. 407,033. PUBLISHED SEPTEMBER 20, 1938. Class 6.

363,112. POTTERY WARE—NAMELY, TEA POTS, CUPS AND SAUCERS, MIXING BOWLS, CASSEROLES, AND PLATES. THE MORTON POTTERY CO., Morton, Ill.
Filed June 6, 1938. Serial No. 407,154. PUBLISHED OCTOBER 4, 1938. Class 30.

363,113. AUTOMOBILE STORAGE BATTERIES. BRAXTON MOTOR COMPANY, Sutton, W. Va.
Filed June 6, 1938. Serial No. 407,175. PUBLISHED OCTOBER 4, 1938. Class 21.

363,114. PREPARATION FOR THE TREATMENT OF ASTHMA AND BRONCHIAL AILMENTS. ERBAMINT COMPANY, St. Paul, Minn.
Filed June 7, 1938. Serial No. 407,182. PUBLISHED SEPTEMBER 20, 1938. Class 6.

363,115. PREPARATION FOR BATH. THE HOUSE OF PINE, INC., New York, N. Y.
Filed June 9, 1938. Serial No. 407,267. PUBLISHED SEPTEMBER 20, 1938. Class 6.

363,116. LIQUID COLD PREPARATION. LIQUOCOLD CORPORATION, Los Angeles, Calif.
Filed June 11, 1938. Serial No. 407,379. PUBLISHED SEPTEMBER 27, 1938. Class 6.

363,117. WHOLE WHEAT CEREAL. NATIONAL BISCUIT COMPANY, New York, N. Y.
Filed June 11, 1938. Serial No. 407,383. PUBLISHED OCTOBER 4, 1938. Class 46.

363,118. BOTANICAL PREPARATION OF PLANTS, ROOTS, HERBS, AND BARKS AS A VITAMINIZED TONIC HAVING LAXATIVE, STOMACHIC, DIURETIC, AND ALTERATIVE PROPERTIES. EDWARD P. LANGLEY, doing business as Len-Ola Laboratories, New York, N. Y.
Filed June 13, 1938. Serial No. 407,437. PUBLISHED SEPTEMBER 20, 1938. Class 6.

363,119. FACIAL PREPARATION — NAMELY, A BEAUTY MASK. SALVATORE SAMUEL GRECO, Hawthorne, Calif.
Filed June 13, 1938. Serial No. 407,479. PUBLISHED OCTOBER 4, 1938. Class 6.

363,120. MAGAZINE DEPARTMENT PUBLISHED YEARLY. HEARST MAGAZINES, INC., New York, N. Y.
Filed June 16, 1938. Serial No. 407,543. PUBLISHED AUGUST 9, 1938. Class 38.

363,121. BONDS, SHARE WARRANTS, POSTAGE AND REVENUE STAMPS; AND PRINTED LABELS AND TICKETS SOLD AS SUCH. WATERLOW & SONS LIMITED, London, England.
Filed June 17, 1938. Serial No. 407,613. PUBLISHED OCTOBER 4, 1938. Class 38.

363,122. MOTH EXTERMINATING AND DEODORIZING MATERIAL IN BLOCK, CAKE, STICK, CRYSTAL, AND NUGGET FORMS. SIDNEY J. EVANS, doing business as Evans Manufacturing Company, Cleveland, Ohio.
Filed June 18, 1938. Serial No. 407,628. PUBLISHED SEPTEMBER 27, 1938. Class 6.

363,123. LIVESTOCK FEEDS. ALLIED MILLS, INC., Chicago, Ill.
Filed June 20, 1938. Serial No. 407,652. PUBLISHED OCTOBER 4, 1938. Class 46.

363,124. TRUNKS AND TRAVELING BAGS AND CASES. JACOB NEUMANN, doing business as Crown Luggage Co., Baltimore, Md.
Filed June 20, 1938. Serial No. 407,680. PUBLISHED OCTOBER 4, 1938. Class 3.

363,125. POTTERY VASES OR JARS FOR USE BY FLORISTS FOR DISPLAYING, VENDING, AND DELIVERING FLOWERS. THE SCIO-OHIO POTTERY COMPANY, Scio, Ohio.
Filed June 13, 1938. Serial No. 407,704. PUBLISHED OCTOBER 4, 1938. Class 30.

363,126. EFFERVESCENT SALT. HORATIO LOCKE, doing business as Locke Laboratories, Monticello, Ill.
Filed June 22, 1938. Serial No. 407,758. PUBLISHED SEPTEMBER 20, 1938. Class 6.

363,127. WRITING PAPER AND ENVELOPES, ENVELOPES FOR GREETING CARDS, AND PAPETERIE PACKAGES. UNITED STATES ENVELOPE COMPANY, Springfield, Mass.
Filed June 23, 1938. Serial No. 407,829. PUBLISHED OCTOBER 4, 1938. Class 37.

363,128. CRACKERS. BRIGHT BISCUIT COMPANY, INC., Kansas City, Kans.
Filed June 24, 1938. Serial No. 407,848. PUBLISHED OCTOBER 4, 1938. Class 46.

363,129. FOOD SAUCE FOR USE ON MEATS, SEAFOODS, AND VEGETABLES. CHARLES W. ARMSTRONG, Malone, N. Y.
Filed June 27, 1938. Serial No. 407,933. PUBLISHED OCTOBER 4, 1938. Class 46.

363,130. ANTERIOR PITUITARY-LIKE SEX HORMONE. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed June 27, 1938. Serial No. 407,960. PUBLISHED SEPTEMBER 27, 1938. Class 6.

363,131. CHEMICAL PREPARATION IN PASTE FORM USED AS A SPRAY AND WINTER TREATMENT FOR FRUIT AND OTHER TREES AND AS A FUNGICIDE AND INSECTICIDE IN CONNECTION WITH SUCH TREATMENT. STANDARD CHEMICAL PRODUCTS, INC., Hoboken, N. J.
Filed June 28, 1938. Serial No. 407,993. PUBLISHED SEPTEMBER 27, 1938. Class 6.

363,132. CHEMICAL PREPARATION IN PASTE FORM USED AS A SPRAY FOR THE DESTRUCTION OF WEEDS. STANDARD CHEMICAL PRODUCTS, INC., Hoboken, N. J.
Filed June 28, 1938. Serial No. 407,994. PUBLISHED SEPTEMBER 20, 1938. Class 6.

363,133. PERIODICAL PUBLICATION. EQUIPMENT DIGEST PUBLISHING COMPANY, Cleveland, Ohio.
Filed June 29, 1938. Serial No. 408,013. PUBLISHED SEPTEMBER 27, 1938. Class 38.

363,134. PREPARATION TO BE APPLIED TO THE HANDS AS A SKIN PROTECTOR AND CLEANSING AID. RAYMOND S. SPINELLI, doing business as Glov-Kote Co., Chicago, Ill.
Filed June 29, 1938. Serial No. 408,032. PUBLISHED SEPTEMBER 20, 1938. Class 6.

363,135. MAGAZINE SECTION TO BE PUBLISHED BIMONTHLY. AMBROSE BOWYER, Chicago, Ill.
Filed June 30, 1938. Serial No. 408,041. PUBLISHED SEPTEMBER 27, 1938. Class 38.

363,136. MOTH REPELLING AND DESTROYING PREPARATIONS. KARL BECK, Treuchtlingen, Germany.
Filed July 1, 1938. Serial No. 408,089. PUBLISHED SEPTEMBER 27, 1938. Class 6.

363,137. VENT SEALS FOR STORAGE TANKS. LION MANUFACTURING CORPORATION, Chicago, Ill.
Filed July 1, 1938. Serial No. 408,115. PUBLISHED OCTOBER 4, 1938. Class 13.

363,138. MOTH PROOFED WOOLEN TEXTILE FABRICS IN THE PIECE. WM. A. ROTHHOLZ CO., INC., New York, N. Y.
Filed July 1, 1938. Serial No. 408,134. PUBLISHED OCTOBER 4, 1938. Class 42.

363,139. COLOR MIXING AND MEASURING MACHINE. ACME WHITE LEAD AND COLOR WORKS, Detroit, Mich.
Filed July 2, 1938. Serial No. 408,145. PUBLISHED OCTOBER 4, 1938. Class 26.

363,140. MILK SUGAR. THE BORDEN COMPANY, New York, N. Y.
Filed July 2, 1938. Serial No. 408,152. PUBLISHED SEPTEMBER 27, 1938. Class 6.

363,141. OLIVE OIL SOAP. MARY SCOTT ROWLAND, LTD., New York, N. Y.
Filed July 5, 1938. Serial No. 408,208. PUBLISHED OCTOBER 4, 1938. Class 4.

363,142. PRINTING PAPER AND WRITING PAPER. THE SORG PAPER CO., Middletown, Ohio.
Filed July 5, 1938. Serial No. 408,211. PUBLISHED OCTOBER 4, 1938. Class 37.

363,143. SMOKING AND CHEWING TOBACCO. RICHARD R. TOBIN, doing business as R. R. Tobin Tobacco Co., Detroit, Mich.
Filed July 5, 1938. Serial No. 408,220. PUBLISHED OCTOBER 4, 1938. Class 17.

363,144. BATTERY COMPOUNDS FOR REJUVENATING BATTERIES. E. L. WILSON, Jamaica, N. Y.
Filed July 6, 1938. Serial No. 408,228. PUBLISHED SEPTEMBER 20, 1938. Class 6.

363,145. DESK LAMPS, TABLE LAMPS, BOUDOIR LAMPS, COMMODE LAMPS, CANDLESTICKS, AND LIGHTING URNS, ALL BEING ELECTRICAL. DAVART INCORPORATED, New York, N. Y.
Filed July 6, 1938. Serial No. 408,235. PUBLISHED OCTOBER 4, 1938. Class 21.

363,146. WRAPPING PAPER. CENTRAL PAPER CO., INC., Muskegon, Mich.
Filed July 7, 1938. Serial No. 408,264. PUBLISHED OCTOBER 4, 1938. Class 37.

363,147. WRAPPING PAPER. CENTRAL PAPER CO., INC., Muskegon, Mich.
Filed July 7, 1938. Serial No. 408,265. PUBLISHED OCTOBER 4, 1938. Class 37.

363,148. WRAPPING PAPER. CENTRAL PAPER CO., INC., Muskegon, Mich.
Filed July 7, 1938. Serial No. 408,266. PUBLISHED OCTOBER 4, 1938. Class 37.

363,149. PHARMACEUTICAL PREPARATION FOR THE TREATMENT OF CHRONIC CONSTIPATION, COPROSTASIS, SPASTIC COLITIS. COLE CHEMICAL COMPANY, Wilmington, Del., and St. Louis, Mo.
Filed July 7, 1938. Serial No. 408,268. PUBLISHED SEPTEMBER 20, 1938. Class 6.

363,150. AIR MIXERS FOR VENTILATING SYSTEMS. EARL H. COLLICUTT, New York, N. Y., assignor to The Aerofuser Company, Inc., New York, N. Y., a corporation of New York.
Filed July 7, 1938. Serial No. 408,269. PUBLISHED OCTOBER 4, 1938. Class 34.

363,151. RAW HIDES. GARDEN STATE TANNING CO., New York, N. Y.
Filed July 7, 1938. Serial No. 408,273. PUBLISHED OCTOBER 4, 1938. Class 1.

363,152. BRUSH BLOCKS MADE FROM IMPREGNATED FIBRE MATERIAL. PRO-PHY-LAC-TIC BRUSH COMPANY, Northampton, Mass.
Filed July 7, 1938. Serial No. 408,287. PUBLISHED OCTOBER 4, 1938. Class 29.

363,153. MEDICATED CHARCOAL FOR INTERNAL USE. SOCIETE ANONYME LABORATOIRES G. REAUBOURG, Boulogne-sur-Seine, France.
Filed July 7, 1938. Serial No. 408,289. PUBLISHED SEPTEMBER 20, 1938. Class 6.

363,154. HAND LOTIONS. H. BRONNLEY & CO., LIMITED, London, England.
Filed July 8, 1938. Serial No. 408,306. PUBLISHED SEPTEMBER 20, 1938. Class 6.

363,155. HAIR TONIC. ADORNO MANUFACTURING CO., Seattle, Wash.
Filed July 9, 1938. Serial No. 408,335. PUBLISHED SEPTEMBER 20, 1938. Class 6.

363,156. DEODORANTS AND PREPARATIONS FOR PREVENTING EXCESSIVE PERSPIRATION, ALSO DEPILATORY. THE ODORONO COMPANY, INC., New York, N. Y.
Filed July 9, 1938. Serial No. 408,352. PUBLISHED SEPTEMBER 27, 1938. Class 6.

363,157. CARPET SWEEPER. BISSELL CARPET SWEEPER CO., Grand Rapids, Mich.
Filed July 11, 1938. Serial No. 408,371. PUBLISHED OCTOBER 4, 1938. Class 26.

363,158. COFFEE PERCOLATORS. R. S. GEHLERT & Co., Detroit, Mich.
Filed July 11, 1938. Serial No. 408,381. PUBLISHED OCTOBER 4, 1938. Class 13.

363,159. PENCILS OF ALL KINDS. KOH-I-NOOR BLEISTIFTFABRIK L. & C. HARDTMUTH, Budweis, Czechoslovakia.
Filed July 11, 1938. Serial No. 408,387. PUBLISHED OCTOBER 4, 1938. Class 37.

363,160. RAZOR BLADES AND POCKET KNIVES FOR PERSONAL USE. DANIEL H. RIDER, doing business as Rider Safety Razor Co., New York, N. Y.
Filed July 11, 1938. Serial No. 408,400. PUBLISHED OCTOBER 4, 1938. Class 23.

363,161. MEDICINAL COMPOUNDS, MORE PARTICULARLY TABLETS FOR INTESTINAL DISORDERS. THE MALTINE COMPANY, New York, N. Y.
Filed July 12, 1938. Serial No. 408,430. PUBLISHED SEPTEMBER 20, 1938. Class 6.

363,162. CHOCOLATE SYRUPS FOR MIXTURE WITH MILK AND FOR USE AS A CHOCOLATE FLAVORING MATERIAL. BOSCO COMPANY, New York, N. Y.
Filed July 13, 1938. Serial No. 408,449. PUBLISHED OCTOBER 4, 1938. Class 46.

363,163. PERMANENT ANTIFREEZE SOLUTION FOR USE IN INTERNAL COMBUSTION ENGINE COOLING SYSTEMS. L. O. CHURCH CORPORATION, Peoria, Ill.
Filed July 13, 1938. Serial No. 408,454. PUBLISHED SEPTEMBER 20, 1938. Class 6.

363,164. PAPER FOR LOOSE LEAF BINDERS. GOLDSMITH BROS., New York, N. Y.
Filed July 13, 1938. Serial No. 408,462. PUBLISHED OCTOBER 4, 1938. Class 37.

363,165. PHARMACEUTICAL PREPARATION IN TABLET FORM FOR THE TREATMENT OF CARDIO-VASCULAR DISEASES. CHARLES C. HASKELL & Co., INC., Richmond, Va.
Filed July 13, 1938. Serial No. 408,463. PUBLISHED SEPTEMBER 20, 1938. Class 6.

363,166. ARTIFICIAL RESINS IN THE FORM OF SOLIDS, SOLUTIONS, OR EMULSIONS SUITABLE FOR VARIOUS USES IN THE INDUSTRIAL ARTS. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany.
Filed July 13, 1938. Serial No. 408,464. PUBLISHED OCTOBER 4, 1938. Class 1.

363,167. PREPARATIONS CONTAINING OR MADE FROM DIGITALIS LEAVES IN ANY FORM AND PRODUCTS CONTAINING ANY EXTRACTS FROM DIGITALIS LEAVES, ETC. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed July 14, 1938. Serial No. 408,514. PUBLISHED SEPTEMBER 20, 1938. Class 6.

363,168. THERAPEUTIC PREPARATIONS FOR USES COMPRISING THOSE OF ANESTHETIC, HYPNOTIC, SEDATIVE, SLEEP-PRODUCING, AND VASO-DILATION AGENTS. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed July 14, 1938. Serial No. 408,515. PUBLISHED SEPTEMBER 20, 1938. Class 6.

363,169. THERAPEUTIC PREPARATIONS FOR USES COMPRISING THOSE OF ANESTHETIC, HYPNOTIC, SEDATIVE, SLEEP-PRODUCING, AND VASO-DILATION AGENTS. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed July 14, 1938. Serial No. 408,516. PUBLISHED SEPTEMBER 20, 1938. Class 6.

363,170. HOSIERY FORMS. SHOE FORM CO., INC., Auburn, N. Y.
Filed July 14, 1938. Serial No. 408,517. PUBLISHED OCTOBER 4, 1938. Class 50.

363,171. BOOT AND SHOE STRETCHING DEVICES AND ADJUSTERS. H MFG. & SALES CO., INC., Amarillo, Tex.
Filed July 15, 1938. Serial No. 408,540. PUBLISHED OCTOBER 4, 1938. Class 23.

363,172. CARTOON AND COMIC STRIP. KING FEATURES SYNDICATE, INC., New York, N. Y.
Filed July 15, 1938. Serial No. 408,542. PUBLISHED SEPTEMBER 27, 1938. Class 38.

363,173. CANNED FRUITS, CANNED VEGETABLES, CANNED FISH, GRAPEFRUIT JUICE FOR FOOD PURPOSES AND CIDER VINEGAR. THE EPSTEIN-NEVAS CO., also doing business as Flagmaid Products Company, Stamford, Conn.
Filed July 16, 1938. Serial No. 408,567. PUBLISHED OCTOBER 4, 1938. Class 46.

363,174. ARTISTS' BRUSHES. B. K. ELLIOTT COMPANY, Pittsburgh, Pa.
Filed July 18, 1938. Serial No. 408,600. PUBLISHED OCTOBER 4, 1938. Class 29.

363,175. FUNGICIDES. GENERAL CHEMICAL COMPANY, New York, N. Y.
Filed July 19, 1938. Serial No. 408,638. PUBLISHED SEPTEMBER 27, 1938. Class 6.

363,176. BREAD. GRACE OSBORNE, Pittsburgh, Pa.
Filed July 19, 1938. Serial No. 408,656. PUBLISHED OCTOBER 4, 1938. Class 46.

363,177. AUTOMATIC PHOTOGRAPHING APPARATUS. WILLIAM W. RICE, Chicago, Ill.
Filed July 19, 1938. Serial No. 408,657. PUBLISHED OCTOBER 4, 1938. Class 26.

363,178. PAPER TRAYS FOR MEAT, BUTTER, LARD, AND SIMILAR PRODUCTS. STEVENS & THOMPSON PAPER COMPANY, New York, N. Y.
Filed July 19, 1938. Serial No. 408,662. PUBLISHED OCTOBER 4, 1938. Class 2.

363,179. TWINE DISPENSERS. J. E. HARTON, doing business as J. E. Harton Co., San Francisco, Calif.
Filed July 20, 1938. Serial No. 408,709. PUBLISHED SEPTEMBER 27, 1938. Class 2.

363,180. EMULSIFIED VEGETABLE WAXES AND FATS FOR TEXTILE FINISHING. HERCULES POWDER COMPANY, Wilmington, Del.
Filed July 20, 1938. Serial No. 408,711. PUBLISHED SEPTEMBER 20, 1938. Class 6.

363,181. MEDICINAL PREPARATION FOR INTERNAL ADMINISTRATION, CONTAINING PULVERIZED POLLENS, USEFUL FOR THE PREVENTION OF HAY FEVER. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed July 20, 1938. Serial No. 408,722. PUBLISHED SEPTEMBER 27, 1938. Class 6.

363,182. PICTURES, PRINTS, PAINTINGS, ETCHINGS, AND DRAWINGS. ASSOCIATED AMERICAN ARTISTS, INC., New York, N. Y.
Filed July 21, 1938. Serial No. 408,744. PUBLISHED SEPTEMBER 27, 1938. Class 38.

363,183. WETTING OUT, SOFTENING, AND EMULSIFYING AGENTS AND DYE ASSISTANTS. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y.
Filed July 21, 1938. Serial No. 408,758. PUBLISHED SEPTEMBER 27, 1938. Class 6.

363,184. MEDICINAL PREPARATION FOR TREATING ATHLETE'S FOOT AND OTHER FUNGUS INFECTIONS. TRICTIN LABORATORIES, Mayfield, Ky.
Filed July 21, 1938. Serial No. 408,767. PUBLISHED SEPTEMBER 27, 1938. Class 6.

363,185. AFTER SHAVE LOTION, HAIR DRESS (OIL), AND HAIR TONIC. CHARM PRODUCTS INC., also doing business as Carlyle, Los Angeles, Calif.
Filed July 22, 1938. Serial No. 408,783. PUBLISHED SEPTEMBER 20, 1938. Class 6.

363,186. SODIUM CHLORITE. THE MATHIESON ALKALI WORKS (INC.), New York, N. Y.
Filed July 22, 1938. Serial No. 408,806. PUBLISHED SEPTEMBER 27, 1938. Class 6.

363,187. COSMETIC CREAMS AND LOTIONS. ACHILLES L. SLADEK AND MARIAN G. SLADEK, St. Paul, Minn.
Filed July 22, 1938. Serial No. 408,812. PUBLISHED SEPTEMBER 27, 1938. Class 6.

363,188. FOLDED BUSINESS CARD OF ONE OR MORE SHEETS AND CONTAINING PRINTED MATTER OR ADVERTISING MATERIAL SOLD AS SUCH IN TRADE. STANLEY H. OSHAN, New York, N. Y.
Filed July 19, 1938. Serial No. 408,821. PUBLISHED OCTOBER 4, 1938. Class 38.

363,189. SOLVENT FOR GUMS OR SLUDGE. EMEROL MANUFACTURING CO., INC., New York, N. Y.
Filed July 23, 1938. Serial No. 408,835. PUBLISHED SEPTEMBER 27, 1938. Class 6.

363,190. CRYSTALINE CLEANING PREPARATION FOR CLEANING VARIOUS ARTICLES AND SURFACES, SUCH AS FURNITURE UPHOLSTERY, ETC. GERTRUDE STANTON, doing business as Stanlane Company, Chicago, Ill.
Filed July 25, 1938. Serial No. 408,905. PUBLISHED OCTOBER 4, 1938. Class 4.

363,191. COMBINED AUTOMATIC GAS WATER HEATERS AND INCINERATORS. COMBO CORPORATION, Rochester, N. Y.
Filed July 26, 1938. Serial No. 408,914. PUBLISHED OCTOBER 4, 1938. Class 34.

363,192. PARASITICIDE AND FUNGICIDE. THE WOOD RIDGE MANUFACTURING CO., INC., Wood Ridge, N. J.
Filed July 27, 1938. Serial No. 408,979. PUBLISHED SEPTEMBER 27, 1938. Class 6.

363,193. DAILY BULLETIN. SCHLEISNER COMPANY, INC., Baltimore, Md.
Filed July 28, 1938. Serial No. 408,980. PUBLISHED SEPTEMBER 27, 1938. Class 38.

363,194. BAKING OVENS. UNION STEEL PRODUCTS COMPANY, Albion, Mich.
Filed July 28, 1938. Serial No. 409,015. PUBLISHED OCTOBER 4, 1938. Class 34.

363,195. CELLULOSE PRODUCT TO BE TAKEN INTERNALLY TO PROVIDE BULK AND LUBRICATION IN THE TREATMENT OF CONSTIPATION. BATTLE CREEK DIETETIC SUPPLY CO., Battle Creek, Mich.
Filed July 29, 1938. Serial No. 409,026. PUBLISHED SEPTEMBER 20, 1938. Class 6.

363,196. GEAR CUTTING TOOLS AND BLADES THEREFOR. THE GLEASON WORKS, Rochester, N. Y.
Filed July 29, 1938. Serial No. 409,031. PUBLISHED OCTOBER 4, 1938. Class 23.

363,197. VEGETABLE SHORTENING. LEVER BROTHERS COMPANY, Cambridge, Mass.
Filed July 29, 1938. Serial No. 409,043. PUBLISHD OCTOBER 4, 1938. Class 46.

363,198. PREPARATION FOR CLEANING AND CLEARING STOPPED-UP DRAIN AND SEWER PIPES. THE C. B. DOLGE COMPANY, Westport, Conn.
Filed July 30, 1938. Serial No. 409,088. PUBLISHED SEPTEMBER 27, 1938. Class 6.

363,199. PREPARATION USEFUL IN THE TREATMENT OF RHEUMATIC MUSCULAR ACHES, PAINS, AND LUMBAGO. PHILIP C. RACKOFF, doing business as Warnick's Chemical and Pharmaceutical Laboratories, Los Angeles, Calif.
Filed July 30, 1938. Serial No. 409,107. PUBLISHED SEPTEMBER 27, 1938. Class 6.

363,200. PHARMACEUTICAL PREPARATION OF CRYSTALLINE VITAMIN B_1 AND C IN TABLET FORM. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed August 1, 1938. Serial No. 409,136. PUBLISHED OCTOBER 4, 1938. Class 6.

363,201. PHARMACEUTICAL PREPARATIONS OF VITAMIN B IN LIQUID AND TABLET FORM FOR ORAL USE AND IN AMPOULES FOR PARENTERAL ADMINISTRATION. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed August 1, 1938. Serial No. 409,137. PUBLISHED OCTOBER 4, 1938. Class 6.

363,202. SYNTHETIC CHEMICAL COMPOUND FOR USE IN PRODUCING DEEP NARCOSIS. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed August 1, 1938. Serial No. 409,138. PUBLISHED SEPTEMBER 20, 1938. Class 6.

363,203. FILTER PAPER. TRICOLATOR COMPANY, INC., New York, N. Y.
Filed August 2, 1938. Serial No. 409,176. PUBLISHED OCTOBER 4, 1938. Class 37.

363,204. LOOSELEAF BOOK COVERS. THE COLLECTAGUIDE CO., New York, N. Y.
Filed August 3, 1938. Serial No. 409,188. PUBLISHED OCTOBER 4, 1938. Class 37.

363,205. LOOSELEAF BOOK COVERS. THE COLLECTAGUIDE CO., New York, N. Y.
Filed August 3, 1938. Serial No. 409,190. PUBLISHED OCTOBER 4, 1938. Class 37.

363,206. COUGH SYRUP. SAM S. LAWRENCE, doing business as Lawrence Laboratories, Huntington, W. Va.
Filed August 3, 1938. Serial No. 409,202. PUBLISHED OCTOBER 4, 1938. Class 6.

363,207. TABLE AND COOKING GLASSWARE. PITMAN-DREITZER & CO. INC., New York, N. Y.
Filed August 3, 1938. Serial No. 409,227. PUBLISHED OCTOBER 4, 1938. Class 33.

363,208. CRAYONS. CHARLES B. CHATFIELD, Woodbury, Conn.
Filed August 4, 1938. Serial No. 409,233. PUBLISHED OCTOBER 4, 1938. Class 37.

363,209. GENERAL UTILITY IMPLEMENT PARTICULARLY USEFUL AS A SINK SCRAPER OR SCOOP, AS A SQUEEGEE FOR CLEANING WINDOWS, OR AS A SCRAPER, CLEANER, OR SCOOP FOR PLATES, DISHES, POTS, PANS, OR LIKE KITCHEN UTENSILS. WEBSTER RUBBER COMPANY, Sabattus, Maine.
Filed August 4, 1938. Serial No. 409,248. PUBLISHED OCTOBER 4, 1938. Class 50.

363,210. CREAM AND PASTE PREPARATION TO PREVENT GREASE, DIRT, INK, ETC., FROM GETTING INTO THE PORES OF THE SKIN AND ASSISTING IN ITS RAPID REMOVAL THEREFROM. PHILIP CHAVIS, doing business as Liberty Sales Co., New York, N. Y.
Filed August 6, 1938. Serial No. 409,297. PUBLISHED OCTOBER 4, 1938. Class 6.

363,211. RESIN. HERCULES POWDER COMPANY, Wilmington, Del.
Filed August 6, 1938. Serial No. 409,312. PUBLISHED OCTOBER 4, 1938. Class 1.

363,212. RESIN. HERCULES POWDER COMPANY, Wilmington, Del.
Filed August 6, 1938. Serial No. 409,313. PUBLISHED OCTOBER 4, 1938. Class 1.

363,213. WOOLEN CLOTH PIECE GOODS AND MIXED WOOL AND COTTON CLOTH PIECE GOODS. LEVINSOHN BROS. & CO., INC., New York, N. Y.
Filed August 6, 1938. Serial No. 409,320. PUBLISHED OCTOBER 4, 1938. Class 42.

363,214. REDUCING AGENT FOR USE IN TEXTILE AND OTHER INDUSTRIES. GENERAL CHEMICAL COMPANY, New York, N. Y.
Filed August 8, 1938. Serial No. 409,354. PUBLISHED SEPTEMBER 20, 1938. Class 6.

363,215. DEVICE IMPREGNATED WITH LOTION TO BE APPLIED TO THE EYES. MASTIN PRODUCTS, INC., New York, N. Y.
Filed August 8, 1938. Serial No. 409,365. PUBLISHED OCTOBER 4, 1938. Class 6.

363,216. GENERAL TONIC AND LAXATIVE. UNITED DISTRIBUTORS, INC., Louisville, Ky.
Filed August 8, 1938. Serial No. 409,373. PUBLISHED SEPTEMBER 27, 1938. Class 6.

363,217. SHAMPOO PREPARATIONS, FACE CREAMS, BRILLIANTINE, HAIR WAVING SOLUTIONS IN LIQUID AND POWDER FORM. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J.
Filed August 9, 1938. Serial No. 409,384. PUBLISHED OCTOBER 4, 1938. Class 6.

363,218. CIGARETTES. KO WAH LUM, San Francisco, Calif.
Filed August 9, 1938. Serial No. 409,406. PUBLISHED OCTOBER 4, 1938. Class 17.

363,219. GENERAL TONIC AND MILD LAXATIVE. PAN-TONE DRUG COMPANY, Jacksonville, Fla.
Filed August 9, 1938. Serial No. 409,413. PUBLISHED SEPTEMBER 20, 1938. Class 6.

363,220. YERBA MATE (PARAGUAYAN TEA). SOCIEDAD ANÓNIMA MACKINNON & COELHO LTDA. COMPAÑIA YERBATERA, Buenos Aires, Argentina.
Filed August 10, 1938. Serial No. 409,442. PUBLISHED OCTOBER 4, 1938. Class 46.

363,221. AQUEOUS IODINE COMPOUND USED IN THE TREATMENT OF IODINE DEFICIENCY CONDITIONS. CROOKES LABORATORIES, INC., New York, N. Y.
Filed August 11, 1938. Serial No. 409,457. PUBLISHED SEPTEMBER 20, 1938. Class 6.

363,222. OINTMENT WHICH IS USED IN THE TREATMENT OF INDOLENT WOUNDS, VARICOSE ULCERS, ETC. CROOKES LABORATORIES, INC., New York, N. Y.
Filed August 11, 1938. Serial No. 409,458. PUBLISHED SEPTEMBER 20, 1938. Class 6.

363,223. ECZEMA SALVE, WORM TABLETS, CONDITIONERS FOR DOGS, GERMICIDES, MANGE CURE, COAT POWDER FOR DOGS, PINE OIL, TONIC TABLETS, FLEA POWDER, COAT OIL FOR DOGS, AND DEODORANT FOR DOGS. JOHN MORRELL & CO., Ottumwa, Iowa.
Filed August 11, 1938. Serial No. 409,483. PUBLISHED SEPTEMBER 27, 1938. Class 6.

363,224. LAUNDRY STARCH. PENICK & FORD, LTD. INCORPORATED, New York, N. Y.
Filed August 11, 1938. Serial No. 409,484. PUBLISHED OCTOBER 4, 1938. Class 6.

363,225. HAIR TONIC AND SCALP CLEANER. ETHEL M. HOWLAND, doing business as Karma Beauty Shop, Margaretville, N. Y.
Filed August 12, 1938. Serial No. 409,523. PUBLISHED OCTOBER 4, 1938. Class 6.

363,226. CHEMICAL COMPOUNDS USED IN THE SOFTENING OF RUBBER AND SIMILAR MATERIALS. BINNEY & SMITH CO., New York, N. Y.
Filed August 17, 1938. Serial No. 409,677. PUBLISHED SEPTEMBER 27, 1938. Class 6.

363,227. INSECTICIDES IN LIQUID FORM. SAMUEL A. HALABY, Rochester, N. Y.
Filed August 18, 1938. Serial No. 409,734. PUBLISHED OCTOBER 4, 1938. Class 6.

363,228. CHEMICAL COMPOUND, BEING IN THE NATURE OF A TEXTILE FINISH WITH WATER REPELLENT CHARACTERISTICS. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed August 19, 1938. Serial No. 409,764. PUBLISHED OCTOBER 4, 1938. Class 6.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

363,229. (CLASS 12. CONSTRUCTION MATERIALS.) EUGENE B. WHITE, Chicago, Ill. Filed May 15, 1937. Serial No. 392,823.

WHITE-STEEL

For Steel Channels for Monolithic Systems.
Claims use since Feb. 1, 1937.

363,230. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CARRY ICE CREAM COMPANY, Washington, D. C. Filed July 29, 1937. Serial No. 395,732.

Virginia Maid
ICE CREAM
"QUEEN OF ALL"

The words "Ice Cream" are disclaimed except as shown.
For Ice Cream.
Claims use since Jan. 1, 1930.

363,231. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) B. F. STURTEVANT COMPANY, Boston, Mass. Filed July 30, 1937. Serial No. 395,844.

VANE CONTROL

For Centrifugal Fans for Induced and Forced Draft for Boiler Plants, Heating and Ventilating, Air Conditioning and Drying.
Claims use since Oct. 4, 1935.

363,232. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RURALITE ENGINEERING COMPANY, INC., Sioux City, Iowa. Filed Aug. 26, 1937. Serial No. 396,787.

RURALITE

For Wind Driven Electric Power Supplying Apparatus and Storage Batteries.
Claims use since June 15, 1937.

363,233. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) J. C. PUSHEE & SONS, INC., Boston, Mass. Filed Oct. 11, 1937. Serial No. 398,370.

Biltwel

For Painters' Brushes.
Claims use since Mar. 1, 1936.

363,234. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) MARQUETTE MANUFACTURING CO. INC., Minneapolis, Minn. Filed Oct. 13, 1937. Serial No. 398,437.

"RED-ROD"

For Welding Rods.
Claims use since Oct. 23, 1936.

363,235. (CLASS 32. FURNITURE AND UPHOLSTERY.) PHOTO-MIRROR CORPORATION OF AMERICA, Chicago, Ill. Filed Oct. 25, 1937. Serial No. 398,932.

PHOTO

For Novelties—Namely, Light-Penetrable or Transparent Mirrors Having a Photograph, Picture, or Like Object at the Rear Thereof Which is Normally Invisible but Becomes Visible When the Article is Illuminated from the Rear.
Claims use since Sept. 1, 1937.

363,236. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) HIGGINS INDUSTRIES, INC., New Orleans, La. Filed Nov. 4, 1937. Serial No. 399,300.

EUREKA

For Shallow Draft Power Boats.
Claims use since Oct. 10, 1937.

363,237. (CLASS 27. HOROLOGICAL INSTRUMENTS.) MANHATTAN NOVELTY COMPANY, New York, N. Y. Filed Nov. 5, 1937. Serial No. 399,364.

Evans

For Watches.
Claims use since Nov. 3, 1937.

363,238. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE WALKER COMPANY, Middleboro, Mass. Filed Nov. 5, 1937. Serial No. 399,384.

Leek-Pruf

For Ice Bags.
Claims use since Oct. 29, 1937.

363,239. (CLASS 48. MALT BEVERAGES AND LIQUORS.) BETTER BUY WHOLESALE GROCERS, Fresno, Calif. Filed Nov. 8, 1937. Serial No. 399,437.

BETTER BUY

For Beer.
Claims use since Oct. 25, 1937.

363,240. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) BERTHA ALEXANDER, also known as Madame Alexander, doing business as Alexander Doll Company, New York, N. Y. Filed Nov. 9, 1937. Serial No. 399,636.

"Snow White"

For Dolls.
Claims use since Oct. 25, 1937.

363,241. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ARTHUR L. HERZOG, El Centro, Calif. Filed Nov. 22, 1937. Serial No. 400,009.

DR. COLA

For Nonalcoholic Beverages.
Claims use since Oct. 27, 1937.

363,242. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE ENTERPRISE MANUFACTURING COMPANY OF PENNSYLVANIA, Philadelphia, Pa. Filed Nov. 26, 1937. Serial No. 400,156.

ENTERPRISE COFFEE MERCHANT

For Coffee Mills.
Claims use since Oct. 28, 1937.

363,243. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) KENNETH SMITH, Lenexa, Kans. Filed Dec. 13, 1937. Serial No. 400,800.



For Golf Clubs and Parts Thereof.
Claims use since Nov. 8, 1937.

363,244. (CLASS 37. PAPER AND STATIONERY.) DIXIE WAX PAPER COMPANY, Dallas, Tex. Filed Dec. 31, 1937. Serial No. 401,429.

BRAD-TITE

For Specially Processed Adhesive Sheet of Waxed Paper.
Claims use since Oct. 21, 1937.

363,245. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DIXIE PRESERVES, LTD., Los Angeles, Calif. Filed Feb. 14, 1938. Serial No. 403,000.



For Jams, Jellies, Fruit Preserves, and Marmalade.
Claims use since Mar. 1, 1926.

363,246. (CLASS 7. CORDAGE.) WILLIAM WHITE SPENCER, New York, N. Y. Filed Mar. 31, 1938. Serial No. 404,728.



For Twines and Cable Cord.
Claims use since Jan. 19, 1937.

363,247. (CLASS 15. OILS AND GREASES.) RICHFIELD OIL CORPORATION, Los Angeles, Calif. Filed July 18, 1938. Serial No. 408,621.

RICHCOTE

For Lubricating Oils and Lubricating Greases.
Claims use since Jan. 21, 1930.

363,248. (CLASS 37. PAPER AND STATIONERY.) L. HYMAN & SONS, New York, N. Y. Filed Aug. 18, 1938. Serial No. 409,737.

HYGRADE

For Paper Rolls for Adding Machines.
Claims use since January, 1931.

363,249. (CLASS 12. CONSTRUCTION MATERIALS.) JOHN A. BECKER, doing business as Gumputtie Mfg. Co., Chicago, Ill. Filed Sept. 19, 1938. Serial No. 410,716.

GUMPUTTIE

For a Plastic Sealing Compound.
Claims use since June 1, 1918.

363,250. (CLASS 12. CONSTRUCTION MATERIALS.) JOHN A. BECKER, doing business as Gumputtie Laboratories, Chicago, Ill. Filed Sept. 19, 1938. Serial No. 410,717.

NU-PUTTIE

For a Plastic Sealing Compound.
Claims use since June 1, 1933.

363,251. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) THE HALLORAN COMPANY, Memphis, Tenn. Filed Oct. 13, 1938. Serial No. 411,576.

COPRTUBE
GAS FIRED BOILER

For Gas Hot Water Boilers.
Claims use since July 1, 1936.

363,252. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ALBERT THURLOW HUNT, Los Angeles, Calif. Filed Oct. 19, 1938. Serial No. 411,779.

RELAXER

For Instrument Applicable to and for Drawing up the Head to Relieve Pressure on the Cervical Spine.
Claims use since 1925.

TRADE-MARK REGISTRATIONS RENEWED

122,121. A REMEDY FOR GALLS, SORES, AND CUTS IN ANIMALS. Registered July 2, 1918. LLOYD ADAMS, South Brownsville, Pa. Renewed July 2, 1938, to LeRoy Rosier, Morgantown, W. Va., successor.

122,609. NON-ALCOHOLIC AND MALTLESS SOFT DRINKS AND SYRUPS THEREFOR. Registered August 27, 1918. OZONE SPRING WATER & BEVERAGE CO. INC., New Orleans, La. Renewed August 27, 1938, to William H. Gast, Park Ridge, Ill., successor.

122,723. CERTAIN NAMED CONSTRUCTION MATERIALS. Registered September 10, 1918. A. T. MALMED & Co. Renewed September 10, 1938, to A. T. Malmed, doing business as A. T. Malmed & Company, Philadelphia, Pa., successor.

122,816. MILKING-MACHINES. Registered September 17, 1918. PINE TREE MILKING MACHINE COMPANY. Renewed September 17, 1938, to Babson Bros., Chicago, Ill., a limited partnership of Illinois, assignee by mesne assignments.

123,011. FAIENCE CLAY TILES FOR THE EXTERIOR AND INTERIOR SURFACES OF WALLS, FLOORS, AND CEILINGS. Registered October 8, 1918. AMERICAN ENCAUSTIC TILING CO. LTD., Zanesville, Ohio, Maurer, N. J., and New York, N. Y. Renewed October 8, 1938, to American Encaustic Tiling Company, Inc., Perth Amboy, N. J., and New York, N. Y., a corporation of New York, assignee.

123,153. CERTAIN NAMED ELECTRICAL GOODS. Registered October 15, 1918. W. R. OSTRANDER & Co., New York, N. Y. Renewed October 15, 1938, to W. R. Ostrander Electric Works, Inc., Brooklyn, N. Y., a corporation of New York, successor.

123,219. ANTIFRICTION-BEARINGS. Registered October 22, 1918. THE FEDERAL BEARINGS CO. INC., Fairview, Poughkeepsie, N. Y. Renewed October 22, 1938, to The Federal Bearings Co., Inc., Poughkeepsie, N. Y., a corporation of New York.

123,533. LUBRICATING-OIL. Registered November 19, 1918. EARLE C. ANTHONY, INC. Renewed November 19, 1938, to Earle C. Anthony, Inc., Los Angeles, Calif., a corporation of California, successor.

123,556. CERTAIN NAMED CUTLERY, MACHINERY, AND TOOLS AND PARTS THEREOF. Registered November 19, 1918. CHALLENGE COMPANY, Batavia, Ill., a corporation of Illinois. Renewed November 19, 1938.

123,595. LUBRICATING-OILS. Registered November 19, 1918. A. W. HARRIS OIL CO., Providence, R. I. Renewed November 19, 1938, to A. W. Harris Oil Company, Phillipsdale, R. I., a corporation of Rhode Island.

123,672. WHEAT-FLOUR. Registered November 19, 1918. THE WATERLOO AND CEDAR FALLS UNION MILL COMPANY. Renewed November 19, 1938, to Waterloo Mills Company, Waterloo, Iowa, a firm, assignee.

123,702. PHOTOGRAPHIC DEVELOPER. Registered December 3, 1918. EASTMAN KODAK COMPANY. Renewed December 3, 1938, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey, assignee.

124,037. ICE-CREAM. Registered December 31, 1918. PALMETTO ICE CREAM COMPANY, Florence, S. C. Renewed December 31, 1938, to Southern Dairies, Inc., Washington, D. C., a corporation of Delaware, successor.

124,131. VEGETABLE, FLOWER, GRASS, AND FIELD SEEDS. Registered January 14, 1919. THE NEBRASKA SEED CO., Omaha, Nebr., a corporation of Nebraska. Renewed January 14, 1939.

124,257. CHOCOLATES. Registered January 28, 1919. MASON, AU & MAGENHEIMER CONFECTIONERY MANUFACTURING CO., Brooklyn, N. Y. Renewed January 28, 1939, to Mason, Au & Magenheimer Confectionery Manufacturing Company, New York, N. Y., a corporation of West Virginia.

124,334. CERTAIN NAMED MEASURING AND SCIENTIFIC APPLIANCES. Registered February 4, 1919. THE PRISCILLA PUBLISHING CO., Boston, Mass. Renewed February 4, 1939, to Needlecraft Publishing Company, Augusta, Maine, a corporation of Maine, successor.

124,353. GRAPE JAM. Registered February 4, 1919. THE WELCH GRAPE JUICE COMPANY, Westfield, N. Y., a corporation of New York. Renewed February 4, 1939.

124,370. FIREPROOF PAINTS. Registered February 11, 1919. SAMUEL CABOT, INCORPORATED, Boston, Mass., a corporation of Massachusetts. Renewed February 11, 1939.

124,443. WOVEN WOOLEN GOODS CONSISTING OF AUTOMOBILE ROBES AND SHAWLS AND STEAMER-BLANKETS. Registered February 18, 1919. THE COLONIAL WOOLEN MILLS CO., Cleveland, Ohio, a corporation of Ohio. Renewed February 18, 1939.

124,746. BLOOD-PURIFIER AND RELIEF FOR RHEUMATISM. Registered March 11, 1919. MCNEIL DRUG CO., INC., Jacksonville, Fla., a corporation of Florida. Renewed March 11, 1939.

124,905. COTTON PIECE GOODS—VIZ., SHIRTING AND SHEETING. Registered March 18, 1919. WAMSUTTA MILLS, New Bedford, Mass., a corporation of Massachusetts. Renewed March 18, 1939.

124,906. COTTON PIECE GOODS—VIZ.. SHIRTINGS. Registered March 18, 1919. WAMSUTTA MILLS, New Bedford, Mass., a corporation of Massachusetts. Renewed March 18, 1939.

125,020. PILL FOR PULMONARY TUBERCULOSIS. Registered April 8, 1919. ALBERT BEUGEL, Harvey, Ill. Renewed April 8, 1939.

125,031. THREAD. Registered April 8, 1919. THE CLARK THREAD COMPANY, Newark, N. J., a corporation of New Jersey. Renewed April 8, 1939.

125,072. DOLLS. Registered April 8, 1919. MARY A. MCADOY, Denver, Colo. Renewed April 8, 1939.

125,112. GRAPE-JUICE. Registered April 8, 1919. THE WELCH GRAPE JUICE COMPANY, Westfield, N. Y., a corporation of New York. Renewed April 8, 1939.

125,160. CANDIES. Registered April 15, 1919. NATIONAL CANDY COMPANY, St. Louis, Mo., a corporation of New Jersey. Renewed April 15, 1939.

125,187. A DENTIFRICE. Registered April 22, 1919. BARCLAY & Co., Wilmington, Del., and New York, N. Y. Renewed April 22, 1939, to Lanman & Kemp-Barclay & Co. Incorporated, New York, N. Y., a corporation of New York, assignee.

125,243. MARMALADE. Registered April 22, 1919. CHARLES H. MOSS. Renewed April 22, 1939, to The Pogm Company, Malden, Mass., a corporation of Massachusetts, assignee.

125,255. BABBITT ALLOY. Registered April 22, 1919. SYRACUSE SMELTING WORKS, Brooklyn, N. Y. Renewed April 22, 1939, to Syracuse Smelting Works, New York, N. Y., a corporation of New York.

LABELS

REGISTERED DECEMBER 13, 1938

52,202.—*Title:* LITTLE PHILLIES. For Cigars. BAYUK CIGARS INCORPORATED, Philadelphia, Pa. Published October 20, 1938.

52,203.—*Title:* ARTICLE 77. For Cough Syrup. NORA BERGER, doing business as Hi-Grade Drug Co., Chicago, Ill. Published September 15, 1938.

52,204.—*Title:* THE UMBRELLA BANTAMAC. For Sport Jackets. MARCUS BAEIER'S SONS, New York, N. Y. Published September 28, 1938.

52,205.—*Title:* FLASHLIGHT BATTERY. For Batteries. BURGESS BATTERY COMPANY, Freeport, Ill. Published October 31, 1938.

52,206.—*Title:* BACON. For Bacon. CLEVELAND PROVISION COMPANY, Cleveland, Ohio. Published October 12, 1938.

52,207.—*Title:* SKINNED HAM. For Skinned Ham. CLEVELAND PROVISION COMPANY, Cleveland, Ohio. Published October 12, 1938.

52,208.—*Title:* JERZEE. For Evaporated Milk. THE DEFIANCE MILK PRODUCTS COMPANY, Defiance, Ohio. Published April 11, 1936.

52,209.—*Title:* DEFIANCE. For Evaporated Milk. THE DEFIANCE MILK PRODUCTS COMPANY, Defiance, Ohio. Published April 24, 1936.

52,210.—*Title:* BEAUTY. For Evaporated Milk. THE DEFIANCE MILK PRODUCTS COMPANY, Defiance, Ohio. Published August 13, 1936.

52,211.—*Title:* MORNING GLORY. For Evaporated Milk. THE DEFIANCE MILK PRODUCTS COMPANY, Defiance, Ohio. Published July 21, 1936.

52,212.—*Title:* GOLDEN GATE QUICK COOK CHICKEN FLAVORED SOUP-A-RONI. For a Chicken Flavored Prepared Soup to Which Water is Added. GOLDEN GATE MACARONI COMPANY, INC., San Francisco, Calif. Published September 28, 1938.

52,213.—*Title:* GRESSLER'S. For a Cleaner for Toilet Bowls and Urinals. C. F. GRESSLER, doing business as The Gressler Co., Greensburg, Pa. Published October 27, 1938.

52,214.—*Title:* HORNUNG'S. For Light Beer. JACOB HORNUNG BREWING CO., Philadelphia, Pa. Published November 4, 1938.

52,215.—*Title:* HORNUNG'S. For Cream Ale. JACOB HORNUNG BREWING CO., Philadelphia, Pa. Published November 4, 1938.

52,216.—*Title:* SANI-FLUSH. For a Powdered Compound for Cleaning Water-Closet Bowls and Automobile Radiators. THE HYGIENIC PRODUCTS COMPANY, Canton, Ohio. Published June 1, 1938.

52,217.—*Title:* SANI-FLUSH. For a Powdered Compound for Cleaning Water-Closet Bowls and Automobile Radiators. THE HYGIENIC PRODUCTS COMPANY, Canton, Ohio. Published June 1, 1938.

52,218.—*Title:* SANI-FLUSH. For a Powdered Compound for Cleaning Water-Closet Bowls and Automobile Radiators. THE HYGIENIC PRODUCTS COMPANY, Canton, Ohio. Published September 1, 1938.

52,219.—*Title:* SANI-FLUSH. For a Powdered Compound for Cleaning Water-Closet Bowls and Automobile Radiators. THE HYGIENIC PRODUCTS COMPANY, Canton, Ohio. Published September 1, 1938.

52,220.—*Title:* JOHNSON'S SHUR-TRED FLOOR FINISH. For a Floor Finish for Wood, Linoleum, Cement, Terrazzo, Rubber, and Asphalt-Tile. S. C. JOHNSON & SON, INC., Racine, Wis. Published October 28, 1938.

52,221.—*Title:* KEMP'S NUTS. For Nuts. E. F. KEMP, INC., Sommerville, Mass. Published October 15, 1938.

52,222.—*Title:* WHITE ROSE WASH DAY WONDER. For a Washing and Bleaching Solution. J. E. LECLERC, Bridge, Oreg. Published May 10, 1938.

52,223.—*Title:* THERE IS A MAIDEN FORM FOR EVERY TYPE OF FIGURE. For Brassières and/or Boxes, Packages and/or Containers of Such Goods. MAIDEN FORM BRASSIERE COMPANY, INC., New York, N. Y. Published August 31, 1938.

52,224.—*Title:* MARKWELL MASTER RF1 STAPLER. For Stapling Machines. MARKWELL MANUFACTURING CO., INC., New York, N. Y. Published August 20, 1938.

52,225.—*Title:* BOSTONIAN LUNCH. For Beans and Brown Bread. MULTIPLE CONTAINER CORPORATION, Los Angeles, Calif. Published September 27, 1938.

52,226.—*Title:* SPECIAL CREAM ALE. For Ale. OERTEL BREWING COMPANY INCORPORATED, Louisville, Ky. Published October 11, 1938.

52,227.—*Title:* SURFASAVER. For One-Coat Flat White Brushing Paint. IRVING OSTROFF, doing business as Squarex Advertising Company, New York, N. Y. Published June 15, 1938.

52,228.—*Title:* OCEAN PACK. For Shrimp. PACIFIC FOOD PRODUCTS CO. INC., San Francisco, Calif. Published October 1, 1938.

52,229.—*Title:* TEXTURIZED DRAPE. For Drapes. RIVERDALE MANUFACTURING CO. INC., New York, N. Y. Published June 28, 1938.

52,230.—*Title:* A NOBLE DOG DOG FOOD. For Dog Food. MORRIS D. SOLOW, doing business as The Noble Dog Foundation, New York, N. Y. Published August 1, 1938.

52,231.—*Title:* DR. WEST'S MIRACLE-TUFT DENTAL PLATE BRUSH. For Dental Plate Brushes. WECO PRODUCTS COMPANY, Chicago, Ill. Published November 17, 1938.

PRINTS

REGISTERED DECEMBER 13, 1938

17,152.—*Title:* CHOCOLATES 29¢ LB. For Candy. AWFUL FRESH MACFARLANE, Oakland, San Francisco, and Berkeley, Calif. Published October 8, 1938.

17,153.—*Title:* FUDGE 29¢ LB. For Candy. AWFUL FRESH MACFARLANE, Oakland, San Francisco, and Berkeley, Calif. Published October 13, 1938.

17,154.—*Title:* NEW! EXCLUSIVE! GLAMOROUS! NOREEN SUPER COLOR RINSE. For Color Rinses for the Hair. BEAUTY PRODUCTS, Denver, Colo. Published July 30, 1938.

17,155.—*Title:* RUPTURED! For Trusses. RUSSELL A. CAMPBELL, doing business as The Miller Laboratories, Gettysburg, Pa. Published May 13, 1938.

17,156.—*Title:* CORN BLOWN INTO CRISP AIRY "BUBBLES". For Cereal Food. GENERAL MILLS, INC., Minneapolis, Minn. Published November 10, 1938.

17,157.—*Title:* CORN COMES IN EXCITING BUBBLES NOW. For Cereal Food. GENERAL MILLS, INC., Minneapolis, Minn. Published November 10, 1938.

17,158.—*Title:* NOW, CORN IN TEMPTING "BUBBLES" TO GIVE YOU:—SOMETHING NEW FOR BREAKFAST. For Cereal Food. GENERAL MILLS, INC., Minneapolis, Minn. Published November 13, 1938.

17,159.—*Title:* HERSHEY'S MADE WITH RICH FRESH MILK (SCHOOL ROOM). For Milk Chocolate Bars. HERSHEY CHOCOLATE CORPORATION, Hershey, Pa. Published September 22, 1938.

17,160.—*Title:* PARKER ANNOUNCES AN 'EARLY BIRD' GIFT SALE. For Fountain Pens, Mechanical Pencils, Desk Sets and Ink. THE PARKER PEN COMPANY, Janesville, Wis. Published November 12, 1938.

17,161.—*Title:* THE OLDER THE BRIAR THE SWEETER THE SMOKE. For Tobacco Pipes. D. A. SCHULTZE, INC., New York, N. Y. Published September 7, 1938.

17,162.—*Title:* GIANT PRINTS. For Prints. MAJOR DAVID WILLIS, Sweetwater, Tex. Published August 27, 1938.

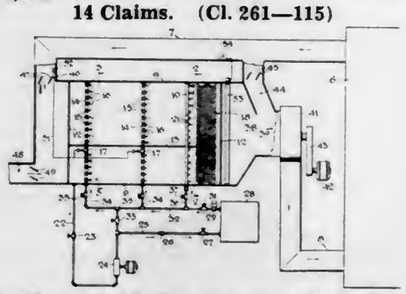
17,163.—*Title:* ZAROS LUCKY BIRTHDAY PERFUMES. For Perfumes. MAURICE ZIMMERMAN & RAE ZIMMERMAN, Los Angeles, Calif. Published May 23, 1938.

20,944
AIR CONDITIONING

Irving C. Baker, York, Pa., assignor, by mesne assignments, to Auditorium Conditioning Corporation, Jersey City, N. J., a corporation of New Jersey

Original No. 1,878,618, dated September 20, 1932, Serial No. 397,330, October 4, 1929. Application for reissue September 10, 1934, Serial No. 743,462

14 Claims. (Cl. 261—115)



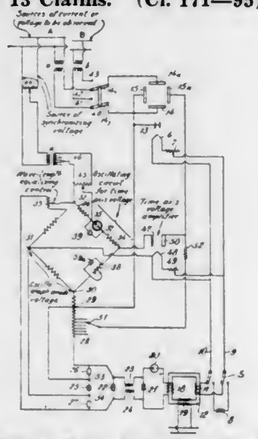
14. The method of maintaining desired conditions in a room, which consists in passing fresh air and air drawn from the room in substantially constant relative proportions through refrigerated conditioning means, varying the number of conditioning means in operation in response to conditions in the room, to vary the averaged refrigerating effect on the air, mixing the air so treated with a substantially constant relative proportion of untreated air drawn from the room and discharging the resulting mixture into the room, the rate of such discharge being maintained substantially uniform.

20,945
DEVICE FOR INDICATING OSCILLOGRAPH CURVES AS STATIONARY

Frederick Bedell, Ithaca, N. Y., assignor to General Radio Company, Cambridge, Mass., a corporation of Massachusetts

Original No. 1,707,594, dated April 2, 1929, Serial No. 189,727, May 7, 1927. Application for reissue August 18, 1937, Serial No. 159,732

13 Claims. (Cl. 171—95)



3. In a device of the type described, a cathode-ray tube, a plurality of sources of electromotive force, means for causing the projection of a cathode beam, a plate for receiving the beam, a plurality of sets of deflecting elements associated with the tube, means including a distributor for connecting each of said several sources of electromotive force with one of said sets of deflecting elements periodically and in rapid succession, and means for impressing an electromotive force upon another of said sets of deflecting elements.

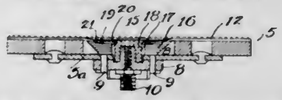
13. Apparatus for producing stationary luminous wave-form traces of a periodic electrical quantity on the screen of a cathode-ray oscillograph by deflection of a focused cathode beam, comprising a gas-discharge device, means including a source of direct current, a resistance and a condenser for causing periodic discharges of said gas-discharge device, means for deflecting said cathode beam in one direction at a frequency determined by said discharges, means for deflecting said beam in another direction in proportion to said periodic quantity, and means for applying a voltage derived from said quantity to said gas-discharge device, whereby the frequency of said discharges is caused to bear a rational ratio to the frequency of said quantity, and the traces formed by said deflected cathode beam appear stationary.

20,946
ABRASIVE ARTICLE

Richard P. Carlton, St. Paul, Minn., assignor, by mesne assignments, to The Stratmore Company, Cleveland, Ohio, a corporation of Ohio

Original No. 1,686,898, dated October 9, 1928, Serial No. 182,886, April 11, 1927. Application for reissue July 14, 1938, Serial No. 219,264

11 Claims. (Cl. 51—197)



1. A substantially flat and yieldingly flexible abrasive disc comprising a relatively rigid paper backing, a cloth backing adhesively secured thereto, and abrasive material adhesively secured to said cloth, the composite structure being sufficiently ductile to permit distortion of the central portion thereof without actual rupture and without material distortion of the entire backing.

20,947
REFUSE TRUCK

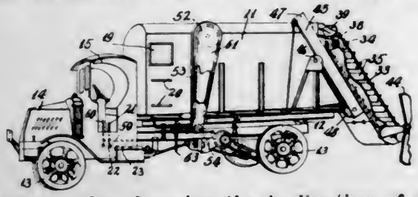
Joseph Goodman, New York, N. Y., assignor to Automatic Truck Loader Corporation, New York, N. Y., a corporation of Delaware

Original No. 1,915,927, dated June 27, 1933, Serial No. 565,279, September 26, 1931. Application for reissue March 9, 1938, Serial No. 195,619

15 Claims. (Cl. 214—67)

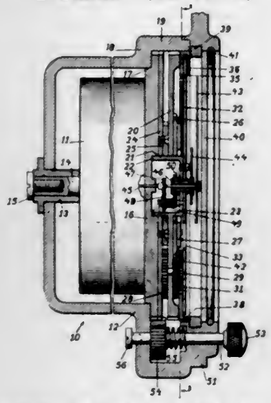
1. A refuse truck, comprising a chassis, a body hinged at its back end upon said chassis and having an inclined back side with an opening, means for raising said body to an inclined position, a conveyor within the top of the body and having a section extending from the back of the body and down along the back, a pivotal frame on said body beneath the back section of said

conveyor and slidably supporting the back section of the conveyor, means for driving said conveyor when said body is in a lowered position,



and means for changing the inclination of said frame to lift the conveyor section automatically as the body is raised.

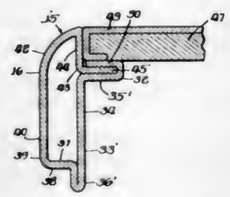
20,948
QUICK READING ALTIMETER
Paul Kollsman, New York, N. Y.
Original No. 1,857,311, dated May 10, 1932, Serial No. 580,119, December 10, 1931. Reissue application October 27, 1932, Serial No. 639,897. Divided and this application for reissue January 8, 1934, Serial No. 705,642
1 Claim. (Cl. 73—4)



An altimeter having a scale, an indicator, a plurality of pointers movable in the ratio of one to ten by the indicator, said pointers being coordinated with said scale, and the indicator and scale being rotatable relatively to each other.

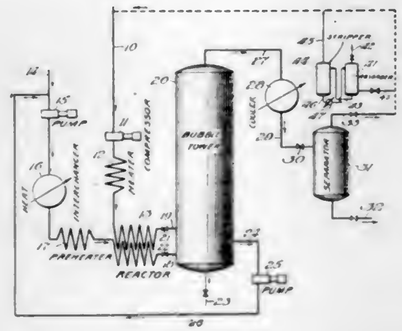
20,949
FOLDING TABLE TOP
John B. O'Connor, Aurora, Ill., assignor to Lyon Metal Products Incorporated, Aurora, Ill., a corporation of Illinois
Original No. 1,934,372, dated November 7, 1933, Serial No. 483,400, September 22, 1930, which is a division of Serial No. 250,462, January 30, 1928, now Patent No. 1,879,945, dated September 27, 1932. Application for reissue November 30, 1934, Serial No. 755,443
17 Claims. (Cl. 311—108)

1. A table comprising a rail made of an elongated strip of sheet metal and having its longitudinal edges overlapping, one edge being bent inwardly and then reversely to provide spaced in-



wardly extending members having a space therebetween, the other edge being bent inwardly and extending into said space.

20,950
PROCESS FOR POLYMERIZING HYDROCARBON GASES
William B. Plummer, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Original No. 1,991,353, dated February 12, 1935, Serial No. 577,231, November 25, 1931. Application for reissue February 7, 1936, Serial No. 62,779
16 Claims. (Cl. 196—10)



11. The process of obtaining low boiling hydrocarbon oils which comprises passing unsaturated hydrocarbon gases through a heating zone and heating said gases to an elevated temperature while being maintained under a relatively high superatmospheric pressure to accomplish polymerization thereof, separately heating hydrocarbon oil heavier than gasoline to an elevated temperature to crack the higher boiling oil into lower boiling ones, simultaneously passing the products resulting from the aforementioned polymerization and cracking to a common separating zone, and separating the desired low boiling hydrocarbon oils from lighter and heavier products.

PATENTS

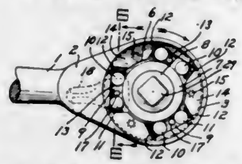
GRANTED DECEMBER 13, 1938

2,139,649
DISPLAY STAND
Louis Aanerud, Chicago, Ill., assignor to F. H. Noble & Co., Chicago, Ill., a corporation of Illinois
Application May 11, 1936, Serial No. 79,090
6 Claims. (Cl. 287—103)



1. A device for connecting a plurality of parallel wires comprising a body formed with a transverse wall and a pair of separated engaging portions integral with said transverse wall and with plane inner faces defining a slot adapted to receive said wires, and a spacing ring arranged to fit over said engaging portions of the body and space said wires apart, the ends of said engaging portions projecting beyond the outermost wire in the slot and being arranged to be swaged thereover into gripping engagement therewith.

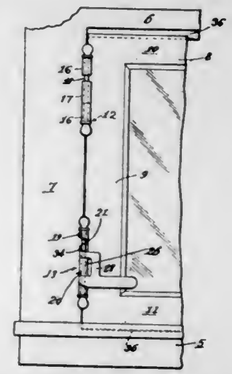
2,139,650
WRENCH
John Keith Anderson and Truman Johnson, Detroit, Mich.
Application August 1, 1936, Serial No. 93,753
1 Claim. (Cl. 81—60)



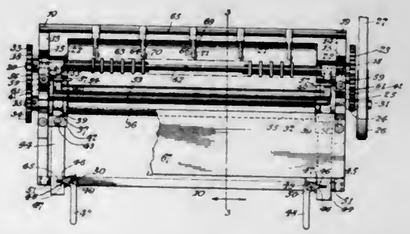
In a wrench, a handle having a head, a rotor rotatably mounted in the head and having a cylindrical periphery, the head being provided with a series of recesses arranged about the cylindrical portion of the rotor, a pair of rollers in each recess, spring means urging each roller into locking engagement between the cylindrical portion of the rotor and the bottom of the respective recess, the wrench head having a cylindrical recess in one side provided with an undercut edge, an annular member rotatably mounted in the circular recess, a snap ring positioned between the undercut edge of the circular recess and the annular member to retain the annular member in position, a series of pins carried by the annular member and extending into the recesses between the rollers therein, the arrangement being such that turning movement of the annular member in one direction moves the pins to disengage one roller of each pair from locking engagement and reverse rotation of the annular member moves the pins to disengage the other roller of each pair from locking engagement.

2,139,651
SASH HINGE FIXTURE
Uriah S. Applegate, Walnut Acres, Calif.
Application June 27, 1936, Serial No. 87,788
1 Claim. (Cl. 16—160)

A fixture for windows having a sash which is mounted in the frame to move vertically and also swing horizontally comprising a hinge having a leaf adapted to be secured to the frame and a leaf adapted to be secured to the sash, one of said hinge leaves having a pair of knuckles, the hinge leaf secured to the sash having a single knuckle, the inwardly facing ends of the knuckles of the frame leaf having cam surfaces, a pivot pin passing through said knuckles of said leaves to pivotally connect the same, and an operating lever having a pair of upper and lower cam operating knuckles engaging the pivot pin between the knuckles of the hinge leaves, whereby when the operating lever is swung on the pivot pin the movable leaf will be raised to permit the same to swing horizontally.

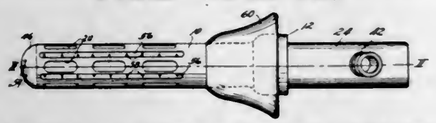


2,139,652
COATING MACHINE
August M. Becker, New York, N. Y., assignor to Frank A. Becker, Cliffside, N. J.
Application May 4, 1938, Serial No. 205,942
12 Claims. (Cl. 91—51)



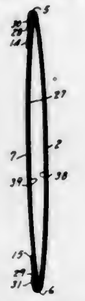
1. In a coating machine, the combination of a rotary drum for collecting and distributing a coating of adhesive; of a wiper roll operating in coaction with the drum for controlling the thickness of said adhesive; means carried by the wiper roller for scraping the ends of said drum free of adhesive, means at one end of the drum for driving the same and means at the opposite end of the drum for driving said wiper roller at the same axial speed as the drum when in operation, and tensioned means for feeding the material to be coated to said drum.

2,139,653
SYRINGE
Frank R. Belfrage, Kansas City, Mo.
Application May 11, 1936, Serial No. 79,070
1 Claim. (Cl. 128—241)



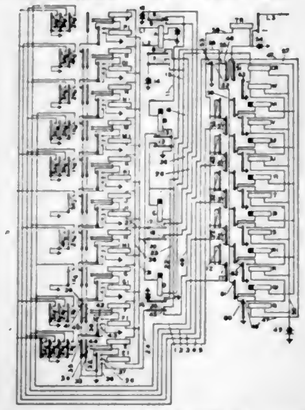
A syringe comprising a tubular barrel having a plurality of longitudinally disposed bores formed therethrough from end to end thereof; a series of radially extending openings formed through the outermost wall of the barrel in communication with each bore respectively; a plurality of relatively large openings formed through the wall of said barrel intermediate said bores and in communication with the well of the barrel; a removable tip closing one end of the barrel, having an annular groove in communication with all of said bores at one end thereof, and provided with a number of tubular openings therethrough, all in communication with said annular groove and each being small in diameter with respect to the diameter of said bores, said tip having a relatively large axial opening formed therethrough in communication with the well of said barrel, said tubular openings being on a line circumscribing the said large axial opening; a removable handle closing the other end of the barrel having a circular cavity extending inwardly from one end thereof in communication and in longitudinal alignment with the well of said barrel and an annular groove in said one end circumscribing the said cavity, said longitudinal bores being in communication with the circular cavity at their other ends; a radially extending hollow stem integral with the handle in communication with the circular cavity therein; and another radially extending hollow stem integral with the handle in communication with the cavity therein.

2,139,654
MOISTUREPROOF ENVELOPE
Eugene B. Berkowitz, Kansas City, Mo., assignor to Berkowitz Envelope Company, Kansas City, Mo., a corporation of Delaware
Application June 23, 1937, Serial No. 149,905
6 Claims. (Cl. 229—68)



1. An envelope of the character described including front and back portions, a moisture-proof lining interposed between said front and back portions and having margins projecting beyond side edges of said portions, sealing flaps on one of said portions and folded with said margins over the other portion to form a seal of said lining on the sides of said envelope, and gum on said sealing flaps for sealing said flaps with said other portion.

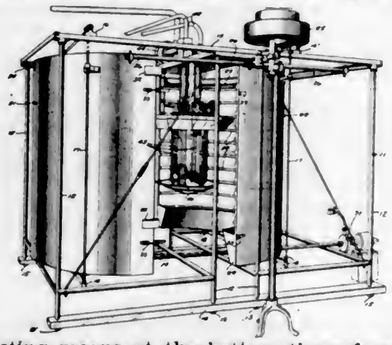
2,139,655
SELECTOR-TRANSLATOR
Harry R. Allensworth, Columbus, Ohio
Application January 28, 1937, Serial No. 122,827
4 Claims. (Cl. 177—380)



1. In combination, a source of numerical impulse series, a quick acting relay responsive to each impulse of the series, two slow release relays operated by the quick acting relay and maintained operated during the impulses of a series of impulses but releasing between impulse series, a chain of numerical impulse counting relays, means including one of said slow release relays for rendering the counting chain of relays variably responsive to the impulses of the series by counting the number of impulses therein and to maintain such variable responsiveness, a chain of impulse distributing relays for timing the transmission of impulses, means operated by the other slow release relay for energizing all of the relays of the distributing chain when it is released, means whereby the distributing chain of relays when energized maintains the first mentioned slow release relay operated independent of the impulses of the series, means including the distributing relays for thereafter releasing the distributing relays sequentially during a time interval less than the interval between impulse series, means controlled by the counting relay chain in its variably operated conditions for determining whether a marking or spacing impulse is to be transmitted by the distributing relays upon their sequential release at each release independent of the other releases and, at the termination of the release of all the distributing relays, means for releasing the slow release relay maintained operated by the distributing chain of relays.

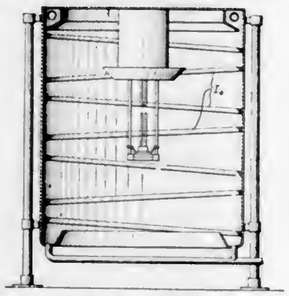
2,139,656
FLUID IRRADIATING APPARATUS
Walter Baeckler, Lakewood, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application June 3, 1933, Serial No. 674,194
Renewed January 16, 1937
16 Claims. (Cl. 250—46)

1. An apparatus for irradiating liquids comprising a supporting frame work including a pair of track members supported thereby; a lamp supporting member extending substantially between said track members at right angles thereto; a pair of semi-cylindrical shell members provided with substantially horizontal baffles on their inner surface; carriage members engaging said track members and operatively connected to said shells to support the same for movement toward and away from each other to form a split cylinder with a vertical axis, said shells including liquid distributing means at the top thereof and liquid



collecting means at the bottom thereof; and a source of ultraviolet energy supported by said lamp supporting member between the shells.

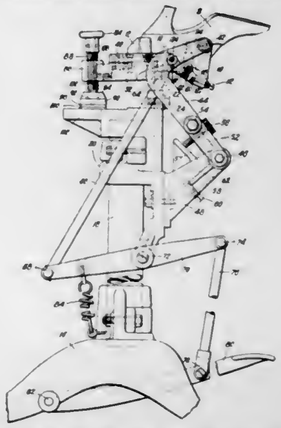
2,139,657
IRRADIATING PROCESS AND APPARATUS
Walter Baeckler, Lakewood, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application March 31, 1934, Serial No. 718,403
7 Claims. (Cl. 99—218)



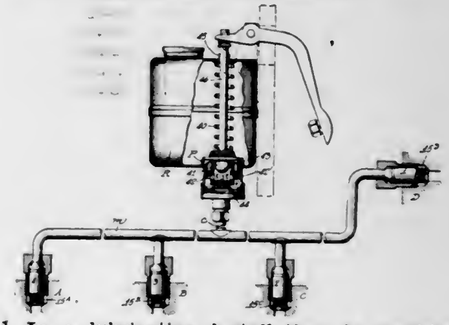
1. An irradiating device comprising, in combination, means forming a supporting surface for a substance to be irradiated, a source of energy so placed that the radiant energy will impinge on a substance flowing on said surface, and a plurality of baffles on said surface, said baffles being spaced at varying distances from each other and being closer together toward the exit from than toward the entrance to said surface.

2,139,658
MACHINE FOR SEPARATING SHOES FROM LASTS
Earl A. Bessom, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application July 14, 1936, Serial No. 90,547
In Great Britain April 1, 1936
19 Claims. (Cl. 12—15.1)

1. A machine for effecting relative movement between shoes and lasts comprising a support for a last with a shoe thereon, a member adapted frictionally to engage the shoe, a carrier for said friction member, an arm upon which said carrier is pivotally mounted, a pivotal support for said arm, a rod pivotally connected to said carrier, and means for urging said rod in a direction having a heightwise and a lengthwise component with respect to the shoe to cause said shoe-engaging member to move the shoe upwardly and forwardly off the last, said lengthwise component being sufficient to develop a frictional gripping pressure between a shoe-engaging member and the shoe.



2,139,659
CENTRAL LUBRICATION
Joseph Bijur, deceased, late of New York, N. Y., by George Bijur, executor, New York, N. Y., assignor to Auto Research Corporation, a corporation of Delaware
Application April 24, 1934, Serial No. 722,100
20 Claims. (Cl. 184—7)

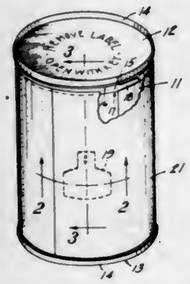


1. In a lubricating installation, in combination, a valve casing having a valve seat, a valve spring-pressed against said seat, said valve being constructed and arranged relative to the casing thereof to afford upon application of pressure to overcome the seating pressure, a minute high resistance crevice for flow of the lubricant past the valve to and through the seat.

2,139,660
CONTAINER
Stellan Birkland, San Francisco, Calif., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application January 15, 1936, Serial No. 59,289
1 Claim. (Cl. 220—52)

The combination of a container having a substantially cylindrical body wall and outwardly projecting seam portions at the opposite ends thereof, a label completely encircling and subtantially covering said body wall and extending substantially from top to bottom of the same, and a key accompanying said container for opening the same and disposed beneath and confined by said

label to protect the key against loss during shipment and handling, said key having a curved shape corresponding to the curved contour of the wall of said container so it will lie closely there-



against without undue bulging and distorting said label, said end seam portions adjacent opposite margins of said label forming abutments to insure against loss of said key from beneath the label.

2,139,661

PROCESS OF STABILIZING CELLULOSE ACETOBUTYRATES

Rudolph S. Bley, Milligan College, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application May 3, 1938, Serial No. 205,716

9 Claims. (Cl. 260—230)

1. The process of stabilizing a cellulose acetobutyrate which comprises introducing a crude cellulose acetobutyrate into anhydrous, liquid ammonia and subsequently separating said cellulose acetobutyrate from said ammonia, said acetobutyrate being substantially insoluble in said ammonia.

2,139,662

PROCESS OF STABILIZING CELLULOSE DERIVATIVES

Rudolph S. Bley, Milligan College, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Original application November 22, 1937, Serial No. 175,979. Divided and this application April 27, 1938, Serial No. 204,602.

9 Claims. (Cl. 260—230)

1. The process of stabilizing a crude saturated cellulose acetate stearate which comprises introducing a solid, saturated cellulose acetate stearate into anhydrous, liquid ammonia and subsequently separating said cellulose acetate stearate from said ammonia.

2,139,663

PROCESS OF STABILIZING CELLULOSE DERIVATIVES

Rudolph S. Bley, Milligan College, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Original application November 22, 1937, Serial No. 175,979. Divided and this application April 27, 1938, Serial No. 204,601

15 Claims. (Cl. 260—230)

1. The process of stabilizing a saturated, mixed cellulose ester which comprises introducing a saturated mixed cellulose ester into anhydrous, liquid ammonia and subsequently separating said ester from said ammonia, said ester being substantially insoluble in said ammonia.

2,139,664

PROCESS OF STABILIZING CELLULOSE DERIVATIVES

Rudolph S. Bley, Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application November 22, 1937, Serial No. 175,979

9 Claims. (Cl. 260—102)

1. The process of stabilizing a saturated cellulose ester which comprises introducing a crude, saturated fatty acid ester of cellulose into anhydrous, liquid ammonia and subsequently separating said ammonia from said ester, said ester being substantially insoluble in said ammonia.

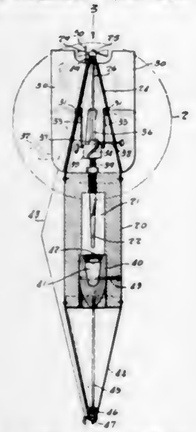
2,139,665

AERIAL BOMB

Norman N. Booker, Philadelphia, Pa., assignor of three-tenths to Elise P. Adams, Philadelphia, Pa.

Refiled for abandoned application Serial No. 751,833, November 7, 1934. This application January 22, 1937, Serial No. 121,777

6 Claims. (Cl. 102—2)



5. An aerial bomb comprising a body having a projecting charge and an explosive projectile, fins pivoted to the body, a block mounted to slide along the major axis of the bomb, means connecting the block tending to pivot the fins, a spring for actuating the block, and manual means for locking the block against action.

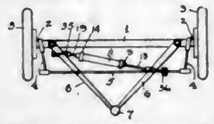
2,139,666

STABILIZER FOR AUTOMOBILE STEERING GEARS

Henry W. Bogart, Lakewood, Ohio

Application October 10, 1936, Serial No. 105,057

11 Claims. (Cl. 280—89)



1. In a steering gear stabilizer for automobiles, a casing, a rod reciprocable within said casing, a member disposed within said casing and movable longitudinally of said casing by said rod, a wedge block movable by said member and having wedging surfaces at opposite sides thereof, brake shoe holders disposed adjacent said sides of the wedge block and having wedging surfaces inclined oppositely to those of the wedge block, brake shoes mounted in said holders, and rollers interposed between said wedge block and said brake shoe holders.

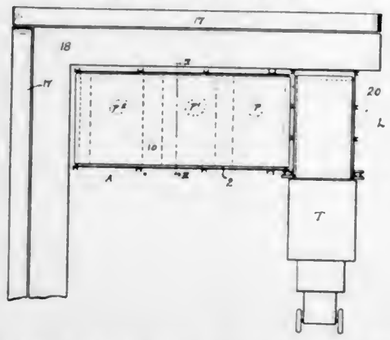
2,139,667

LOADING APPARATUS

Oscar F. Brauer, Lakewood, Ohio, assignor to The Cleveland Shopping News Company, Cleveland, Ohio, a corporation of Ohio

Application February 6, 1936, Serial No. 62,664

10 Claims. (Cl. 214—38)



1. Loading apparatus, comprising a load-assembler, including a reciprocatively movable carriage, an endless belt bottom therefor, a trackway supporting said carriage, means for reciprocatively moving said carriage, and means for moving said belt bottom as the carriage is retracted; and a loader to receive said load-assembler when projected, said loader including a body with an open side next the load-assembler, an endless belt bottom in said loader-body, means for reciprocatively moving said loader-body into and out of a vehicle to be loaded, means for moving the belt bottom as the loader is withdrawn from the vehicle, and a trackway supporting said loader and having its inner portion depressed to a lower level than its outer portion.

2,139,668

OIL COMPOSITION

Ferdinand W. Breth, New York, N. Y., and Anton Kinsel, Petrolia, Pa., assignors to L. Sonneborn Sons, Inc., a corporation of Delaware

No Drawing. Application June 3, 1936, Serial No. 83,268

12 Claims. (Cl. 196—151)

1. A lubricating oil composition comprising a mineral oil deficient in oiliness, and a residue obtained by exhaustively extracting a Pennsylvania residuum with a solvent having substantially the same solvent properties upon said residuum as acetone, said residue being present in amount and potency sufficient to appreciably increase the oiliness of said mineral oil.

2,139,669

SULPHATION OF CHLORHYDRINS

Hyym E. Buc, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application September 15, 1933, Serial No. 689,564

12 Claims. (Cl. 260—458)

11. A reaction product of at least 6 carbon atoms comprising essentially a neutralized chlorhydrin ester, said chlorhydrin ester being formed by sulphating at a temperature not over about 25° C. a chlorhydrin secured from olefines having at least 6 carbon atoms per molecule.

2,139,670

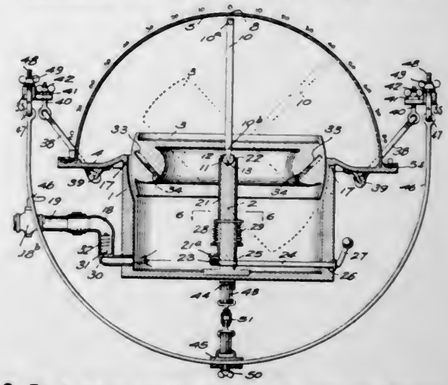
TURN-BANK AND POSITION INDICATOR

Walter K. Burgess, Chanute Field, Rantoul, Ill.

Application February 21, 1933, Serial No. 657,834

17 Claims. (Cl. 33—204)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. In a gyro inclinometer for use on aircraft, the combination of a casing having air intake ports and an air outlet, a gyroscope rotor mounted in said casing to be rotated by the energizing force of air drawn through the casing, and means for drawing air through the casing including a suction conduit in communication with the air outlet of the casing, said conduit having an upwardly turned transparent portion enclosing a ball valve and having graduations marking various points in the lift of the valve.

16. In a device as described, a gyroscope rotor, a bearing structure in which said rotor is mounted, the bearing structure having a plurality of brackets connected thereto, and a fixed member having a plurality of cups each with a packing material, the brackets fitting in said packing material and forming a mounting for the bearing portion of the gyroscope.

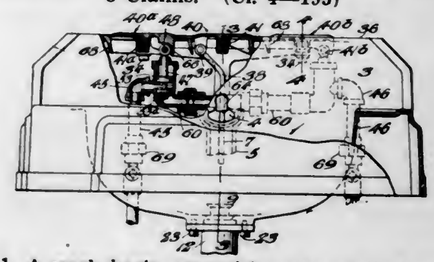
2,139,671

WASHBASIN

Elbert A. Corbin, Jr., Morton, Pa., assignor of one-half to William C. Biddle, Lansdowne, Pa.

Application February 11, 1937, Serial No. 125,174

5 Claims. (Cl. 4—195)



1. A wash basin comprising as a unit, a bowl, an upper extension on the back wall thereof and a horizontal continuation of said upper extension, there being openings in said horizontal continuation, and a plurality of levers for actuating the water and drain valves of said basin mounted in

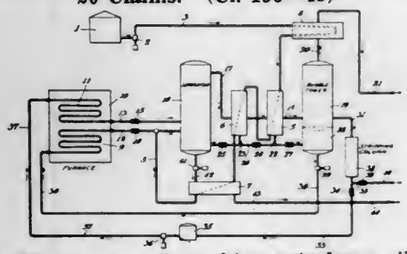
said openings and having their upper surfaces substantially flush with the upper surface of said horizontal continuation.

2,139,672

COMBINED LIQUID PHASE AND VAPOR PHASE OIL CRACKING PROCESS

Butler P. Crittenden, Shreveport, La., assignor to Louisiana Oil Refining Corporation, Shreveport, La., a corporation of Virginia

Application October 25, 1930, Serial No. 491,101
20 Claims. (Cl. 196—48)



1. The process of cracking petroleum oils for the formation of a high anti-knock gasoline, which comprises subjecting the vapors from a cracking operation to a fractional condensing operation in which a relatively heavy product and a relatively light product of higher boiling point than the desired gasoline are obtained, heating the relatively heavy product in a confined stream to a cracking temperature of from 875° to 950° F. and passing the resulting highly heated products through a relatively long transfer line into a separating zone, separating vapors from unvaporized oil constituents in said separating zone, preheating a charging stock for the process and introducing the same into the hot oil products in the said transfer line at a point about 130 feet along said line from said separating zone whereby the mingled products in said transfer line are thoroughly mixed and their temperatures substantially equalized prior to being discharged into said separating zone, heating said relatively light product to a high cracking temperature of from 1000° to 1100° F. while conducting the same in a confined stream through a heating zone, passing the resulting highly heated oil constituents from the heating of said light oil product into said separating zone, wherein they are mingled with the products discharged from said transfer line, subjecting the vapors separated in said separating zone to said fractional condensing operation and condensing a high anti-knock motor fuel product from vapors uncondensed in said fractionating operation.

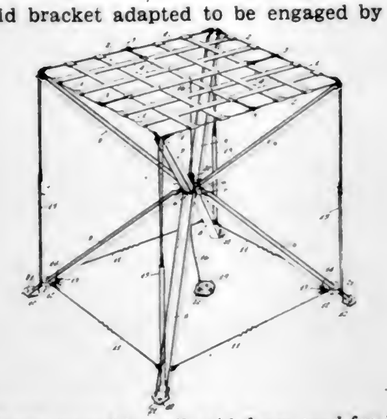
2,139,673

FOLDING CHAIR

Arthur F. Draper, Ferndale, Mich.

Application February 6, 1935, Serial No. 5,232
Renewed March 7, 1938
6 Claims. (Cl. 155—136)

5. In a folding chair, a central bracket, a plurality of arms pivotally attached to said bracket, a plurality of legs pivotally attached to said bracket, said arms and legs being adapted to swing on their pivots to a folded position, a collapsible seat attached to the extremities of said arms, releasable means for holding said arms and legs in unfolded position with said seat extended, feet mounted on the extremities of said legs, a draw cord connected to said seat and extending through said bracket, a retainer connected to said draw cord and adapted to engage said feet to hold said arms in a folded position, and resilient means on said bracket adapted to be engaged by said



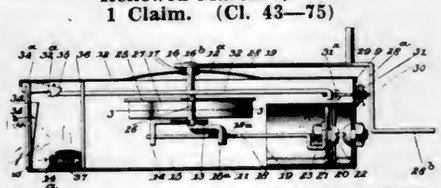
seat when folded to pull said draw cord for holding said retainer in engagement with said feet.

2,139,674

AUTOMATIC RESETTING TRAP

Samuel J. Evans, Princeton, W. Va.

Application January 4, 1936, Serial No. 57,597
Renewed March 9, 1938
1 Claim. (Cl. 43—75)



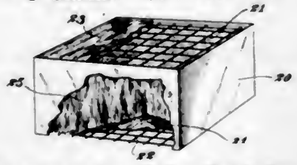
An automatic resetting trap comprising an elongated housing having a bait opening at one end, a pivoted frame having an opening normally registering with said bait opening, a catch connected with said frame, a centrally disposed vertical shaft carried by the housing and arranged to extend exteriorly thereof, a horizontal arm secured to the shaft, said arm extending over the end of the housing and being provided with a downwardly extending portion spaced from the wall of the housing and adapted to pass the bait opening, a spring controlled detent projecting from the housing and arranged to engage the downwardly extending portion of the arm, a spiral spring disposed within the housing for exerting tension on the shaft, and a connection between said spring-actuated detent and the catch at the opposite end for normally maintaining the detent in its arm-holding position, the actuation of the pivoted frame and the catch serving to move the detent to release the arm.

2,139,675

AIR CONDITIONING APPARATUS

Walter L. Fleisher, New York, N. Y.

Application August 15, 1936, Serial No. 96,199
8 Claims. (Cl. 183—45)



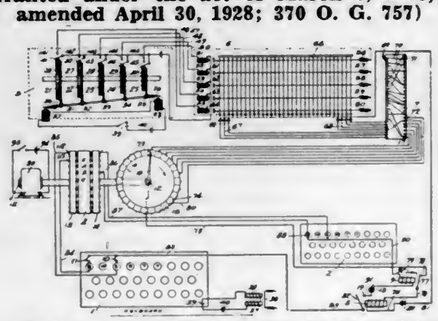
1. In an apparatus of the character described, a casing containing a plurality of oriented capillary threads, retaining means at opposite ends of said threads, and bracing means extending between said threads and secured to said retaining means, to prevent shifting of said threads with respect to the sides of said casing, said bracing means being arranged in the outline of a symmetrical geometric figure proximate the center of said casing.

2,139,676

CRYPTOGRAPHIC APPARATUS

William F. Friedman, Washington, D. C.

Application August 4, 1937, Serial No. 157,383
18 Claims. (Cl. 35—4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



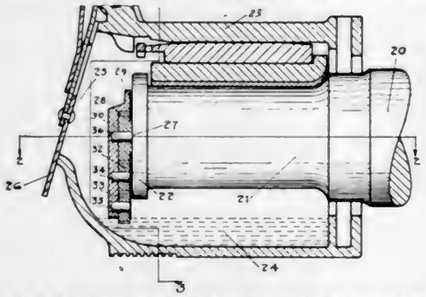
1. In a cryptograph, a keyboard comprising a set of character elements, and a corresponding set of signaling elements in operative electrical connection; means including a cipher rotor mechanism for varying the connections between the character elements and the signaling elements, said mechanism having a multiplicity of potential ciphering positions and being driven sequentially and repetitively at a uniform angular velocity through all said positions, each complete revolution of said rotor mechanism constituting a ciphering cycle and each said ciphering cycle corresponding to the time during which a key of the keyboard is depressed; and means for selecting one of said potential ciphering positions to become the operative ciphering position within a ciphering cycle.

2,139,677

LUBRICATING DEVICE

Nestor Garcia, New York, N. Y., assignor to Pastor R. Pelayo, New York, N. Y.

Application April 12, 1935, Serial No. 16,006
2 Claims. (Cl. 308—84)



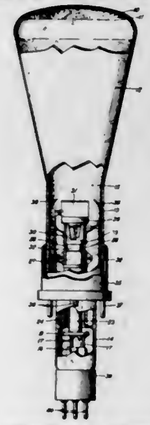
1. A lubricating device comprising an axle to be lubricated, an oil sump, means for conducting oil from the sump to the axle, said means comprising a casing carried by the axle and extending into the sump, a gear pump in the casing, operatively connected to the axle and driven thereby, conduits in the casing receiving oil discharged by the pump, conduits carried by the casing receiving oil from said casing conduits and conducting oil to the axle, said last named conduits being located on opposite sides of the axle and adjacent the periphery thereof, each of said last named conduits having an absorbent strip receiving oil from the conduit and in wiping engagement with the shaft.

2,139,678

ELECTRON DISCHARGE DEVICE

Myron S. Glass, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 10, 1936, Serial No. 104,963
17 Claims. (Cl. 250—162)



1. An electron discharge device comprising a vessel having a fluorescent screen on one end, an electron source at the other end for projecting a stream of electrons to said screen, and a focussing electrical lens system interposed between said source and said screen, said lens system including a control electrode having an apertured thick disc portion before said source, a tubular focussing electrode associated with said control electrode, and an elongated collimating member provided with a bore coaxial with the aperture in said disc portion, located within said tubular electrode and spaced from said disc portion at a distance less than the diameter of the aperture therein.

4. An electron discharge device comprising a vessel having a fluorescent screen on one end, an electron source on the other end for projecting a stream of electrons to said screen, and a focussing electrical lens system interposed between said source and said screen, said lens system including a control electrode having an apertured thick disc portion before said source, an elongated tubular focussing electrode surrounding said control electrode, and an elongated collimating member within said focussing electrode provided with a bore coaxial with the aperture in said disc portion.

2,139,679

DIAMIDES OF UNSATURATED CARBOXYLIC ACIDS AND PROCESS OF MAKING THE SAME

Vernal R. Hardy, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 2, 1937, Serial No. 151,765
16 Claims. (Cl. 260—124)

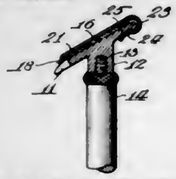
1. A diamide of the formula

R′—CO—NH—R—NH—CO—R′

wherein R is a saturated open-chain hydrocarbon radical of at least six carbon atoms and R′ is an

unsaturated open-chain hydrocarbon radical in which the carbon adjacent to the —CO— group is joined to other atoms only by single bonds.

2,139,680
MINIATURE SAFETY RAZOR
Valentine Heinrich, Los Angeles, Calif.
Application May 11, 1937, Serial No. 141,953
1 Claim. (Cl. 30—33)



A miniature safety razor comprising a handle, a plate detachably applied to said handle and occupying a position immediately adjacent the end thereof, said plate being inclined with respect to the axis of the handle, the front lower edge of which plate is semi-circular in form and provided with substantially parallel teeth, a lug projecting upwardly from the center of the top of said plate, lugs formed on top of the plate adjacent the sides thereof, a blade removably positioned on top of said inclined plate, the sharpened edge of which blade is semi-circular in shape and overlies the teeth on said plate, said blade being provided with an aperture and notches for the reception of the lugs on the upper surface of said plate, a guard plate overlying the blade, the front edge of which guard plate is semi-circular in form and occupies a position adjacent the sharp edge of the blade, a depending hook projecting inwardly from the rear edge of said guard plate and there being a transversely disposed groove formed in the under side of said inclined plate for the reception of the free end of said hook.

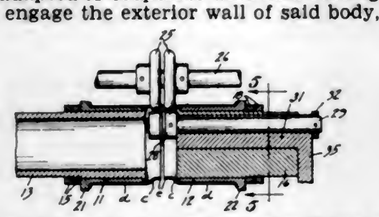
2,139,681
VACUUM MOISTENING PROCESS
Marcus A. Hirschl, Chicago, and Charles J. Merriam, Winnetka, Ill., assignors to The Gaurdite Corporation, a corporation of Illinois
Application October 11, 1937, Serial No. 168,529
2 Claims. (Cl. 131—55)



1. The method of treating a product to moisten it, which comprises subjecting the product to a high vacuum, admitting steam thereto while maintaining a high vacuum, and then breaking the vacuum by admission of air supersaturated with moisture.

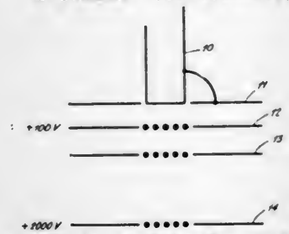
2,139,682
CONTAINER BODY FORMING AND CUTTING MECHANISM
John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Original application June 20, 1933, Serial No. 676,749, now Patent No. 2,056,192, dated October 6, 1936. Divided and this application September 24, 1935, Serial No. 41,950
7 Claims. (Cl. 153—2)

1. An apparatus for making container bodies from tubular bodies which comprises, the combination of rotatable heads for supporting a tubular body, a cutting disc eccentrically mounted in a said head, backing rollers adjacent said cutting heads adapted to cooperate with said cutting disc and to engage the exterior wall of said body, and



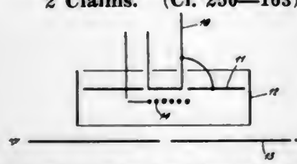
means for turning the mounting of said disc within its head to move said disc outwardly against and through the wall of said tubular body while the body is held by said backing rollers and splitting said body into a plurality of container bodies.

2,139,683
CATHODE RAY TUBE
Max Knoll, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application July 26, 1934, Serial No. 737,023
In Germany July 31, 1933
2 Claims. (Cl. 250—163)



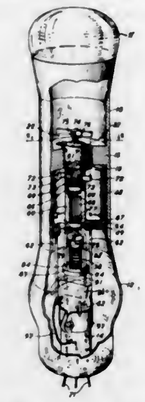
1. In a cathode ray tube the combination of a thermionic emitter, a plane electrostatic guard electrode connected thereto and lying in the same plane as the emitting surface of the emitter, an accelerating electrode positioned parallel to and co-axial to the guard electrode and adapted to be maintained at positive potential relative to said cathode, a second accelerating electrode adapted to be maintained at a positive potential with respect to the first said accelerating electrode, and a modulating electrode extending parallel to and co-axial to the first and second accelerating electrodes and positioned intermediate said accelerating electrodes.

2,139,684
CATHODE RAY TUBE
Max Knoll, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application July 26, 1934, Serial No. 737,024
In Germany July 31, 1933
2 Claims. (Cl. 250—163)



1. An electron discharge device in combination, an electron emitting cathode, an annular electrostatic shield positioned coaxially and in register with said cathode, a mesh-like accelerating electrode disposed coaxially and in register with said cathode, a modulating electrode concentric with the aforesaid elements, and an accelerating annular disc element coaxially positioned with respect to said cathode and positioned more remotely from said accelerating electrode.

2,139,685
ELECTRON DISCHARGE DEVICE
Joseph P. Laico, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 5, 1937, Serial No. 119,083
14 Claims. (Cl. 250—27.5)



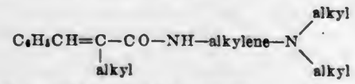
1. An electron discharge device comprising a plurality of filamentary electrodes, supporting members secured to one end of said electrodes, a carrier slidably mounted on said supporting members, a rockable member supported by said carrier and engaging the other ends of said electrodes, and resilient means for tensioning said electrodes engaging said carrier.

2,139,686
WHITE PIGMENT
Ekbert Lederle, Ludwigshafen, Max Günther, Mannheim, and Rudolf Brill, Heidelberg, Germany
No Drawing. Application May 15, 1937, Serial No. 142,918. In Germany March 14, 1934
19 Claims. (Cl. 134—58)

1. A composition adapted for use as a white pigment comprising crystalline zinc-magnesium titanate.

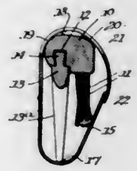
2,139,687
CINNAMAMIDS
William A. Lott, East Orange, N. J., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Original application September 12, 1933, Serial No. 689,158, now Patent No. 2,103,265. Divided and this application May 8, 1937, Serial No. 141,568
4 Claims. (Cl. 260—558)

1. Compounds of the group consisting of



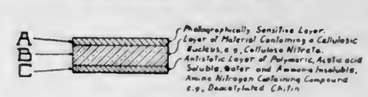
and the inorganic salts thereof.

2,139,688
TOILET ARTICLE CASE
Chessborough James Henry MacKenzie-Kennedy, New York, N. Y.
Application November 16, 1937, Serial No. 174,890
6 Claims. (Cl. 132—88)



1. A case for a combination toilet article, said article comprising a comb and a narrow brush secured to the comb to extend lengthwise thereof with its bristles adjacent the comb teeth, the free ends of the bristles terminating short of the free ends of the teeth, said case being of permanent tubular form and of a length to adequately receive said article upon a relative lengthwise movement of the two, the cross-sectional contour of the case being generally that of the article and the conformation being such that upon pressure being exerted on the back of the article to slide it out of the case, the points of the teeth will freely slide on the adjacent wall of the case, maintaining the bristles against any substantial distortion.

2,139,689
ANTISTATIC PHOTOGRAPHIC FILM
Martin Marasco, Parlin, and Edmund B. Middleton, New Brunswick, N. J., assignors to Du Pont Film Manufacturing Corporation, New York, N. Y., a corporation of Delaware
Application May 15, 1936, Serial No. 80,016
13 Claims. (Cl. 95—9)

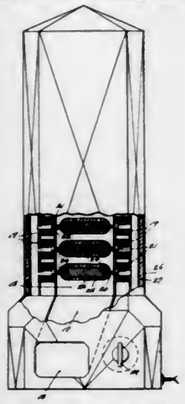


1. In combination, a transparent film support consisting principally of a material having a cellulose nucleus, a coating over said support of a polymeric amino-nitrogen containing organic compound soluble in an equivalent amount of 5% aqueous acetic acid, substantially insoluble in water and 5% aqueous ammonia and capable of forming a coherent film, and on the other side of said support a silver emulsion layer.

2,139,690
WIENER VENDING MACHINE
Samuel Verner McConnell and Robert P. Olsson, Seattle, Wash.
Application March 20, 1935, Serial No. 12,010
Renewed May 11, 1938
21 Claims. (Cl. 219—19)

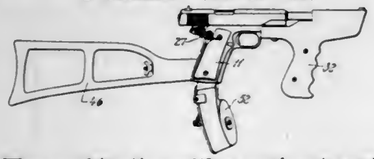
18. A machine for vending a cookable commodity comprising, in combination with a cooking compartment adapted to receive a plurality of the products to be cooked, independent normally incomplete electric circuits for each of said products operating to cook the products, circuit-closing means therefor, mechanism operatively associated with said circuit-closing means acting to automatically govern the same to close one only of said circuits and thereby cook a single product in each cycle of operation of the ma-

chine, and means for releasing the products from



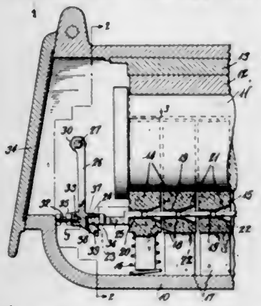
the compartment following the operation of cooking the same.

2,139,691
MACHINE GUN
Charles J. Michal, Jr., Hinsdale, Ill.
Application September 23, 1936, Serial No. 102,100
9 Claims. (Cl. 42—69)



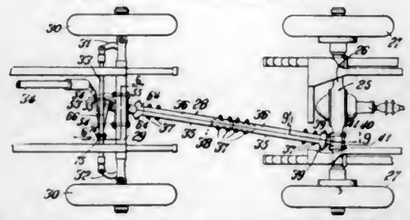
1. The combination with a semi-automatic fire-arm, in which the trigger must be released between successive shots; of means, actuated by the recoil of a recoiling part, said means consisting of a converter operatively connecting said recoiling part with the trigger, whereby to force the release of the trigger against the tension in the trigger-finger of the operator, and to permit this tension to pull the trigger upon the completion of counter-recoil; whereby the fire-arm is rendered fully automatic; and means to render the aforementioned means, while still attached to the pistol, inoperative at will.

2,139,692
LUBRICATOR LOCATING DEVICE
Rudolph W. Miller, Winona, Minn.
Application November 3, 1936, Serial No. 109,017
13 Claims. (Cl. 308—88)



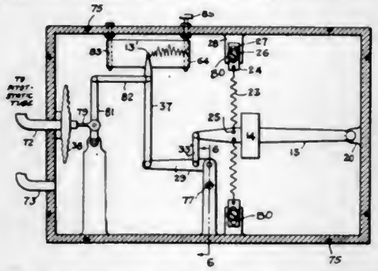
1. A lubricator locating device comprising, in combination: a lubricator comprising a form-retaining element in contact with a journal surface; a rod member projecting from said element to a position beyond the end of the journal; a bracket member held rigid with the journal box; means carried by the bracket member freely engaging the sides of said rod to prevent lateral movement thereof and of said element; means carried by the bracket member freely engaging a portion of the end of the rod member to prevent movement of said element axially of the journal toward its free end; one of said members formed of sections hinged together to permit upward movement of said bracket with the journal box relative to the journal.

2,139,693
AUTOMOBILE TOWING DEVICE
Harry Randall and William Randall, Chicago, Ill.
Application April 9, 1936, Serial No. 73,465
Renewed March 11, 1938
11 Claims. (Cl. 280—33.55)



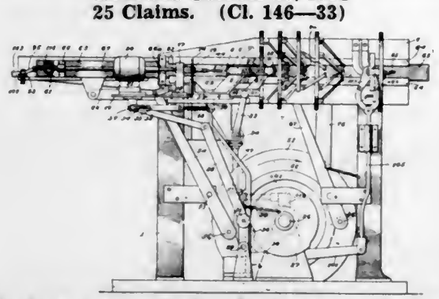
10. In an automobile towing device, the combination of a draw bar, a plate pivotally connected on a transverse axis with said draw bar, a second plate, means for pivotally connecting said two plates together on a vertical axis, comprising a socket in the face of one of said plates adjacent to the other plate, a boss on said other plate having a working fit in said socket so as to permit one plate to swing horizontally on the other plate, and lugs on one of said plates extending along the outer face of the other plate at opposite sides thereof into engagement with outwardly opening groove means on said other plate for securing the plates releasably together so that said boss takes the major part of the working pressure.

2,139,694
AIR-SPEED ACCELERATION RECORDER
Henry J. E. Reid and Richard V. Rhode, Hampton, Va.
Application April 14, 1932, Serial No. 605,324
11 Claims. (Cl. 234—29)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



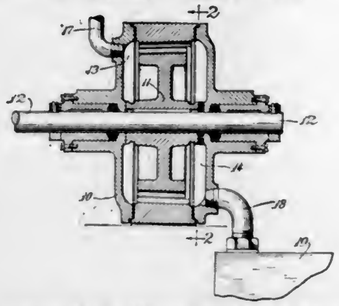
6. An instrument for an aircraft comprising a chart and means for producing a record on said chart, said record producing means including means responsive to accelerations of the aircraft for actuating the record producing means in one direction substantially proportional to the applied acceleration and a second means responsive to dynamic pressure for actuating the record producing means in a direction substantially at right angles to the first direction so that a record of the instantaneous values of applied accelerations against dynamic pressures is made on the chart.

2,139,695
PEAR PEELING, CORING, AND SPLITTING MACHINE
Maurice Reinstein, San Francisco, Calif.; John L. Jacobs executor of said Maurice Reinstein, deceased, assignor, by mesne assignments, to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application June 8, 1931, Serial No. 542,922
Renewed October 26, 1934
25 Claims. (Cl. 146—33)



6. In a pear centering device, a stop having a slot therein, a tubular member projecting through the slot, a rotatable drill mounted in the tubular member, spring means for yieldingly holding the blossom end of a pear against the stop and in a position where the tubular member enters the pear, and means for advancing the drill approximately half way into the pear for forming a bore extending through the core and then for removing the drill from the pear.

2,139,696
TREATMENT OF EGG MATERIAL
Marvin C. Reynolds, Chicago, Ill.; The First National Bank of Chicago and Lulu E. Reynolds executors of said Marvin C. Reynolds, deceased, assignors to The Emulsol Corporation, Chicago, Ill., a corporation of Illinois
Application July 2, 1937, Serial No. 151,647
11 Claims. (Cl. 99—113)

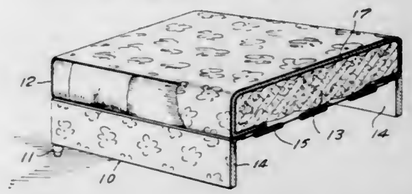


1. A method of treating liquid egg whites which comprises forcing them, under pressure and in a continuous stream, through a narrow space between extended surfaces of a stationary outer member and a rapidly rotating inner member whereby said liquid egg whites undergo a rubbing action and are rendered thinner and whereby undesired matter such as chalazae become readily separable therefrom.

2,139,697
THIOUREA DERIVATIVES
Paul Lawrence Salzberg, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 9, 1937, Serial No. 152,753
14 Claims. (Cl. 260—513)

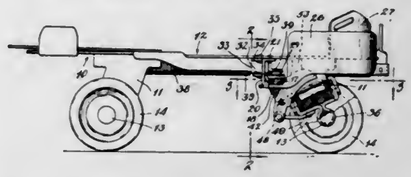
1. A thiourea wherein one of the amido hydrogen atoms on one nitrogen atom is replaced by an acyclic radical which contains at least eight carbon atoms, and another of the amido hydrogen atoms on the other nitrogen atom is replaced by a radical which contains a water-solubilizing polar group.

2,139,698
STUDIO COUCH
Lotte Schreiber, New York, N. Y.
Application May 27, 1937, Serial No. 145,017
6 Claims. (Cl. 5—1)



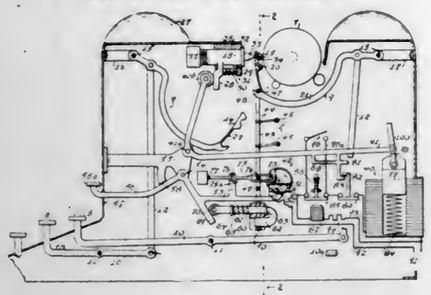
1. In a convertible studio couch in combination a horizontally extending supporting base construction comprising a frame and providing a horizontal supporting area, an individual body of bedding or flexible mattresslike body substantially corresponding to and resting upon said area, which area is marginally unobstructed to permit of freely positioning and of free accessibility of said body thereon; and a top cover piece for said body, having an elastically stretchable opening and adapted and constructed to fit over and to marginally hug said body, so that the cover piece marginal portions are maintained marginally between said body and said horizontal supporting surface, in a manner to give said body the appearance of an individual upholstery section of the couch, said cover piece being readily removable and thereby exposing the bedding body ready for use.

2,139,699
SKATE
Hyman R. Segal, New York, N. Y.
Application October 24, 1936, Serial No. 107,303
18 Claims. (Cl. 280—11.20)



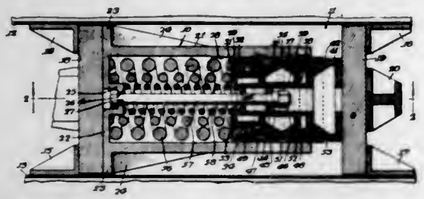
1. In a skate, shoe supporting means, a truck carried thereby, rotatable means carried by said truck, swingable brake means, actuating means operatively connected to said brake means, and pivoted control means for operating said actuating means comprising an arm extending along the inner side of and spaced from the rear portion of said supporting means.

2,139,700
TYPEWRITER ACTION
Harry W. Slavin, Los Angeles, Calif.
Application January 27, 1934, Serial No. 708,610
24 Claims. (Cl. 197—23)



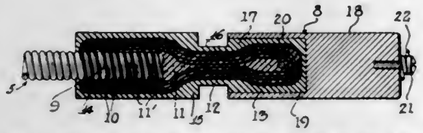
1. In a typewriter, movable type, a platen, means for selectively moving a type into non-printing position adjacent said platen, motor driven means for moving the type from such position against said platen, and means movable to energize said motor driven means and disposed to be contacted by a type moving to non-printing position.

2,139,701
FRICTION DRAFT GEAR
Donald F. Sproul, Chicago, Ill., assignor to Cardwell-Westinghouse Company, a corporation of Delaware
Application May 24, 1935, Serial No. 23,225
10 Claims. (Cl. 213—32)



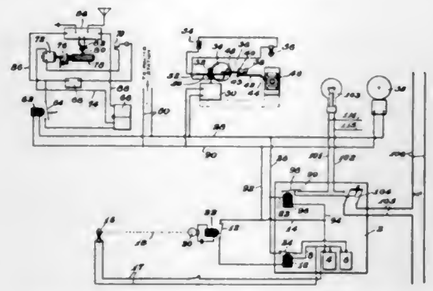
1. In a draft gear, a casing, wedge mechanism including inner, outer and intermediate wedge members within said casing, a plurality of springs, one for each wedge member engaging said members, respectively, and operating independently of each other, for resisting the inward movement of said mechanism during compression and for releasing said wedge members upon the release of said gear, and friction means between said wedge mechanism and said casing.

2,139,702
PLUMBER'S APPLIANCE
Charles H. Tanner, Los Angeles, Calif.
Application January 7, 1936, Serial No. 58,004
2 Claims. (Cl. 287—85)



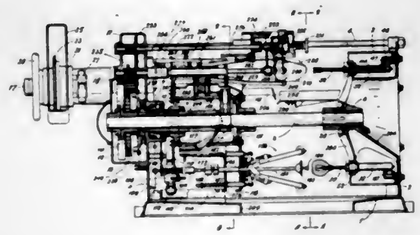
1. A plumber's appliance including a flexible cable and a weighted head, a flexible connection between the head and cable embodying a cord wound reinforced core of gum rubber and an enveloping section of rubber of a harder texture.

2,139,703
BURGLAR AND FIRE ALARM
Edgerton F. Taylor, New Haven, Conn., assignor to Jack C. Lewis, New York, N. Y.
Application January 8, 1937, Serial No. 119,663
2 Claims. (Cl. 177—314)



1. A burglar and fire alarm, comprising in combination a local circuit, a switch for closing said local circuit, means, including a photo-electric cell and cooperating light ray interruptable by a burglar or by smoke, for actuating said switch for closing said local circuit, a camera, means controlled by said local circuit for operating the camera upon the closing of said local circuit, battery means for said local circuit, a flood light, switch means for connecting said flood light to a commercial power line, and means in said local circuit for closing the switch for the flood light when the camera is operated.

2,139,704
FRUIT PREPARATION MACHINE
Albert R. Thompson and William de Back, San Jose, Calif., assignors to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application September 24, 1934, Serial No. 745,252
80 Claims. (Cl. 146—33)



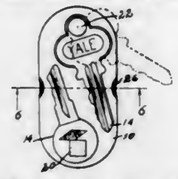
1. In a fruit preparation machine, the combination of fruit supporting means, means for feeding fruit thereto in predetermined axial relation, peeling means operable for peeling fruit impaled upon the supporting means, a splitting blade, a coring knife operatively associated with the splitting blade, means for transferring fruit from the supporting means onto the splitting blade and into operative relation with said coring knife, means for actuating the coring knife in timed relation to the transfer means, means for operating said supporting means to repeatedly receive fruit from the feeding means and to successively present it to the peeling and transfer means, and means for actuating the feeding, peeling and transfer means in timed relation with the operation of the supporting means.

2,139,705
EGG PRODUCT AND METHOD OF PREPARING THE SAME
Samuel Tranin, Kansas City, Mo.; Henry Hanssen executor of said Samuel Tranin, deceased, assignor to Tranin Egg Products Company, Kansas City, Mo.
No Drawing. Application July 9, 1934, Serial No. 734,416
8 Claims. (Cl. 99—113)

1. The method of preparing an egg product, including subjecting liquid egg to an edible coagulating medium to effect coagulation of the egg, dispersing the coagulated egg in a water soluble paste including an edible gum to form a compound, and mixing the compound with uncoagulated liquid egg.

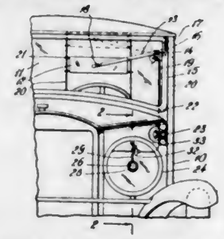
8. An egg product including a frozen mixture of uncoagulated liquid egg, a water soluble edible gum mixture, and acidified coagulated egg, the coagulated egg being dispersed throughout the uncoagulated egg with the water soluble edible gum acting as a vehicle for preventing free separation of any moisture content of the mixture upon thawing of said mixture.

2,139,706
KEY HOLDER
Raymond E. Tyvand, Dayton, Ohio
Application April 8, 1937, Serial No. 135,738
5 Claims. (Cl. 70—456)



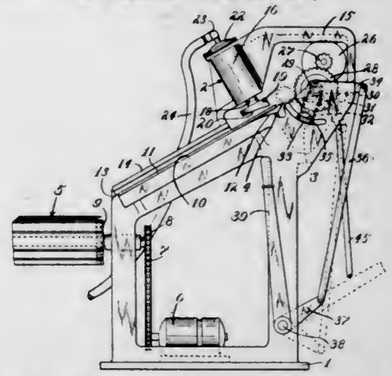
1. A key holder having the keys exposed and adapted for use in a pocket, including a pair of resilient plates one juxtaposed upon the other, means for mounting two pairs of keys exposed upon the outsides of said plates, one pair being located on one side of one of the plates on the side opposite the other plate so as to be nestled in opposite directions when not in use, said keys being exposed for independent manual manipulation, the other pair of keys being mounted in like manner on the other side of the other plate, and means for frictionally holding the keys in position upon the plates.

2,139,707
HEADLIGHT SYSTEM
John W. Van Denburg, White Plains, N. Y.
Application February 27, 1936, Serial No. 66,034
2 Claims. (Cl. 240—45)



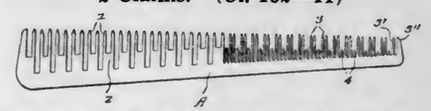
1. In a lighting system for vehicles, the combination of a screen mounted on the vehicle in front of the driver and movable so that it intermittently screens his view in a forward direction and protects his eyes from the glare of headlights on approaching vehicles, said view being unobstructed by the screen when the latter is in one position, a headlight on the vehicle containing a source of light, means for intermittently reducing the amount of light from said source striking the driver's forward field of vision, and means for operating the screen and light-reducing means in synchronism and actuating the light-reducing means to permit the full amount of light from the source to strike said field only when the screen is out of screening position, said operating means maintaining said screen in screening position and rendering said light-reducing means effective for the greater part of each cycle of operation thereof, said source of light being of an intensity such that said field of vision is effectively illuminated for the driver, substantially as described, despite the action of the screen and light-reducing means and said part of each cycle of operations being shorter than the period of persistence of vision.

2,139,708
METHOD OF AND APPARATUS FOR SEPARATING LAMINATED SHEETS
Wade H. Wineman, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application December 24, 1935, Serial No. 56,123
9 Claims. (Cl. 29—17)



1. In a thin plate separating apparatus, a table for receiving a laminated sheet of thin plate, means engageable with the sheet for deflecting and holding in deflected position one end thereof, means movable relative to said deflecting and holding means for cutting the deflected end of the sheet, and means for discharging a jet of compressed air on the cut end of the sheet when the latter is released from its deflected position, to separate the laminations of the sheet by the action of compressed air thereon.

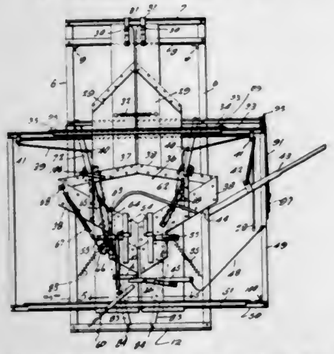
2,139,709
COMB
Carl F. Yaw, Greene, Iowa, assignor of one-half to Leroy W. Meehan, Greene, Iowa
Application June 9, 1937, Serial No. 147,373
2 Claims. (Cl. 132—11)



1. A comb of the class described having teeth arranged in pairs, with short teeth between some of the pairs and partitions between the teeth of

the other pairs, said partitions connecting the inner portions of the teeth, the teeth gradually increasing in length from one end of the comb to the opposite end, the partitions being of the same length and said short teeth gradually increasing in length and said comb having its side faces slightly sloping inwardly from the rear edge of the comb to the front edge, whereby the teeth gradually decrease in width from the bases to the points.

2,139,710
RESTRAINING DEVICE
John C. Yokum, Oakland, Calif.
Application November 19, 1936, Serial No. 111,734
6 Claims. (Cl. 119—98)



1. A restraining device for livestock comprising a skeleton frame structure, a relatively narrow flooring member mounted in said structure and extending from the front to the rear thereof, a pair of door members pivotally suspended from the top of the frame structure at the rear of the latter and movable inwardly towards one another to a closed position substantially in alignment with said floor member, a pair of doors pivotally suspended from the top of said frame structure at the front of the latter and movable inwardly towards one another to a closed position in substantial alignment with said floor member, said last mentioned doors being formed intermediate their ends to provide an opening to receive the head of an animal within the restraining device, cooperating means on the last mentioned door members engageable with the head of an animal to prevent withdrawal of the head of the animal inwardly of the device through said opening, body "squeeze" members pivoted within said frame structure at opposite sides of said flooring for movement inwardly towards one another into pressure engagement with the sides of the animal, and means for moving said "squeeze" members inwardly into engagement with the body of the animal and for securing said members in the desired pressure-contact with the body of the animal to restrain the animal against lateral shifting movement.

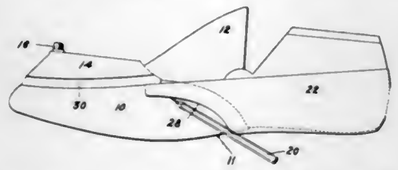
2,139,711
AROMATIC MERCURY MALATES AND PROCESS OF MAKING THE SAME
Carl N. Andersen, Wellesley Hills, Mass., assignor to Lever Brothers Company, a corporation of Maine
No Drawing. Application January 8, 1938, Serial No. 184,034
3 Claims. (Cl. 260—434)

1. An organic mercury compound having the general formula $(RHg)_x.R_1$, in which R represents an aromatic structure to a carbon atom of which the mercury is directly attached and in which none of the carbon atoms has direct linkage with any element other than hydrogen, carbon and mercury; in which R_1 represents the radical of malic acid that is linked to the RHg group through replacement of acid hydrogen; and in which x represents the number of RHg groups in the compound and is an integer of at least one and not more than the number of acidic groups in malic acid.

2,139,712
AROMATIC MERCURY GLUCONATES AND PROCESS OF MAKING THE SAME
Carl N. Andersen, Wellesley Hills, Mass., assignor to Lever Brothers Company, a corporation of Maine
No Drawing. Application January 8, 1938, Serial No. 184,035
3 Claims. (Cl. 260—434)

1. An organic mercury compound having the general formula $RHg.R_1$, in which R represents an aromatic structure to a carbon atom of which the mercury is directly attached and in which none of the carbon atoms has direct linkage with any element other than hydrogen, carbon and mercury, and in which R_1 represents the radical of gluconic acid that is linked to the RHg group through replacement of acid hydrogen.

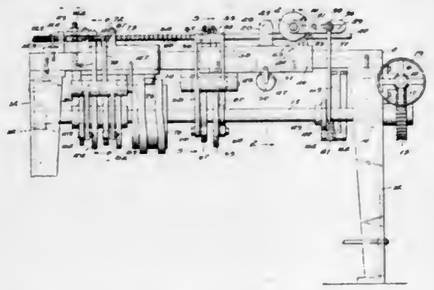
2,139,713
MANUFACTURE OF MOCCASIN TYPE SHOES
Fred Ashworth, Wenham, and Leonard S. Curtin, Malden, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application October 22, 1936, Serial No. 107,050
5 Claims. (Cl. 12—142)



1. An improvement in methods of making that type of shoe comprising a moccasin type forepart and a quarter which consists in lasting the forepart before the quarter is fastened thereto, then indicating on the rear margin of the lasted forepart member the position which the forward margin of the quarter is to occupy thereon, and thereafter securing together the quarter and the forepart in the relative position thus determined.

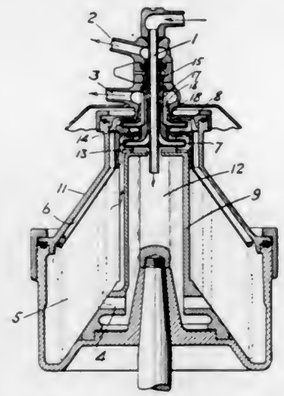
2,139,714
MACHINE AND PROCESS FOR MAKING CORRUGATED TUBING
Andrew Benson, Wilmette, Ill., assignor to Chicago Metal Hose Corporation, Maywood, Ill., a corporation of Illinois
Application January 2, 1936, Serial No. 57,141
15 Claims. (Cl. 153—73)

1. In an apparatus of the character set forth, the combination of support means for supporting a tube, a coacting die member having an opening therein with the central portion larger than the tube and the end portions of less diameter than the tube, with their peripheries shaped to conform to grooves to be made in the tube, and means for reciprocating said die member to bring



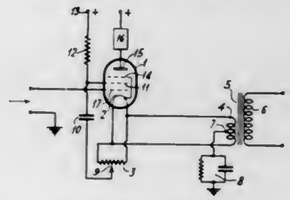
the end portions alternately into engagement with the tube to form annular grooves therein.

2,139,715
CENTRIFUGAL SEPARATOR FOR THE SEPARATION OF LIQUIDS TENDING TO FORM FROTH
Nore Einar Bergner, Stockholm, Sweden, assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application January 9, 1935, Serial No. 976
In Sweden April 21, 1934
2 Claims. (Cl. 233—22)



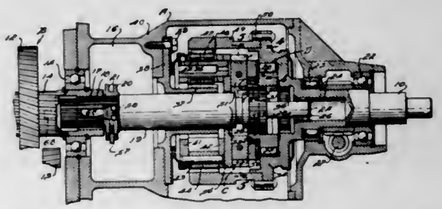
1. A high speed centrifugal separator for the separation of a mixture of liquids of different specific gravities, which comprises a rotary bowl having an upstanding neck and a top disc in the bowl having an upstanding neck spaced from the bowl nesk and providing between them a passage communicating with the peripheral zone of the bowl, upper and lower rotary discharge chambers and stationary disc-like paring devices, one in each discharge chamber, the lower discharge chamber communicating with the space in the bowl at the inner side of the top disc, the neck of the top disc forming the outer wall of the lower discharge chamber, the upper discharge chamber extending outward beyond the lower discharge chamber and beyond the top of the neck on the top disc and communicating with said passage and the upper paring device extending outward beyond the lower one, said greater outward extension of the upper discharge chamber and paring device effecting a generation of pressure in the paring device for the heavier separated liquid higher than that generated in the paring device for the lighter separated liquid.

2,139,716
CATHODE HEATING CIRCUITS
Joseph Douglas Brailsford, London, England, assignor to Radio Corporation of America, a corporation of Delaware
Application September 11, 1936, Serial No. 100,294
In Great Britain October 24, 1935
2 Claims. (Cl. 179—171)



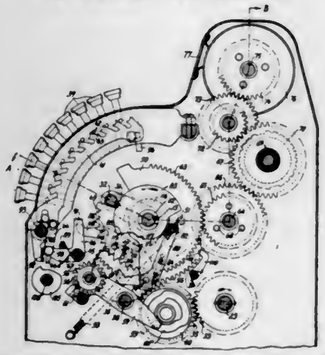
1. An amplifier comprising an electron discharge device having a cathode, a signal grid, an auxiliary grid and an anode, a resistance connected between said auxiliary grid and a source of direct current potential, a transformer connected with its secondary winding to said cathode, the center of said secondary winding being grounded, an input circuit between said signal grid and ground, and means for neutralizing variations in space current resulting from the filament current supply variations comprising a resistance connected across the terminals of said filament and a condenser of low impedance to said variations connected between said auxiliary electrode and an adjustable contact on said resistance.

2,139,717
POWER TRANSMISSION
Carl Breer, Grosse Pointe Park, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application December 6, 1934, Serial No. 756,207
24 Claims. (Cl. 74—260)



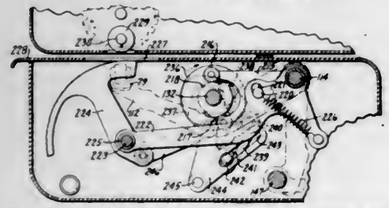
1. In a power transmission mechanism, a drive shaft, a driven shaft, means including a shiftable clutch device driven by one of said shafts and adapted to provide a direct drive between said shafts, means including a gear train for driving said driven shaft from said drive shaft at a speed ratio different from said direct drive, said speed ratio driving means including driving and driven members respectively adapted for driving connection with said shafts, said speed ratio driving means further including relatively movable clutching structures adapted when engaged to provide a drive through said gear train, manually operable means for selectively shifting said clutch device into positions providing said direct drive and providing a drive to one of said speed ratio members, and means responsive to engagement of said clutching structures to releasably lock said manually operable means against operation to shift said clutch device into position tending to establish said direct drive.

2,139,718
CASH REGISTER, ACCOUNTING, AND THE LIKE MACHINE
Ernst Breitling, Berlin-Tempelhof, Germany, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application August 5, 1935, Serial No. 34,766
In Germany July 1, 1935
10 Claims. (Cl. 235—8)



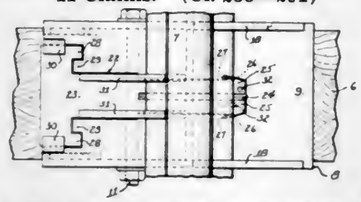
1. In a machine of the class described, the combination of a totalizer, an actuator therefor, a differentially settable member, a latch to latch the actuator to the member whereby the member differentially positions the actuator, said latch normally positioned in such relation to the actuator that the member can move one step before moving the actuator, a pawl normally in position to coact with the latch to move the latch out of one coacting position in relation with the actuator after one step of movement of the member and to move said latch into another position wherein the latch locks the actuator to the member, means to thereafter move the pawl out of coacting position with the latch, and means to disconnect the latch from the actuator after the pawl is moved out of coacting position with the latch to release the member, said member being then movable into a predetermined position after the actuator is released from the member.

2,139,719
CASH REGISTER
Ernst Breitling and Erich Wagner, Berlin, Germany, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland (1926)
Application September 4, 1936, Serial No. 99,328
In Germany September 13, 1935
7 Claims. (Cl. 101—93)



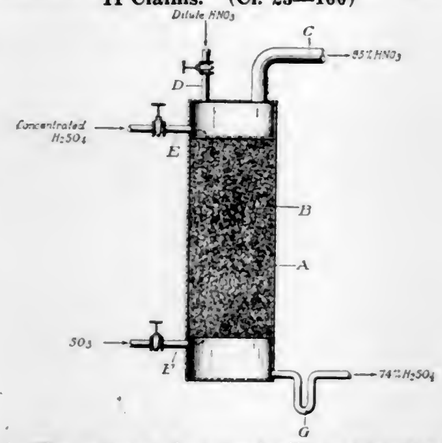
1. In a machine of the class described, the combination of type wheels; a single printing hammer for making impressions therefrom; a retractable actuating member for said hammer; an element for normally retracting and releasing said member a plurality of times during an operation of the machine; and means for selectively holding said retractable actuating member in retracted position, out of cooperative relation with said element to thereby cause said hammer to make a variable number of impressions.

2,139,720
SPIKELESS RAIL PLATE
Joseph G. Briggs, San Jose, Calif., assignor of one-half to Henry D. Gilbert, Los Gatos, Calif.
Application February 21, 1938, Serial No. 191,688
11 Claims. (Cl. 238—291)



1. A rail plate structure comprising a plate adapted to rest upon a cross tie, said plate having a longitudinal slot extending into it from one open end, means upon said plate formed to engage and fit over the base of the rail on the side remote from said open end, a key member having a tongue portion formed to lie within said slot, means upon said key member formed to engage and fit over the other side of the base of the rail, and locking means formed on said plate and the tongue portion of said key member for mutual engagement to prevent longitudinal removal of said key member.

2,139,721
CONCENTRATION OF NITRIC ACID
Fred Carl, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 23, 1935, Serial No. 12,563
11 Claims. (Cl. 23—160)

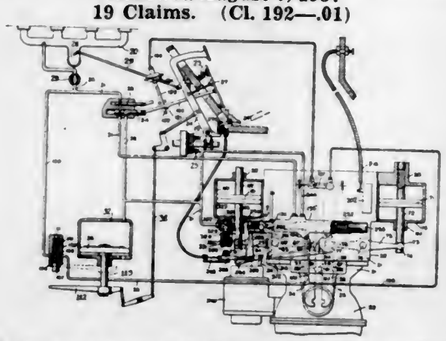


1. The process of concentrating aqueous solutions of volatile acids selected from the group consisting of nitric, hydrochloric, and acetic acids, which comprises establishing in a common path a current of a substantially non-volatile fluid dehydrating agent selected from the group consisting of sulfuric and phosphoric acids and a counter-current flow of gaseous sulfur trioxide, introducing into the common path a current of said aqueous volatile acid in co-current flow with the dehydrating agent, utilizing simultaneously the dehydrative capacity of sulfur trioxide for concentrating the dilute solution and the heat of hydration of sulfur trioxide for distilling the vapors of said volatile acid in a substantially dehydrated condition, and withdrawing the vapors of the volatile acid in concentrated form.

2,139,722
HYDROGENATION OF COUMARONE-INDENE RESINS
William H. Carmody, Pittsburgh, Pa., assignor to The Neville Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application December 2, 1936, Serial No. 113,830
5 Claims. (Cl. 260—7)

1. That method of catalytically hydrogenating coumarone-indene resin comprising removing catalyst poison from said resin and thereby conditioning the resin for hydrogen saturation of the cyclopentadiene ring of the terminal unit of the indene polymer of said resin, then subjecting the resin to gaseous hydrogen in the presence of a hydrogenation catalyst and at a temperature above normal room temperature but below that at which the resin decomposes, and thereby effecting hydrogenation of the resin, and separating the hydrogenated resin from said catalyst.

2,139,723
AUTOMOTIVE VEHICLE CONTROL MECHANISM
Philip M. Carter, White Plains, N. Y.
Application September 21, 1935, Serial No. 41,631
Renewed August 7, 1937
19 Claims. (Cl. 192—.01)



1. In an automotive vehicle having an internal combustion engine, a clutch and a shiftable gear transmission the combination of fluid pressure means for shifting the transmission gears from one speed to another, a movable selector valve controlling the application of fluid pressure to said means, means for returning the selector valve to a predetermined position on stopping the vehicle and means operated by operation of the clutch for moving the selector valve to another predetermined position in starting the vehicle.

2,139,724
MANUFACTURE OF RUBBER ARTICLES AND COMPOSITIONS THEREFOR
Joseph Herbert Coffey, Rhos-on-Sea, North Wales
No Drawing. Application November 19, 1935, Serial No. 50,567. In Great Britain November 24, 1934
2 Claims. (Cl. 106—23)

1. A process of preparing an uncoagulated, readily-able unmasticated non-agglomerated rubber compound which comprises the mixing of a concentrated aqueous dispersion of substantially fibre-free rubber, dry powdered filler, a vulcanizing ingredient, powdered solid rubber, adapted to pass through a 20-mesh sieve, and in part through a 60-mesh sieve, and a stabilizer, the filler and stabilizer being first thoroughly mixed with the said dispersion and the solid rubber subsequently lightly stirred in in sufficient quantity to reduce the proportion of water content to solids enough to produce a putty-like mass, non-coagulable on standing but coagulable by pressure.

2,139,725
LUBRICATING OIL AND LUBRICATION THEREWITH
Elmer William Cook, New York, N. Y., assignor to Tide Water Associated Oil Company, Bayonne, N. J., a corporation of Delaware
No Drawing. Application August 13, 1937, Serial No. 158,916
6 Claims. (Cl. 87—9)

1. The method of lubricating bearings having substantially the corrosion susceptibility characterizing cadmium-silver, cadmium-nickel, and copper-lead alloys, which consists in applying to the bearing surfaces lubricant comprising mineral hydrocarbon oil normally tending to corrode said surfaces and having incorporated therein corrosion inhibiting proportions of triphenyl arsine sulfide.

2,139,726
LUBRICATING OIL AND LUBRICATION THEREWITH
Elmer William Cook, New York, N. Y., assignor to Tide Water Associated Oil Company, Bayonne, N. J., a corporation of Delaware
No Drawing. Application August 13, 1937, Serial No. 158,918
6 Claims. (Cl. 87—9)

1. The method of lubricating bearings having substantially the corrosion susceptibility characterizing cadmium-silver, cadmium-nickel, and copper-lead alloys, which consists in applying to the bearing surfaces lubricant comprising mineral hydrocarbon oil normally tending to corrode said surfaces and having incorporated therein corrosion inhibiting proportions of p-ethoxy phenyl morpholine.

2,139,727
DECK ENGINE CONTROL
March Gail Cook, Sheboygan, Wis., assignor to Sheboygan Machine Company, Sheboygan, Wis., a corporation of Wisconsin
Application January 11, 1937, Serial No. 120,130
8 Claims. (Cl. 114—0.5)

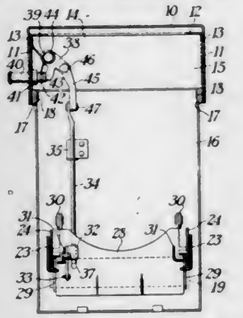


1. The combination with a vessel having a centrally disposed deck engine including a winch, a hawser operating over the winch, and having one end free and hawser guides at opposite sides of the vessel, of a control means in operative connection with said engine and extending thereto from each of said hawser guides and alternatively available for the control of the engine.

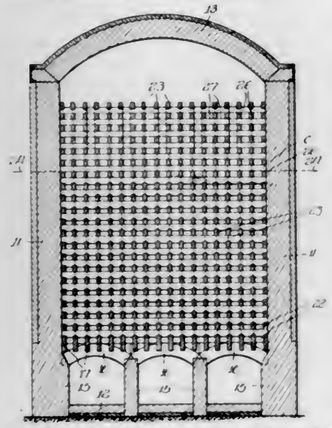
2,139,728
SHUTTER ACTUATING ARRANGEMENT FOR FOLDING CAMERAS
Chester W. Crumrine, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 4, 1937, Serial No. 146,435
7 Claims. (Cl. 95—53)

1. In a photographic camera, the combination

with a camera body, a folding bed hinged to said camera body and movable about an axis to closed and open positions, and a shutter assembly carried by said bed and including an operating arm, of an actuator rod movably mounted upon said bed and for actuating said shutter operating arm, a manually operable means on said camera body including a finger member normally extending from said camera body and including a linkage connected to said finger member, and an articulated connection between said actuator rod and said linkage in spaced relation to said hinge axis, and moved with respect to said hinge axis by said bed when it is moved to closed and open positions, such movement of said articulated connection with respect to said hinge axis respectively retracting said finger member into said camera body and extending said finger member from said camera body.



2,139,729
FOUNDATION FOR CHECKERWORK CONSTRUCTION
George L. Danforth, Jr., Chicago, Ill., assignor to Open Hearth Combustion Company, Chicago, Ill., a corporation of Delaware
Original application March 2, 1936, Serial No. 66,648. Divided and this application July 24, 1937, Serial No. 155,422
4 Claims. (Cl. 263—51)

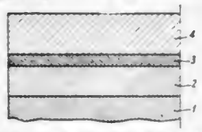


1. In a foundation for a checker assembly, in combination, a plurality of elongated foundation members, arch members extending between and supported by said foundation members, and foundation blocks interfitting with said arch members and supported by said arch members, said foundation blocks having downwardly extending legs providing side bearings for said arch members, which legs at the center portions of said arch members extend throughout the greater part of the vertical dimensions of said arch members.

2,139,730
FILLER MATERIAL FOR WELDING
Joseph Ralph Dawson, Niagara Falls, N. Y., assignor to Oxweld Acetylene Company, a corporation of West Virginia
No Drawing. Application May 4, 1938, Serial No. 205,979
3 Claims. (Cl. 75—160)

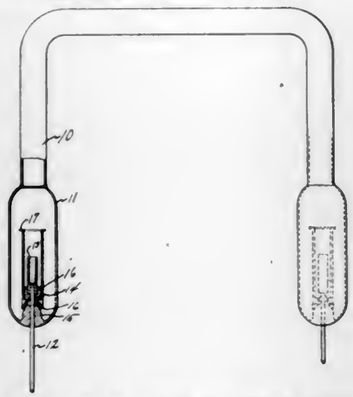
1. Filler material for welding and brazing comprising 0.05% to 0.6% silicon; 0.05% to 0.3% phosphorus; manganese in an amount not exceeding 0.3%; and the remainder copper.

2,139,731
ASYMMETRIC ELECTRODE SYSTEM
Jan Hendrik de Boer and Willem Christiaan van Geel, Eindhoven, Netherlands, assignors to N. V. Philips Gloeilampenfabrieken, Eindhoven, Netherlands
Application May 23, 1936, Serial No. 81,464
In Germany June 1, 1935
7 Claims. (Cl. 175—366)



2. An asymmetrical electrode system, comprising a plurality of metal electrodes, a layer of selenium and an insulating coating between the electrodes and comprising polystyrene which is applied in the liquid state and contains powdered mica.

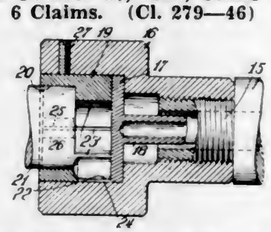
2,139,732
ILLUMINATION
Harry I. Day, Kew Gardens, and Harold D. Ellsworth, New York, N. Y., assignors to Gustavus T. Kirby, New York, N. Y.
Application May 20, 1932, Serial No. 612,408
22 Claims. (Cl. 176—122)



1. A lamp of the class described comprising a tube filled with an associated stable monatomic gas at a pressure not exceeding about 4 millimeters, and an electrode at each end of the tube, the interior of the tube being free from any amount of dissociating catalysts which would cause cumulative dissociation of the gas when operated with current densities of not less than about one and three quarters milliamperes per square millimeter.

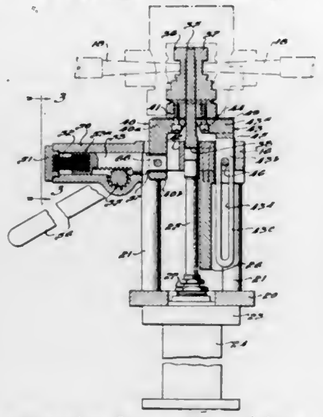
21. An artificially modified gas of the zero group of the periodic table, being associated so as to exhibit a substantially continuous banded spectrum under excitation by an electrical discharge, and said gas being stable at a pressure not exceeding about 4 millimeters under an electrical discharge of more than about one and three-quarters milliamperes per square millimeter in the absence of dissociating catalysts.

2,139,733
COLLET CHUCK
Joseph A. Derrig, Chicago, Ill.
Application October 10, 1936, Serial No. 104,960
6 Claims. (Cl. 279—46)



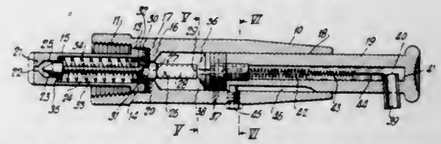
4. In a device of the type described, the combination of a collet in the form of a disc of metal having a socket in centered position in one face and having a plurality of openings in its opposite face in spaced relation to each other, the metal being cut completely through in radial direction at both the inside faces and the outside faces of said openings adjacent to said opposite face of the collet and being cut completely through at said one face also at one of said openings so as to give the collet the form of a split ring, and a spreader member in said one opening serving normally to hold said collet in slightly spread condition for receiving a work-piece into operative position in said socket.

2,139,734
PISTON MOLD MECHANISM
Paul S. Diamond, Detroit, Mich., assignor to Motor Research Corporation, Detroit, Mich., a corporation of Michigan
Application January 22, 1936, Serial No. 60,302
5 Claims. (Cl. 22—93)



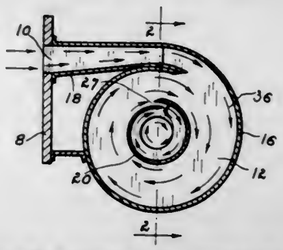
1. An apparatus for casting pistons including a mold comprising three cooperating metal core sections, the central section being movable axially of the piston casting to withdraw it from the mold, a second section being movable transversely of the piston into the space normally occupied by the central section, and the third sections being movable axially with the piston for a limited distance when the latter is removed and in a direction opposite to the movement of the central section.

2,139,735
LATHER DISPENSER
William J. Dobkin, Jackson Heights, Long Island, N. Y., assignor to Mac B. Feinson, New York, N. Y.
Application June 12, 1936, Serial No. 84,789
11 Claims. (Cl. 299—83)



1. A dispenser comprising a cylinder having a bore therein extending inwardly from one end and having an opening through the opposite end, a pump means extending outwardly from said cylinder at said opposite end and forming a closure for said opening and discharging through said opening and having an operating element extending through said opening into said bore, a hollow plunger in said bore adapted to engage said element to operate said pump means and having its interior communicating with the interior of said bore and a soap discharge orifice connected to the interior of said plunger, said pump means being constructed and arranged to deliver a quantity of liquid materially less than the volumetric displacement of the plunger, whereby air is sucked into the cylinder on each outstroke of the plunger.

2,139,736
VORTICAL MUFFLING DEVICE
Kenneth P. Durham, Seattle, Wash.
Application November 19, 1936, Serial No. 111,737
2 Claims. (Cl. 181—58)

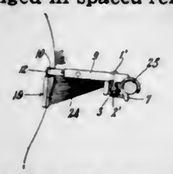


1. In a muffling device, the combination with a substantially cylindrical casing having a tangentially disposed inlet duct for introducing gas under pressure against an inner wall of said casing, of a substantially concentric interior wall forming a separate discharge chamber having an outlet therefrom, said interior wall having a longitudinally extending restricted opening therethrough, the wall-ends forming said opening being overlapped with the outer wall-end projecting into the exhaust chamber, to form a scoop facing the path of movement of said gas.

2,139,737
PERMANENT WAVE CLIP
James Edward Dwyer, New York, N. Y., assignor to E. Frederics, Inc., New York, N. Y., a corporation of New York
Application October 23, 1937, Serial No. 170,526
10 Claims. (Cl. 132—33)

1. A hair wave clip, comprising means for supporting a curling rod, means associated with said supporting means for clamping the supporting means to the hair, said clamping means provided with a supporting bracket having a bearing por-

tion for contact with the scalp, said bearing portion being arranged in spaced relationship to said



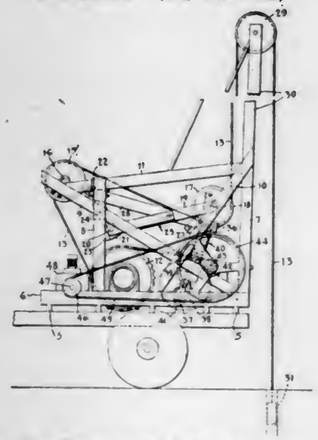
clamping means for maintaining said clamping means away from the scalp.

2,139,738
MEANS FOR LUBRICATING SPRINGS
Warren F. Eisenhauer, Watertown, Mass., assignor, by mesne assignments, to F. L. Jacobs Company, Detroit, Mich., a corporation of Michigan
Application February 12, 1936, Serial No. 63,606
1 Claim. (Cl. 267—37)



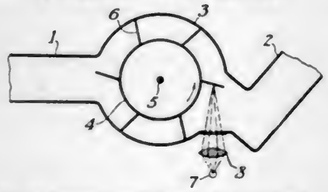
In structure of the character described, a spring having a plurality of spring leaves attached together intermediate their ends and having outer end portions of successive leaves overhanging adjacent leaves, an elongated longitudinally flexible open ended casing enclosing said spring, a fluid tight fabric liner for said casing, said liner cooperating with said end portions of said spring leaves to provide a plurality of enclosed spaces for the retention of lubricant, a filler passage opening into one of said spaces, a plurality of passages in said spring end portions, for introducing lubricant from said spaces to the contacting areas of the leaves adjacent said passages, and means surrounding said spring and closing and sealing the ends of said casing.

2,139,739
WELL DRILLING MACHINE
Howard H. Elmire, Kearny, N. J.
Application February 9, 1937, Serial No. 124,822
8 Claims. (Cl. 255—11)



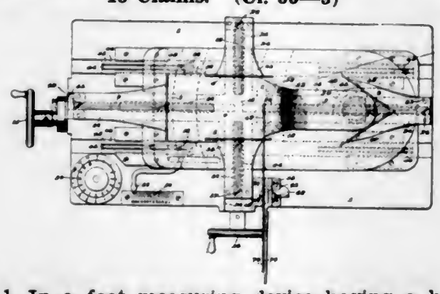
1. A well drilling machine having in combination, a frame, a cable-storage-drum, a stationary sheave, a pair of beams pivotally mounted in said frame, said beams being angularly disposed in relation to each other, a sheave carried by said beams, a cable passing from said storage-drum over said stationary sheave and under the sheave carried by said beams, and means whereby said movable sheave is reciprocated upwardly and downwardly in a vertical plane, its path of travel being away from the stationary sheave on the down stroke and towards said stationary sheave on the up stroke.

2,139,740
PRODUCTION OF HIGH VACUUM AND HIGH VACUUM PUMPS
Norris Dean Embree, Rochester, N. Y., assignor, by mesne assignments, to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware
Application June 24, 1937, Serial No. 150,126
2 Claims. (Cl. 230—69)



1. High vacuum pumping apparatus comprising in combination a sorption surface, means for conveying gas from the chamber to be evacuated to the surface, means for removing gas from the surface at a remote point and means impelled by radiation for moving the sorption surface from the point of gas intake to the point of gas removal.

2,139,741
FOOT MEASURING DEVICE
Jeremiah Fitzpatrick, Weymouth, Mass.
Application June 21, 1937, Serial No. 149,413
15 Claims. (Cl. 33—3)

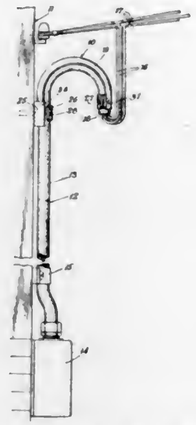


1. In a foot measuring device having a heel stop and a toe stop between which the foot is measured for length, and means for changing the relative position of said stops towards or away from one another, the combination therewith of a foot rest, and means for mounting said foot rest whereby it will move with one of said stops as the relative position of said stops is changed.

2,139,742
SERVICE ENTRANCE DEVICE
Syles R. Fralick, Northbrook, Ill., assignor to Kwikon Company, Chicago, Ill., a corporation of Illinois
Application March 15, 1937, Serial No. 130,840
4 Claims. (Cl. 248—65)

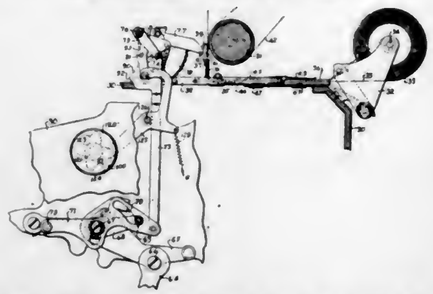
1. A service entrance device for use in an electrical wiring system comprising a generally arcuate bracket having a groove therein extending

along the inner surface thereof adapted to receive the end portion of the sheath of a cable in correspondingly curved configuration, means for mounting said bracket in inverted position on the wall of a building or the like, whereby the ter-



minus of the cable sheath will be disposed downwardly preventing the collection of moisture thereon, and means for detachably securing the curved portion of the cable in position in said bracket groove.

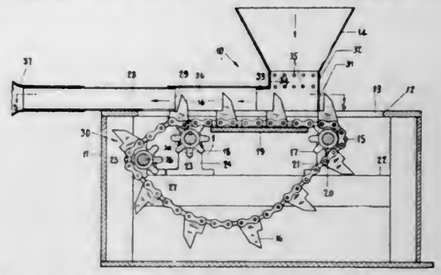
2,139,743
CALCULATING MACHINE
Jesse R. Ganger, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application July 26, 1937, Serial No. 155,595
16 Claims. (Cl. 197—132)



9. In a machine of the class described, the combination of printing means; a platen for holding record material to be printed upon; a tally strip mounted separately from the platen; a storage device for the unused tally strip; means intermediate the storage device and the printing means for feeding the tally strip at each machine operation before the printing takes place; and means to disable the feeding means.

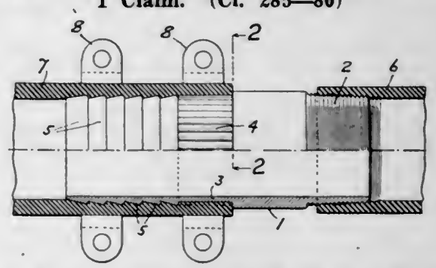
2,139,744
FILLING MACHINE
Max Goldberg, New York, N. Y.
Application May 10, 1937, Serial No. 141,841
5 Claims. (Cl. 226—125)

1. In a filling machine of the character described comprising a covered passageway for filling material, a linked driving member mounted for slidable motion in parallel relation with said passageway and said linked member having pusher arms integrally secured in right angular relation to the respective links and being movable in said passageway, said linked member having an end portion in inclined relation with



said passageway, said passageway terminating in a nozzle and said inclined portion of said linked member being positioned below said nozzle, said inclined portion of said driving member being rotatably mounted on a toothed idler wheel at its lower elevation.

2,139,745
HOSE COUPLING
Howard W. Goodall, Aldan, Pa.
Application April 7, 1937, Serial No. 135,411
1 Claim. (Cl. 285—80)



In a hose coupling including a hose and clamping means and, in combination therewith, a nipple externally cylindrical and provided with associated circumferential ribs and longitudinal ribs of uniform height and to which the inner face of the hose wall is clamped, the circumferential ribs serving to oppose detachment of the hose when pulled, and the longitudinal ribs of uniform height and width throughout their lengths serving to oppose relative movement between the circumferential ribs and the hose wall such as causes leakage when the hose and nipple are relatively twisted.

2,139,746
METHOD OF MAKING WELTING
John B. Hadaway, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 30, 1935, Serial No. 56,693
3 Claims. (Cl. 12—146)



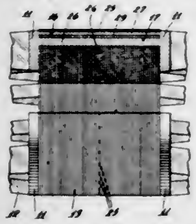
1. That improvement in methods of making welting which consists in providing welting thicker at one edge than the other, splitting the welting into two layers, one thicker than the other,

connected at one edge, said split being substantially parallel to one of the two larger faces of the welting, and turning one layer upside down relatively to the other nearly to double the width of the welting.

2,139,747
IMPREGNATION SOLUTIONS
Bror Olof Häger, Stockholm, Sweden, assignor to Bolidens Gruvaktiebolag, Stockholm, Sweden, a limited joint-stock company of Sweden
No Drawing. Application January 9, 1936, Serial No. 58,323. In Sweden October 22, 1935
5 Claims. (Cl. 134—78.6)

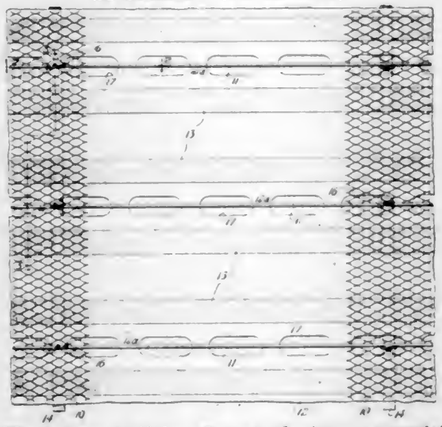
1. An aqueous impregnating solution for wood and like material made by mixing an alkali bichromate and a compound capable of supplying arsenic acid radical with zinc oxide and a salt from the class consisting of zinc chloride, zinc sulfate, zinc nitrate and zinc acetate, whereby upon reduction of the alkali bichromate in situ the alkaline substance produced will be neutralized by the acid radical produced by the zinc salt with resultant production of difficultly soluble zinc arsenate and chromium arsenate.

2,139,748
SQUIRREL CAGE ROTOR AND PROCESS FOR MAKING THE SAME
Fred E. Harrell, Cleveland, Ohio, assignor to Reliance Electric and Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application November 18, 1936, Serial No. 111,455
2 Claims. (Cl. 172—120)



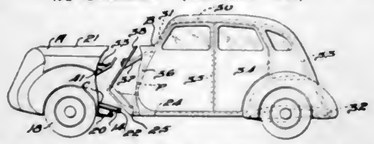
1. In an induction motor, a squirrel cage rotor having inner and outer concentric rows of enclosed conductor bar receiving openings connected together by narrow slit portions, said conductor bar receiving openings arranged below the peripheral surface of the rotor and extending from one end of the rotor to the other, each of said outer enclosed conductor bar receiving openings having intermediate its ends a transverse opening extending to the peripheral surface of the rotor, conductor bars molded in the outer and inner conductor bar receiving openings and the narrow slit portions, end rings molded integrally to the ends of the conductor bars, the inner row of conductor bars comprising a solid molded mass of metal and being large in cross-sectional area to give a low resistance and a high reactance, the outer row of conductor bars comprising a solid molded mass of metal and being small in cross-sectional area to give a high resistance and a low reactance, each of said outer row of conductor bars comprising two end portions and an intermediate portion, said intermediate portion electrically connecting the two end portions together as a solid mass and projecting outwardly through the transverse openings toward the peripheral surface of the rotor to indicate the establishment of the electrical connection between the two end portions.

2,139,749
PARTITION STRUCTURE AND LATHING THEREFOR
Thomas R. Herbest, Jr., Wheeling, W. Va., assignor to The Consolidated Expanded Metal Companies, Wheeling, W. Va., a corporation of West Virginia
Application November 15, 1934, Serial No. 753,150
24 Claims. (Cl. 72—116)



20. A new article of manufacture comprising metallic lathing having secured thereto a backing of transparent and water-proof material.

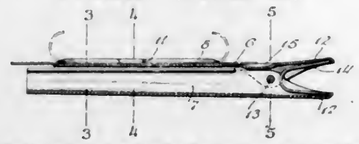
2,139,750
MOTOR VEHICLE
Harold A. Hicks, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application October 21, 1935, Serial No. 45,877
23 Claims. (Cl. 296—28)



5. In a motor vehicle, a closed body structure having a longitudinally extending roof rail and a longitudinally extending bottom rail at each side of the body, the forward end of each of said roof rails extending downwardly to connect with a bottom rail for providing a windshield post and door column, said body structure further including a cowl structure extending forwardly of said door columns, said cowl structure including a transversely extending dash panel, an engine supporting frame comprising a pair of transversely spaced longitudinally extending rails projecting forwardly of said bottom body rails to substantially the forward end of the vehicle, a cowl strut at each side of the vehicle disposed within said cowl structure and having its forward end secured to the inner rear face of said dash panel, said cowl struts sloping upwardly and rearwardly for connection with said door columns respectively, a second strut at each side of the vehicle rigidly secured to one of said frame rails, each of said second struts inclining upwardly and rearwardly and having its rear end terminating adjacent the outer forward face of said dash panel, means for removably securing said rear ends of said second struts to said dash panel respectively at the points of attachment of said cowl struts to said dash panel, said second struts and said cowl

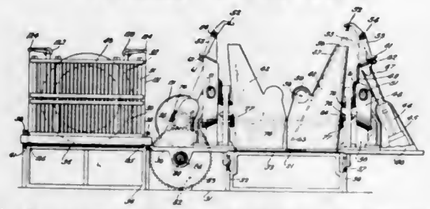
struts having their respective longitudinal axes disposed substantially in alignment at each side of the vehicle and so constructed and arranged as to transmit load thrust therethrough from said frame rails to said door columns and roof rails.

2,139,751
HAIR CURLING APPARATUS
Paul Hitzigrath, Rockville Centre, N. Y., assignor to The Glemby Company, Inc., New York, N. Y., a corporation of Delaware
Application December 29, 1937, Serial No. 182,207
2 Claims. (Cl. 132—33)



1. A hair curler adapted for use in conjunction with a separate bendable curl-binding element in the form of a flat strip, said curler comprising a mandrel having a channel therein for receiving said binding element, with the walls of said channel formed to frictionally retain said element in position therein and said channel being of less length than said element so that the ends of the latter will project beyond the ends of said channel, and a depression formed in said mandrel underlying one end of said element when the latter is in position on said mandrel so that said end may be grasped and bent over a portion of a formed curl.

2,139,752
COPYING APPARATUS
Dwight H. Holmes, Harley T. Burgner, and Eugene D. MacEwing, Chicago, Ill., assignors to Iconograph Company, Chicago, Ill., a corporation of Illinois
Application September 17, 1931, Serial No. 563,260
Renewed January 12, 1938
17 Claims. (Cl. 178—6.6)

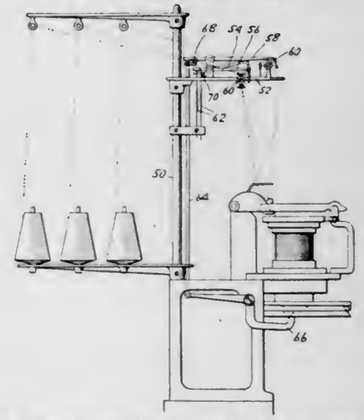


1. A reproducing apparatus, comprising in combination a support for the subject matter to be reproduced, a photo-electric cell, means successively directing light to successive areas of said subject matter for reflection to said photo-electric cell, and a printing mechanism comprising a plurality of printing points positioned to duplicate the arrangement of said areas, an inking medium for said points, and a plurality of magnets electrically controlled from said electric cell and in accordance with the reflection from said confined areas for actuating said printing points.

2,139,753
LEAD CHROMATE PIGMENTS AND PROCESS FOR PRODUCING THE SAME
Samuel C. Horning, Newark, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 20, 1937, Serial No. 126,812
15 Claims. (Cl. 134—67)

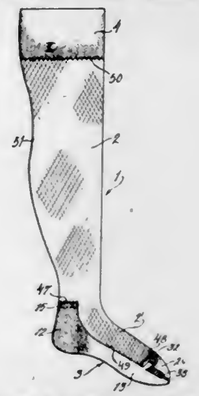
1. In a process for producing a pigment comprising lead chromate, the step of adding to a suspension of precipitated lead chromate for reaction therewith a small amount of a reducing agent comprising a water-soluble, inorganic salt from the group consisting of a metal sulfide, stannous halide and stannous sulfate, the amount of agent so employed being sufficient to restrain the crystal growth of the lead chromate.

2,139,754
KNITTING MACHINE
Wilbur L. Houseman, Maplewood, N. J., assignor to Standard-Trump Bros. Machine Company, Laconia, N. H., a corporation of Delaware
Application April 27, 1935, Serial No. 18,498
14 Claims. (Cl. 66—140)



3. A knitting machine including a circle of needles, a cylinder slidably supporting said needles, means for alternately feeding at least two yarns to the needles at the same feed point in one portion of a fabric, means for taking up a yarn which is not knitting, but which is connected to the fabric, during the formation of said portion of the fabric, and means for clamping said yarns during the formation of another portion of the fabric.

2,139,755
HOSIERY AND METHOD OF MAKING THE SAME
Charles A. Kaufman, New York, N. Y., assignor to Julius Kayser & Co., New York, N. Y.
Application June 28, 1937, Serial No. 150,674
20 Claims. (Cl. 66—183)



1. The method of knitting a full fashioned foot

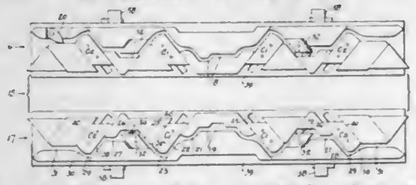
fabric blank, comprising knitting heel fabrics with pairs of paralleling flaps extending therefrom, transferring said heel fabrics to knit thereonto sole fabrics extending in a direction at substantially right angles to that of said flaps, and knitting a toe fabric as a continuation of said sole fabrics with a pair of paralleling flaps extending between the sole fabrics.

2,139,756

SINGLE AND DOUBLE CAST-OFF KNITTING MACHINE

Frank J. Kern, Brooklyn, N. Y.

Application March 11, 1938, Serial No. 195,212
17 Claims. (Cl. 66—63)



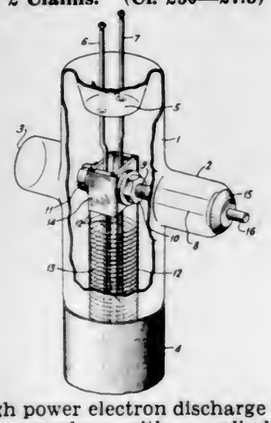
1. A knitting machine comprising two series of needle controlling jacks and cam means for actuating each of said series of jacks, each cam means including means for controlling engagement and disengagement of the jacks in course of the travel thereof, each controlling means including a single transfer cam, and a pair of movable cast-off cams adjacent each end of said controlling means arranged so that one or the other of said pairs of cams actuates the jacks to cause the needles to cast off yarn loops according as the jacks are traveling in respectively one or an opposite direction, one pair of cams being inclined oppositely to the other pair of cams, an intermediate cam portion between the cams of each pair, movable to cause a different path of the jacks when the latter pass in noncast-off direction relative to a pair of cams, and means to move one cam of each of said pairs of cams to a position inoperative for causing the cast-off actuation of the jacks.

2,139,757

ELECTRON DISCHARGE DEVICE

Minne Kuipers and Huibert Gerard Boumeester, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands

Application September 21, 1938, Serial No. 231,060
In the Netherlands September 22, 1937
2 Claims. (Cl. 250—27.5)



1. A high power electron discharge device comprising an envelope with a cylindrical anode sealed gas-tight to an axially extending glass section, cathode leads extending through and sealed in the glass section opposite the anode seal, a wire wound grid on side rods in the anode, and means for supporting the grid concentrically in the anode comprising a stiff self-sustaining rod sealed in the side of said glass section and extending radially across the axis of the envelope, a rectangular block slidable on the inner end of said rod, means for securing the ends of said side rods to the surfaces of said block and for rigidly fixing the position of the block on the rod.

2,139,758

LUBRICANT AND LUBRICATION THEREWITH

Arthur Walther Lewis, Elizabeth, N. J., assignor to Tide Water Associated Oil Company, Bayonne, N. J., a corporation of Delaware

No Drawing. Application December 8, 1936, Serial No. 114,768
10 Claims. (Cl. 87—9)

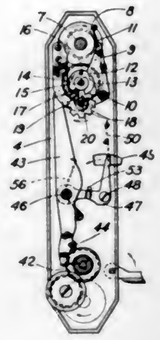
1. The method of lubricating bearings having substantially the corrosion susceptibility characterizing cadmium-silver, cadmium-nickel and copper-lead, alloys, which consists in applying to the bearing surfaces lubricant comprising mineral hydrocarbon oil of a character normally tending to corrode said bearing surfaces and having incorporated therein thio benzanilide in proportion effective to inhibit corrosion of said bearing surfaces during the lubrication thereof.

2,139,759

DOUBLE EXPOSURE PREVENTION CAMERA

Wilhelm Lindenberg, Stuttgart, Germany, assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application September 23, 1937, Serial No. 165,358
In Germany February 25, 1937
9 Claims. (Cl. 95—32)



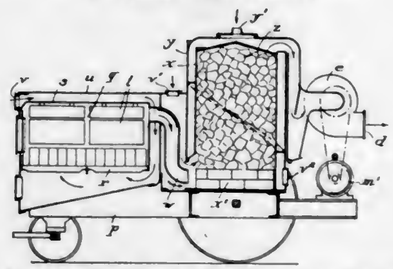
1. In a folding roll holding camera, the combination with a camera body, of a film winding mechanism including a measuring roll and latch carried thereby, a shutter trigger mounted on the camera body, a movably mounted lever adapted to cooperate with the trigger and film winding mechanism and to be moved by the trigger to release the film winding mechanism latch, a movably mounted blocking lever carried by the latch mechanism movable to and from a position to block movement of the lever connecting the film winding mechanism and trigger, whereby movement of the trigger may be prevented.

2,139,760

PROCESS AND APPARATUS FOR THE CONTINUOUS PRODUCTION OF WARM AIR OR GASES, FOR DRYING AND OTHER CONVENIENT PURPOSES

Hanns Lösche, Bad Oeynhausen, Germany

Application September 10, 1935, Serial No. 39,896
In Germany January 29, 1935
7 Claims. (Cl. 34—18)



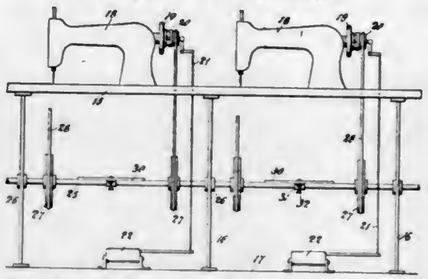
1. A process for the continuous production of warm air or gases, comprising preheating air by burning a combustible material, separately passing a current of said preheated air and a current of combustion gases resulting from said burning to a second combustion space, subdividing the combustion products and air and producing an intensive secondary combustion of said combustion gases with said current of air in said space and evacuating the resulting mixture of hot air and gaseous combustion products from said space.

2,139,761

AIR AGITATOR FOR BENCH MACHINE OPERATORS

Joe Macaluso, New York, N. Y.

Application October 2, 1937, Serial No. 167,046
1 Claim. (Cl. 230—248)



In a factory stitch room having a bench provided with a plurality of machines and a drive shaft below the bench common to all said machines, a plurality of thin flat fan blades composed of elongated rectangular plates disposed lengthwise of their centers on the shaft, in the vicinity of the operators of the machines, U-shaped loops having flat end flanges rigidly bolted on one side of each of said plates and through which said shaft freely passes, and clamp screws carried by said loops to impinge on said shaft whereby said plates may be adjusted along said shaft.

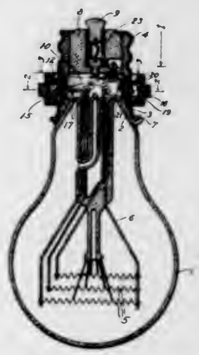
2,139,762

MULTIFILAMENT LAMP

Forrest J. Major, Ocean Park, Calif.

Application February 1, 1937, Serial No. 123,446
9 Claims. (Cl. 176—27)

1. An incandescent lamp comprising a bulb, a plurality of filaments therein, a sleeve of conducting material secured to said bulb, a closure of nonconducting material in the outer end of said sleeve, a lamp terminal contact on said closure, a common ground conductor for said filaments and connected with said sleeve, an insulating member fixed upon the interior of said sleeve, said sleeve having openings therein at points thereof which are opposed to said insulating member, a selector ring of insulating material rotatable upon the exterior of said sleeve



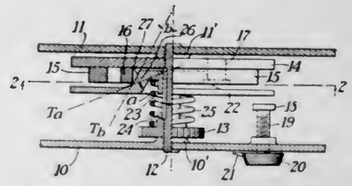
and having a groove therein registering with said openings, a contact segment fixed in said groove, spring contact members fixed to said insulating member and extended through said openings without contacting said sleeve and disposed within said groove in position to be engaged by said contact segment upon turning of said ring, conductors connecting said filaments with certain of said spring contact members, and means for connecting one of said contact members with said lamp terminal contact.

2,139,763

CENTRIFUGAL GOVERNOR

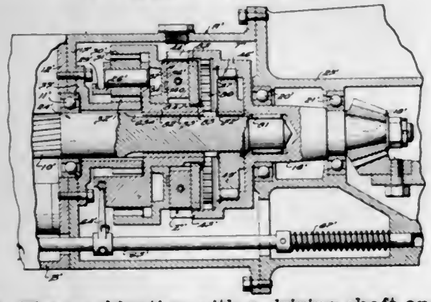
Lawrence R. Martin, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application August 10, 1937, Serial No. 158,360
5 Claims. (Cl. 188—184)



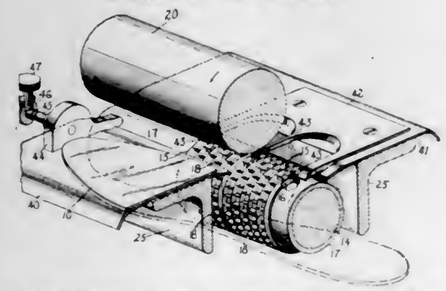
1. In a speed responsive device of the centrifugal type, the combination with a rotor mounted for rotation about an axis, a plurality of weight members each including an actuating portion and each movably mounted on said rotor, a brake means including a brake shoe and a friction member mounted for rotation with said rotor but axially movable with respect thereto, and a resilient means urging said friction member toward the actuating portions of said weight members, of a cam means on said friction member, located so as to be engaged by said actuating portions and having a surface arranged to decrease the rate of axial displacement of said friction member by said actuating portions as said weight members are moved by reason of increased rotational speed of said rotor.

2,139,764
POWER TRANSMISSION
Edwin R. Maurer, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application December 2, 1936, Serial No. 113,771
13 Claims. (Cl. 74—260)



1. The combination with a driving shaft and a driven shaft, of a planetary gearing for driving said driven shaft at a speed different from that of the driving shaft, and a clutch for connecting one of said shafts with one of the members of the planetary gearing, one of the members of said clutch being connected to one of the gears of said gearing, another member of said clutch being arranged to be drivingly connected to one of said shafts, the members of said clutch being so constructed that engagement will not be effected until the two members approach substantial synchronism, an overrunning clutch including inner and outer clutch elements connected one to said driving shaft and the other to said driven shaft, clutch teeth drivingly connected to each of said shafts, and means for shifting at least one of said clutch members and one of the members of said gearing as a unit to engage said clutch teeth for drivingly connecting said shafts for a two-way direct drive therebetween.

2,139,765
MACHINE FOR INCREASING THE FLEXIBILITY OF SOLES
Frank R. Merritt, Haverhill, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Original application September 5, 1935, Serial No. 39,316. Divided and this application December 24, 1936, Serial No. 117,548
3 Claims. (Cl. 12—40)



1. A machine for increasing the flexibility of soles comprising rotary driven cutting means and a cutting bed cooperatively related thereto and spaced therefrom less than the thickness of a sole to avoid cutting through the sole, said cutting means including a series of long parallel cutting edges side by side and spaced apart, and also including rows of short cutting edges between said long edges and angularly related thereto with the ends of all of said short cutting edges spaced from said long cutting edges to avoid intersection, the cutting edges of each row being staggered in relation to those of the adjacent rows, and all said cutting edges lying on the surface of a cylinder.

2,139,766
MINERAL OIL STABILIZING AGENT AND COMPOSITION CONTAINING SAME
Louis A. Mikeska and Charles A. Cohen, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 27, 1935, Serial No. 51,827
6 Claims. (Cl. 87—9)

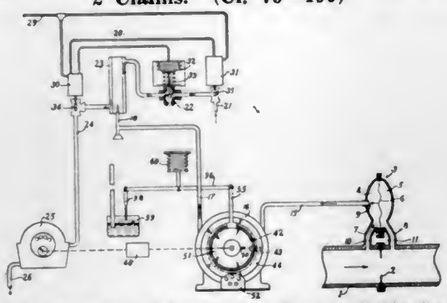
1. A mineral lubricating oil containing a dialkyl diphenol sulfide, containing an alkyl group of 4 to 5 carbon atoms, in an amount sufficient to increase the stability of the oil to oxidation, at temperatures of the order of 200° C.

2,139,767
BUFFERED PHOTOGRAPHIC FILM
Gale F. Nadeau, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Application February 15, 1936, Serial No. 64,103
12 Claims. (Cl. 95—9)



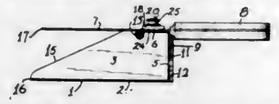
1. A photographic element comprising a support, a sensitive emulsion layer on said support, and a layer containing materials capable of producing a hydrogen ion concentration different from that of the emulsion, said last mentioned layer being buffered to a hydrogen ion concentration approximately the same as that of the emulsion.

2,139,768
MEANS FOR DETERMINING THE HEAT VALUE OF FLOWING FLUIDS
Julius M. Naiman, Chicago, Ill.
Application January 24, 1935, Serial No. 3,224
2 Claims. (Cl. 73—190)



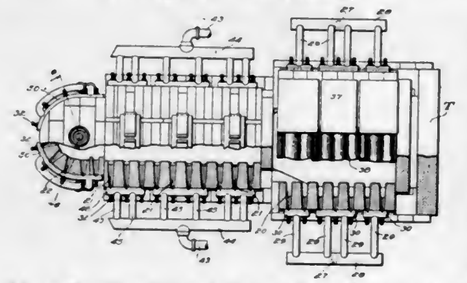
1. Means for determining the available heat, per unit of measure of quantity of fluid, of a stream of flowing fluid, which comprises means for creating a continuous flow of sampling fluid from said stream, a meter for measuring the flow of the sampling fluid, means for transferring the available heat of the sampling fluid to a flowing stream of water, means for maintaining the temperature change of the water constant by regulating the rate of flow thereof, a meter for measuring the amount of water used, and means operatively connected with said meters and responsive to changes in the ratio of the rates of operation of the two meters for determining the heat content per unit of the measure of quantity of the flowing fluid.

2,139,769
SCRAPER ATTACHMENT
Oskar E. V. Oslund, San Francisco, Calif.
Application July 28, 1937, Serial No. 156,124
2 Claims. (Cl. 30—136)



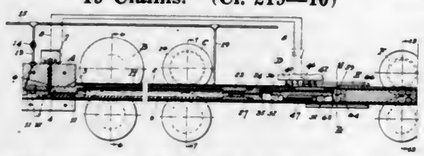
1. An attachment for a scraper comprising a receptacle, and clamps adjustably carried by the receptacle and being movable toward and away from each other to accommodate blades of different widths, said clamps being swingable into angular positions for paralleling and engaging the inclined sides of the blade.

2,139,770
FOREHEARTH FOR MOLTEN GLASS
Karl E. Peiler and William T. Barker, Jr., West Hartford, Conn., assignors to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application September 24, 1935, Serial No. 41,881
11 Claims. (Cl. 49—55)



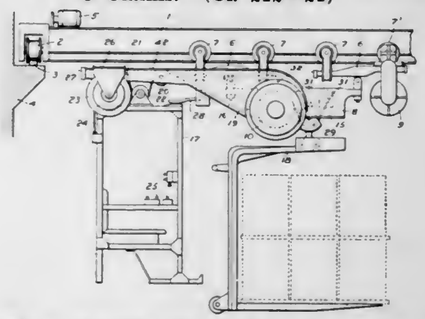
11. A forehearth having a glass flow channel comprising side walls extending above the level of the glass in said channel, means for projecting heated gases into the space between said side walls above the glass in the channel, a substantially horizontal muffle plate of relatively high heat conductivity extending across the space between said side walls above the level of the means for projecting heated gases into said space, and means providing passages at the sides edges of said muffle plate for the escape of gases from the space below said muffle plate.

2,139,771
METHOD AND APPARATUS FOR WELDING
Ernest Riemenschneider, Cleveland, Ohio, assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Application November 3, 1932, Serial No. 640,976
19 Claims. (Cl. 219—10)



1. The method of welding edges of stock consisting of reducing the edges of a cleft to molten condition to create a pool, moving the stock and pool of molten metal over a support, cooling the metal at the bottom of the pool whereby it becomes sufficiently plastic to support the pool after leaving the support, and then subjecting the stock to pressure transversely of the seam to move the edges toward each other to the extent of causing the plastic portions of said edges to abut and extrude molten metal between the plastic edges.

2,139,772
TRAVELING HOIST
William H. Ringe, Berkeley, Calif.
Application August 16, 1937, Serial No. 159,337
8 Claims. (Cl. 212—21)



1. In a traveling hoist of the character described, a motor and a winding drum operated thereby, a rope secured to said drum and extending from one side of said drum suspending the load to be lifted, and a rope secured to said drum and extending from the opposite side of the drum suspending an operator adjacent the load for positive rise and lowering therewith, and remote control means accessible to said operator for controlling travel of the hoist and operation of said drum, both of said ropes arranged to wind on and off of said drum simultaneously as the drum is turned respectively in opposite directions.

2,139,773
PRODUCTION OF VALUABLE PRODUCTS FROM PETROLEUM HYDROCARBONS
Raphael Rosen, Cranford, and Charles A. Cohen, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application March 30, 1934, Serial No. 718,200
4 Claims. (Cl. 260—170)

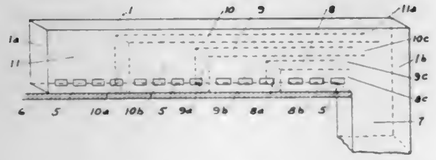
3. A process of separating and recovering constituents of petroleum products which comprises intimately contacting a petroleum product in liquid form with dimethyl phthalate, under circumstances permitting development of a two-phase liquid and separating the two phases by gravity.

2,139,774
SENSITIZING AND HARDENING PHOTOGRAPHIC EMULSIONS
Samuel E. Sheppard, Robert C. Houck, and Raymond H. Lambert, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
No Drawing. Application July 10, 1936, Serial No. 90,000
4 Claims. (Cl. 95—7)

1. The process of hardening gelatino silver

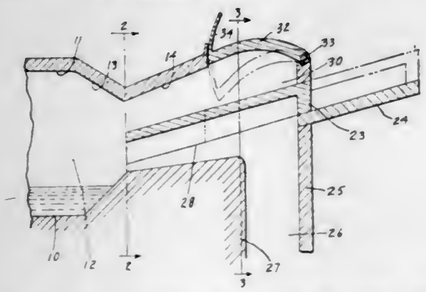
halide emulsions and substantially eliminating after-hardening, which comprises adding a hardening agent to the emulsion, coating the emulsion on a support and drying it, and subjecting the emulsion to moist incubation at a relative humidity of between 50% and 80% and a temperature of between 40° C. and 90° C. conjointly with ripening, for such length of time as will bring the emulsion to substantially uniform hardness.

2,139,775
HEAT DISTRIBUTION FOR BUILDINGS
Charles B. Simoneau, Lynn, Mass., assignor to Ralph S. Taylor, Melrose, Mass., and Francis V. McCarthy, Lynn, Mass., as trustees
Application September 4, 1935, Serial No. 39,137
2 Claims. (Cl. 98—32)



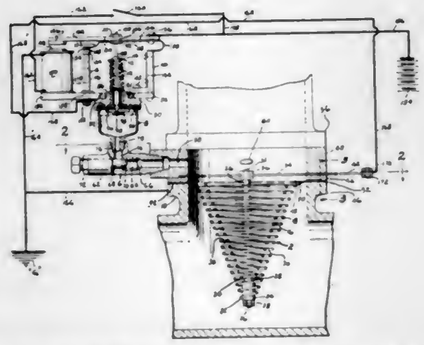
1. In a device of the class described, means for providing diffused baseboard hot air distribution in a room, said means comprising a casing, an intake opening for admission of hot air into the casing, partitions of predetermined unequal lengths dividing the casing into compartments, the partitions forming baffles extending beyond the edge of the intake opening into the path of entering hot air and adapted to intercept hot air entering the casing through the intake opening and distribute it uniformly in the compartments, and openings in the front walls of the compartments adapted to emit hot air uniformly from the compartments into the room.

2,139,776
COMBUSTION DEVICE
Ralph W. Simpson, Warren, Ohio
Application November 12, 1936, Serial No. 110,450
2 Claims. (Cl. 263—15)



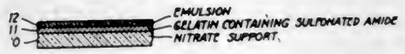
1. In a combustion structure for open hearth furnaces, an inverted U-shaped fuel inlet port member having a pair of downwardly extending walls, a pair of vertical walls having inclined ledges slidably supporting said port member walls so that said port member may be moved along said ledges into a plurality of adjusted positions, a bottom wall between said vertical walls, the cross sectional area of the port formed by said port member and vertical walls varying as said port member changes position along said inclined ledges, said bottom wall and the upper portion of said port member being inclined with respect to each other towards said port, and an air inlet port structure communicating with said port and partly defined by said port member and having an upper wall in diverging relation to said bottom wall, and adapted to vary in effective cross sectional area as the cross sectional area of said fuel port varies.

2,139,777
ELECTRIC AND AUTOMATIC FUEL VAPORIZER
Alois Skok and Noble O. Binley, Pasadena, Calif.
Application December 9, 1937, Serial No. 178,966
6 Claims. (Cl. 123—122)



1. In the apparatus of the class described, comprising, electrically heating means positioned in the manifold and the path of the passing gases, adapted for vaporizing the hydrocarbon fuel while passing through the intake manifold of the internal combustion engine, a magnetically influenced switch means connected to said apparatus and associated with said electrically heating means for automatically closing the electric current controlling switch, thus, causing, the electric current to pass through the said electrically heating means and for allowing pre-heating of the said heating means before and during the operation of the internal combustion engine.

2,139,778
ANTISTATIC PHOTOGRAPHIC FILM
Alfred D. Slack and Albert A. Young, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 1, 1938, Serial No. 193,302
12 Claims. (Cl. 95—9)

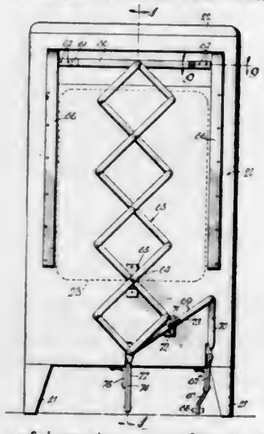


1. A photographic element comprising a support carrying a photographic emulsion layer and an anti-static layer comprising a tauride containing sulfonic derivative radicals corresponding to the formula

$$R{-}CO{-}N\begin{matrix}R_1\\ \\ C_3H_6SO_3X\end{matrix}$$

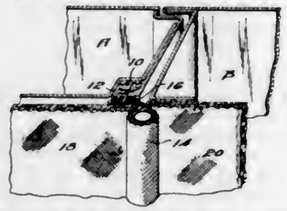
wherein R—CO denotes a radical of a fatty acid of vegetable origin, R_1 is selected from the group of hydrogen, aliphatic straight-chain radicals, aliphatic-aromatic radicals, and aromatic radicals, and X is selected from the group of hydrogen, alkali metals, and organic base radicals, in which tauride the total number of carbon atoms is at least eight.

2,139,779
REFRIGERATOR
Lore Lee Stratton, Cincinnati, Ohio
Application April 22, 1936, Serial No. 75,821
6 Claims. (Cl. 312—192)



6. In a refrigerator, a cabinet structure including a food compartment having an opening for access thereto, a door slidably disposed across said opening within said cabinet, means for guiding said door, a toggle mechanism connected to one end of the door, foot treadle mechanisms connected to the operating end of the toggle mechanism, one of said foot treadle mechanisms closing the door upon downward movement and the other opening the door upon downward movement, said foot treadle mechanisms conveniently located for foot operation.

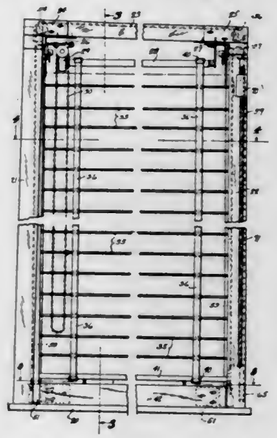
2,139,780
WEATHER STRIP
Clark A. Tea, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application March 27, 1936, Serial No. 71,126
4 Claims. (Cl. 20—69)



1. A weatherstrip comprising a continuous strip of resilient woven wire fabric having rubber molded to its opposite faces and bent upon itself into a substantially hollow loop portion at one edge thereof and a flat portion at the other edge thereof.

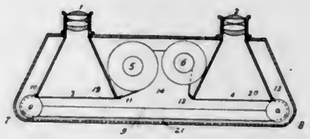
2,139,781
VENETIAN BLIND
Earl M. Trammell, St. Louis, Mo., assignor to Huttig Sash & Door Company, St. Louis, Mo., a corporation of Delaware
Application April 16, 1937, Serial No. 137,292
35 Claims. (Cl. 156—17)

8. In a Venetian blind assembly, in combination with the slats and lifting and tilting means therefor, the lifting means including a lift rail, a metal tenon at each end of the lift rail adapted for adjustment endwise of the rail to vary the effective overall length thereof, a pair of vertical rails, a head rail connecting the vertical rails, and a fitting connecting each end of the



head rail and the adjacent vertical rail, each fitting providing for a variation in spacing and angularity of the head rail and adjacent vertical rail.

2,139,782
FILM HOLDER FOR STEREOSCOPIC PICTURES
Lieuwe E. W. Van Albada, Bloemendaal, Netherlands
Application November 16, 1937, Serial No. 174,753
4 Claims. (Cl. 95—18)

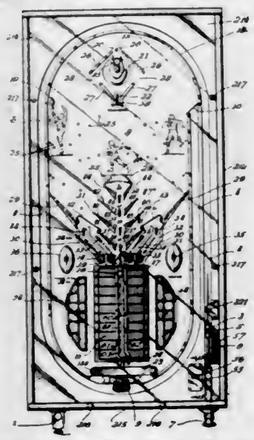


1. A roll-filmholder for stereoscopic pictures, consisting of a plate, bearing the axes for a supply roll and a receiving roll and guiding rolls or rounded guiding supports outside of each image-window or exposure aperture, forming means for guiding a film from the supply roll first to the inner edge of and across one exposure aperture to the outer edge of said aperture, from there successively to the outer and the inner edge of the second exposure aperture and finally to said receiving roll, an opaque partition between said exposure apertures and the filmparts not lying in said apertures.

2,139,783
GAME
Sidney E. Van Tuyl, Chicago, Ill., assignor to O. D. Jennings and Company, Chicago, Ill., a corporation of Illinois
Application March 8, 1935, Serial No. 9,992
12 Claims. (Cl. 273—121)

1. In a game apparatus, a board having a field of play, means for projecting a ball onto said field, means to prevent operation of said projecting means, a member having an initial position adapted to be moved therefrom to release said projecting means for operation and a pin in said board adapted to be projected thereabove

to prevent said ball from entering said field, said pin and said movable member being connected



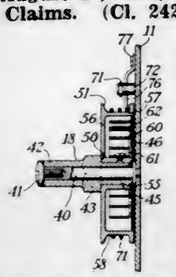
so that the pin retracts when the releasing member is returned to initial position.

2,139,784

MOTION PICTURE CAMERA SUPPLY REEL SPINDLE

Raymond W. Wengel, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Application August 11, 1936, Serial No. 95,363
3 Claims. (Cl. 242—55)



1. In a motion picture apparatus the combination with a support, a spindle rotatably mounted on said support and having a part arranged to receive a supply film reel, a drum loosely mounted on said spindle, a resilient member connecting said spindle and said drum, and a brake band engaging said drum and having one end thereof operatively connected to said support, of a leaf spring secured to said support and having a free end connected to the other end of said brake band to resiliently hold the same in engagement with said drum.

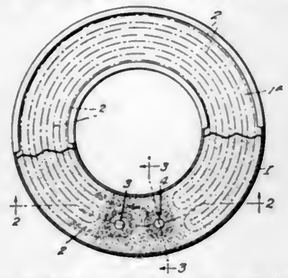
2,139,785

ELECTRICAL HEATING ELEMENT AND METHOD OF MAKING SAME

Edwin L. Wiegand, Pittsburgh, Pa.

Application April 19, 1937, Serial No. 137,642
3 Claims. (Cl. 201—64)

1. The method of making electrical resistor heating elements which consists in introducing into a metal sheath a mass of granular refractory insulating material a portion of which contains a permanent binder and a portion of which is free from permanent binding material, embedding a resistor and the terminals therefor in the insulating material with the terminals in that portion of the insulation containing the permanent binder and the resistor in that portion of the insulation which is free from permanent binder, closing the



sheath and highly compacting and baking the element.

2,139,786

ELECTRICAL HEATING ELEMENT

Edwin L. Wiegand, Pittsburgh, Pa.

Original application April 19, 1937, Serial No. 137,642. Divided and this application November 19, 1937, Serial No. 175,501
2 Claims. (Cl. 201—64)



1. An electrical heating element of the character described comprising a sheet metal sheath in which is arranged a resistor and terminals, the terminals being accessible through one or more openings in the sheath, a highly compacted mass of refractory insulating material enveloping said resistor and terminals, the insulating material adjacent the terminals containing a binder and being compacted into a bonded mass having sufficient mechanical stability to rigidly support the terminals, the insulating material in the region of the resistor differing from the insulating material in the region of the terminals in the amount or character of binding material contained therein and having substantially less mechanical stability and higher heat conducting properties and higher electrical resistivity than the insulating material in the region of the terminals, the entire mass of insulating material being homogeneous and highly compacted.

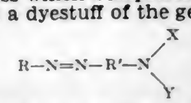
2,139,787

COLORING CELLULOSE ESTERS

August Wingler, Leverkusen-I. G. Werk, and Heinrich Ohlendorf and Hans Lange, Dessau in Anhalt, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application January 9, 1937, Serial No. 119,778. In Germany January 16, 1936
14 Claims. (Cl. 8—50)

1. The process which comprises coloring cellulose esters with a dyestuff of the general formula:



wherein R stands for the radical of a diazotization component of the benzene series, R' stands for a radical of the benzene series bearing the group



in para-position to the azo group, X stands for

an alkylene oxide group, and Y stands for a member selected from the group consisting of hydrogen, alkyl, hydroxy alkyl, alkoxy alkyl and aralkyl radicals, and wherein in the molecule at most one acid salt forming group is present.

2,139,788

METHOD OF MAKING STRUCTURAL BEAM MEMBERS

Harry T. Woolson, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application January 2, 1937, Serial No. 118,736
8 Claims. (Cl. 29—155)



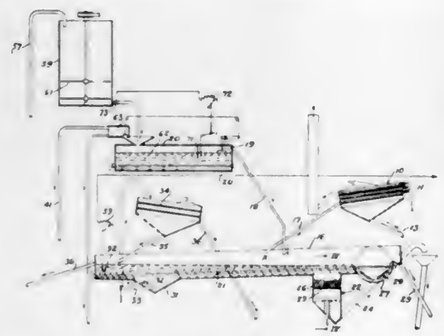
1. The method of forming a structural beam member from a strip of flanged stock comprising removing portions of the web to provide spaced triangular openings overlapping longitudinally of the beam to accommodate and facilitate relative separation of said flanges, and relatively separating said flanges for increasing the height of the beam.

2,139,789

METHOD AND APPARATUS FOR SEPARATING FRAGMENTARY MINERALS OF DIFFERENT SPECIFIC GRAVITIES IN CRUSHED ORES

Charles Erb Wuensch, Berkeley, Calif., assignor to Wuensch Hetero Concentration Process Company, Wilmington, Del., a corporation of Delaware

Application February 4, 1933, Serial No. 655,196
9 Claims. (Cl. 209—173)



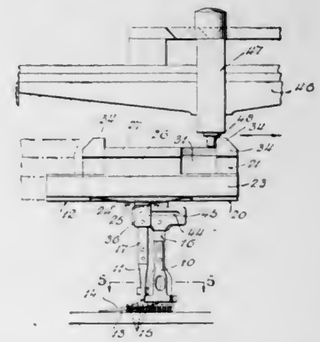
1. The method of separating fragmentary materials of differing specific gravities, which includes the steps of feeding a supply of such material into a fluid medium composed of liquid and comminuted particles of solid matter, inducing a flow of medium and fed material in opposite directions at different levels toward separate outlets, agitating the medium in the lowest zone while maintaining a zone thereabove more quiescent, and providing within the lowest zone a zone intermediate said outlets more quiescent than in the other portions of the lower zone.

2,139,790

PLATING DEVICE FOR KNITTING MACHINES

Michael Zimic, Forest Hills West, and Anton Miskovsky, Astoria, N. Y.; said Miskovsky assignor to said Zimic

Application July 16, 1937, Serial No. 153,914
5 Claims. (Cl. 66—126)



1. In a knitting machine, a yarn carrier comprising two members one of which is supported for longitudinal movements on the other, said members having cooperating means to mount said carrier for reciprocating movements on a trackway, a guide carried by each of said members for feeding separate yarns to the needles of the machine, and means to move the first named member along the other member to alter the positions of said guides relative to each other when the direction of movement of said carrier is changed.

2,139,791

PROCESS OF MANUFACTURING DRY RECTIFIERS

Etienne Barrey, Nanterre, France

No Drawing. Application January 12, 1937, Serial No. 120,181. In France January 16, 1936
12 Claims. (Cl. 175—366)

1. A process of manufacturing dry rectifiers, in particular rectifying elements consisting of a copper part covered with a layer of copper oxide, comprising oxidizing the copper part and then treating said part by passing an electric current through the oxide layer during the crystallization phase of the latter in a bath brought to the oxidizing temperature of copper and constituted of materials which do not give oxygen off to the copper oxide at said temperature, but which are at most slightly reducing.

2,139,792

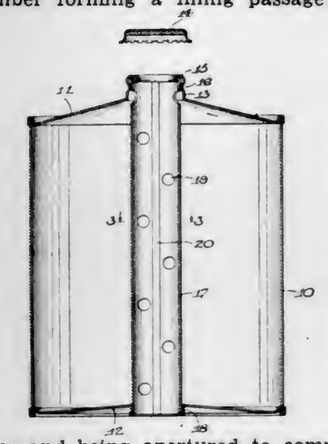
CONTAINER

Adolph B. Bechaud, Fond du Lac, Wis., assignor of one-half to Audrey Jean Bechaud and one-half to Barbara Ann Bechaud, Fond du Lac, Wis.

Application February 1, 1936, Serial No. 61,912
10 Claims. (Cl. 220—1)

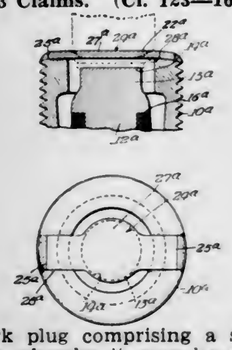
1. A container comprising sheet metal top and bottom walls and sheet metal side walls connecting said top and bottom walls, a closure-receiving neck on said top wall, and a tubular supporting member extending between and engaging said top and bottom walls to resist closure-applying pressure, the upper end of said tubular member

being in register with said neck, and said tubular member forming a filling passage for the



container and being apertured to communicate with the interior of the container.

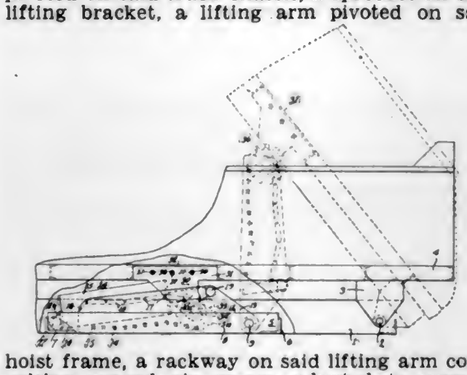
2,139,793
SPARK PLUG
Cecil R. Benton, Vergennes, Vt.
Application June 15, 1936, Serial No. 85,201
3 Claims. (Cl. 123—169)



1. A spark plug comprising a shell provided with means whereby it may be secured to an engine-casing, an inner electrode in the shell having a flat sparking-face at its inner end, and a flat strip forming a coacting electrode, bridging the inner end of the shell, formed separately from and having both of its ends permanently bonded to the shell and comprising an integral central portion having a substantially flat sparking-face parallel with the sparking-face on the inner electrode, said strip being formed of malleable or ductile metal which can be pounded or deflected toward the sparking-face on the inner electrode to vary the gap between the sparking-faces by deformation between its central portion and both of its bonded ends, so that the central portion will remain set and maintain the parallelism between the sparking-faces.

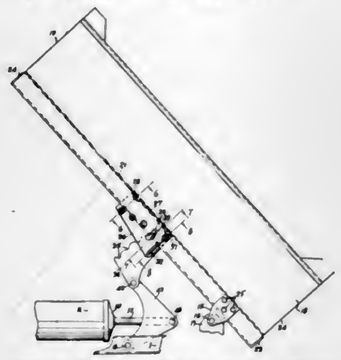
2,139,794
DUMP BODY LEVERAGE
Fred Biszantz, Galion, Ohio, assignor to The Galion Metallic Vault Company, Galion, Ohio, a corporation of Ohio
Application June 24, 1937, Serial No. 150,155
7 Claims. (Cl. 298—19)

1. In leverage mechanism for a dump truck, a hoist frame adapted to be rigidly secured to a truck chassis, a lifting bracket adapted to be rigidly secured to the under side of a dump body pivoted on said truck chassis, a sprocket on said lifting bracket, a lifting arm pivoted on said



hoist frame, a rackway on said lifting arm comprising spaced pin means adapted to support said sprocket, and means supported by said hoist frame to apply tilting force to said lifting arm.

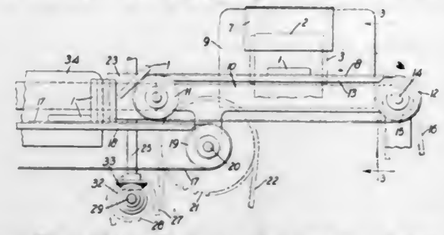
2,139,795
DUMP BODY
Fred Biszantz, Galion, Ohio, assignor to The Galion Metallic Vault Company, Galion, Ohio, a corporation of Ohio
Application November 1, 1937, Serial No. 172,098
3 Claims. (Cl. 298—19)



1. In a dump body linkage for a dump body swingable around a pivot on a frame, a swingable thrust member pivotally supported by said frame; a trackway on said body including a pair of flanged bracket members and plural spaced pin means secured between the bracket flanges, and a sector member pivotally supported by said thrust member and rockable in said trackway, said sector member having therein notches engageable with said pin means.

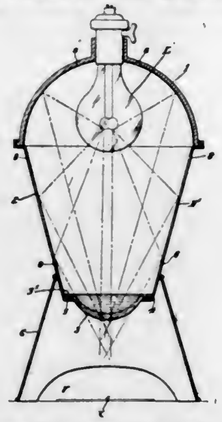
2,139,796
STACKING MECHANISM
John E. Blosser, Glens Falls, and Paul Burke, South Glens Falls, N. Y., assignors to Veldown Company, Inc., New York, N. Y., a corporation of New York
Application November 1, 1934, Serial No. 750,998
2 Claims. (Cl. 198—35)

1. In a machine for delivering articles, in combination, a conveyor for advancing the articles sidewise in spaced and timed relation, a second conveyor in alignment with but below the first, means for driving the second conveyor at a speed to cause the articles delivered from the first conveyor to stand on edge in face to face relation, a pair of side rollers at opposite sides of the second conveyor and spaced apart a distance corre-



sponding substantially to the length of one of the articles for aligning the articles as they pass to the second conveyor, and means for driving said side rollers.

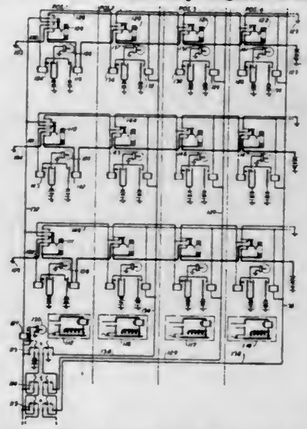
2,139,797
FLUORESCENCE DETECTING APPARATUS
Edward W. Boerstler, Watertown, Mass.
Application April 25, 1936, Serial No. 76,426
6 Claims. (Cl. 250—86)



1. Apparatus for detecting fluorescence comprising a high temperature tungsten filament lamp productive of rays of substantially full continuous spectrum value, a reflector, said lamp being disposed axially of said reflector, and an open-bottomed filter cell beneath said reflector and said lamp, an opaque ultra-violet transmitting lens forming a bottom for said cell, and a body of heat and light filtering liquid permissive of the passage of ultra-violet rays within said cell and of a depth covering said lens.

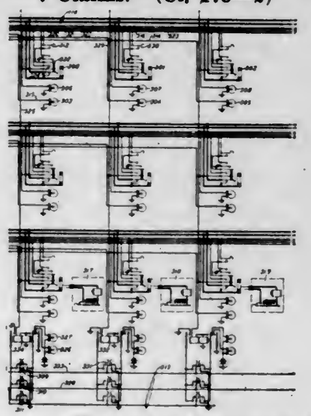
2,139,798
TELEGRAPH SWITCHBOARD SWITCHING SYSTEM
Allen R. Bonorden, Fanwood, Frank J. Carter, Millburn, and Frank H. Hanley, Butler, N. J., assignors to American Telephone and Telegraph Company, a corporation of New York
Application August 26, 1936, Serial No. 98,054
5 Claims. (Cl. 178—2)

1. In a manually operated switching system, a switchboard divided into a plurality of sections, a plurality of two-way circuits for incoming and outgoing messages terminating at said switchboard and multipled to each of the sections thereof, a primary signal lamp and a plurality of secondary signal lamps associated with each of said circuits and respectively located at said sections of said switchboard, and selecting means at each of said sections for transferring a signal displayed on the primary signal lamp at one section to a secondary signal lamp at any



one of the other of said sections as desired, and a receiver at each of said sections whereby an incoming message may be received at any desired section.

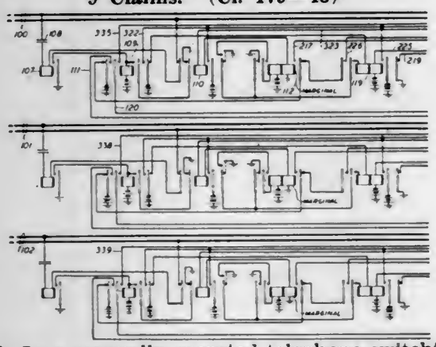
2,139,799
TELEGRAPH SWITCHBOARD SWITCHING SYSTEM
Allen Rudolf Bonorden, Fanwood, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application August 26, 1936, Serial No. 98,055
7 Claims. (Cl. 178—2)



1. In a manually operated switching system, a switchboard divided into a plurality of sections, a plurality of two-way trunk circuits for incoming and outgoing messages, a switching device associated with each of said trunk circuits, a plurality of auxiliary circuits connected in multiple to each of said switching devices and terminating at said switchboard, a primary signal lamp path and a plurality of secondary lamp paths associated to each of said auxiliary circuits and respectively having appearances at different sections of said switchboard, a lamp in each of said paths, a keyset at each section of said switchboard comprising keys for initiating the transfer of an incoming call signal to a lamp in any desired secondary lamp path, and switching means associated with each of said auxiliary circuits for automatically completing the transfer of a call

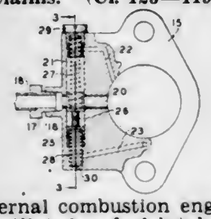
signal incoming over any one of said trunk circuits and appearing at one of the sections of said switchboard, to any one of the other sections of said switchboard.

2,139,800
TELEPHONE SWITCHBOARD SWITCHING SYSTEM
Allen Rudolf Bonorden, Fanwood, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application August 26, 1936, Serial No. 98,056
9 Claims. (Cl. 179—48)



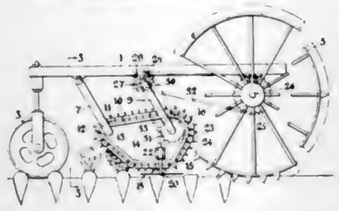
1. In a manually operated telephone switching system arranged for providing different kinds of service, a telephone switchboard divided into a plurality of sections, a plurality of two-way circuits for incoming and outgoing messages terminating at said switchboard, a primary signal lamp path and a plurality of secondary lamp paths connected to each of said circuits and respectively having appearances at different sections, a signal lamp in each of said paths constituting an appearance, a cord circuit at each of said sections, a telephone set connectable to each of said cord circuits, means associated with each of said lamps for permitting a connection between said cord circuit and each of said circuits, a keyset at each section comprising keys for initiating in response to a request for a particular service the transfer of an incoming call signal to a lamp in any desired secondary lamp path, switching means associated with each of said circuits for automatically completing the transfer of an incoming call signal appearing in one section to any one of the other of said sections.

2,139,801
CRANKCASE VENTILATOR
Leonard D. Boyce, Maplewood, Mo.
Application May 14, 1936, Serial No. 79,723
3 Claims. (Cl. 123—119)



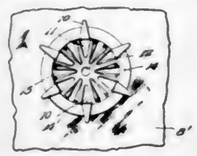
1. In an internal combustion engine, a walled space to be ventilated, a fuel intake passage including a carburetor throttle valve, a conduit connecting said space and said passage and including a chamber, a valve member in said chamber, and suction connections between said chamber and portions of said passage immediately on opposite sides of said throttle valve.

2,139,802
MACHINE FOR TOPPING SUGAR BEETS IN THE GROUND
William Milne Catchpole, Bury St. Edmunds, England
Application November 26, 1937, Serial No. 176,711
In Great Britain December 1, 1936
4 Claims. (Cl. 55—107)



1. A machine for topping beets in the ground, the beets being disposed in rows, which comprises in combination a wheeled frame to be moved along the ground in a direction parallel to the rows of beets, a self-laying track unit adapted, as the frame is moved along the ground, to ride, as regards the active portion of the track, upon the tops of the beets, one at a time, laying its path thereover at substantially the speed of travel of the frame along the ground and so floatably supported upon the frame as to be capable of rising and falling movement relatively thereto always parallel to itself, whereby the active portion of the track is always parallel to the surface of the ground, and knife means carried upon the track unit, so as to be movable as one therewith in the rising and falling movements of the unit, and adapted to shear off the top of the beet upon which the unit is riding, the plane of severance of the beet top being parallel to the surface of the ground and situated below the level of the said active portion of the track.

2,139,803
MATTRESS VENTILATOR
Ernest Cavicchi, Arlington, Mass.
Application March 8, 1937, Serial No. 129,738
4 Claims. (Cl. 5—347)

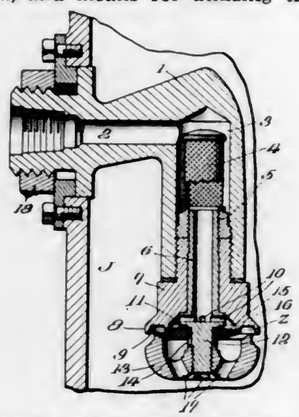


1. A mattress ventilator comprising a body formed with slits spaced from each other, the material enclosed by the slits being bent to form clamping tongues and provide spaced apart ventilating openings through the body.

2,139,804
FUEL FEEDING SYSTEM FOR INTERNAL COMBUSTION ENGINES
Milford G. Chandler, Flint, Mich., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application July 17, 1933, Serial No. 680,838
19 Claims. (Cl. 261—66)

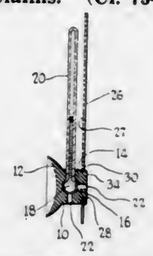
1. A nozzle for pressure fuel feeding systems for internal combustion engines having means for discharging an annular spray of fuel therefrom under pressure including a valve seat and a valve yieldably urged to seated position and adapted

to be opened by the pressure of the fuel to be discharged, and means for utilizing the energy



of said spray for causing air to penetrate and disintegrate said spray.

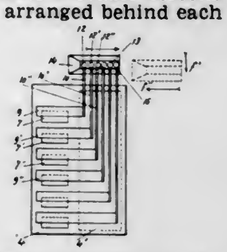
2,139,805
TEMPERATURE INDICATOR
Herbert Chase, New York, N. Y., assignor to United Specialties Sales Corporation, New York, N. Y., a corporation of Delaware
Application August 20, 1936, Serial No. 96,936
2 Claims. (Cl. 73—378)



1. A temperature indicating device consisting of a resilient body including a suction cup and an extending portion of less diameter than said cup behind the same, a thermometer having its bulb embedded in said portion, said portion including openings establishing communication between the thermometer bulb and the surrounding atmosphere, a member having a scale gauged for said thermometer, said member being mounted on and supported by said extending portion of said suction cup.

2,139,806
MACHINE FOR THE CONTINUOUS PRINTING OF NEGATIVE FILMS ON A PLURALITY OF POSITIVES AT THE SAME TIME
Maurice Albert Dalotel, Colombes, France, assignor to Suzanne Rosalie Mathot, Paris, France
Application August 4, 1936, Serial No. 94,172
In France August 8, 1935
11 Claims. (Cl. 88—24)

1. In a machine for the continuous printing by projection of negative films on a plurality of positive films at the same time, a device for regulating the illumination comprising a single source of light, a fixed plate provided in front of each negative with as many narrow windows as there are positives to be printed and arranged one above the other for simultaneously projecting on each positive different adjacent regions of the negative, separate movable screens independent of each other arranged behind each of said windows, and common control means for successively displacing said screens in synchronism with the unwinding of the negative film.



2,139,807
MOTOR VEHICLE
Frederick E. Dayes, Philadelphia, Pa., assignor to American Car and Foundry Motors Company, New York, N. Y., a corporation of Delaware
Original application February 21, 1935, Serial No. 7,491. Divided and this application March 4, 1936, Serial No. 67,050
1 Claim. (Cl. 180—54)

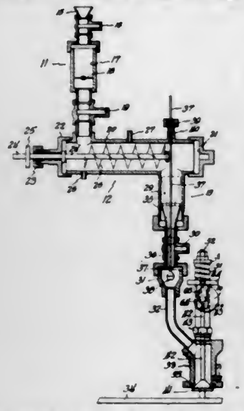


A passenger vehicle including a body having front and rear walls at substantially the extreme ends of the body, front and rear wheels and axles, wheel housings therefor projecting into the body, front and rear springs supporting the body on the wheels, a horizontal engine for driving said vehicle, auxiliary equipment, plate girders forming the side walls of the body, a plurality of pairs of transoms extending from side wall to side wall, said horizontal engine being supported directly by one pair of said transoms and said supporting transoms transferring the main load of said motor directly to said plate girder side walls, other pairs of said transoms transmitting the main engine load from the plate girder walls to the springs and being located forwardly and rearwardly of said engine supporting transoms, a floor above said transoms, the horizontal engine and substantially all the auxiliary equipment being directly supported by said transoms and wholly beneath the floor, whereby, a vehicle is provided having a substantially planar floor extending from front wall to rear wall and unobstructed except for said wheel housings.

2,139,808
APPARATUS FOR PULVERIZING MINERAL AGGREGATES
Reginald S. Dean, Washington, D. C., and John Gross, Minneapolis, Minn., assignors, by mesne assignments, to Chicago Development Company, Chicago, Ill.
Application June 16, 1934, Serial No. 730,974
6 Claims. (Cl. 83—93)

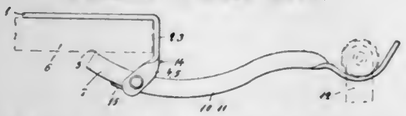
1. Apparatus for explosively disintegrating minerals comprising, a supply chamber for receiving raw material, a preparation chamber adjacent to said supply chamber for treating said material, said supply and preparation chambers being in communication, an explosion chamber adjacent to said preparation chamber for re-

ceiving said treated material for explosively disintegrating the same and for discharging said disintegrated material, said preparation and explosion chambers being in communication, an intake control valve for sealing said supply chamber to the outside, a supply control valve for sealing said supply chamber relative to said preparation chamber, a feed control valve for sealing said preparation chamber relative to said explosion chamber, and a discharge control valve



for sealing said explosion chamber to the outside, whereby material charged into the supply chamber may be maintained above atmospheric pressure throughout its passage through the said three chambers and whereby said preparation chamber may at all times be maintained at a pressure above atmospheric by closing the valves leading to the supply and explosion chambers respectively when these chambers are open to atmosphere.

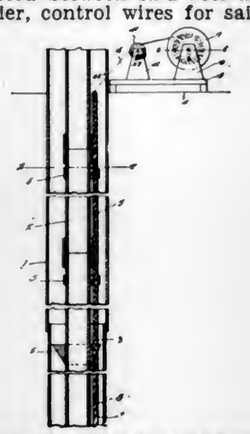
2,139,809
FLATIRON HOLDER
Frans Allan Dolge, Eskilstuna, Sweden
Application April 1, 1936, Serial No. 72,199
In Sweden April 13, 1935
2 Claims. (Cl. 248—117.7)



2. A flatiron holder comprising an upper member having a substantially plane bearing surface on its underside provided with spaced downward extensions shaped to leave a free space throughout underneath said bearing surface, a pivot extending between and carried by said extensions underneath said bearing surface at a distance therefrom, a helical spring surrounding said pivot, a lower member rotatable on said pivot one end of which serves as a bearing edge at its upper side inside said pivot, the other end of said lower member extending outside said pivot and being shaped to form two spaced supporting arms adapted to receive an iron, said spring pressing with one end against one of said extensions and with its other end against said lower member to swing the latter with its bearing edge towards the upper member.

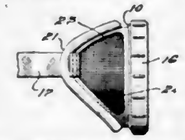
2,139,810
APPARATUS FOR GAUGING FLUID LEVELS
William B. Duncan, Shawnee, Okla.
Application November 4, 1937, Serial No. 172,843
1 Claim. (Cl. 73—305)

An apparatus for finding the fluid level in a well casing having a well tubing therein, said apparatus comprising a reel located above ground, an electrically operative indicator alongside said reel, a tubular guide of flexible material adapted for attachment to said tubing alongside the same, an elongated tubular float carrier vertically slidable in said guide, a hollow cable connected between said reel and the top of said carrier, control wires for said indicator



extending through said cable and terminating at the top of said carrier in a pair of contacts, and an elongated float in the carrier for bridging the contacts, said carrier having formed in the upper end thereof a float chamber and an outlet and inlet port therein at the top and bottom of said chamber respectively, whereby said float is free to rise in the chamber and bridge said contacts before said chamber is filled.

2,139,811
EYE PROTECTION DEVICE
Charles H. Dockson and Harold S. Davis, Detroit, Mich.
Application June 29, 1936, Serial No. 87,854
2 Claims. (Cl. 2—14)

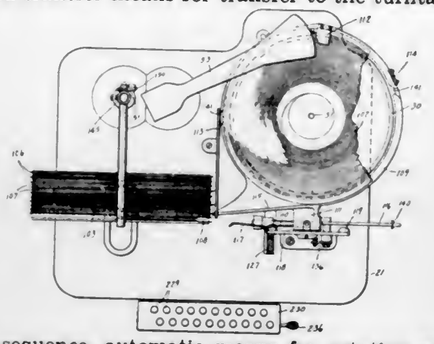


1. In an eye protecting device, an eye cup adapted to hold a lens, said cup being made of a light weight metallic alloy, a reinforcing and comfort rib around the edges of said cup at one of its ends adapted to fit against the face of the bearer and formed integrally with said cup, said cup being provided with a ventilation side opening, and a ventilation and reinforcing screen covering said opening and case into the material of the cup for a substantial distance beyond the edges of said cup at said opening for reinforcing said edges.

2,139,812
AUTOMATIC PHONOGRAPH
Ralph R. Erbe, Fort Wayne, Ind., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill., a corporation
Application December 3, 1936, Serial No. 113,995
11 Claims. (Cl. 274—10)

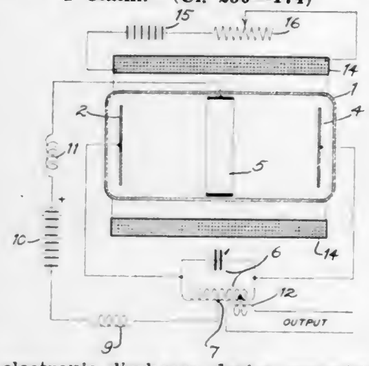
2. In an automatic record changing phonograph, the combination with a turntable and reproducer, of a magazine adapted to hold a plurality of records in vertical parallel relation,

means for supporting said magazine to one side of the turntable for reciprocable and rotary movement relative thereto, means for transferring a record from the magazine to the turntable and returning it from the turntable to the magazine, means for automatically moving said magazine to progressively present said records to said transfer means for transfer to the turntable



in sequence, automatic means for rotating said magazine to reverse the records and present opposite sides thereof to said transfer means and manually actuated selective means movable into the path of movement of the magazine effective to arrest the movement thereof and render ineffective the automatic progressive positioning thereof in sequence, to present the selected side of a selected record for transfer to said turntable.

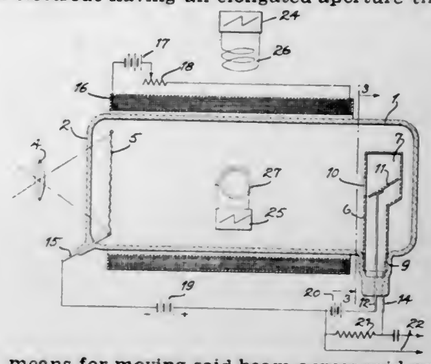
2,139,813
SECONDARY EMISSION ELECTRODE
Philo T. Farnsworth, San Francisco, Calif., assignor to Farnsworth Television Incorporated, San Francisco, Calif., a corporation of California
Application March 24, 1936, Serial No. 70,714
1 Claim. (Cl. 250—174)



An electronic discharge device comprising an envelope containing an apertured anode, and a cathode capable of producing secondary electrons at a ratio greater than unity upon electron impact therewith, said cathode being formed of a nickel-barium alloy with barium approximately one per cent.

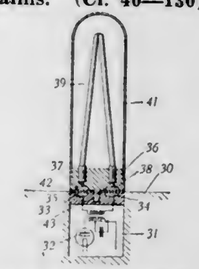
2,139,814
CATHODE RAY TUBE
Philo T. Farnsworth, San Francisco, Calif., assignor to Farnsworth Television Incorporated, San Francisco, Calif., a corporation of California
Application November 2, 1936, Serial No. 108,722
2 Claims. (Cl. 250—150)

1. In a cathode ray tube having an envelope containing means for producing an electron stream having varying electron densities in elementary cross-sectional areas thereof, means for collecting electrons in said areas comprising an electrode having an elongated aperture there-



in, means for moving said beam across said aperture in a path parallel to a long dimension of said aperture, and a collecting electrode positioned back of said aperture and substantially inclined to said dimension and said path.

2,139,815
SIGN
Joseph Fodor, London, England
Application August 18, 1936, Serial No. 96,703
In Great Britain August 21, 1935
5 Claims. (Cl. 40—130)

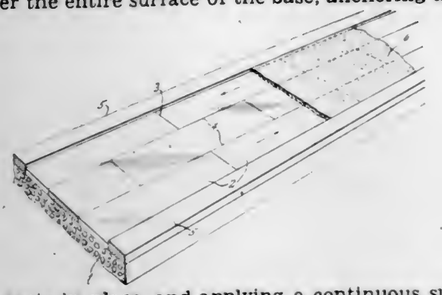


5. A sign comprising a structure, at least one conductor arranged in said structure, a high frequency generator, means for feeding the high frequency current to said conductor in said structure, a second structure adapted to rest on said first structure when in the operative relation and to be displaceable therefrom upon impact by moving objects, a luminous electric discharge tube supported by said second structure, and at least one conductor arranged in said second structure and arranged to feed current to the luminous discharge tube, the whole being so arranged that when the structures are arranged in close proximity to one another the high frequency current is electrostatically transferred from the conductor in the first structure to the conductor in the second structure to illuminate the electric discharge tube.

2,139,816
HIGHWAY
John R. Fordyce, Hot Springs, Ark.
Application June 24, 1936, Serial No. 86,944
3 Claims. (Cl. 94—7)

1. In the art of making highways, the process comprising, preparing a highway base, forming carpets of reinforced asphaltum-aggregate having a width of at least about five feet and being

relatively long, laying the preformed carpets over the entire surface of the base, anchoring the



carpets in place, and applying a continuous surfacing layer to the laid carpets.

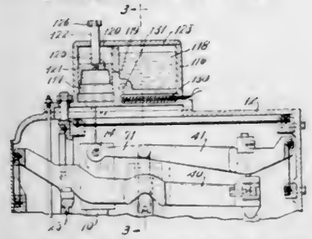
2,139,817

HYDRAULIC RESISTANCE DEVICE

Joseph Gogan, Lakewood, Ohio

Original application November 7, 1934, Serial No. 751,867. Divided and this application February 4, 1937, Serial No. 124,045

1 Claim. (Cl. 188—96)



In a device of the character described the combination of a cylinder, a piston operable in the cylinder, fluid in the cylinder for resisting movement of the piston, means providing for a restricted discharge of resistance fluid, a reservoir housing having a chamber communicating with the cylinder and containing a supply of resistance fluid, an electric heater, and a thermally responsive switch automatically operable to control said heater for maintaining the fluid at a substantially constant temperature, said heater and switch being located in said reservoir housing.

2,139,818

LOCAL ANESTHETIC BASE AND SOLUTION AND THEIR MANUFACTURE

Samuel D. Goldberg, Brooklyn, N. Y., assignor to Novocol Chemical Mfg. Co. Inc., Brooklyn, N. Y., a corporation of New York

No Drawing. Application October 5, 1935, Serial No. 43,713

12 Claims. (Cl. 167—52)

11. An anesthetic solution containing a salt of a mono alkyl amino ethyl para amino benzoate, in which the alkyl group contains not more than five carbon atoms in the chain, and less than 0.002% of epinephrin.

2,139,819

PREHEATER

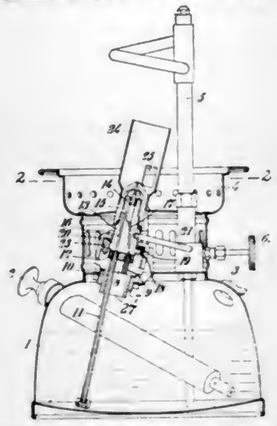
Fritz Graetz, Berlin, Germany

Application December 17, 1935, Serial No. 54,826

In Germany August 2, 1935

5 Claims. (Cl. 299—140)

1. A multiple valve comprising a lower member adapted to be attached to a source of supply, said lower member having passages, an upper member rotatably mounted on said lower member, an air nozzle and a mixing nozzle mounted on said upper member and rotatable therewith, one



of said nozzles being located within said upper member and said other nozzle, passages in said upper member communicating with said nozzles and a wind guard mounted on said upper member and rotatable therewith.

2,139,820

SHINGLE

George H. Graham, Chicago, Ill., assignor to The Lehon Company, Chicago, Ill., a corporation of Illinois

Application February 6, 1937, Serial No. 124,386

3 Claims. (Cl. 108—7)



1. A strip shingle comprising a base of felted sheet material having a relatively soft and thick head lap portion and a relatively hard and thin butt end portion and having a greater quantity of water-proofing compound in the head lap portion per unit of area which is therefore thicker than the butt end portion, and a relatively heavy coating of mineral granules covering the surface of the butt portion on the top face of the shingle, said coating of mineral granules having a thickness to compensate for the thin base of the butt portion, whereby said shingle has a substantially uniform thickness.

2,139,821

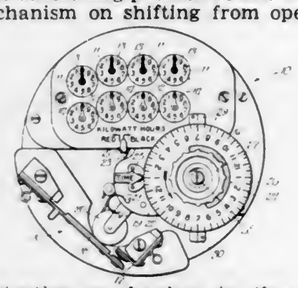
COMBINATION METER AND TIME SWITCH

Earle Greenwood and Karl W. Struck, Springfield, Ill., assignors to Sangamo Electric Company, Springfield, Ill., a corporation of Illinois

Application May 8, 1936, Serial No. 78,628

8 Claims. (Cl. 171—268)

1. An electric metering and control device comprising, in combination, a pair of registration mechanisms, a wattmeter mechanism disposed to be responsive to the flow of electric power in a circuit and to selectively operate said registration mechanisms to indicate the energy consumed in said circuit, a clock mechanism disposed to transfer the driving connection of said wattmeter mechanism from one of said registration mechanisms to the other during a predetermined time interval, and circuit control means for connecting and disconnecting a load device to said circuit and disposed to be operated from one circuit controlling position to another by said clock mechanism on shifting from operation of



one registration mechanism to the other to register the power flowing in said circuit including that flowing to said load device by one of said registration mechanisms when said circuit control means is in one position and by the other registration mechanism when said circuit control means is in the other position.

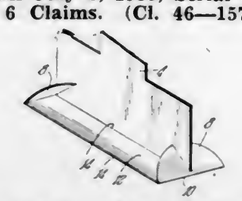
2,139,822

BASE OR SUPPORT FOR DOLLS OR THE LIKE

Edmund S. Harris, Needham, Mass.

Application July 6, 1938, Serial No. 217,796

6 Claims. (Cl. 46—157)



6. As a new article of manufacture, a toy consisting of a blank of folded sheet material forming a vertical upper portion, an intermediate connecting portion and a horizontal base portion, said base portion being shaped so as to form end tabs, said upper portion being provided with slots extending inwardly from its side edges and said tabs being inserted therein, said intermediate portion positioning said upper vertical portion with respect to said horizontal base portion.

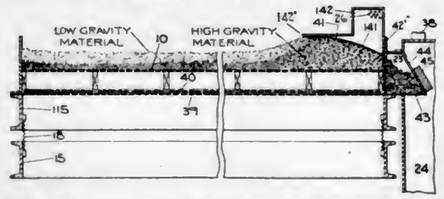
2,139,823

APPARATUS FOR MINERAL SEPARATION

Mack E. Haworth, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio

Application May 27, 1936, Serial No. 82,080

5 Claims. (Cl. 209—467)



1. Apparatus for concentrating material comprising in combination, a deck, of means for stratifying material on said deck according to specific gravities and discharging low gravity material laterally thereof, a high gravity discharge opening, a perforate arched port leading to said discharge opening, and means for forcing fluid through said perforate port.

2,139,824

COLORED METALLIC FINISH

Dale Glendon Higgins, Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 21, 1936, Serial No. 60,067

3 Claims. (Cl. 91—68)

1. The method of making an article having a highly polished metallic surface which comprises applying a resinous coating composition to a base, allowing the composition to harden until the dust-free stage is reached, which is just tacky enough to retain a firmly adherent thin layer of metallic powder, applying over the coating a dusting of metal powder, the individual particles of which have light reflecting faces, removing the excess powder, orienting in overlapping relation on the surface of the coating the particles adhering thereto, applying a resinous composition to the metallic surface, and applying a subsequent colored lacquer composition which is light transmitting.

2,139,825

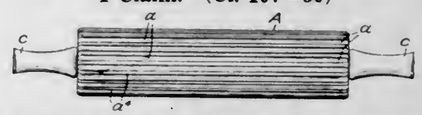
ROLLING PIN FOR ROLLING AND AERATING DOUGH

Francis Charles Hunt, London, England

Application June 24, 1936, Serial No. 87,057

In Great Britain November 26, 1935

1 Claim. (Cl. 107—50)



A rolling pin for rolling and aerating dough wherein the sheet of dough being rolled by said pin is of a width greater than the length of said pin and extends at each side beyond the ends of said pin, with said pin projected into the surface of the dough a substantial distance, said pin comprising a substantially cylindrical body provided with uniform teeth extending substantially parallel to the axis of said body and along the entire length thereof, and with uniform grooves alternating with said teeth, said grooves having rounded bottom portions and extending parallel substantially to the axis of said body and along the entire length thereof, and said teeth each being formed with slanting sides and blunt tops and each having rounded corners where the sides and top meet, whereby during the rolling of the dough with said pin the ends of said grooves are sealed by portions of the dough extending beyond the ends of said pin and atmospheric air trapped within said grooves is forced into the surface of the dough to aerate the same.

2,139,826

FISH POLE HOLDER

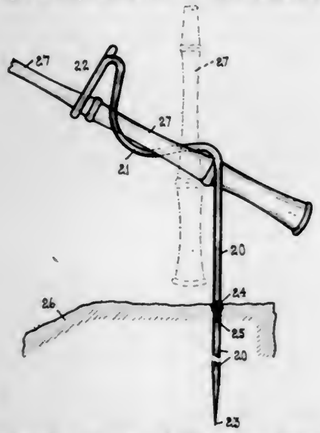
Lee E. Huntley, Bellevue, Nebr.

Application January 2, 1937, Serial No. 118,878

1 Claim. (Cl. 248—44)

A fish pole holder, comprising a single length of wire having a straight end portion with a flattened tapering extremity providing a standard for engagement in the ground to support the holder, a transversely disposed blade secured across the standard in spaced relation to the

tapering extremity thereof for engaging in the ground adjacent the surface level thereof to steady the holder, said length of wire having its intermediate portion spirally looped laterally and downwardly from the upper end of the standard with the axis of the spiral inclined upwardly at an obtuse angle from the standard and with the outer end of the spiral loop extending upwardly at one side of the axis thereof,



the other end portion of the wire being looped downwardly and transversely from the upwardly extending outer end of the spiral loop to provide an upwardly opening yoke, said spiral loop providing a continuous inclined support for a fish pole engaging across the upper and lower sides thereof at spaced points and said yoke engaging the pole to hold the same in substantially axial alinement in the spiral loop.

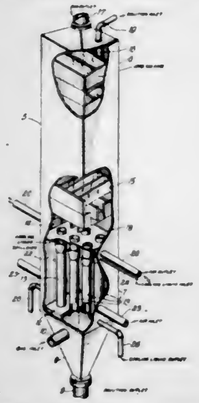
2,139,827

COMBINED COOLER AND SCRUBBER

Henry F. Johnstone and Alamjit D. Singh, Urbana, Ill., assignors, by mesne assignments, to Commonwealth Edison Company, Chicago, Ill., a corporation of Illinois

Application March 24, 1937, Serial No. 132,691

1 Claim. (Cl. 261—112)



Apparatus for removing a gas from a stream of hot gases comprising, in combination; a tower including a scrubbing section above and a cooling section below, said cooling section including a plurality of vertical metal conduits; means for introducing the stream of hot gases into the lower end of said cooling section and removing the scrubbed gases from the upper end of said scrubbing section, means for introducing an absorbing liquid at the top of said scrubbing section and removing the liquid at the bottom of said cooling section, means for directing a flow of cooling liquid over the outer surfaces of said conduits for extracting heat from said absorbing liquid transferred thereto by said gases, and means for directing a blast of air against said cooling liquid as it flows over said conduits for increasing the evaporation thereof and thereby the amount of heat extracted from said absorbing liquid.

2,139,828

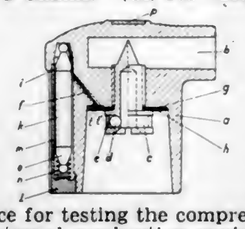
METHOD AND APPARATUS FOR EXAMINING THE COMPRESSION AND THE IGNITION OF INTERNAL COMBUSTION ENGINES BY MEANS OF A SMALL ILLUMINATING TUBE

Julius Kandyba, Berlin, Germany

Application July 27, 1937, Serial No. 155,988

In Germany August 6, 1936

4 Claims. (Cl. 175—183)



1. A device for testing the compression and ignition of internal combustion engines, comprising in combination with a sparking plug, a protecting cap of insulating material and adapted to be placed over and secured on said sparking plug having a hollow space in its wall, a carrier screw of conductive material in said protecting cap and having a bore for accommodating the screw spindle of the sparking plug, a metal plate and an insulating plate on said metal plate having each one an aperture forming the auxiliary discharging gap, an auxiliary electrode above said apertures in said metal plate and in said insulating plate, and an illuminating tube in said hollow space of said protecting cap, and means for connecting one pole of said illuminating tube to said auxiliary electrode.

2,139,829

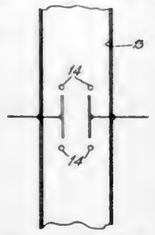
CATHODE RAY TUBE

Max Knoll, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application August 4, 1934, Serial No. 738,433

In Germany August 2, 1933

1 Claim. (Cl. 250—162)



A cathode ray tube comprising an envelope, a conductive coating upon the inner wall of said envelope, deflecting electrodes within said envelope, cylindrical shield electrodes lying adjacent to and in the same plane as the deflecting electrodes, and electrically conductive connections between said shield electrodes and the conductive coating.

2,139,830

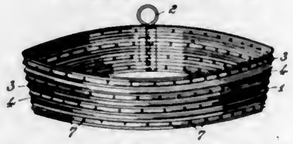
BAKER'S MOLD

Wilhelm Kopmann, Berlin-Lankwitz, Germany

Application August 17, 1937, Serial No. 159,589

In Germany September 22, 1936

3 Claims. (Cl. 53—6)



1. A baker's mold for crust dough edgers or pans comprising a shell of sheet metal of truncated conical form, the periphery of said shell being provided over its entire breadth with wave-like depressions and elevations extending parallel to the edge of said mold, said shell being formed with gas-escape apertures, said depressions and elevations preventing slippage of crust dough downwardly with respect to the mold.

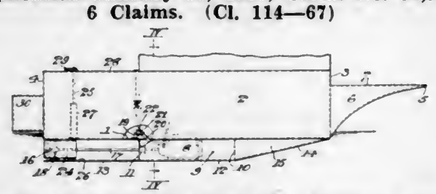
2,139,831

BOAT HULL

John Elliot Langstaff, New York, N. Y.

Application January 30, 1936, Serial No. 61,471

6 Claims. (Cl. 114—67)



1. In a boat hull having a flat bottom, a rectangular shaped well centrally and longitudinally disposed to depend from said bottom, the bottom of said well extending to the rear of the hull to form a skeg, and a hollow rudder mounted to be swung between the flat bottom and skeg, said rudder being triangular in cross section and having straight rectangular vertical walls of unequal areas and flat top and bottom walls.

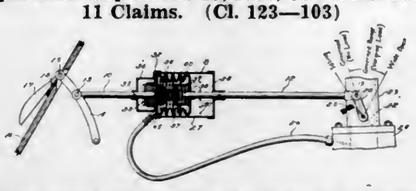
2,139,832

GOVERNOR FOR INTERNAL COMBUSTION ENGINES

William E. Leibing, Detroit, Mich., assignor to Leibing Automotive Devices, Incorporated, Detroit, Mich., a corporation of Nevada

Application September 19, 1936, Serial No. 101,665

11 Claims. (Cl. 123—103)



1. In combination with an internal combustion engine having a throttle valve and a manually operable accelerating device and a governor responsive to engine vacuum to limit the speed of the engine to a predetermined maximum by control over the throttle valve, an emergency overrun device for rendering said governor inoperative and affording complete manual control of the throttle valve to its wide open position by said accelerating device.

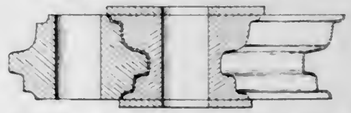
2,139,833

METHOD OF FORMING RIMS OF NONSYMMETRICAL CROSS-SECTIONAL CONTOUR

Frank H. Le Jeune and John E. Copeland, Detroit, Mich., assignors to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware

Application January 6, 1936, Serial No. 57,832

5 Claims. (Cl. 29—159.1)



1. In a method of forming tire rims of nonsymmetrical cross-section, the steps of die-pressing a cylindrical hoop to differentially flare opposite end portions thereof and to form a bead seat portion adjacent to the smaller flared portion, further die-fashioning the larger flare portion to expand a sub-portion thereof to the relative diameter of the second bead seat leaving a shoulder between the two bead seat portions and finally refashioning the portions between and on opposite sides of said bead seat portions to the desired cross-sectional contour.

2,139,834

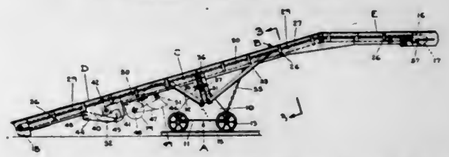
PORTABLE LOADING MACHINE

Nils D. Levin, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, Columbus, Ohio, a corporation of Ohio

Application September 16, 1931, Serial No. 563,113

Renewed December 9, 1936

4 Claims. (Cl. 198—204)



1. In a conveyor, the combination of a conveyor frame having a relatively wide bed plate with relatively narrow laterally inclined deflectors at the edges of said bed plate adjacent to the sides of said frame, longitudinal strips at the sides of said frame and secured to said narrow deflectors, said strips having inwardly projecting horizontal supports, spaced-apart members circular in cross-section and having flattened ends secured to said inwardly projecting horizontal supports in position to be spaced below said bed plate, and an endless conveyor belt with its upper run adapted to slide along the upper surface of said bed plate and its lower run supported by said spaced members to prevent the belt from sagging.

2,139,835

MARKING FABRICS

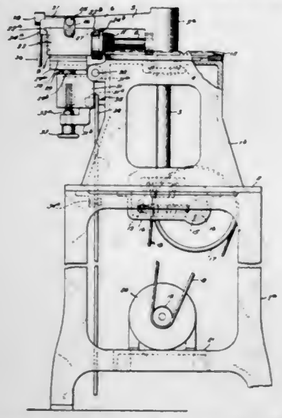
Oscar Frederic Lohmann, Tenafly, N. J.

Application April 18, 1934, Serial No. 721,077

6 Claims. (Cl. 101—153)

1. In a machine for printing a design directly upon a fabric, a rotatably mounted die having engraved in the surface thereof a design to be printed on a fabric, means for continuously rotating the die, means for moving the rotating die in

a circle, and a pressure element in the path of the moving die and positioned to engage the die dur-

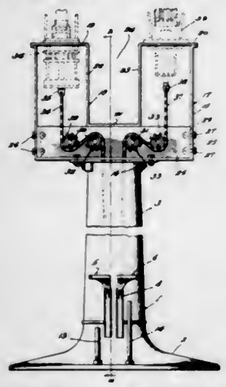


ing a portion of its circular movement for pressing a fabric against the surface of the die.

2,139,836
FROZEN CONFECTION AND PROCESS FOR MAKING SAME
Aaron London, Brooklyn, N. Y.
No Drawing. Application March 9, 1937, Serial No. 129,840
3 Claims. (Cl. 99—136)

2. A smooth ice cream free from stabilizing agents which is characterized by the presence of ethyl alcohol in excess of approximately 5% by volume.

2,139,837
SUPPORT
Charles H. Maiben, Logansport, Ind.
Application February 19, 1938, Serial No. 191,562
2 Claims. (Cl. 12—1)



1. A device of the class described including a pedestal, an outer member carried by the pedestal, an inner member carried by the outer member and having legs connected with said outer member, said legs being oppositely presented and adapted to support mechanism, treadles carried by the pedestal, a bracket carried by the outer member, stub shafts carried by the bracket, pairs of gears carried by the stub shafts, and chains trained about the gears of each pair of gears and being adapted to extend into the pedestal, said chains having corresponding end portions connected with the treadles and having corresponding end portions adapted to be connected to actuating mechanisms of the mechanism carried by the legs, said chains being adapted to be shifted at movement of the treadles for shifting said actuating mechanisms.

2,139,838
TOBACCO PIPE BOWL SCRAPER ATTACHMENT
Jerome M. Mayer, Chicago, Ill., assignor of one-half to Peter A. Muir, Chicago, Ill.
Application January 30, 1936, Serial No. 61,478
5 Claims. (Cl. 206—41)

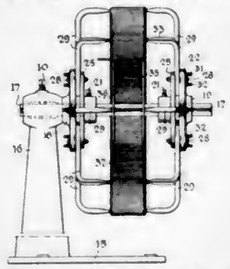


1. The combination with a container having a bottom marginal flange, of a tobacco pipe resilient scraper blade, said scraper blade being somewhat longer than the distance between confronting portions of a marginal flange of said container, said blade being applied to the exterior of said container and sprung into detachable association with the external marginal flange of said container.

2,139,839
ALKALOID COMPOUND
Robert S. McKinney, Chevy Chase, Md.; dedicated to the free use of the People of the United States
No Drawing. Application August 16, 1937, Serial No. 159,327
2 Claims. (Cl. 260—236)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A compound consisting of the water insoluble product of the reaction between fatty acids derived from drying oils and an alkaloid.

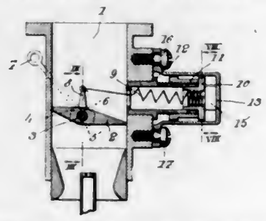
2,139,840
PROCESS OF MAKING PNEUMATIC TIRES
Charles W. McKone, Washington, D. C.
Application June 6, 1936, Serial No. 83,999
16 Claims. (Cl. 154—14)



1. The method of building a pneumatic tire, which consists in winding cord substantially straight across a pair of spaced parallel annular supports coated with rubber and lubricating means until the supports are enclosed to form a short cylinder, holding one of the supports while

the other is rotated through the angle to be imparted to the cords in the finished tire, impregnating and shaping the carcass, applying the coverings to the carcass, and then vulcanizing the tire structure with the original supports forming the bead reinforcing means of the finished tire.

2,139,841
REGULATING DEVICE FOR INTERNAL COMBUSTION ENGINES
Marcel Louis Mennesson, Neuilly-sur-Seine, France, assignor to "Société Anonyme Solex", Neuilly-sur-Seine, France, a corporation of France
Application September 24, 1934, Serial No. 745,350
In France April 3, 1934
11 Claims. (Cl. 261—65)



10. A carburetor for internal combustion engines comprising a mixing chamber, means to supply fuel to said mixing chamber, a spindle mounted to turn in the walls of said mixing chamber and eccentric with respect thereto, an offset throttle valve freely mounted on said spindle and traversed thereby, said throttle valve being located on the downstream side of said supply means and accomplishing all the usual functions of the carburetor throttle valve, said valve being so arranged that the suction acting on the offset portion thereof tends to move the valve to closed position, a lever rigid with said spindle, a lost motion connection between the spindle and the valve, means controlled by the operator to control positively the position of said lever, and a spring arrangement for holding the valve in active engagement with the spindle against the action of suction within the inlet conduit of the carburetor as long as the speed of the engine does not exceed the maximum permissible speed.

2,139,842
LOCK
Arthur W. Miller, Milwaukee, Wis.
Application February 13, 1937, Serial No. 125,525
12 Claims. (Cl. 70—362)



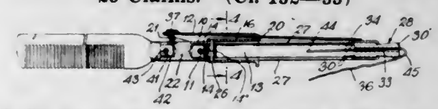
2. In a lock the combination of a housing, a cylinder rotatable therein, a plurality of tumblers carried by said cylinder and guided for independent movement transversely thereof into and out of interlocking relation with said housing, and cam means for positively shifting an inserted key transversely in either of two opposite directions selectively, said tumblers having key receiving slots for coaction with opposite edges of the key to effect transverse movements of said tumblers in response to transverse movements of the key.

2,139,843
BINDER
Fearon D. Moore, Glen Ridge, N. J.
Application March 17, 1936, Serial No. 69,280
4 Claims. (Cl. 129—41)



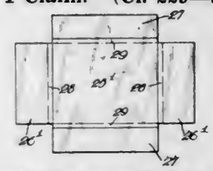
1. A binder comprising an outer cover, and an inner cover having holes therein through the thickness of a portion thereof, and binding means for pages, said binding means extending through said holes and being resilient and slidable with respect to the inner cover as the binder is opened and closed in use.

2,139,844
HAIR CURLER
Nathan L. Solomon, Mt. Vernon, N. Y.
Application April 26, 1938, Serial No. 204,379
25 Claims. (Cl. 132—33)



1. In combination, hair curling means, a hair pin, means at one end of said curling means and rotatable relative to the latter for separating the shanks of said hair pin, and means slidable longitudinally of said hair curling means for automatically threading a curl on said curling means on one of said shanks.

2,139,845
BOX
Frank Rodgers Neely, Allentown, Pa.
Application August 9, 1934, Serial No. 739,085
1 Claim. (Cl. 229—30)

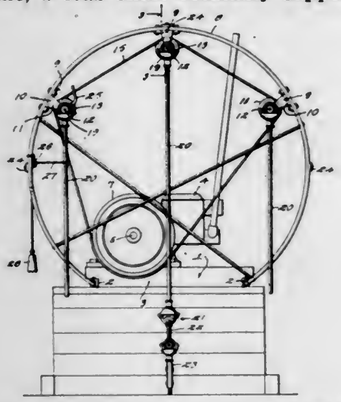


A box formed of corrugated board having facing sheets and the inside and outside portions of the board grooved about the periphery of the bottom from the inside of the box substantially to the outer facing sheet to a width adjacent the outside sheet as great as the width where the groove passes through the inside sheet exposing the body of the board at opposite sides of the grooves, opposite ends and opposite sides between the ends connected by the outer facing sheets with the bottom at the groves and comprising two pairs of opposite flaps, one pair of flaps being folded about the inner edges of the grooves whereby the edges of these flaps rest upon the facing sheet of the bottom at the edges of the bottom and the other pair of flaps being folded about the outer edges of the grooves whereby the raw edges of these flaps rest upon the material left by the grooves at the bottom of the grooves and the raw edges of the bottom adjacent these flaps are closed by the inner facing sheets of the flaps.

2,139,846
SHEARING MACHINE
Jack K. Oualline, Uvalde, Tex.
Application August 6, 1936, Serial No. 94,697
2 Claims. (Cl. 74—223)

1. In a shearing machine structure, an engine including a power shaft and a fly wheel mounted

on the shaft, a base for said engine, a vertically disposed hoop frame secured to the base at the side of the engine adjacent the fly wheel, a plurality of units secured in spaced relation to the inner side of said hoop frame and each comprising a pair of arms directed radially inwardly from the frame, a stub shaft rotatably supported by



the arms and a pulley upon one end of the stub shaft, said pulleys of the units being disposed in the same vertical plane with and above said fly wheel, a single driving belt connection encircling the pulleys and the fly wheel for transmitting power from the wheel to the pulleys, and a plurality of flexible power take-off shafts each operatively coupled at one end with a stub shaft.

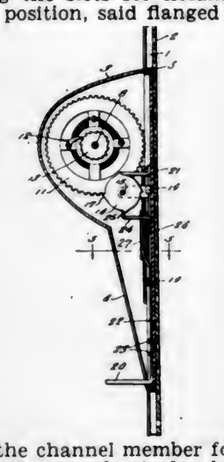
2,139,847
RAIL ANCHOR
Alphonso T. Palmer, Chicago, Ill., assignor of one-half to La Verge P. Burch, Chicago, Ill.
Application June 25, 1936, Serial No. 87,265
8 Claims. (Cl. 238—330)



1. In combination, a railway rail, a tie supporting said rail, and an anchor comprising as a unitary structure a member extending under the rail, said member being undulated, providing a sinusoidal curve, the ends of the member being connected with the edges of the base of the rail, and the undulated portion of the member between said ends contacting and exerting an upward thrust against the lower face of the base of the rail and frictionally binding the anchor to the rail, said member being provided with a laterally extending portion adjacent one lateral edge thereof throughout substantially the entire length of the member and of a thickness substantially less than the thickness of the remaining portion of the plate, said extension being adjacent but maintained out of contact with the rail.

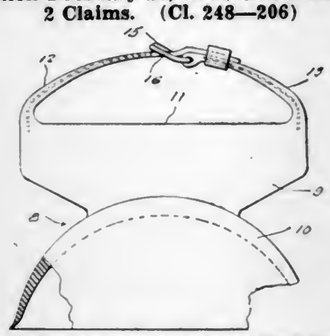
2,139,848
WINDOW LOCK AND ALARM
Frederick Piper, Portland, Oreg.
Application September 11, 1937, Serial No. 163,475
2 Claims. (Cl. 116—16)

1. A device of the class described, comprising an elongated channel member attached to a side rail of an upper sash, the flanges of said channel member being turned inwardly, and said member having transverse slots therein, a housing having a flanged base sliding in the channel member, a projection at the upper end of said base for engaging the slots for holding the housing in adjusted position, said flanged base having a



loose fit in the channel member for enabling the projection to be moved out of a slot, said housing having a part for engagement by a part of a sash for preventing opening movement of either sash, and means carried by the housing and actuated by movement of either sash for sounding an alarm before movement of a sash is prevented by said part.

2,139,849
CARRIER
Paul H. Powers, Chickasaw, Ala., assignor of one-half to Clarence C. Nall, Chickasaw, Ala.
Application February 23, 1938, Serial No. 192,131
2 Claims. (Cl. 248—206)

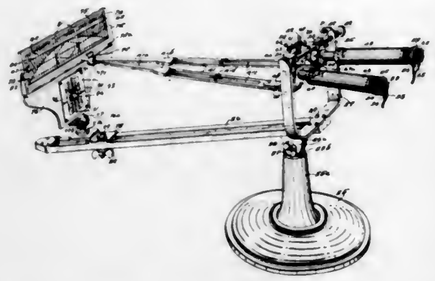


1. A carrier of the character stated comprising a body of resilient material, said body being constructed at its lower portion to form a vacuum cup, said body being formed at its upper portion to provide a flaring head construction, said head construction being formed to define elongated strap-like members, a reinforcing element embedded in each of the strap-like members, and connecting means between the end portions of the said strap-like members.

2,139,850
OPTICAL FUSIONMETER
Matthew O. Ranoe, Minneapolis, Minn.
Application April 19, 1937, Serial No. 137,603
22 Claims. (Cl. 35—17)

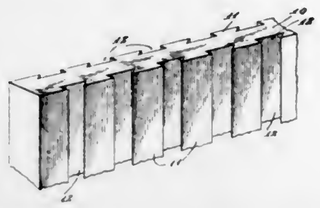
1. A device of the class described having in

combination, a pair of spaced hollow members simulating an eye ball and having apertures therein at one side simulating the pupil of said eye, said members being freely movable universally to make various angles laterally and ver-



tically between the axes of said apertures and the horizontal axes of said members respectively, means for projecting beams of light through said apertures respectively and a member having a reading surface spaced from said hollow members for receiving said light.

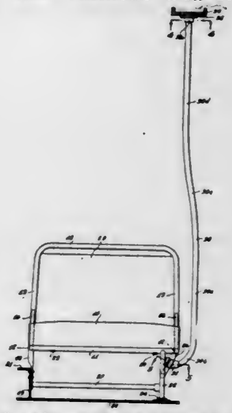
2,139,851
EXPANSION JOINT
Dudley Roberts, New York, N. Y., assignor to Rubatex Products, Inc., New York, N. Y., a corporation of Delaware
Application January 21, 1936, Serial No. 60,034
6 Claims. (Cl. 94—18)



1. A preformed expansion joint adapted to be positioned between adjacent bodies of material having the characteristics of expansion and contraction under changing temperature or moisture conditions comprising a substantially non-porous, inert gas expanded closed cell elastic material.

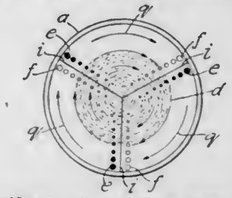
2,139,852
COMBINED SEAT FRAME AND STANCHION
William T. Rossell, Brooklyn, N. Y., assignor to Transit Research Corporation, New York, N. Y., a corporation of New York
Application September 21, 1936, Serial No. 101,760
12 Claims. (Cl. 155—1)

12. A combination seat frame and stanchion comprising a seat frame portion adapted to support seat and back cushions, a pair of legs depending from said portion, said legs being set in from one end and adapted to support said portion, a stretcher extending between said legs, a brace extending from said stretcher to the end of said seat frame portion, and a stanchion opposite said cushions being spaced laterally therefrom and rising vertically a little ahead of the back of said seat cushion and the portion of the stanchion higher than said cushions curving back and in towards said cushions and rising vertically



approximately above the adjacent rear corner of said seat cushion.

2,139,853
METHOD OF MAKING STEEL
Wilhelm Rohn, Hanau-on-the-Main, Germany, assignor to Heraeus-Vacuumschmelze A. G., Hanau-on-the-Main, Germany, a German company
Application April 24, 1937, Serial No. 138,851
In Germany July 8, 1933
8 Claims. (Cl. 75—11)

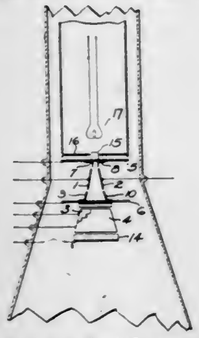


1. The method of making steel which comprises forming a molten iron bath, vigorously and turbulently stirring the bath while heating the same, adding thereto metal oxides, carbon and fluxing materials in such relative proportions one to the other as to produce on reaction with each other and with the impurities in the bath a steel of desired composition, and continuing the heating with vigorous stirring until the said reactions have been completed.

2,139,854
DEFLECTION SYSTEM FOR BRAUN TUBES
Ernst Ruska, Berlin-Zehlendorf, Germany, assignor to the firm of Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany
Application April 6, 1936, Serial No. 73,012
In Germany December 4, 1934
2 Claims. (Cl. 250—159)

1. In a cathode ray tube having a cathode and a gun-type anode cooperating when energized to produce an electron beam, an arrangement of electrodes comprising, in order leading from the gun elements of said tube, a short tubular section positioned symmetrically about the axis of the undeflected ray, a disc connected thereto having a central perforation of the same diameter as said tube, said disc being positioned concentrically about and normal to the said beam axis, a pair of angle plates fixed upon said disc in opposition to said tubular section, said plates

being symmetrical about and separated by the width of the central aperture; two rectangular deflecting electrodes positioned symmetrically about said beam axis, having their edges parallel, having one edge of each electrode parallel to and closely adjacent to said angle plates, said parallel edges being separated by a distance equal to that between said angle plates, and the planes of said plates being divergent about said beam axis; a second pair of counter-electrodes comprising obtuse angle plates having bases normal to the ray axis and side terminating edges parallel to and closely adjacent the divergent ends of said deflecting plates, said sides being positioned in the planes of the adjacent deflecting plates; a circular plate affixed to said angle plate bases, said plate having therethrough a slot of width equal to the diameter of said tubular electrode and



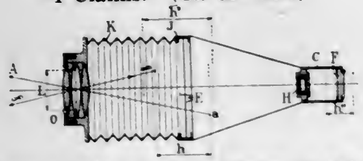
length equal to the basal separation of said obtuse angle plates and having its length normal to the plane in which said electrodes are divergent; a third pair of counter-electrodes comprising angle plates disposed along the edges of said slot disposed upon the reverse side of said plate, a second set of rectangular deflecting electrodes divergently disposed with an edge of each parallel to and closely adjacent to said last mentioned angle plates and separated by the distance therebetween; and a final set of counter-electrodes comprising obtuse angles symmetrical about the ray axis having bases normal to the ray axis, having sides positioned in the divergent planes of said second deflecting electrodes, having the adjacent edges of said sides parallel to and slightly spaced from the edges of said deflecting plates.

2,139,855

APPARATUS FOR PHOTOGRAPHY WITH OR WITHOUT COLOR

Anne Henri Jacques de Lassus Saint Genies, Versailles, France

Application April 10, 1935, Serial No. 15,644
In France April 14, 1934
4 Claims. (Cl. 88—16.6)



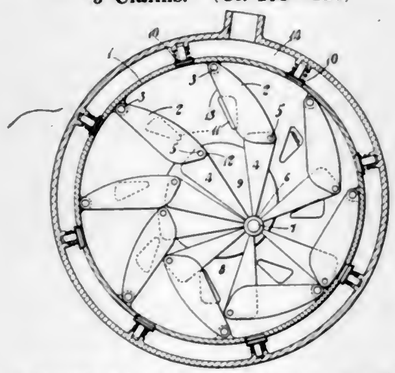
1. Apparatus for taking pictures in relief on a lenticular film comprising a primary objective of large aperture, a secondary objective of small aperture associated with the lenticular film and a complex lenticular screen arranged between said objectives, said lenticular screen comprising an unpolished surface near the focal plane of said primary objective, a first lenticular network between said primary objective and said unpolished surface, said first lenticular network being arranged so that the unpolished surface lies in a plane conjugate with that of the primary objective with respect to said first lenticular network, said first lenticular network having means for forming on said unpolished surface a large number of small images of the exit pupil of said primary objective, and a second lenticular network on the side of the unpolished surface remote from the primary objective, said second lenticular network being arranged so that the unpolished surface lies in a plane conjugate with that of the secondary objective with respect to said second lenticular network, the centres of the optical elements of the second network lying on the straight lines extending through the centre of the secondary objective and the centres of the small images on the unpolished surface, said second network forming images of said small images in the entrance pupil of the secondary objective.

2,139,856

PUMP, ENGINE, AND THE LIKE

Leonard George Savage, South Farnborough, England

Application February 26, 1937, Serial No. 127,986
In Great Britain February 27, 1936
5 Claims. (Cl. 103—117)



1. A rotary fluid displacement mechanism comprising a substantially cylindrical casing, inlet and outlet fluid passages in the casing, a crank device adjacent one end of the casing, a plurality of inwardly directed vanes pivoted equidistantly around the periphery of the interior of the casing and connected to the crank device, a shaped surface forming at least the outer half of one side of each vane, and an abutting portion on each vane adapted to coact slidingly with substantially the whole of the shaped surface of the next adjacent vane, the volume of the fluid chambers successively formed by coacting vanes and the casing being thereby reduced from a maximum to substantially zero.

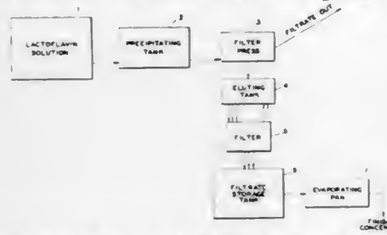
2,139,857

PROCESS OF PREPARING LACTOFLAVIN CONCENTRATES

Howard F. Seibert, Cleveland, Ohio, assignor, by mesne assignments, to S. M. A. Corporation, Jersey City, N. J., a corporation of New Jersey

Application March 29, 1937, Serial No. 133,503
10 Claims. (Cl. 167—81)

1. The process of preparing lactoflavin concentrates which comprises introducing a soluble lead salt in a solution containing lactoflavin, passing hydrogen sulphide through the solution to form a precipitate, filtering to provide a filter cake containing the adsorbed lactoflavin, heating a suspension of the filter cake containing the ad-



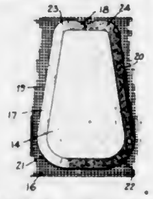
sorbed lactoflavin in a solvent for the lactoflavin, removing the filter cake from the solution, and evaporating at least a portion of the solvent to obtain the lactoflavin concentrate.

2,139,858

TONGUE PAD

Seymour E. Schwartz and Solomon E. Schwartz, New York, N. Y.

Application March 13, 1936, Serial No. 68,651
2 Claims. (Cl. 36—54)



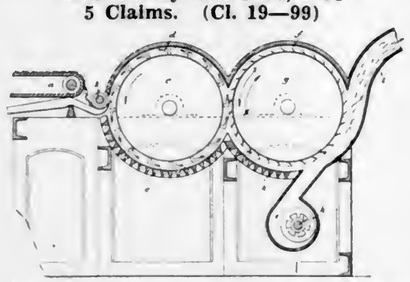
1. As a new article of manufacture a shoe-tongue pad comprising a substantially soft resilient base having tapering sides and rounded corners, an adhesive on the bottom face of said base, bevelled margins on the top face of said base, said base having a notch at its narrower end, and a piece of fabric of larger area than the base, said base being mounted on said fabric.

2,139,859

CARDING, CLEANING, OPENING, AND LIKE MACHINE FOR TEXTILE FIBERS

Paul Schwarze, St. Gallen, Switzerland, assignor to Technik und Investment Aktiengesellschaft, Vaduz, Lichtenstein

Application March 21, 1935, Serial No. 12,134
In Germany March 29, 1934
5 Claims. (Cl. 19—99)



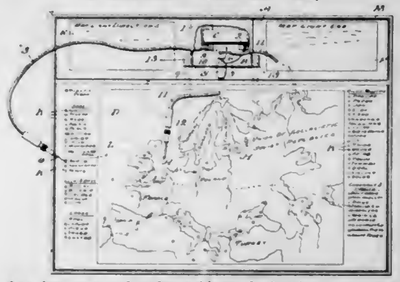
4. A machine for opening, cleaning, carding or like treatment of textile fibers, having in combination two coacting rotatable cylinders, one of said cylinders having approximately tangential teeth, comprising flat pointed plates, and the other cylinder having laterally bent teeth arranged opposite said pointed plates and adapted in such manner that by relative movement of the two cylinders the fibrous material on said pointed plates is caused by the teeth of the second cylinder to move from the tips of said pointed plates towards their widening parts and is then taken off.

2,139,860

EDUCATIONAL DEVICE

Joseph R. Schwendeman, Moorhead, Minn.

Application April 22, 1937, Serial No. 138,437
8 Claims. (Cl. 35—40)



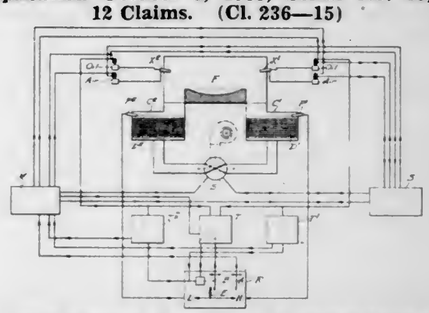
1. An improved educational device, comprising a support, a source of electricity on said support and an open electric circuit in combination with said source of electricity including an electric light and a pair of pointers connected to the ends of pliable wires electrically connected to the opposite poles of said current source, a plaque on said support and removable in respect to the same and in respect to the electric circuit and its cooperating parts, said plaque carrying electrical contacts each of which designates an educational fact, a list of said facts on said plaque, an electrical contact for each item in said list, and each fact contact in electric circuit with the proper contact listing said fact, whereby when the pointers are applied to a pair of contacts in circuit said upon circuit is closed and the electric light illuminated.

2,139,861

REGENERATIVE FURNACE REVERSING MEANS

William E. Shenk, East Orange, and Bernard M. Larsen, Elizabeth, N. J., assignors to United States Steel Corporation, New York, N. Y., a corporation of New Jersey

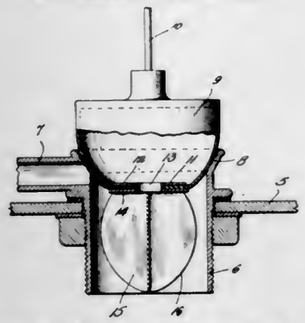
Application October 5, 1935, Serial No. 43,786
12 Claims. (Cl. 236—15)



1. The method of operating a regenerative furnace provided with a time controlled automatic reversing means, which comprises providing means to determine and continuously record the thermal conditions of the top checker brick work in the checker chambers associated with said furnace, and providing means energized by said recording means to actuate said automatic reversing means whenever the thermal conditions of the top checker brick work approximate a determined maximum safe operating temperature and when during any one heating cycle the tem-

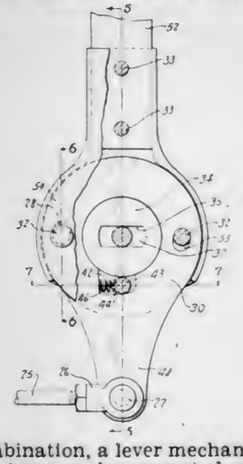
peratures attained by the said top checker brick work in the heating checker approximate the maximum temperature attained in the previously heated checker within a time interval shorter than that determined by said time controlled reversing means but at least as long as a determined minimum time interval.

2,139,862
GUIDE FOR VALVES FOR FLUSH TANKS
Laurence F. Shesler, Yonkers, N. Y.
Application August 2, 1937, Serial No. 157,037
6 Claims. (Cl. 4—56)



1. A device of the class described comprising a ball valve, and a guide member secured to and depending from the bottom of the valve and formed of flat vertically disposed intersecting plates constituting guide fins.

2,139,863
MECHANISM CONTROL
Samuel A. Snell, Toledo, Ohio, assignor, by mesne assignments, to The Logan Gear Company, a corporation of Ohio
Application January 27, 1936, Serial No. 60,912
17 Claims. (Cl. 74—531)

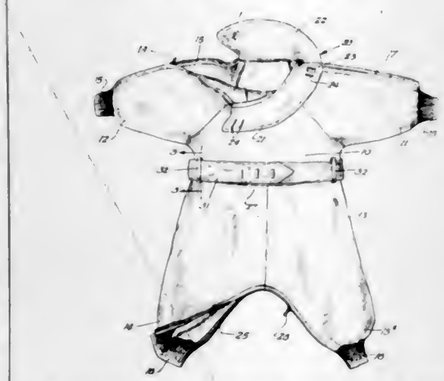


1. In combination, a lever mechanism comprising a support; a member mounted upon said support and capable of movement relative thereto; a housing comprising substantially matched sections formed of sheet material straddling said member; a clutch interposed between said support and said member, said clutch having connection with said sections; a lost motion connection between the housing and the member; and means for effecting relative movement between said housing and said member for releasing the clutch.

2,139,864
TREATMENT OF OITICICA OIL
John P. Stancil, Pine Lawn, Mo.
No Drawing. Application January 20, 1936, Serial No. 59,910
1 Claim. (Cl. 260—424)

In the art of treating oiticica oil the process comprising, heating crude oiticica oil to the point of complete fusion and while the oil is maintained quiescent, cooling the oil to a temperature at which the steariform portion segregates, maintaining the said temperature until the steariform portion settles, treating the oil with hydrochloric acid, decanting the supernatant oleiform portion, and neutralizing the decanted oil.

2,139,865
CHILD'S GARMENT
Verne L. Stephenson, Goshen, Ind., assignor to Snuggle Rug Company, Goshen, Ind., a corporation of Indiana
Application February 3, 1937, Serial No. 123,788
1 Claim. (Cl. 2—80)

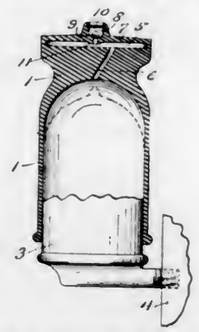


A child's outer garment including a waist section, said waist section having a neck opening and sleeves terminating in cuffs of flexible material with slits in each sleeve extending outwardly from the neck opening and along the tops of the sleeves to facilitate insertion of the child's arms in the sleeves, said waist section being continuous across the front and back and having means for closing said slits, collar members attached to the front and rear edges of the neck opening and detachably secured together at their ends in alinement with the inner ends of said slits, and a trouser section joined to said waist section by an uninterrupted seam extending around the garment at the waist line and providing an extension portion of surplus material for lengthening the garment, said trouser section having an opening for slipping the garment over the child's head comprising a slit extending through the crotch and down the inner side of each leg and means for closing said last mentioned slit.

2,139,866
PRODUCTION OF AQUEOUS DISPERSIONS OF CELLULOSE DERIVATIVES
Charles Richard Noel Strouts, Ardrossan, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application June 9, 1936, Serial No. 84,385. In Great Britain June 12, 1935
4 Claims. (Cl. 134—79)

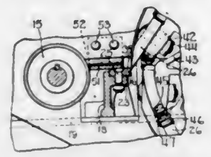
1. Process of preparing an easily dispersable aqueous cellulose nitrate composition which comprises dissolving nitrocellulose and dibutyl phthalate in glacial acetic acid containing a small amount of gelatine, adding water and continually mixing, heating the mixture to 60 to 70° C., adding a further quantity of water slowly and separating the cellulose derivative from the bulk of the liquid.

2,139,867
AIR VENT VALVE ATTACHMENT
Howard W. Teter, Kansas City, Mo.
Application November 5, 1936, Serial No. 109,255
4 Claims. (Cl. 137—122)



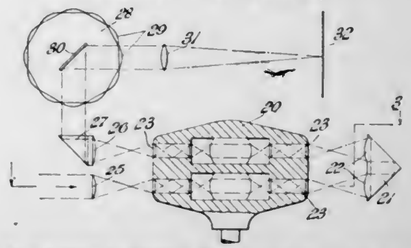
2. An automatic vent valve attachment for radiator vent valves, comprising an integral, elastic hollow valve body having one end open for closely fitting over a radiator vent valve and a substantially rigid, closed other end provided on its side opposite the open end with a relatively flexible diaphragm integrally attached at its periphery with said closed end to form a chamber therewith, a passage through said closed end communicating with said chamber and said open end, a port through said diaphragm offset with respect to said passage and communicating with said chamber and the atmosphere, said diaphragm being adapted to flex to and from a position in which an annular portion of it encircling said port on the side next to said chamber will engage with said substantially rigid end to control said port.

2,139,868
ENSILAGE HARVESTER
William B. Thieman, Albert City, Iowa, assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application May 20, 1936, Serial No. 80,699
5 Claims. (Cl. 146—120)



1. An ensilage cutter including a housing having side walls, a rotary cutter in said housing having a plurality of blades, a stationary blade cooperating with said rotary cutter blades, a feed roller in said housing for feeding material to said cutting mechanism, a bed supporting said stationary blade, means for adjusting said bed to move said stationary blade toward said rotary cutter blades, and a stripper plate closing the opening between said stationary blade and the feed roller against the entry of material thereinto, the stripper plate having its outer ends extending through openings in the side walls of the housing and turned upwardly and secured to the adjacent sides of the latter.

2,139,869
SCANNING DEVICE FOR TELEVISION APPARATUS
Ernest Traub, London, England
Application December 3, 1935, Serial No. 52,710
In Great Britain December 3, 1934
7 Claims. (Cl. 178—7.6)



1. A scanning device for television apparatus comprising a high speed scanner for scanning the picture in one direction only and a low speed scanner for scanning the picture in a direction at right angles to that of said high speed scanner, said high speed scanner comprising a rotating member having a plurality of faces and a stationary member having a plurality of reflecting surfaces, said stationary member comprising a light beam multiplier, each surface of said stationary member being adapted to receive a beam of light from said rotating member, and to reflect said beam back to said rotating member, each face of said rotating member cooperating successively with each reflecting surface of said stationary member to produce a line scan comprising a transverse movement of said light beam.

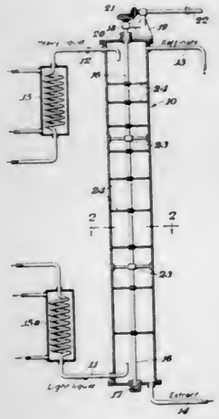
2,139,870
PHOTOGRAPHIC DEVELOPERS
Gustav Wilmanns and Hans Fricke, Wolfen, and Emil Joachim Birr, Bitterfeld, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
No Drawing. Application August 18, 1936, Serial No. 96,598. In Germany August 31, 1935
10 Claims. (Cl. 95—88)

1. A photographic developer comprising a pyrimidine substituted in the 2.5-positions by a group selected from the group consisting of amino-groups, alkylamino-groups and hydroxy-groups and an alkaline reacting substance.

2,139,871
PROCESS AND APPARATUS FOR CONTACTING TWO LIQUIDS
Roy R. Wilson, Ernest K. Brown, and Frank L. White, Casper, Wyo., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application August 6, 1937, Serial No. 157,752
7 Claims. (Cl. 196—13)

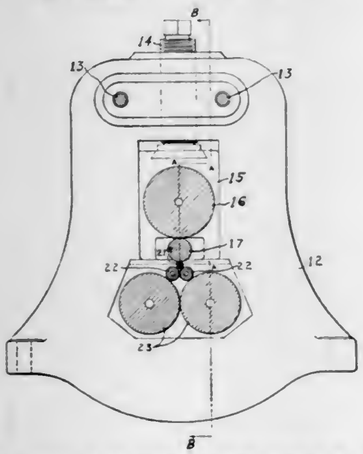
1. A method of countercurrently contacting an oil with a solvent partially immiscible with said oil and differing from said oil in specific gravity comprising passing said oil and said solvent in countercurrent contact with each other through a plurality of vertically disposed agitating zones and settling zones alternating with each other

and progressively decreasing the ratio of agitation to settling in the direction of flow of said solvent.



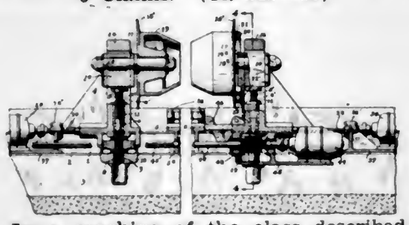
2. A tower for the countercurrent contacting of two partially immiscible liquids of differing specific gravities comprising means for introducing said two liquids near opposite ends of said tower, means for withdrawing the two resultant liquid phases near opposite ends of said tower and means forming alternate agitation and settling zones, the size of said settling zones increasing by progressive increments throughout at least a substantial portion of the length of said tower.

2,139,872
SHEET METAL AND PROCEDURE FOR PRODUCING THE SAME
Warren Worthington, Pittsburgh, Pa.
Application August 7, 1933, Serial No. 684,001
Renewed May 27, 1937
9 Claims. (Cl. 29—18)



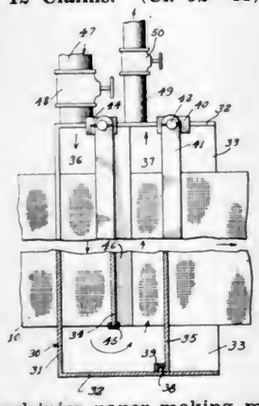
1. The method of making sheet material, which consists in roll reducing metal to strip or sheet form in a number of roll passes and in at least one pass causing the molecules in one surface of the material to move further in the direction of rolling than those in the opposite surface and each such molecule to turn through a substantial arc about an internal axis, and then in cross rolling the material so as to obtain a transverse relative displacement of the molecules and a partial rotation of each such molecule about an internal axis substantially at right angles to the axis of prior rotation.

2,139,873
COIL HANDLING MECHANISM
Carl M. Yoder, Lakewood, Ohio
Application December 31, 1935, Serial No. 57,073
6 Claims. (Cl. 242—58)



1. In a machine of the class described, the combination of tracks, a pair of members movable on said tracks, a support slidably mounted on said tracks between said members and arranged to receive a coil of material, alined coil engaging devices mounted on said movable members to move upwardly and downwardly relative to said support, means for moving said devices, and means connected with one of said members for moving said support in one direction.

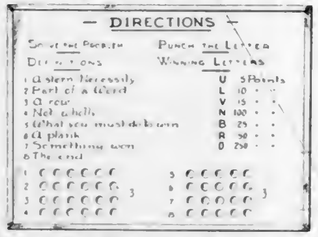
2,139,874
CROSS-CURRENT FLOW FOURDRINIER PAPER MAKING MACHINE
Earl E. Berry, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
Application September 24, 1936, Serial No. 102,350
12 Claims. (Cl. 92—44)



1. A Fourdrinier paper making machine comprising a forming wire, a plurality of small diameter table rolls supporting the wire along its upper run, a drain box carrying said rolls, means for regulating drainage from the wire into said box, a head box having an open bottom disposed over said forming wire, adjustable slice plates in said head box defining with the walls of the box chambers for ponds of stock and a stock inlet and a stock outlet at the sides of the head box communicating with opposite ends of said chambers whereby stock is flowed through the chambers at an angle to the direction of travel of the wire for deposit onto the wire.

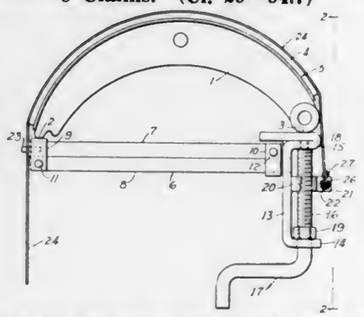
12. The method of making paper which comprises directing streams of stock over successive well-defined areas of a traveling forming wire at an angle to the direction of travel of the forming wire, flowing stock longitudinally of said wire between said successive areas, and applying suction to the under side of the wire to cause a deposition of fibers from said stock with the fibers lying largely in the same direction as the directions of flow of the respective streams of stock from which deposition occurs.

2,139,875
GAME APPARATUS
David E. Bronstein, Toronto, Ontario, Canada, assignor to Score Corporation Limited, Winnipeg, Manitoba, Canada
Application April 5, 1937, Serial No. 134,990
2 Claims. (Cl. 273—139)



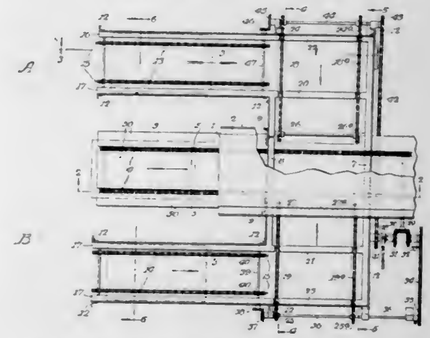
1. Game apparatus comprising a game board bearing a list of problems to be solved and a list of winning indicia and formed with a plurality of rows of recesses; a plurality of rows of indicia-bearing members contained in said recesses, the indicia of each row being arranged to form an answer to one of the problems postulated and one or more of the indicia-bearing members of various rows of recesses bearing indicia corresponding to those of the list of winning indicia aforesaid; and frangible closing means for the recesses normally preventing access to the indicia bearing members, the list of problems and the rows of recesses containing the indicia-bearing members being correspondingly numbered.

2,139,876
BRAKE LINING CLAMP
Aubrey E. Bullington, Huntington Park, Calif., assignor of one-third to Walter P. Evans and one-third to Frank J. Dresman, both of Huntington Park, Calif.
Application July 14, 1934, Serial No. 735,225
8 Claims. (Cl. 29—84.7)



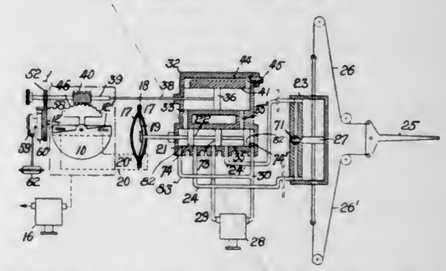
1. In a tool for clamping linings to brake shoes, a cross bar for resting a brake shoe thereon, a band for clamping a lining on the shoe, means on the cross bar holding one end of the band, a crank rotatably mounted on the cross bar and having a threaded shank, and a traveling block on the shank connected with the other end of the band.

2,139,877
CONVEYER FOR FEEDING TRAYS
John Brandt, Chicago, Ill., assignor to Salerno Machinery Company, Chicago, Ill., a corporation of Illinois
Application July 28, 1937, Serial No. 156,131
5 Claims. (Cl. 198—79)



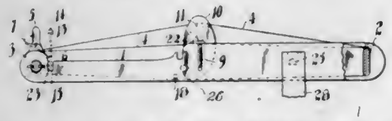
1. In combination with a machine arranged to deliver successively at its forward end filled trays of wafers and having a transverse loading chute arranged to receive empty trays rearwardly of its forward delivery end, conveyer mechanism comprising a pair of conveyers arranged parallel with said forward delivery end of the machine, and a pair of transverse conveyers arranged to receive empty trays delivered to them by said first-mentioned conveyers and deliver them alternately into said loading chute.

2,139,878
HYDROPNEUMATIC AUTOMATIC PILOT
Bert G. Carlson, Freeport, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application June 19, 1936, Serial No. 86,036
Renewed February 18, 1938
21 Claims. (Cl. 244—78)



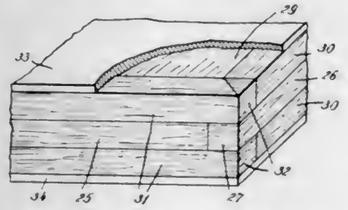
5. In an automatic pilot for aircraft, the combination with a position maintaining means, a differential air flow means actuated by relative turning of the craft and means, a hydraulic servomotor for turning a control surface, a pneumatically operated hydraulic valve operated from the differential air pressure created by said means for controlling the supply of pressure operating fluid to said servomotor, a hydraulic follow-up positioned adjacent said means and supplied with operating fluid exhausted from said servomotor for acting upon said means in accordance with movements of the control surface, and means for by-passing a portion of the operating fluid exhausted from said servomotor, whereby the control surface is caused to assume a new position of reference.

2,139,879
APPARATUS FOR HAND WEAVING
Herbert Spencer Clark and Rosa M. Hewetson Clark, Scarborough Township, Ontario, Canada
Application November 30, 1935, Serial No. 52,332
5 Claims. (Cl. 139—33)



1. In apparatus for hand weaving, the combination of a frame comprising side members and end members about which latter warp threads may be wound to form a continuous warp; means for actuating said warp threads in groups to form a "shed", one of said end members being eccentrically journalled in the side members; means for manually swinging said eccentrically journalled end member to vary the tension upon the warp threads; and means for holding said eccentrically journalled end member in any of a plurality of positions to maintain the desired tension.

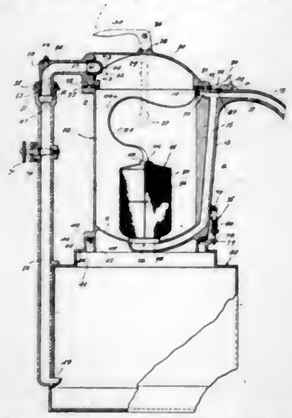
2,139,880
PLYWOOD
Giovanni Colucci, Wilmington, N. C.
Application April 22, 1938, Serial No. 203,553
12 Claims. (Cl. 20—91)



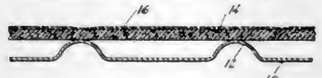
1. A laminated board comprising a plurality of layers of fibrous material, one layer including a ply having the fibres extending in one direction and having bands connected to opposite edges of the ply over the ends of the fibres, and each layer adjacent said first layer including a ply having the fibres extending substantially transversely to said fibres of the first ply and having bands connected to opposite edges thereof over the ends of the fibres, said layers being secured together face to face with the edges thereof substantially coinciding.

2,139,881
COFFEE INFUSION APPARATUS
John Sterling Comstock, Hollywood, Calif.
Application December 31, 1934, Serial No. 759,896
4 Claims. (Cl. 53—3)

1. In a coffee making apparatus, the combination of a closed coffee infusion chamber, a conduit for conveying hot water to the chamber, an air vent near the upper end of the chamber allowing air which has been displaced in the lower portion of the chamber by the introduced hot water to escape, means causing the coffee grounds and hot water within the chamber to be continuously agitated, a filter controlled coffee draw-off conduit leading in an upward direction from the lower portion of said chamber, and means for impressing a differential of pressure on the hot water inlet and the coffee draw-off conduit such that water flows into the chamber and rises to and slightly above the air vent, followed by flow of liquid from the coffee draw-off conduit.



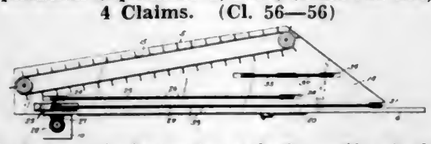
2,139,882
FLOOR STRUCTURE
George R. Cunnington, Detroit, Mich., assignor to Woodall Industries Incorporated, Detroit, Mich., a corporation of Michigan
Application January 7, 1937, Serial No. 119,414
20 Claims. (Cl. 154—2)



1. That method of fabricating a laminated insulation structure comprising placing a layer of composition material consisting of a multiplicity of fibers held together by an asphaltic compound and carrying a rubber content upon a sheet of metal and subjecting such laminated structure to heat sufficient to cause the composition layer to blow to an increased thickness and to cause the asphalt to flow out of the layer onto the metal sheet forming porosities within the layer and adhesively securing it to the metal.

5. A laminated insulation structure comprising a sheet of metal and a layer of composition material including a multiplicity of fibers held together by an asphaltic binder constituting by weight at least twice the weight of the fibers, said composition layer adhesively secured to the metal sheet by asphalt flowing therefrom onto the metal, said layer having a multiplicity of porosities formed therein during flowing of the asphalt therefrom.

2,139,883
MAIZE HEADER
Wiley Curry, Tahoka, Tex.
Application September 1, 1937, Serial No. 162,053
4 Claims. (Cl. 56—56)



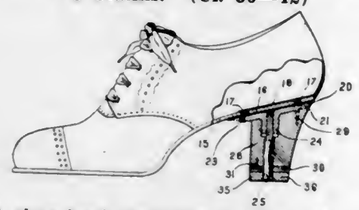
1. In a grain harvester, a body portion including spaced members, superimposed endless conveyors operating in horizontal spaced relation with respect to each other, a substantially short endless conveyor disposed adjacent to the forward end of the spaced members, and operating above the first mentioned conveyors, and an inclined endless conveyor of a width equal to the width of the space between the spaced members and adapted to engage the heads of the grain being cut and gradually bend the heads of the grain downwardly, and knives for cutting the heads from the stalks of the grain.

2,139,884
LUMINOUS TUBE SIGN CHARACTER
Arthur Clifton Deans, Los Angeles, Calif.
Application August 13, 1937, Serial No. 158,931
13 Claims. (Cl. 40—130)



1. In a luminous display, a background character, luminous tube means positioned in front thereof and providing at least two coextensive tube branches in correspondence to each other and a character stroke, one of said branches being provided with mirroring positioned to the front of the glowing gas column thereof to reflect the light therefrom back to said character, and the other of said branches being provided with mirroring positioned to the rear of the glowing gas column thereof to reflect the light therefrom forward to the observer.

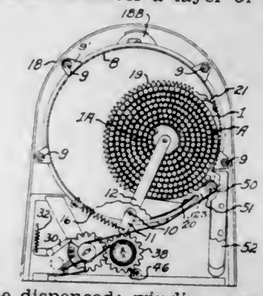
2,139,885
REMOVABLE HEEL
Enrico De Gironimo, New York, N. Y.
Application July 15, 1938, Serial No. 219,331
3 Claims. (Cl. 36—42)



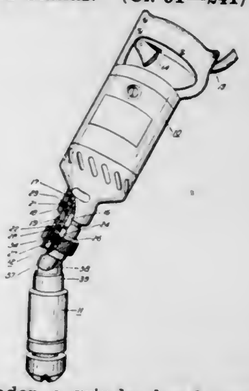
1. A shoe heel comprising a plate fixed to the sole of a shoe and having an inwardly inclined border flange constituting a socket, a second plate having a downreaching dowel secured in said socket, a heel body held to said second plate, a heel lift, means to prevent twisting of said lift relative to said body, and means to clamp said lift and body to said second plate.

2,139,886
PRETZEL STICK VENDING MACHINE
Richard E. Drachenberg, Detroit, Mich.
Application February 29, 1936, Serial No. 66,382
3 Claims. (Cl. 312—74)

1. In a vending machine of the class described, a housing; a rockable shaft projecting through one wall of said housing; a supporting arm fixedly mounted at one end on the inner end of said shaft and projecting therefrom radially of said housing; a rocker arm fixedly mounted at one end at the outer end of said shaft; a spring fixed at one end and connected at its opposite end to the other end of said rocker arm for normally tending to rock said shaft in one direction; a core connected to the other end of said supporting arm and rotatable; a winding reel mounted concentrically on said core and rotatable about the axis of said core; a flexible member wound on said core, and being positioned between each layer of said flexible member a layer of separable articles to be dispensed; winding means for winding said flexible member thereon upon the unwinding of said flexible member from said reel, the winding of said flexible member on said winding means effecting a discharge of said separable members.



2,139,887
GRINDING DEVICE
Allen I. Dunn, Cedar Rapids, Iowa, assignor to Cedar Rapids Engineering Company, Cedar Rapids, Iowa, a corporation of Iowa
Application March 1, 1937, Serial No. 128,388
14 Claims. (Cl. 51—241)



7. In a grinder, a grinder head, means for determining the axis of rotation of the grinder head with respect to the work, and other means for minimizing undesirable vibrations and oscillations of the grinder head comprising a weight journalled on the grinder head, means for preventing the weight from rotating with the head, and a means for driving the grinder head flexibly connected thereto whereby vibrations of the motor are not transmitted to the grinder head and vibrations of the grinder head are not transmitted to the motor.

2,139,888
HOSE STRUCTURE
Arthur J. Fausek and Irwing F. Fausek, Clayton, Mo.
Application August 10, 1936, Serial No. 95,150
3 Claims. (Cl. 138—49)

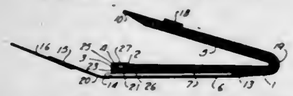
1. A hose comprising a unitary, integral body portion twisted longitudinally about its axis so as to cause portions of said body portion to extend spirally and longitudinally of its axis, said body portion being permanently set in its twisted

and spiral condition so that it retains such formation at all time and being provided with



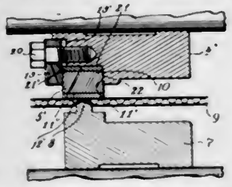
passageways formed therethrough which also extend spirally and longitudinally of the axis of said body portion.

2,139,889
CHECK AND LIKE BOOKS
Frank R. Ferguson, Kansas City, Mo., assignor of one-half to John S. Dodsworth, Kansas City, Mo.
Application January 18, 1937, Serial No. 121,039
1 Claim. (Cl. 281—19)



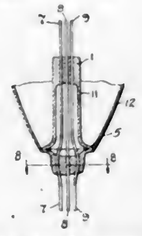
In a device of the character described, a cover, fastening devices fixed to the cover having backing members and upwardly projecting shanks provided with resiliently yieldable heads, a pad consisting of paper sheets, and a metal clip having top and bottom flanges bindingly engaging one end of the pad to retain the sheets in pad form, said top flange having a substantially plane surface, said bottom flange having openings to pass the heads of the fastening devices upon yielding of said heads, the edges of said bottom flange defining said openings being directly and removably engaged with said shanks, said bottom flange being removably engaged with and anchored between said backing members and heads of the fastening devices to removably mount the pad in the cover.

2,139,890
CREASER
Thomas S. Fitchett, Glenarm, Md., assignor to F. X. Hooper Company, Inc., Glenarm, Md., a corporation of Maryland
Application June 13, 1936, Serial No. 84,996
7 Claims. (Cl. 93—58.1)



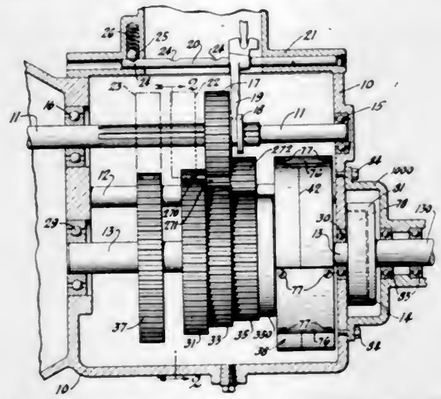
1. A creaser member for creasing corrugated board and the like in the manufacture of box blanks, the creaser member being adapted to engage the paper being creased in opposition to a creaser knife, said member consisting of a rubber supporting or base ring secured to a creaser head concentrically therewith, the rubber ring having two opposite axial end surfaces and the creaser head having rigid means supporting said surfaces, and a metal face ring having its inner periphery secured to the outer periphery of said rubber ring whereby the metal ring is resiliently supported on the head.

2,139,891
METHOD OF MANUFACTURING FILAMENT SUPPORTING ASSEMBLIES FOR LAMPS
Leo S. Greenmun, Binghamton, N. Y., assignor to Dayatnite Lamp Corporation, Newark, N. J., a corporation of Delaware
Application August 8, 1935, Serial No. 35,330
Renewed January 19, 1938
6 Claims. (Cl. 49—78)



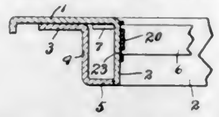
1. The method of manufacturing filament supporting assemblies for lamps which comprises flanging a tube intermediate its ends, inserting filament supporting wires in said tube, sealing all of said wires in said tube at one end of the tube and blowing an aperture in said tube adjacent said sealed end of the tube.

2,139,892
AUTOMATIC VARIABLE SPEED TRANSMISSION
William Hartz, Detroit, Mich.
Application August 7, 1937, Serial No. 157,923
12 Claims. (Cl. 74—336.5)



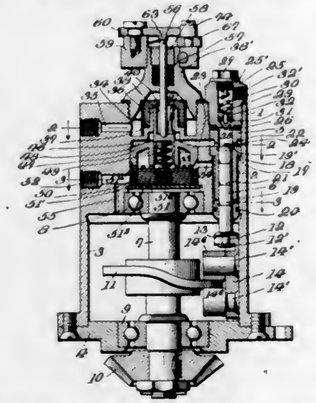
1. In a variable speed transmission, a drive shaft, an idler shaft and a driven shaft, a driving gear on said drive shaft, a triple idler gear on said idler shaft driven by said driving gear; low, intermediate and high speed driven gears in constant mesh with said triple idler gear simultaneously rotated thereby at various speeds with respect to each other mounted on said driven shaft freely rotatable with respect to said driven shaft, a gear selector unit mounted on said driven shaft rotatable therewith; sets of low, intermediate and high speed ratchet stops in said gear selector unit normally urged into engagement with the low, intermediate and high speed gears respectively; and means responsive to the speed of the said driven shaft adapted to selectively permit only one of the sets of low, intermediate or high speed ratchet stops to engage one of the said driven gears at a time whereby the gear ratio between the said drive shaft and driven shaft is automatically varied.

2,139,893
ADJUSTABLE REGISTER
Loyd E. Heasley, Holland, Mich., assignor to Hart & Cooley Manufacturing Company, Dover, Del., a corporation of Delaware
Application September 30, 1936, Serial No. 103,330
3 Claims. (Cl. 98—107)



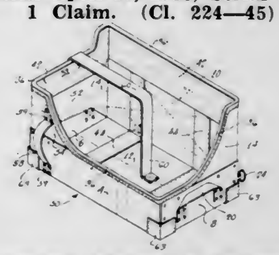
1. A register comprising, an open frame having spaced apart parallel sides, each of said sides having spaced pivot receiving openings therein in the lengths of the sides, grille bars extending between said sides of the frame, each of said bars at each end and adjacent one edge thereof having a projecting pivot passing through said openings in the opposite sides of the frame, each of said bars at one end having an intermediate portion removed to provide projections adjacent the opposite edges of said grille bars, and a connecting bar located at the inner side of and alongside one of said sides of the frame having pivot pin openings through which the pivots on said grille bars pass, said pivot openings being located adjacent one edge of the connecting bar, said connecting bar adjacent its opposite edge having spaced openings in which the said projections on the grille bars are received.

2,139,894
FUEL INJECTION AND MIXTURE CONTROLLING APPARATUS FOR INTERNAL COMBUSTION ENGINES
Carl F. High, Flint, Mich.
Original application August 16, 1930, Serial No. 475,791. Divided and this application October 9, 1933, Serial No. 692,889
4 Claims. (Cl. 123—139)



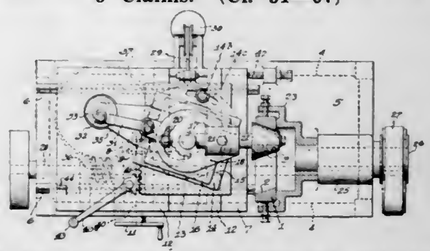
3. A charge forming means for internal combustion engines comprising, in combination, means for delivering fuel under pressure to the engine, fuel throttling means, means for delivering air to the engine, an air throttling means for controlling air delivered to the engine, a yieldable connection between said fuel throttling means and said air throttling means for rendering the air throttling means responsive to manual operation of the fuel throttling means comprising a lever, means providing a yieldable support for one end of the lever, and a dashpot for temporarily retarding movement of the free end of the lever, and manually operated means for simultaneously actuating one of said controlling means and said lever.

2,139,895
ICE CARRIER
Bert C. Hosselkus, St. Louis, Mo., assignor to Leroy B. Barber, trading under the name of Vivian Manufacturing Company, St. Louis, Mo.
Application April 30, 1936, Serial No. 77,163
1 Claim. (Cl. 224—45)



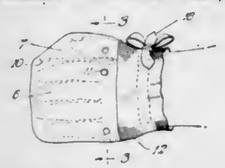
An ice carrier adapted to be carried on an operator's shoulder provided with a bottom, side and end walls extending upwardly from the bottom to form a receptacle, one of said sides and an end wall adjacent thereto extending substantially above the other end wall, a restricting means adapted to prevent the extended side from folding in a direction outwardly from said receptacle, and a strap having one end secured substantially centrally of the bottom and its other end secured over the upper edge of the extended end wall, one of said ends being adjustably secured.

2,139,896
METHOD OF AND MEANS FOR LAPPING CONICAL SURFACES
Glen F. Johnson, Detroit, Mich., assignor, by mesne assignments, to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application June 3, 1935, Serial No. 24,670
5 Claims. (Cl. 51—67)



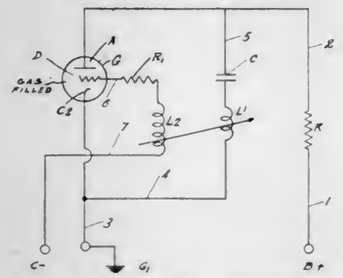
2. In a machine for the purpose described, the combination of a chuck for holding an annular bearing member having an inner conical surface, means for non-rotatively supporting a lapping member in line contact at one side only with said surface throughout the width thereof with said line extending throughout its length in the axial plane of said annular member and at an angle to the longitudinal axis thereof, said angle being the same as the conical angle of said surface, said supporting means including a slide and a reciprocable member upon which said lapping member is mounted, means for rotating said chuck at high speed, and means for reciprocating said slide simultaneously with the rotation of said chuck and at a speed varying throughout the length of its reciprocation to move said lapping member endwise in contact with said conical surface and vary its path of travel in contact with said surface.

2,139,897
HAND PROTECTOR
Dorothy Moore Kessler, Chicago, Ill., assignor to Mary Redfield, Chicago, Ill.
Application May 20, 1936, Serial No. 80,778
4 Claims. (Cl. 128—133)



4. A baby mitten comprising a fabric palm section and a fabric back section stitched together along all of their corresponding edges but one, to form a pocket, said pocket being divided by parallel rows of stitching into a finger-receiving portion and a smaller thumb-receiving portion, a stiffening member arranged between said rows of stitching, a wrist section of lighter material attached to the free edges of said pocket, and a tape running through said wrist section for securing the latter to the hand.

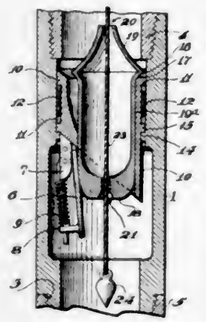
2,139,898
STABILIZATION OF OSCILLATION GENERATOR
Winston E. Kock, Cincinnati, Ohio, assignor to The Baldwin Company, Cincinnati, Ohio
Application October 23, 1935, Serial No. 46,449
Renewed May 6, 1938
7 Claims. (Cl. 250—36)



5. A stabilized oscillator comprising a single gaseous glow discharge tube having an anode, a cathode and a grid, an anode-to-cathode feed circuit including a source of potential and a resistance, an anode-to-cathode control circuit containing a winding of a transformer and a capacity, and a grid-to-cathode circuit containing another winding of said transformer and a source of bias potential, said grid circuit also containing a resistance.

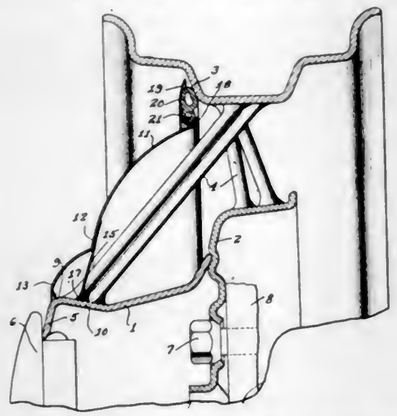
2,139,899
DEPTH MEASURING DEVICE FOR OIL WELL EQUIPMENT
Frank L. Le Bus, Oklahoma City, Okla.
Application December 4, 1936, Serial No. 114,141
2 Claims. (Cl. 33—126.5)

1. In combination with a floating valve structure for drill pipe lines in well boring, a device for engaging the interior of said valve structure to open said valve and for maintaining said valve in open position and for ascertaining the well depth, said device comprising a hollow cylindrical body, adapted to be seated within said valve structure, there being openings in both ends of said hollow cylindrical body, a cable or line passing through said body, a weight carried on one end of the cable or line, said cylindrical body adapted to be lowered into the well to open the valve of the valve structure and hold it open,



the weighted end of the cable descending to ascertain the well depth and picking up said cylindrical body on ascent and thereby closing said valve.

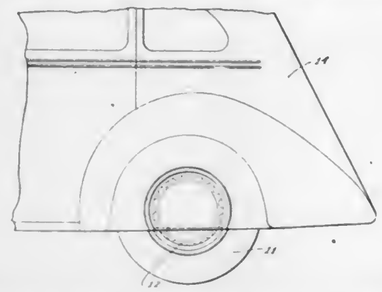
2,139,900
ORNAMENTAL WHEEL DISK
George Albert Lyon, Detroit, Mich.
Application December 8, 1934, Serial No. 756,569
3 Claims. (Cl. 301—37)



1. As an article of manufacture, a disk element arranged to cover a portion of the space between the rim and hub of a wheel, said disk having a central opening for engagement over the hub of a wheel, and a plurality of separate individual spring members secured to the rear face of said disk and about and radially outward from said wheel hub, each member projecting radially inwardly and axially outwardly from the place of securement to the disk for biting engagement with said hub.

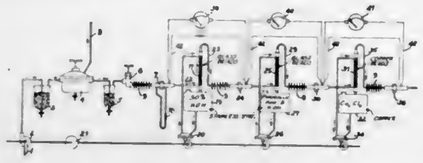
2,139,901
ORNAMENTAL FENDER SKIRT
George Albert Lyon, Allenhurst, N. J., assignor to Lyon Incorporated, Detroit, Mich., a corporation of Delaware
Application October 7, 1936, Serial No. 104,377
10 Claims. (Cl. 280—153)

1. As an article of manufacture, an ornamental fender skirt having a fender engaging edge adapted to engage only the inner side of a vehicle fender, and means on said skirt adapted to extend into detachable snap-on skirt securing en-



gagement with the underturned marginal edge of a vehicle fender.

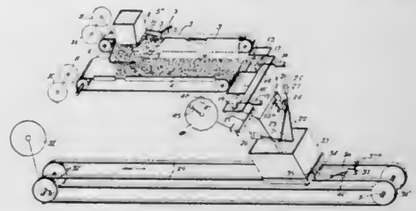
2,139,902
MEANS AND METHOD FOR ANALYZING GASES
George Malmgren, Santa Cruz, Calif.
Application May 14, 1935, Serial No. 21,442
2 Claims. (Cl. 23—232)



2. The method of analyzing a gas flow through a single line which comprises absorbing a single component of said gas, constricting the flow by a first orifice before absorbing to determine the quantity of flow, constricting the flow by a second orifice after absorption, electrically measuring the temperature between a point before absorption and after the first constriction and a point immediately after the second constriction, repeating the process a plurality of times to determine the quantity of a plurality of constituents, and serially connecting indicating means associated with each of said temperature difference measuring means to form a complete indication of all component portions of said gas flow.

2,139,903
AUTOMATIC WEIGHING DEVICE
Alfred Edwin Mason and Ira R. Sigman, San Francisco, Calif.
Application January 12, 1937, Serial No. 120,197
4 Claims. (Cl. 249—43)

1. In apparatus of the character described, a volume conveyor and a dribble conveyor arranged and adapted to respectively carry and discharge a relatively large and relatively small amount of material therefrom, a volume hopper and a dribble hopper respectively arranged relative to the conveyors to receive the material discharged from the volume and dribble conveyors, said volume and dribble hoppers each provided with a discharge opening and movable closure therefore, a weigh hopper positioned to receive material from the discharge openings of the volume and dribble hoppers, the weigh hopper being provided with a discharge opening and closure therefore, power means arranged for simultaneously and separately actuating the conveyors, the closures of the volume and dribble hoppers being normally open and the weigh hopper closure being normally closed when both conveyors are actuated to carry and discharge material therefrom, means actuated by the weight of material in the weigh hopper for stopping the volume conveyor and for moving the volume hopper closure to closed position and means actuated by a predetermined added weight of material in the weigh hopper for stopping the



dribble conveyor and for moving the dribble hopper closure to closed position and for opening the weigh hopper closure to discharge the material therefrom, means arranged to automatically close said weigh hopper closure upon discharge of material therefrom, means operated by movement of the weigh hopper closure for re-starting the conveyors and opening the volume and dribble hopper closures to passage of material into the weigh hopper.

2,139,904
APPLICATOR FOR HAIR AND SCALP TONICS OR THE LIKE
Frank H. Merrill, Los Angeles, Calif.
Application July 26, 1937, Serial No. 155,703
5 Claims. (Cl. 132—13)

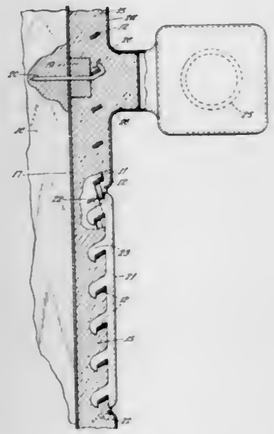


1. An applicator of the character described, embodying a body member and teeth depending from said body member, said teeth having capillary bores extending longitudinally thereof, each of said bores opening at one end to the tip of the associated tooth, and said bores being vented to the atmosphere at their other ends, the portions of the bores adjacent the tips being of relatively restricted diameter.

2,139,905
TILED WALL
Harold A. Meyrick, Chicago, Ill.
Application October 30, 1937, Serial No. 171,841
11 Claims. (Cl. 72—18)

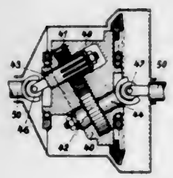
1. A tile wall comprising an open or recticulated metal sheet consisting of a plurality of strand and connecting bond elements arranged to provide a uniform pattern, a plurality of tiles each having a plurality of rearwardly extending suspension members respectively spaced and positioned to correspond to the spacing and position of selected elements in an area of the sheet corresponding to a tile area, said tiles being suspended from the sheet by positioning said members

respectively resting on the upper edge of the selected bond elements, and a backing of molded



material in which said sheet and suspension members are embedded.

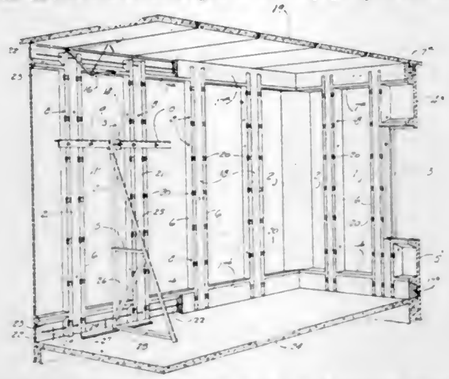
2,139,906
DIFFERENTIAL
Hans Molly, Karlsruhe, Germany, assignor to Zahnradfabrik Friedrichshafen Aktiengesellschaft, Friedrichshafen-on-the-Bodensee, Germany
Application September 8, 1936, Serial No. 99,694
In Germany March 29, 1935
3 Claims. (Cl. 74—312)



1. In a balance gear for driving a road vehicle, the combination of: a main driving shaft; a casing operatively connected to said driving shaft; a pair of spindles carried by said casing and arranged in a plane inclined with respect to the plane of rotation; a pinion carried by one spindle; a second pinion carried by the other spindle and gearing with said first pinion; a Cardan joint connected to each of said spindles; and a half-axle shaft carrying a road wheel connected to each of said Cardan joints, and said Cardan joints being arranged in planes disposed at right angles to one another.

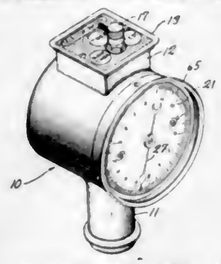
2,139,907
BUILDING CONSTRUCTION
Sverre F. Nielsen, San Diego, and Fred Bostad, Los Angeles, Calif.
Application March 26, 1937, Serial No. 133,212
10 Claims. (Cl. 72—16)

1. A system of building construction consisting of full wall height or story height panels, having near their vertical edges vertical inwardly directed ribs constructed to form vertical V shaped grooves between two adjoining units, and having near the horizontal edges inwardly projected ribs



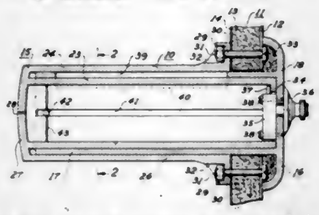
which together with the roof or floor or second tier of panels form horizontal channels.

2,139,908
TIMER
Howard H. Osborn, Chicago, Ill., assignor to H. G. Fischer & Co., Inc., Chicago, Ill., a corporation of Illinois
Application October 3, 1935, Serial No. 43,379
14 Claims. (Cl. 200—38)



1. A timer comprising a casing, a synchronous motor, a shaft driven by said motor, a pointer fast on said shaft, a switch member, a switch actuating member, and a dial rotatable manually relative to said casing and said shaft, one of said members being mounted for rotation with said dial and the other of said members being mounted for rotation with said shaft.

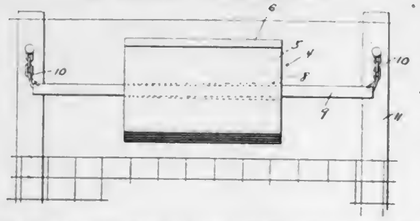
2,139,909
LOCKED COMPARTMENT
George A. Park, Lakewood, Ohio
Application January 20, 1938, Serial No. 185,868
5 Claims. (Cl. 40—19)



5. A locked compartment arranged to be secured to a partition comprising, in combination, an internal support means extending through the partition, said internal support having a rearward closing portion, external support means attached at its rearward end to the rearward portion of the

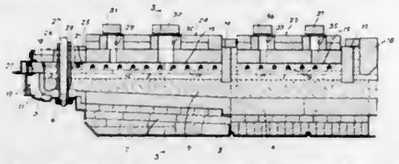
said internal support, fastening means on said external support to secure said locked compartment to said partition, a slidable drawer arranged to be supported between the said external and internal support means, a face plate attached to said drawer and arranged to conceal said fastening means, locking means through said face plate arranged to secure said face plate to said internal support, a transverse member actuated by said slidable drawer and arranged to withdraw forwardly the contents of said internal support as the said drawer is withdrawn.

2,139,910
STOCK LICKING SALT BLOCK
Leslie Aaron Patten, Mankato, Minn.
Application September 2, 1936, Serial No. 99,145
1 Claim. (Cl. 119—51)



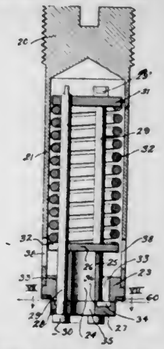
In an assemblage of the class described, a pair of complementary relatively stationary supporting posts, a tubular horizontally disposed suspension rod, said rod having its opposite ends bearing against said post, relatively short hanger chains detachably secured to the opposite ends of said rod and extending vertically and at right-angles therefrom, fastening means securing said chains to said posts, and a stock licking salt block of a length considerably less than the length of said rod, said block being substantially rectangular in cross sectional form, having flat ends and side surfaces, and having a central tapered bore through which said rod is extended for rotatably and slidably supporting the block on said rod, whereby said rod can be conveniently suspended to facilitate use by the stock.

2,139,911
FOREHEARTH FOR MOLTEN GLASS
Karl E. Peiler and William T. Barker, Jr., West Hartford, Conn., assignors to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application April 1, 1937, Serial No. 134,356
17 Claims. (Cl. 49—54)



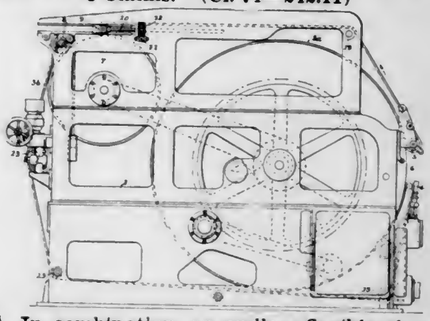
1. A forehearth comprising a glass flow channel closed at its outer end, spaced elongate refractory combustion tunnels in the side and outer end walls of the forehearth above the level of the glass in the channel, each of said tunnels being generally conoidal in shape to cause combustion of gas-air mixtures therein at the inner surfaces of the walls thereof and having a larger end open at the inner surface of the wall of the forehearth channel in which said tunnel is located, means for supplying gas-air mixtures to the smaller outer ends of said combustion tunnels, means cooperating with said means for supplying gas-air mixtures to seal the smaller outer ends of said tunnels to prevent ingress of additional air to said tunnels, and means for controlling the gas-air mixtures supplied to said tunnels to produce practically complete combustion in all of said tunnels and a predetermined temperature gradient in the glass in the channel longitudinally of said channel.

2,139,912
HYDRAULIC SHOCK ABSORBER VALVE STRUCTURE
Ralph F. Peo, Carl F. Lautz, and Gervase M. Magrum, Buffalo, N. Y., assignors to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application January 28, 1938, Serial No. 187,352
12 Claims. (Cl. 188—100)



1. A valving assembly for controlling the displaced hydraulic fluid in a hydraulic shock absorber, comprising a seat member, a valve for seating against one side of said seat member, a second valve for seating against the other side of said seat member, a number of pins connected to one of said valves and extending past said seat member and beyond the other valve, an abutment at the ends of said pins, a spring interposed between said other valve and said abutment for resisting opening movement of either valve, and fluid flow passageways controlled by said valves.

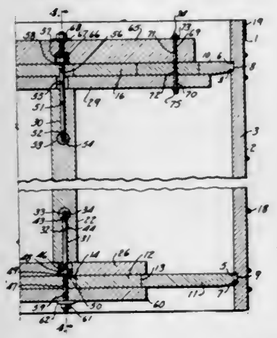
2,139,913
TENSIONING DEVICE
Clifford H. Ramsey, Glen Rock, N. J.
Application January 21, 1937, Serial No. 121,717
3 Claims. (Cl. 74—242.11)



1. In combination, an endless flexible element and devices maintaining bights therein and around which said element travels, supporting structure for said devices, means in said structure for adjusting one such device to vary the

tension on said element and one such device being rotatable in said structure and having its bight-maintaining portion eccentric to the axis of rotation of such device, and means yieldingly urging the last-named device in the rotative direction to coact with the other device to hold said element in tensioned state.

2,139,914
TANK
Gwynne Raymond and Lee E. Young, Oklahoma City, Okla., assignors to Black, Sivalls & Bryson, Inc., Oklahoma City, Okla., a corporation of Maine
Application July 20, 1936, Serial No. 91,500
10 Claims. (Cl. 217—4)

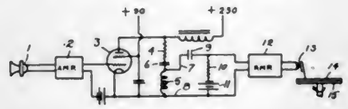


4. A support for the upper and lower heads of a tank including a post having axial bores extending inwardly from the ends of the post and terminating in intersecting bores extending transversely through the post, anchoring members in the transverse bores, means for closing the ends of the transverse bores, stud bolts in the axial bores and having connection with the anchoring members, a footing member inserted between the lower end of the post and the lower head and having an opening to pass the stud bolt at the lower end of the post, a nut on said lower stud bolt enclosed in said opening for engaging against the lower head, means on the stud bolt for engaging under the head to draw the post into sealing contact with the footing member and the footing member against said head, a stringer supported on the upper end of the post and having an opening to pass the stud bolt at that end of the post, and a nut on the upper stud bolt engaging the outer face of the upper head to draw the head against the stringer and the stringer against the upper end of the post, said heads, post, footing member and stringer being formed of material resistive to corrosive action of fluid contained in the tank for shielding the anchoring members, stud bolts and nuts from said corrosive action of the fluid.

2,139,915
DRIED FRUIT PROCESS AND PRODUCT
Henri Daniel Rey, Papeete, Tahiti, assignor to The Anglo California National Bank of San Francisco, trustee, San Francisco, Calif., a corporation
No Drawing. Application March 14, 1936, Serial No. 68,885
7 Claims. (Cl. 99—204)

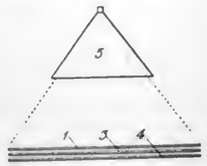
1. The process of drying fruit which comprises evaporating the moisture from fresh fruit bodies until they are firm enough to stand kneading without substantial rupture of their external layers and exudation of their juices, then subjecting the fruit bodies to mechanical manipulative working or kneading until the cellular structure has become loosened up and the juices substantially distributed throughout the fruit bodies while maintaining their individuality, and in the case of drupaceous fruits the pits within the fruit bodies are substantially released from attachment to the flesh.

2,139,916
SOUND RECORDING AND REPRODUCING SYSTEM
Stuart W. Seeley, Jackson, Mich., assignor, by direct and mesne assignments, to Radio Corporation of America, New York, N. Y.
Original application January 19, 1931, Serial No. 509,693. Divided and this application April 15, 1935, Serial No. 16,296
2 Claims. (Cl. 179—100.4)



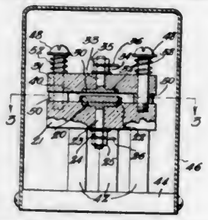
1. In a sound recording system, means for translating the sound to be recorded into electrical waves, an amplifier for amplifying said electrical waves, said amplifier having at least one vacuum tube and having an output circuit including a resistance, a condenser and an inductance in series, an electrically operated cutting tool, and means for actuating said cutting tool in accordance with the voltage variations across said inductance, the constants of said amplifier output circuit being such that the amplifier has a gain characteristic rising in direct proportion to the frequency of said electrical waves for producing voltage variations across said inductance such that the record track wave cut by said cutting tool has a substantially constant amplitude throughout the recorded frequency band.

2,139,917
METHOD FOR THE PRODUCTION OF COLOR PRINTING PLATES
Walter F. Sinn, Ridgewood, Brooklyn, N. Y.
Application September 2, 1936, Serial No. 99,073
6 Claims. (Cl. 95—5.1)



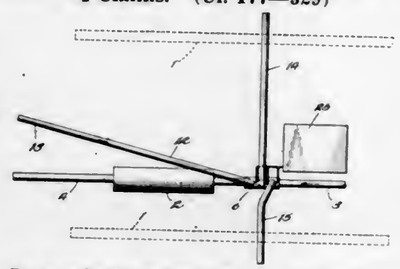
1. In the production of color printing plates, the step of producing a transparent key negative of the desired image, the step of reproducing the image through said negative upon a sensitized photographic surface whilst blocking out areas of the image not to be reproduced in the given color, the step of subjecting the sensitized surface to a second exposure through a mask which passes light rays to those areas of the image on the sensitized surface desired to be shown in a relatively deep color density, developing the positive thus produced and photographically reproducing the positive upon a photo-mechanical medium.

2,139,918
PIEZOELECTRIC CRYSTAL MOUNTING
Franklin W. Smalts, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 30, 1936, Serial No. 103,382
5 Claims. (Cl. 171—327)



1. In combination, a pair of metal electrodes, a piezo-electric crystal interposed between said electrodes and contacting at least one of said electrodes, the area of the electrode surface of each electrode corresponding substantially to the area of the crystal surface adjacent thereto, a pair of plates composed of insulating material for supporting said metal electrodes, each of said insulating plates having a surface area considerably greater than that of the electrode which it supports, and means connected between said insulating plates for varying the spacing between said metal electrodes.

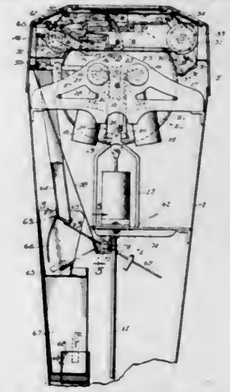
2,139,919
AUTOMOBILE SAFETY SYSTEM
Frederick A. Watkins, Highland Park, Ill.
Application January 11, 1936, Serial No. 58,655
4 Claims. (Cl. 177—329)



4. In a vehicle driven by an internal combustion engine and having means including a sound muffler through which the products of combustion are discharged, means for giving an audible signal comprising a by-pass for the muffler and means for closing and opening said by-pass, and means for coloring the gases discharged through the by pass, to increase visibility.

2,139,920
COUNTING REGISTER FOR COIN CONTROLLED MECHANISMS
Burns S. Watling, Chicago, Ill., assignor to Watling Scale Company, Chicago, Ill., a corporation of Illinois
Application July 24, 1937, Serial No. 155,380
3 Claims. (Cl. 194—21)

1. In an apparatus of the class described, the combination of a movable member, mechanism for moving said member, a latch normally locking said member against movement in one direction, a counting register, and coin-controlled latch retracting and register operating means, including a lever fulcrumed on and connected to said register to operate the same and adapted to be rocked by a deposited coin and means con-



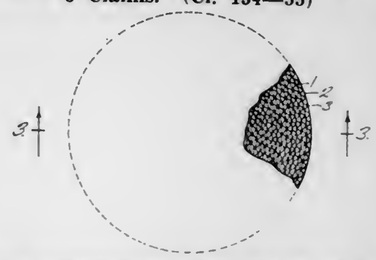
necting said lever and latch for retracting the latter when said lever is rocked by said coin.

2,139,921
SNAP ACTING THERMOSTAT
Robert A. Weinhardt, Detroit, Mich., assignor to W. M. Chace Company, Detroit, Mich., a corporation of Michigan
Application June 7, 1938, Serial No. 212,319
19 Claims. (Cl. 200—138)



1. A thermostatic control comprising a strip of thermostatic material consisting of a plurality of laminae having different coefficients of expansion, a support for the strip maintaining the strip arched between two spaced points, a second strip of thermostatic metal consisting of a plurality of laminae having different coefficients of expansion, said second strip being secured to said first strip and having one of its ends free, the lamina of the second strip having the higher coefficient of expansion being positioned toward the lamina of the said first strip having the lower coefficient of expansion whereby upon a rise of temperature the free end of said second strip tends to move away from the first strip until a predetermined temperature is reached whereupon the first strip abruptly reverses its curvature and draws the free end of the second strip toward the first strip.

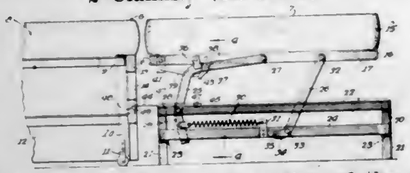
2,139,922
CORRUGATED RUBBER BUNDLE
Floyd E. Williams and Henry F. Irving, Gary, Ind., assignors to Marbon Corporation, Chicago, Ill., a corporation of Delaware
Application September 12, 1936, Serial No. 100,534
3 Claims. (Cl. 154—55)



1. An intermediate product suitable for wash-

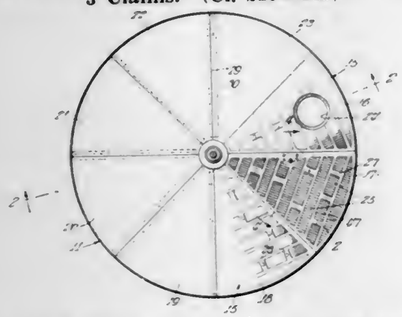
ing, shredding and other treatment preparatory to conversion into finished articles of manufacture, comprising a plurality of plies of corrugated ruober hydrochloride, the plies being in spaced relationship so as to form a multiplicity of walled passageways.

2,139,923
STUDIO COUCH
Edward E. Woller, Kenosha, Wis., assignor to Simmons Company, New York, N. Y., a corporation of Delaware
Application August 22, 1934, Serial No. 740,980
2 Claims. (Cl. 5—26)



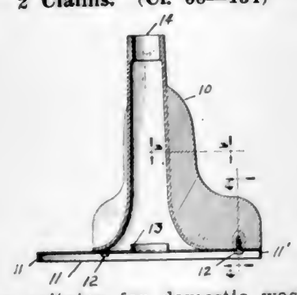
1. In a collapsible couch section of the class described, the combination of a main supporting frame, a bed bottom structure, means for mounting said bed bottom structure on said main frame for turning movement from normal inverted, collapsed position to elevated, reversed bed position, said means comprising a link pivoted at one end to said bed bottom structure intermediate the width of the latter and at its other end to said main frame adjacent one side of the latter, another link pivoted respectively at its opposite ends to said bed bottom structure and main frame, stop means engaged by one of said links for limiting swinging movement thereof as an incident to elevation of the bed bottom structure, and disengageable interlocking means for locking the bed bottom structure in the elevated position determined by said stop means.

2,139,924
TANK
Harry L. Woodruff, Chicago, Ill., assignor to Atlas Copper & Brass Mfg. Co., Chicago, Ill., a corporation of Illinois
Application July 16, 1936, Serial No. 90,934
3 Claims. (Cl. 210—149)



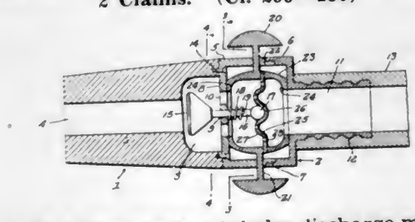
1. In a device of the class described, the combination of a tank having a main bottom, a false bottom positioned in said tank in spaced relation to said main bottom, said false bottom comprising a plurality of segments, one of said segments having an aperture therein, and each segment having a plurality of substantially parallel series of substantially parallel elongated slots formed therein, certain of said series being longitudinally aligned and spaced to provide imperforate portions between adjacent ends of the aligned series, means on the respective segments for positioning and aligning the segments horizontally and in a common plane with respect to each other, a plate having a screw-threaded recess formed therein rigidly secured to said main bottom, a bracket rigidly secured to one of said segments and having an aperture in register with the aperture formed in said one of said segments, and a bolt positioned in said apertures and recess and having a head engaging said bracket for securing said bottoms in relatively fixed position with respect to each other.

2,139,925
SEPARABLE BASE AGITATOR
Alpheus W. Altorfer, Peoria, Ill.
Application August 10, 1936, Serial No. 95,069
2 Claims. (Cl. 68—134)



2. In an agitator for domestic washing machines, an integrally cast central stem and vane member, a drawn sheet metal base member, a relatively deep vertical flange on the outer periphery of said base member to maintain the flatness of said base member, and means to fasten said central stem member and said base member together in a flat based unit.

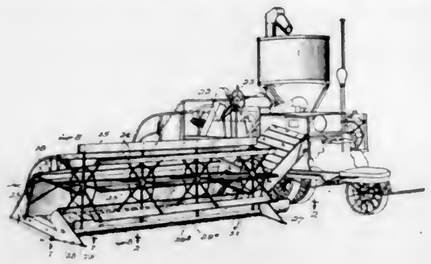
2,139,926
HOSE NOZZLE
Robert E. Byars, Elmhurst, Long Island, N. Y.
Application March 7, 1938, Serial No. 194,462
2 Claims. (Cl. 299—150)



1. In a hose nozzle, a tubular discharge member having an axial bore therein, a normally open valve mounted on the rear end of said discharge member for movement axially of said bore into closing position relative thereto, and means for moving said valve into closing position comprising an annulus larger in diameter than said member and mounted on the rear end of said member for movement under impacts thereagainst laterally of the axis of said member, and operating connections between said annulus and valve.

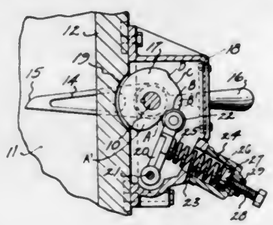
2,139,927
SICKLE HEADER FOR HARVESTERS AND THE LIKE
Joe H. Bane, Dana, Ill.
Application May 14, 1937, Serial No. 142,524
15 Claims. (Cl. 56—158)

5. A header for a harvester or the like comprising a platform, a frame member along the forward edge of the platform, a pair of superposed sickles, bearing means for mounting the sickles a spaced distance forwardly of the frame member for reciprocation of the sickles relative to each other and to the platform, the bearing means comprising widely spaced brackets secured at intervals to the frame member and ex-



tending forwardly therefrom, the brackets presenting short ways for slidably mounting the sickles with wide gaps therebetween, and the brackets constituting the sole support for the sickles against vertical flexing intermediate their ends, and means for simultaneously reciprocating the two sickles in opposite directions.

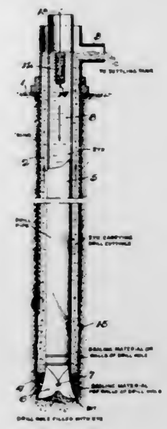
2,139,928
BALING PRESS DOG
John Blewett, Dallas, Tex., assignor to The Murray Company, Dallas, Tex., a corporation of Texas
Application October 26, 1935, Serial No. 46,863
6 Claims. (Cl. 100—30)



1. A cotton press dog mechanism including, a rock shaft, a dog fastened on said shaft, a cam fastened on said shaft and having a depression in its face and a lobe on each side of the depression, and a pivoted spring-pressed latch for engagement with said cam, the face of one of the lobes which face is adjacent the depression being of greater inclination relative to the similar face of the other of said lobes, whereby said latch will be normally retained in said depression to maintain said dog in a predetermined position and movement of said dog will be resisted by a greater force in one direction than in the other direction.

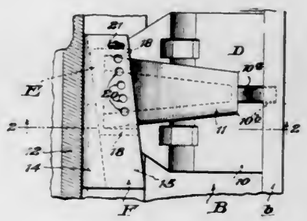
2,139,929
PROCESS OF SEALING THE WALLS OF WELLS WHILE DRILLING SAME
George Blow, New York, N. Y.
Application October 16, 1936, Serial No. 106,056
10 Claims. (Cl. 255—1)

1. In a process of drilling wells, the steps of introducing into the drill hole a drilling fluid heavier than and immiscible with water and applying a coating to the walls of the drill hole by also introducing into the bottom of the drill hole a finely divided solid carried by a liquid vehicle



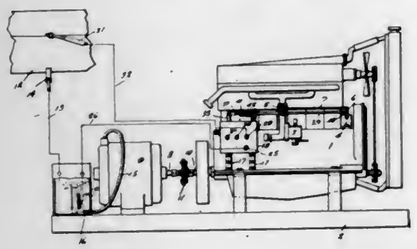
which differs in surface tension from the drilling fluid.

2,139,930
ADJUSTABLE RAIL BRACE
Charles W. Breed, Western Springs, and George R. Burkhardt, Chicago, Ill.
Application September 5, 1935, Serial No. 39,346
Renewed December 15, 1937
8 Claims. (Cl. 238—292)



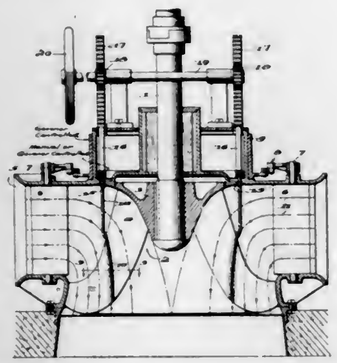
6. A rail brace comprising, in combination, the rail, a bracket mounted at the side of the rail and extending inwardly into overlying relationship to the rail flange, the inner face of said bracket being disposed approximately in vertical alinement with the outer side of the rail head, the inner and the top faces of said bracket being inclined relative to the rail web and the under side of the rail head, respectively, and a wedge member of substantially inverted L-shaped cross section including vertical and lateral longitudinally tapered portions interposed between the inner face of the bracket and the rail web and between the top of the bracket and the under side of the rail head, respectively, so that by longitudinal movement of said wedge member relative to said bracket lateral and upward pressure is exerted upon the rail, and means for fastening said wedge member against longitudinal movement relative to said bracket in different positions of longitudinal adjustment of said wedge member relative to said bracket.

2,139,931
SPEED CONTROL FOR WELDING MACHINES
Alvin F. Brunkow, Alma, Wis.
Application March 29, 1937, Serial No. 133,691
3 Claims. (Cl. 290—40)



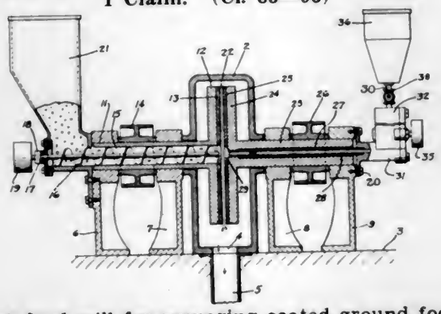
1. Speed control mechanism for a power plant including an internal combustion engine, a carbureter for said engine, a generator, and a normally open load circuit supplied by the generator, said mechanism comprising a lever pivotally mounted at one end for movement in opposite directions, connections between the other end of said lever and carbureter whereby movement of said lever in opposite directions controls said carbureter to accelerate and decelerate the engine respectively, means for moving the lever in one direction including an electromagnet in said circuit energized and deenergized by closing and opening of said circuit, respectively, tension means conditioned by movement of the lever in the last mentioned direction for reaction to move said lever in the opposite direction when the electromagnet is deenergized, and means to retard the action of said tension means.

2,139,932
TURBINE
John S. Carpenter, Athol, Mass., assignor to Rodney Hunt Machine Company, Orange, Mass.
Application November 10, 1937, Serial No. 173,939
9 Claims. (Cl. 253—121)



1. In a turbine including a runner, a distributor for delivering motive fluid radially inwardly to said runner, wicket gates pivotally mounted within the distributor, and means to open and close said gates in response to variation of load on the turbine, the combination with said gates and runner of an axially movable cylindrical gate having a diameter substantially less than the maximum diameter of the runner and disposed concentrically with respect to the runner and means to move the cylindrical gate axially of the runner to selectively position the gate to surround and mask a portion of the runner adjacent one end thereof or to a position clear of the runner, said gate in the runner masking position confining the flow of fluid through the runner to that portion of the runner lying outside the confines of the cylindrical gate while maintaining full delivery capacity of the distributor as defined by said wicket gates.

2,139,933
DISINTEGRATING MACHINE
Edwin J. R. Chenoweth, Renville, Minn.
Application March 5, 1936, Serial No. 67,318
1 Claim. (Cl. 83—93)



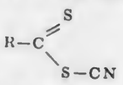
A food mill for preparing coated ground foods comprising a pair of opposing grinding elements having spaced parallel plates provided with coacting grinding faces, a supply hopper for food material to be ground, separate supply means for liquid coating material, a shaft for one of the grinding elements having a passageway therein and screw conveyer means in said passageway adapted to deliver food material from said hopper in uncoated condition to the grinding space between the elements, a shaft for the second grinding element having a restricted passageway therein of substantially smaller size than the first passageway, said second passageway being adapted to deliver liquid coating material from the supply means to the grinding space for application to the food material while being ground between the grinding elements, and pressure means for feeding the liquid coating material through said second passageway.

2,139,934
MAGNESIUM CARBONATE AND PROCESS OF MANUFACTURE
Heinz H. Chesny, San Mateo, Calif., assignor to Marine Chemicals Company, Ltd., South San Francisco, Calif., a corporation of Delaware
No Drawing. Application February 11, 1936, Serial No. 63,471
3 Claims. (Cl. 23—67)

1. In a process for the manufacture of magnesium basic carbonate, the step of carbonating a hydrous slurry of magnesium hydroxide, while the slurry is within temperature limits of from 52 to 58° centigrade, and under a pressure not substantially greater than atmospheric, whereby a magnesium normal carbonate is formed and whereby formation of needle-like crystals is inhibited, the carbonation being continued to the extent of effecting substantially complete conversion as indicated by neutrality to phenolphthalein and then converting the magnesium normal carbonate to magnesium basic carbonate.

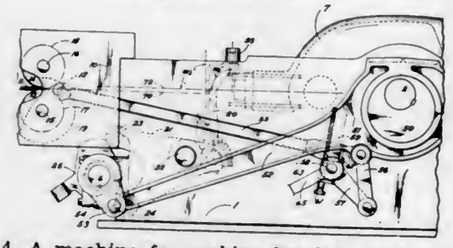
2,139,935
THIOCYANIC AND DITHIOCARBAMIC ANHYDRIDES AND THE PROCESS OF MAKING THE SAME
Jean Claudin, Paris, France, assignor to Société Anonyme des Matieres Colorantes & Produits Chimiques de Saint-Denis, Paris, France, a company of France
No Drawing. Application July 26, 1935, Serial No. 33,389. In France August 1, 1934
13 Claims. (Cl. 260—545)

10. A compound of the formula



wherein R is one of a group consisting of dialkylamino, diarylamino, arylalkylamino and alkoxy radicals.

2,139,936
MACHINE FOR MAKING BOLTS
William L. Clouse, Tiffin, Ohio, assignor to The National Machinery Company, Tiffin, Ohio, a corporation of Ohio
Application March 31, 1937, Serial No. 134,057
42 Claims. (Cl. 10—12)

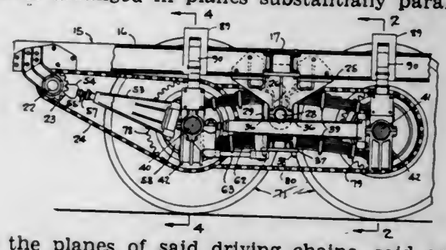


4. A machine for making headed articles including a feed mechanism and a shearing means, a longitudinally reciprocating header slide driven by a crankshaft extending transversely of said machine, said crankshaft proportioned to project at one end beyond an outer wall of said machine, an eccentric secured to said projecting end provided with a surrounding eccentric strap, reciprocating rods disposed along said outer wall operatively connecting said feed mechanism and shearing means to said eccentric strap to successively advance rod or wire stock into said machine and shear off measured lengths thereof in timed relation to header slide movements.

19. A shearing blade for rod or wire stock having an aperture therein to receive complementary shearing quill parts, one of said shearing quill parts fixed with respect to said blade and having a semi-circular opening therein to embrace one half of the rod or wire stock, the other part of said quill having a semi-circular recess therein arranged to embrace the other half of said wire or rod stock mounted to move with respect to the said one quill part and a spring carried by the blade normally urging said other quill part into engagement with said one quill part.

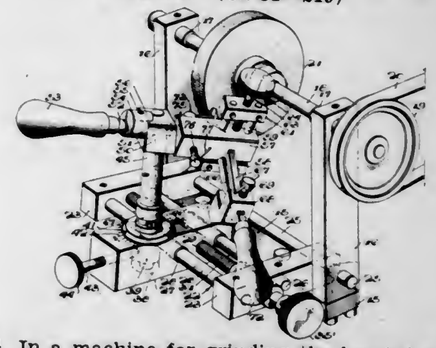
2,139,937
LAND VEHICLE
Gustave A. Collender, Los Angeles, Calif.
Application August 22, 1936, Serial No. 97,413
13 Claims. (Cl. 180—22)

7. In a vehicle comprising a framework and an axle disposed beneath a portion of said framework, wheels supporting said axle and sprockets connected to said wheels, driving chains passing around said sprockets and extending away therefrom in substantial parallelism with a vertical plane taken longitudinally through the axis of the vehicle, suspension mechanism connecting said axle to the vehicle with limited capacity for axial movement laterally of the vehicle, and a plurality of upright leaf springs extending between the axle and the framework with their leaves arranged in planes substantially parallel



to the planes of said driving chains, said axle and framework having a pair of connections with each of said upright springs to cause the latter always to resist tilting and axial movement of the axle, one of said connections comprising a rigid joint and the other comprising means affording a vertical surface parallel to and in sliding contact with the spring, whereby said sprockets and chains are constantly urged toward parallelism with said vertical longitudinal plane.

2,139,938
MACHINE FOR GRINDING DRILL BITS
Fate Dixon, Durham, N. C., assignor of one-half to Samuel A. Poole, Durham, N. C.
Application December 4, 1937, Serial No. 178,167
5 Claims. (Cl. 51—219)



4. In a machine for grinding the beveled end of a bit or the like, a substantially vertical rotary grinder, a relatively stationary support, a generally horizontal support arranged beneath and spaced from the rotary grinder, means to pivotally mount the generally horizontal support upon the stationary support so that it may be swung vertically toward and from the grinder, a guide device mounted upon the generally horizontal support and extending longitudinally thereof and projecting beyond one end of the rotary grinder, a carriage mounted upon the guide device, an adjusting screw to move the carriage longitudinally of the guide device, a generally vertical post mounted upon the carriage and having a turning axis, the post projecting upwardly beyond the carriage, a generally horizontal shaft arranged above the carriage and mounted upon the upper end of the post and turning about the axis of the post and adapted to turn upon its longitudinal axis, a clamp disposed opposite the end of the rotary

grinder and mounted upon the generally horizontal shaft and having means to receive and hold the bit so that the longitudinal axis of the bit will be arranged generally at a right angle to the surface of the end of the rotary grinder, and means for raising the generally horizontal support and for turning the generally horizontal shaft to present the end of the bit to the end of the grinder at varying distances from the periphery of the grinder.

2,139,939

METHOD OF PRODUCING AN IRON ALLOY

William J. Doyle and Justus J. Wollenhaupt, Cincinnati, Ohio, assignors of one-half to The Williamson Heater Company, Cincinnati, Ohio, a corporation of Ohio, and one-half to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York

No Drawing. Application May 15, 1936, Serial No. 79,922

3 Claims. (Cl. 75—126)

1. The method of producing an iron alloy that will not suffer undue permanent growth or cracking from high heating, which consists in melting the iron in a cupola or the like at a higher temperature than customary in gray iron practice, flowing the molten iron in a stream from the cupola to a ladle until a small amount of molten iron is accumulated in the ladle, then flowing a stream of granular ferro chrome of approximately 70 percent chromium content into the flowing stream of molten iron intermediate the cupola and the ladle, and stopping the flow of the stream of ferro chrome shortly before the ladle is filled to its intended capacity, and transporting the molten iron to and pouring it into a mold more quickly than is customary in gray iron practice.

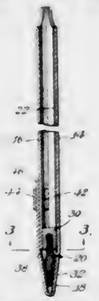
2,139,940

COMBINATION COMB CASE AND CLEANER

Robert Dreher, Chicago, Ill.

Application March 1, 1937, Serial No. 128,472

4 Claims. (Cl. 206—37)



1. A comb case comprising a sheet of material shaped to provide two sides and a tab, a brush secured between the two sides at one end thereof and having bristles projecting beyond the end of the case, a tab comprising an integral extension of one of said sides and arranged to be folded back upon itself for enclosing the brush.

2,139,941

Guillermo Estelles, London, England

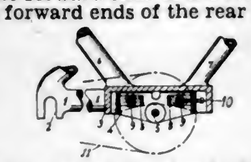
MEANS FOR ADJUSTING DRIVING CHAINS

Application August 12, 1938, Serial No. 224,541

In Great Britain March 1, 1937

2 Claims. (Cl. 74—242.14)

1. Means for adjusting the driving sprocket and driving chain of a bicycle, comprising in combination a frame consisting of the rear forks and front pillar, said rear forks having means at the rear end thereof for mounting the rear wheel of a bicycle therein, a hollow housing located at the forward ends of the rear forks and to which the forward ends of the rear forks are con-



nected and to which the front pillar is likewise connected, a bracket slidably mounted in said housing, a pedal crank spindle having rotative mounting in said bracket, a driving sprocket upon the pedal crank spindle, and means for binding the bracket in varying positions of endwise adjustment with respect to the said housing.

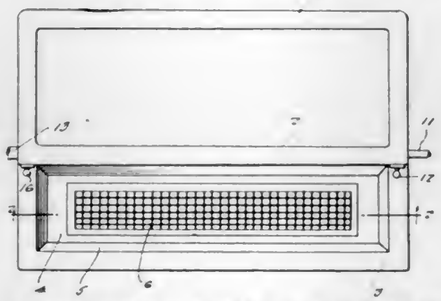
2,139,942

BATHTUB

Micheal Fellipone, East Peoria, Ill.

Application May 23, 1938, Serial No. 209,580

4 Claims. (Cl. 4—173)



1. In combination, a bath tub, a platform projecting from said tub, said platform having a chamber therein open at its top, a grate mounted on the platform over the chamber, and means communicating with the chamber for discharging warm air thereinto below the grate.

2,139,943

PROCESS AND APPARATUS FOR TREATING MINERAL OILS

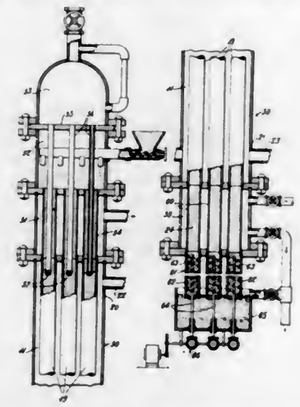
Merrell R. Fenske and Wilbert B. McCluer, State College, Pa., assignors to Pennsylvania Petroleum Research Corporation, a corporation of Pennsylvania

Application July 13, 1934, Serial No. 735,026

12 Claims. (Cl. 196—13)

3. A process for purifying a lubricating oil comprising flowing said oil through a column countercurrently to a suitable solvent under conditions causing the formation of two liquid phases, and flowing adsorbent material through said column countercurrently to said oil, said adsorbent material being present in said column in sufficient quantity to function as a contact medium between said solvent and oil.

7. Apparatus comprising, a column, means associated with said column for causing liquid phases to flow countercurrently therethrough by virtue of a difference in density such as in the solvent treatment of petroleum products, means for dividing each phase into a plurality of streams, a plurality of segregated paths, an adsorbent material in each path, and means for contacting each stream of each phase with a sep-



arate stream of each other phase in a separate segregated path.

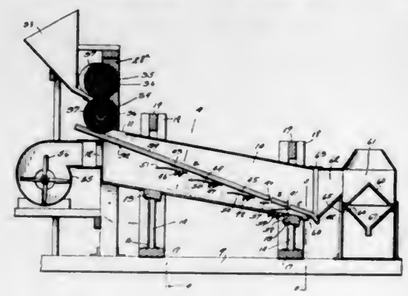
2,139,944

DRY CONCENTRATOR

Harry E. Fiscel, Pittsburgh, Pa.

Application September 12, 1936, Serial No. 100,549

11 Claims. (Cl. 209—44)



10. In a concentrator of the character described, a downwardly inclined deck having channels disposed closely adjacent each other and extending lengthwise of the deck, the channels being defined by downwardly and inwardly inclined walls whereby to cause the heavier material to flow toward the middle of each channel and squeeze up the lighter material, the channels at intervals having screened openings therethrough, the screens increasing in mesh toward the discharge end of the deck, and means for laterally vibrating the deck.

2,139,945

HEAT TRANSFER FLUID

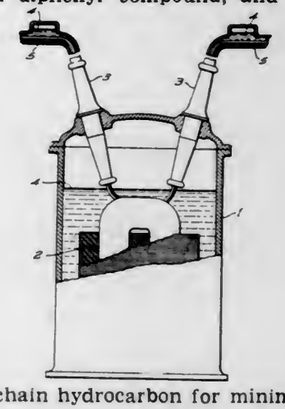
James G. Ford, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 15, 1935, Serial No. 11,259

21 Claims. (Cl. 252—1)

1. As a new composition of matter a fireproof liquid at ordinary temperatures comprising at least fifteen percent of solid halogenated naphthalene compound in admixture with a liquid halogenated cyclic compound.

5. A liquid of dielectric nature comprising in solution halogenated naphthalene, trichlorbenzene and diphenyl compound, and fluorinated



straight chain hydrocarbon for minimizing flash point.

2,139,946

DIELECTRIC LIQUID FOR ELECTRICAL APPARATUS

James G. Ford, Forest Hills, and Charles F. Hill, Edgewood, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application December 5, 1935, Serial No. 53,706

15 Claims. (Cl. 252—1)

12. A dielectric liquid for electrical apparatus consisting of ethyl-tetrachlorbenzene, ethyl-pentachlorbenzene, and a freezing point depressor selected from the group consisting of isopropyl-trichlorbenzene, aryltrichlortetralin, trichlortoluene and trichlorbenzene for depressing the freezing point of the dielectric liquid.

2,139,947

DIELECTRIC LIQUID FOR ELECTRICAL APPARATUS

James G. Ford, Forest Hills, and Charles F. Hill, Edgewood, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application March 30, 1937, Serial No. 133,924

32 Claims. (Cl. 252—1)

16. A dielectric liquid for electrical apparatus comprising ethyl-tetrachlorbenzene, ethyl-pentachlorbenzene, chlorinated diphenyloxide and at least one of the freezing point depressors of the group consisting of isopropyl-trichlorbenzene, aryltrichlortetralin, trichlortoluene and trichlorbenzene.

2,139,948

DIELECTRIC LIQUID FOR ELECTRICAL APPARATUS

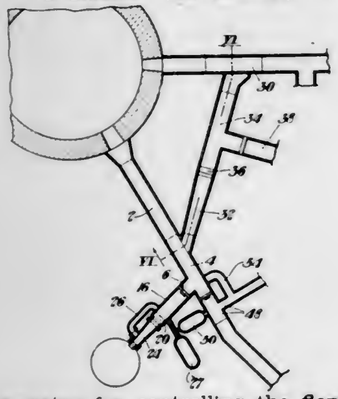
James G. Ford, Forest Hills, and Charles F. Hill, Edgewood, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application March 30, 1937, Serial No. 133,925

30 Claims. (Cl. 252—1)

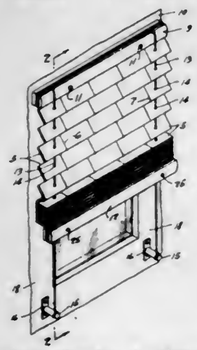
10. A dielectric liquid for electrical apparatus comprising ethyl-tetrachlorbenzene, ethyl-pentachlorbenzene, chlorinated diphenyl and at least one of the group of freezing point depressors consisting of isopropyl-trichlorbenzene, aryl-trichlortetralin, trichlortoluene and trichlorbenzene.

2,139,949
APPARATUS FOR HANDLING MOLTEN SLAG
John W. Forsythe, Wilkinsburg, and William Stewart, North Braddock, Pa.
Application December 5, 1936, Serial No. 114,462
5 Claims. (Cl. 266—38)



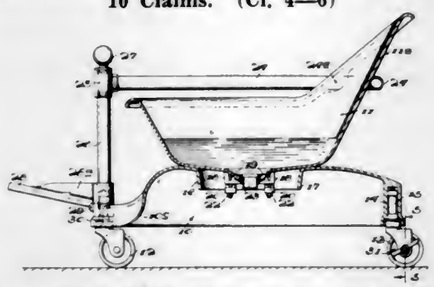
1. Apparatus for controlling the flow of hot slag from a blast-furnace, said apparatus comprising a main settling basin, a slag runner extending between said blast-furnace and said main settling basin, a stationary dam-plate having an orifice therein secured across an outlet of said main settling basin, a stopper adapted to close said orifice, an auxiliary basin connected to the rear of said stationary dam-plate and provided with an inner downwardly sloping bottom surface, a flow-retarding member integral with said bottom surface, means adapted to receive the overflow from said member and conduct it to a processing machine, a vertically movable dam secured across a second outlet of said main settling basin, a ladle runner connected to the rear of said movable dam and a catch-basin connected to said ladle runner and a second catch basin connected to the lowest portion of said auxiliary basin.

2,139,950
WINDOW SHADE
William B. Galley, Eagle Rock, Calif.
Application October 21, 1935, Serial No. 45,923
6 Claims. (Cl. 156—16)



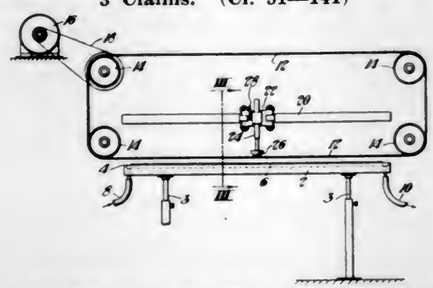
1. In a window shade, a plurality of splints having their longitudinal edges hinged together to form an accordion plait, each of said splints having a hole therein, a guide secured perpendicularly to the longitudinal axis of one of said splints extending through holes in the other of said splints, and clamping means secured to one of said splints to frictionally engage said guide.

2,139,951
PORTABLE SITZ BATH
Cecil D. Gaston and William D. Moore, Birmingham, Ala.
Application November 2, 1937, Serial No. 172,422
10 Claims. (Cl. 4—6)



1. A portable sitz bath comprising a wheeled support having an aperture in its upper, central portion; a tub or basin of proper shape and size to receive the buttocks and thighs of a patient and removably mounted on the support above the aperture; means adjacent the edges of said aperture to clamp the tub to the support; a framework secured to and extending above the support and surrounding said tub so as to provide convenient hand holds and arm rests for the patient.

2,139,952
APPARATUS FOR GRINDING METALLIC ARTICLES
Henry H. Giles, Lincoln Place, Pa.; Dora Thompson Giles executrix of said Henry H. Giles, deceased
Application August 26, 1936, Serial No. 98,022
3 Claims. (Cl. 51—141)

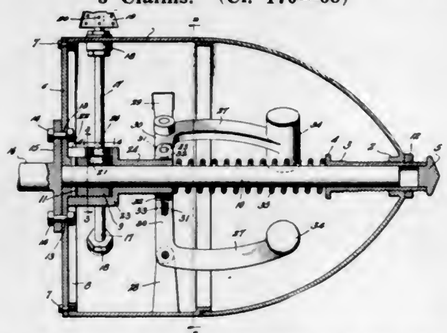


1. Apparatus for grinding small selected areas of thin flat metal sheets including, in combination, means for supporting the sheet to be ground, means for exerting a localized grinding action on said selected areas of a sheet, liquid retaining means between said supporting means and said sheet, said liquid retaining means contacting substantially the entire bottom surface of said sheet.

2,139,953
HYDRATION OF OLEFINES
Henri Martin Guinot, Niort, Deux-Sevres, France, assignor to Usines de Melle, Melle, France, a corporation of France
No Drawing. Application February 26, 1936, Serial No. 65,916. In France March 22, 1935
In France March 22, 1935
7 Claims. (Cl. 260—641)

1. In a process for producing aliphatic alcohols by simultaneous absorption and hydration of the corresponding olefines in an acid absorption agent, the step of separating the alcohol from said absorption agent by extraction with an organic solvent selected from a group consisting of phenols, cresols, their homologues, their ethers and their phosphates.

2,139,954
WIND WHEEL
Reuben K. Hartley, Hamilton, Mo.
Application July 23, 1937, Serial No. 155,305
3 Claims. (Cl. 170—68)



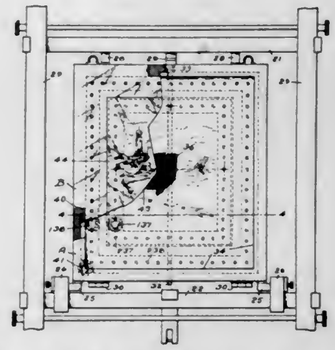
1. In a wind-wheel, a hollow body adapted to have its rear end secured to a rotatable shaft, a rod extending longitudinally through the body axially thereof, a bearing for the front end of said rod carried by said body and adjustable longitudinally of the rod, blade-carrying shafts journaled through walls of the body and extending radially of the body, blades carried by said blade-carrying shafts, pinions carried by inner end portions of the blade-carrying shafts, a member carried by said rod and slidable longitudinally thereof and provided with racks engaging the pinions, a spring about said rod between the bearing and said member, said spring being tensioned by said bearing and yieldably resisting forward movement of said member, and governor arms mounted in said body and engaged with said member and adapted to be actuated by centrifugal force to shift the member longitudinally upon said rod and impart rotary motion to the blade-carrying shafts to dispose the blades carried by the blade-carrying shafts in predetermined angular relation to a current of air moving longitudinally of the body.

2,139,955
COLORED GLASS COATED REFRACTORY GRANULES
Carl E. Hillers, Charlottesville, and Horatio L. Small, Esmont, Va., assignors to Blue Ridge Slate Corporation, Charlottesville, Va., a corporation of Virginia
No Drawing. Application March 17, 1937, Serial No. 131,373
7 Claims. (Cl. 91—70)

4. As a new article of manufacture, refractory mineral roofing granules having a non-blooming, colored coating consisting of the fusion product of aqueous sodium silicate solution, a dry insoluble form of lead, dry finely ground barium carbonate, dry powdered borax and coloring agent.

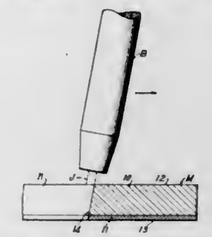
2,139,956
METHOD AND MEANS FOR MAKING PHOTOGRAPHIC EXPOSURES
William C. Huebner, New York, N. Y.
Application October 29, 1936, Serial No. 108,238
4 Claims. (Cl. 95—36)

1. In a device of the character described, the combination with a holder having a flexible backing wall; of a rigid screen on said holder and air sealed with respect to said flexible backing wall; a sensitized element interposed between said screen and backing wall; means for exhausting air from between said sensitized element



and backing wall and additional means for exhausting air from between said backing wall and screen, said two exhausting means being independently controllable and operable.

2,139,957
METHOD OF CUTTING COMPOSITE METAL BODIES
Harry V. Inskeep, Fanwood, N. J., assignor to The Linde Air Products Company, a corporation of Ohio
Application July 22, 1937, Serial No. 155,045
7 Claims. (Cl. 148—9)

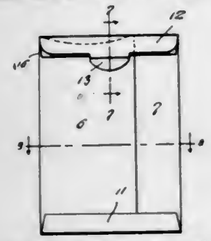


1. A method of flame cutting a composite metal plate consisting of a sheet of oxidation-resistant metal integrally united to one face of a plate of readily oxidizable metal, such method comprising simultaneously applying a localized high-temperature heating medium and a jet of oxidizing gas against the other or exposed face of said plate of oxidizable metal; and effecting relative motion between said composite plate and said heating medium and jet while maintaining said jet inclined in the direction of cutting and slightly forwardly from a perpendicular to said plate at the point of impingement of said jet.

2,139,958
ENVELOPE
Frank L. Jarvis, Chicago, Ill.
Application May 15, 1937, Serial No. 142,871
9 Claims. (Cl. 229—84)

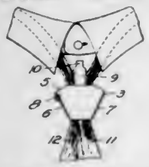
7. An envelope comprising a pair of compartments, a pair of flaps extending from one end of the envelope, said flaps being adapted to fold one upon the other and upon the body portion of the envelope and when so folded each of said flaps being adapted to close one of said compartments, sealing means upon one of said flaps for sealing one of said compartments, and means upon the

other of said flaps for releasably engaging the same with the first-named flap for alternately



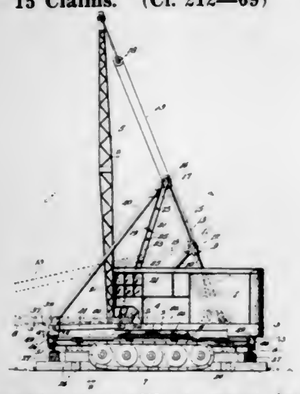
opening or closing the other of said compartments without affecting said sealing means.

2,139,959
NECKWEAR
Melvin R. Knoyle, Butte, Mont.
Application July 29, 1936, Serial No. 93,262
1 Claim. (Cl. 2—150)



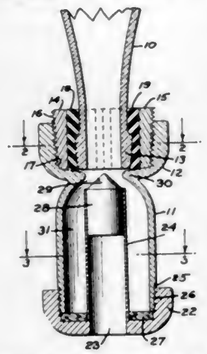
A knot simulating holder for a four-in-hand necktie, and comprising a flat body covered with suitable material and shaped for disposal about looped portions of the tie to assume a substantially conical formation to simulate a knot, fastening means for securing the body about the looped portions, and a flap secured to the inner face of the front portion of the body at its upper end and extending upwardly, then inwardly between the looped portions and then downwardly within the conical body for disposal between the rear portion of the latter and said looped portions for cooperation with the fastening means for holding the body on the looped portions against displacement.

2,139,960
CRANE
Roy D. Kauffman, Washington, D. C.
Application August 11, 1937, Serial No. 158,604
15 Claims. (Cl. 212—69)



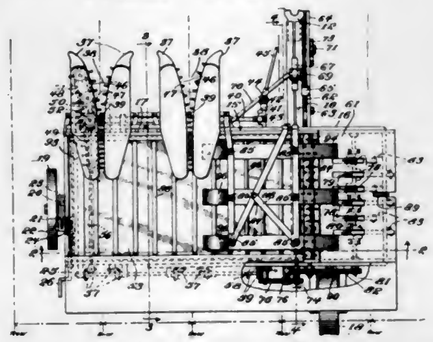
1. In combination with a crane including a carriage and a cab mounted to swing about a vertical axis over the carriage and carrying a mast and a boom, demountable means for preventing tilting of the crane comprising an annular structure surrounding the carriage in spaced relation thereto and adapted to be supported upon the ground, and a bracing structure carried by and extending outwardly from the cab and traveling with the cab while bearing upon the annular structure as the cab is turned about its axis.

2,139,961
SEDIMENT REMOVER
Peter Kleid, San Francisco, Calif.
Application April 24, 1937, Serial No. 138,774
4 Claims. (Cl. 210—57)



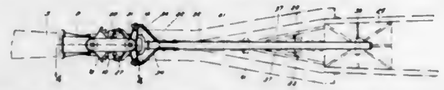
1. A device for attachment to a container having an orifice, comprising a second container having an orifice and means to connect said orifices together, said second-mentioned container having an opening in line with said orifice thereof, and a sealing member in said opening adapted to be moved into and to seal said first-mentioned orifice.

2,139,962
CORN HARVESTER
Wilfred T. Knudson, Montrose, S. Dak.
Application March 2, 1936, Serial No. 66,742
2 Claims. (Cl. 56—312)



1. A machine of the character described, comprising a draft frame, a supporting wheel journaled at the rear end of said frame, a hitch at the forward end thereof, a body frame, a supporting wheel at one end of the body frame, means for raising and lowering the frames with relation to each other, means for tilting the body frame, pairs of spaced gathering points on the body frame and forming throats therebetween, gathering means working within said throats, a transporting conveyor on said body frame and having an elevator run, a bundling platform on the body frame next to said elevator run, packing arms movably working through said platform, tensioned guides overhanging the elevator run, cutters movable transversely of the throats between said points, a shiftable brace between said frames, a draft unit connected with the hitch of the draft frame and having driving connections with the cutters, conveyor and packer arms, a bundle trip on said platform for coacting with the packer arms, supports on said body frame and having yieldable hanger connections with the guides, and a toothed feed roller between the elevator run and the said platform for delivering cut material upon the latter from said run, the upper portion of the gathering means being inclined toward the conveyor.

2,139,963
FLEXIBLE POWER TRANSMISSION DRIVE
James Crothers Leonard Leason, Gardenvale, Victoria, Australia, assignor to H. V. McKay Massey Harris Proprietary Limited, Sunshine, Victoria, Australia, a corporation of Victoria, Australia
Application November 26, 1937, Serial No. 176,748
In Australia December 8, 1936
16 Claims. (Cl. 64—21)



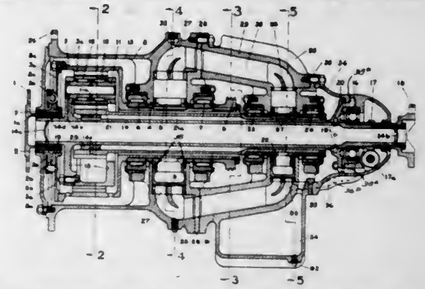
1. In a flexible power transmission drive having a drive shaft and a driven shaft connected by a double universal coupling, a pivoted member rotatively supporting the medial part of the double universal coupling, a fixed toothed sector having its centre located in alignment with one of the joints of the double universal coupling, a second toothed sector meshing with the fixed sector and pivotally mounted on the support for the medial part of the coupling, and a constraining member connected to the second sector.

2,139,964
DIELECTRIC LIQUIDS
Arthur A. Levine and Oliver W. Cass, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 5, 1935, Serial No. 53,099
13 Claims. (Cl. 252—1)

4. The method of insulating elements in electrical equipment which comprises interposing therebetween a dielectric material which comprises nucleus chlorinated ethylbenzene containing at least 3 atoms of chlorine per molecule of ethylbenzene in amounts sufficient to impart dielectric properties thereto.

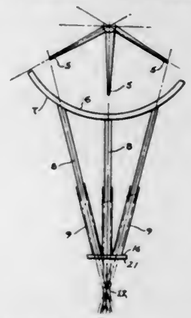
2,139,965
HYDRAULIC TRANSMISSION SYSTEM
Olof Ljungstrom, Detroit, Mich., assignor, by mesne assignments, to The Power Transmission Company, Incorporated, a corporation of Delaware
Application August 14, 1935, Serial No. 36,206
34 Claims. (Cl. 60—53)

1. In combination, a variable speed power shaft, a driven shaft, differential gearing connecting said shafts, a convertible fluid pump connected with the floating member of said gearing, and means responsive to increasing speed of said power shaft for imposing an increasing load on said pump to decrease its speed and stop



the rotation thereof and for thereafter driving said pump as a motor in the opposite direction.

2,139,966
X-RAY APPARATUS
Maurice A. Loebell, Zanesville, Ohio
Application March 25, 1935, Serial No. 12,933
14 Claims. (Cl. 250—94)

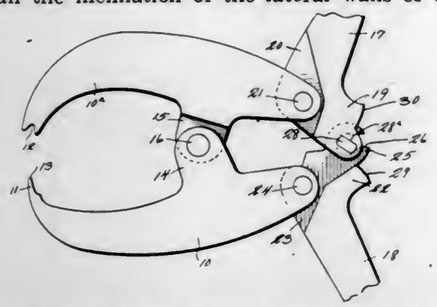


1. An X-ray apparatus comprising a closed envelope or casing, a series of independent sources of rays arranged within said envelope concentrically about a common axis and in a common plane, means for supporting the ray emitting targets in position to converge the paths of emitted rays at a point co-axial with the central point about which the ray emitting sources are concentrically arranged to produce an area of rays of comparatively high intensity, said point of convergence being outside of the tube and at a predetermined distance from the sources of the rays, whereby the paths of the rays from the targets to the point of convergence will all be at a predetermined degree of inclination with respect to an axial line passing through the point of convergence and the central point about which the ray emitting sources are concentrically arranged, and means for adjustably changing the direction of the rays to cause them to converge at different distances from the envelope.

2,139,967
EMASCULATOME
Hugh W. McCall, Grand Island, Nebr.
Application May 20, 1937, Serial No. 143,796
4 Claims. (Cl. 128—306)

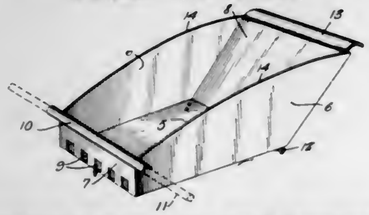
4. An emasculatome having opposed jaws, one of the jaws having a relatively sharp-edged blade extending transversely to the plane of movement of the jaw and the other having a groove extending transversely of the plane of movement of the jaw to receive the said blade, the groove being relatively deep and having inwardly and medially

inclined side walls and the blade having laterally beveled side walls and a rounded edge, the inclination of the beveled faces of the blade being less than the inclination of the lateral walls of the



groove whereby after severing of the seminal cord the broken ends of the cord will be squeezed between the blade and the walls of the groove to thereby prevent bleeding.

2,139,968
CLOTHES DRAINER
Gordon L. McLachlan, Hazel, S. Dak.
Application November 23, 1936, Serial No. 112,417
1 Claim. (Cl. 68—237)

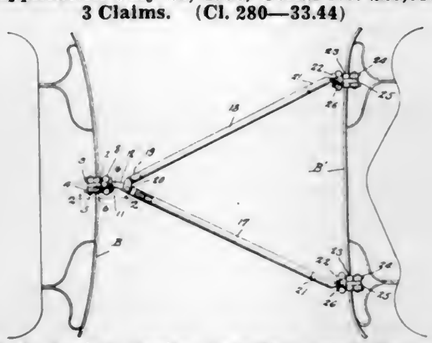


A clothes drainer of the kind described comprising a body formed with an inclined bottom, vertical side walls, a relatively shallow end wall joined with the side walls and rising vertically from the bottom at substantially right angles to its plane and a comparatively deep inclined opposite end wall, respectively, the side walls at their upper edges being upwardly arched and lying flush at opposite ends thereof with the said end walls, the incline of the inclined end wall being at an acute angle to the inclined bottom and sloping in the same direction thereof, said shallow end wall having a transverse row of spaced openings meeting the bottom, an upwardly, outwardly and downwardly curled top flange on the shallow end wall and of a length greater than the width of said body for the extending of said flange laterally beyond opposite sides of said body, an upwardly, outwardly and downwardly curled extension at the top of the said inclined end wall and coextensive with the width of the latter, and hook-like feet fixed exteriorly of the body at the bottom thereof adjacent to the inclined end wall and arranged in convergent relation to each other in the direction of the shallow end wall.

2,139,969
PROCESS FOR CONVERTING GASEOUS HYDROCARBONS INTO LIQUID HYDROCARBONS
Eugene C. Mills, Berkeley, Calif.
No Drawing. Application February 12, 1937, Serial No. 125,447
6 Claims. (Cl. 204—31)

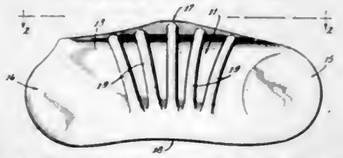
1. The process of converting gaseous hydrocarbons into liquid hydrocarbons which comprises subjecting the gaseous hydrocarbons to the action of a high frequency magnetic field in the presence of solid carbonaceous material and a catalyst of the class consisting of cuprous chloride, ferrous chloride and nickel chloride, at an elevated temperature, the high frequency magnetic field in conjunction with the catalyst at the elevated temperature causing the reaction to take place.

2,139,970
TOWING DEVICE
Ralph E. Moore, Hattiesburg, Miss.
Application July 22, 1938, Serial No. 220,753
3 Claims. (Cl. 280—33.44)



1. A towing device including pivotally connected bars mounted to swing together, a stationary jaw at each end of one of the bars, each jaw having a ball and socket connection with the bar, a stationary jaw at the free end of the other bar and having a ball and socket connection therewith, a jaw hingedly connected to each of the stationary jaws and cooperating therewith to receive a bumper therebetween, and cooperating means on each stationary jaw and each hinged jaw connected thereto for binding said jaws upon an interposed bumper.

2,139,971
ARCH SUPPORT
Jack R. Pava, Los Angeles, Calif.
Application January 29, 1938, Serial No. 187,687
5 Claims. (Cl. 36—71)

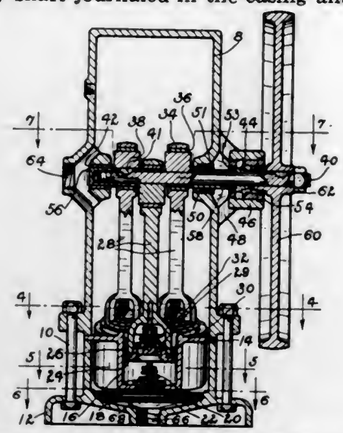


1. An arch support comprising a main cushioning body shaped to fit within the shoe and shaped to have its upper surface conform to the natural curvature of the arches of the foot, said main cushioning body having ridges on its under surface in the central region thereof extending partially across said main body, the ends of said ridges being spaced from the outside edge of said main body, said ridges being substantially radially disposed with relation to a point beyond the outside edge of the main body.

2,139,972
INVERTED PISTON PUMP
Christian Rokkjar, Sedro Woolley, Wash.
Application June 23, 1937, Serial No. 149,967
3 Claims. (Cl. 103—182)

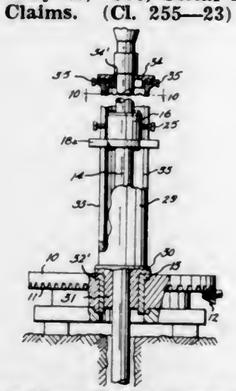
1. In a liquid pump, the combination with an upper casing, a base, an intermediate partition

having an integral annular series of open-top ported cylinders projecting on diagonal lines, exterior tie bolts connecting said base and casing and spring-pressed valves in said cylinders, of a rotary shaft journaled in the casing and a series



of stems eccentrically mounted thereon, said stems each having a hollow head and a ported piston mounted in said head a spring-closed valve for each piston, and said pistons being oscillatable and reciprocable in the cylinders.

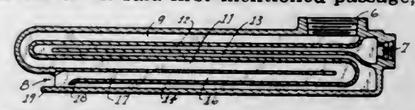
2,139,973
DRIVE HEAD
John J. Russell, Monahans, Tex.
Application July 23, 1936, Serial No. 92,210
3 Claims. (Cl. 255—23)



1. A drive head including, a housing having an element to be rotated extending therethrough and adapted to be movable vertically with relation to a rotary table, said housing having retractable slips therein for engaging the element extending therethrough, the housing being mounted centrally of a laterally extending drive member, upwardly extending posts carried by the rotary table and engaging each end of the member on opposite sides thereof without positive connection therebetween whereby the housing is movable vertically as it is rotated.

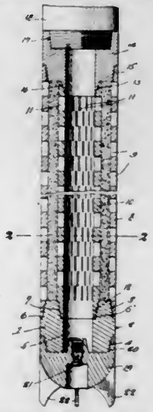
2,139,974
OIL BURNER
Hooper C. Tucker, Vallejo, Calif.
Application March 27, 1937, Serial No. 133,408
1 Claim. (Cl. 299—142)

In an oil burner, a casting, a circuitous passage formed through said casting, means for delivering oil to said passage, a second circuitous passage formed through said casting and interspacing said first-mentioned passage, whereby steam passing into said second-mentioned passage will heat the oil in said first-mentioned passage, and



a common discharge throat for both of said passages, the discharge opening from said oil passage into said throat flaring outwardly, and the discharge opening from the steam passage being constricted, said throat being located beneath a portion of said circuitous passage and to the rear of the discharge end of said casting.

2,139,975
WELL SCREEN
Almine Wesley Utt, Bakersfield, Calif.
Application April 16, 1938, Serial No. 202,539
1 Claim. (Cl. 166—5)

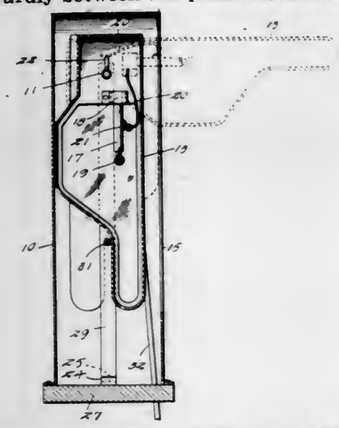


A filter liner comprising a pair of annularly spaced perforated shells, said perforations being out of vertical and radial register, upper and lower threaded assembly collars positioned on the opposite ends of said shells, a filterizing agent between said shells, said lower assembly collar being tapered at its opposite ends, the upper tapered portion being internally and externally threaded, the lower tapered portion being externally threaded, and an anchoring plug formed with a check valve and locking fins secured to the externally threaded tapered portion of the lower assembly collar.

2,139,976
TURN INDICATOR
Samuel B. Schrader, Clyde, N. Dak.
Application June 9, 1937, Serial No. 147,339
1 Claim. (Cl. 116—53)

A turn indicator for vehicles comprising a hollow standard adapted to be supported upon a vehicle, upright bracket arms disposed oppositely to each other in the standard, an axle supported by the upper ends of the bracket arms, a pair of pointers pivotally mounted at the upper ends on said axle, the pointers being in the form of transparencies each shaped to simulate a pointing hand, there being vertically disposed slots in opposite sides of the standards through which the pointers may be selectively swung to exposed signaling position to indicate an intended turn, a bar

fixed at the upper end to the axle and extending downwardly between the pointers, and a stop pin



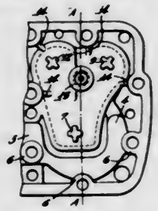
disposed transversely of the bar and against which the pointers bear when in non-signaling position concealed within the standard.

2,139,977

CYLINDER HEAD FOR INTERNAL COMBUSTION ENGINES

Alfred Schwarz, Montclair, N. J.

Application July 22, 1936, Serial No. 92,047
3 Claims. (Cl. 123—173)



3. A head for an internal combustion engine cylinder block, said head having a combustion chamber forming wall overlying the cylinder and intake and exhaust valve ports for said cylinder in said block, said wall being divided into areas of differential heat transfer capacity, the area of minimum heat transfer capacity overlying the cylinder region, the area of maximum heat transfer capacity overlying the exhaust port region, and the area of intermediate heat transfer capacity overlying the intake port area and extending a substantial distance over the center of the cylinder region, and heat conducting means disposed adjacent the centers of certain of said areas of maximum and intermediate heat transfer capacity and reinforcing said areas, whereby substantially uniform combustion wall strength and temperature during the power stroke of the engine is maintained.

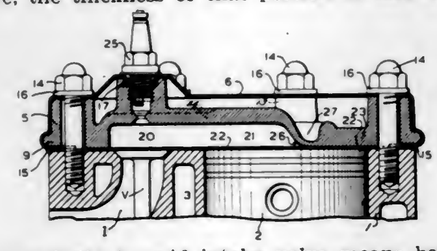
2,139,978

CYLINDER HEAD FOR INTERNAL COMBUSTION ENGINES

Alfred Schwarz, Montclair, N. J., assignor to The Economy Engineering Corporation, New York, N. Y., a corporation of Delaware

Application December 21, 1934, Serial No. 758,596
Renewed March 12, 1938
8 Claims. (Cl. 123—173)

1. An internal combustion engine having a head with water cooled walls defining a combustion chamber in proximity to intake valve means which normally tends to maintain the adjacent wall at a relatively low temperature, and exhaust valve means which normally tends to maintain the adjacent wall at a relatively high temperature, the thickness of that portion of said wall



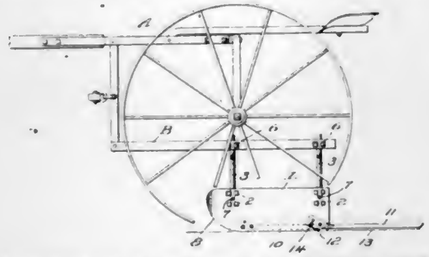
in proximity to said intake valve means being relatively thick and the thickness of that portion of said wall in proximity to said exhaust valve means being relatively thin, whereby uniform combustion wall temperature during the power stroke of the engine is maintained.

2,139,979

CULTIVATOR ATTACHMENT

Thomas Sheehan and Eli W. Philips, Anadarko, Okla.

Application January 25, 1938, Serial No. 186,873
1 Claim. (Cl. 97—179)



A cultivator attachment comprising substantially rectangular body plates, shanks secured to said plates and rising therefrom, said shanks having right angle bent upper ends to provide vertical upper portions, means for adjustably securing the vertical upper portions to the beams of the cultivator, means for adjustably securing the shanks to the plates, set screws included in the last mentioned means and extending through the plates for engagement with the shanks, said plates being arranged in parallelism with each other and having curved forward ends rounded toward each other, cutting blades arranged in pairs and one pair being adjustably secured to the confronting faces of the plates adjacent the forward ends thereof and the other pair being secured to the outer faces of the plates at the rear ends thereof, said cutting blades having beveled lower edges, and bent at an angle for arrangement at an inclination with respect to the point of connection of the blades with the plates.

2,139,980

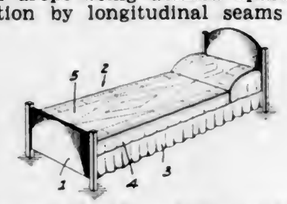
COMBINATION COMFORTER AND BEDSPREAD

Morris Simon, Los Angeles, Calif.

Application May 27, 1938, Serial No. 210,387
2 Claims. (Cl. 5—334)

1. A comforter consisting of a body portion comprising upper and lower sheets of material with stuffing or padding therebetween, said sheets

of material being extended beyond the side edges of said body portion to form drops integral therewith, said drops being defined apart from the body portion by longitudinal seams extending



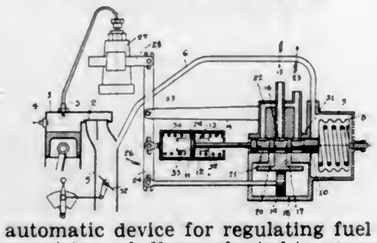
from end to end of said comforter, said drops having thinner padding than said body portion, and a valance detachably secured to said comforter along the line of juncture of said drop and said body portion.

2,139,981

AUTOMATIC DEVICE FOR REGULATING FUEL INJECTION IN AN INTERNAL COMBUSTION ENGINE

Shuichi Sugihara, Toda-Machi, Naka-ku, Nagoya, Japan, assignor to Mitsubishi Jukogyo Kabushiki Kaisha, Tokyo, Japan

Application December 16, 1936, Serial No. 116,232
In Japan January 23, 1936
1 Claim. (Cl. 123—139)



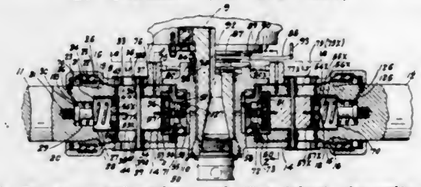
An automatic device for regulating fuel injection comprising a bellows adapted to expand and contract in response to pressure variations in the suction pipe of an internal combustion engine, a distributing valve, a servo-piston controlled by said distributing valve for regulating the fuel supply from a fuel injection pump to the engine, a spring case, said distributing valve being disposed between said bellows and said spring case, said bellows being fixed at one end and connected at its other end to one end of said distributing valve, a disc movable in said spring case and connected with the opposite end of said distributing valve, separate sets of springs located in said spring case, the springs of the respective sets being of different tension and acting against the opposite sides of said disc, and means connecting said spring case with said servo-piston.

2,139,982

PROPELLER BLADE PITCH REGULATOR

Charles L. Smith, San Diego, Calif.

Application June 24, 1936, Serial No. 87,034
17 Claims. (Cl. 170—162)



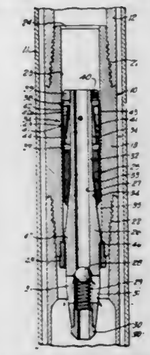
1. In a mechanism of the kind described, a hub, diametrically opposite propeller blades carried thereby, said hub having for each said blade a radial extension the axis of which coincides with the axis of a said blade mounted thereon, there being an elongated cylindrical chamber located axially within each said blade and extension, a plunger slidably fitted in a liquid-tight manner within said chamber, a spring to oppose the outward movement of said plunger within said chamber under the urge of centrifugal force, and a pin and cam slot connection between said plunger and hub extension whereby the sliding movements of said plunger under the spring opposed urge of centrifugal force adjust the pitch of said blades, there being liquid contained within one of said chambers at the inner end of the plunger in said chamber and liquid in the other of said chambers at the outer end of the plunger therein, and there being liquid conduit means between the liquid-containing portions of said chambers, whereby a change in the position of one plunger compels a like change in the position of the other.

2,139,983

BACK PRESSURE PLUG VALVE

Albert L. Stone, Palos Verdes Estates, Calif., assignor to Hydril Company, Los Angeles, Calif., a corporation of California

Application August 24, 1936, Serial No. 97,631
16 Claims. (Cl. 166—13)



1. A back pressure valve device adapted to be dropped within a well pipe, comprising a body containing a fluid passage, means adapted to engage said pipe to hold the device against upward movement therein, a pipe engaging packer, a valve closing said passage against upward fluid flow through said device, and a pilot rod depending from said body and adapted to engage a portion of said pipe to arrest downward movement of the device therein.

2,139,984

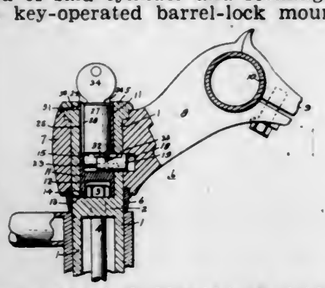
GOOSENECK BICYCLE LOCK

Albert George Southwell and Frank L. Southwell, South Tacoma, Wash.

Application July 24, 1936, Serial No. 92,410
2 Claims. (Cl. 70—233)

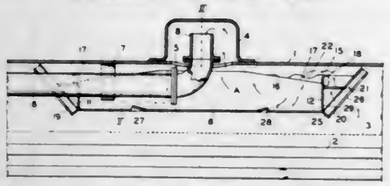
1. In a vehicle lock, the combination of a hollow cylindrical rotatable steering post forming a part of the vehicle; a steering boss rotatably mounted on the outside thereof, said boss having manually operated means thereon; a cylindrical member removably mounted within the upper end of said steering post; means to prevent the relative rotation of said cylindrical member in said steering post; a horizontal recess formed in said cylindrical member; a corresponding hole in said steering post in alinement with said recess; a corresponding cavity in said boss and normally in alinement with said recess and hole; a

lock-bolt slidably mounted in said recess and fitting said hole and cavity, whereby said boss is locked to said steering post; an axial hole in the upper end of said cylinder and forming a lock sleeve; a key-operated barrel-lock mounted in



said sleeve; means to hold said lock rigid in said sleeve; and an eccentrically revoluble pin mounted in said lock and engaging said bolt, whereby said bolt is retracted from said cavity when in locked position but is positioned in said cavity when in unlocked position.

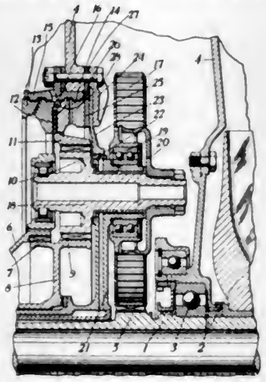
2,139,985
STEAM DRIER
Hugh L. Taff, San Luis Obispo, Calif.
Application March 29, 1937, Serial No. 133,598
2 Claims. (Cl. 122—491)



1. A steam drier for boilers having a steam dome; a dry pipe communicating with said dome; and an oblong pan of greater horizontal area than said steam dome and having a flat bottom, the central portion of the top edges of the pan being fixed to the shell of the boiler immediately adjacent said dome, the top edges of the end of said pan being flanged outwardly and spaced from said boiler shell, the top edges of the sides being also flanged outwardly and sloping downwardly from the central portion thereof to said end, and said bottom having a pair of transverse upwardly projecting louver openings therein spaced from said end, the upwardly projecting portions of said louver openings being directed toward said end.

2,139,986
CONTROL OF GEARING FOR DRIVING SUPERCHARGERS ON AIRCRAFT ENGINES
Herbert Langley Towns and Gerard Mervyn Cutler, Coventry, England, assignors to Armstrong Siddeley Motors Limited, Coventry, England
Application September 21, 1937, Serial No. 164,994
In Great Britain July 28, 1937
4 Claims. (Cl. 74—273)

1. In a two-speed planetary gearing, particularly for use in driving a supercharger of an aircraft engine, a low-speed element which can be held or released according to whether a relatively small speed increase is required or not, a high-speed element which can be held or released according to whether a relatively large speed increase is desired or not, said high-speed element being spaced axially from said low-speed element, and control means for said elements comprising two control members arranged on opposite sides of said low-speed element, one of said control members being adjacent one side of said high-speed element, a stationary member disposed adjacent the other side thereof, means interconnecting said two control members for rotation in unison, and means providing screw-threaded connections of opposite sense, respectively, between said two control members and a stationary part, whereby rotation of said two control members in one direction will cause them



jointly to effect gripping of said low-speed element while said high-speed element is released, whereas rotation in the other direction will cause them to free said low-speed element and will cause said one control member to effect gripping of said high-speed element, the pitch of the screw-threaded connection being such that rotation of said control members to grip said low-speed element is in the same direction as rotation of said low-speed element whereby the torque on said low-speed element will exert a gripping force on said control members.

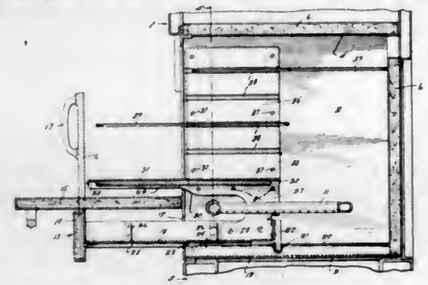
2,139,987
DYEING AND PRINTING WITH INSOLUBLE AZO DYESTUFFS
André Wahl, Enghien, and Maurice Paillard, Paris, France, assignors of two-thirds to Societe Anonyme des Matieres Colorantes Produits Chimiques de Saint-Denis, Paris, France, a company of France
No Drawing. Application December 30, 1936, Serial No. 118,408. In France January 6, 1936
11 Claims. (Cl. 8—46)

2. A method for directly producing insoluble azodyestuffs on fibre, which comprises impregnating the fibre at least locally with a 2-aminonaphthalene-1-sulphonate wherein the amino group has a substituent comprising a saturated hydrocarbon radical directly attached to said amino group and no water-solubilizing group other than the substituent in position 1 is present; then impregnating the fibre at least locally with a diazotized amino base which is free from water-solubilizing group, so as to develop the dyestuff.

2,139,988
OVEN CONSTRUCTION FOR STOVES
Anton K. Weiskittel, Baltimore, Md., assignor to Harry C. Weiskittel Co. Inc., Baltimore, Md., a corporation of Maryland
Application April 14, 1937, Serial No. 136,881
5 Claims. (Cl. 126—340)

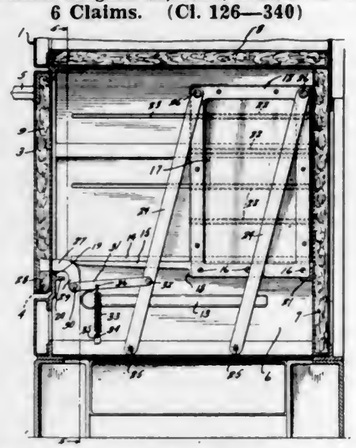
2. An oven construction comprising an oven, shelf support frames, a sliding support to which

said frames are attached, side walls affixed to the frames, the length of the side walls being substantially one-half the depth of the oven whereby the side walls are wholly within the oven at the forwardmost position of said sliding support, shelves, guide members carried by



said side walls to slidably support the shelves, arresting surfaces carried by the sliding support adapted to contact the front of the oven to prevent the sliding support from being pulled out beyond the length of the side walls and means to move the sliding support.

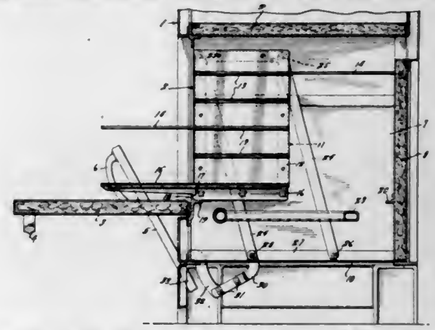
2,139,989
MOVABLE SHELF SUPPORTING STRUCTURE FOR OVENS
Anton K. Weiskittel, Baltimore, Md., assignor to Harry C. Weiskittel Co. Inc., Baltimore, Md., a corporation of Maryland
Application August 23, 1937, Serial No. 160,546
6 Claims. (Cl. 126—340)



3. In an oven construction, a shelf carrying movable support, support arms pivoted near the bottom of the oven, pivot connections near the top of the movable support for the support arms, a door, a pivot for the door, link means to move the support, and backwardly curved operating arm pivoted to the link means at one end and attached to the door at the other end, said point of pivoting of link and operating arm lying close to the pivot for the door, said support arms in their forward position lying within the oven.

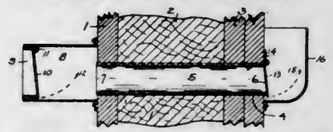
2,139,990
CONSTRUCTION FOR OVENS
Anton K. Weiskittel, Baltimore, Md., assignor to Harry C. Weiskittel Co. Inc., Baltimore, Md., a corporation of Maryland
Application August 23, 1937, Serial No. 160,547
4 Claims. (Cl. 126—339)

2. A pull out oven construction for a stove comprising a support, sliding shelves carried by the support, pivoted arms for the support enabling the support to be swung forward from its normal back position in the oven, a shaft passing through the lower end of the two front arms and causing them to move together, an operating lever adjacent the door lying flush with the front of



the stove in the normal position of the support in all positions of the support, rigid connections to the said two front arms to cause them to pivot with the movement of the operating lever, and a handle at the end of the operating lever lying adjacent the door.

2,139,991
REFRIGERATOR BREATHER TUBE
Gunnar Wingard, Tacoma, Wash.
Application March 29, 1937, Serial No. 133,596
6 Claims. (Cl. 220—14)



1. A breather tube for refrigerators, comprising a horizontal tube-piercing the wall of the refrigerator; an outward-opening valve closing the outer end of said tube; and a valve closing the inner end of said tube, and opening outward from the inside of said refrigerator whereby an increase of pressure within the refrigerator may be relieved without permitting the reentrance of outside air therethrough.

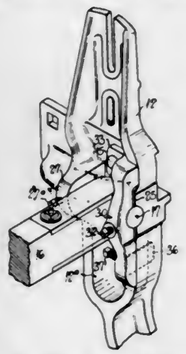
2,139,992
VULCANIZING ADHESIVE COMPOSITION
Herbert A. Winkelmann and Eugene W. Moffett, Chicago, Ill., assignors to Marbon Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application January 18, 1937, Serial No. 121,176
5 Claims. (Cl. 134—17)

1. A liquid composition suitable for coating and like purposes, comprising a solution of a rubber hydrohalide containing sulfur in intimate admixture therewith the sulphur being present in approximately 20 to 80 parts by weight per 100 parts by weight of rubber hydrohalide.

2,139,993
LOOM SWORD BEARING CLAMP
William Henry Bahan, Greenville, S. C.
Application February 8, 1937, Serial No. 124,603
1 Claim. (Cl. 308—21)

In a casting having a rib provided with a transverse hole, the outer wall of which has been broken away, a repair device for replacing the

broken away portion comprising a substantially U-shaped member having a semi-circular bearing portion adapted to fit over the broken-away part surrounding said transverse hold, and having one leg provided with a lateral projection



adapted to fit behind the casting and having a second lateral projection on its other end provided with a hole, and a bolt penetrating said hole and said casting to confine the U-shaped member on the casting in the position specified.

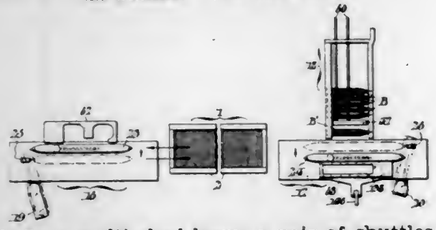
2,139,994

MULTISHED LOOM

Whitworth F. Bird, Springfield, Pa., assignor to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware

Application January 16, 1936, Serial No. 59,343

22 Claims. (Cl. 139—224)



1. In a multi-shed loom, a pair of shuttles; a multi-cell non-shifting shuttle box at each side of the loom; means for concurrently projecting the shuttles in opposite directions from the respective shuttle boxes through the superposed warp sheds formed incident to the weaving; automatic means operative after the end of each shuttle flight to elevate the shuttle in one box from one cell to another and to depress the shuttle in the other box from one cell to another so that the shuttles pass successively through the respective warp sheds always in the same directions.

2,139,995

MANUFACTURE OF RUBBER STOCKS AND OF PIGMENT COMPLEXES FOR COMPOUNDING THEREWITH

Frank G. Breyer, Wilton, Conn., and John P. Hubbell, Garden City, N. Y.

No Drawing. Application October 19, 1934, Serial No. 749,096

12 Claims. (Cl. 106—23)

12. In the compounding of rubber by vulcanizing the same in the presence of organic accelerators and pigments, dispersing within the rubber mix a composite uncalcined, activating and filling pigment containing minute particles of a chemically inert filler for rubber having a precipitated coating of a zinc compound formed by the reaction between a solution of zinc sulfate and a basic solution of a compound from the group consisting of alkali and ammonium hydroxides and carbonates, contacting the precipitated coating with a solution containing CO_3 ions and drying the product, said compound being substantially free of deleterious strong acid radical, thoroughly mixing the dispersion thus formed and vulcanizing the compound in the usual way.

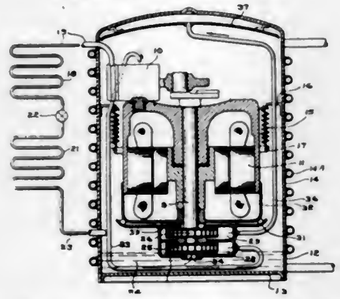
2,139,996

COOLING SYSTEM FOR COMPRESSORS

Leslie B. M. Buchanan, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 5, 1936, Serial No. 83,617

6 Claims. (Cl. 230—208)



1. In a cooling system the combination of a compressor, a motor for driving the same, a casing for housing the motor and compressor and having a sump formed therein for collecting lubricant drained by gravity from the casing, a receptacle disposed beneath the motor for collecting lubricant drained by gravity from the motor, a pump for conveying the heated lubricant in the receptacle in heat exchanging relation with the casing, and a second pump for conveying the cooled lubricant in the sump to the motor and compressor for cooling the same.

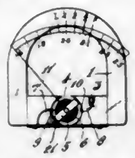
2,139,997

ELECTRICAL MEASURING INSTRUMENT

Robert William Carson, Little Falls, N. J.

Application May 1, 1937, Serial No. 140,139

5 Claims. (Cl. 171—95)



2. In an electrical measuring instrument for the purpose described, a permanent magnet having cooperative pole faces, a magnetic core member positioned on the axial center of said pole faces, a moving coil mounted for rotation about the outer periphery of said core and means disposed on the horizontal median line through the pole faces and core for abruptly increasing through a small movement of the coil, the flux through the core and coil when the plane of the coil is substantially parallel with said median line, a scale on the instrument and a pointer moved by the coil to depict on the scale the variations of the flux through the coil.

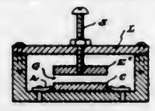
2,139,998

APPARATUS FOR MOUNTING PIEZO-ELECTRIC CRYSTALS

Herbert A. Clarke, Pennsauken, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application June 30, 1937, Serial No. 151,294

3 Claims. (Cl. 171—327)



1. In a device of the class described, an electrode surface, a piezo-electric crystal on said surface, said crystal having a nodal axis normal to its major faces, and means for limiting the range of movement of said crystal, said means comprising a plurality of retaining members normally spaced from the edges of said crystal and extending from points remote from the corners thereof in a plane normal to said nodal axis.

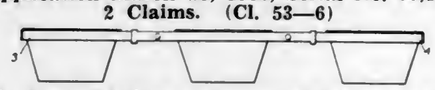
2,139,999

MULTIPLE BAKING PAN

James Cotts, St. Paul, Minn., assignor to Ashley F. Ward, Cincinnati, Ohio

Application March 23, 1936, Serial No. 70,468

2 Claims. (Cl. 53—6)



1. A set of baking pans comprising a plurality of baking pans, a jointed strapping for the set of pans consisting of sections which are secured to the sides of the pans near the top thereof and extend beyond the sides of the pans toward adjacent pans, and pivotal connections between the adjacent ends of the strap sections between the pans and stops for so limiting the movement of said pivotal connections that the jointed strapping holds the pans assembled as a set with the pans held in substantially the same horizontal plane but permits a limited vertical relative movement between the individual pans to allow each pan independently to adjust itself to an oven hearth.

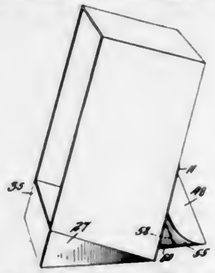
2,140,000

DISPLAY BOX EASEL COVER

John K. Darragh, Astoria, N. Y., assignor to Loose-Wiles Biscuit Company, Long Island City, N. Y., a corporation of New York

Application January 14, 1936, Serial No. 59,011

5 Claims. (Cl. 206—44)



1. A display easel box cover having relatively movable parts forming a box cover in one position and a box supporting display easel in another position, and comprising a box support section, means for supporting said section in box tilting display easel position comprising sloping cover positioning flanges on said section, a folding easel section including a back rest, a prop member therefor and a folding bottom associated with said back rest and prop for maintaining them in relatively fixed relation in the easel position of said cover, said back rest and bottom being foldable into substantial alignment with said box support section, and thereby forming, with said support section and its flanges, a box cover.

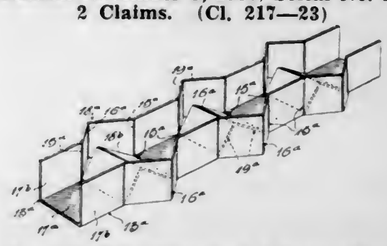
2,140,001

BOX DIVIDER

Michael Davitt, Scranton, Pa.

Application November 3, 1937, Serial No. 172,545

2 Claims. (Cl. 217—23)



1. A box divider comprising a strip-like bottom member, and two strip-like side members, the lower longitudinal edges of said side members being integrally joined to the longitudinal edges of said bottom member only at intervals, providing each member with portions integrally connected with the adjacent member, and with intervening portions free from direct connection with the adjecent member, the latter portions of the two side members being buckled laterally outwardly into substantially V-form, and the corresponding portions of the bottom member being buckled upwardly into substantially V-form, providing partitions.

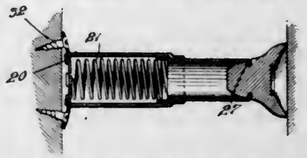
2,140,002

DOOR HOLDER

Arthur N. Dion, Attleboro, Mass.

Application December 18, 1935, Serial No. 55,090

2 Claims. (Cl. 292—70)



1. A door holder comprising a pair of telescoping members, a spring on one member to urge the other member to extended position with relation thereto, a suction cup carried at the end of one member, flange and groove means for attaching said suction cup to an end of one of said telescoping members, and a base for mounting the device on a wall surface secured to the other member.

2,140,003

MEANS AND METHOD OF PHOTOGRAPHICALLY RECORDING SOUND

Josef Engl and Joseph Massolle, Grunewald, and Hans Vogt, Berlin-Schoneberg, Germany, assignors, by mesne assignments, to American Tri-Ergon Corporation, New York, N. Y., a corporation of New York

Application April 4, 1921, Serial No. 458,631

In Germany June 2, 1919

3 Claims. (Cl. 179—100.3)

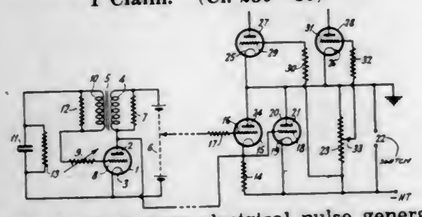
1. In an apparatus for the production of photo-

phonograms, a capillary glow light tube, a microphone circuit by which said tube is con-



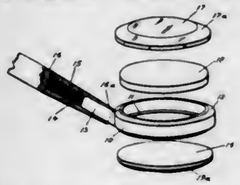
trolled, a slotted plate, a lens between the plate and tube, and a wedge-shaped light absorbing body between the plate and film.

2,140,004
ELECTRICAL OSCILLATION GENERATOR
Shirley Waldron Hugh Wolseley Falloon, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application January 13, 1937, Serial No. 120,337
In Great Britain February 3, 1936
1 Claim. (Cl. 250—36)



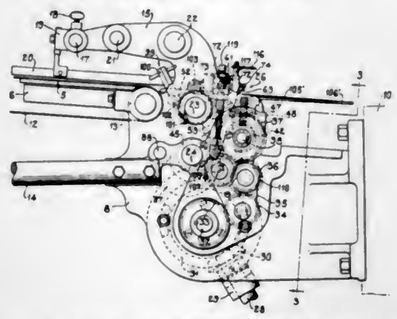
A rectangular wave electrical pulse generator comprising an electron discharge device having an anode, cathode and grid, a transformer having a primary and a secondary winding, a resistance in shunt of each of said windings, a connection from one terminal of said primary winding to said anode, and a connection including a source of potential from the other terminal of said primary to said cathode, a connection including a series resistance from one terminal of said secondary to said grid, and a connection including a series condenser from the other terminal of said secondary to said cathode, and a leak resistance in shunt with said condenser, said secondary winding being differentially coupled to said primary such that an increase in current in said primary causes the application of a voltage to said grid through said secondary of such sign as to cause grid current to flow, the value of said series resistance being such that there is produced in said anode circuit a square wave form, the constants of said series condenser and said leak resistance determining the frequency of the pulses produced by said generator.

2,140,005
DENTAL MIRROR
Harry Daniel Greenberg, New York, N. Y.
Application May 14, 1936, Serial No. 79,696
5 Claims. (Cl. 88—104)



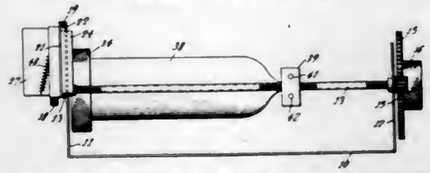
1. A dental mirror comprising in combination a handle internally threaded at one end; a mirror disc beveled circumferentially along one edge; a protective back section similarly beveled along one edge and having approximately the same diameter as said mirror disc; a split, flexible annular frame having beveled rims positioned to fit snugly against the beveled edges of said mirror disc and back section, and having a threaded shank portion attached thereto and divided into two sections to correspond with the two edges of the split frame; a resilient disc positioned between said mirror disc and back section and in direct contact therewith and having a diameter not greater than the diameter of said mirror disc and back section whereby when said shank portion is inserted into said handle the pressure will be transmitted from the beveled rim of said frame to said mirror disc and back section and compress said resilient disc so as to seal the adjacent faces of said mirror disc and back section.

2,140,006
METHOD OF AND MECHANISM FOR REGISTERING SHEETS
Edwin W. Goodwin, New Rochelle, N. Y., assignor to Dexter Folder Company, New York, N. Y., a corporation of New York
Application February 6, 1936, Serial No. 62,706
Renewed November 2, 1938
20 Claims. (Cl. 271—58)



1. In a sheet registering mechanism, means acting on a side portion of a sheet to pull it laterally of a machine into a position of side registry therewith, means acting on an opposite side portion of the sheet to grip and push it laterally of said machine toward said position, and devices for adjusting and spacing said means relatively so that the sheet is released by its pushing means as said sheet is about to be pulled into said position by said pulling means.

2,140,007
AUTOMATIC PASTE DISPENSER
Walter J. Grandman, New York, N. Y.
Application July 8, 1938, Serial No. 218,040
7 Claims. (Cl. 221—60)



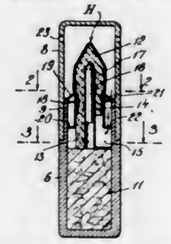
1. A device of the class described comprising a base having end walls extending at right angles therefrom, a pair of spaced-apart parallel worms rotatably mounted in said walls, a carriage bridging said worms and having a pair of mutually parallel spaced-apart rollers threadably engaging said worms, one of said walls having an opening therethrough and a sleeve rotatably mounted

in and projecting through both sides of said opening, a threaded collar integral with said sleeve on its inner end, the said axis of said opening lying in the same plane as the axes of said worms, a vertically slidable slide mounted on the outside of said wall and having a vertical slot therein in alignment with said opening, resilient means normally urging said slide to its extreme upward position, the bottom of said slot in said position of the slide registering with said opening, means partly on said worms and partly on said slide for rotating said worms upon depression of said slide, said rotation of said worms causing said roller carriage to advance toward said wall, said device being adapted to have the threaded stem of a paste tube screwed into said collar and the body of said tube secured between said rollers.

2,140,008
TANNING
Ralph E. Hall, Mount Lebanon, Pa., assignor to Hall Laboratories, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application June 18, 1936, Serial No. 85,963. Renewed February 2, 1938
8 Claims. (Cl. 149—5)

1. A process of tanning, which comprises subjecting the materials to be tanned to a tanning liquor containing an alkali-metal hexametaphosphate.

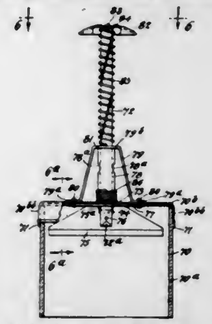
2,140,009
COSMETIC APPLICATOR
Wilfred C. Hand, New York, N. Y.
Application December 15, 1937, Serial No. 179,924
14 Claims. (Cl. 91—67.4)



1. A liquid applicator device comprising a housing, a mass of liquid absorbent material enclosed in said housing and protruding therefrom, an air vent connecting the interior of said housing with the surrounding atmosphere, and means in said housing for holding said absorbent material away from said air vent.

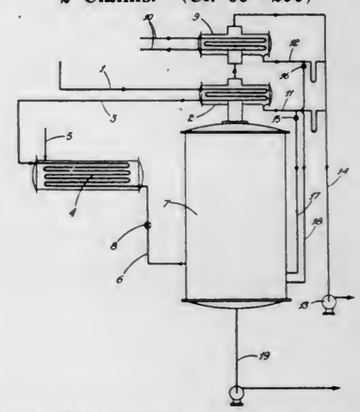
2,140,010
ONION CHOPPER
Charles Ludwig Hanel, Jackson Heights, N. Y.
Application March 10, 1938, Serial No. 195,112
12 Claims. (Cl. 30—315)

1. In a device of the class described, a body for engaging over an onion or other material to be chopped, a stem vertically slidably mounted through said body, a chopper blade mounted on the bottom end of said stem to cut the onion when the stem is moved downwards, means for urging the stem into a raised position, an element encircling said stem and turnably supported on said body and adapted to resist turning in one direction, cooperative helix elements on said element and stem for causing said element to turn in the other direction when the stem is moved downwards, a friction head mounted on said stem to engage one's hand when the stem is depressed to hold the stem from turning



and so cause said element to turn, whereby when the stem is released it will turn because said element now resists turning.

2,140,011
PROCESS FOR THE HEAT TREATMENT OF MILK
Verne Hass, Heverle-Louvain, Belgium
Application September 16, 1936, Serial No. 101,012
In Belgium December 24, 1935
2 Claims. (Cl. 99—200)

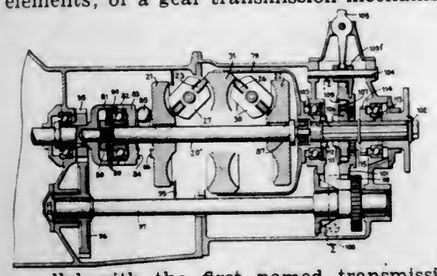


1. A one pass process for heat treating milk in sterile conditions throughout the process, which consists in heating the raw milk while in motion to a high sterilizing temperature of above 115° C. at a pressure above the atmospheric, subjecting the heated milk to a sudden drop in pressure to another pressure which is still at least equal to the atmospheric in order to allow the heated milk to expand or flash and simultaneously causing the milk to suffer a drop from said high temperature of above 115° C. to a lower sterilizing temperature so as to cause an instantaneous release of water vapor from said milk and produce sterilized concentrated milk by means of a single rise and subsequent fall of temperature and pressure, separately withdrawing the sterilized concentrated milk and the water vapor, and collecting said sterilized concentrated milk.

2,140,012
VARIABLE SPEED POWER TRANSMISSION MECHANISM
Frank A. Hayes, Middletown, N. J.
Application February 18, 1937, Serial No. 126,322
In Great Britain February 26, 1936
26 Claims. (Cl. 74—200)

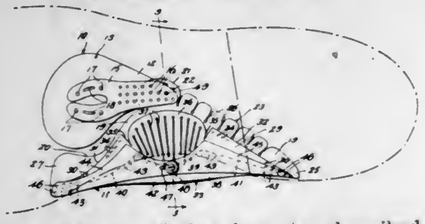
1. In a power transmission mechanism, the

combination with a variable speed power transmission mechanism of the disk and friction roller type, having driving and driven elements, a driven shaft, and means for driving the latter from the disks and rollers, the rollers being adjustable to vary the speed ratio between the driven and driving elements; of a gear transmission mechanism



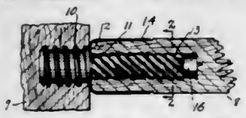
in parallel with the first named transmission mechanism; and means included in the gear transmission mechanism, to cooperate with both said mechanisms and adapted to drive the driven shaft through the gear transmission when the speed-ratio of the disk and roller transmission is approximately that of the gear transmission.

2,140,013
ARCH SUPPORT
Joseph C. Howell, Fort Lee, N. J.
Application December 4, 1936, Serial No. 114,225
8 Claims. (Cl. 36—71)



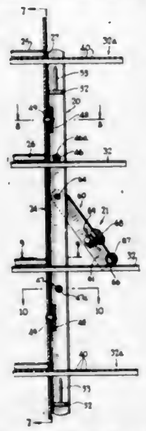
1. In a device of the character described, an arch supporting unit including a deformable metallic plate, a resilient arch plate underlying said deformable plate and connected therewith, a tension plate underlying said arch plate and connected therewith at its ends, one of said plates having an extension provided with a plurality of longitudinally and transversely spaced openings, and means adapted to engage with the sole of a shoe to selectively extend through any one of said openings for adjustably anchoring the unit to the shoe.

2,140,014
BROOM CONNECTER
Casper Iasillo, Port Chester, N. Y., assignor to Joseph Gans, doing business under firm name Empire Brush Works, Port Chester, N. Y.
Application February 12, 1938, Serial No. 190,188
8 Claims. (Cl. 306—30)



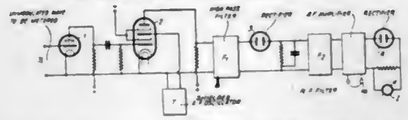
3. A broom connecter comprising a metallic cylindrical bar having a portion of large diameter extending from one end thereof with a coarse single thread formed thereon and a portion of smaller diameter extending from the opposite end of said bar beyond the middle thereof and having multiple threads of a pitch of more than double the pitch diameter formed thereon, the periphery of the outer end of said multiple threaded portion being provided with a sharp cutting edge for easily cutting threads into the wall of an aperture into which the screw may be driven.

2,140,015
WINDOW GUARD
Joseph Kaufman, New York, N. Y.
Application July 8, 1937, Serial No. 152,505
15 Claims. (Cl. 20—71)



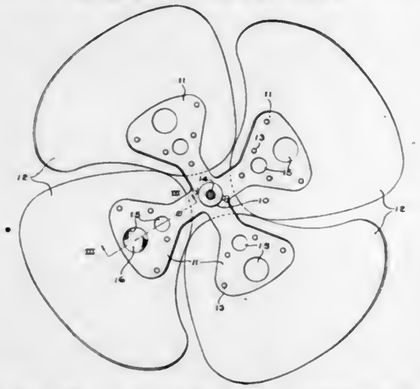
1. A window guard comprising a pair of extensible members, one of said members having a vertical bar, and the other of said members having a plurality of spaced horizontal grates connected to said vertical bar for sliding movement at right angles thereto, an elongated member connected to said bar for sliding movement longitudinally of said bar, means on said elongated member for engaging said grates in one longitudinal position of said member to prevent sliding movement of said grates relative to said vertical bar, and means for locking said elongated member in said position against sliding movement relative to said bar.

2,140,016
WAVE METER
Wolfgang Kautter, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application September 25, 1937, Serial No. 165,640
In Germany July 24, 1936
2 Claims. (Cl. 171—95)



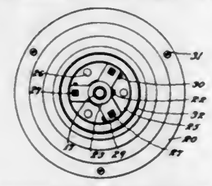
1. In an arrangement for measuring the amplitude of unmodulated radio frequency wave energy, an electron discharge tube having a plurality of control electrodes and an output electrode, means for impressing the radio frequency wave energy to be measured on a control electrode of said tube, means for impressing low frequency oscillations on a control electrode of said tube to modulate in said tube said radio frequency wave energy, a high pass filter connected to the output electrode of said tube; a linear rectifier coupled to said high pass filter to be excited by modulated wave energy passed thereby, a selective amplifier coupled with said rectifier to amplify the low frequency component derived in the output of said rectifier and rectifying and current indicating means coupled to said amplifier.

2,140,017
FAN CONSTRUCTION
Gustav H. Koch, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 15, 1938, Serial No. 219,297
5 Claims. (Cl. 230—240)



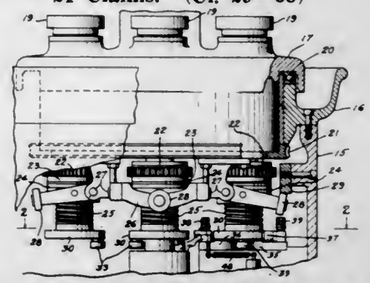
1. In a fan construction, the combination of a hub having a plurality of arms extending radially therefrom, said arms having respective openings formed therein, a plurality of fan blades secured to one side of the respective arms and covering the openings, said openings being accessible from the other side of the arms, and balancing members insertable into said openings for balancing the blade and hub assembly.

2,140,018
FUEL RESERVOIR
Gabriel Levine, West Hartford, Conn.
Application January 25, 1937, Serial No. 122,129
4 Claims. (Cl. 248—146)



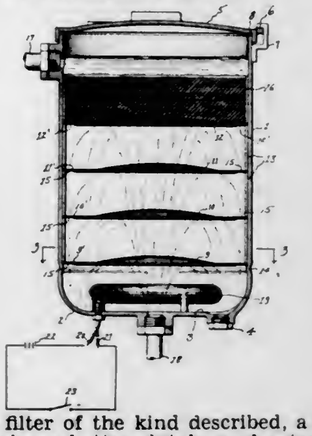
1. For a reservoir of the character described, a base of inverted dish-shape construction, a sub-base having a lateral flange mounted on said base and secured thereto, the said sub-base having a central opening and a plurality of openings radially disposed with relation thereto, a plurality of bars secured to the bottom of said reservoir; said bars comprising a central post for supporting said reservoir; the said post extending through the said central opening in said sub-base and projecting through the top of said base, a separate bar extending through each of said radially disposed openings and also extending through the top of said base for leveling said reservoir, and means for adjustably securing each of said bars in the said sub-base.

2,140,019
POSITIONING DEVICE
Arthur J. Lewis, Stratford, Conn., assignor to The Baird Machine Company, Bridgeport, Conn., a corporation of Connecticut
Application April 1, 1937, Serial No. 134,294
21 Claims. (Cl. 29—38)



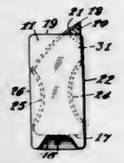
1. In a multiple spindle machine tool, a rotatable turret, a plurality of work spindles carried by the turret, means for turning the turret to bring the spindles to a loading station, means for driving the spindles, means for disconnecting the spindles from the driving means at the loading station, cam means, means carried by the spindles to engage said cam means to turn the spindle at the loading station to a given angular position about its axis, and means to shift the spindle under certain conditions to bring said means carried by the spindle into a given relation to the cam means.

2,140,020
OIL FILTER
John G. MacCormack, New York, N. Y.
Application September 12, 1936, Serial No. 100,432
2 Claims. (Cl. 210—165)



1. In a filter of the kind described, a vertical casing having a bottom intake and a top outlet, a series of vertically spaced successively operative mesh screens disposed across the interior of said casing, successive screens being respectively of smaller mesh than the next adjacent preceding screen, said screens being of concavo-convex form having their concave faces downwardly presented whereby filtered particles arrested thereby are deflected toward the sides of said casing as the liquid to be filtered is passed upwardly through the central portions of said screens, and apertured ring members around and between the screen margins and the adjacent casing walls through which said deflected filtered particles may gravitate eventually for collection at the bottom of said casing.

2,140,021
PACKAGE OPENER
Edward J. Mallen, Davenport, Iowa
Application April 27, 1937, Serial No. 139,139
2 Claims. (Cl. 30—353)



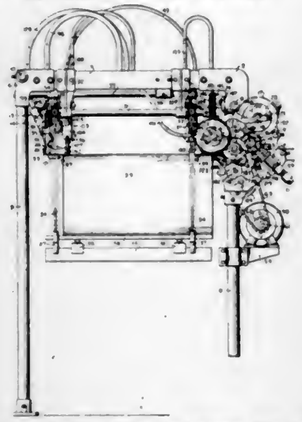
1. A cutter in the form of a flat member adapted to lie upon an internal face of a package, a blunt point at one end adapted to lie near one end of the package, a base by which the cutter is adapted to be pushed to thrust the point through the face of the package, a straight unsharpened side near the point adapted to guide the point straight ahead, a cutting edge on the end beginning near the point to cut the face of the package, and concave side cutting edges to cut the adjacent faces of the package.

2,140,022
IMITATION FLOWER
William F. Martin, Forest Hills, N. Y.
Application January 18, 1938, Serial No. 185,590
2 Claims. (Cl. 41—13)



2. An article of manufacture comprising a metal stem having its upper end threaded, an imitation flower formed of a single sheet of flat metal having a hole through the center and slitted and folded to simulate a flower, said hole being threaded and adapted to engage said threaded end of said stem, and resilient means on said stem for releasably locking said imitation flower on said stem, said means comprising a spring finger having teeth on one side, said stem having a longitudinal groove in its upper end, said finger being secured at its lower end in said groove with said teeth on the outside and in alignment with the teeth of said stem, the upper portion of said spring being adapted to be depressed into said groove, said spring finger teeth normally extending radially beyond the periphery of said stem teeth.

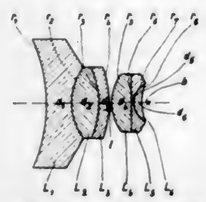
2,140,023
SHEET FEEDER
John H. McElroy and Edward J. Yeo, Pearl River, N. Y., and Frederick G. Binder, Philadelphia, Pa., assignors to Dexter Folder Company, New York, N. Y., a corporation of New York
Application June 15, 1937, Serial No. 148,380
35 Claims. (Cl. 271—31)



1. In a sheet feeder, means for separating sheets successively from a supply of sheets, means for forwarding each separated sheet from the supply, and pneumatically operated means movable into position under each separated sheet for holding the remaining sheets of the supply against movement.

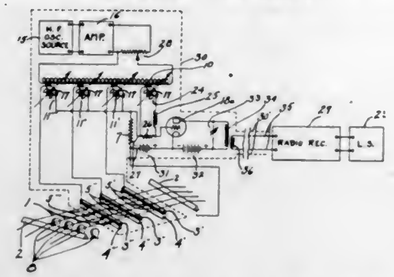
2,140,024
PHOTOGRAPHIC OBJECTIVE
Willy Merté, Jena, Germany, assignor to the firm Carl Zeiss, Jena, Germany
Application April 1, 1937, Serial No. 134,282
In Germany April 9, 1936
5 Claims. (Cl. 88—57)

		n_d	ν
$r_1 = -66.7$	$d_1 = 10.1$	$L_1 = 1.60917$	59.5
$r_2 = +25.3$	$d_2 = 10.9$	$L_2 = 1.49266$	69.7
$r_3 = -33.9$	$d_3 = 4.4$	$L_3 = 1.60917$	59.5
$r_4 = -43.3$	$l = 0.8$		
$r_5 = +20.2$	$d_4 = 8.1$	$L_4 = 1.67047$	47.2
$r_6 = +602.0$	$d_5 = 0.98$	$L_5 = 1.54753$	45.9
$r_7 = +8.74$	$d_6 = 3.3$	$L_6 = 1.46654$	65.4
$r_8 = +21.5$	$b = 3.46$		



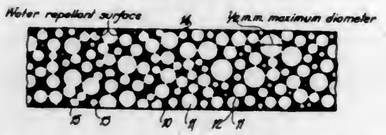
1. In a photographic objective, the combination of two menisci which are axially spaced by air and whose convex surfaces face each other, the rear of these menisci being convergent and having a focal length of at least two thirds and at most four thirds of the focal length of the objective, the numerical value of the focal length of the front meniscus lying between five times the focal length of the objective and infinity the radii of curvature of the two air-bounded refractive surfaces of the rear meniscus having a ratio approaching the magnitude 1 more nearly than does the ratio of the radii of curvature of the two air-bounded refractive surfaces of the front meniscus, the radii of curvature of the two air-bounded refractive surfaces of the rear meniscus being greater than one tenth of and smaller than half the focal length of the objective, and the axial distance apart of the front and the rear meniscus being greater than zero and smaller than the axial thickness of the front meniscus.

2,140,025
METHOD AND APPARATUS FOR THE PRODUCTION OF MUSIC
Benjamin F. Miessner, Millburn Township, N. J.
Application June 11, 1936, Serial No. 84,728
18 Claims. (Cl. 84—1)



1. In a musical instrument, the combination of a tuned vibrator; a source of high frequency electric oscillations; and a mechanico-electric translating device and means for supplying said oscillations thereto, said device being associated with said vibrator and being adapted to modulate said oscillations in accordance with the vibrations of said vibrator.

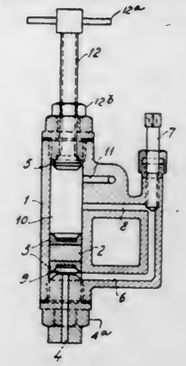
2,140,026
CELLULAR RUBBER AND METHOD OF MAKING THE SAME
Edward Arthur Murphy and Evelyn William Madge, Birmingham, England, assignors to Dunlop Rubber Company Limited, London, England, a British company
Application September 26, 1935, Serial No. 42,276
In Great Britain December 6, 1934
7 Claims. (Cl. 18—53)



1. A process for the manufacture of cellular rubber from aqueous dispersions thereof which comprises forming said aqueous dispersions into a foam having pores not exceeding about ½ a millimeter in diameter, setting and drying said foam to form a cellular rubber structure, and providing at the surfaces of said cells a water repellent material comprising solid organic compounds having a high angle of contact with respect to water.

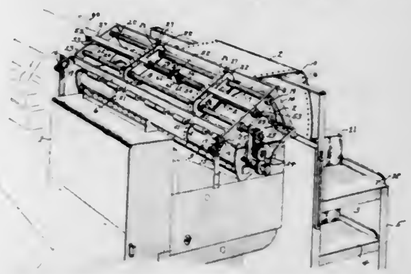
2,140,027
SAFETY DEVICE FOR HYDRAULIC BRAKES
Väinö Ilmari Myllyniemi and Vilho Sakari Mäki, Lappeenranta, Finland
Application October 10, 1936, Serial No. 104,940
In Finland September 16, 1936
3 Claims. (Cl. 303—84)

1. In a fluid operated brake system, a cylinder having an inlet conduit and an outlet conduit formed therein, and a chamber formed in said cylinder and having a portion communicating with said inlet conduit, another portion communicating with said outlet conduit and an intermediate portion, a by-pass formed in said cylinder and having an inlet communicating with the first-mentioned portion of said chamber and an outlet communicating with the second-mentioned portion of said chamber, and a sealing piston of uniform diameter freely movable within the entire chamber and maintained normally in



the intermediate portion of said chamber by the fluid flowing from the first-mentioned portion of said chamber and through said by-pass to the second-mentioned portion of said chamber, a diminution of fluid pressure occurring in said outlet conduit and a relative increase in fluid pressure occurring in said inlet conduit due to a rupture in a brakeline causing said piston to move to the second-mentioned portion of said chamber and interrupt the connection between said outlet conduit and the outlet of said by-pass.

2,140,028
MULTIPLE FORM ALIGNING DEVICE
Ellsworth J. Nichols, Newark, N. J.
Application May 22, 1936, Serial No. 81,281
9 Claims. (Cl. 197—133)



1. In a multiple continuous form aligning device for retaining the form copies of a form set in alignment while passing through a machine, an aligning unit comprising, an endless belt, spaced pulleys for supporting said endless belt driven by one of said pulleys, projecting pins provided on said belt for engaging in perforations in the form set, guides carried by said pulleys for holding the form set in engagement with the pins of a run of said belts, said guides being longitudinally slotted to accommodate movement of said pins, and means for rotating said driving pulley whereby said belt moves synchronously with the machine drive of said form set.

2,140,029

HEATING OF BORON COMPOUNDS

Erich Noack, Odenthal, and Friedrich Schubert, Leverkusen-Wiesdorf, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application September 23, 1936, Serial No. 102,254. In Germany September 27, 1935

4 Claims. (Cl. 23—149)

1. Process for avoiding the swelling up of such solid boron compounds which tend to swell when heated, which comprises heating a mixture of the boron compound which tends to swell in admixture with such an amount of a degased carbon that the single particles of the substance cannot flow together.

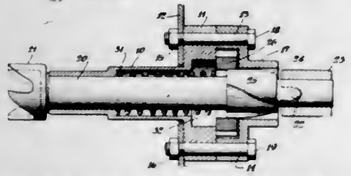
2,140,030

SAFETY HAND CRANK STARTER FOR ENGINES

Sherrod Riddell, Springfield, Ill.

Application May 28, 1937, Serial No. 145,195

1 Claim. (Cl. 123—185)



In a safety hand starter for internal combustion engines, a stub shaft, a housing member on said shaft to engage the motor crank shaft, a crank for rotating said stub shaft in clockwise direction, a boss on said stub shaft having a spiral groove in its outer periphery, and a ratchet gear having inner shoulders engaging the spiral groove on said boss, a spring wound about said stub shaft to be compressed during cranking and to expand under backfire to engage said ratchet gear and move the same outwards along said boss and during such movement rotate the same and the stub shaft slowly in the direction of cranking to prevent injury, a second, flanged and recessed housing member supplementing the first named member and bolted with the same to the engine to form a housing constituting a compact structure for the elements of the hand starter contained therein, a pawl pivoted intermediate its ends to the flange of said housing member and engaging between the teeth of said ratchet gear, and a spring within the recess of said housing member to hold said pawl in engagement with said ratchet gear to form a means to prevent backward rotation of said ratchet gear and stub shaft.

2,140,031

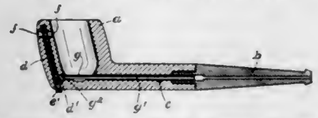
TOBACCO PIPE

George Edwin Hormbrey, Brounslow, Hooton, England

Application March 3, 1936, Serial No. 66,784

In Great Britain March 8, 1935

1 Claim. (Cl. 131—203)



A tobacco pipe in which there is provided in the usual front wall of the pipe bowl a passage housing a plug of absorbent material, said passage communicating by way of a lateral duct extending through said front wall with the interior of the bowl, and a lateral duct formed in the front wall of the pipe bowl and communicating with the atmosphere and said plug-containing passage; the arrangement being such that smoke passes directly from the bowl into the stem without passing through said absorbent plug which is maintained in a dry condition by the provision of said lateral air duct.

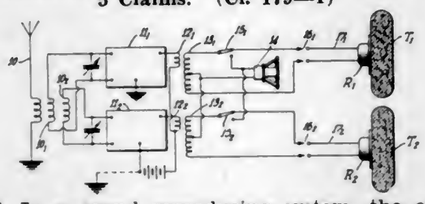
2,140,032

SOUND REPRODUCING SYSTEM

Sterling G. Sears, Garden City, N. Y., assignor to Dictograph Products Company, Inc., New York, N. Y., a corporation of Delaware

Application November 10, 1936, Serial No. 110,061

5 Claims. (Cl. 179—1)



1. In a sound reproducing system, the combination with a transmitting medium through which a person desiring to listen may receive sound and which is of a character that attenuates sound and absorbs frequencies throughout the normal hearing range in a non-uniform manner, of a primary source of electric impulses representing sounds to be reproduced, means in association with said source for amplifying said impulses to values representing sounds of a quality and amplitude adapted for normal reproduction, an extended surface adapted to be placed in sound propagating contact with said medium, a mechanical system for vibrating said surface reactively, means for driving said system actuated electrically by said amplified impulses, and means associated with said driving means for modifying the resonance characteristic thereof and accentuating the vibrating frequencies corresponding to the frequencies absorbed by said medium.

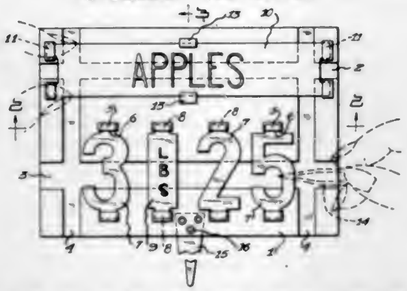
2,140,033

INTERCHANGEABLE SIGN

Robert J. Shaw and John R. Slavsky, Detroit, Mich.

Application February 14, 1938, Serial No. 190,390

3 Claims. (Cl. 40—5)



1. In a sign, a Celluloid backing member having a groove formed in its face, tabs formed on the face of said member at opposite sides of said groove and pointing towards each other, an elongated sign element adapted to cross said groove and slidably receivable between and beneath said tabs, said face being formed with another groove

angular to the first named groove and extending beyond at least one edge of said element, whereby said element may be engaged by means inserted in the last named groove, and pockets formed on said face at the ends of the first named groove and adapted to receive the ends of said element by a lengthwise movement of said element.

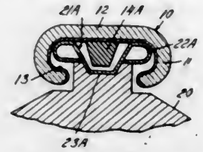
2,140,034

MULTIPART HANDRAIL FOR MOVING STAIRWAYS

Harold W. Shonnard, Montclair, N. J.

Application December 21, 1935, Serial No. 55,532

3 Claims. (Cl. 198—16)



1. A multi-part hand rail for moving stairways comprising a deformable body having a central portion and channel-shaped sides adapted to slide on guides and a deformable non-metallic driving member separably affixed to the central portion of the body, whereby said driving member may be readily removed when worn for the purpose of affixing a new driving member to said body.

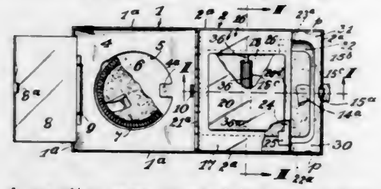
2,140,035

VANITY CASE

Theodore Sundin and Simon Morrison, New York, N. Y., assignors to Vanstyle Specialties Corporation, New York, N. Y., a corporation of New York

Application March 24, 1937, Serial No. 132,775

10 Claims. (Cl. 132—82)



1. A vanity case comprising: a powder compartment; a puff compartment beneath the powder compartment; and a roller positioned between the compartments, part of the periphery of the roller being within the powder compartment and part of the periphery of the roller being within the puff compartment, and the roller being operative to transfer powder from the powder compartment to the puff compartment.

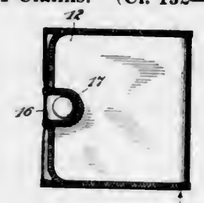
2,140,036

VANITY CASE

Simon Morrison, New York, N. Y.

Application January 20, 1938, Serial No. 185,792

11 Claims. (Cl. 132—83)



1. A vanity case comprising: an exterior case structure of flexible material; a rigid powder magazine assembly within the exterior case, the magazine assembly having a compartment for loose powder; and means flexibly attaching the magazine assembly to the exterior case, there being a puff compartment between the magazine assembly and the exterior case.

2,140,037

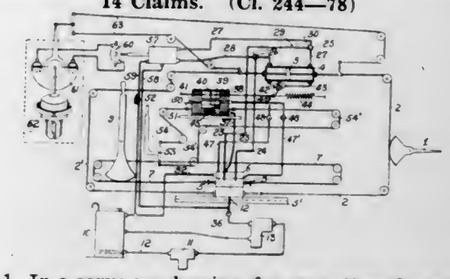
SERVO MECHANISM

Leon N. Swisher, Brooklyn, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application January 17, 1936, Serial No. 59,480

Renewed September 3, 1938

14 Claims. (Cl. 244—78)



1. In a servo mechanism for operating the control surface of an aircraft, a power cylinder having a movable piston connected to the control surface for actuating the latter, a valve and valve casing, means for supplying fluid under pressure to said valve casing and for conducting pressure fluid therefrom to said power cylinder, manually operable means for moving said valve within its casing to control the flow of fluid to said power cylinder, and means for causing said pressure fluid to exert a back pressure on said valve so that the resistance offered to the manual movement of said valve within its casing is substantially proportional to the resistance to movement offered by the control surface.

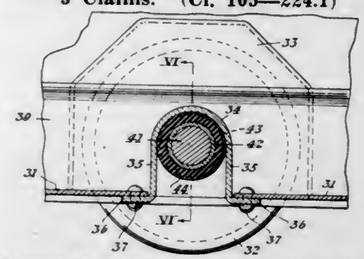
2,140,038

MINE CAR AXLE MOUNTING

Clarence E. Watts, Windber, Pa.

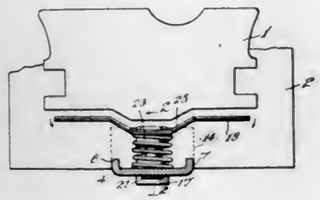
Application May 17, 1937, Serial No. 143,063

3 Claims. (Cl. 105—224.1)



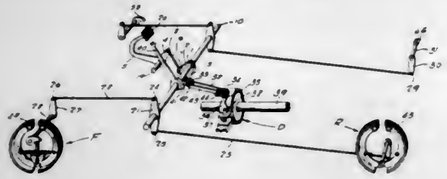
1. A mine car axle mounting comprising a substantially cylindrical sleeve for receiving the axle, an inverted U-shaped axle housing secured to the car and extending above the floor of the car, said sleeve being located within said axle housing above the floor of the car and movable vertically and horizontally relative thereto, resilient cushioning means between said sleeve and housing for cushioning both vertical and horizontal shock, said resilient cushioning means being rotatable relative to said axle housing so as to distribute wear on said cushioning means, and flanges on said sleeve for retaining said resilient cushioning means.

2,140,039
CONDENSER TEMPERATURE COMPENSATION MEANS
Melvin V. Weiss, Haddonfield, N. J., assignor to Radio Condenser Company, Camden, N. J.
Application August 10, 1937, Serial No. 158,392
7 Claims. (Cl. 175—41.5)



1. Temperature compensation means for an electrical condenser having a frame carrying stator and rotor elements; including a support carried by the frame across the bottom thereof and having a very low temperature coefficient, a plate of thermostatic metal carried by said support but spaced a short distance from said stator elements and overlying a considerable portion of the adjacent edges of the stator element, means for adjusting the position of said plate, said adjusting means being made of a material having a very low temperature coefficient, while the plate itself is capable of automatically changing the capacity of the condenser with changes in temperature.

2,140,040
BRAKING SYSTEM
Jesse M. White, Philadelphia, Pa.
Application October 24, 1936, Serial No. 107,301
1 Claim. (Cl. 188—106)



In a motor vehicle including two front wheels, two rear wheels and a drive shaft for transmitting power to the two rear wheels, a braking system comprising a brake operatively associated with each of said front and rear wheels, a brake on said drive shaft, a shaft extending transversely across the vehicle intermediate said front and rear wheels, a foot pedal constituting the service pedal of the vehicle, linkage between said foot pedal and said transversely extending shaft whereby depression of the foot pedal causes rotation of said shaft, said linkage extending between said shaft to each of the said brakes on said wheels whereby rotation of said shaft causes application of said brakes, and linkage between said shaft and the brake on the said drive shaft whereby rotation of the transversely extending shaft causes application of the brake on said drive shaft simultaneously with application of the wheel brakes, an emergency brake lever and an operating connection between said emergency brake lever and the said brake on the drive shaft, and which connection is independent of the connection between the foot pedal and the brake on the drive shaft.

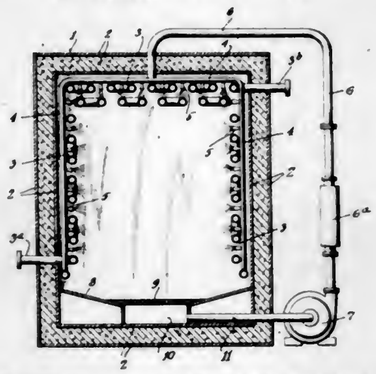
2,140,041
TANNING
John Arthur Wilson, Milwaukee, Wis., assignor to Hall Laboratories, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application May 17, 1937, Serial No. 143,120
43 Claims. (Cl. 149—5)

1. A method of tanning animal skin, which comprises treating the skin with a solution containing as its essential tanning agent a compound of the formula $(M_2O)_x.(P_2O_5)_y$, in which M is hydrogen, ammonium and/or an alkali-metal, and in which the molar ratio of M_2O to P_2O_5 is less than 2:1.

2,140,042
TANNING
John Arthur Wilson, Milwaukee, Wis., assignor to Hall Laboratories Inc., Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application June 17, 1937, Serial No. 148,757
11 Claims. (Cl. 149—5)

1. A method of tanning animal skin, which comprises pretanning the skin with a solution of a tanning agent of the formula $M_2O.P_2O_5$, in which M is hydrogen, ammonium and/or an alkali-metal, and in which the molar ratio of M_2O to P_2O_5 is less than 2:1, and thereafter retanning the skin with a solution of another tanning agent.

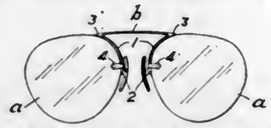
2,140,043
FREEZING WITH FRUIT JUICES
Mikail T. Zarotschenzeff, New York, N. Y., assignor to Z Pack Corporation, a corporation of Delaware
Application November 14, 1936, Serial No. 110,786
2 Claims. (Cl. 99—198)



1. A method for refrigerating edible products comprising spraying the products in their natural state with a refrigerated solution consisting of sugar and juice of said product that freezes the product without affecting adversely any of the natural properties of said product.

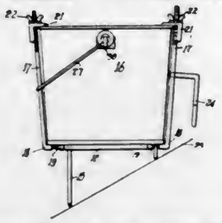
2,140,044
CENTER STRUCTURE FOR EYEGLASSES AND SPECTACLES
James Beattie, Philadelphia, Pa., assignor to Wall & Ochs, Philadelphia, Pa., a corporation of Pennsylvania
Application February 5, 1937, Serial No. 124,219
1 Claim. (Cl. 88—45)

In rimless eyeglasses or spectacles the combination of lenses and a center structure to which the lenses are attached and which lies in the plane of the lenses, said center structure consisting of a single piece of spring stock having half shoes at its ends and a bridge at its middle and extensions between the half shoes and bridge, the half shoes being in contact with the rim of the lenses below their points of attachment to the center



structure, and the points of union of the extensions and the bridge bearing in permanent sliding contact on the rim of the lenses above their points of attachment with the center structure, and the extensions being spaced from the rims of the lenses between said bearing point and the half shoes.

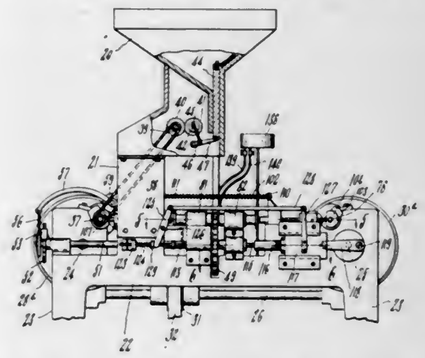
2,140,045
SUPPORT FOR PAINT BUCKETS AND THE LIKE
Ossian W. F. Bergstrom, Halesite, N. Y.
Application March 25, 1938, Serial No. 198,012
5 Claims. (Cl. 248—148)



5. A support of the class described comprising an annular member adapted to support a bucket having openings formed in opposite sides; a pair of rods, each having one end bent substantially at right angles and with a reduced shouldered portion at the extreme end; the upper ends of said rods being threaded; the reduced ends of the rods insertable in the holes in the annular member; a pair of clamping plates adapted to fit on the threaded ends of said rods and to engage over the edge of the bucket; means for tightening said clamps over the rim of said bucket; a hook, pivotally secured to one of said rods, by means of which the support may be suspended, a flat bar secured on one side of the annular member and a pair of pointed legs on the opposite side.

2,140,046
THREAD BOBBIN PRODUCING MACHINE
Camille E. Boule, East Hampton, Conn., assignor to Summit Thread Company, East Hampton, Conn., a corporation of Connecticut
Application May 16, 1936, Serial No. 80,121
9 Claims. (Cl. 112—251)

1. A bobbin making machine comprising means for supporting a bobbin core tube, means for presenting a disk in approximately axial alinement with said tube, such disk being adapted to serve as a head for the bobbin and having a polygonal central hole of which the angles lie substantially in a circumference equal to that of the bore entrance in the adjacent end of the tube, means for rendering adhesive areas of the disk contiguous to the sides of the hole on the surface next to the tube, an assembling rod guided to move lengthwise in a path substantially alined with the axis of said tube when so held, said rod having on one end a prismatic extension complemental to the hole in the bobbin head and having a cross section adjacent to said prismatic extension which is similar and approximately equal to the said bore entrance of the tube, and means for moving the assembling rod with its prismatic end foremost from a position at the opposite side of the head from the tube,



so that its prismatic extension first enters the hole and then enters the tube, centering the head with the tube, and thereafter further advancing the assembling rod so as to bend the adhesively treated segments of the head into the tube and crowd such segments outwardly into contact with the contiguous inner walls of the tube.

2,140,047
LEATHER WELT
William Brown, Quakertown, Pa., assignor to McAdoo & Allen Welting Company, Quakertown, Pa., a partnership consisting of Henry M. McAdoo, William McAdoo, Jr., and George H. Allen
Application May 24, 1938, Serial No. 209,677
5 Claims. (Cl. 36—78)



1. A leather welt consisting of a strip of grain and flesh surfaced leather folded over and secured on itself and having one edge grain side out and the other edge flesh side and feathered and slashed.

2,140,048
PRODUCTION OF POLYMERIZATION PRODUCTS
Hans Fikentscher and Claus Heuck, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Original application January 17, 1931, Serial No. 509,532. Divided and this application May 4, 1937, Serial No. 140,690. In Germany January 28, 1930
9 Claims. (Cl. 260—2)

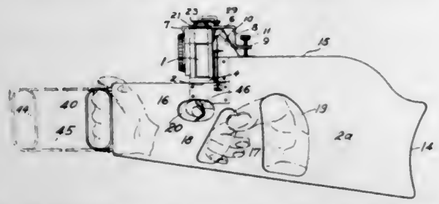
1. In the production of polymerization products and articles therefrom by polymerization of a nitrile of the group consisting of acrylic acid nitrile and its homologues, the step which comprises subjecting to polymerization an emulsion of such nitrile in a liquid in which the said nitrile is practically insoluble.

2,140,049
ROLLER WINDOW SHADE CONSTRUCTION
Edwin L. Grauel, Cincinnati, Ohio
Application March 21, 1938, Serial No. 197,205
3 Claims. (Cl. 156—10)



3. A double window shade mounted on a spring tensioned roller, said shade comprising two parallel webs having ventilating openings formed therein by flaps cut out from the webs said flaps being articulated along parallel lines to said webs, and flaps of one web being permanently and immovably joined to the corresponding flaps of the other web thereby forming vanes for directing air currents from a ventilating opening in one web to a ventilating opening in the other, the ventilating openings and flaps in that web positioned outermost as the webs pass around the roller being vertically spaced a greater distance apart than the flaps in the innermost web, the spacing of such greater distance being calculated on the formula $2t \times 3.14159$, where t is equal to the thickness of the webs.

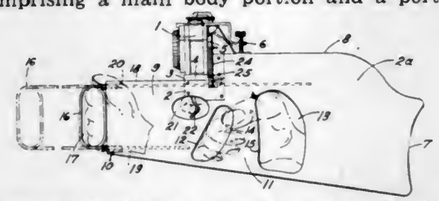
2,140,050
PHOTOGRAPHING APPARATUS
Arthur E. Hart, Cleveland, Ohio
Application July 10, 1937, Serial No. 153,039
13 Claims. (Cl. 95—31)



1. A support for a camera comprising a stock, a receptacle carried by the stock for removably receiving a camera, a clamp for rigidly securing the camera in the receptacle, and means slidable out of one end of the stock and forwardly of the camera and having positive driving connection with the camera shutter mechanism for loading the shutter.

2,140,051
CAMERA SUPPORT
Arthur E. Hart, Cleveland, Ohio
Application July 21, 1937, Serial No. 154,761
7 Claims. (Cl. 95—31)

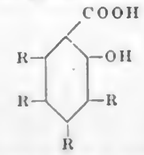
1. In a photographic device, a stock and a camera mounted on the top of said stock, said stock comprising a main body portion and a portion



extending forwardly of the camera, and a hand grip on each of said portions.

2,140,052
FUROIC ACID ESTERS OF AROMATIC ORTHOHYDROXY CARBOXYLIC ACIDS
William Hiemenz and Louis Freedman, Albany, N. Y., assignors, by mesne assignments, to The Bayer Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application May 29, 1936, Serial No. 82,522
2 Claims. (Cl. 260—345)

1. The ester of a benzene ortho-hydroxy carboxylic acid of the general formula:



in which one R represents a member of the group consisting of methyl and hydrogen and the other R's represent hydrogen, and alpha-furoic acid.

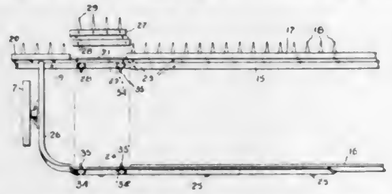
2,140,053
VEHICLE
Lawrence S. Joslin, Braintree, Mass.
Application October 9, 1934, Serial No. 747,525
7 Claims. (Cl. 268—3)



1. In a two compartment vehicle, mechanism for operating an outwardly swinging door of the compartment behind the driver's compartment comprising a pipe, a rod reciprocable therein, two longitudinally extending slots in the pipe one adjacent each end thereof, an ear carried by said rod and projecting through one of the slots in the pipe, a bar connecting said ear to the door, a plate fixed to said rod and projecting through the other slot in the pipe, a handle pivotally secured to said plate and locking means for said handle and operative only when the handle is swung into a certain position, said handle being reciprocable with said plate to cause the rod to operate the door and being movable relative to said plate into the locking position.

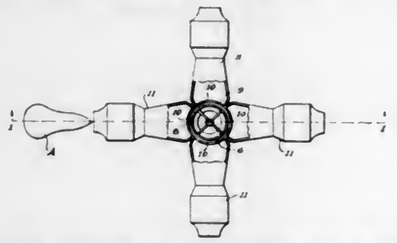
2,140,054
BINDER PLATFORM
Bert H. Lomnes, Armena, Alberta, Canada
Application March 25, 1937, Serial No. 132,889
In Canada May 11, 1936
3 Claims. (Cl. 56—181)

1. A cutting platform for a binder having a gear frame, said platform, comprising longitudinal members so detachably connected as to produce an extensile frame, said frame, including a cutting bar composed of a finger-carrying member for attachment to the gear frame, a supplemental finger-carrying member in alignment therewith and having a reduced part overlapping said finger-carrying member, means for detachably connecting said reduced part to said



finger-carrying member so as to secure said supplemental finger-carrying member in end to end relation therewith or in spaced relation thereto, an extension piece having supplemental fingers and adapted to be fitted between the finger-carrying members when in spaced relation, and fastening elements for securing said extension piece to the reduced part of said supplemental finger-carrying member.

2,140,055
METHOD AND MEANS FOR VENTILATING ENCLOSURES
Karl D. Perkins, Providence, R. I.
Application June 19, 1935, Serial No. 27,345
2 Claims. (Cl. 98—1)

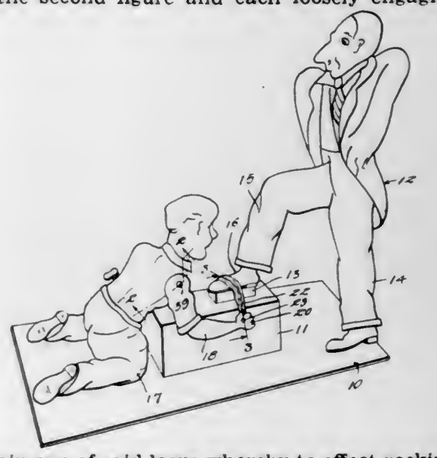


1. The method of ventilating an enclosure which comprises projecting into the atmosphere of the enclosure a streamlined, pear-shaped projectile of preconditioned air at a velocity slow enough to permit the said projectile to initially retain its identity and move forward through the atmosphere without creating any continuous current of air, and subsequently to break up and cause turbulence of the atmosphere in the region where the said projectile loses its identity.

2,140,056
FIGURE TOY
Philip Joseph Piro, New Orleans, La., assignor of one-half to Alcide J. Austin, New Orleans, La.
Application September 21, 1937, Serial No. 164,977
2 Claims. (Cl. 46—119)

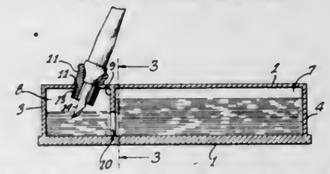
1. A toy comprising a base, a block secured to said base, a figure secured in upstanding position on said base and having a foot resting on said block, a second figure mounted on said base in substantially a kneeling position, said second figure including a pair of vertically rockable arms disposed one on each said side of said block, a flexible foot wiping member carried by said arms and engaging over said foot, a rock shaft carried by said second figure for each of said arms, an elongated loop carried by each rock shaft, said

loops being formed as integral continuations of the shafts, and motor operated crank arms within the second figure and each loosely engaging



within one of said loops whereby to effect rocking movement thereof to thereby vertically rock said arms.

2,140,057
INKSTAND
Hoy E. Rhinehalt, Paulding, Ohio
Application September 13, 1937, Serial No. 163,563
1 Claim. (Cl. 120—4)

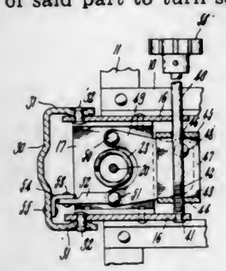


An inkstand having an opening in the upper wall of the well, one of the walls of said opening being inclined to the vertical, and a pen holding tube provided with an enlarged upper end containing a conical cavity to receive a shoulder upon a pen holder, and a reduced tubular portion communicating with said cavity and arranged to enclose the pen and support the pen and its holder a suitable distance above the level of the ink in the well, said tube provided externally with an inclined shoulder for supporting the pen at an inclination when said shoulder rests upon the upper surface of the well, and a gasket surrounding the exterior of said reduced portion of the tube for engaging the walls of the opening in the well and maintain a tight joint between said tube and well.

2,140,058
CHAIR IRON
Henry W. Sheldrick, Gardner, Mass., assignor to Collier-Keyworth Company, Gardner, Mass., a corporation of Massachusetts
Application June 9, 1936, Serial No. 84,277
6 Claims. (Cl. 155—157)

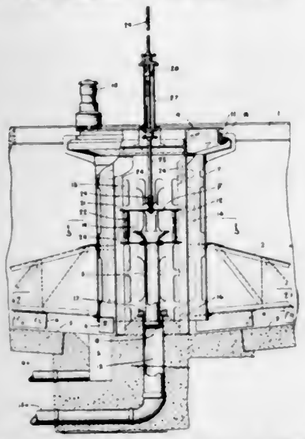
1. A chair iron comprising a support, a back member pivoted to said support on a substantially horizontal axis, and means for adjusting the angular relation between said member and support comprising a part pivoted to said support, a shaft journaled in said support substantially parallel to said axis, operative connections between said shaft and part causing turning of said shaft to rock said part, operative connec-

tions from said part to said back member causing rocking of said part to turn said member on



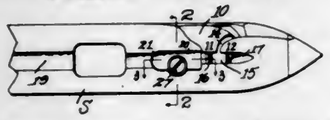
said axis, and operating means secured to said shaft.

2,140,059
DECANTING MECHANISM
Arntz Simonsen, Hartford, Conn.
Application May 12, 1936, Serial No. 79,280
28 Claims. (Cl. 210—54)



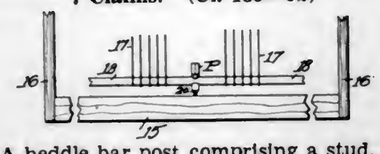
1. In a decanting mechanism, a settling tank, a longitudinally adjustable decanting tube supported therein independently of the liquid in said tank for drawing off the surface liquid, and means controlled by the liquid level in said tank for lowering said tube as said level drops.

2,140,060
LOOM SHUTTLE
Philip L. Spencer, Millbury, Mass., assignor to Watson-Williams Manufacturing Company, Millbury, Mass., a corporation of Massachusetts
Application November 22, 1937, Serial No. 175,820
3 Claims. (Cl. 139—221)



1. In a self-threading loom shuttle having a thread groove in its side surface, a threading block, a cross screw to secure said block in the shuttle body, a threading slot and a side outlet for the thread, that improvement which consists in providing a guide-plate for the thread as it is drawn from said outlet along said thread groove, said guide-plate having a rearward countersunk projection which extends into the body of the shuttle and receives the head of said cross screw below its thread-engaging surface and which provides a firm and enduring seat therefor.

2,140,061
HEDDLE BAR POST
Philip L. Spencer and Charles A. Dodge, Millbury, Mass., assignors to Watson-Williams Manufacturing Company, Millbury, Mass., a corporation of Massachusetts
Application April 27, 1938, Serial No. 204,643
7 Claims. (Cl. 139—92)

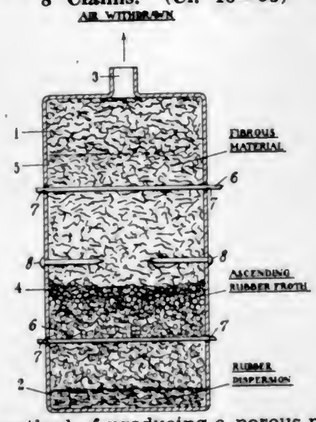


1. A heddle bar post comprising a stud, a casing extending beyond the outer end of said stud and having a portion to underly a heddle bar, a spring mounted between the outer ends of said stud and casing, and means to limit outward movement of said casing relative to said stud.

2,140,062
MANUFACTURE OF RUBBER PRODUCTS, MORE PARTICULARLY OF POROUS AND SPONGY MASSES AND ARTICLES
Josef Anton Talalay, Bedford, England
No Drawing. Application March 9, 1936, Serial No. 67,990. In Great Britain March 14, 1935
6 Claims. (Cl. 18—53)

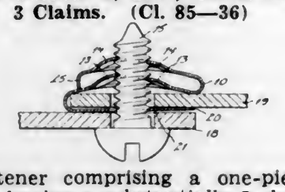
1. A method of producing sponged material of substantially uniform pore size which comprises subjecting to reduction of pressure an unfrothed aqueous dispersion of a substance having the pertinent characteristics of rubber and having the capability of being frothed under reduced pressure, and thereby causing it to expand by foaming, and then causing the said substance to set permanently in its expanded condition.

2,140,063
PROCESS FOR PRODUCING RESILIENT FIBROUS MATERIAL FOR STUFFING UPHOLSTERY
Josef Anton Talalay, Bedford, England
Application February 18, 1937, Serial No. 126,480
In Great Britain December 8, 1936
8 Claims. (Cl. 18—53)



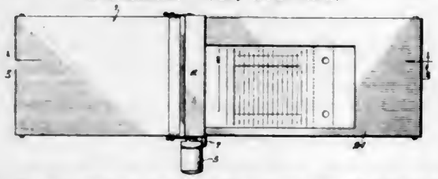
1. A method of producing a porous mass of fibrous material having fibers thereof bonded to each other which comprises causing a dispersion of a substance having the pertinent characteristics of rubber to extend itself as a foam through the interstices of a reticulated mass of fibrous material, by increase of volume of the foam, and then causing the foam to collapse while remaining extended in the said reticulated mass.

2,140,064
FASTENING DEVICE
George A. Tinnerman, Rocky River, Ohio, assignor to Albert H. Tinnerman, Cleveland, Ohio
Application October 4, 1937, Serial No. 167,307
3 Claims. (Cl. 85—36)



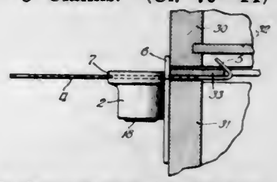
1. A fastener comprising a one-piece sheet metal strip having a substantially S-shaped formation including three arms of substantially the same length, and having a uniform thickness throughout its length, the thickness being smaller than the pitch distance of the thread on a bolt with which the fastener is intended to be used, said arms having registering bolt-receiving apertures therein intermediate the ends thereof, one of the apertures being adapted to admit a bolt without engaging the threads thereof, and the other arms having portions formed therefrom for engaging different turns of the bolt thread, said last named arms extending in the same general direction and being adapted to be moved toward the third arm during the bolt tightening operation.

2,140,065
MANIFOLDING MACHINE
Harry J. Waechter, Mount Healthy, Ohio, assignor to Paul Benninghofen and Fritz G. Diesbach, trustees, Hamilton, Ohio
Application March 3, 1937, Serial No. 128 806
3 Claims. (Cl. 271—2.4)



1. In a device for feeding one or a plurality of superposed strips of paper over a platen for appropriately disposing a form section thereof upon the platen, comprising, upper and lower rotative rolls having peripheral cooperation for feeding the strip a major degree of the length of the form section for each feeding operation, the lower roll having a segmental periphery thereby to form an intervening non-roll contacting interval, and the upper roll journaled for yielding in a direction from the lower roll and limited in a direction approaching the lower roll to free the web from upper roll contact during the non-roll contacting interval, a tooth rotative in unison with the lower feed roll and located to be effective within the non-roll contacting interval for engaging an aperture in the strip to continue strip advancement during a non-feeding cooperation of the upper and lower feed rolls for form section alignment and registration, the feed rolls in their cooperating and non-cooperating intervals effecting relative movement of the strip and the peak of the tooth, in one instance for increasing tooth degree of intermesh with the strip aperture, and alternately for an extraction thereof.

2,140,066
LOCKING DEVICE
Emanuel H. White, Chicago, Ill.
Application October 27, 1937, Serial No. 171,198
8 Claims. (Cl. 70—14)



1. In a locking device for drawers, doors, and the like, a locking bar adapted to be inserted between a drawer or door and the adjacent frame, said bar having means to engage said frame to prevent the bar from being withdrawn, a plate having its length and width of different dimensions and provided with a plurality of non-intersecting perforations to admit of its being slipped onto said bar in different positions, said perforations being located parallel to and at different distances from the long and short edges of the plate, respectively, the shape of said plate and the location of said perforations adapting the plate to use with different types of drawers or doors, and locking means adapted to be applied to said bar to prevent removal of the said plate after it is placed in position on said bar.

2,140,067
SIGN OR LICENSE PLATE
Clements Batcheller, Glens Falls, N. Y., assignor to Allegheny Ludlum Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 27, 1937, Serial No. 155,944
5 Claims. (Cl. 40—125)

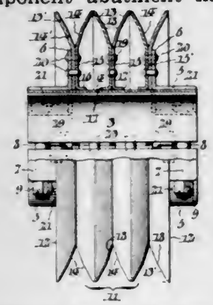


4. A device of the character described comprising a facing element of flexible, transparent material having opaque zones thereon defining characters, such as letters or numerals, a sheet of thin-gauge, flexible, corrosion-resisting steel having a lustrous, light-reflecting surface contiguous and coextensive with the back of said facing element, a substantially rigid, metal, backing element, a sheet of electrical insulating material intermediate said steel and said backing element, and a frame securing the whole together in compactly assembled relation.

2,140,068
GROOVED PULLEY
Walter A. Bilger, Philadelphia, and David M. Watson, Ardsley, Pa., assignors to The American Pulley Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 1, 1937, Serial No. 140,146
2 Claims. (Cl. 74—230.8)

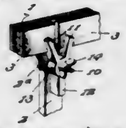
1. In a multi-groove split-pulley, the combination of substantially semi-circular sheet metal units, each such unit including abutted inner dished components having tubulate hub-engageable flanges arranged in alternately-reversed relation, substantially conformative plain web outer

components jointly forming the multi-grooves, said inner and outer component groove walls each embodying confronting annular sections of differential-inclination to define inwardly-directed belt gripping ridges, associated end components with abutment flanges between which the inner and outer groove-forming components are disposed, means rigidly securing the inner components in juxtapositioned pairs, means similarly securing the outer groove-forming components to the end component abutment flanges, a semi-



tubular member to which the components aforesaid are permanently attached, means in the angular hollows defined by the abutting peripheral portions of the alternatingly-reversed components, at one side of each unit, for engagement in the opposing hollows of the other component, mating elements forming registrable sockets proximate the peripheral edges of each outer dished component, and means engaging the sockets whereby said outer components are planarly aligned.

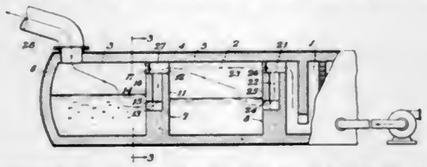
2,140,069
TRIPLICATE FOLDING HAND MIRROR
Cyrus R. Bostwick, Cato, N. Y.
Application February 5, 1936, Serial No. 62,518
Renewed June 28, 1938
1 Claim. (Cl. 88—89)



A mirror comprising a main section, auxiliary sections pivotally mounted at opposite ends of the main section for swinging movement from an extended position to a folded position in covering relation to the main section, a handle depending from the main section midway the ends thereof, said auxiliary sections having their free ends meeting in abutting relation to each other over the handle when folded, a stem projecting forwardly from the upper portion of said handle at substantially right angles to the front face of the handle, a latch rotatably mounted upon said stem and having an upper portion for engaging over lower corner portions of the auxiliary sections when folded and a lower actuating arm extending longitudinally of the handle, and a fastener for said latch threaded upon said stem.

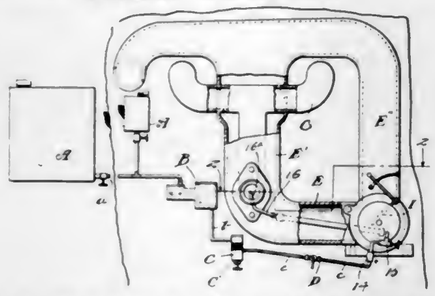
2,140,070
APPARATUS FOR CONCENTRATING SULPHURIC ACID
David W. Bransky, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application November 2, 1936, Serial No. 108,774
5 Claims. (Cl. 23—275)

5. In a plural stage acid concentrator having enclosing walls, an internal separator wall between two stages, said separator wall comprising a partition wall extending from the bottom of said concentrator to a point slightly below the top of said concentrator, leaving a passageway thereover, a damper mounted for operation in said passageway, a baffle wall spaced from said partition wall and extending from the top of said



concentrator to a point below the acid level whereby the hot gases may be made to pass from one stage over said partition wall down between said partition wall and said baffle wall, thence under the edge of said baffle wall through said acid and into the other stage, said partition wall being further characterized by the provision of a forwardly extending shelf-like portion for supporting said baffle wall.

2,140,071
VAPOR GENERATOR FOR CARBURETORS
Delphia H. Cleem, Hallock, Minn.
Application May 20, 1937, Serial No. 143,838
3 Claims. (Cl. 123—133)

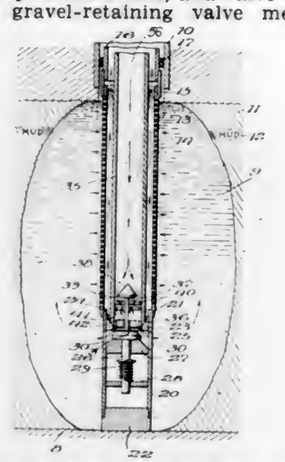


1. A vapor generator for internal combustion engines including a relatively thin-walled elongated metallic tube having an inlet pipe at one end and an outlet pipe at the other and having a metallic helix disposed within the tube, the coils of which touch the walls of the tube, the tube being adapted to be disposed within the exhaust manifold of an engine, and an internal tube disposed within the helix and uniformly perforated, the internal tube being open at its opposite ends.

2,140,072
WELL GRAVELING APPARATUS
Roy L. Chenault, Penn Township, Allegheny County, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application August 26, 1938, Serial No. 226,983
7 Claims. (Cl. 166—21)

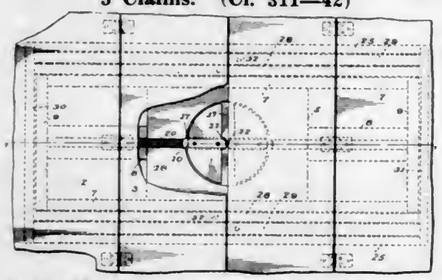
1. Apparatus adapted for application to a well having a tubular screen set at the producing level thereof, for the purpose of depositing divided material such as gravel outside of said screen, comprising in combination a sleeve connected coaxially with the screen and communicating therewith, gravel-holding means adapted to be lowered in the well to the top of the sleeve, valve means adjacent the bottom of the gravel-holding means, constructed and arranged to be normally closed

and retain the gravel, and to open on contact with the top of the sleeve, and valve means, below said gravel-retaining valve means, con-



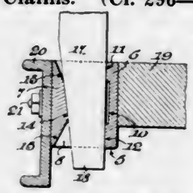
structed and arranged to distribute gravel flowing from the gravel-holding means, outside the sleeve and screen.

2,140,073
EXTENSIBLE DROP LEAF TABLE
Bert Czubinski, Grand Rapids, Mich., assignor to John Widdicomb Company, Grand Rapids, Mich., a corporation of Michigan
Application May 17, 1938, Serial No. 208,466
5 Claims. (Cl. 311—42)



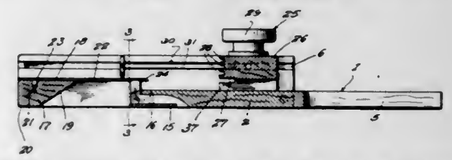
1. A table of the character described including a horizontal frame mounted on a vertical support, a freely rotatable turntable secured to said frame and separable top boards supported on said frame and slidably secured to said turntable in such a manner as to permit said top boards to be separated from each other while being still supported on said frame.

2,140,074
STAKE POCKET FOR VEHICLE BODIES
Clemens J. Ernst, Sidney, Ohio
Application August 12, 1938, Serial No. 224,590
6 Claims. (Cl. 296—43)



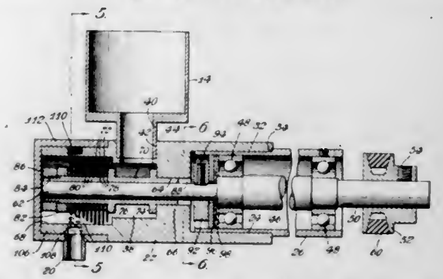
1. A stake pocket comprising a pair of side walls and a pair of end walls having their inner faces opposed in spaced relation to form therebetween an open rectangular stake-receiving well, one of the opposed side wall faces being vertically disposed and the other being downwardly and inwardly inclined, and said end wall faces being convexly shaped.

2,140,075
CUTTING UTENSIL
George M. Farabough, Rogers, Ark.
Application September 3, 1936, Serial No. 99,301
1 Claim. (Cl. 146—168)



In a cutting utensil, a body having a bottom wall formed with a handle, side flanges carried by the body, said bottom wall being cut away at the end opposite the handle and being formed with slots, cutting elements carried by the bottom wall and positioned in said slots, said cutting elements being arranged vertically in a laterally spaced series and being formed with shoulders, a locking plate carried in the cut away portion and adapted to engage the shoulders for retaining the cutting elements in place, a mounting plate carried by the body, a cutter blade carried by the mounting plate and adapted to extend within the body, said cutter blade having a cutting edge overhanging the cutting elements, a plunger carried by the body and movable longitudinally between the side flanges, said plunger having a block formed with a serrated face, said serrations being of V-shape, a guide carried by the plunger and formed with a zig zag retriever, said guide being adapted to control forward movement of the plunger in the body, and a stop rod for limiting forward movement of said guide and plunger, said plunger being movable for engaging the V-shaped serrations of the block with a vegetable to be cut and forcing said vegetable against the cutting elements and the blade whereby a cutting operation will be effected, said V-shaped serrations being effective for engaging the vegetable and preventing slipping thereof at engagement with the plunger, said V-shaped serrations permitting ready disengagement of the vegetable cuttings from the plunger face after a cutting operation.

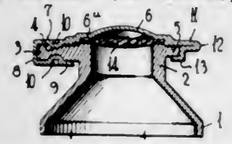
2,140,076
HOMOGENIZER
Herbert Fromm, Hamburg, Wis.
Application March 1, 1937, Serial No. 128,546
3 Claims. (Cl. 146—182)



1. In a homogenizer, a support including a

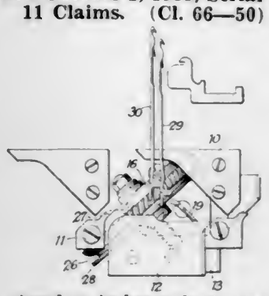
power driven shaft, a head carried by said support and including a large bore and a small bore axially aligned therewith, said head having an inlet port, said power driven shaft extending through the small bore and into the large bore, a sleeve slidable on said power driven shaft but keyed thereto for rotation therewith, said sleeve having a flange abutting said head adjacent one end of the small bore, a second flange formed on said sleeve and spaced from the first flange, a gang of blades mounted upon said sleeve adjacent the second flange, and means for clamping the gang of blades against the second flange, said inlet port communicating with the large bore between the first and second flanges, the second flange being smaller in diameter than the large bore, to permit entrance of fruit juices into the zone of the blades but having sufficient diameter to restrain fruit seeds from entrance into cutting relation with the gang of blades.

2,140,077
CLOSURE CAP FOR CONTAINERS
Eugene A. Fuchs, Atlanta, Ga.
Application April 27, 1937, Serial No. 139,275
9 Claims. (Cl. 221—60)



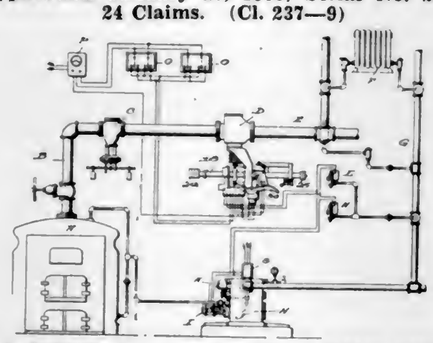
1. The combination with a container neck, of a relatively thin flat lug projecting laterally therefrom, and a closure cap of sheet material having a portion extending from one side thereof and bent back upon itself to form a U-shaped structure adapted to embrace said lug, said lug having a socket in one of its flat faces, and one of the arms of said U-shaped structure having an inwardly directed projection adapted to engage in said socket and thus constitute a pivotal connection about which said closure cap may swing transversely of said container neck.

2,140,078
MUTABLE DESIGN WHEEL FOR KNITTING MACHINES
Harry S. Horrocks and William D. Gorman, Philadelphia, Pa., assignors to H. Brinton Co., Philadelphia, Pa., a corporation of Pennsylvania
Application October 1, 1935, Serial No. 43,113
11 Claims. (Cl. 66—50)



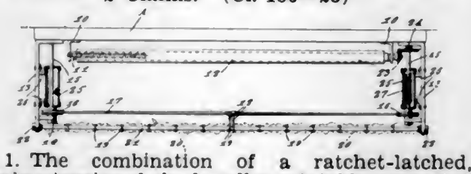
1. In a circular independent needle knitting machine, a radially slotted design wheel, said wheel having means to raise needles selectively from an idle level to tuck level, a support for said wheel, and means adapted to be inserted between said wheel and said support for cooperating with the wheel to cause all the needles to be raised selectively either to tuck level or to knitting level.

2,140,079
CONTROL MECHANISM FOR STEAM HEATING SYSTEMS
Irving C. Jennings, South Norwalk, Conn.
Application January 17, 1935, Serial No. 2,279
24 Claims. (Cl. 237—9)



1. A control mechanism for a steam heating system comprising an automatically adjustable steam pressure controlling valve means, means to automatically adjust said valve means whereby to keep the steam supply at a determined pressure sufficient to maintain the normal temperature in the area to be heated under ordinary conditions, and additional means operative to insure the opening of said valve means wider, adjacent to a limiting means of adjustment thereof, to maintain a higher steam pressure when the area to be heated becomes too cool.

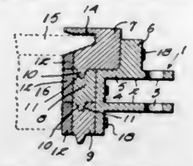
2,140,080
COMBINED CURTAIN AND SHADE
Alfred E. Johnson, Alliance, Ohio
Application July 20, 1936, Serial No. 91,607
2 Claims. (Cl. 156—23)



1. The combination of a ratchet-latched, spring-tensioned shade roller rotatably supported upon a window frame and having a pull shade adapted for winding on and unwinding from said roller, a curtain rod stationarily supported upon said window frame outwardly of the said roller, a shiftable curtain hung upon said rod, pulleys rotatably supported next to the curtain and at opposite ends of said rod, an endless cable trained over said pulleys and having connection with the curtain for the shifting of the latter on movement of said cable, and gear connections between the roller and one of said pulleys for the driving of the latter on rotation of the roller on direct hand manipulation of the shade.

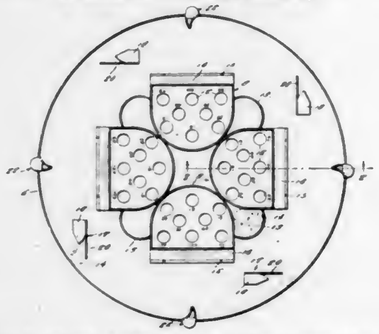
2,140,081
MULTIPIECE BRAKE SHOE
John C. Kidwell, Fairmont, and Richard A. Poland, Morgantown, W. Va.
Application October 1, 1937, Serial No. 166,896
2 Claims. (Cl. 188—240)

1. A brake shoe comprising a bracket including a seat and relatively spaced portions apertured to receive a fastener for securing the bracket on a brake rigging, brake shoe elements engageable with said seat, a pair of said shoe elements shaped to conform to the tread and the other of said shoe elements shaped to conform to the flange of a car wheel, said first defined shoe elements having grooves, projections formed on all of said



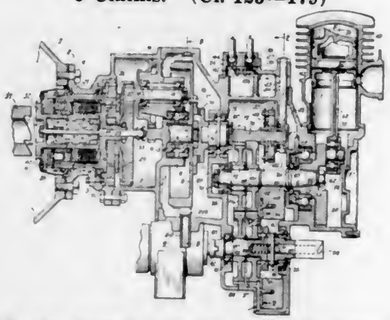
elements and the projections on said last defined element and one of the first defined elements received in said grooves, and means for detachably connecting the elements on said bracket.

2,140,082
GAME APPARATUS
Norman Klinger, Cleveland, Ohio
Application January 6, 1937, Serial No. 119,348
3 Claims. (Cl. 273—123)



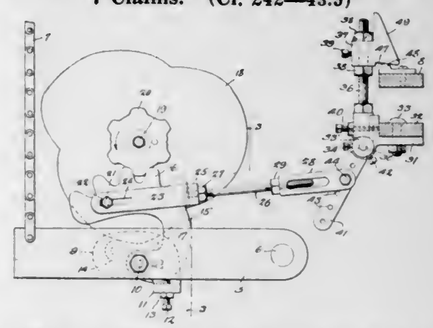
2. In a game apparatus of the class described including a surface forming member of circular shape and a rim rising from the periphery of the member, a combined ball impelling device and ball stop comprising a block attached to the surface forming member and a leaf spring having one end connected with said block, the other end of the spring when in normal position being spaced a distance from the rim to permit a ball to pass between the rim and said end but when flexed toward the rim the end of the spring will prevent a ball from passing between itself and the rim.

2,140,083
ENGINE STARTING APPARATUS
Raymond P. Lansing, Montclair, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application February 25, 1935, Serial No. 8,187
Renewed May 22, 1937
9 Claims. (Cl. 123—179)



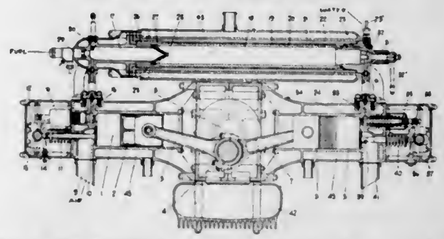
1. In an engine starter, in combination, an engine engaging member, a flywheel connected through gearing to said member, a series of vanes on said flywheel, a conduit for directing fluid toward said vanes to accelerate said flywheel to high speed, and means independent of time factors and responsive solely to the attainment of such high speed to discontinue the supply of fluid to said vanes.

2,140,084
BUNCH BUILDER AND SAFETY LATCH
Jesse Lee Lyle, Danville, Va.
Application June 23, 1937, Serial No. 149,999
7 Claims. (Cl. 242—43.5)



1. The combination with the builder arm, ring rail, bunch cam and main cam of a quill filling mechanism, of a latch member adapted to move over the ring rail restricting movement of the ring rail when the ring rail has been moved to a doffing position, a latch lever connected with the latch member, an arm having teeth engaging the bunch cam and moved by the bunch cam, a rod connecting the latch lever and arm having teeth, whereby movement of said arm operates the latch member releasing the ring rail.

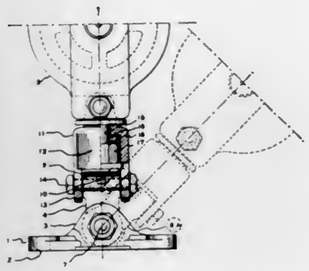
2,140,085
COMBUSTION-PRODUCTS POWER PLANT
Joseph Maina, London, England, assignor to The Williams Rotary Engines Company Limited, Auckland, New Zealand
Application December 7, 1934, Serial No. 756,382
In Great Britain November 8, 1934
1 Claim. (Cl. 60—45)



In a compression ignition combustion-product reciprocating engine, a crankshaft having at least one crank, a pair of pistons comprising one power piston and one compressor piston connected to each crank, there being as many pairs of pistons as there are cranks, a pair of horizontal opposed cylinders for each pair of pistons, the cylinder receiving the compressor piston being on one side of the crankshaft and the cylinder receiving the power piston being on the opposite side of the crankshaft, an elongated combustion-products-forming device positioned immediately adjacent said cylinders, said device

comprising a pre-combustion chamber and a coaxial elongated main combustion chamber, means for conducting a charge of hot highly compressed air from the compressor cylinder into said pre-combustion chamber, means for introducing fuel into the charge of air in said pre-combustion chamber, a nozzle, coaxial with and connecting said chambers, for leading the mixture from the pre-combustion chamber into the main combustion chamber, means formed in the wall of said main chamber for heating water to generate steam, conduits formed in the wall of the nozzle for leading the steam into the gases passing through the nozzle, and means for conveying gases formed in the pressure generator to a power cylinder, the arrangement being such that very short passages are provided for the flow of highly compressed air from the compressor cylinder to the pre-combustion chamber and for the flow of the actuating fluid from the main combustion chamber to the power cylinder.

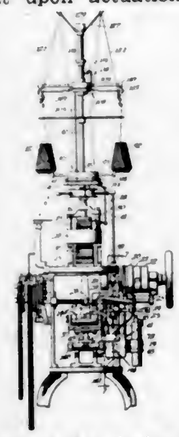
2,140,086
FLOOR BLOCK
William H. McKissick, Tulsa, Okla.
Application June 5, 1937, Serial No. 146,690
5 Claims. (Cl. 254—195)



1. A floor block comprising a base plate adapted to be secured to a derrick floor or the like, an adapter hingedly connected to the base plate for swinging movement about a horizontal axis, a swivel hingedly connected to said adapter for swinging movement about an axis arranged at right angles to the first-mentioned axis, lugs projecting from opposite sides of the adapter and cooperating with the base plate to limit the swinging movement of the adapter, other lugs arranged at right angles to the first mentioned lugs and also projecting from opposite faces of the adapter to limit the swinging movement of the swivel, and a pulley block rotatable in said swivel.

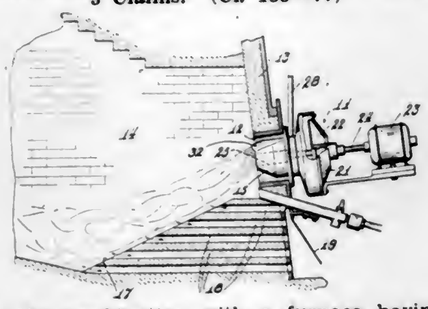
2,140,087
STOP MOTION FOR KNITTING MACHINES
Edwin H. Newell, Philadelphia, Pa., assignor to H. Brinton Co., Philadelphia, Pa., a corporation of Pennsylvania
Application July 3, 1934, Serial No. 733,690
28 Claims. (Cl. 66—157)

1. In a circular knitting machine, a stationary needle cylinder, rotary needle cams, a bobbin supporting post rotating with the needle cams, a pivoted fabric take-up on the fixed frame of the machine below the needle cylinder, a needle protector, stopping means including a stop motion magnet, a source of current in a normally open circuit with said magnet and with the machine frame, means for closing said circuit to stop the machine upon failure of a yarn, means for closing said circuit upon actuation of the needle



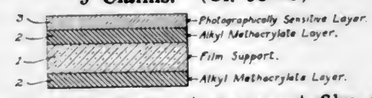
protector and means for closing it upon excessive downward movement of said take-up.

2,140,088
LIQUID FUEL BURNER
Aeneas MacDonald, Evanston, Ill.
Application July 20, 1936, Serial No. 91,480
5 Claims. (Cl. 158—77)



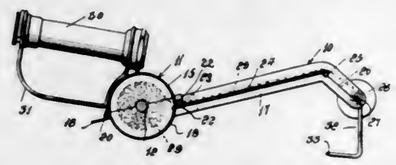
1. In combination with a furnace having a fire box comprising an inclined grate provided with air admission openings, a liquid fuel burner including a blower and a rotary fuel atomizer for delivering an atomized fuel stream over said grate and into said fire box for ignition, and a nozzle on said burner including at least one angularly disposed air outlet for delivering an air stream angularly against the fuel stream to deflect said fuel stream toward said inclined grate.

2,140,089
MOISTUREPROOFED FILM
Martin Marasco, Parlin, N. J., assignor to Du Pont Film Manufacturing Corporation, New York, N. Y., a corporation of Delaware
Application May 14, 1936, Serial No. 79,790
9 Claims. (Cl. 95—9)



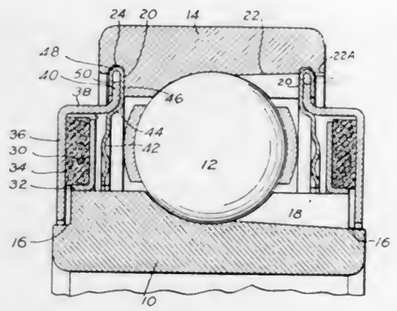
7. In combination a transparent film support containing cellulosic material taken from the group consisting of cellulose esters, cellulose ethers and regenerated cellulose; a moisture-proofing coating containing a material selected from the group consisting of the polymers and interpolymers of an alkyl methacrylate applied to both surfaces of said support, and a gelatino-silver halide emulsion applied over at least one of said moisture-proofing coats.

2,140,090
MANUSCRIPT HOLDER
Milton Oppenheimer, El Cajon, Calif.
Application May 13, 1937, Serial No. 142,508
2 Claims. (Cl. 281—8)



1. A manuscript holder comprising a frame, shafts journaled therein in spaced relationship and adapted to mount a manuscript, the intermediate portion of said frame forming a support for the intermediate exposed portion of said manuscript, a casing mounted at one end of said frame to enclose one of said shafts and provided with a pivoted cover for removal of the manuscript from said shaft, a bracket mounted on said casing, and a flashlight mounted in said bracket at an angle to the intermediate portion of said frame whereby the light rays therefrom will be directed on the exposed portion of the manuscript, the barrel of said flashlight forming a handle for manually supporting the manuscript holder.

2,140,091
ANTIFRICTION BEARING AND SEAL
William T. Murden, Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 20, 1935, Serial No. 55,418
9 Claims. (Cl. 286—5)



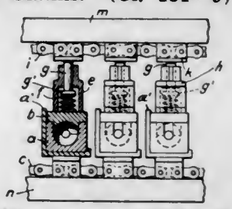
1. In a device of the character described, a ring having a peripheral holding groove with a side wall steeply inclined to the axis of the ring and at a smaller inclination to the opposite side wall to cause the groove to widen gradually from the bottom, and a closure plate jammed laterally between and in pressure engagement with both of the side walls and out of pressure contact with the bottom of the groove whereby a larger component of pressure is exerted axially on the ring than radially thereof and the tendency of the closure plate to distort the ring radially is minimized; substantially as described.

2,140,092
PORTABLE TYPEWRITER
Giuseppe Prezioso, Yverdon, Switzerland, assignor to E. Paillard & Cie, S. A., Yverdon, Switzerland
Application July 20, 1935, Serial No. 32,464
In Germany July 30, 1934
1 Claim. (Cl. 197—186)



In a portable typewriter having an open rectangular base frame, a base plate having a marginal upturned flange, said open rectangular frame fitting snuggly between the front and back marginal flange portions, screws passing through the front and back marginal flange portions into the adjacent walls of said frame, a cover over the machine and fitting over said marginal flange, said cover having holes to receive the back screws aforesaid, slots to receive the front screws aforesaid, and latches on the cover to engage the front screws aforesaid.

2,140,093
CIGAR SHAPING MACHINE
Benno Stelzer, Dresden, Germany, assignor to "Universelle" Cigarettenmaschinen - Fabrik J. C. Müller & Co., Dresden, Germany
Application October 31, 1936, Serial No. 108,667
In Germany November 7, 1935
3 Claims. (Cl. 131—9)

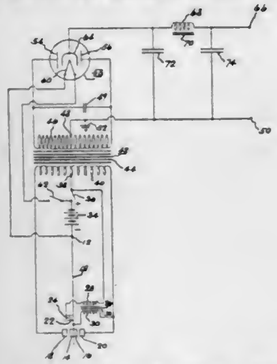


1. A cigar filler pressing and shaping device having a series of consecutive travelling individual molds for individual fillers each consisting of an upper and a lower part, comprising, in combination with said molds, means for pressing said mold parts against each other, and yielding members inserted into the path of that pressure, the upper parts of the molds being provided with hollow extensions housing said yielding members and with outwardly extending members for engaging said yielding members and pressure means respectively.

2,140,094
VOLTAGE TRANSFORMATION APPARATUS
Raymond H. Sullivan, Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 24, 1937, Serial No. 155,496
7 Claims. (Cl. 171—97)

7. In voltage transformation apparatus, the combination comprehending, a resilient reed anchored at one end and having its other end free to vibrate a pair of normally closed contacts, two pairs of normally open contacts, said pairs of normally open contacts being on opposite sides

of the reed; a source of direct current; a transformer having a center tapped primary so connected that the halves of the primary are alternately energized from the source of direct current; an electromagnet for effecting vibratory movement of the reed, said electromagnet having a plurality of windings thereon, one of the electromagnet windings being connected to the source



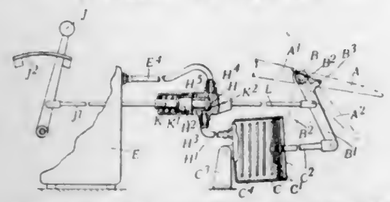
of direct current through the normally closed contacts, and another of the electromagnet windings being connected across one pair of normally open contacts, said contacts being so arranged that the last mentioned one pair of normally open contacts short circuits the electromagnet winding that is connected thereto after the normally closed contacts open.

2,140,095

CONTROL OF WING FLAPS ON AIRCRAFT

William Denis Learoyd Theed, London, England, assignor to Sir George Godfrey and Partners Limited, London, England, a company of Great Britain

Application November 27, 1936, Serial No. 113,079
In Great Britain December 5, 1935
1 Claim. (Cl. 244—42)



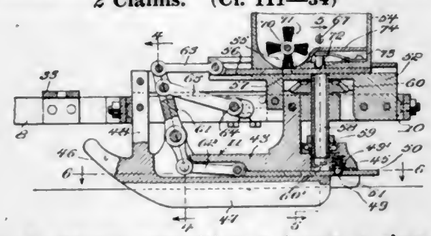
In apparatus for controlling the wing flaps of aircraft, in combination, a power unit including an internal combustion engine, at least one movable wing flap, a pneumatic servo cylinder, a conduit communicating with the said servo cylinder and subjected to suction produced by the induction of the power unit, a piston within the servo cylinder, interconnecting means between the piston and the said flap, a valve controlling communication between the servo cylinder and the said suction conduit and comprising a cylinder having at least three ports, a plunger movable within said cylinder, one of which is open to the atmosphere while the other two communicate respectively with the said suction conduit and with the servo cylinder, a manually operable control device connected to the valve plunger, said plunger having free range of movement within said valve cylinder equivalent to the full range of movement of said control device and interconnecting means between the valve cylinder and the said flap, whereby movement of the flap, due to air pressure thereon from a desired position causes movement of the valve cylinder relatively to the valve plunger, thereby automatically causing operation of the servomotor in a sense tending to restore the flap to and retain it in the said desired position.

2,140,096

PLANTER

Stacy Willam Thompson, Weldon, Tex., assignor of one-fourth to W. G. Clark, Weldon, Tex.

Application March 3, 1937, Serial No. 128,859
2 Claims. (Cl. 111—34)



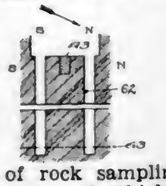
1. A planter comprising a frame, a shoe secured to said frame and having a port, a hopper carried by the frame and having a port, a rotatably mounted tube in communication with the port of the shoe, a gate having a port to communicate with the port of the hopper and with the tube for depositing a predetermined amount of seed in the tube, a gate for controlling the port of the shoe, a lever pivoted to the shoe, means connecting the lever to the gates for reciprocating said gates in opposite directions, means for imparting movement to the lever, and means for rotating the tube.

2,140,097

ROCK SAMPLING METHOD

Victor V. Vacquier, Oakmont, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

Application June 6, 1938, Serial No. 212,142
7 Claims. (Cl. 255—72)



1. In the art of rock sampling during deep drilling, the improvement which comprises the steps of introducing into the rock to be sampled a body of ferro-magnetic particles in such a state as to be susceptible of polar orientation under the influence of the earth's magnetic field, allowing said particles to become so oriented and fixing the particles to the rock while so oriented, and removing a sample of rock containing the fixed particles, thereby providing a magnetic index by means of which the original position of the sample in the earth can be determined after removal.

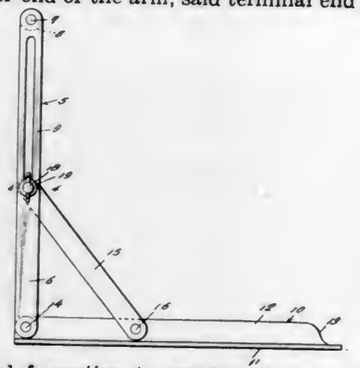
2,140,098

BEVEL

Frederick A. Weiskoff, Woodcliff, N. J.

Application September 1, 1937, Serial No. 162,032
1 Claim. (Cl. 33—102)

A foldable bevel of the class described comprising a sheath embodying a pair of spaced parallel substantially duplicate side members, a spacing and assembling washer fastened between corresponding ends of said member, one of said members being provided with a longitudinally elongated slot extending from the central portion and terminating in spaced relation adjacent the washer, an arm abutting the opposite ends of said members, said arm being provided with a right angularly disposed flange forming a rib, the rib extending from the normal inner end of the arm lengthwise and terminating inwardly of the outer end of the arm, said terminal end being



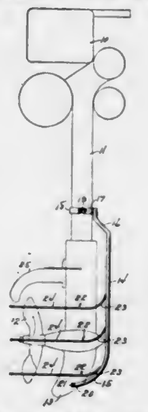
of curved formation to provide clearance coaction with said washer when the rib is folded between the members of said sheath, said inner end of the flange being pivoted between the last named ends of said members, a stay link pivoted at one end to the intermediate portion of said rib, the opposite end of said stay link being provided with a threaded stud extending through the slot, and a thumb nut on said stud cooperating with said slotted member in the manner and for the purposes described.

2,140,099

OUTBOARD MOTOR PROPELLER GUARD

Winfield H. Wise, Meridian, N. Y.

Application April 29, 1938, Serial No. 205,074
2 Claims. (Cl. 115—42)



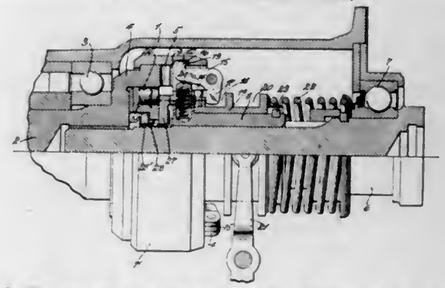
1. A guard for outboard motor propeller assembly having a propeller shaft housing, a propeller and a fin at the lower end of said housing comprising a hanger rod, an offset upper end on said rod, a two-part separable clamp carried by said end and embracing the said housing, a curved bifurcated lower end on said rod and straddling the fin, a fastener separably securing the lower end to said fin, and a plurality of vertically spaced guard arms extending laterally from opposite sides of said rod and along opposite sides of the propeller in spaced relation to the path of rotation of said propeller.

2,140,100

CLUTCH

Werner F. Boldt and George Harry Thomas, St. Louis, Mo.; said Boldt assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware, and said Thomas assignor to Piero Mariano Salerni, London, England

Application August 10, 1936, Serial No. 95,097
5 Claims. (Cl. 192—114)



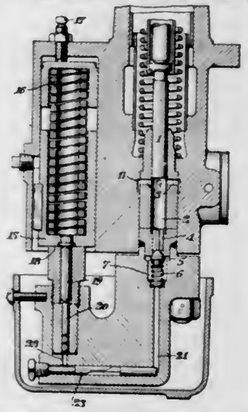
1. In apparatus of the class described, a driving shaft, a driven shaft, a clutch element fixed to one of said shafts, a movable clutch element carried by the other shaft and adapted to cooperate with the first named clutch element, means forming an abutment on the first named clutch element, a movable member on the movable clutch element for cooperating with the abutment to lock the clutch elements in cooperative relation, and an operating member for the movable clutch element and the movable locking member and including a lost motion connection between said operating member and said clutch element whereby the locking means will be operated prior to movement of the clutch element.

2,140,101

FUEL SUPPLYING APPARATUS

Charles M. Bovard, Mount Vernon, Ohio, assignor to Cooper-Bessemer Corporation, Mount Vernon, Ohio, a corporation of Ohio

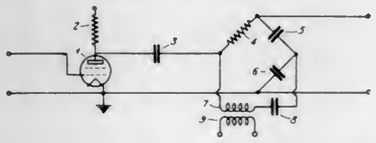
Application June 30, 1937, Serial No. 151,118
7 Claims. (Cl. 123—140)



1. Apparatus for supplying liquid fuel under predetermined pressure to internal combustion engines, having a pump chamber provided with intake and delivery openings, a pump member

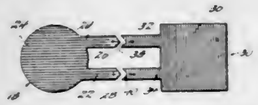
operating in said chamber, an adjustable fuel throttling valve in communication with said intake opening which throttling valve is constructed and arranged to cause the pump member during suction strokes to draw in varying amounts of fuel into the pump chamber and produce a varying partial vacuum in said chamber according to the adjustment of said throttling valve, and means responsive to fuel pressure changes on the delivery side of the pump for adjusting the position of said throttling valve to regulate the amount of fuel pumped in accordance with the fuel pressure on the delivery side of the pump.

2,140,102
TELEVISION OR THE LIKE TRANSMISSION SYSTEM
Michael Bowman-Manifold, Worplesdon Station, and Edward Cecil Cork, Worcester Park, England, assignors to Electric and Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application February 12, 1934, Serial No. 710,880
In Great Britain February 13, 1933
4 Claims. (Cl. 250—27)



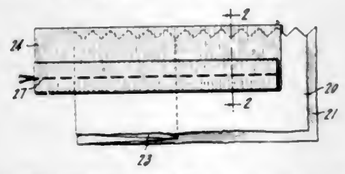
3. In a system for separating electrical impulses, means for receiving signals having both high and low frequency impulses, a thermionic device connected with the receiver circuit arranged to form one leg of a bridge circuit for separating high and low impulses, a plurality of capacity elements forming two additional legs of said bridge member, and a resistance element forming the fourth leg of said bridge, a circuit connected across the diagonal between said two capacity elements so that signals representing only low frequency signals appear therein, a second circuit connected across the diagonal between one of said capacity elements and said thermionic device, and means connected in the second circuit for limiting the signals therein to the high frequency signals.

2,140,103
VALENCE BLOCK FOR ILLUSTRATING CHEMICAL REACTIONS
Arthur Herbert Bryan, Baltimore, Md.
Application July 22, 1937, Serial No. 155,067
12 Claims. (Cl. 35—18)



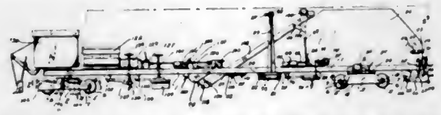
1. Means for illustrating chemical reactions comprising blocks appropriately designated to represent chemical elements and radicals, said blocks having projecting arms corresponding in number to the valence of the particular elements and radicals represented by such blocks, the extremities of the arms on the blocks representing positive elements and radicals having a characteristic configuration and the extremities of the arms on the blocks representing negative elements and radicals having another characteristic configuration adapted to mate with the extremities of the arms on the blocks designating the positive elements and radicals.

2,140,104
BAG CLOSURE
Orme E. Cheatham, West Brighton, N. Y., assignor to Bagpak, Inc., New York, N. Y., a corporation of Delaware
Application May 14, 1936, Serial No. 79,773
6 Claims. (Cl. 229—62)



1. A bag having a closure comprising a sealing tape over the end of the bag, said tape having at least one edge turned back upon itself a plurality of times to form a reinforcing selvage, and a seam passing through the walls of the bag and including said selvage.

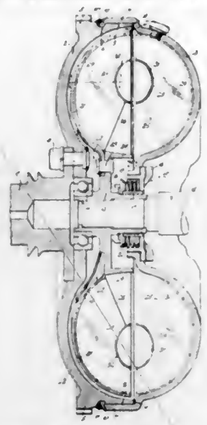
2,140,105
ROAD BUILDING AND RECLAMATION MACHINE
Franklin Cluster, Springfield, Oreg.
Application May 19, 1936, Serial No. 80,603
6 Claims. (Cl. 37—108)



1. A road building machine including a frame, ground supporting wheels therefor, a ground cutting implement mounted transversely of and below the frame, means for independently controlling the cutting depths of the cutting implement, a conveyor cooperating with the cutting implement, a bin mounted on the frame to receive the material from the conveyor, a traveling apron forming the bottom of the bin, means for selectively driving the apron in either direction, a gate at the rear of the bin for delivering material therefrom in the travel of the apron, a bulldozer supported below the machine in line with the rear of the bin, and means for operating the gate for delivering material from the bins in advance of or in rear of the bulldozer at will.

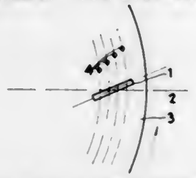
2,140,106
FLUID COUPLING
John C. Cox, Werner F. Boldt, and George Harry Thomas, St. Louis, Mo.; said Cox and said Boldt assignors to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware, and said Thomas assignor to Piero Mariano Salerni, Westminster, London, England
Application September 28, 1936, Serial No. 102,984
6 Claims. (Cl. 60—54)

1. In a fluid coupling of the Föttinger type, a curved annular member, a second curved annular member spaced from and in substantial concentric relation to the first member, and radially extending vanes interposed between and secured to the two annular members to produce a fluid path, each pair of said vanes comprising a member U-shaped in cross section and having the outer edges of its legs curved and secured to one of the annular members and the outer surface



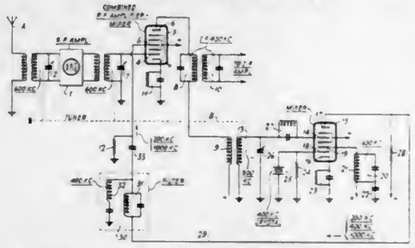
of its base curved and secured to the other annular member.

2,140,107
SYNCHRONIZING MEANS
Dennis Clark Espley, North Wembley, England, assignor to The General Electric Company Limited, London, England
Application August 10, 1937, Serial No. 158,377
In Great Britain August 11, 1936
5 Claims. (Cl. 178—69.5)



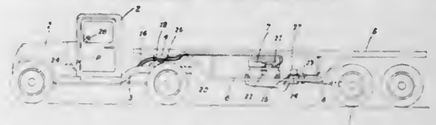
1. Synchronizing means for television comprising a uniformly rotatable scanning disc provided with a series of synchronizing holes which normally should be uniform in size and spacing but which involve inherent irregularities and means including a slit arranged to cooperate with said synchronizing holes for compensating for said irregularities so that the light for the synchronizing signal is transmitted through said series of holes at a substantially uniform frequency.

2,140,108
RADIO RECEIVING SYSTEM
Seymour Hunt, Jackson Heights, Long Island, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 15, 1938, Serial No. 195,969
8 Claims. (Cl. 250—20)



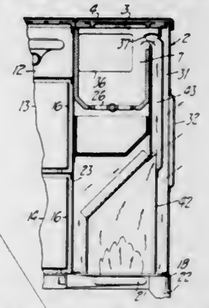
1. A method of signal reception which includes amplifying desired signal carrier energy, beating the amplified carrier energy with locally produced energy to provide sum and difference beat frequency energies, beating the sum and difference beat energies with said desired carrier energy, and deriving signals from the resultant beat energy which have a carrier frequency equal to the frequency of said locally produced energy.

2,140,109
BOOSTER DRIVE FOR TRUCK TRAILERS
Fred A. Kellar, Stockton, Calif.
Application March 22, 1937, Serial No. 132,454
1 Claim. (Cl. 180—14)



A truck including supporting wheels and a drive means therefor, and a semi-trailer for attachment to the truck, the semi-trailer having wheels supporting the rear end thereof; a motor suspended below the load platform of the trailer, a drive means between the motor and wheels of the trailer and independent of the drive means of the truck, and means for controlling the operation of the motor and the action of the drive means of the trailer in synchronism with the motor and drive means of the truck to which the trailer may be hitched.

2,140,110
COMBINATION HEATING AND COOKING RANGE
Joseph E. Leonard, Berkeley, Calif., assignor to Hammer-Bray Company, Ltd., Oakland, Calif., a corporation of Nevada
Application January 21, 1936, Serial No. 60,013
3 Claims. (Cl. 126—4)

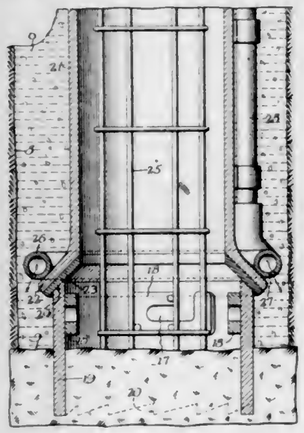


1. In a cooking and heating stove having an incinerator and an air circulating heater embodied therein, a stove body having a pair of compartments in side by side relation, an incinerator in one of said compartments and providing a fire box in the top of said compartment and an ash pit under said fire box, said compartments being narrowed at said ash pit with a corresponding widening of said other compartment thereat, and a combustion chamber casing mounted in the widened portion of said last named compartment and being spaced from the sides of said compartment to define an air heating and circulating passage.

2,140,111
METHOD AND APPARATUS FOR FORMING CONCRETE FOUNDATION COLUMNS
William J. Newman, Chicago, Ill.
Application March 12, 1932, Serial No. 598,397
Renewed May 7, 1938
6 Claims. (Cl. 61—57)

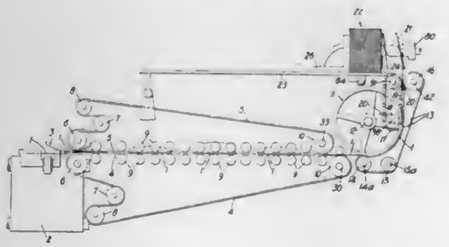
1. The herein described method which consists

in placing a rotary, cylindrical cutter in the bottom of a hole filled with water and rotating the same to cause the lower end to be embedded in the bottom and make a tight closure therewith, then removing the rotating mechanism and leaving the cutter in position, then lowering a pipe of sufficient diameter to permit a man to pass through the same, into the hole, said pipe having a flange at its lower end and a packing mem-



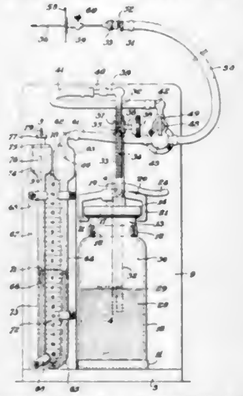
ber adapted to engage with the upper end of the cutter to make a tight joint therewith, then pumping the water out of the pipe and cutter while leaving it in the surrounding portion of the hole, then inspecting the bottom within the cutter and cleaning the same, then filling the pipe with concrete and utilizing the same as a tremie for filling the hole, and simultaneously agitating the water around the lower end of the pipe as the filling proceeds.

2,140,112
ENVELOPE MACHINE
Abraham Novick, Flushing, N. Y., assignor to F. L. Smithe Machine Co., Inc., New York, N. Y., a corporation of New York
Application May 9, 1935, Serial No. 20,575
Renewed April 20, 1938
19 Claims. (Cl. 271—69)



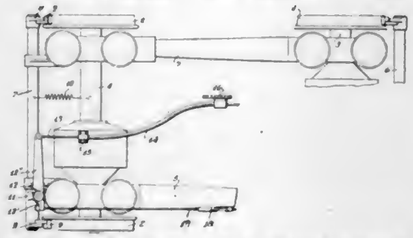
1. In an envelope machine, the combination with means for delivering envelopes in spaced out relation of a plurality of co-axially arranged feed rollers, bands running in conformity with the rollers and tangentially away therefrom in an upward direction, and elevator conveyors opposed to the upwardly extending stretches of the bands and having lifting fingers extending into intersecting relation to the straight stretches of the bands.

2,140,113
SURGICAL DECOMPRESSION APPARATUS
Charles J. Pilling, Lansdowne, and Burgess L. Gordon, Jr., Philadelphia, Pa., assignors to The George P. Pilling & Son Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 8, 1936, Serial No. 73,292
3 Claims. (Cl. 128—275)



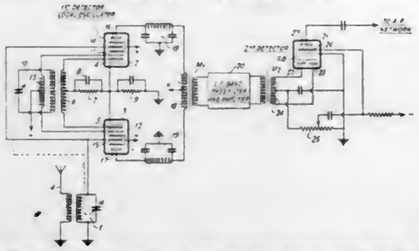
1. In a surgical decompression apparatus, the combination of a container providing a water receiving space, a rigid tube provided with a gear rack, means for slidably supporting said tube with its lower end portion extending into said space, a gear wheel in mesh with said rack, means operable to turn said wheel to raise and lower said tube, a body penetrating tubular needle, and a flexible tube associated with the needle and the first named tube and establishing communication between them.

2,140,114
HAND BRAKE LINKAGE
Emil H. Piron, New York, N. Y., assignor to Transit Research Corporation, New York, N. Y., a corporation of New York
Application May 1, 1937, Serial No. 140,129
3 Claims. (Cl. 188—49)



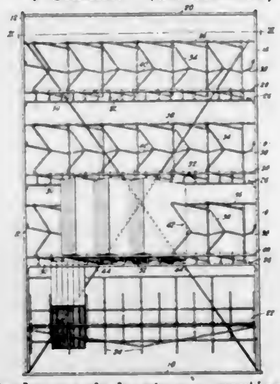
1. In a brake system for a vehicle having two axles and wheels at the ends of said axles, a horizontally journalled shaft paralleling each of said axles and having a brake supporting arm arising from each end thereof, brake shoes carried by said arms, and equalizer means for simultaneously rotating said shafts in opposite directions to apply said shoes against said wheels comprising a vertical extension arising from one of said shafts and terminating in a bearing portion, a lever journalled intermediate its ends on said bearing portion for horizontal swinging movements, means connecting one end of said lever to an actuating element for the brake shoes remote therefrom, and means connecting the other end of said lever to an actuating means for the system.

2,140,115
SUPERHETERODYNE RECEIVER
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 10, 1937, Serial No. 147,402
5 Claims. (Cl. 250—20)



1. A superheterodyne receiver arrangement, free from image interference, characterized by relatively wide separation between adjacent signal channels, of the order of 20 kilocycles, in the range of frequencies to be received, and an intermediate frequency transmission network whose transmission characteristic is chosen to make the image frequencies of a desired signal lie wholly within the clear space between the desired signal and an adjacent channel.

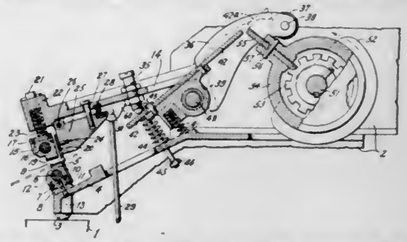
2,140,116
DISPLAY RACK
Harry J. Rubenstein and Lloyd Talbot, Kansas City, Mo.; said Talbot assignor to said Rubenstein
Application April 28, 1937, Serial No. 139,514
7 Claims. (Cl. 211—50)



1. A display rack having a vertically disposed frame; a plurality of rearwardly and downwardly disposed shelves carried by said frame; and a series of spaced-apart, obliquely disposed partitions carried by said frame intermediate each of said shelves, said partitions being substantially perpendicular to the major plane of said shelves, and a back guide member positioned perpendicular to and interconnecting adjacent partitions.

2,140,117
PACKAGE FABRICATOR
Leroy L. Salfisberg, South Orange, N. J., assignor to Wrap-Ade Machine Company, Newark, N. J., a corporation of Delaware
Application August 19, 1936, Serial No. 96,752
3 Claims. (Cl. 226—56)

1. A sealing mechanism comprising, sealing members, a reciprocative support for at least one of said sealing members, an eccentric for moving said support to cause said members to engage, a motor, a clutch for coupling said motor and eccentric and a clutch control device operable by predetermined manual movement of said support



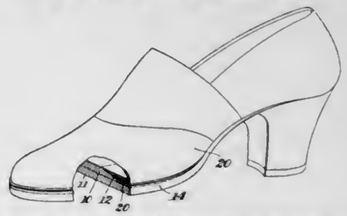
for engaging said clutch including means adapted to be released after predetermined rotation of said eccentric, to disengage said clutch, and including means for preventing operation of said last mentioned means when said sealing members are held in proximity to each other.

2,140,118
METHOD OF MAKING SOLES
Frank Sbicca, Philadelphia, Pa., assignor to Sbicca-Method Shoes, Inc., Philadelphia, Pa., a corporation of Delaware
Application September 30, 1935, Serial No. 42,902
16 Claims. (Cl. 12—146)



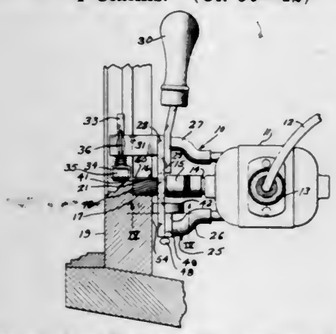
1. A method of preparing complementary insoles and outsoles which comprises providing a ply of outsole leather, cementing thereto a ply of insole material of less thickness than the required insole thickness to form a composite blank, and separating an insole from said blank along a plane below that of the cemented bond between said plies.

2,140,119
SHOE AND METHOD OF MAKING SAME
Harry L. Sutcliffe, Brooklyn, N. Y., assignor to The Del-Mac Shoe Process Corporation, New York, N. Y.
Application March 19, 1935, Serial No. 11,755
4 Claims. (Cl. 12—146)



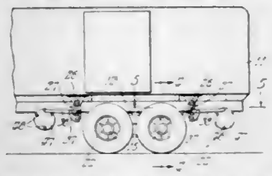
1. A shoe having a sole combination comprising an outsole elevated in thickness at the central area of the ball portion thereof, said elevated portion comprising a layer of relatively soft material adhesively secured to the outsole, and an insole comprising two layers of material adhesively secured together and having an opening in the ball portion thereof to receive the elevated area of the outsole, the uppermost of said insole layers being formed of said soft material.

2,140,120
WINDOW FRAME PUTTY GROOVE CLEANING DEVICE
Marcus Tomarin, Chicago, Ill.
Application March 8, 1937, Serial No. 129,572
4 Claims. (Cl. 90—12)



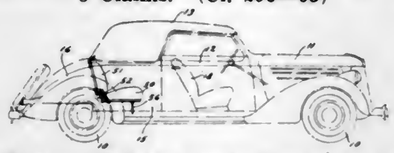
1. A window frame putty groove cleaning device comprising a motor, a groove cleaning tool adapted to be removably secured to the shaft of said motor to be driven thereby, a support secured to said motor including a transverse plate through which said tool projects, a pair of rollers carried by said support on opposite sides of said tool, means for adjusting said rollers in accordance with the depth and position of the window frame groove which said tool is to clean, and a handle secured to said support for moving said tool along the groove with the rollers in adjusted position traveling over surfaces of the window frame on opposite sides of said groove, one of said rollers being positioned below said plate with its axis parallel to the axis of said motor shaft and the other of said rollers being mounted above said plate with its axis at right angles to the axis of said motor shaft and with a portion of its cylindrical surface extending through an opening in said plate against said window frame.

2,140,121
CONVERTIBLE RAIL AND HIGHWAY VEHICLE
William J. Tomkins, Chicago, Ill.; Florence Tomkins executrix of said William J. Tomkins, deceased
Application March 7, 1935, Serial No. 9,738
14 Claims. (Cl. 105—215)



1. In a vehicle having rail and road wheels adapted to be mounted thereon, a rim supporting member on the body of the vehicle, a rim and tire carrier pivotally mounted on the body of the vehicle between said rail wheel and said rim supporting member, said carrier being adapted to engage the rim of said road wheel for supporting said rim while the latter is being moved to and from said supporting member and into operative and inoperative positions with respect to the vehicle, and means rotatably mounted with respect to said body and operatively related to said carrier for raising and lowering the rim supported thereon as the said rim is moved toward and from said supporting member.

2,140,122
AUXILIARY SEAT CONSTRUCTION
Fred J. Westrope, Alfred H. Haberstump, and Alfred Person, Detroit, Mich., assignors to The Murray Corporation of America, a corporation of Delaware
Application February 7, 1936, Serial No. 62,758
5 Claims. (Cl. 296—65)



1. In a vehicle body construction having a seating compartment and a storage compartment rearwardly of said seating compartment, an auxiliary seat construction comprising a seat cushion and a seat back member pivotally connected together for pivotal movement with respect to each other, means for pivotally connecting the upper marginal portion of said seat back member to said vehicle body whereby said seat back member and said seat cushion member may be bodily swung about said pivot to move said seat cushion member and seat back member from said seating compartment into said storage compartment.

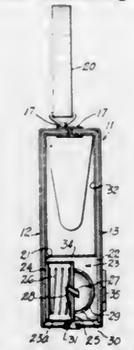
2,140,123
BRAKING MECHANISM
Clarence J. Whitacre, St. Louis, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application January 23, 1937, Serial No. 122,034
6 Claims. (Cl. 188—152)



1. In braking apparatus for a vehicle having two spaced apart members rotatable on the same axis, a brake for each member, axially aligned rods in parallel relation with the axis of the members and positioned between the brakes, means carried by the outer end of each rod and adapted to actuate a brake upon longitudinal movement of the rod, fluid-operated means interposed between the inner ends of the rods for simultaneously moving them longitudinally in opposite directions to operate the brakes, and mechanically actuated means connected to each rod for moving the rods longitudinally in opposite directions independently of the fluid-operated means.

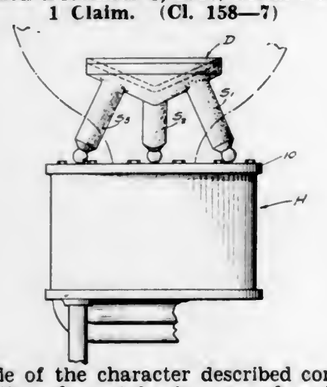
2,140,124
CHILD'S HANDBAG NOVELTY
Max S. Banner and Irving Banner, New York, N. Y.
Application July 14, 1938, Serial No. 219,149
6 Claims. (Cl. 46—175)

5. A handbag novelty including a bag body having outer walls and a lining, at least one stiffener plate between said lining section and an outer wall of the handbag substantially coextensive in size with the latter, a resilient expandible sounding device between the lining and said wall and being mounted solely on said stiffener plate and being otherwise free of the bag body, said stiffener plate being secured to the bag body solely at its upper portion, said sounding device being located wholly in a bottom corner portion of the bag body, said lining being cut away so as to overlie the sounding device and the lining otherwise extending to the bottom of the bag body, the sounding device projecting



from the stiffener plate toward the opposite wall of the handbag and extending substantially the full thickness of said bag body.

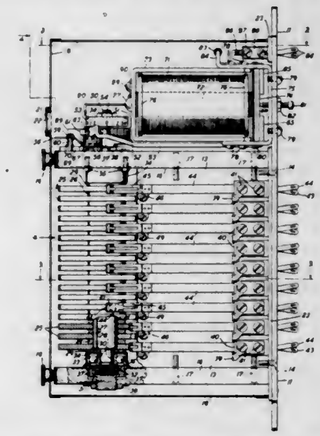
2,140,125
BAFFLE FOR HEATERS
Emory Louis Bauer, Wilmington, Del., assignor to Emory L. Bauer, Inc., Wilmington, Del., a corporation of Delaware
Application December 3, 1936, Serial No. 113,996
1 Claim. (Cl. 158—7)



A baffle of the character described comprising a deflecting element having a surface intended to be disposed towards the flames of a heater, a coating of refractory material on said surface, the peripheral edge of said element being free and uncovered, legs secured to the deflecting element, and an individual coating of refractory material covering each of said legs except the lower extremities thereof, the refractory coating on said legs being in underlying and supporting engagement with the refractory coating on said surface of said deflecting element, and an exposed enlargement on each of said legs adjacent its lower extremity supporting the refractory coating on said legs.

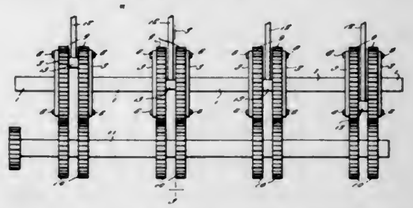
2,140,126
ROTARY SWITCH
Howard Broadwell, Ridgewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 13, 1935, Serial No. 54,197
4 Claims. (Cl. 200—105)

1. In a switching mechanism, a base plate, a shaft rotatably mounted thereon, a disc cam on said shaft for rotation therewith, means for rotating said shaft and cam from any one of a plurality of positions of rest into any other of said positions, a spring pile-up comprising an insulating block fastened to said mounting plate and a pair of flat contact springs fixed near one end in said block in spaced and parallel relation and extending forward from said block toward said cam, a spring actuating member, one end of said member engaging the periphery of said cam, a flat spring extension of the other end of said member being fixed in said block so as to



maintain the engagement between the free end of said member and said cam, the forward end of a first one of said contact springs being free and tensioned toward said actuating member, the second of said contact springs being further fixed at a point near its forward end, and a more flexible contact spring welded to the second contact spring at said point and extending forward to engage the free end of said first contact spring.

2,140,127
CRANKSHAFT
Lihu S. Chancellor, Pleasantgrove, Miss.
Application November 27, 1937, Serial No. 176,865
3 Claims. (Cl. 74—52)



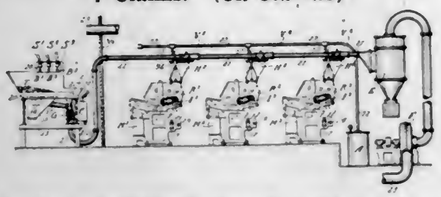
1. A device of the class described comprising a main shaft, pairs of gears fixed on said main shaft, a plurality of longitudinally spaced aligned shaft sections mounted parallel to the first named shaft, gears loosely mounted on the end portions of said shaft sections, ring gears fixedly mounted on the end portions of the shaft sections in spaced, concentric relation to the loosely mounted gears, said ring gears including internal and external teeth, the external teeth being engaged with the first named gears, a plurality of connecting rods, pins mounted on said connecting rods, and gears fixed on said pins and adapted to travel between the loosely mounted gears and the ring gears in mesh therewith.

2,140,128

PNEUMATIC CONVEYER FOR CIGARETTE MACHINES

Ross V. Craggs, Brooklyn, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey

Application February 25, 1936, Serial No. 65,676
7 Claims. (Cl. 302—28)



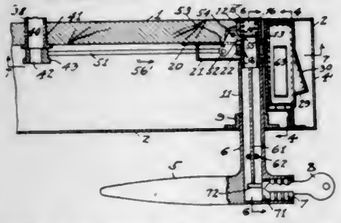
1. The combination with a plurality of cigarette machines each having a tobacco feed, of a single main conduit into which disintegrated tobacco may be introduced, means for creating a current of air through said conduit to pneumatically convey the inserted tobacco, devices communicating with said tobacco feeds for diverting said current of air from said conduit in order to deliver the conveyed tobacco to the tobacco feed of any of said machines, said means including a fan arranged to exhaust air from said conduit, and said conduit being provided with an intake through which tobacco may be inserted, and a valve normally closing said intake and connected to said devices and controlling the same.

2,140,129

DOOR LOCK FOR AUTOMOBILES

Joseph Drzewiecki, Detroit, Mich.

Application August 31, 1936, Serial No. 98,659
3 Claims. (Cl. 70—149)



1. A door latch mechanism comprising a housing, a latch bolt pivoted in said housing and adapted to engage a co-acting keeper socket, a collar rotatably mounted in said housing, a tongue upon said collar, a rod coupling said tongue and said latch bolt in co-operative relation, a handle having a hollow stem arranged co-axially with said collar, a notch in said stem, a bushing rotatively connected to said collar and slidable longitudinally therein, a projection upon said bushing adapted to engage said notch, and resilient means normally urging said projection into engaged position.

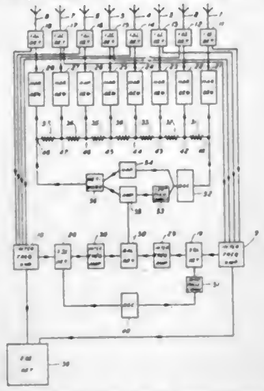
2,140,130

RADIO SYSTEM

Charles William Earp, Paris, France, assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application April 6, 1935, Serial No. 15,031
In France May 5, 1934
7 Claims. (Cl. 250—11)

1. In combination, an antenna comprising at least three elements spaced in a line, a receiver connected to said elements, means connected to at least one pair of adjacent elements for obtaining a current representing the phase relation of the wave components absorbed by said pair of elements, and means controlled by said



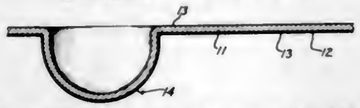
current for automatically and continuously producing in-phase currents at said receiver representing wave components absorbed by said elements, regardless of the incoming direction of the wave having said components.

2,140,131

MANUFACTURE OF FORMED ARTICLES

Murray D. Helfrick, North Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application June 27, 1936, Serial No. 87,682
4 Claims. (Cl. 113—51)



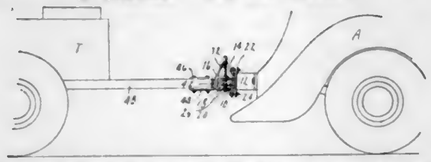
1. A process for manufacturing a plated cup-shaped article, comprising electrodepositing a coating on a metal strip, covering the plated strip with a cellulose derivative lacquer to protect the plating and provide lubrication during subsequent forming operations, forming the strip into said article, and removing the lacquer from the formed article.

2,140,132

TRAILER COUPLER

Robert E. Hollett, Des Moines, Iowa

Application December 9, 1935, Serial No. 53,545
2 Claims. (Cl. 280—33.15)



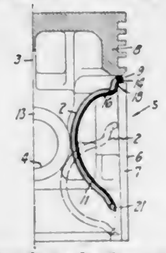
1. In a trailer coupler, a pair of unitary members, one attached to the rear bumper of an automobile and the other attached to a trailer tongue element, one of said unitary members having a vertically arranged base, means for securing said base in position for pivotal movement on a horizontal axis, a pair of vertically spaced arms projecting horizontally from said base, each arm being perforated, a coupler pin slidable in the perforations of said arms, the other member having a U-shaped rounded end provided with upper and lower legs each having a perforation to receive said coupler pin to reduce the bending moment thereof and formed to a width narrower than the space between the vertically spaced arms so as to readily enter therebetween, a third arm supported on said base and integral therewith, and a spring having one end engaging said coupler pin and its other end engaging said third arm to bias said coupler pin to enter said perforation of said other member when it registers with the path of sliding travel of the coupler pin.

2,140,133

PISTON EXPANDER

Charles F. Johnston, Oakland, Calif.

Application November 27, 1935, Serial No. 51,869
7 Claims. (Cl. 309—12)



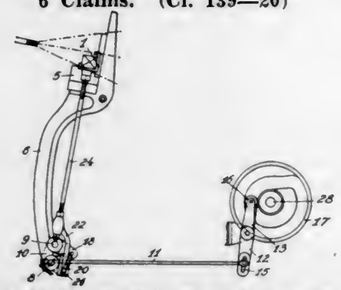
1. An expander for a hollow piston formed with a longitudinal and an intersecting circumferential slot in the skirt thereof comprising, a resilient wire arranged to be compressed into said piston and having a portion for engaging and expanding the portion of said skirt adjacent said longitudinal slot and having a portion offset from said first portion and arranged to seat in the space defined at the junction of said slots to hold said wire against displacement longitudinally and circumferentially of the piston, and being held by said first portion against extension through said space to the exterior of said piston.

2,140,134

DOUBLE-SHED LOOM

Hermann Köhler and Karl Petzoldt, Chemnitz, Saxony, Germany

Application April 28, 1937, Serial No. 139,494
In Germany April 28, 1936
6 Claims. (Cl. 139—20)



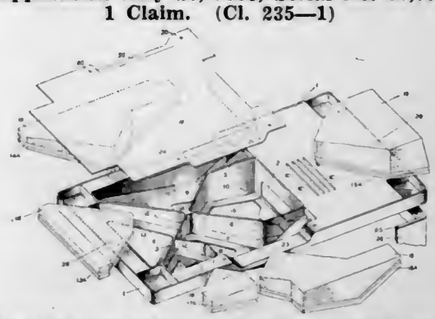
1. In a double-shed loom, a lay, a single cell shuttle box at each side of the lay, two shuttles adapted to be simultaneously thrown through the sheds from opposite sides of the loom, means for moving the shuttle boxes alternately up and down and means for controlling said up and down movement to occur only during the passage of the shuttles through the sheds and retaining said shuttle boxes in their position while the shuttles are in said shuttle boxes.

2,140,135

NOISE REDUCING DEVICE FOR ADDING MACHINES AND THE LIKE

Walter W. Landsiedel, Norwood, Ohio, assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware

Application May 20, 1936, Serial No. 80,701
1 Claim. (Cl. 235—1)



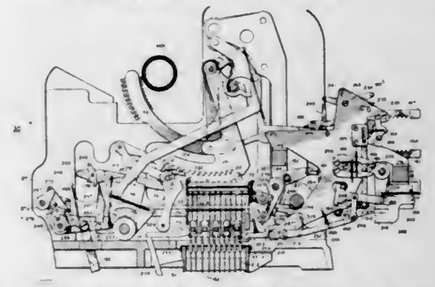
A casing for adding and like machines including a cover member, a base member formed with ribs and openings adjacent to said ribs, vibration insulating and absorbing elements in said base member and covering said openings, and a securing member for holding said elements in place.

2,140,136

TABULATING MACHINE

William W. Lasker, Brooklyn, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware

Application April 28, 1936, Serial No. 76,733
3 Claims. (Cl. 235—61.6)



1. In a machine of the class described, the combination of an accumulator, a plurality of sets of actuating racks for said accumulator, means for causing the engagement and disengagement of said accumulator and either of said sets of actuating racks, said last recited means including a first resilient means arranged to disengage the accumulator from either of said sets of racks and a second resilient means arranged to engage said accumulator with either of said sets of racks against the tension of said first resilient means, means to render said second resilient means ineffective whereby said first resilient means may become effective, and means operable to retain said accumulator in engagement with either of said sets of racks against the tension of said first resilient means when said second resilient means is rendered ineffective.

2,140,137

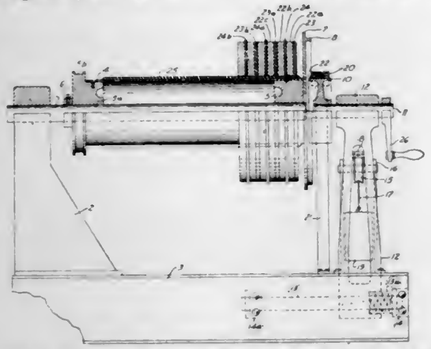
METHOD AND MEANS FOR WINDING COILS

William S. Merkle, St. Louis, Mo.

Application June 21, 1935, Serial No. 27,623
24 Claims. (Cl. 140—92.2)

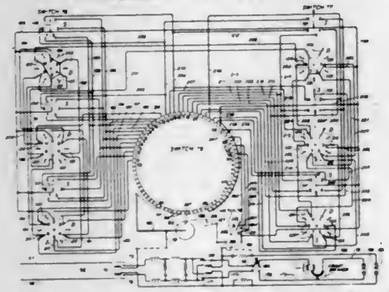
1. A device for winding coils from outside inwardly, consisting of two rotatable members dis-

posed one within the other in substantially the same plane, and a resilient means adapted to co-



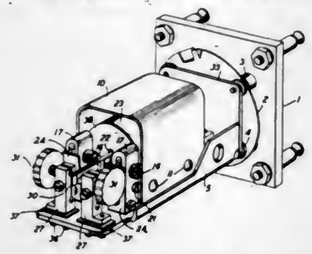
operate with the inner member and expand a winding material into a spirally formed annular coil within the outer member.

2,140,138
IMPULSE TRANSMITTER
Albert H. Miller, Bayside, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 18, 1937, Serial No. 126,410
3 Claims. (Cl. 177—380)



1. A variable impulse transmitter for transmitting variable codes of impulses each code consisting of three series of impulses with pauses therebetween, the number of impulses in each series being variable while the total number of impulses in each code signal is constant, comprising in combination, a commutator comprising spaced segmental contacts and a wiper contact successively engaging said segmental contacts, a manually operated switch comprising paired fixed contacts with the contacts in each pair spaced apart, movable contacts operating in the spaces between the paired contacts to selectively bridge said paired contacts, singly arranged fixed contacts, a single wiper contact to selectively engage said singly arranged contacts, means common to said movable contacts and said single wiper contact for moving such contacts, a second manually operated switch of like structure to that above described and circuit connections between the fixed contacts of said switches and the segmental contacts of said commutator to make certain of said segmental contacts normally live and other of said segmental contacts normally dead, the circuit connections being such that normally there is a group of segmental contacts in which alternate contacts in the group are live and the remaining ones in the group are dead and so that the segmental contacts preceding said group are normally dead and the segmental contacts following said group comprise a group of normally live contacts and a following group of permanently dead contacts and said switches being operable to selectively make the live segmental contacts dead and the dead segmental contacts live.

2,140,139
ELECTROMAGNETIC DEVICE
Edward J. Pratt, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 11, 1936, Serial No. 100,300
6 Claims. (Cl. 175—339)



1. In an electromagnetic device, the combination with an energizing coil having an armature extending therethrough, of a removable magnetic structure comprising two pole-pieces each formed with a U-bend having apertures therein, pole-screws threaded through said apertures, a nut disposed within each of said bends and assembled on each of said pole-screws, and means for applying pressure to each of said nuts to hold each of said screws in an adjusted position.

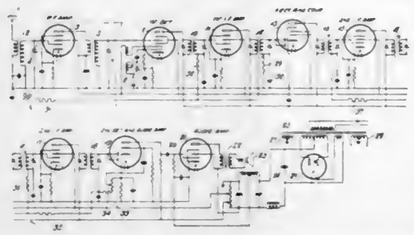
5. A relay device comprising a non-magnetic chassis having a base portion and a back portion, an energizing coil mounted on said base portion, a magnetic structure including a U-shaped permanent magnet adapted for attachment to the upper surface of said base and removable as a unit therefrom, said magnetic structure in combination with the upper surface of the base of said chassis being adapted to surround the winding surface of said coil, and an armature connected to said magnetic structure and extending through said energizing coil to form with said magnetic structure the complete magnetic circuit of said relay device.

2,140,140
RECOVERY OF MALEIC ANHYDRIDE
Elton B. Punnett, Buffalo, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application November 30, 1936, Serial No. 113,534
30 Claims. (Cl. 260—343)

1. The method of recovering maleic anhydride from a mixture containing maleic anhydride and water vapors, which comprises condensing maleic anhydride from said vapor mixture at a temperature at which maleic anhydride reacts with water to form maleic acid, while retaining in the vapor form the water in the vapor mixture by maintaining the water vapor pressure of said vapor mixture below the vapor pressure of liquid water at said temperature, and removing the maleic anhydride condensate from the reactive influence of the water vapor.

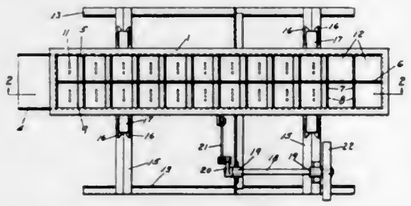
2,140,141
RADIO CIRCUIT
Paul Wilson Redcay, Hyde Park, Pa.
Application September 26, 1936, Serial No. 102,757
12 Claims. (Cl. 250—20)

1. In a radio receiver, the combination of a source of signal energy, an amplifier operating at a harmonic of the frequency of said signal energy, and a diode rectifier and electron capaci-



tance coupling device arranged to rectify signal energy received from said source and to transmit signal energy to said amplifier at said harmonic frequency.

2,140,142
AMALGAMATOR
Walter J. Scott, Washington County, Oreg.
Application March 2, 1936, Serial No. 66,546
3 Claims. (Cl. 209—65)

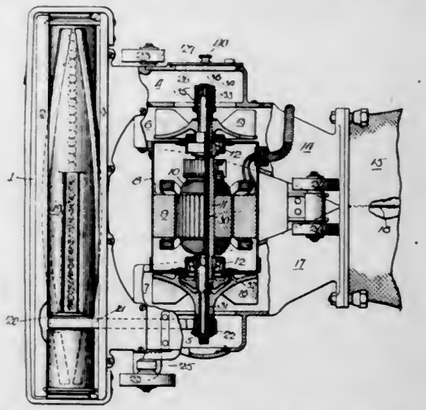


1. In an amalgamator, a box, a plurality of amalgamating chambers arranged in series from end to end of the box, the box being inclined upwardly from the input end to the discharge end to retard the flow of material therethrough, a plurality of spaced partitions, defining said chambers, each said partition having a restricted aperture therein for effecting communication between adjacent chambers, an amalgamating plate in each said chamber, said plates being inclined upwardly from the rear to the forward end of each chamber, and a baffle plate disposed above each said amalgamating plate and interposed directly between said apertures.

2,140,143
SUCTION CLEANER
William D. Sellers, Glen Ellyn, and Earl Babcock, Evanston, Ill., assignors to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application December 30, 1933, Serial No. 704,624
27 Claims. (Cl. 15—9)

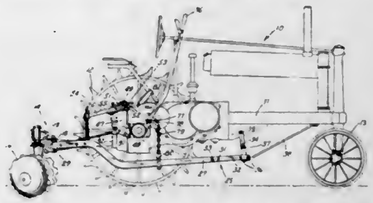
1. In a suction cleaner a body including a nozzle and means to seat a dusting tool unit, suction-creating means including a plurality of fans connected to said nozzle, means to drive said fans, certain of said fans being disengageable from said driving means, and means responsive to the connection of a dusting tool unit to said body to disconnect certain of said fans from said driving means.

2. In a suction cleaner, suction-creating means adapted to be connected to a dusting tool unit, a driving motor including a plurality of circuits for various speeds connected to said suction-creating means, an agitator, power-transmission means between said motor and said agitator, means to declutch said agitator from said motor, and means responsive to the connection of a dusting tool unit to close certain of said motor circuits.



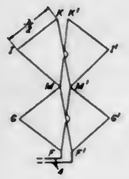
26. In a suction cleaner, a body, a dusting tool seat on said body, a driving motor, suction-creating means in said body driven by said motor and to which a dusting tool unit connects, a surface covering agitator, power-transmitting means between said motor and said agitator, a clutch, and means actuated by the seating of a dusting tool on said body to operate said clutch to declutch said agitator from said motor.

2,140,144
AGRICULTURAL IMPLEMENT
Walter H. Silver, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application February 23, 1937, Serial No. 126,956
17 Claims. (Cl. 97—47)



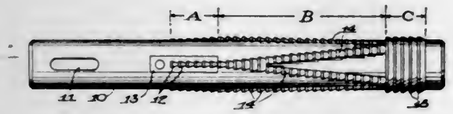
1. In combination with a tractor, a tool carrying frame comprising a pair of longitudinally extending beams and fore and aft cross members connected therebetween, said frame extending forwardly under the tractor to draft connections therewith, said connections providing vertical swinging and a limited amount of lateral tilting of said frame relative to the tractor, said frame extending rearwardly to laterally spaced ground working tools disposed behind said tractor, a pair of laterally spaced arms carried on said tractor and freely swingable about a transversely extending axis during ground working operation, means for rigidly interconnecting said arms to form a unitary structure, a pair of vertically disposed hangers carried by said arms and connected to said frame, and resilient means for applying a downwardly acting force against the higher side of said frame when the latter tilts laterally relative to said tractor, the reaction to said force being applied through said unitary structure to raise the lower side of said frame.

2,140,145
ANTENNA SYSTEM
Ernest J. Sterba, Asbury Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 16, 1935, Serial No. 36,446
10 Claims. (Cl. 250—33)



3. A radiating system comprising a first V-shaped vertically arranged radiating member, approximately one-half wave-length on a side, a second V-shaped radiating member, approximately one-half wave-length on a side arranged in the same vertical plane as said first member, the opening of said first member facing the opening of said second member, a source of radio frequency current and means for supplying from both terminals of said source in-phase currents to the extremities of each member, the currents supplied to the terminals of one member being in opposite phase with respect to the currents supplied to the other member, whereby the member sides extending in parallel directions are energized in phase and only a horizontally polarized field is effectively radiated.

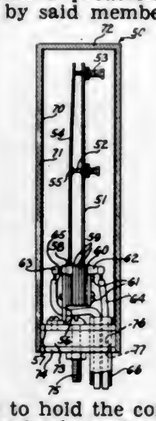
2,140,146
BROACH
Herbert E. Tautz, Milwaukee, Wis.
Application November 7, 1936, Serial No. 109,699
6 Claims. (Cl. 29—95.1)



1. A broach for cutting an extended cylindrical surface, comprising a broach body having a helically arranged row of steep-sided cutting teeth, the outer cutting edges of which lie in a common cylindrical surface, the side cutting edge of each tooth being approximately at right angles to the outer cutting edges.

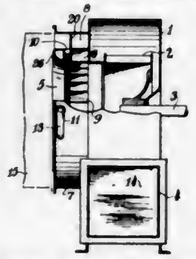
2,140,147
ELECTRICAL CONTROL DEVICE
Harold H. Vroom, St. Lambert, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 2, 1936, Serial No. 99,046
9 Claims. (Cl. 200—138)

1. A thermostat including a heat responsive element, an electrical contact carried by said element, a member mounted adjacent said element, an electrical contact supported by said member in a position to be engaged by the contact on the heat responsive element when the temperature of the atmosphere surrounding the element is within a predetermined range, and means carried by said member for engagement



by the element to hold the contacts apart when the temperature is above the said range.

2,140,148
CONTROL OF CENTRIFUGAL FANS, PUMPS, AND THE LIKE
John Whitmore, Belfast, Ireland, assignor to Davidson & Company, Limited, Belfast, Ireland
Application October 14, 1936, Serial No. 105,484
In Great Britain October 30, 1935
20 Claims. (Cl. 230—114)

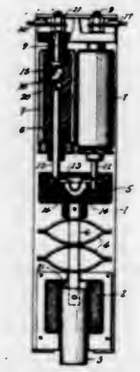


1. A centrifugal fan or the like comprising an impeller, a main air inlet adapted to pass a main air supply axially toward the impeller, a secondary inlet adapted to pass a secondary air supply substantially tangentially into a peripheral area within said main air inlet at a point removed from the impeller whereby to impart vortical movement to the said main air supply in a desired direction prior to said main air supply's entry into the impeller.

2,140,149
SWITCH
Armais Arutunoff, Bartlesville, Okla., assignor to Reda Pump Company, Bartlesville, Okla., a corporation of Delaware
Application April 10, 1936, Serial No. 73,692
5 Claims. (Cl. 200—111)

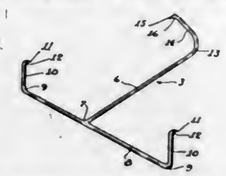
5. In a magnetically operated switch having stationary and movable contacts positioned in a pressure chamber, a conducting ball within the pressure chamber disposed between said stationary and movable contacts, actuating mechanism for the movable contact including a solenoid of predetermined pressure range, the contacts being adapted to separate to such a degree that the actuating means is moved beyond the operating range of the solenoid, said pressure chamber being provided with a seat, said ball being adapted to lodge upon said seat for retaining

gases formed by arcing incidental to the breaking of the circuit whereby to extinguish the arc, means to return the actuating means to a posi-



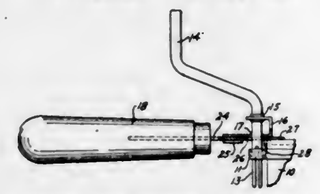
tion within the range of the solenoid, and means responsive to the pressure of gases formed by arcing for retarding the return of the actuating means to circuit making position.

2,140,150
CARCASS TREATMENT MEANS
Leon L. Cadwell, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application October 11, 1937, Serial No. 168,488
8 Claims. (Cl. 17—44)



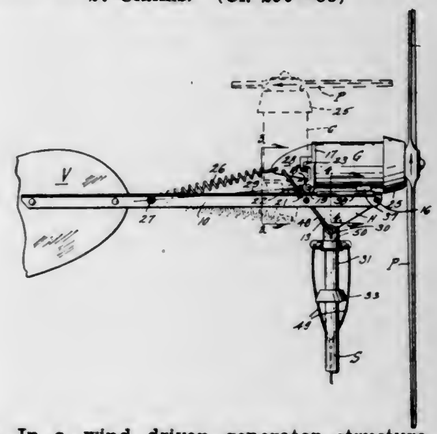
1. In a device for the treatment of animal carcasses, means for securing the neck and foreshanks in relatively retracted position comprising a substantially T-shaped three-point hook member.

2,140,151
DEVICE FOR OPENING CANS
Harry L. Dazey, Clayton, Mo., assignor to Dazey Churn & Manufacturing Co., St. Louis, Mo., a corporation of Missouri
Application March 27, 1935, Serial No. 13,212
17 Claims. (Cl. 220—52)



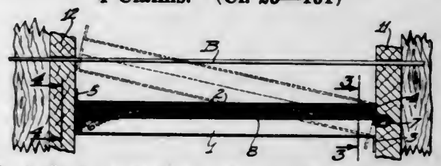
1. A portable can opener, including a handle member, elements extending laterally from one end thereof for engaging the side of a can between the lateral limits thereof and for guiding the device around the can, a crank rotatably mounted on the handle member, means on the crank for engaging a rip strip on the can for unwrapping the same to open the can when the crank is rotated.

2,140,152
WIND DRIVEN GENERATOR STRUCTURE
William G. Dunn, Clarinda, Iowa
Application February 21, 1938, Serial No. 191,715
27 Claims. (Cl. 290—55)



1. In a wind driven generator structure, a frame pivoted on a vertical axis, a vane for normally maintaining said frame in one direction relative to the wind, a propeller journaled on a horizontal axis and pivotally mounted on a second horizontal axis relative to said frame, said horizontal axes being at right angles relative to each other, a generator driven by said propeller and means biasing said propeller axis to remain horizontal but permitting movement thereof from horizontal toward a vertical position against such biasing tendency upon excess wind pressure against the propeller, said horizontal axis of said propeller being in alignment with said vertical axis and said second horizontal axis being rearward of said vertical axis.

2,140,153
FORM SPREADER
Wallace A. Ferris, Los Angeles, Calif.
Application May 8, 1935, Serial No. 20,385
4 Claims. (Cl. 25—131)

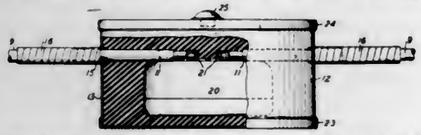


1. A form spreader, comprising a thin metal strip of angular cross-section to provide two longitudinal flanges set at right angles to each other, the opposite ends of one flange being bent in opposite lateral directions to form ears and the opposite ends of the other flange being also bent in the opposite lateral directions to form ears but opposed to the ears on the first flange, said strip having a prong extending beyond the ears at one end and in line with the vertex formed by the two flanges.

2,140,154
INDUCTIVE DEVICE
Ralph M. C. Greenidge, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 8, 1936, Serial No. 78,583
2 Claims. (Cl. 178—46)

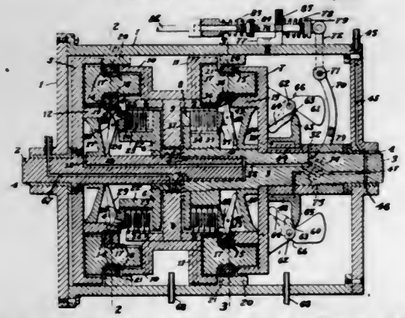
1. A loaded communication cable comprising a

rubber covered conductor cable open for insertion of a loading coil assembly, an outer housing for holding the loading coil, perforations in the opposite side walls of the outer housing entered by the cable ends, a lip turned inwardly at each perforation forming an embossed reinforcement at each perforation, a metallic sleeve telescoped over the ends of each cable section with a portion of cable projecting from the sleeve and with the sleeve rolled down tightly on to the cable, a metallic joint between each sleeve and the adjacent



lip reinforcing the perforation in the side of the housing, a metallic loading coil casing disposed substantially centrally within the outer casing, a rigid connection between the inwardly disposed loading coil casing and each sleeve, a loading unit within the casing, lead wires from the terminals of the loading unit extending outwardly of the casing and sealed thereinto to prevent entry of moisture within the casing, and connections between the conductors of the respective cable ends and the proper lead wires from the loading coil.

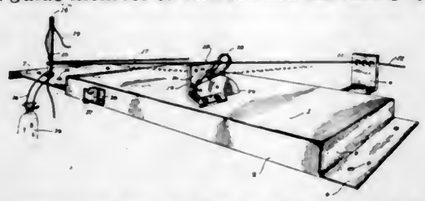
2,140,155
CHANGE SPEED DEVICE
Jesse W. Hale, Newton Center, Mass.
Application July 23, 1936, Serial No. 92,083
17 Claims. (Cl. 74—260)



1. In a change speed device, a drive shaft, a driven shaft, and an intermediate rotatable member, idler assemblies connecting said member to said shafts, means to hold said assemblies against retrograde rotation, a clutch adapted to interlock said member and said driven shaft, a clutch adapted to interlock said member and said drive shaft, and means to effect engagement of said clutches.

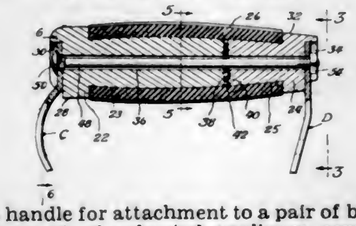
2,140,156
TYING DEVICE
Robert A. Harschnek, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application December 17, 1936, Serial No. 116,405
2 Claims. (Cl. 226—129)

1. A string measuring, cutting and tying device comprising a base, a string holder and guide member secured to the base, a tying and measuring post secured to the base in fixed spaced relationship with the string holder and guide member, and a cutter secured to the base intermediate the string holder and guide member and the tying and measuring post, the string holder and guide member, the measuring and tying post and the cutter being secured one relative to the other in a substantially straight line whereby a main strand of string may be drawn from the string holder and guide member to and around the string tying



and measuring post and back to the cutter to form a measured loop of string, and whereby the measured loop of string may be severed from the main strand of string with the two ends of the measured loop of string brought together for tying.

2,140,157
HANDLE
Russell I. Huffman, Dover, Ohio, assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application March 21, 1938, Serial No. 197,049
4 Claims. (Cl. 38—90)

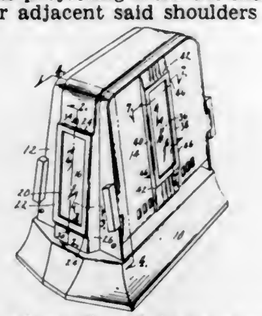


1. A handle for attachment to a pair of brackets forming part of a heated appliance comprising a core of heat resistant material made up of two complementary parts positioned end to end, the free end of each part being adapted to the reception of said brackets, a grip adapted to encircle the core intermediate the free ends to enclose the space between the adjacent ends of said parts, a disk element having engaging means on the opposite faces thereof adapted to be forced into engagement with the adjacent end faces of said parts, and a bolt like element for forcibly drawing the brackets and said parts together to force engagement of said parts with the disk to prevent relative rotation therebetween.

2,140,158
ELECTRICAL APPLIANCE
Andrew S. Knapp, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application January 17, 1936, Serial No. 59,586
2 Claims. (Cl. 220—82)

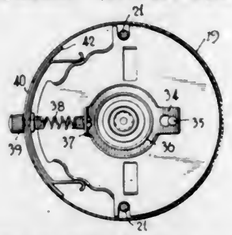
1. In an electrical appliance, a relatively flat, rectangular sheet metal wall member having an outwardly deformed portion narrower than the width of the wall member and spanning the wall member, the sides of said portion thereby defining shoulders, said outwardly deformed portion having an opening therein, a transparent element spanning said opening, the edge of said portion adjacent the ends of said opening being depressed toward the wall member to provide other shoulders which in conjunction with said first shoulders substantially confine the edges of said transparent element against movement in the plane of said wall member and a plurality of

spaced means projecting from the inside of said wall member adjacent said shoulders and over-



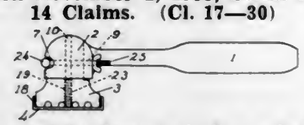
lapping the edges of said transparent element to retain it in assembled position.

2,140,159
ELECTRIC HAND LANTERN
Carl H. Larson, Elkhart, Ind., assignor to The Adlake Company, a corporation of Illinois
Application December 2, 1936, Serial No. 113,783
4 Claims. (Cl. 240—10.63)



2. In an electric hand lantern, in combination, a battery casing having battery connectors, a metallic skirt depending from the casing, a metallic bottom plate carried by the skirt and electrically connected with one of the battery connectors, a rim contact lamp socket carried by and insulated from the bottom plate, a contact connected with the other of the battery connectors for engaging the terminal contact of a bulb carried by the lamp socket, and a switch element electrically engaged with the bottom plate and slidable thereon and including circuit closing means straddling the socket.

2,140,160
MEAT TENDERER
Edward Little, Saginaw, Mich.
Application November 1, 1935, Serial No. 47,859
14 Claims. (Cl. 17—30)



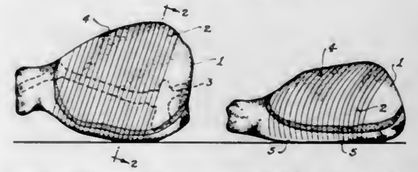
1. In a meat tenderer including a head having parallel slots, and flat blades removably received therein, means for locking the blades in place comprising a horizontal channel formed in the face of the head, a recess in each blade positioned to register with said channel, an upright wall on the head at the rearward end of each slot and opposite the said channel, a horizontal bar received in said channel and in the said recesses of the blades, and means releasably securing the bar in the channel, a spring-pressed stripper plate formed with slots to slidingly receive the blades, an upright guide rod secured to the stripper plate and slidingly received in a hole provided in the head, said rod being formed with abutment shoulders spaced apart, and a detent pin on said horizontal bar adapted to be engaged by said abutment shoulders at the upper and lower limits of travel of said stripper plate.

2,140,161
SULPHURIC ACID TREATMENT OF DEWAXED PETROLEUM STOCKS AT LOW TEMPERATURE
Edward John Martin, East Chicago, Ind., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application November 14, 1934, Serial No. 752,927
9 Claims. (Cl. 196—40)



1. In the manufacture of lubricating oils from wax-bearing petroleum stocks, the improvement which comprises dewaxing the oil, and thereafter treating the dewaxed oil with concentrated sulphuric acid and separating the resulting sludge while maintaining a temperature not substantially exceeding 0° F. during acid addition, acid contact and sludge separation.

2,140,162
MEAT TREATING METHOD
Harry H. McKee, Chicago, Ill., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois
Continuation of application June 6, 1929, Serial No. 368,941. Divided and this application April 1, 1935, Serial No. 14,002. In Canada April 25, 1930
3 Claims. (Cl. 99—107)



1. The method which consists in quickly chilling a fresh carcass portion to such a degree that the exterior part is more or less frozen while the inner part still remains relatively unfrozen, then tempering the said carcass portion as a whole by letting it stand at a higher temperature for a brief period of time sufficient for the temperature to equalize throughout and bring the meat to a predetermined condition of rigidity to facilitate slicing, and then slicing the carcass part by spaced knifelike cuts.

2,140,163
MEAT COOKING

Harry H. McKee, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

No Drawing. Original application May 6, 1933, Serial No. 669,675. Divided and this application April 12, 1935, Serial No. 15,983
3 Claims. (Cl. 99—107)

1. The method of cooking meat which comprises placing the meat in a container under pressure, the cover of said container being positioned below the top of the sides thereof and provided with a space between the cover and sides whereby juices may rise above said cover, subjecting the meat while in said container to the action of heat, smoke and steam whereby natural juices of the meat cook out and come up above the cover, absorb smoke flavor to be carried down into the meat during the smoking and cooking process, cooking until the meat is thoroughly cooked and thereafter chilling and permitting reabsorption of juice by the meat.

2. As a new article of manufacture, a product prepared in accordance with the method of claim 1.

2,140,164
HOOK COUPLING

William H. Moffatt, Bergen County, N. J., assignor to Robert M. Kristal, New York, N. Y.

Application December 24, 1937, Serial No. 181,525
3 Claims. (Cl. 24—198)

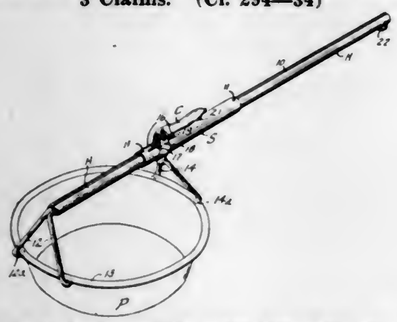


2. A hook coupling comprising a hook portion and a loop portion joined by a common wall, said loop portion having a slot with both ends closed, said hook portion having a slot open at one end, said common wall having a passageway substantially midway between its ends and communicating with said loops, said passageway dividing said common wall into two sections, one section of which having sides diverging towards said passageway and having a rounded corner at said passageway the other of said sections having a rounded corner diagonally opposite said first-mentioned section, said corners facilitating guidance of a looped part through said passageway into said loop portion.

2,140,165
DETACHABLE HANDLE

Albert F. Plitt, Canton, Ohio

Application June 9, 1937, Serial No. 147,261
3 Claims. (Cl. 294—34)

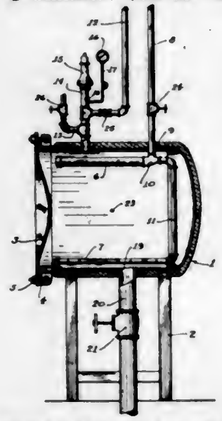


1. In a device of the class described, an elongated handle element, a tubular member slidable thereon, hook arms extending from one end of said elongated handle element and from said tubular member for supporting engagement with opposite sides of a cooking utensil or the like and a cam biased to engage with a segment of said tubular member to lock the tubuular member relative to the elongated handle element.

2,140,166
TREATMENT OF SAUSAGES

Rex W. Reeve, Palos Park, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

Application December 23, 1936, Serial No. 117,404
4 Claims. (Cl. 99—175)

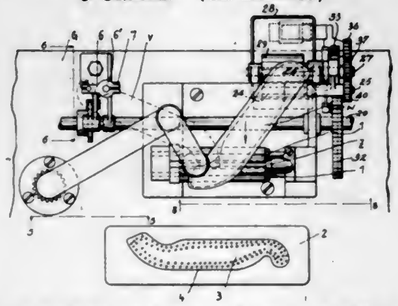


1. The method of tendering casings on sausages which comprises mechanically partially rupturing the tissue of the casing membrane by treatment with an expansible fluid.

2,140,167
MANUFACTURE OF CIGARS

Constantin Friedrich Röber, Dresden, Germany, assignor to "Universelle" Cigarettenmaschinenfabrik J. C. Mueller & Co., Dresden, Germany

Application March 18, 1936, Serial No. 69,443
In Germany March 21, 1935
9 Claims. (Cl. 131—49)



2. In a cigar making machine, means for shaping the wrapper, a slotting means for the flag end of the wrapper, suction means for conveying the shaped wrapper to a position for engagement with said slotting means, and means for applying an adhesive to the flag end of the wrapper.

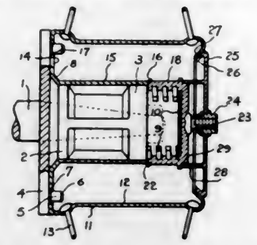
2,140,168
WHEEL

Henry Lasenby Rose, Victoria, British Columbia, Canada

Application November 2, 1936, Serial No. 108,794
In Canada November 22, 1935
3 Claims. (Cl. 301—9)

1. A quick detachable wheel comprising a hub sleeve having at its outer end a breech block

thread, a wheel shell having a sleeve adapted to slidably engage the hub sleeve, means for preventing rotation of the shell sleeve upon the hub sleeve, a cap nut adapted to engage the breech

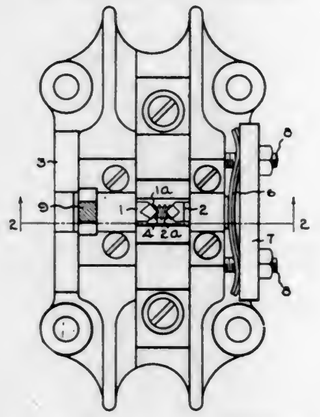


block thread and bind against said shell sleeve, and means threadedly engaging the cap nut for frictionally engaging the periphery of the shell and for locking the cap nut against rotation.

2,140,169
WIRE-SEVERING MECHANISM

Alfred L. Rosenmund, Rockaway, N. J., assignor to Stapling Machines Co., a corporation of Delaware

Application January 9, 1936, Serial No. 58,279
22 Claims. (Cl. 140—145)



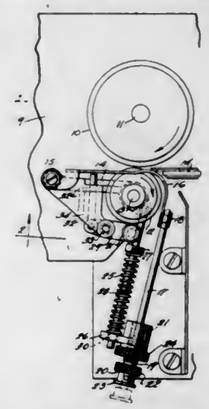
1. In a machine for manipulating a flexible binder secured to a box part to form and perpetuate a bight on the binder, mechanism for severing the flexible binder comprising a pair of cutting members, means yieldingly to hold them in spaced relationship to receive the flexible binder between them, means to move one member toward the other and through pressure of the first member to move the second member in the same direction, and means yieldingly to resist said movement of the second member.

2,140,170
SEPARATOR ROLLER WEAR COMPENSATOR

Francis J. Rouan, Stamford, Conn., assignor to Pitney-Bowes Postage Meter Co., Stamford, Conn., a corporation of Delaware

Application February 25, 1938, Serial No. 192,586
5 Claims. (Cl. 271—39)

1. In a mail handling machine, the combination with a letter feed roller having a relatively fixed support means and a separator roller having a wearable surface and a movable support means; of means to adjust the position of the separator roller with relation to the feed roller; including a movable guard member, means to urge one end of the guard member and separator roller support in the direction of the feed roller, means to limit the movement of the guard member in the direction of the feed roller, a compensating member engaging the periphery of the separator roller at a position substantially oppo-

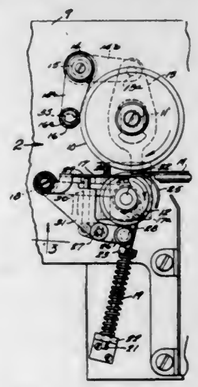


site the mail engaging surface thereof, and a movable support for said compensating member having a portion thereof maintained in engagement with said guard member, whereby a decrease in the diameter of the separator roller, due to wear, will effect a proportionate change in the position of the separator roller support and consequently said separator roller to compensate for the wear of said separator roller.

2,140,171
FEED AND SEPARATOR ROLLER WEAR COMPENSATOR

Francis J. Rouan, Stamford, Conn., assignor to Pitney-Bowes Postage Meter Co., Stamford, Conn., a corporation of Delaware

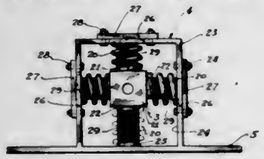
Application February 26, 1938, Serial No. 192,687
12 Claims. (Cl. 271—39)



1. In a mail handling machine, the combination with a letter feed roller having a wearable surface, and a separator roller having a wearable surface and maintained at a normal predetermined spaced relation to said letter feed roller; of compensating mechanisms including means movable proportionately to the wear of each of

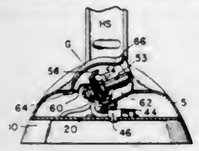
said rollers, and devices controlled by said movable means for adjusting the relative position of said rollers in accordance with the wear thereof to constantly maintain substantially the predetermined spaced relation between said rollers.

2,140,172
VIBRATING SCREEN
Donald R. Royer, Agricola, Fla., assignor, by mesne assignments, to Swift and Company, Chicago, Ill., a corporation of Illinois
Application July 8, 1937, Serial No. 152,654
2 Claims. (Cl. 209—415)



1. In a vibrating screen including means for providing vibratory movement to the screen, means movably mounting the screen on a supporting base comprising opposed bearing members comprising a bearing block mounted on the screen frame and a housing mounted on the base and surrounding the bearing block, a plurality of coil springs connecting the bearing block with the housing, and a solid core of resilient material mounted within the coil of each of the springs, each of the cores of resilient material being mounted on one of the bearing members and terminating slightly short of the other bearing member.

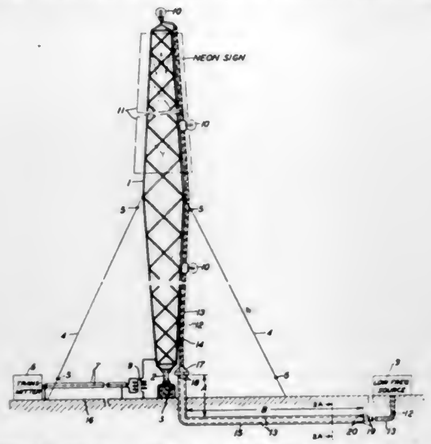
2,140,173
SADIRON CONSTRUCTION
Howard A. Smith, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application January 12, 1937, Serial No. 120,217
16 Claims. (Cl. 219—25)



1. In a sadiron construction, a sole plate, a shell therefor, a handle extending upwardly from said shell, terminals mounted on said sole plate back of said handle and extending sidewise from said shell to coact with a connector plug, portions of the upper wall of said shell being adapted to form an elongated opening within which said terminals extend.

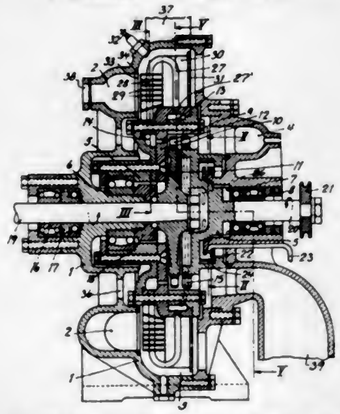
2,140,174
ANTENNA ACCESSORY
Phillip H. Smith, Rainbow Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 16, 1936, Serial No. 74,693
7 Claims. (Cl. 250—33)

1. In combination, an antenna, a conductor connecting said antenna directly to the earth, and means for preventing the flow of energy of the antenna operating frequency through said conductor to the earth, said means comprising a tubular conductor enclosing a portion of said first-mentioned conductor and having a length equal to a quarter wave-length or an odd multiple thereof at said frequency, the extremity of said tubular conductor electrically remote from said



antenna being directly connected to said first-mentioned conductor.

2,140,175
ROTARY BOILER AND HEAT-EXCHANGING APPARATUS
Josef Starziczny, Copenhagen, Denmark
Application January 21, 1936, Serial No. 60,029
In Great Britain January 23, 1935
7 Claims. (Cl. 60—108)

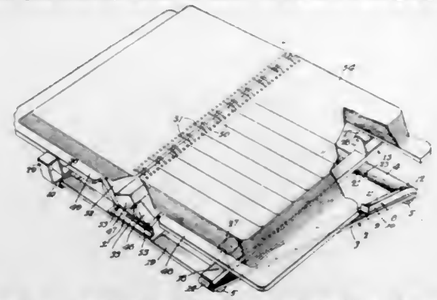


1. In a steam or vapor generator including, a rotatable member having a plurality of U-shaped tubes for evaporating water or other fluid by means of heat applied to the same, there being means for heating said tubes, the combination of an atomizing device mounted at the inlet end forming the first leg of each tube for atomizing the fluid to be evaporated as the fluid enters the tube in order to prevent solid fluid from entering said tube and initiate immediate evaporation in said first leg of said tube.

2,140,176
REFERENCE STAND
Paul O. Unger, Glen Ellyn, Ill., assignor to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Application April 24, 1936, Serial No. 76,094
4 Claims. (Cl. 129—1)

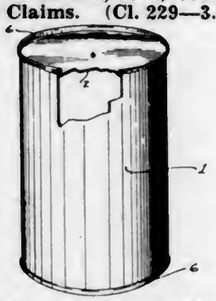
2. In a reference stand, a platform, a fixed bracket secured to one end of said platform, and

a pivoted bracket secured to the opposite end of said platform, each of said brackets being aper-



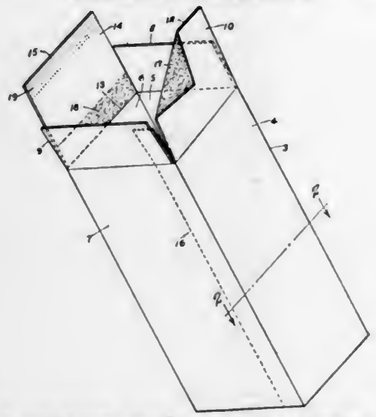
tured to receive projections extending from a binder, whereby said binder may be securely retained upon said platform.

2,140,177
CONTAINER
Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application December 3, 1937, Serial No. 177,991
12 Claims. (Cl. 229—3.1)



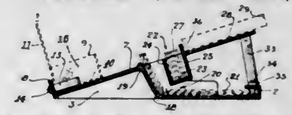
1. In a container including a fibrous body and end closures, a bead of congealable plastic material relatively hard and elastic at temperatures approximately 185° F. and below bonded to the outer end edges of the container, the bead being extended against the outer body wall of the container.

2,140,178
SEALED CARTON AND METHOD OF MANUFACTURE
Albert Wesselman, Cincinnati, Ohio
Application July 11, 1935, Serial No. 30,886
6 Claims. (Cl. 229—43)



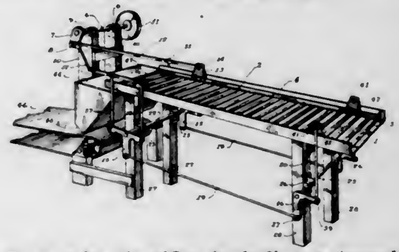
1. A container constructed of a sheet of material formed to provide sides and a series of foldable closure flaps, at least two of which flaps are initially turned inwardly and exposed to the interior of the container, leaving small cracks along certain margins of the turned flaps, an intermediate flap turned upon said initially turned flaps and having applied thereto a non-drying substantially odorless adhesive of heavy body character for plugging the cracks along said margins of the initially turned flaps, and an outer flap overlying the intermediate flap and secured thereto by means of a highly volatile quick-setting adhesive.

2,140,179
CARTON PACKING FIXTURE
John K. Wickliffe, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application December 19, 1936, Serial No. 116,841
3 Claims. (Cl. 226—129)



1. In a packing fixture including a bottom, a rear wall, and side walls extended forwardly of the bottom, the side walls at their top edges being inclined downwardly toward their forward end edges, a carton supporting base provided with a carton retaining ledge fixedly secured between the side walls and adjacent the forward ends thereof, a resilient clamp extending from each of the end edges of the carton retaining ledge and in substantially parallel relationship with the carton supporting base for securing a carton relative to the base and ledge, an opening between the side walls and to the rear of the carton supporting base providing a carton liner retaining compartment, the carton liner retaining compartment being extended adjacent the bottom rearwardly to the rear wall, a carton divider compartment secured rearwardly of the opening and above the carton liner retaining compartment as it extends adjacent the bottom, and a product supporting platform secured rearwardly of the carton divider compartment.

2,140,180
CLASSIFIER
David M. Wright, Agricola, Fla., assignor, by mesne assignments, to Swift and Company, Chicago, Ill., a corporation of Illinois
Application March 15, 1937, Serial No. 131,029
3 Claims. (Cl. 209—462)



1. In a rake classifier including a trough and a rake movably mounted in said trough, means for reciprocating and for raising and lowering the rake relative to said trough comprising a bell crank pivotally mounted at one end of the trough, a T-crank pivotally mounted at its intersection at the opposite end of the trough, a link connecting corresponding arms of the bell crank and

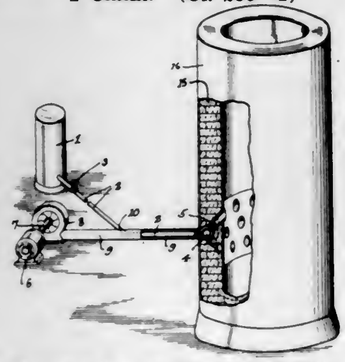
the T-crank, links separately connecting the remaining corresponding arms of the bell crank and the T-crank with the rake, a crank shaft, a pitman connecting the crank shaft with the rake at the point of connection of the link connecting the T-crank with the rake and a link parallel to the last-mentioned link connecting the remaining arm of the T-crank with the pitman.

2,140,181

FURNACE FOR MELTING METAL

John W. Bangle, Statesville, N. C., assignor of one-half to The Holiness Church of El Monte, Calif., one-fourth to Charlie A. Boeck and Pearl L. Boeck, and one-fourth to Mary A. Bangle, all of Los Angeles, Calif.

Application February 18, 1938, Serial No. 191,307
1 Claim. (Cl. 266—1)



In a furnace for melting metal, the combination of a furnace having a suitable fire-resisting lining such as brick or clay; a fuel tank; a valve-controlled pipe leading from said tank; a circular fuel conduit mounted in the fire resisting lining of the furnace and with which said fuel pipe communicates; a multiplicity of fuel nozzles radiating upwardly, linearly, and downwardly, in succession from said circular pipe; an air pipe also leading into the furnace and of greater diameter than and encircling a short portion of the fuel pipe; a circular air conduit of greater diameter than and encircling the aforesaid circular fuel conduit; and a multiplicity of air nozzles enclosing and of greater diameter than the corresponding fuel nozzles and correspondingly radiating upwardly, linearly, and downwardly in succession from the aforesaid circular air condut; and a blower connected with and adapted to force air through said air conduit and air nozzles, whereby to produce a hot flame, and to obtain metal free from cinders or flaws.

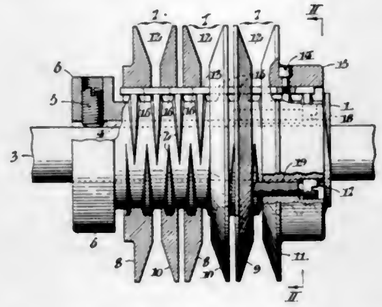
2,140,182

VARIABLE-PITCH PULLEY

Russell H. Bowen, Philadelphia, Pa., assignor to The American Pulley Company, Philadelphia, Pa., a corporation of Pennsylvania

Application December 12, 1936, Serial No. 115,498
3 Claims. (Cl. 74—230.17)

1. A variable-pitch diameter groove pulley comprising a hub member with external opposing duplex threads, groove-forming side components having internal threads in engagement with the hub member threads, means holding all of said components in definite common relation circumferentially with capacity for simultaneous turning in one direction or the other to effect axial adjustment towards and away from each other, and means for locking the groove-forming components including reactive stop screws, one of which threadedly engages through one of the side components into abutment with the companion component, and the other screw passes



freely through the first mentioned component into threaded engagement with the second named component, whereby all of the groove forming components are positively arrested against relative movement.

2,140,183

METHOD OF TREATING WELLS

Fritz Bresler, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application July 3, 1936, Serial No. 88,832
8 Claims. (Cl. 166—21)

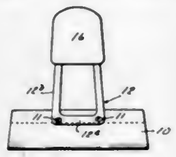
1. In the process of increasing the production of a well by disintegrating difficultly soluble deposits of calcium sulfate, the steps of introducing into the well a liquid solution comprising a salt capable of forming with said deposits a sulfate less soluble in the liquid solution than calcium sulfate, forcing said solution into the formation, allowing said deposits to disintegrate as the result of reaction with said salt, and withdrawing the solution and the disintegrated matter from the well.

2,140,184

PERMANENT WAVING DEVICE

George Decker, Cincinnati, Ohio, assignor to Adolph Kietz, Bellevue, Wash., and Phil D. Spaeth, Cincinnati, Ohio

Application December 3, 1936, Serial No. 114,029
6 Claims. (Cl. 132—36)



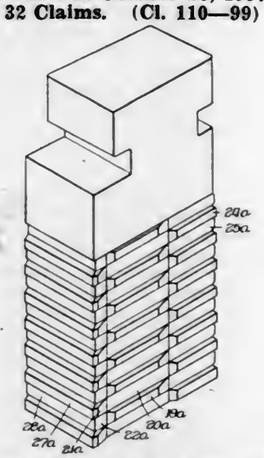
1. A heat storage type of heater adapted to be applied transversely to a curl to be heated and comprising a pair of elongated, heat retaining and heat conducting jaws, each being substantially semi-crescent shaped in cross section, each of said jaws being carried by one of a pair of arms, said arms being attached to the thick edges of said jaws, pivoted together and spring pressed to urge said jaws toward each other and heat insulating grips carried by said arms and adapted to be grasped by an operator for separating said jaws when the device is to be applied to a curl.

2,140,185

FURNACE CONSTRUCTION

Louis H. Hosbein, Glencoe, Ill., assignor to M. H. Detrick Company, Chicago, Ill., a corporation of Delaware

Application October 8, 1934, Serial No. 747,317
Renewed October 26, 1937
32 Claims. (Cl. 110—99)



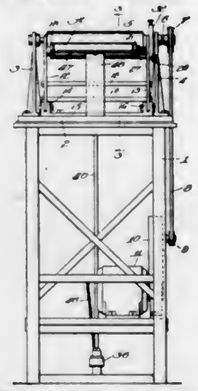
1. A furnace arch structure comprising a plurality of refractory tiles each having a face formed with seats and projections in alternate arrangement both longitudinally and transversely thereof, said tiles being suspended by their upper ends in collateral and staggered relationship with said faces in approximately vertical position and with projections of respective tiles in seats of two other tiles which overlap the same side thereof.

2,140,186

MACHINE FOR ATTACHING DECALCOMANIA FILMS ABOUT CYLINDRICAL OBJECTS

Alvin O. Johnson, Chicago, Ill., assignor to The Meyercord Company, a corporation of Illinois

Application February 7, 1938, Serial No. 189,093
5 Claims. (Cl. 41—1)



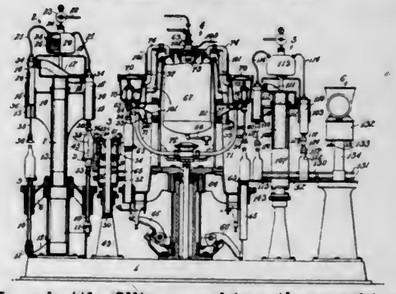
5. In a machine of the character described, a holder having two parallel arms, two axially aligned, separated work-engaging elements rotatably mounted on said arms, the mounting for one of said elements being such that that element may move axially into and out of engagement with a piece of work, a spring acting on the said shiftable element in a direction to move it away from its supporting arm into work-engaging position, a shifting device engaged with said shiftable element and having a stem extending parallel with the axis of rotation of said elements through the corresponding arm of the holder, a head on the stem outwardly from the latter arm, and an operating means for said shifting device including a wedge device slidable lengthwise of the latter arm underneath said head and straddling said stem.

2,140,187

BOTTLE FILLING AND GASSING MACHINE

James Kantor, Chicago, Ill., assignor to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware

Application May 10, 1935, Serial No. 20,725
6 Claims. (Cl. 226—68)



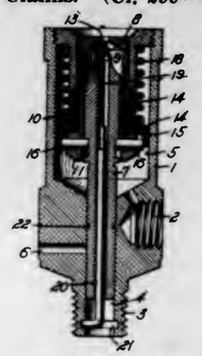
1. In a bottle filling machine, the combination with means for initially filling the bottle with an inert gas to expel the air therefrom, of means for filling the bottle nearly full with a beverage, means for transferring the bottle from said initial filling means to said beverage filling means, means for sealing the bottle during its transition by said transfer means from the initial gas filling means to the beverage filling means, means for introducing a quantity of inert gas into the bottle above the beverage after it leaves the beverage filling means, means for transferring said bottle from the beverage filling means to said introducing means, means for applying a sealing crown to said bottle and means for transferring the bottle from said introducing means to said crown applying means.

2,140,188

ATOMIZER HEAD

Harry M. Marsh, Hamilton, Ontario, Canada, assignor to The Bahnson Company, Winston-Salem, N. C., a corporation of North Carolina

Application April 14, 1938, Serial No. 202,115
In Canada October 6, 1937
10 Claims. (Cl. 299—59)



1. In an atomizer head, the combination of a

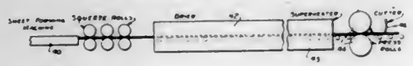
casing having inlets for two fluids, a nozzle sleeve longitudinally slidable in the casing and having a fluid outlet opening at its outer end; a second nozzle sleeve longitudinaly slidable in the first-mentioned sleeve, the second nozzle sleeve being adapted to enter the opening of the first-mentioned nozzle sleeve to define an annular outlet, and a stationary cleaning rod secured to the casing and extending longitudinally within the second-mentioned nozzle sleeve, the two sleeves being movable relative to one another and to the cleaning rod from an operative position to a position in which the cleaning rod clears the inner nozzle and the inner nozzle projects through and clears the outer.

2,140,189

MOMENTARY-PRESSURE PROCESS OF MAKING LIGNO-CELLULOSE PRODUCTS

William H. Mason, Laurel, Miss., assignor to Masonite Corporation, Laurel, Miss., a corporation of Delaware

Application October 9, 1936, Serial No. 104,780
14 Claims. (Cl. 92—39)



1. Process of making dense hardboard sheet products, which consists in the steps of subjecting fibrous wood or woody ligno-cellulose material, which contains the natural fiber incrustation, in relatively small pieces, to a heat-treatment at a temperature over 225° C. in presence of moisture at a pressure over 350 pounds per square inch and then disintegrating the material, regulating the time of heat-treatment and the extent of disintegration to convert the material into predominantly plastic state with some content of water-solubles and with part of the ligno-cellulose material substantially without fibrous structure while enough of the fibrous structure is left to enable felting the material into a wetlap sheet from water, then forming a pulp of the material with water and felting into sheet form from the water whereby the content of water-solubles is substantially reduced, then completely drying the sheet and additionally heating the dried sheet to a temperature over 150° C., and then making substantially momentary application to the sheet in its completely dry and further heated state of compacting pressure sufficient to consolidate the sheet into a dense hardboard product of about 1–1.25 specific gravity.

2,140,190

AUTOMOTIVE AXLE CONSTRUCTION

Robert M. Riblet, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application April 2, 1937, Serial No. 134,613
6 Claims. (Cl. 74—311)



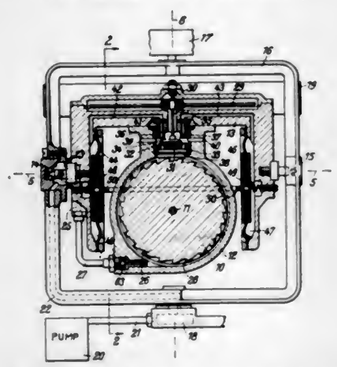
1. In an automotive axle construction of the kind described, an axle housing having therein similar axle shafts, a differential mechanism connecting said axle shafts and taper roller bearings for the hubs of the differential mechanism and other taper roller bearings for the outer end portions of the axle shafts, the inner end portions of said axle shafts projecting through the respective side gears of the differential mechanism and having removable means on their projecting portions abutting against the inner ends of said side gears, the inner ends of said axle shafts being spaced apart and the space next to the inner end of each axle shaft being unobstructed, the rollers of each axle shaft bearing and of the adjacent hub bearing tapering toward each other, said differential mechanism comprising a housing with a hole therein through which said removable means is accessible for removal without dismantling any portion of the differential mechanism.

2,140,191

GYROMAGNETIC COMPASS

Hans Schuchardt and Gert Zoege von Manteuffel, Berlin, Germany, assignors to Askania-Werke A. G., a corporation of Germany

Application February 4, 1938, Serial No. 188,750
19 Claims. (Cl. 33—222)



1. In a gyro-magnetic compass a gyro rotor support mounted for movement about a first substantially vertical and a second substantially horizontal axis; a gyro rotor mounted thereon for spinning about a third substantially horizontal axis normal to said second axis; a magnetic element mounted for movement in azimuth; first means for exerting on said support relatively weak torques about said second axis; second means for exerting on said support relatively strong torques about said second axis; and control means connected to be actuated upon a relative displacement of said support and element for rendering effective upon small deviations said first torque means while rendering ineffective said second means and for additionally rendering effective said second means upon deviations exceeding a predetermined magnitude, whereby upon deviations exceeding a predetermined magnitude the support is precessed into agreement with said element at an increased rate.

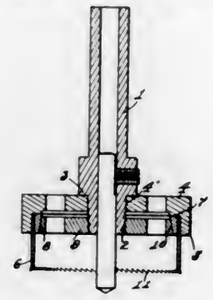
2,140,192

HOLE SAW BLADE

Edward E. Thatcher, Indianapolis, Ind., assignor to E. C. Atkins & Company, Indianapolis, Ind., a corporation of Indiana

Application July 15, 1936, Serial No. 90,655
2 Claims. (Cl. 77—69)

1. A hole saw blade comprising an annular split ring blade having cutting teeth on one edge, one of the adjacent edges of the split ring having a recess and the opposite edge having a tongue arranged to enter said recess to prevent relative displacement between the two adjacent edges of the blade, the side walls of said tongue and recess being substantially parallel to permit the ready insertion and removal of said tongue.

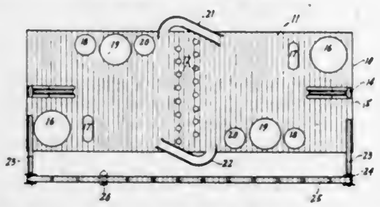


2,140,193

GAME

Galen E. Weinberger, Minneapolis, Minn., assignor to H. F. Woodward and John Markoe, Minneapolis, Minn.

Application May 17, 1937, Serial No. 142,961
7 Claims. (Cl. 273—94)



1. In an indoor football game, the combination of a board marked off in the form of a gridiron with transverse lines thereon, representing given yard increments, pieces arranged on both sides of the central yard line in staggered relation and secured to the board, and end run members secured to the board and extending around the players.

2,140,194

PROCESS FOR THE OXIDATION OF MERCAPTIDES

David Louis Yabroff and John Wilkinson Givens, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application August 19, 1936, Serial No. 96,708
8 Claims. (Cl. 204—9)

1. In a regenerative process of extracting mercaptans from sour hydrocarbon oils containing same with an aqueous alkali hydroxide solution capable of extracting mercaptans, thereby forming water-soluble mercaptides, the improvement comprising treating a sour hydrocarbon oil with said hydroxide solution, whereby a spent alkaline solution of mercaptides is formed, separating the treated hydrocarbon oil from the spent solution, passing a direct electric current of sufficient voltage between electrodes through the solution to oxidize mercaptide ions to water-insoluble disulfides, while maintaining an anodic current density below 10 amps./dm.^{2} and below that at which a substantial portion of the mercaptides is converted to sulfonates, and separating the disulfides from the electrolyzed aqueous solution.

2,140,195

ACOUSTICAL AND FIRE RESISTANT COMPOSITION FIBER INSULATING BOARD

Clements Batcheller, Portsmouth, N. H.

No Drawing. Application March 16, 1934, Serial No. 715,937
5 Claims. (Cl. 106—18)

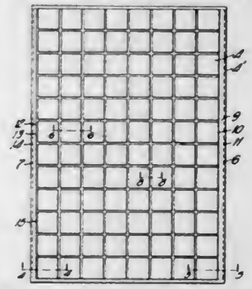
1. Those steps in the method of making a low density, molded porous product of the character described adapted for use as a heat insulating and sound absorbing medium which comprises precoating vegetable fibers with an asphalt emulsion, intermixing bentonite therewith in a quantity at least sufficient to coat the asphalt covered fibers, intermixing mineral fibers with the coated vegetable fibers, intermixing therewith additional quantities of bentonite and asphalt emulsion and water sufficient to form a plastic composition, and thereafter adding and intermixing a sufficent amount of an aerated mixture of asphalt emulsion and size to reduce the composition to a light, fluffy consistency.

2,140,196

METHOD OF MAKING WALL TILE SHEETS

Clements Batcheller, Glens Falls, N. Y.

Application July 6, 1935, Serial No. 30,194
12 Claims. (Cl. 18—60)



1. Those steps in the method of making a wall-tile sheet which comprise forming a backing for said sheet from a suitable plastic composition, covering the zones separating the tile units to be formed on said sheet with a mask comprising two separable layers of material, forcing said mask into said plastic backing by the application of moderate pressure until the surface thereof is substantially flush with the surface of said plastic backing, applying to said masked backing, while plastic, the material constituting the face of said tile and concreting it with said backing by the application of substantial pressure, removing one of the layers of said mask and subjecting the sheet to a curing treatment, and thereafter subjecting the sheet to a surface finishing treatment before removing the balance of the mask.

2,140,197

SYNTHETIC MARBLE SHEET AND PROCESS OF FORMING SAME

Clements Batcheller, Glens Falls, N. Y.

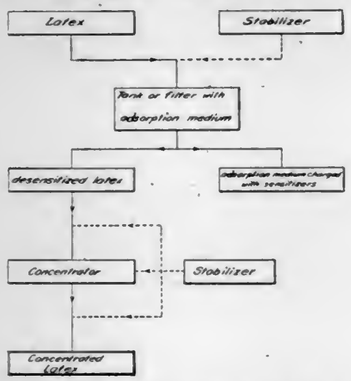
Application July 6, 1935, Serial No. 30,195
15 Claims. (Cl. 18—48.8)



14. Those steps in the making of a sheet product having a face simulating a natural stone which comprise forming a backing from a plastic

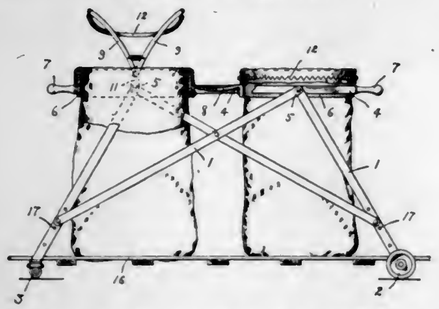
mixture containing hydraulic cement, covering said backing while plastic with a layer of a dry mixture containing fine particles of the stone to be simulated, calcined magnesite and a minor quantity of bentonite, placing face down on said dry layer a pattern of said stone printed in soluble colors; and then subjecting the whole to substantial pressure to effect a concretion of the dry mixture with said plastic backing and an absorption of said printed pattern to a substantial depth by said product.

2,140,198
PROCESS FOR CONCENTRATING RUBBER LATEX
Ernst Benzing and Johannes Jaenicke, Frankfort-on-the-Main, Germany, assignors, by mesne assignments, to Revertex Limited, London, England, a corporation of England
Application November 29, 1935, Serial No. 52,192
In Germany December 5, 1934
2 Claims. (Cl. 18—50)



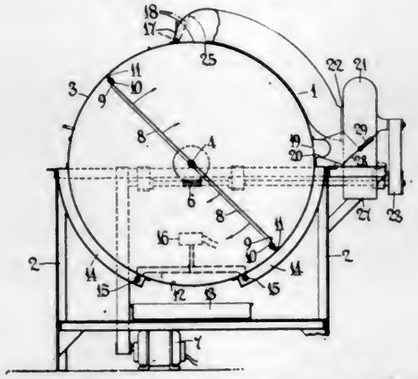
1. A process for producing a relatively stable latex of high concentration which comprises the steps of desensitizing a natural rubber latex by treating it with a medium that will adsorb and remove from the latex a portion of those non-rubber constituents of the latex which render it susceptible toward coagulating influences, and thereafter concentrating the desensitized latex.

2,140,199
BAG HOLDER
Nicholas A. Constantine, Central Lakes, Minn.
Application August 16, 1937, Serial No. 159,273
2 Claims. (Cl. 248—101)



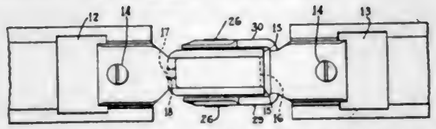
1. A bag holder comprising a chassis, a flat sheet metal annulus supported in the upper portion of said chassis, a pair of spring metal strips pivotally attached adjacent said annulus, resilient means connecting the free ends of said strips, other resilient means connecting said strips adjacent their pivoted ends whereby each pair of said strips and both of said resilient means may encircle said annulus after the open end of a bag has been folded thereover.

2,140,200
FEATHER RENOVATOR
Louis Finkel, Buffalo, N. Y.
Application December 9, 1936, Serial No. 114,995
2 Claims. (Cl. 34—7)



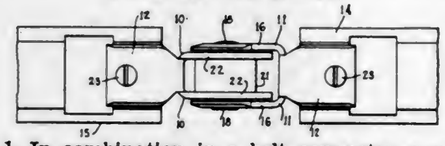
2. A feather renovator comprising a drum, a rotary shaft journaled concentrically therein, a radial arm carried by the shaft and having its outer end formed with an orifice discharging outwardly against the inner periphery of the drum, the forward wall portion of the jet being extended radially to provide a wiper support, and a wiper carried by such support for wiping the inner periphery of the drum in advance of the radially issuing jet of fluid, said orifice being provided with means for communication with a source of fluid.

2,140,201
OIL WELL BELT CONNECTER
Abraham L. Freedlander and Norman J. Ritzert, Dayton, Ohio, assignors to The Dayton Rubber Mfg. Company, Dayton, Ohio, a corporation of Ohio
Application September 28, 1936, Serial No. 102,966
3 Claims. (Cl. 24—33)



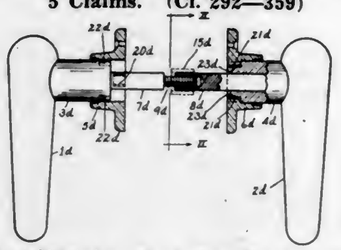
1. In combination in a belt connecter, a pair of belt clamps, one of said clamps having inwardly directed arms provided with aligning holes to receive a tie member, the other of said clamps provided with inwardly directed arms located parallel with the first mentioned arms and having aligning holes of larger diameter than the holes in the said first mentioned arms, and spaced apart to provide an annular lubricant reservoir, a tie member in the holes of said first mentioned arms and interconnecting said arms, a tubular bearing element surrounding the tie member, and a bearing bushing of porous material with a multiplicity of minute passages therein surrounding said bearing element.

2,140,202
FIBER BEARING BELT CONNECTER
Abraham L. Freedlander and Norman J. Ritzert, Dayton, Ohio, assignors to The Dayton Rubber Mfg. Company, Dayton, Ohio, a corporation of Ohio
Application September 28, 1936, Serial No. 102,967
2 Claims. (Cl. 24—33)



1. In combination in a belt connecter, a pair of belt clamps, one of said clamps having inwardly directed arms provided with aligning holes to receive a tie member, the other of said clamps provided with inwardly directed arms located parallel with the first mentioned arms and having aligning holes of larger diameter than the holes in said first mentioned arms, a tie member in the holes of said first mentioned arms and interconnecting said arms, a tubular bearing element of harder material than said tie member surrounding the latter, and a bushing of relatively softer material surrounding said bearing element, said bearing element and bushing being located in the holes of said second mentioned arms whereby a durable bearing is effected between the bearing element and bushing and a cushioning action effected between the members of said connecter.

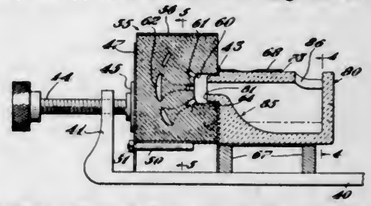
2,140,203
ADJUSTABLE DOOR HANDLE CONSTRUCTION
Carl Christian Gravesen, Roskilde, Denmark, assignor of one-half to Frederick W. Bradley, Pittsburgh, Pa.
Application April 4, 1938, Serial No. 199,827
In Denmark March 3, 1937
5 Claims. (Cl. 292—359)



1. An adjustable door handle assembly for mounting in a lock having a tubular lock element, including four separate members, viz. two handles each having an axial cylindrical portion and an integral stem portion adapted to extend with its end within the bore of the said lock element, and two collars adapted to be slidably mounted on the said cylindrical handle portions and having inward projections, the cylindrical handle portions being provided with longitudinal grooves in which the said projections may engage when the collars are in a certain angular position.

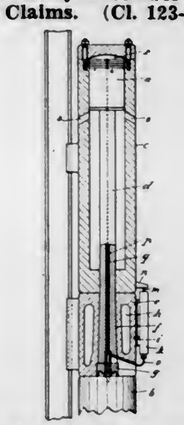
2,140,204
CASTING APPARATUS
Eugene E. Griffin, Providence, R. I.
Application December 2, 1937, Serial No. 177,743
3 Claims. (Cl. 22—65.1)

1. Crucible for a centrifugal casting machine comprising a body of refractory material affording a chamber provided with an outlet spout at one end and communicating with the upper part of the chamber, said spout being located substantially at the top of one end wall of the refractory body, said chamber being closed except



for said spout and for an opening in its upper wall at the end remote from the spout, the inner surface of the lower wall of the chamber having a general inclination upwardly to said spout and extending a substantial fraction of the length of the chamber.

2,140,205
DIESEL ENGINE
Konrad Haage, Esslingen-on-the-Neckar, Germany, assignor to "Deimag" Deutsche Elektromaschinen & Motoren-Bau-Aktiengesellschaft, Esslingen-on-the-Neckar, Germany
Application December 7, 1935, Serial No. 53,337
In Germany December 11, 1934
5 Claims. (Cl. 123—50)

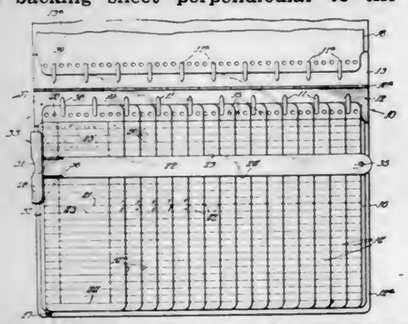


4. A two stroke cycle Diesel engine comprising in combination a cylinder and a piston arranged therein for relative reciprocation, one series of ports provided in said cylinder both for the exhaust of the combustion gases and for the inflow of fresh air, said piston being adapted to control said ports and to perform an additional suction stroke at a value corresponding to the amount of fresh air required, said ports being arranged so as to cause the air currents entering the cylinder to meet at points within said cylinder which are located eccentrically to the cylinder axis.

2,140,206
SLIP ACCOUNTING MEANS
Alfred M. Martin, Park Ridge, Ill.
Application October 5, 1936, Serial No. 103,985
1 Claim. (Cl. 120—33)

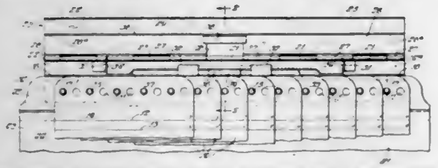
Slip accounting means of the character described for use with rigid mounting means including a series of prongs arranged longitudinally thereon adapted to hold a series of relatively narrow paper slips arranged side by side in partially overlapping relation and having registering

perforations in the ends of the slips through which the prongs are passed, the slips having lines thereon parallel to the row of perforations, comprising in combination a flexible backing sheet of material heavier than the slips also having perforations in one margin for receiving said prongs, said sheet being adapted to have the series of slips superimposed thereon while both backing sheet and slips are engaged by said prongs, a clip slidably engaging one margin of said backing sheet perpendicular to the said



perforated margin thereof, and a narrow strip of material highly flexible transversely of its own plane perpendicularly and rigidly attached to said clip and adapted to overlie said backing sheet and said series of slips, said strip serving as a line guide accommodating itself to the curvature of said series of slips and said backing sheet in a plane parallel to said perforated margin, an edge of said strip being adapted to coincide successively with the lines on said slips by movement of the clip and strip on said backing sheet toward and away from said perforated margin.

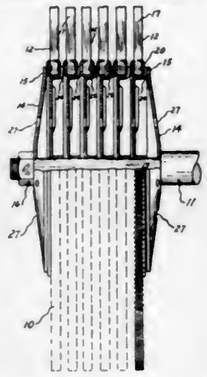
2,140,207
SLIP ACCOUNTING MEANS
Alfred M. Martin, Park Ridge, Ill.
Application October 12, 1936, Serial No. 105,219
9 Claims. (Cl. 129—23)



9. Slip accounting means including a mounting bar, a row of short posts mounted in longitudinal alignment on the bar, an abutment member carried by the bar parallel to said row of posts, and a hinged member on said bar having a part adapted to be swung into position between said row of posts and said abutment and to a depth on said posts immediately adjacent the bases thereof, as and for the purpose described.

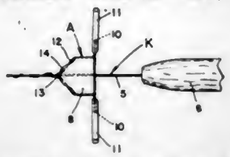
2,140,208
BUFFING WHEEL
Ernest E. Murray, Long Island City, N. Y., assignor, by direct and mesne assignments, of one-fourth to Joseph W. Myers, Philadelphia, Pa., and one-half to L. W. MacFarland, Long Island City, N. Y.
Application March 17, 1934, Serial No. 716,060
Renewed February 3, 1936
23 Claims. (Cl. 51—193)

22. As a new article of manufacture, a buffing disk comprising a relatively thin center portion provided with a central opening, and a relatively thicker annular portion about said center



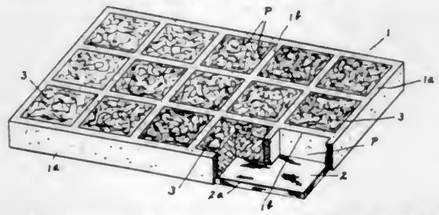
portion and having an annular zone which is provided with one or more passages leading outwardly from said center portion.

2,140,209
KNIFE BLADE CLEANER
Harry Rietveld, Milwaukee, Wis.
Application October 15, 1937, Serial No. 169,213
4 Claims. (Cl. 15—236)



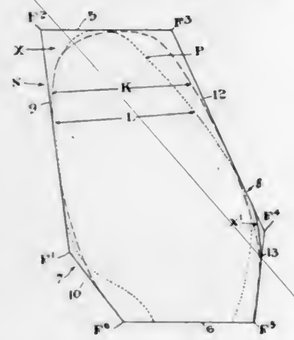
1. An attachment for cleaning knife blades comprising a body including spaced parallel side walls, a connecting top wall, the body being adapted to straddle a knife blade, and forwardly and inwardly extending resilient wings, said wings having cleaning edges normally urged toward one another and into intimate contact simultaneously with the opposite faces of the knife blade by the inherent resiliency of said wings.

2,140,210
ACOUSTIC STRUCTURE
Eduard Schenk, Oakdale, Pa.
Application January 7, 1938, Serial No. 183,838
3 Claims. (Cl. 72—18)



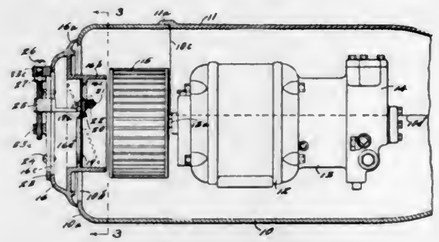
1. An acoustical structure including a rectangular frame having one or more partitions providing within the frame a plurality of pockets, a reticulate flexible sheet of metal integrated with said frame and providing for two or more of said pocket's bottoms that lie in common plane and extend in uninterrupted continuity, bodies of sound-absorbing material included in said pockets, and a foil-coated sheet of dielectric material applied to said reticulate sheet, with the foil-coated surface outward.

2,140,211
TAP SOLE BLANK
Charles G. Shaw, Omemee, Ontario, Canada
Application September 3, 1936, Serial No. 99,198
12 Claims. (Cl. 36—25)



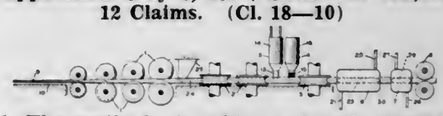
1. A tap sole blank having at least one convex side defined by two angularly related straight edge portions converging to form two unequal sides of a triangle, the base of which lies on and is coextensive with a straight line joining the extremities of the toe and heel edges of the blank on the same side, said blank containing, within its boundaries, the amount of material usually contained in a standard curved tap sole shape plus additional material ordinarily wasted in cutting curved shapes directly from a piece of material.

2,140,212
OIL BURNER AIR CONTROL
Charles G. Sigwald, Minneapolis, Minn.
Application March 15, 1937, Serial No. 130,825
5 Claims. (Cl. 230—114)



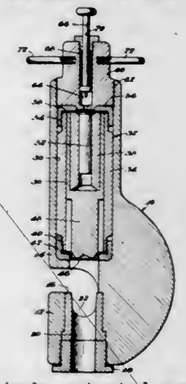
1. An oil burner structure comprising a casing having an opening at its rear end, a cover member for said casing having an inwardly extending open-ended cylindrical portion, a fan in said casing, means for driving said fan to draw air through said cylindrical portion, a disk member swingingly mounted in said cylindrical portion for closing the opening therethrough, said member being adapted to be swung open by operation of said fan, said cover member having a vertically extending opening therethrough, a member adapted to have its inner end engage said disk member to limit opening movement of said disk member and a screw mounted in the outer side of said cover and engaging said last mentioned member to move the same to different positions to variably limit the opening movement of said disk member.

2,140,213
METHOD AND APPARATUS FOR MAKING THERMOPLASTIC TUBING
John B. Tegarty, St. Clair, Mich., assignor to Thermo-Plastics, Inc., St. Clair, Mich., a corporation of Michigan
Application July 7, 1937, Serial No. 152,320
12 Claims. (Cl. 18—10)



1. The method of making a length of tubing from a narrow flat strip of thermoplastic material comprising bending the strip between the marginal edges to form a substantially cylindrical section, the marginal edges being disposed in substantially abutting relation, ironing the marginal edges concurrently to produce straight parallel abutting surfaces, applying a film of solvent to said parallel surfaces, and then compressing the surfaces tightly together to close the tubing.

2,140,214
EXPLOSIVELY ACTUATED TOOL
Robert Temple, Jr., Pittsburgh, Pa.
Application May 11, 1937, Serial No. 141,935
17 Claims. (Cl. 164—56)



1. An explosively actuated apparatus including a barrel, means spaced from but in alignment with the barrel and integral therewith and adapted to receive the material worked, a unit slidably received completely in the barrel, said unit comprising a tube, a breech within the tube adapted to removably receive a blank cartridge, a piston slidably mounted in the tube, a tool carried by the piston, sealing discs of relatively thin metal removably clamped at the ends of the tube, the tool being in shearable engagement with the disc at the work-receiving end of the tube and held against movement thereby, a breech block removably positioned over the end of the barrel opposite the work-receiving means and holding the unit against movement in the barrel, and means associated with the breech block for detonating a blank cartridge carried by the unit.

2,140,215
PROCESS FOR MAKING CUTTING-OIL COMPOUNDS
John E. Wilkey, Lyndhurst, Ohio, assignor to Sea Gull Lubricants, Inc., Cleveland, Ohio, a corporation of Ohio
No Drawing. Application July 2, 1936, Serial No. 88,688
10 Claims. (Cl. 87—9)

3. The method of preparing a cutting oil which

comprises heating a mixture of mineral oil and sulphur to melt the sulphur in the mineral oil, passing chlorine gas through the heated mixture, cooling the mixture, bringing the mixture to a temperature substantially 60 degrees higher than the first named heating, passing air through the mixture to eliminate the excess chlorine, cooling the mixture to normal temperature, and subsequently filtering the cooled liquid to remove the sludges formed during the treating step.

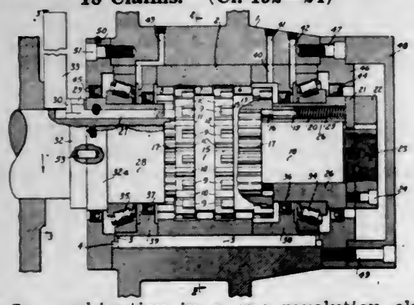
2,140,216

OIL CUSHION SPLINED CLUTCH

Reuben E. Wissman, Minster, Ohio, assignor to The Minster Machine Company, Minster, Ohio, a corporation of Ohio

Application March 3, 1936, Serial No. 66,889

18 Claims. (Cl. 192—24)



2. In combination in a one revolution clutch mechanism, a driving clutch member having a plurality of internal teeth and a driven clutch member having a corresponding plurality of interengaging teeth, said driven clutch member including a slidable sleeve upon which said last named teeth are mounted so arranged that two teeth of the driven clutch member are adapted to be inserted between a pair of teeth on the driving clutch member, yieldable means effective to cause engagement of said clutch members, and means to disengage said clutch members at approximately the end of a revolution.

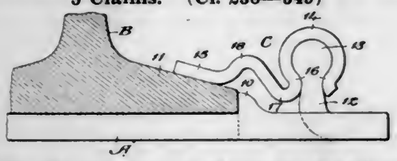
2,140,217

TIE PLATE AND RAIL CLIP COMBINATION

Victor C. Armstrong, Short Hills, N. J., assignor to Poor & Company, New York, N. Y., a corporation of Delaware

Application June 24, 1938, Serial No. 215,667

5 Claims. (Cl. 238—349)



1. In combination, a tie plate, a rail seated thereon, a lug rising from the tie plate and having an enlarged head, and a rail retaining clip including a resilient eye portion of substantially the same interior cross sectional size and shape as the head of said lug embracing the head of said lug and having opposite side portions engaging opposite faces of said lug below the head thereof, whereby the clip is held in assembly with one of said eye side portions being reversely bent upon itself to provide against rotation relative to the lug, and a resilient finger extending from said eye portion into overlying relationship to the rail flange.

2,140,218

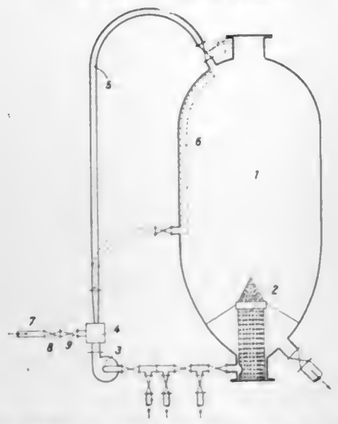
CELLULOSE COOKING PROCESS

Otto Brune, Wangen/Allgau, Germany, assignor to Zellstofffabrik Waldhof, Mannheim-Waldhof, Germany, a German company

Application August 19, 1936, Serial No. 96,881

In Germany October 1, 1934

1 Claim. (Cl. 92—7)



A process of cooking cellulose in which the cooking liquor is circulated through a digester and conduit, comprising the steps of withdrawing the cooking liquor from the lower part of the digester by means of a pump, passing said liquor through a jet apparatus arranged adjacent the outlet side of said pump, supplying steam to the suction side of said jet apparatus, at a pressure lower than that prevailing in the digester, for heating said liquor, and leading the heated liquor into the upper part of the digester.

2,140,219

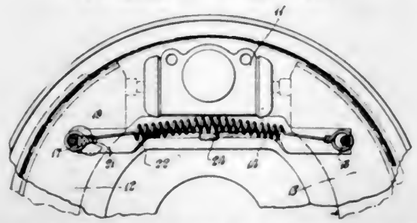
ADJUSTING MEANS FOR BRAKES

Edward Claude Shakespeare Clench, Leamington Spa, England, assignor to Automotive Products Company Limited, London, England

Application December 30, 1936, Serial No. 118,380

In Great Britain January 4, 1936

5 Claims. (Cl. 188—79.5)



1. In a two-shoe drum brake assembly having a back plate and shoe applying means, including an adjusting device for regulating the "off" movement of the shoes, comprising an actuating member, a stop member connected therewith, an intermediate member connected frictionally with the back plate of the brake assembly, and a loose coupling device acting between said intermediate member and said actuating member, whereby the adjusting device has a single actuating member which, with its loose coupling device, is operatively independent of the brake applying means and is connected with both brake shoes to limit the clearances thereof simultaneously by manual actuation.

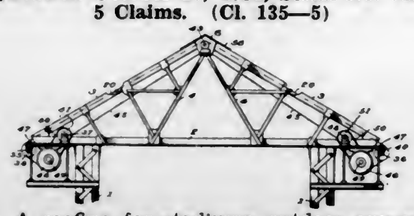
2,140,220

ROOF

William Colvin, Jr., Troy, N. Y.; Ella F. Colvin and Ruth E. Sharpe, executrices of said William Colvin, Jr., deceased, assignors, by mesne assignments, to Colvinex Corporation, a corporation of New York

Application October 17, 1934, Serial No. 748,736

5 Claims. (Cl. 135—5)



1. A roofing for stadiums, outdoor arenas, or the like, comprising a supporting structure, a roofing sheet adapted to be adjusted on said structure, the same being of flexible character to permit rolling thereof, a roller with which one edge of the sheet is connected whereby the relatively free edge thereof may be withdrawn or retracted relatively thereto, the sheet being provided as a part thereof with electrical heating means to prevent accumulations of ice, snow, or the like, when the sheet is withdrawn and functioning as a roof, and means for effecting supply of electrical energy to said electrical heating means in any position of adjustment of the sheet, said means for effecting supply of electrical energy to said heating means being connected with the same at the edge portion of the sheet that is connected with said roller.

4. In combination with a roofing sheet, means for shifting the same, a roof member under which the sheet may be projected, and a flexible strip portion associated with said roof member adapted to engage the outer surface of the sheet.

2,140,221

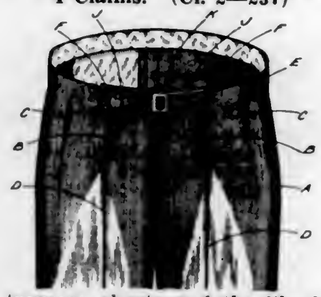
TROUSERS AND THE LIKE

John Leslie Cornish, Falmouth, England

Application February 10, 1937, Serial No. 125,143

In Great Britain February 21, 1936

4 Claims. (Cl. 2—237)



1. In trousers, shorts and the like bifurcated garments, a garment body having leg portions and a waist portion, said leg portions having front creases therein, said waist portion having front pleats comprising inner and outer folds, the edges of said folds formed with bights, the bights of the outer folds forming continuations of said creases, means secured to the bights of the outer folds to prevent the same from rolling and to hold the bights of the outer folds permanently in continuation of said front creases, means secured to parts of the inner folds spaced from the bights thereof to roll said inner folds in the contracting and expanding of the waist portion and pressing against the inner folds to hold the same flat, and adjustment connections on the inside of the waist portion for said second means.

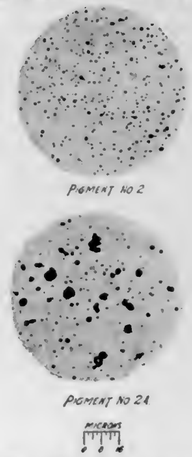
2,140,222

PIGMENTARY LEAD TITANATE AND METHOD FOR MAKING THE SAME

Helmut Espenschied, Metuchen Township, Middlesex County, N. J., assignor to National Lead Company, New York, N. Y., a corporation of New Jersey

Application February 23, 1937, Serial No. 127,302

15 Claims. (Cl. 134—67)



1. Process for the preparation of a pigment which comprises mixing until a uniform and intimate, very finely-divided mixture is obtained, pigment-forming materials containing a "reactive lead compound" and a "reactive titanium compound", the amount of said "reactive lead compound" being not more than one mol PbO for every mol TiO_2, then heating said mixture at a temperature sufficient to form lead titanate but not sufficient appreciably to develop crystalline properties until formation of lead titanate is substantially complete and thereafter heating at a higher temperature to develop crystalline properties.

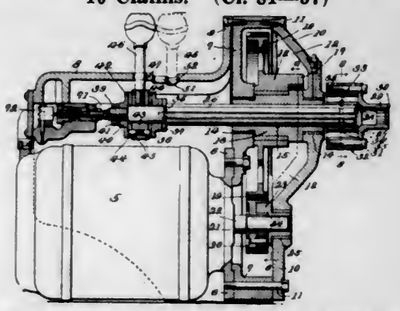
2,140,223

POWER WRENCH

Benjamin Norton Foster, Keene, N. H., assignor to Kingsbury Machine Tool Corporation, Keene, N. H., a corporation of New Hampshire

Application October 1, 1936, Serial No. 103,578

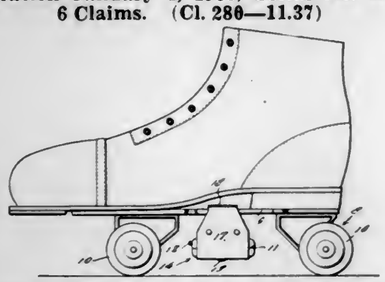
10 Claims. (Cl. 81—57)



1. In a power wrench, a wrench head, means for applying driving power to said head, a single

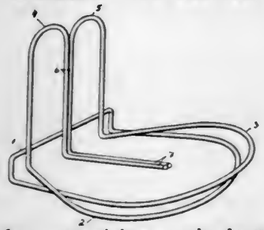
control member operable first with the head in a longitudinal direction to apply the head to completely embrace an element-to-be-turned and then laterally for initiating operation of said power applying means, and friction connections between said driving means and said control member causing said means and member to move together during the applying of said head but permitting said means to move independently of said member during turning of said element.

2,140,224
ROLLER SKATE ATTACHMENT
Mikaly Galgoczy, Cleveland, Ohio
Application January 4, 1938, Serial No. 183,359
6 Claims. (Cl. 280—11.37)



1. In a construction of the class described, a roller skate comprising a frame embodying front and rear rollers, and a source of illumination supported on the frame between said front and rear rollers, and depending from said frame in a position to focus the light beam on the floor.

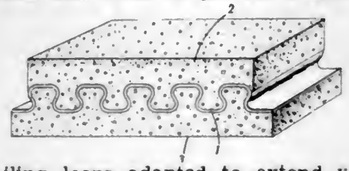
2,140,225
WIRE HOLDER
Gustav Hugo Hansson, Goteborg, Sweden
Application October 2, 1936, Serial No. 103,794
In Sweden January 10, 1936
3 Claims. (Cl. 248—36)



1. A holder comprising, a single piece of wire bent into a looped member which is intended to provide a base for the holder, two members projecting upwardly which members can be pushed apart in the direction of the plane of the looped member but normally are held together by the flexibility of the wire and between which members an object can be gripped, said base looped member being substantially of a closed circular form, the two gripping members being connected with each other by the base looped member and positioned adjacent each other, in a tangential plane with respect to the said looped member.

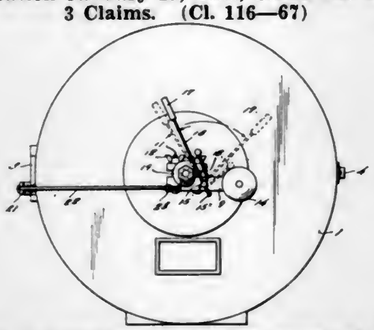
2,140,226
BUILDING BLOCK
Eric Russell Harrap, Manchester, England
Application February 4, 1937, Serial No. 124,118
In Great Britain February 24, 1936
4 Claims. (Cl. 72—38)

2. A generally rectangular block for wall construction comprising a substantially rigid impermeable sheet of plastic insulating material bent back and forth to provide a plurality of



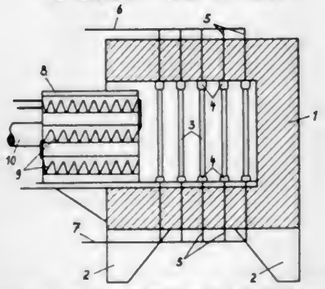
dovetailing loops adapted to extend vertically when the block is positioned, and a porous mineral facing permanently keyed to said dovetailing loops.

2,140,227
REEL END SIGNAL FOR MOTION PICTURE PROJECTORS
Orvin Hemmingson, West Union, Iowa
Application January 19, 1938, Serial No. 185,769
3 Claims. (Cl. 116—67)



1. In combination with a magazine of a projector, including its hub and tension shaft, an arm connected with the hub, a bell supported from the arm, an upright supported from the arm for rocking motion, a hammer movable with the upright for engaging the bell and a cam on the shaft for engaging the upright and for swinging the same to a position where the hammer will engage the bell when the shaft is rotating rapidly by the film nearing its end.

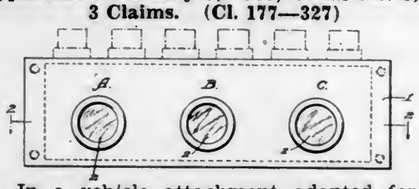
2,140,228
ELECTRICALLY HEATED FURNACE
Hermann Henke, Hanau-on-the-Main, Germany, assignor to G. Siebert Gesellschaft mit beschränkter Haftung, Hanau-on-the-Main, Germany, a German company
Application March 27, 1936, Serial No. 71,322
In Germany April 1, 1935
1 Claim. (Cl. 13—25)



A furnace for producing high temperatures comprising a heating chamber having walls, a plurality of electric heating resistance elements wholly within said chamber and consisting of

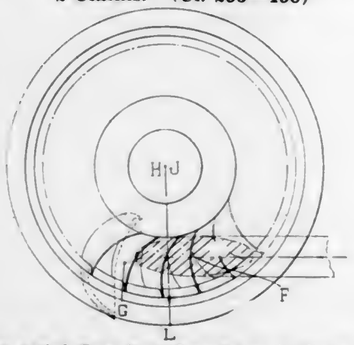
metal oxides electrically conductive only at high temperatures and with substantially constant electric resistance through successive heats, means for supplying in parallel connection electrical current to said elements, and connecting means extending from within said chamber through said walls and joining said supply means and said elements and consisting of metallic leads formed from the platinum group and capable of resisting the heat of said chamber.

2,140,229
INDICATING DEVICE FOR VEHICLE LIGHTS
George W. Hipsley, Philadelphia, Pa., assignor of ten one-hundredths to Juan G. Mathé, San Salvador, El Salvador
Application February 5, 1935, Serial No. 5,141
3 Claims. (Cl. 177—327)



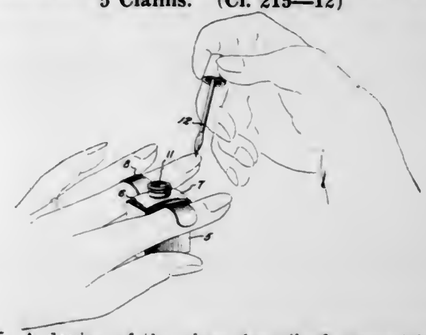
1. In a vehicle attachment adapted for installation in the driver's compartment of the vehicle for visually indicating to an occupant of said vehicle the condition of the vehicle lights, an indicator comprising a casing divided into a plurality of individual compartments; a common image field for each compartment; a plurality of electric light bulbs mounted in each compartment behind the common image field thereof; and a plurality of partitions in each compartment, one of said partitions positioned between each electric light bulb in each compartment and the common image field associated with that particular compartment and each of said partitions having a distinctively shaped aperture; the light rays from each energized electric light bulb passing through the aperture in the partition associated with said bulb and forming on the common image field of the compartment in which the energized bulb is located a distinctively shaped light image visible to an occupant of the vehicle to indicate to said occupant the exact condition of said vehicle lights.

2,140,230
WATER TURBINE
Ernest Alfred Jackson, Kendal, England, assignor of one-half to Gilbert Gilkes & Gordon Limited, Kendal, England, a British company
Application July 17, 1937, Serial No. 154,313
In Great Britain January 1, 1937
2 Claims. (Cl. 253—158)



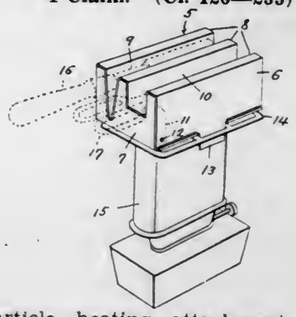
1. An axial flow impulse water turbine including a vaned runner and a jet disposed so that the centre streamline of the jet intersects the surface of revolution of the entrance face of the runner at a point spaced upstream from the intersection point equal to or greater than one tenth of the mean runner diameter whereby to obtain a maximum turbine efficiency.

2,140,231
FINGER-SUPPORTED HOLDER FOR NAIL POLISH
Alice Jefferis, Washington, D. C.
Application January 25, 1937, Serial No. 122,253
5 Claims. (Cl. 215—12)



5. A device of the class described comprising a holder adapted to receive a container and of a size to permit the holder to be supported between the fingers of a hand, and a combined supporting member and prop carried by the holder for suspending the holder from and between adjacent fingers of a hand, said prop by engagement with a supporting surface serving to prevent tilting of the holder beyond a predetermined angle and consequent spilling of the contents of the container when the holder is removed from the fingers and placed upon said supporting surface.

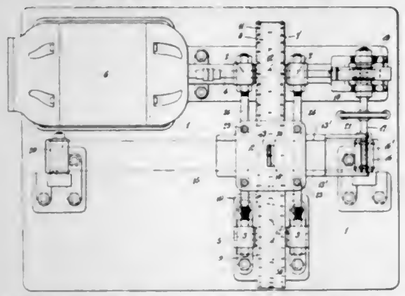
2,140,232
PROTECTOR TRAY
John B. Knight, Sr., Tampa, Fla.
Application January 29, 1938, Serial No. 187,766
1 Claim. (Cl. 126—235)



An article heating attachment for stoves formed from a single sheet of metal and including a top having spaced, parallel troughs extending longitudinally therein for the reception of articles to be heated, side walls depending from the longitudinal edges of said top and engageable with a stove for supporting said top in elevated position thereon, lugs depending from said side walls and engageable with the stove for securing the attachment against horizontal movement on said stove, and an end wall integral with one of the side walls and extending transversely across the troughs at one end and connected to

the other of said side walls, said end wall having notches in its upper edge communicating with the troughs for the reception of the articles, the other end of the attachment being open.

2,140,233
TELEPHOTOGRAPHIC APPARATUS AND THE LIKE
Hans Knudsen, Streatham, England
Application May 11, 1936, Serial No. 79,162
In Great Britain February 17, 1936
13 Claims. (Cl. 178—7.6)



1. A telephotographic apparatus including a gate formed with a slot, a scanning band formed with scanning apertures movable lengthwise the slot in the gate, a film to be scanned movable in the gate, and a light source mounted to direct the rays of light through the slot in the gate, the apertures in the band and the film, the scanning band and film being mounted for movement at approximately right angles to each other and being held in the gate in constant parallel relation, the slot in the gate and the apertures in the band maintaining a constant uniform light distribution to the film of invariable area and configuration.

2,140,234
MOLDING
Louis Lamer, New York, N. Y.
Application September 1, 1937, Serial No. 162,021
4 Claims. (Cl. 20—74)



2. The combination of a finishing molding comprising a filler and a covering strip, said filler strip provided with a longitudinal groove, nails slidably arranged in said groove, and said covering strip made of resilient metal and anchored to the filler by engagement with the side walls of the groove, said engagement serving as means to frictionally hold said nails in spaced relationship in the groove.

2,140,235
WHITE PIGMENT
Ekbert Lederle, Ludwigshafen, Max Günther, Mannheim, and Rudolf Brill, Heidelberg, Germany
No Drawing. Application March 14, 1935, Serial No. 11,164. In Germany March 14, 1934
5 Claims. (Cl. 134—78)

1. Process of preparing a white pigment which comprises calcining at a temperature between about 500° C. and about 800° C. a mixture of a reactive zinc compound and titanium dioxide in the proportion of between .9 and 2 mols of reactive zinc compound to 1 mol of titanium dioxide for such a time that the titanium dioxide is practically completely bound to the zinc and thereafter heating the resulting product at a higher temperature not exceeding about 1100° C. until it exhibits sharp interference lines on an X-ray photograph.

2,140,236
PIGMENT
Ekbert Lederle, Ludwigshafen, Max Günther, Mannheim, and Rudolf Brill, Heidelberg, Germany
No Drawing. Application May 15, 1937, Serial No. 142,928. In Germany March 14, 1934
10 Claims. (Cl. 134—58)

2. Process for the preparation of pigmentary metallic titanates which comprises preparing a uniform and intimate mixture of "reactive metal compounds" and "reactive titanium compounds" by mutual precipitation from aqueous media, and heating the mixture so obtained at a temperature within the range of about 500° C. to about 800° C. until titanate formation is substantially complete and then heating the titanate at a higher temperature within the range of about 800° C. to about 1100° C. until the heated products exhibit sharp interference lines on an X-ray photograph.

2,140,237
WELDING WIRE FOR CARBON ELECTRODE ARC WELDING
Franz Leitner, Kapfenberg, Steiermark, Austria
No Drawing. Application March 9, 1937, Serial No. 129,922. In Austria and Germany March 27, 1936
2 Claims. (Cl. 219—8)

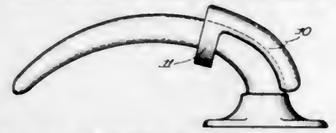
1. A welding wire for carbon electrode arc welding containing up to 0.45% carbon, 0.25 to 1% silicon, 0.20 to 3% manganese, not more than 0.06% sulphur, not more than 0.045% phosphorus, at least one metal selected from the group consisting of up to 1.2% zirconium, up to 0.50% aluminum, up to 0.80% titanium, up to 0.40% vanadium, up to 1.50% tantalum and up to 0 30% magnesium, and the remainder iron.

2,140,238
WELDING WIRE FOR ELECTRIC ARC WELDING
Franz Leitner, Kapfenberg, Steiermark, Austria
No Drawing. Application March 9, 1937, Serial No. 129,960. In Austria August 1, 1936
3 Claims. (Cl. 219—8)

1. A welding wire for electric arc welding comprising a ferrous electrode containing at least one metal selected from the group consisting of 0.05 to 0.7% aluminium and 0.1 to 1.5% titanium and having a core containing 80 to 95% lime and 20 to 5% aluminium.

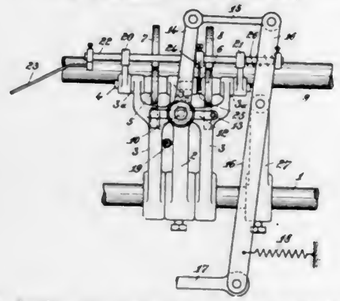
2,140,239
REMOVABLE DOOR HANDLE GUARD
Edward Lewis, Chicago, Ill.
Application September 27, 1937, Serial No. 165,939
1 Claim. (Cl. 16—86)

As a new article of manufacture, a guard for both the curved and straight type of handles of an automobile door, comprising a thick, arcuate strip of resilient rubber adapted to overlie a portion of the outer surface of said handle, a longitudinally extending, shallow, handle receiving groove formed in the inner surface of said strip, an inwardly directed handle encircling



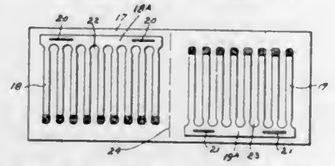
resilient ring formed on said strip, said ring forming means for causing said strip to conform to the shape of both straight and curved door handles.

2,140,240
DEVICE FOR REGULATING THE LENGTH OF THE LOOPS IN STRAIGHT BAR KNITTING MACHINES
Karl Richard Lieberknecht, Oberlungwitz, Germany
Application September 22, 1936, Serial No. 102,038
In Germany September 25, 1935
6 Claims. (Cl. 66—82)



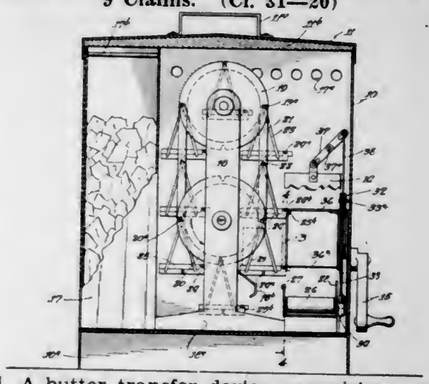
1. A device for regulating the length of loops in straight bar knitting machines comprising a rotatable control shaft connected with a needle bar, an eccentric shaft, at least two eccentrics on the eccentric shaft, a roller for each eccentric and at least two roller levers rigidly connected with one another and cooperating with the eccentrics, said roller levers being rotatably mounted on the control shaft, levers rigidly fixed to the control shaft, and a single adjusting screw for adjusting the roller levers by means of the fixed levers whereby the rollers cooperating with the eccentrics are so displaceably arranged that only one eccentric will influence the control shaft.

2,140,241
MATCH PACKAGE
Abraham B. Linker, Brooklyn, N. Y.
Application May 11, 1936, Serial No. 79,079
3 Claims. (Cl. 206—29)



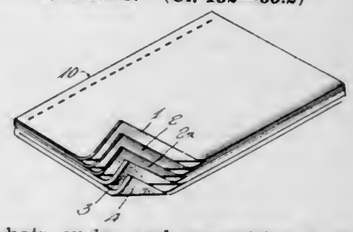
1. A match package of the class described comprising a foldable cover, a set of matches on the inner side of the cover at one side of the fold with the heads thereof toward the upper edge of said cover, another set of matches on the cover at the opposite side of the fold, the heads of the matches being toward the lower edge of the cover, and the sets of matches being disposed on said cover that the matches of one set interfit between the matches of the other set when the cover is folded for closing.

2,140,242
BUTTER DISPENSER
Robert J. Miller and Martin C. Dunrud, Chicago, Ill.; said Dunrud assignor to said Miller
Application December 12, 1936, Serial No. 115,596
9 Claims. (Cl. 31—20)



1. A butter transfer device comprising a carrier, a set of supports mounted at points along the same, plates carried by the supports and each adapted to seat an elongated section of butter, each plate being pivoted to its support and having a projecting element, a receiving surface alongside the path of the supports, and an abutment between the said element and surface and effective to rotate the plate when the element meets the abutment so as to deposit the butter section on the said surface.

2,140,243
HAIR WAVING PAD
Warren L. Moody and Stanley J. Wagar, Richmond, Va., assignors of one-third to Ralph L. Dombrower, Richmond, Va.
Application March 22, 1938, Serial No. 197,513
3 Claims. (Cl. 132—36.2)

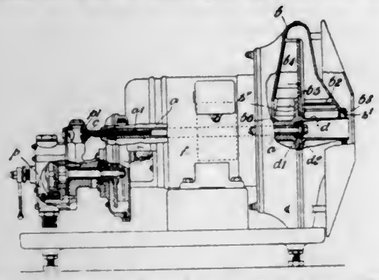


1. A hair curler pad comprising a sheet of absorbent material impregnated with an alkali sulphite and an alkali carbonate and a second sheet impregnated with an ammonium salt and calcium chloride.

2,140,244
ROTARY CRUDE OIL BURNER
Lewis Motley, Staines, England
Application April 4, 1935, Serial No. 14,723
In Great Britain April 6, 1934
3 Claims. (Cl. 158—77)

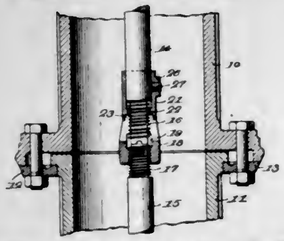
1. In a rotary liquid fuel burner, a tubular atomizer chamber having its front end open, means for feeding fuel into said atomizer chamber, an annular wall mounted on, and extending

outwardly from, the rear end of said atomizer chamber, a second annular wall extending outwardly from the front end of said atomizer chamber with a clearance in between, means for causing a stream of air to flow inwardly between said walls so that it impinges against the outside



of said atomizer chamber and passes over the edge at the open end thereof, and fixed vanes extending substantially between said walls and having their inner ends directed so as to cause the air to strike the atomizer chamber in a direction approaching the tangential to the surface of said atomizer chamber.

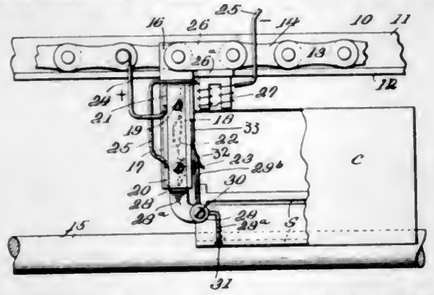
2,140,245
ROD JOINT OR COUPLING
Robert H. Mueller, Decatur, Ill., assignor to Mueller Co., Decatur, Ill., a corporation of Illinois
Application December 28, 1936, Serial No. 118,014
7 Claims. (Cl. 287—117)



1. The combination with a pair of aligned rods having juxtaposed threaded ends, and coupling means for said rods comprising an internally threaded sleeve in which both of said ends are threaded, the end of said sleeve in which one of said rod ends is engaged being longitudinally slotted so as to be deformed upon relative bending of said rods to release said one of said rod ends, of a second sleeve having a deformable end surrounding the extremity of the slotted portion of the first sleeve to restrain deformation of the latter.

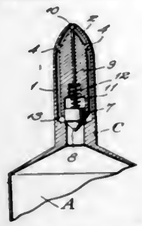
2,140,246
APPARATUS FOR ALIGNING THE SIDE SEAMS OF TRAVELING CAN BODIES
James H. O'Neil, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application November 8, 1937, Serial No. 173,476
4 Claims. (Cl. 198—33)

1. An apparatus for arranging the side seams of can bodies in a predetermined line of travel comprising means for conveying the can bodies in succession in an endwise direction, parallel spaced rotating rollers for supporting the can bodies and along which they are moved by the conveying means whereby the can bodies are rotated during their travel, and magnetic means traveling with the can bodies for stopping the rotation of the can bodies when the side seams thereof reach a predetermined line of travel and



for maintaining said side seams in such alignment.

2,140,247
AUTOMATIC TUBE CLOSURE
William Pazdernick, Freedom, Mo.
Application March 31, 1938, Serial No. 199,261
3 Claims. (Cl. 221—60)



1. A closure for a collapsible tube, comprising an elongated casing connected to the neck of the tube and having an outlet opening in the outer end thereof, a core secured within the casing and spaced therefrom to provide a passageway for the contents of the tube therethrough, valve means within the casing for closing the bore of the neck, valve means for closing the outlet opening, means slidably mounted through the core and connecting the valve means together for movement thereof simultaneously, a spring for urging and normally holding the valve means closed, and said valve means being moved to open position when pressure is applied to the tube.

2,140,248
COLOR LAKES
Walther Retter, Cologne-Deutz, Ottmar Wahl, Leverkusen-I. G. Werk, and Werner Müller, Cologne, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application November 7, 1935, Serial No. 48,790. In Germany November 23, 1934
10 Claims. (Cl. 134—58.5)

7. A lake possessing a good fastness to light comprising a dyestuff of the methine series containing an indoline radical in the molecule, which dyestuff is associated with a mineral hetero-poly-acid selected from the group consisting of acids containing a plurality of radicals of phosphoric, silicic, molybdic, and tungstic acids.

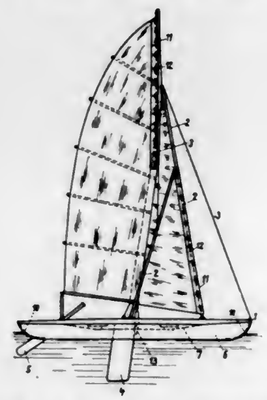
2,140,249
SHIRT WITH DETACHABLE COLLAR
Rudolf Richard Ruth, Helsingfors, Finland
Application February 19, 1936, Serial No. 64,774
In Finland February 25, 1935
1 Claim. (Cl. 2—139)

In combination a shirt, a detachable collar, a thin flexible strip of resilient material, said collar and the neckband of said shirt being each provided with a plurality of holes spaced relative to one another in the longitudinal direction of the collar and penetrating only those cloth layers of the collar and of the neckband, which at fastening the collar onto the neckband overlap each other, the different plies in the collar and in the neckband of said shirt being connected by lines



of stitching extending from one hole to the next thus forming spaced channels in the collar as well as in the neckband, so that the channels, when applying the collar onto the neckband, alternate with one another throughout the length of the collar and the neckband, whereby said fastening strip is adapted to be alternately passed through said channels to fasten the collar to the shirt.

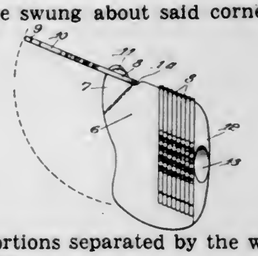
2,140,250
SAILBOAT
Albert Schlumpf, Zurich, Switzerland
Application September 5, 1936, Serial No. 99,562
In Switzerland September 12, 1935
1 Claim. (Cl. 114—39)



A sail-boat, including two elongated inflatable floats **6** spaced apart, a marginal frame **1** embracing the floats above the water line, a bottom **7** extending from one side of the marginal frame over the floats and down between the floats to a plane between the water line and that containing the marginal frame, transverse stays **9** connecting the sides of said marginal frame together, a sword **4** pivotally mounted between the floats and passing downwardly through a slit in said bottom, a pyramid mast **2** supported by said marginal frame, a sail carried by said mast, said marginal frame, said bottom and said transverse stays being detachably connected together and to said floats substantially as shown and described.

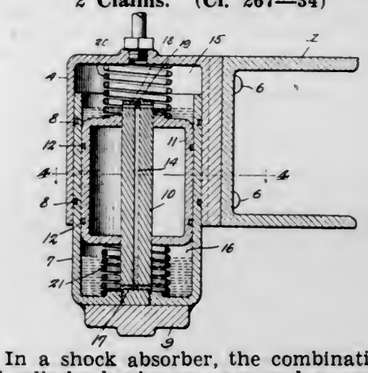
2,140,251
HAIRPIN HOLDER
Werner H. Steger, Chicago, Ill.
Application February 17, 1938, Serial No. 191,083
7 Claims. (Cl. 132—1)

1. A hairpin holder comprising: a thin body member adapted to be embraced frictionally by a plurality of resilient hairpins; and a wedge-shaped corner member on said body member disposed so that the loop-end portion of said hairpins may be swung about said corner and have



their leg portions separated by the wedge action of the corner.

2,140,252
SHOCK ABSORBER
Edward Vincenti, Valletta, Malta
Application September 28, 1937, Serial No. 166,079½
2 Claims. (Cl. 267—34)



1. In a shock absorber, the combination of a fixed cylinder having an open end, a second cylinder having an open end telescoped in said first cylinder for sliding movement and contacting its inner surface, a post secured to said second cylinder in axial alinement therewith, a piston slidable on said post in said second cylinder contacting its inner surface and defining chambers at the opposite ends of the piston, and compression springs in said chambers engaging the inner end of said cylinders and the adjacent ends of said piston.

2,140,253
PRICE REGISTER
Paul W. Waschau, Chicago, Ill.
Application January 6, 1937, Serial No. 119,342
4 Claims. (Cl. 40—96)



1. In a price register, a panel having a sight

opening, a web movable across said sight opening, digits carried by the web, to be selectively exposed through the sight opening through movement of the web, said digit bseing so spaced as to be visible in groups of two through said sight opening, the spacing between the digits being such that the digits in a group of three may be selectively combined to provide two two digit numbers therefrom, a flap hingedly connected with said panel adjacent the sight opening, and digits having fractional value carried on one face of the flap.

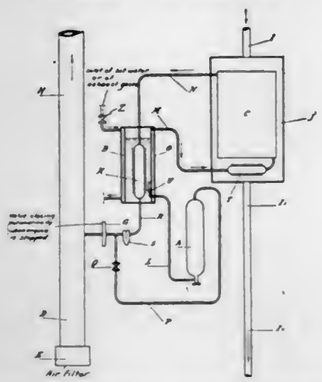
2,140,254

DEVICE FOR OPERATING INTERNAL COMBUSTION ENGINES WITH MIXTURES OF AMMONIA, HYDROGEN, AND NITROGEN PREPARED FROM AMMONIA

Mario Zavka, Terni, Italy, assignor to Ammonia Casale Societa Anonima, Lugano Massagno, Switzerland

Original application October 21, 1936, Serial No. 106,879. Divided and this application April 29, 1937, Serial No. 139,796. In Italy October 30, 1935

6 Claims. (Cl. 123—119)



1. Devices for fueling internal combustion engines with mixtures of ammonia, hydrogen and nitrogen prepared from liquid ammonia comprising in combination with the exhaust pipe and the induction pipe of the engine, a container for liquid ammonia, an ammonia vaporizer, a tubing connecting the vaporizer with the container for liquid ammonia, a heat exchanger placed inside the exhaust pipe of the engine, another tubing establishing communication between the heat exchanger and the vaporizer, a catalysis apparatus also placed inside the exhaust pipe, a tubing connecting the catalysis apparatus with said heat exchanger, another heat exchanger placed inside the ammonia vaporizer, another tubing connecting the catalysis apparatus with the last mentioned heat exchanger, a further tubing connecting the heat exchanger inside the ammonia vaporizer with the induction pipe of the engine, and a valve on the last mentioned tubing which closes automatically when the engine is stopped.

2,140,255

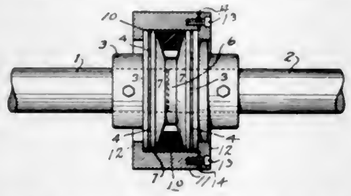
AUTOMATIC CLUTCH COUPLING

Edward L. Rieske, Dayton, Ohio

Application July 30, 1936, Serial No. 93,531

12 Claims. (Cl. 64—27)

1. A frictional shaft coupling comprising the combination with two relatively rotatable shafts disposed in axial alignment and capable of limited axial movement, of a pair of conical discs one disc being fixedly mounted on each shaft in relatively spaced relation with conical faces disposed one toward the other, a pair of concavo-convex rings between the discs with their concave sides enclosing the conical faces of the respective disc, a circular series of grooved cam depressions in the concave face of each ring, a circular series of spaced studs carried by each disc



and seating within the depressions of the corresponding ring, an annular friction element interposed between the rings and frictionally gripped thereby upon axial adjustment of the rings incident to relative rotary motion of the rings and discs, and a housing surrounding the discs and rings and interposed friction element upon which the discs axially abut to limit axial movement of the shafts under expanding pressure incident to axial adjustment of the rings.

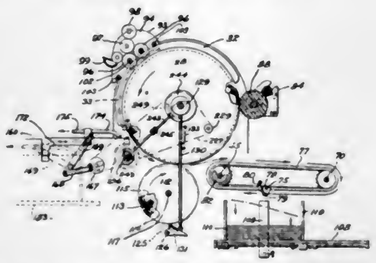
2,140,256

OFFSET LITHOGRAPHIC MACHINE

Roy Aberle, Long Branch, N. J., assignor to Sanlin Offset Press Manufacturing Corporation, New York, N. Y., a corporation of New York

Application August 29, 1935, Serial No. 38,423

2 Claims. (Cl. 101—142)



1. In an offset lithographic machine having a feeder associated therewith, a main cylinder adapted to carry on one portion thereof a lithographic sheet and on another portion thereof a blank paper sheet, a movable impression cylinder adapted to coact with said main cylinder, elevating means adapted to force the impression cylinder into contact with the main cylinder, actuating means associated with the main cylinder for actuating said elevating means whereby the impression cylinder contacts the lithographic sheet carrying portion of the main cylinder, a second actuating means being manually adjustable for actuating said elevating means whereby the impression cylinder contacts the paper carrying portion of said main cylinder, a manually operable resetting control for connecting said actuating means and said second actuating means with said elevating means, means for upsetting said resetting control thereby disconnecting the said actuating means and the second actuating means from said elevating means upon the failure of a sheet to be properly fed by said feeder into said machine.

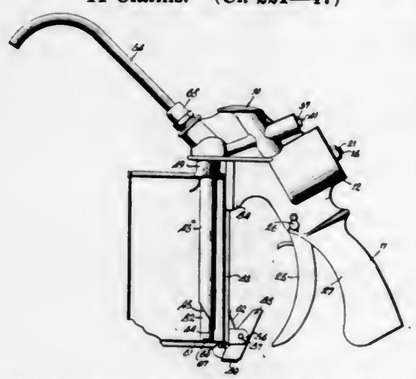
2,140,257

CAN TAPPING AND CONTENT DISPENSING DEVICE

Clyde G. Butler, Madeira, Ohio, assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio, a corporation of Ohio

Application July 23, 1937, Serial No. 155,285

11 Claims. (Cl. 221—47)



1. A can tapping and contents dispensing device comprising, a body including a tube projecting therefrom, said tube having its end cut on the bias, a tube telescopially engaged into said first named tube and projecting therefrom for forming an extension, means on said body for delivering air under pressure through said first named tube, said body and tube including a passageway extending to the upper region of the can in which the tube is inserted, and a nozzle for receiving and directing the contents of the can from said tube.

2,140,258

ACCELERATORS

Albert M. Clifford, Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 27, 1934, Serial No. 745,757

17 Claims. (Cl. 18—53)

8. The method of treating rubber which comprises vulcanizing the rubber in the presence of an accelerator which comprises a reaction product of an aldehyde and an alicyclic primary amine containing at least one substituent in the alicyclic ring selected from the group consisting of alkyl, alkoxy, hydroxy and amino radicals.

2,140,259

ACCELERATORS OF VULCANIZATION

Albert M. Clifford, Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 26, 1935, Serial No. 42,305

2 Claims. (Cl. 18—53)

1. The method of accelerating the vulcanization of rubber which comprises vulcanizing it in the presence of a compound having the formula R—NH—X—OH in which X is alkylene and R is an alicyclic radical corresponding to the benzene and naphthalene series.

2,140,260

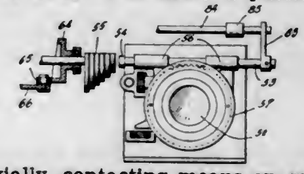
CAMERA ADJUSTING MECHANISM

Harry G. Cunningham, Los Angeles, Calif., assignor to R. K. O. Studios, Inc., a corporation of Delaware

Application March 31, 1936, Serial No. 71,823

6 Claims. (Cl. 95—45)

4. A picture camera comprising a plurality of similar lens mounts, each mount having a lens of a different type therein, means adapted to support any one of said lens mounts in position in said camera for photographing objects, a rotatable member within said last-mentioned means, a reciprocating member connected to said rotatable member, a plurality of cams corresponding in number to said lens mounts for contacting said reciprocating member, each of said cams being adapted to move a particular lens



mount axially, contacting means on said rotatable member, and means on each of said lens mounts for contacting said contacting means on said rotatable member upon rotation of said mounts, each of said last-mentioned means on each of said lens mounts being different from the other to rotate said rotatable member a predetermined different amount for moving said reciprocating member a corresponding amount for selecting a particular cam.

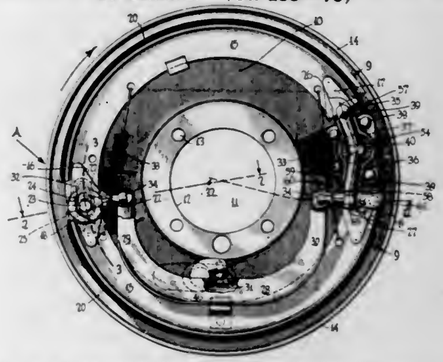
2,140,261

BRAKE

Carolus L. Eksergian and Robert B. Temple, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania

Application October 9, 1934, Serial No. 747,505

10 Claims. (Cl. 188—78)



1. In a brake, a brake anchor plate, a plurality of brake shoes, a plurality of pins, means for operatively connecting one end of each of said pins to one end of each of said brake shoes, an adjustable cone mounted on said brake anchor plate in position to co-act with the other end of said pins, said cone having a plurality of notches therein adapted to be engaged by the ends of said pins, means for yieldingly urging said pins into contact with said cone, and means comprising a plurality of levers positioned between one of said pins and its adjacent brake shoe, and arranged to operate the brake.

2,140,262

CLIP BROOCH

Jules Hirsch, New York, N. Y., assignor to Du Jay, Inc., a corporation of New York

Application June 15, 1937, Serial No. 148,331

9 Claims. (Cl. 63—20)

1. In a clip brooch, a supporting frame, means for attaching the same to a garment, said frame

having spaced laterally extending portions leaving a space between them for lateral entrance, a clip having a pair of jaws movable laterally



into said space to position its jaws over one of said portions whereby closing the jaws grips the said portion between said jaws.

2,140,263

METHOD FOR THE PURIFICATION OF PETROLEUM MAHOGANY SULPHONATES

George Andreas Kessler and Manuel Blumer, Butler, Pa., assignors to L. Sonneborn Sons, Inc., a corporation of Delaware

No Drawing. Application October 6, 1936, Serial No. 104,181

15 Claims. (Cl. 260—159)

1. Method of purifying petroleum mahogany sulphonates which comprises contacting crude mahogany sulphonates containing inorganic matter with a substantially water immiscible organic solvent thereby forming a solution of mahogany sulphonate in said solvent and a remainder of undissolved inorganic matter, thereafter separating said inorganic matter from said solution and finally removing the solvent from the solution of the mahogany sulphonate, said solvent being substantially incapable of dissolving inorganic salts, liquid at ordinary temperatures and possessing a boiling point sufficiently low to permit its removal without substantial decomposition of mahogany sulphonate dissolved therein.

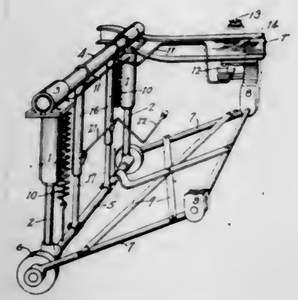
2,140,264

RETRACTABLE LANDING GEAR

Charles H. Kingham, Louisville, Ky.

Application September 27, 1935, Serial No. 42,484

3 Claims. (Cl. 254—86)



2. A retractable landing gear for trailers and the like comprising: a longitudinally extensible and retractable leg embodying the ram and cylinder parts of a hydraulic jack, the cylinder part being pivotably connected to a trailer; radius rod means pivotally connected adjacent one end to the trailer and adjacent its other end to the ram to guide the latter along a substantially vertical path during the extension and retraction of the leg into and out of trailer supporting position; and means for extending and retracting the leg.

2,140,265

PROCESS OF MANUFACTURING AN ELASTIC, POROUS, AND COMPRESSIBLE PRODUCT

Martin Leatherman, Hyattsville, Md., dedicated to the free use of the Public in the territory of the United States of America

No Drawing. Application January 5, 1937, Serial No. 119,099

1 Claim. (Cl. 106—23)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

The process of manufacturing an elastic, porous and compressible product, which comprises incorporating into an ammoniacal rubber latex a dry powdered mixture of rosin, bentonite and a difficultly water-soluble salt of a metal the resinate of which is water-insoluble.

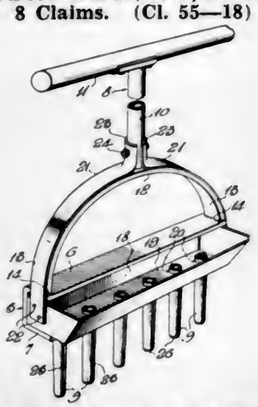
2,140,266

TURF FORK

Edward Leeberg, Roselle, N. J.

Application December 28, 1937, Serial No. 182,137

8 Claims. (Cl. 55—18)



4. A turf fork comprising a handle-carried back bar having a horizontal portion provided with spaced openings, tubular tines secured to said back bar and having their upper ends disposed in and projecting upwardly beyond said openings, a core receptacle having openings in its bottom receiving the upwardly projecting ends of said tines, and means for securing said receptacle with respect to said back bar.

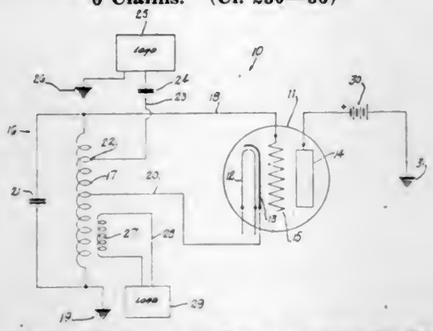
2,140,267

RADIO TUBE OSCILLATOR

Jerome Markowitz, Allentown, Pa.

Application October 27, 1937, Serial No. 171,208

6 Claims. (Cl. 250—36)



1. An oscillator comprising a space discharge tube having an anode, a cathode and a grid, an inductance between said anode and grid, a connection to the cathode from an intermediate point of said inductance, a condenser connected across said inductance having such value as to be just short of preventing oscillation, means for grounding said anode for oscillation frequency, and means for taking off output oscillation energy from said inductance between the connections to said grid and cathode, said oscillator being constructed and arranged to operate at audio frequency.

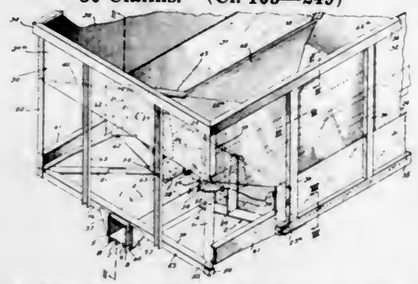
2,140,268

WELDED METAL CAR AND METHOD OF ASSEMBLING SAME

Herbert H. Moss, Brooklyn, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Application June 18, 1930, Serial No. 462,081

30 Claims. (Cl. 105—249)



1. A welded railway car having side and end load retaining walls, sloping floor plates connecting said walls, a hollow center sill penetrating said floor plates, hollow ridge members extending transversely of the car and supporting certain of said floor plates, and braces connecting the side walls and center sill.

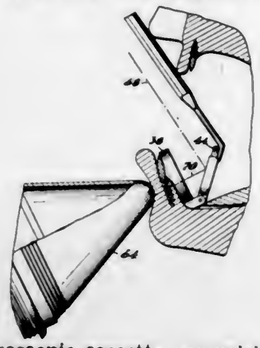
2,140,269

DENTAL FLUOROSCOPIC INSTRUMENT

Leo C. Pelkus and Henry L. Pelkus, Jr., Boston, Mass.

Application December 25, 1934, Serial No. 759,133

6 Claims. (Cl. 250—71)



1. A fluoroscopic cassette comprising, in combination, a metal, internally threaded, cylindrical frame shouldered adjacent to one end thereof, a pair of moisture-impervious but X-ray pervious plates carried on said shoulder and with a layer of fluorescent material therebetween, one of said plates being transparent, a gasket holding said plates in assembled relation and engaging same at the peripheral and marginal portions thereof, a washer member at the end thereof opposed to said shoulder and adjacent to one of said plates, and an externally threaded ring member threaded into said frame to hold the cassette members in assembled relation and to prevent access of liquid to said fluorescent material.

2,140,270

ELECTRIC CABLE

Frank M. Potter, Rome, N. Y., assignor to General Cable Corporation, New York, N. Y., a corporation of New Jersey

Application December 1, 1934, Serial No. 755,537

3 Claims. (Cl. 173—267)



1. An armored electrical cable comprising in combination, an insulated conductor, an uninsulated conductor serving as a ground or neutral wound spirally around the insulated conductor so as to be exposed and project beyond the outer surface of the same substantially throughout the length of the cable, a spirally wound metal armor having its convolutions crossing and pressing against those of the uninsulated conductor, and a thin insulating layer between the armor and the uninsulated conductor serving to keep them from contact with each other at all points, the layer being sufficiently thick and tough to prevent injury to the uninsulated conductor by the spiral armor where its convolutions cross and press upon the conductor, and being sufficiently continuous and impervious to keep the conductor free from substances which would interfere with the making of efficient electrical connections.

2,140,271

PROCESS FOR THE PRODUCTION OF SYNTHETIC DRYING OILS

Alexander Schwarcman, Buffalo, N. Y., assignor to Spencer Kellogg and Sons, Inc., Buffalo, N. Y., a corporation of New York

No Drawing. Application October 25, 1937, Serial No. 170,957

15 Claims. (Cl. 260—407)

1. In the production of a drying oil from castor oil, the process which comprises heating castor oil with a suspended solid catalyst at a temperature of about 350° to 500° F. until there is a large increase in the iodin number, said catalyst being selected from the group consisting of sodium bisulfate and mixtures of earthy materials which have substantially no polymerizing or dehydroxylating effect on castor oil with minor amounts of acid material insufficient to dehydroxylate the oil, removing the catalyst, and continuing the heating at a temperature of about 550° to 600° F. to produce stabilization and develop drying properties.

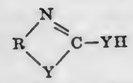
2,140,272

METHOD OF PREPARING UREA DERIVATIVES

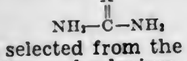
Winfield Scott, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 15, 1937, Serial No. 153,815
8 Claims. (Cl. 260—306)

8. The method of reacting a compound having the formula



in which R is an arylene group and Y is selected from the group consisting of sulfur and selenium, with formaldehyde and a compound having the



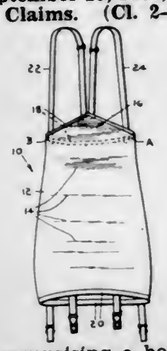
in which X is selected from the group consisting of oxygen, sulfur and selenium, which comprises conducting the reaction in the presence of an acidic catalyst.

2,140,273

GIRDLE

Max Simon, New York, N. Y., assignor to I. B. Kleinert Rubber Company, New York, N. Y., a corporation of New York

Application September 10, 1937, Serial No. 163,230
2 Claims. (Cl. 2—37)



1. A girdle comprising a body encircling portion comprising knit fabric which possesses substantial elasticity circumferentially of the wearer and limited stretch longitudinally of the wearer, a portion integral with and extended from the upper part of said body portion at the front of the girdle and of progressively decreasing width toward its outer edge, a plurality of threads stitched through the marginal edge of said extended portion, said threads terminating substantially at the sides of the girdle and an edge binding folded over said stitched marginal edge on both surfaces thereof and stitched thereto inwardly of the edges of said extended portion.

2,140,274

FIBER

Earle O. Whittier and Stephen P. Gould, Washington, D. C., dedicated to the free use of the People of the United States of America

No Drawing. Application August 12, 1937, Serial No. 158,822
2 Claims. (Cl. 28—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

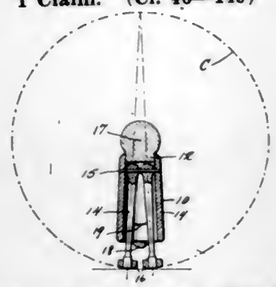
1. As an article of manufacture, a fiber comprising casein and salts of casein and fat acids.

2,140,275

WALKING TOY

John E. Wilson, Watsontown, Pa., assignor of one-half to Ned F. Wagner, Watsontown, Pa.

Application October 15, 1936, Serial No. 105,768
1 Claim. (Cl. 46—149)



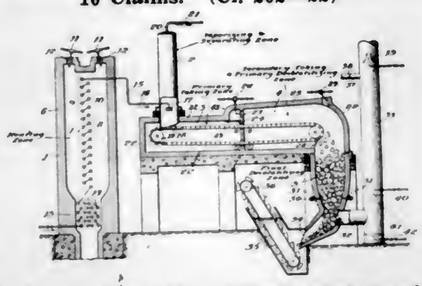
A walking toy, including a hollow body, a pair of legs extending up into the body and pivoted within the body for free forward and rear swinging movement, the pivot being adjacent the upper end of the body and feet on the legs, the tread surface of each foot being convex and curving in all directions, the curvature being that of the surface of an imaginary sphere whose center is located within the upper end portion of the body and in the central vertical axis of the body, the legs being upwardly convergent at such an angle that the longitudinal axes of the legs if extended will intersect each other and the surface of said imaginary sphere at the intersection of said vertical central axis of the body.

2,140,276

CONTINUOUS COKING OF HYDROCARBON OILS

Joseph G. Alther, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application November 18, 1936, Serial No. 111,376
10 Claims. (Cl. 202—22)



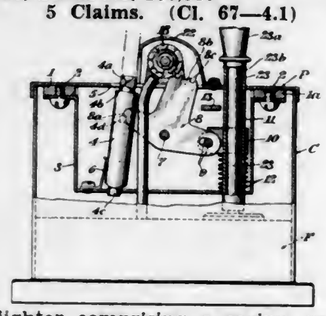
3. A process for the continuous coking of hydrocarbon oil, which comprises heating the oil at substantial superatmospheric pressure and under non-coking conditions to a temperature adequate to effect its subsequent reduction to coke-like residue, separating vaporizable components of the resultant heated products from the non-vaporous fluid residue, discharging the latter onto the moving surface of a continuous conveyor, causing the further evolution of vapors and reduction of the fluid residue to coke-like residue, in the form of a bed on said surface of the conveyor, without additional heating, subsequently passing the bed of coke-like material on said surface of the conveyor through a zone in the coking stage wherein it is subjected to additional heating and further devolatilized by heat supplied directly to the exposed surface of the coke bed, breaking the coke bed into a multiplicity of pieces whereby to expose the additional surfaces of the coke, accumulating a mass of the broken coke, passing hot combustion gases through said mass in contact with the newly exposed surfaces of the coke pieces whereby to additionally devolatilize the coke mass, and recovering the resultant products.

2,140,277

PYROPHORIC LIGHTING MECHANISM

Louis V. Aronson, Newark, N. J., assignor to Art Metal Works, Inc., a corporation of New Jersey

Original application March 29, 1935, Serial No. 13,627. Divided and this application October 26, 1936, Serial No. 107,547
5 Claims. (Cl. 67—4.1)



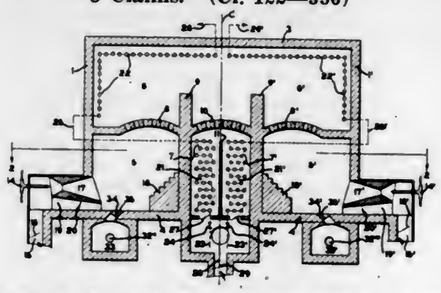
3. A lighter comprising a casing, pyrophoric spark producing means on the top of said casing, spring means for operating said spark producing means to produce a shower of sparks, means for energizing said spring means, latching means for said spring means, said latching means comprising a control member protruding above said casing at a point adjacent the path of said sparks, means mounting said member whereby its protruding portion is movable in normally substantially horizontal directions into latching and unlatching positions, and fulcrum means comprising in part a housing means for said spark producing means, said portion being formed to receive and to be moved by a removable torch member when applied to said portion and said fulcrum means.

2,140,278

TREATMENT OF HYDROCARBON OILS

Marion W. Barnes, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application December 17, 1932, Serial No. 647,764
Renewed March 18, 1936
5 Claims. (Cl. 122—356)



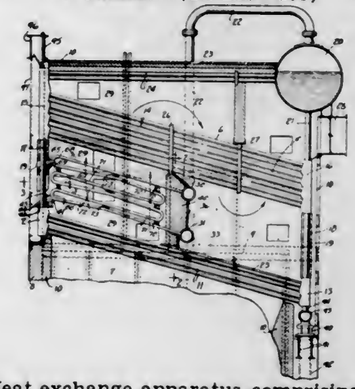
1. In a furnace for simultaneously heating separate streams of fluid, means dividing the furnace into a convection compartment and a pair of radiant heating compartments, a pair of heating coils, each comprising a plurality of series connected tubes, disposed in said convection compartment a plurality of series connected heating tubes in one of said radiant compartments and connected in series with one of said coils, additional series connected heating tubes in the other of said radiant compartments and connected in series with the other of said coils, means for passing combustion gases from both said radiant compartments through said convection compartment, and means for independently regulating the quantity of combustion gases passed over each of said coils in the convection compartment.

2,140,279

HEAT EXCHANGE APPARATUS

Wales Saxton Buell, Dansville, N. Y., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York

Application April 23, 1931, Serial No. 532,198
5 Claims. (Cl. 122—478)



1. Heat exchange apparatus comprising a plurality of superposed tubular elements, and means for supporting one of said elements at its end portions, at least one of the elements being arched in an upward direction in an intermediate portion thereof to provide a support for the intermediate portions of the elements disposed above said one element.

2,140,280

DENTAL FORCEPS

Elmore E. Buskirk, Adrian, Mich.

Application June 24, 1937, Serial No. 150,056
9 Claims. (Cl. 32—62)



7. In a dental forceps, a pair of pivoted handle elements, a tooth engaging beak and a process engaging beak associated with the end of each handle element on one side of the pivot point, the

said tooth and process engaging beaks occupying substantially the same plane and positionable transversely of the jaw to respectively engage opposite sides of a tooth and the process adjacent thereto, the tooth engaging beaks being slidably supported relative to the process engaging beaks, and spring means for restricting movement of the tooth engaging beaks relative to the process engaging beaks.

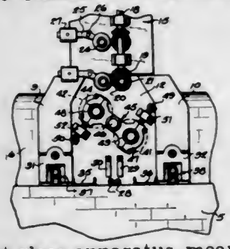
2,140,281

APPARATUS FOR PRODUCING SHEET GLASS

John L. Drake, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application May 24, 1934, Serial No. 727,316

6 Claims. (Cl. 49—17)



1. In sheet glass apparatus, means for drawing a sheet of glass upwardly from a mass of molten glass, a pair of members positioned to engage opposite surfaces of the sheet as it is being drawn upwardly and while it is still in a semi-plastic condition, said members being arranged in different horizontal planes and adapted to have a wiping or smoothing action upon the opposite surfaces of said sheet to flatten or iron out any irregularities therein, and means for mounting said members to swing as a unit about a horizontal axis extending transversely of the sheet and in the path of travel thereof whereby to move them simultaneously toward and away from the sheet.

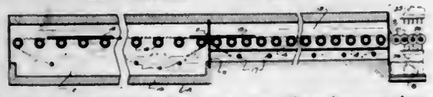
2,140,282

APPARATUS FOR TEMPERING GLASS

John L. Drake, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application December 26, 1935, Serial No. 56,172

11 Claims. (Cl. 49—45)



1. In apparatus for use in the tempering of sheet glass wherein the sheet is first heated to substantially the point of softening of the glass and then suddenly cooled, means for supporting and carrying the heated sheet forwardly, blower heads disposed at opposite sides of the path of travel of said sheet for directing blasts of air upon opposite surfaces thereof, and means for moving said blower heads in unison with the said sheet for cooling the same during the travel thereof.

2,140,283

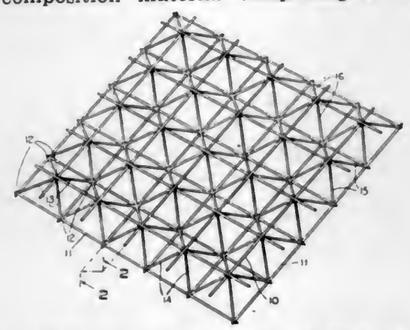
MONOLITHIC SLAB FLOOR CONSTRUCTION

Herbert Alfred Faber, Cincinnati, Ohio

Application November 21, 1936, Serial No. 112,102

6 Claims. (Cl. 72—71)

1. A floor construction comprising a monolithic slab of composition material having embedded therein a three dimensional network of structural members extending from end to end of the floor construction and secured peripherally to contiguous walls of the structure concerned, said composition material comprising a light



weight frangible mass forming the body of the slab and a mass of heavier weight and comparatively hard finish forming the floor surface of the slab.

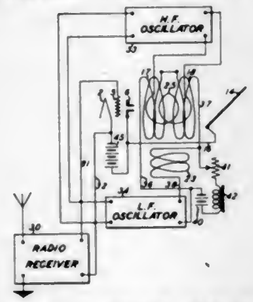
2,140,284

PROJECTING OSCILLIGHT

Philo T. Farnsworth, San Francisco, Calif., assignor to Farnsworth Television Incorporated, a corporation of California

Application July 14, 1931, Serial No. 550,653

15 Claims. (Cl. 178—7.5)



1. A system for projecting television images and the like comprising a cathode ray tube having means for generating a pencil of cathode rays, a screen sesitive to bombardment by said rays arranged within the tube obliquely with respect to said pencil of rays, means for focusing said pencil of rays to form a minute spot on said screen, means for deflecting said pencil, and means for altering the distance from said generating means at which said pencil is focused in consonance with said deflection to maintain the focus substantially in the plane of the oblique screen.

2,140,285

MULTIPLIER COUPLING SYSTEM

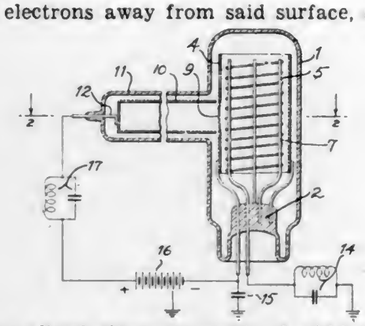
Philo T. Farnsworth, Springfield Township, Montgomery County, Pa., assignor to Farnsworth Television Incorporated, San Francisco, Calif., a corporation of California

Application March 22, 1937, Serial No. 132,330

14 Claims. (Cl. 250—36)

13. The method of abstracting power from an electron multiplier, which comprises oscillating a cloud of electrons against and away from a surface to produce secondary emission at a ratio greater than unity at each impact therewith, collecting a portion of said electrons, utilizing the energy of the collected portion to maintain oscillation of said cloud, directing another portion of

said electrons away from said surface, and collecting all velocity components of said latter electrons at substantially the same time.



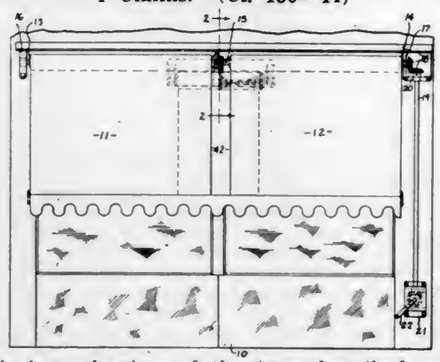
2,140,286

AWNING MECHANISM

Frank D. Frazee, Springfield, Ill., assignor to W. C. Armbruster, Springfield, Ill., doing business as R. H. Armbruster Mfg. Co.

Application January 16, 1936, Serial No. 59,357

4 Claims. (Cl. 156—44)



4. A mechanism of the type described comprising a pair of co-axial spaced apart rolls rigid with each other for rotation in unison, an awning sheet for each of said rolls attached at one end thereto for reeling upon and from the same in raising and lowering the awning, mechanism for rotating said rolls, a third roll disposed in staggered relation to said first-named rolls, a shaft rotatably engaged and co-axial with said last-named roll, a shade roller spring connecting said last-named roll with said shaft, gearing between the latter and said first-named rolls for causing all of said rolls to be rotated in unison in the same direction at substantially equal surface speed, an awning strip secured at one end to said last-named roll and spanning the gap between the first-named awning sheets, the latter and said strip being secured at their other ends to a bar common to all of them, said spring being adjustable to maintain said strip under tension at all positions of said sheets and strips and adapted to cause automatic take-up of stretch of said strip.

2,140,287

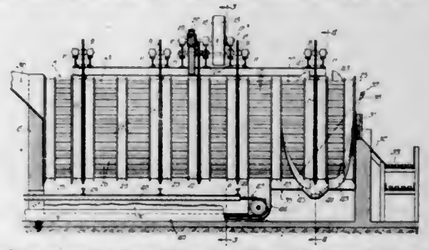
COMBINED BARKING AND WASHING DRUM

Herbert W. Guettler, Glencoe, Ill.

Application June 15, 1936, Serial No. 85,214

1 Claim. (Cl. 144—208)

In wood barking and washing means, a rotatably mounted barking drum structure comprising a dry barking portion and a washing portion, a shallow water pan extending beneath the washing portion and about the latter substantially concentric therewith and in proximity thereto provided with a central discharge spout depressed below the bottom of said structure, vanes on the



outside of said washing portion disposed to move wet bark in said pan from the ends thereof toward said spout, and a trough receiving material discharged from said pan through said spout.

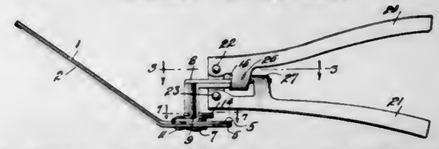
2,140,288

GRASS SHEARS

Ferdinand G. Heumann, Great Neck, N. Y.

Application August 19, 1937, Serial No. 159,863

7 Claims. (Cl. 30—257)



3. Shears comprising a pair of substantially flat cutting blades having rearwardly extending bearing surfaces oblique to the plane of said blades and pivoted together so that said bearing surfaces and pivot are held clear of the object to be cut when the blades are in normal cutting position, a spring acting on said blades to hold same in open position, a pair of actuating handles pivoted on said shears in a plane substantially perpendicular to the plane of said blades and disposed longitudinally of said blades, each of said handles being compressible with respect to the other and means actuated by the compression of said handles for closing said blades against the action of said spring.

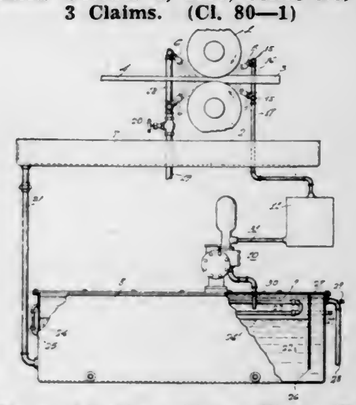
2,140,289

LUBRICATING AND COOLING SYSTEM FOR ROLLING MILLS

William T. Hurtt, Wilkinsburg, and Frederick G. Bannerot, Pittsburgh, Pa.

Application October 5, 1936, Serial No. 104,058

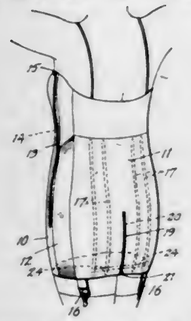
3 Claims. (Cl. 80—1)



1. The combination with a rolling mill roll, of means for respectively applying both a lubricant

and a coolant directly to the rolling surface of said roll, means for receiving the combined lubricant and coolant delivered from said rolling surface and for separating said lubricant and coolant, and means for delivering one of them to the corresponding first means.

2,140,290
GARMENT
Cora Lee Jasper, Bridgeport, Conn., assignor to The La Resista Corset Company, Bridgeport, Conn., a corporation of Connecticut
Application November 28, 1936, Serial No. 113,226
3 Claims. (Cl. 2—38)



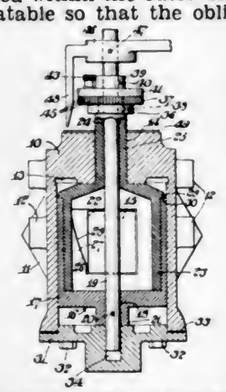
1. In a foundation garment, a front section, and a back section having a lower edge adapted to embrace the wearer below the hips, said back section having a centrally disposed vertical opening extending from the lower edge upwardly to a point below the upper edge, fastening means for securing said opening closed, and elastic means at each side of said opening adapted to separate and spread said opening when unsecured by said fastening means, the upper portion of said garment adapted to circumferentially embrace the figure in both the secured and unsecured position of said fastening means to retain the garment against vertical displacement in said unsecured position of said fastening means.

2,140,291
CALCIUM COMPOUND AND COMPOSITION SUITABLE FOR HYPOCALCEMIA ALLEVIATION
Glenn L. Jenkins, Baltimore, Md., assignor to Pitman-Moore Company, Indianapolis, Ind., a corporation
No Drawing. Application June 8, 1936, Serial No. 84,168
12 Claims. (Cl. 167—68)

11. A soluble calcium salt suitable for therapeutic purposes and having the properties described and the formula $[R(SO_3)_x]_yCa_z$, where x, y and z are each integers, x is greater than unity and y is 1 or 2 as x is even or odd, respectively, and z is one-half the product of x and y, and R is an alkyl radical containing more than two carbon atoms and of relatively low molecular weight.

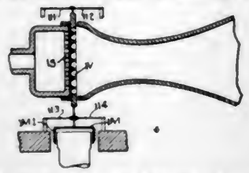
2,140,292
AIR OR GAS CONTROLLING VALVE
Jens Jensen, Philadelphia, Pa.
Application April 19, 1937, Serial No. 137,748
3 Claims. (Cl. 251—92)

1. An air and gas controlling valve comprising a casing having a valve plug chamber therein and opposite inlet and outlet ports communicating with said chamber, an outer cylindrical valve plug member rotatably mounted in said chamber and having a closed outer end except for a stem receiving hole and said member having oppositely positioned openings in its side walls which openings are substantially the same size and shape as the ports in the casing for selective registration therewith, an inner cylindrical valve plug member having a substantially closed inner end and provided with oppositely positioned openings in its side walls which openings are larger than the openings in the outer valve plug member and of such shape as to provide base edges and upper edges parallel with the base edges, and perpendicular side edges at one side of each opening and oblique edges at the opposite sides of the openings, said inner member being mounted within the outer member and selectively rotatable so that the oblique edge may



be projected across the openings in the outer member to partially close the openings in said outer member, a hollow shank carried by the inner end of the inner member and projecting through the casing, a valve stem passing through said shank and the outer wall of the outer member, means to fix said outer member to the stem, a collar connected to the projecting end of the stem, a flange on said collar and having an arcuate slot, a collar attached to the shank of the inner valve plug member, the flange of the last named collar underlying the flange of the first named collar, means projecting through the slot and cooperating with the flange of the collar attached to the shank whereby the inner valve plug member may be held in an adjusted position relative to the outer valve plug member, and means on the projecting end of the stem for rotating both of the valve plug members in unison.

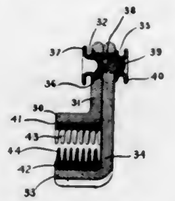
2,140,293
SOUND REPRODUCING DEVICE OF THE PNEUMATIC RELAY TYPE
Otto Kurt Kolb, Chiswick, London, and William John Rickets, Edgware, England, assignors to British Acoustic Films, Ltd., London, England, a British corporation
Application July 9, 1936, Serial No. 89,804
In Great Britain July 24, 1935
2 Claims. (Cl. 179—113)



1. A sound reproducing device of the pneumatic relay type having a single valve of the multi-port

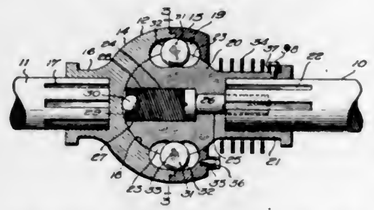
type, a fixed seating cooperating therewith to control the flow of a gas column from substantially zero value to a maximum, means for varying the valve opening proportionally between a position of closure and a half open position as the amplitude of the reproduced sound is varied, and means for superimposing the vibrations representing the sound wave-form on said amplitude movement.

2,140,294
REVERSIBLE TOOTH BRUSH
Albert Loeffler, New York, N. Y.
Application February 15, 1938, Serial No. 190,551
1 Claim. (Cl. 15—167)



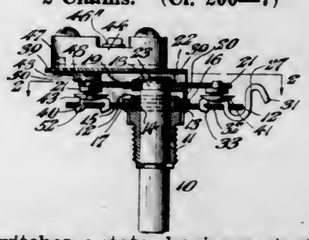
A toothbrush comprising an arcuately curved backing plate having brush elements set in its convex side to extend radially therefrom, a rigid integral shank extending at a right angle from one edge of said plate centrally thereof and having a circular opening in its outer end portion, a second arcuately curved plate of greater length and radius having radial brush elements set in its concave side facing the first named brush elements, a rigid integral shank extending at a right angle from one of the edges of said second backing plate in juxtaposition to the first named shank, said last named shank having a circular opening in its outer end portion of larger diameter than the opening in the first named shank, the mentioned openings having their axes offset from one another, a manually operable spindle having two circular portions of different diameter offset one from another and fitted to the respective openings in said shanks whereby said shanks may be moved relatively, and means for locking said spindle when adjusted.

2,140,295
UNIVERSAL JOINT
Logan L. Mallard, Norfolk, Va.
Application January 18, 1937, Serial No. 121,218
19 Claims. (Cl. 64—7)



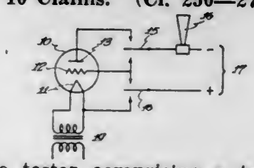
1. A universal joint comprising a socket, a ball arranged in said socket, the opposing faces of said ball and socket having grooves lying in planes coincident with the axes of the socket and ball, and a motion transmitting device arranged in each corresponding pair of grooves, each such device being disk-like in formation, and each having its diameter substantially in a plane passing through the axes of the shafts when the latter are aligned.

2,140,296
MULTIPLE SWITCH
Lee L. Manley, Philadelphia, Pa., assignor, by mesne assignments, to Hugh H. Eby, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application March 8, 1935, Serial No. 9,995
2 Claims. (Cl. 200—7)



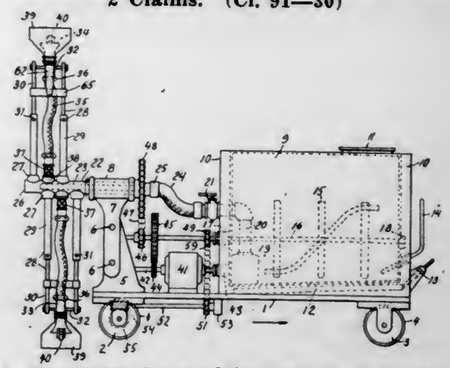
1. In switches, a stator having contacts, a rotor, a pin on the rotor, a wiping contact mounted on one end of the pin in position to engage stator contacts, a power switch fixed relative to the stator, an actuator operatively associated with the power switch and having a portion in the path of movement of said pin in position to be abutted by the pin to actuate the power switch in predetermined relative angular positions of the rotor and stator.

2,140,297
SHORT CIRCUIT TESTER FOR ELECTRONIC TUBES
Harold P. Manly, Niles Center, Ill.
Application May 11, 1936, Serial No. 79,060
10 Claims. (Cl. 250—27)



1. A tube tester comprising a testing circuit including two of the elements of an electronic tube, a source of current and an audible indicator in series with said elements; and means for preventing flow of emission current from affecting said indicator.

2,140,298
APPARATUS FOR COATING INTERIOR SURFACES OF TUBULAR STRUCTURES
Stuart P. Miller, Scarsdale, N. Y., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application March 18, 1936, Serial No. 69,481
2 Claims. (Cl. 91—30)



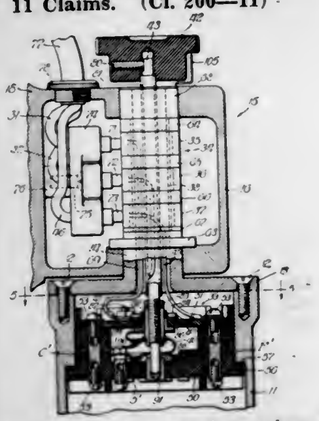
1. Apparatus for applying coating material to

the interior of tubular structures comprising a carriage, a tank for coating material on said carriage, a vertically adjustable bearing on said carriage disposed near one end thereof exteriorly of said tank, a hollow shaft rotatably mounted in said bearing and having one end communicably connected with said tank and the other end extending beyond the carriage, an applicator rotatably mounted on the said other end of said shaft and communicating therewith and means for sending coating material from said tank through said hollow shaft into and through said applicator.

2,140,299
REGULATOR APPARATUS FOR X-RAY MACHINES

Oscar H. Pieper, Rochester, N. Y.

Application February 8, 1937, Serial No. 124,644
11 Claims. (Cl. 200—11)



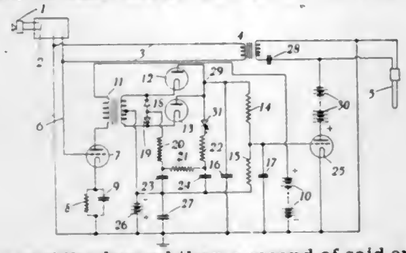
1. In combination, a support member, a housing, a hub carrying said housing and journaled in said support member, a plurality of slip rings carried by said hub in insulated spaced relation, insulating means mounted in said housing, a plurality of terminals carried by said insulating means, a plurality of conductors for interconnecting said slip rings and said terminals, a plurality of contact members carried by said insulating means for connection to electrical apparatus carried by said housing, a contact arm for selectively engaging said contact members, and a manually adjustable operating rod extending through said hub and said slip rings and operatively connected to said contact arm for moving the same.

2,140,300
PHOTOGRAPHIC SOUND RECORD AND RECORDING

Arnold Poulsen, Charlottenlund, near Copenhagen, Denmark, and Otto Kurt Kolb, Albert Stanley Pratt, and David Whitehead Boston, London, England, assignors to British Acoustic Films Limited, London, England, a company of Great Britain

Application September 15, 1937, Serial No. 163,938
In Great Britain November 17, 1936
7 Claims. (Cl. 179—100.3)

1. Apparatus for producing photographic sound records, comprising optical means for directing a variable light beam on to a recording surface, means for supplying to said optical means an alternating current corresponding with the sound waves to be recorded and a direct shift current in accordance with said sound waves and a plurality of circuits including electrical energy storage devices having different charging time constants and connected between said second-named means and said optical means and arranged so that the recovery curve of the shift current or voltage upon the reduction in amplitude of a sound of an appreciable amplitude is dependent for an interval of time upon the relatively rapid discharge of one of said energy storage devices which is

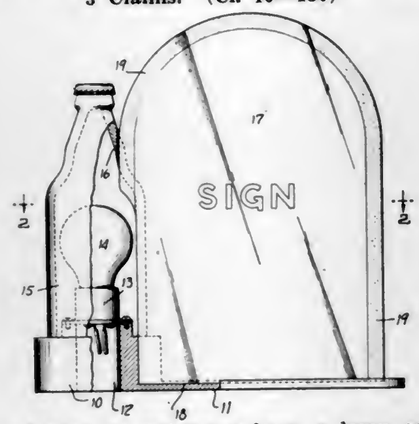


more rapidly charged than a second of said energy storage devices and is subsequently dependent upon the slower discharge of said second energy storage device which is more slowly charged, the magnitude of the shift current or voltage at which the change-over in conditions takes place being dependent upon the charge acquired by said second energy storage device.

2,140,301
SIGN

Ramsay G. Regester, Philadelphia, Pa., assignor to Gill Glass & Fixture Company, Philadelphia, Pa., a corporation of Delaware

Application August 18, 1938, Serial No. 225,511
3 Claims. (Cl. 40—130)



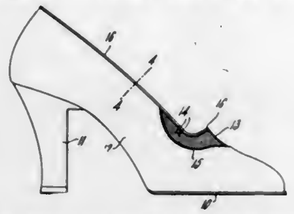
1. A sign comprising a base, a lamp socket and lamp bulb carried by the base, an opaque lamp receptacle above the base and having a slotted wall, an extension on the base below the slot, and an edge lighted indicia carrying plate extending into the slot and supported on the extension, the edge of the plate being beveled on the back side and coated with a colored pigment so as to present a colored peripheral band.

2,140,302
SHOE

Edward F. Roberts, Rye, N. Y., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application July 18, 1936, Serial No. 91,417
1 Claim. (Cl. 36—51)

A low shoe of the step-in or pump type adapted to stretch slightly in the throat area, and including in its construction an upper having the throat portion thereof formed of elastic material, the upper edge of the shoe being provided in the elastic throat area and along each side of the shoe with a finishing bead formed of a narrow strip of elastic fabric binding made with rubber threads, one edge of the binding being rolled under to conceal this edge at the outer



face of the shoe and the other edge being secured inside the shoe, said binding being secured to the upper edge of the shoe under sufficient longitudinal tension to exert a contractive force across the instep and at the sides of the shoe to thereby reduce the tendency of the shoe to gap at the sides of the foot.

2,140,303
CHUCK

Fred R. Swanson, Rockford, Ill., assignor to Sundstrand Machine Tool Co., Rockford, Ill., a corporation of Illinois

Application July 15, 1935, Serial No. 31,315
14 Claims. (Cl. 279—110)



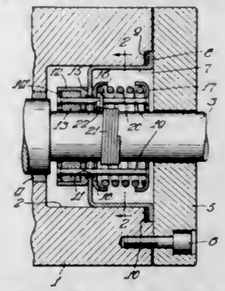
2. A chuck comprising, in combination, a body, a plurality of jaws, means for moving said jaws radially for clamping or unclamping a work piece, wedge means interposed between the body and the jaws when in work-clamping position for locking the jaws in clamping position and for transmitting the rotation of the body to the jaws, said wedge means increasing the clamping action of the jaws as the load on the chuck increases.

2,140,304
SHAFT SEAL

William W. Wishart, Holland, Mich.

Application January 9, 1937, Serial No. 119,716
4 Claims. (Cl. 286—7)

1. A seal for driving shaft of a compressor or the like having a stationary member surrounding and spaced apart from the shaft and a movable member coacting on opposite sides with the stationary member mounted upon the shaft to travel therewith, a portion of the movable member in the form of a stuffing box about the shaft, packing in said stuffing box, means under tension acting upon portions of the movable member to cause the movable member to coact with the stationary member and to form a frictional engagement of the packing with the shaft to rotate the

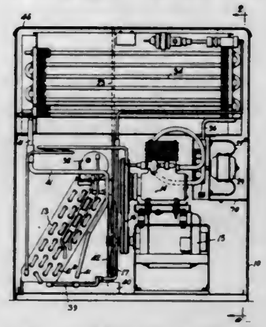


movable member therewith, and a coiled torsional spring mounted snugly about the shaft with one end secured to a portion of the movable member.

2,140,305
AIR CONDITIONING APPARATUS

Carlyle M. Ashley, Summit, and Sam F. Shawhan, Maplewood, N. J., assignors, by mesne assignments, to Carrier Corporation, Newark, N. J., a corporation of Delaware

Application June 5, 1936, Serial No. 83,776
12 Claims. (Cl. 62—129)



1. In an air conditioning unit, means for drawing air from the outdoor atmosphere and from an enclosure served by the unit to form a primary mixture, means for cooling said primary mixture, means for discharging said primary mixture in the form of a high velocity stream, means for inducing a relatively great secondary circulation of air withdrawn from the enclosure by the ejector action of said primary mixture discharged at high velocity, means for cooling said induced air, and means for supplying to said enclosure said primary mixture and said induced air.

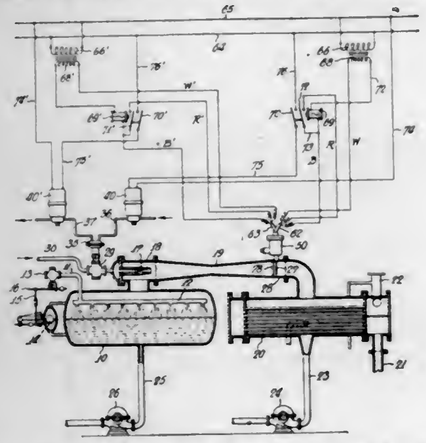
2,140,306
CONTROL OF GAS OR VAPOR COMPRESSORS

Albert E. Beals, Norwich, N. Y.

Application June 19, 1937, Serial No. 149,127
18 Claims. (Cl. 62—2)

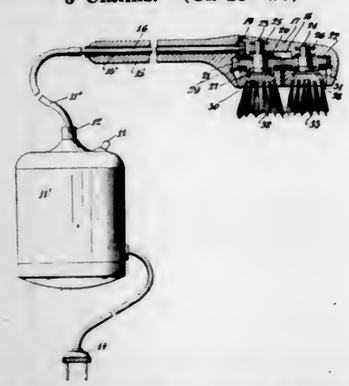
14. In a vapor jet refrigerating apparatus the combination of a thermo-compressor having a valve controlled steam jet nozzle, an evaporator connected to the inlet of said thermo-compressor, a condenser connected to the outlet of said thermo-compressor, an instrument responsive to impact variations of the discharging gas or vapor, and means for increasing the amount of motive steam supplied to said nozzle upon a decrease in

the intensity of said impact force and decreasing the amount of motive steam supplied to the nozzle



upon an increase in the intensity of said impact force.

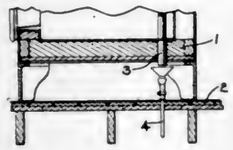
2,140,307
ELECTRICALLY OPERATED COMBINATION SET FOR THE DRESSING TABLE
Alfred O. Belaschk and Hermann K. Schoen, Corona, N. Y.
Application July 10, 1934, Serial No. 734,520
3 Claims. (Cl. 15—28)



1. In a motor operated tooth brush, a handle, a chambered brush head integral with said handle, spindles mounted in said brush head, said spindles being in parallel relation and spaced from one another, a gear on each spindle, the gear on one of said spindles meshing with the gear on the other of said spindles, means to drive said gears, a depending flange on each of said spindle gears, and a recessed brush back mounted on each of said gears by frictional engagement of the flange of its gear in the recess of said brush back, and a flange formed with the outer end of each spindle within the flange of its gear and spaced from the brush back.

2,140,308
REFRIGERATOR DRAIN
Charles F. Belshaw, Greenville, Mich.
Application January 24, 1936, Serial No. 60,631
5 Claims. (Cl. 137—21)

1. A drain construction adapted to be associated with a refrigerator having an outlet leading therefrom, the combination of, a hollow member of relatively large cross section at its top portion and relatively small cross section at its lower portion, said member being open at both of its ends, said upper open end adapted to receive water and sediment from a refrigerator, a tubular member tightly joined at its exterior surface to the periphery of the lower opening, said tubular member extending upwardly into the first

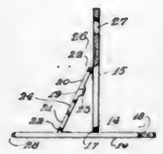


mentioned member to a medial point thereof and also extending downwardly therefrom, encircling means located about the said downwardly extending portion, a part of said encircling means being spaced from the tubular member whereby a trough is formed around the said tubular member, said aforesaid structure having one or more openings leading from the bottom of the trough into the interior of the said tubular member for the purpose described.

2,140,309
TREATING ZINCIFEROUS MATERIALS
Jesse O. Betterton and William H. Bitner, Metuchen, N. J., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application December 4, 1935, Serial No. 52,825
8 Claims. (Cl. 75—1)

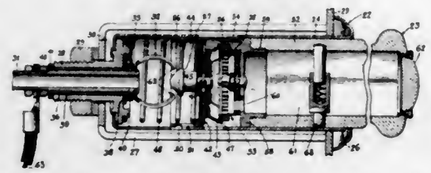
1. The method of treating zinciferous materials such as ores, concentrates, calcines, flue dusts and the like containing cadmium and lead which comprises forming a bed of such material and heating said bed in a continuous manner to fuming temperature of cadmium and lead but below sintering temperature of the bed, while controlling the atmosphere in and around the bed by the addition of an amount of sulphide providing sulphur in stoichiometrical excess of the oxygen present in said atmosphere.

2,140,310
RELAXER
Elward D. Brown and Grace H. Brown, Brooklyn, N. Y.
Application January 14, 1937, Serial No. 120,576
4 Claims. (Cl. 155—169)



3. In a relaxing device, stand-up and supporting members hingedly connected and provided with means for forming an adjustable hinged connection between one another, a collapsible brace hingedly connected with both members and comprising short and long interhinged arms, the longer arm provided with means for accommodating and forcibly engaging the hinge connection formed between the short arm of the brace and to one of the members.

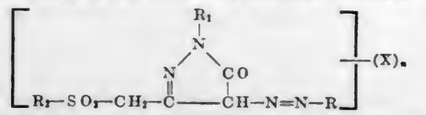
2,140,311
CIGAR LIGHTER
Joseph H. Cohen, Bridgeport, Conn., assignor to Automatic Devices Corporation, Bridgeport, Conn., a corporation of Connecticut
Original application July 23, 1932, Serial No. 624,193, now Patent No. 2,117,703, dated May 17, 1938. Divided and this application January 2, 1937, Serial No. 118,838
27 Claims. (Cl. 219—32)



25. A cigar lighter having two parts, one of said parts being a holding device and the other of said parts being an igniting unit supported by the holding device but removable therefrom for use, said igniting unit having a heating element thereon; cooperating contacts on the holding device and the igniting unit to normally establish circuit connections between the said two parts; and a switch for closing an energizing circuit including said contacts and heating element, said switch being movable to closed-circuit position by manual engagement of a portion of the igniting unit which is accessible while the igniting unit is supported on the holding device, thermostatically controlled and automatically restored to open-circuit position when the heating element has been heated for use, said switch being entirely carried by solely one and the same of the said two parts of the cigar lighter, so that all component parts of the switch remain in predetermined operative relation to each other in a single operative assembly irrespective of the interchange of said igniting unit or holding device with other like igniting units or holding devices.

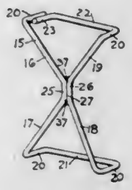
2,140,312
AZO DYESTUFF
Detlef Delfs, Leverkusen-I. G. Werk, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application December 2, 1936, Serial No. 113,838. In Germany December 7, 1935
5 Claims. (Cl. 260—162)

1. Watersoluble monoazodyestuffs having in the free state the following general formula:



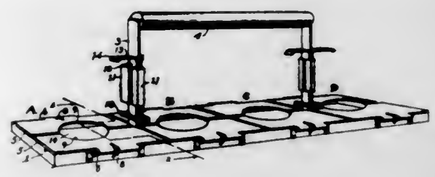
wherein R means the radical of a diazotization component, R_1 and R_2 mean members selected from the group consisting of lower aliphatic saturated hydrocarbon radicals, radicals of the benzene series and hydroxy-, alkoxy-, aryloxy-, sulfonic acid-, carboxylic acid-, amino-, alkylamino-, acylamino-, nitro- and halogen-substitution products of the radicals of the benzene series, X means a member selected from the group consisting of the sulfonic acid group and the carboxylic acid group, and n means a whole number, being in form of their alkali metal salts in general yellow to brown powders, dyeing the animal fiber in general yellow shades of good fastness properties.

2,140,313
METAL STUD AND JOIST
Charles E. Dellenbarger and Milton Mannist, Philadelphia, Pa.; said Mannist assignor to said Dellenbarger
Application October 28, 1937, Serial No. 171,456
9 Claims. (Cl. 72—115)



7. A stud or joist comprising longitudinal metal corner members, braces formed of wire and positioned transversely at spaced intervals throughout the length of said corner members, foot members upon said braces adjacent to each corner member and extending parallel with the latter, struts positioned obliquely to the length of said corner members and extending between foot members of adjacent braces, and means securing said foot members to the corner members.

2,140,314
CONTAINER HANDLING DEVICE
Bernhard F. Döscher, Santa Cruz, Calif.
Application May 21, 1937, Serial No. 144,019
4 Claims. (Cl. 294—87)

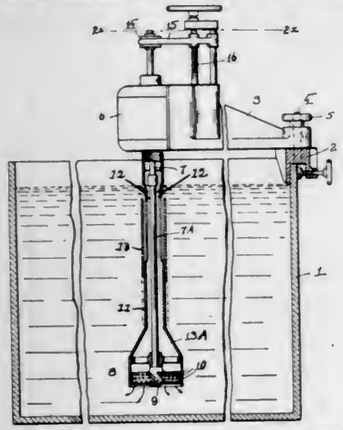


1. A bottle carrier comprising, a rectangular frame provided with spaced cross-bars having upstanding members mounted thereon and handle connecting said members, bottle-neck engaging leaf members pivotally mounted on opposing sides of the frame, resilient means disposed to urge the leaves into engagement with said frame and cross-bars, and an operating bar having a laterally directed finger-piece on its upper end slidably mounted on each side of each upstanding member, each operating bar being provided with means to engage two opposed leaves to raise the same when the bar is moved upwardly.

2,140,315
MIXING APPARATUS
Lewis L. Dollinger, Rochester, N. Y.
Application July 27, 1936, Serial No. 92,730
1 Claim. (Cl. 259—97)

A mixing apparatus comprising a motor, a propeller shaft operatively connected to said motor and movable endwise thru said motor, a propeller carried by said propeller shaft, a collapsible tube surrounding said propeller shaft between said motor and said propeller so as to permit its extension and contraction on the endwise movement of said propeller shaft, one end of said collapsible tube being held fixed and the other end of said

tube being connected to said propeller shaft to be movable endwise therewith, said tube having



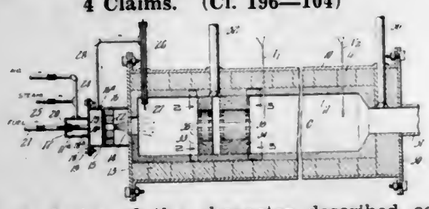
an inlet and an outlet for the passage of liquid or semi-liquid therethru.

2,140,316

APPARATUS FOR CONVERTING HYDROCARBONS

Joseph P. Furlong, Pawtucket, R. I., assignor to Amarel Corporation, Newark, N. J., a corporation of Delaware

Application February 12, 1936, Serial No. 63,475
Renewed July 9, 1938
4 Claims. (Cl. 196—104)



1. A device of the character described comprising an elongated chamber, means for introducing combustible mixture into said chamber at one end thereof, an outlet at the other end of said chamber, a pair of partitions in said chamber defining a receiving zone of the same cross-section as said chamber, and means for introducing hydrocarbons into said receiving zone, each partition having a single passageway of substantially less cross-section than said zone and of greater length in the direction of flow through said chamber than the distance between said partitions.

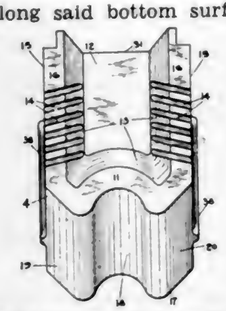
2,140,317

STOKER

Clifford E. Harrison, Philadelphia, Pa., assignor to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania

Application January 16, 1935, Serial No. 2,033
5 Claims. (Cl. 110—44)

1. A furnace tuyère block of approximately rectangular form, having when in operated position substantially flat vertical side surfaces, and substantially horizontal top and bottom surfaces, and being provided with passages for draft air extending along said top and bottom surfaces and inwardly from said side surfaces, a slag ledge projecting outwardly from each of said side surfaces and intermediate said top and bottom surfaces for diverting slag away from said passages extending along said bottom surface, and said



tuyère block having a nose portion of substantially sinuous construction.

2,140,318

2,2′ - DIMETHYL - 4,4′ - DIHYDROXY - PARAPHENANTHROLIN AND MANUFACTURE THEREOF

Hans Henecka, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application June 25, 1937, Serial No. 150,333. In Germany July 8, 1936
5 Claims. (Cl. 260—40)

1. The process which comprises heating para-phenylene-bis-β-aminocrotonic acid ester in the presence of a diluent which is inert to the starting material to a temperature from about 200° to about 300° C.

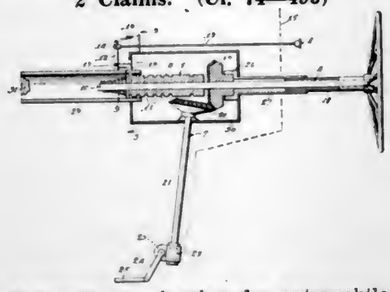
5. 2,2′-Dimethyl - 4,4′-dihydroxy - para-phenanthrolin, which forms a crystalline white powder.

2,140,319

STEERING MECHANISM

George J. Heppner, San Francisco, and Edwin Ford Chase, Auburn, Calif.

Application October 23, 1937, Serial No. 170,512
2 Claims. (Cl. 74—493)



1. A steering mechanism for automobiles comprising a steering wheel, a shaft on which said wheel is mounted, a sleeve in which said shaft is axially movable, a bearing in which said sleeve is rotatably mounted, spring means acting between said sleeve and shaft for resisting axial movement of the shaft in the sleeve to cushion impact on the steering wheel, and transmission means between said shaft and the guiding wheel of an automobile.

2,140,320

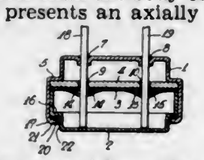
SEAL

Frank Keidel, New York, N. Y., assignor to The International Seal and Knot Protector Co., New York, N. Y., a corporation of New York

Application February 3, 1938, Serial No. 188,447
1 Claim. (Cl. 292—318)

A sealing device of the class described, including a shackle, and a seal casing made up of an outer cup, an inner cup having a peripheral wall

slidable within the other cup, and locking means for retaining said shackle within said casing, the outer end portion of said inner cup being of smaller diameter than the body of the cup whereby the latter presents an axially facing shoulder



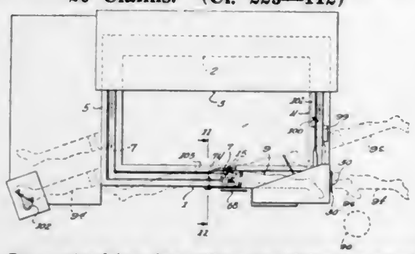
adjacent to but spaced from the end wall of said inner cup, and the free edge portion of the peripheral wall of said outer cup being bent inwardly and engaging said shoulder below said end wall and with its edge abutting the peripheral wall of said end portion of the inner cup.

2,140,321

STOCKING BOARDING MACHINE

Fredrick G. Kommrusch, Milwaukee, Wis.

Application November 22, 1937, Serial No. 175,875
20 Claims. (Cl. 223—112)



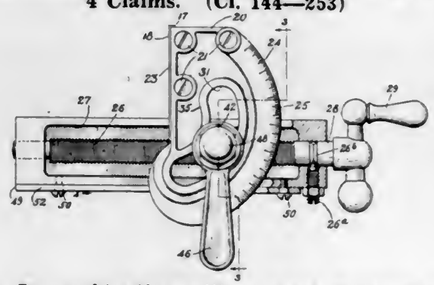
1. In a stocking boarding machine, a stocking board, a carriage for said board, cuff holding means for temporarily holding the cuff of a stocking, and means for advancing said carriage and inserting said board into the stocking while the cuff of the stocking is held by said cuff holding means.

2,140,322

WOODWORKING MACHINE

John H. Lonskey, Ypsilanti, Mich., assignor to Central Specialty Co., Ypsilanti, Mich., a corporation of Michigan

Application February 10, 1936, Serial No. 63,060
4 Claims. (Cl. 144—253)



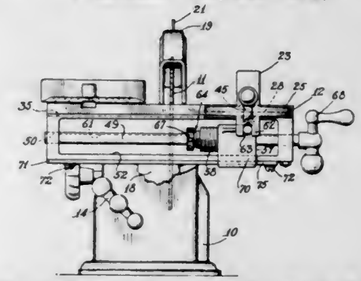
1. In combination with a wood working machine provided with a work-receiving table and a cutting tool, a rotatable shaft mounted adjacent one end of the table and extending transversely thereof, a sleeve mounted on said shaft, means including cooperating parts on said shaft and sleeve for effective axial movement of said sleeve along said shaft upon rotation of said shaft, a manual operating handle for said shaft, a vertically positioned plate having an arcuate slot formed therein, a threaded stud projecting laterally from said sleeve and extending through said slot, means including a nut threaded on said stud for clamping said plate on said sleeve in various adjusted positions thereof, means including a manually operable locking lever for moving said nut, said locking lever being provided with a socket portion movable axially along said stud into and out of operative position with respect to said nut, and a fence rigidly secured to said plate and extending over the table.

2,140,323

WOODWORKING MACHINE

John H. Lonskey, Ypsilanti, Mich., assignor to Central Specialty Co., Ypsilanti, Mich., a corporation of Michigan

Application August 6, 1936, Serial No. 94,609
7 Claims. (Cl. 143—174)



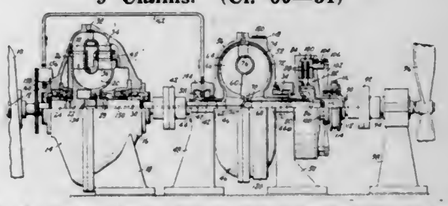
2. In combination with a wood working machine provided with a work-receiving table and a cutting tool, a fence extending horizontally over the table, a plate rigidly secured to said fence adjacent one end thereof, a rotatable shaft extending transversely of the table adjacent one end thereof, a sleeve mounted on said shaft, means including cooperating parts on said sleeve and shaft for effecting axial movement of said sleeve along said shaft upon rotation of said shaft, and means including a depending yoke on said plate engaging a lateral projection on said sleeve for detachably connecting said plate to said sleeve.

2,140,324

HYDRAULIC POWER DRIVE

Alf Lysholm, Stockholm, Sweden, assignor to Aktiebolaget Ljungstroms Angturbin, Stockholm, Sweden, a corporation of Sweden

Application February 6, 1935, Serial No. 5,193
In Germany February 12, 1934
9 Claims. (Cl. 60—54)



1. A power drive including a hydraulic transmission for transmitting power in one direction only, a hydraulic reversing mechanism for reversing the direction of drive from said transmission to a driven element, said transmission and said reversing mechanism each having a working chamber and impeller blades and impelled blades located in said chamber, means for maintaining said chambers filled with operating fluid under all conditions of drive and means for selectively rendering said hydraulic reversing mechanism inoperative to transmit power.

2,140,325

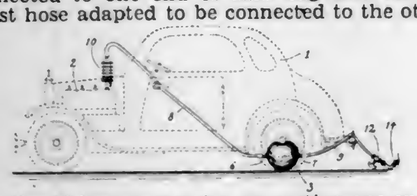
PNEUMATIC JACK

Robert V. Morse, Ithaca, N. Y.

Application August 3, 1935, Serial No. 34,507
8 Claims. (Cl. 121—46)

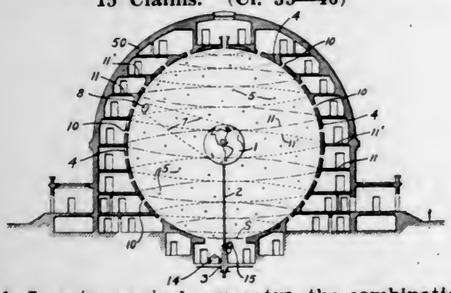
1. A pneumatic jack, comprising in combina-

tion an inflatable bag having a hose connection at one end and another hose connection at the opposite end, and an intake hose adapted to be connected to one end of said bag and an exhaust hose adapted to be connected to the other



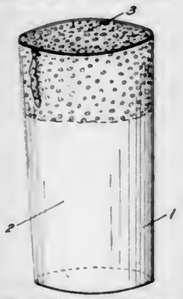
end of said bag, means for connecting one end of the intake hose to a pump, and a control valve at the other end of the exhaust hose whereby a jack is constructed substantially entirely of flexible materials in tension, so as to be of minimum weight for a given lifting power.

2,140,326
COSMOSARIUM
Robert V. Morse, Ithaca, N. Y.
Application May 15, 1936, Serial No. 79,824
15 Claims. (Cl. 35—46)



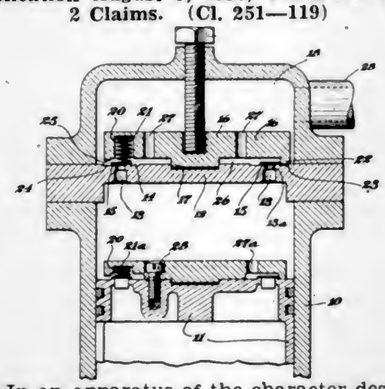
1. In astronomical apparatus, the combination of a hollow celestial globe having a darkened opaque inside surface and having lighted stars represented on said darkened opaque inside surface, a terrestrial globe inside said celestial globe, and means by which an observer located closely adjacent the celestial globe on the outside of the surface on which the stars are shown may look through between adjacent stars and see the stars on the opposite interior wall of the celestial globe and simultaneously see the terrestrial globe against a dark background, whereby the earth may be represented against the blackness of abysmal space.

2,140,327
JOKE BEER
William Angell Mould, Loughborough Junction, Camberwell, London, England
Application March 5, 1938, Serial No. 194,034
8 Claims. (Cl. 272—8)



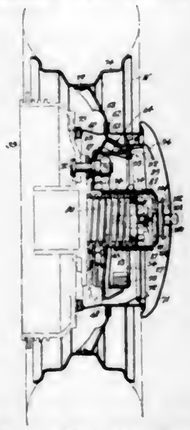
6. An imitation glass of beer consisting of a container having material imitating the liquid and foam of a beer mounted therein.

2,140,328
VALVE CONSTRUCTION
Albert Williams Mozier, Plainfield, N. J., assignor, by mesne assignments, to Carrier Corporation, Newark, N. J., a corporation of Delaware
Application August 5, 1936, Serial No. 94,353
2 Claims. (Cl. 251—119)



1. In an apparatus of the character described, a cover member, a valve guide member mounted adjacent said cover member, gas port means formed in said cover member, an annular disc valve adapted to control gas flow through said port means, spring means for urging said valve toward said port means, a chamber formed between said cover member and said guide member, the outside diameter of said chamber being approximately equal to the outside diameter of said valve, said chamber being adapted to receive gas from said port means subsequent to the opening of said valve, and a plurality of passages for discharging gas delivered through said port means upon opening of said valve, at least some of said passages being formed between said cover member and guide member and extending radially outwardly from said chamber, the total area of all of said passages being less than the area for gas flow afforded by maximum opening of said valve, whereby flow of gas delivered from said valve is restricted.

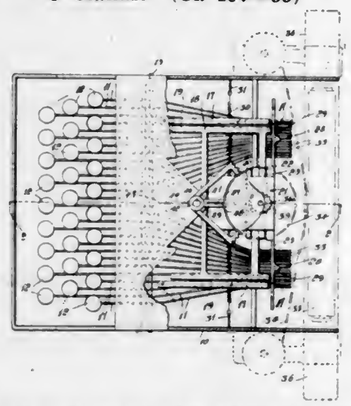
2,140,329
WHEEL SECURING DEVICE
Thomas C. McVeagh, Honolulu, Territory of Hawaii
Application December 20, 1935, Serial No. 55,476
9 Claims. (Cl. 301—9)



1. In a detachable wheel securing device, a hub structure comprising a hub member having a

plurality of circumferentially spaced radially extending securing sectors, each of said sectors consisting of a radial web portion merging successively into a base flange extending parallel to the axis of the hub, an upstanding flange arranged at an angle to a radial line, an inclined seat portion, a flange depending radially inwardly from said seat portion, a second base flange extending substantially parallel to the axis of the hub, and a flange extending radially outwardly but at a slight angle to a true radial line, a hub housing constituting a part of a wheel, said housing having equidistantly spaced radial sectors, there being one for each of said hub sectors, and each housing sector having portions corresponding to the aforesaid portions of the hub sectors which engage therewith, to prevent relative axial movement of the housing with respect to the hub, and means movable into engagement with said hub and housing sectors when they are engaged as aforesaid, to prevent relative rotational movement of the housing with respect to the hub, said means being movable out of engagement with said sectors so that said wheel may be dismounted from the hub.

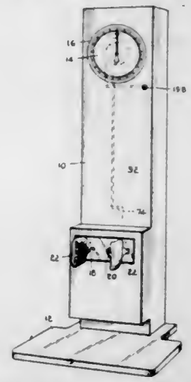
2,140,330
TYPEWRITER
Winifred M. Patton, Chicago, Ill.
Application August 19, 1937, Serial No. 159,954
6 Claims. (Cl. 197—55)



1. A machine of the class described having depressible lever means, a movable spider, a plate engageable by the lever means along cam surfaces to move the plate laterally and longitudinally, means to move the spider through longitudinal movement of the plate, printing means on the spider, mechanism to center the printing means through the lateral movement of the plate, the longitudinal movement of the plate being subsequent to the lateral movement to effect a printing operation.

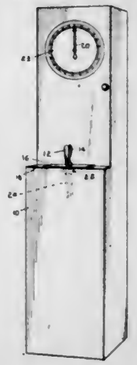
2,140,331
STRENGTH TESTING MACHINE
William Rabkin, New York, N. Y.
Application January 9, 1937, Serial No. 119,780
8 Claims. (Cl. 265—22)

1. Apparatus of the class described comprising a member movable from retracted position to projected position, a yieldable resistance opposing the movement of said member to projected position, means for projecting said member comprising a rotary shaft and a connection between said shaft and member for moving the latter when the shaft is rotated, a lever for rotating said shaft having two lever arms, a pair of levers pivotally mounted intermediate their ends whereby each lever has two arms arranged for movement toward and away from the corresponding arms, respectively, on the companion lever, one arm on each lever terminating in an



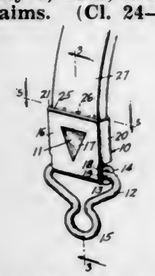
end portion arranged to be manually engaged for actuating said pair of levers, a link pivotally connecting the other arm of one of said pair of levers to one arm of said first lever, and a link pivotally connecting the other arm of the other of said pair of levers to the other arm of said first lever.

2,140,332
STRENGTH TESTING MACHINE
William Rabkin, New York, N. Y.
Application January 9, 1937, Serial No. 119,781
17 Claims. (Cl. 265—20)



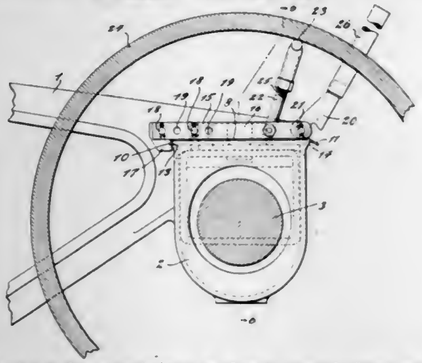
1. Apparatus of the class described comprising a member movable from retracted position to projected position, a yieldable resistance opposing the projection of said member, a rack carried by said member for moving the same, means including a gear meshing with said rack for projecting said member, manual means for actuating said projecting means, means for indicating the force exerted on said manual means for projecting said member, mechanism operated by said member for actuating said indicating means to move the latter in one direction from initial position thereof, comprising a rack movable from retracted position to projected position, said second rack in its retracted position having one end spaced from said member in the retracted position of the latter and operatively engageable by said member only after a limited movement thereof.

2,140,333
CONNECTER FOR HANDLE STRAPS
Daniel I. Reiter, New York, N. Y.
Application May 3, 1938, Serial No. 205,674
2 Claims. (Cl. 24—265)



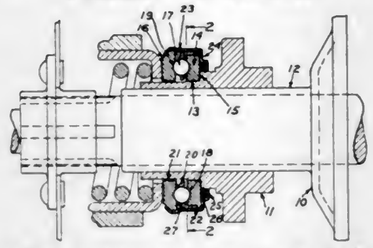
1. A one-piece sheet metal connecter for use in hingedly connecting the flat unlooped end of a handle strap to a swivel link comprising a substantially rectangular front portion having an opening therein through which the strap end inserted into the connecter is visible, a series of prongs on one end of said front portion, a completely closed cylindrical loop bent towards said prongs and through an angle of substantially 360° at the other end of said front portion, rearwardly extending sides at the side edges of said front portion, and a pair of rear plates each extending from one of the sides and at an obtuse angle thereto, each of said plates being of a width equal to more than half the width of said front portion, one of said plates having a free edge portion extending past and rearwardly of the corresponding rear edge portion of the other plate, and forwardly-extending prongs on said free edge portion of said other plate, said plates being bendable toward the front plate and into parallel relation thereto and said front portion, loop, sides and plates forming a compartment open at one end only for the reception of the strap end.

2,140,334
TOOL FOR APPLYING DUST GUARD CAPS TO JOURNAL BOXES
Joseph J. Root, Jr., Chicago, Ill., assignor to Union Tank Car Company, Chicago, Ill., a corporation of New Jersey
Application December 31, 1936, Serial No. 118,515
1 Claim. (Cl. 81—15)



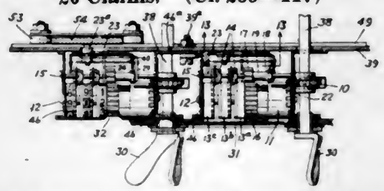
A tool for applying a sheet metal dust guard cap to a journal box supported by a flanged wheel, said tool comprising a body having a surface adapted to contact with said cap and having a fixed hook at one end adapted to engage a bent end of the cap and hold it against an edge of said box, a brace secured to the body and having a head adapted to engage the interior of said flange to force said surface of the body against the cap and thus force the cap against the box, and a second hook pivoted to said body adjacent the other end thereof and movable towards and away from said box, the distances between said fixed hook and said pivot and the distance between said pivot and said pivoted hook being such that when said pivoted hook is moved toward said box it may bend the other end of said cap against another edge of the box.

2,140,335
BEARING
Otto R. Schoenrock, Chicago, Ill.
Application September 13, 1935, Serial No. 40,357
7 Claims. (Cl. 308—233)



1. A thrust bearing comprising a shaft, a race ring secured to said shaft, a complementary race ring loose on said shaft, complementary race grooves in the opposed faces of said rings, an annular row of balls mounted in said grooves, a retainer ring for the balls, a flange on said retainer ring engaging the periphery of one of said race rings for retaining said balls in concentric alignment with the grooves in said race rings, and a shell secured to said loose ring and associated with said fixed ring for holding said loose ring in spaced relation with respect to said shaft.

2,140,336
COUNTER
Ransom F. Shoup, Ardmore, Pa., assignor to The Shoup Voting Machine Corporation, Philadelphia, Pa., a corporation of Delaware
Application January 9, 1937, Serial No. 119,720
20 Claims. (Cl. 235—117)

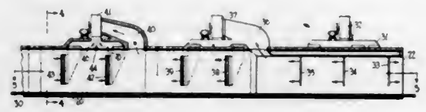


1. In a counter, operatively connected number wheels including a units member, an actuating member, an adjustable actuating pinion in one position driving the units member from said actuating member and movable out of driving relation therebetween, and means for locking said pinion on the same one of said members in either position of said pinion.

2,140,337
OVEN AND SYSTEM OF VENTILATION THEREFOR
Howard E. Somes, Detroit, Mich.
Original application December 20, 1934, Serial No. 758,413. Divided and this application March 12, 1936, Serial No. 68,426
4 Claims. (Cl. 34—46)

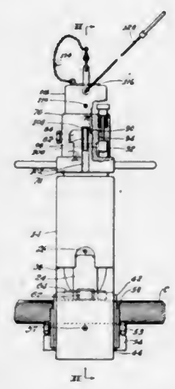
2. An oven comprising a tunnel-like enclosure

open at its ends, a plurality of electrically actuated heating elements disposed at spaced intervals within said enclosure, a ventilating system comprising a system of ducts including an air inlet duct and an air exhaust duct, each having their terminal ends open to the atmosphere outside of said enclosure, intermediate passages communicating with said inlet and exhaust ducts and



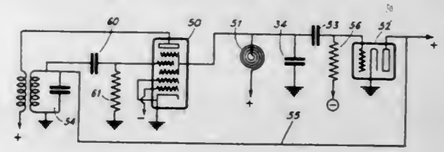
having directional discharge openings on opposed side walls of said enclosure arranged to direct the flow of air in counterflow to the direction of work passing through the oven, inlet openings on the top thereof, and a series of power driven fans housed within said ducts and adapted to feed fresh outside air to said enclosure from said inlet duct.

2,140,338
CABLE CUTTER
Robert Temple, Jr., Pittsburgh, Pa.
Application April 19, 1937, Serial No. 137,711
17 Claims. (Cl. 164—47)



1. A portable shear for cutting cables and the like comprising a C-shaped frame having opposed legs, a barrel removably and adjustably carried by one leg of the frame and having its axis extending toward the other leg, a piston slidably mounted in the barrel, a male cutting die removably secured to the end of the piston adjacent the said other leg of the frame, a female cutting die removably secured to the said other leg of the frame, the female die having an open saddle adapted to receive a cable or the like and hold it bridged over the opening in the female die, shearable means positioned between the male and female cutting dies for holding the piston against movement until a predetermined force on the piston has been exceeded, a breech associated with the barrel and adapted to receive an explosive charge which when detonated drives the piston, a breech block slidably mounted on the breech for movement substantially at right angles to the piston, means carried by the breech for detonating an explosive charge, means operable by movement of the breech block for ejecting the detonated explosive means from the breech, and means for clamping a cable or the like in the saddle of the female die.

2,140,339
FREQUENCY CONTROL CIRCUITS
Charles Travis, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application October 3, 1935, Serial No. 43,359
12 Claims. (Cl. 250—36)



1. In combination with an electron discharge tube including a resonant circuit for tuning it to a desired wave frequency, means for electrically varying the frequency of the resonant circuit, which means comprises an electron discharge tube, a reactance of a predetermined sign disposed in the output circuit of said first tube, said reactance being free of any reactive coupling to said resonant circuit, the input electrodes of said second tube being connected across said reactance, a high frequency feedback path connected between the output circuit of said second tube and said resonant circuit whereby a reactance is reflected across the resonant circuit which bears a predetermined relation to the reactance in the output circuit of said first tube, and means for varying the gain of the second tube over a range of values sufficient to vary the magnitude of the reflected reactance so as to produce a wide frequency variation of said resonant circuit.

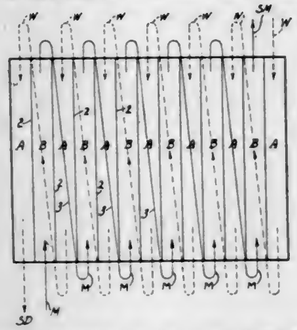
2,140,340
PRODUCTION OF GRANULAR FERTILIZERS
Friedrich Vogel, Mannheim, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application March 28, 1936, Serial No. 71,453. In Germany April 6, 1935
3 Claims. (Cl. 71—61)

1. Process for the production of granular mixed fertilizers comprising tumbling in a rotary receptacle a moist composition of from about 15 to about 60 per cent by weight of a mixture of calcium carbonate and magnesium carbonate in a molecular ratio between about 2:1 and about 1:2 with from about 85 to about 40 per cent by weight of ammonium chloride and water sufficient to moisten the composition and to effect granulation thereof.

2,140,341
PROCESS FOR TREATING MATERIALS
Roger N. Wallach, Briarcliff Manor, and Justin Zender, Irvington, N. Y.; said Wallach assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia, and said Zender assignor to Stauffer Chemical Company, New York, N. Y., a corporation of California
Application October 28, 1937, Serial No. 171,542
4 Claims. (Cl. 127—54)

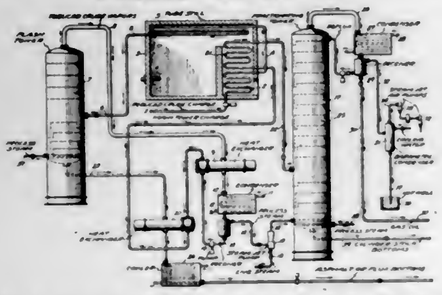
1. A process of extracting sugar from molasses by dialysis comprising passing molasses and water countercurrently on opposite sides of and in con-

tact with a non-fibrous cellulose hydrate mem-



brane, the molasses being maintained under a greater pressure than the water.

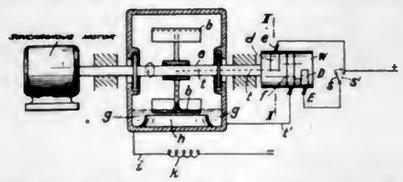
2,140,342
DISTILLATION PROCESS FOR HYDROCARBON OILS
John S. Wallis and Charles T. Chave, New York, N. Y., assignors, by mesne assignments, to American Locomotive Company, New York, N. Y., a corporation of New York
Application February 23, 1934, Serial No. 712,536
5 Claims. (Cl. 196—77)



5. A process for distilling hydrocarbon oils which comprises, heating a hydrocarbon oil, vaporizing relatively low boiling hydrocarbons of the heated oil in a flash zone, separately removing unvaporized oil and oil vapors from the flash zone and diverting the unvaporized oil from the process, cooling the removed vapors in a condensing zone to form a vapor condensate, maintaining a sub-atmospheric pressure in the flash and condensing zones by entraining vapors uncondensed in said condensing zone with a steam jet, discharging the jet steam and entrained vapors into a fractionating zone, heating the vapor condensate, introducing the heated condensate into said fractionating zone wherein the absolute pressure in the region of introduction of the heated condensate to said zone is higher than that in said flash zone and fractionating the condensate in said fractionating zone.

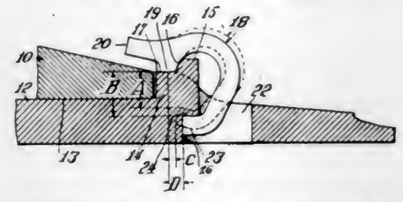
2,140,343
CIRCUIT-BREAKER FOR REGULATING THE INTENSITY OF AND RECTIFYING ELECTRIC CURRENTS
Paul Wangemann, New York, N. Y.
Application December 27, 1929, Serial No. 416,937
Renewed November 16, 1937. In Germany January 4, 1929
4 Claims. (Cl. 200—32)

1. An interrupter for periodically breaking electric currents, comprising a rotatable metal to metal break point including a rotatable partial slip ring and an adjustable brush for said slip ring, and a metal to electrolyte break point in-



cluding an electrode synchronously rotatable with the slip ring, and a series connection between the metal to metal break point and the metal to electrolyte break point.

2,140,344
TIE PLATE AND RAIL CLIP
George T. Willard, Chicago, Ill.
Application August 27, 1936, Serial No. 98,122
12 Claims. (Cl. 238—304)



1. The combination of a tie plate provided with a rail base abutment rib which is formed on its top surface with an upstanding projection which extends lengthwise of the rib and is spaced from the inner vertical face thereof so as to provide a shelf and an abutment extending upwardly therefrom, there being an opening through the plate adjacent the rib, the lower portion of which opening is enlarged laterally to provide a shoulder; and a resilient clip formed at its upper end with a portion for overlying the rail base and a portion adapted to seat on the said shelf and bear against the inner face of said upstanding projection and formed at its lower end with an angularly disposed portion for engagement with said shoulder and with a part adapted to abut against a part of the tie plate to limit the inward movement of the said lower end of the clip relative to the upper end, whereby the said clip, in its applied position, is tensioned laterally between the inner face of said upstanding projection and the said part of the plate which limits the inward movement of the lower portion of the clip.

2,140,345
CONTROLLING TEMPERATURE OF NITRATION REACTIONS
Philip G. Wrightsman, Chester, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 1, 1934, Serial No. 755,585
5 Claims. (Cl. 260—688)

1. The process for controlling the reaction temperature in the nitration of organic compounds to produce an explosive, which comprises maintaining the reaction mixture in direct heat exchange relationship with a single liquid cooling medium taken from the group consisting of nitric acid, sulfuric acid and phosphoric acid, said cooling medium being out of direct contact with said reaction mixture.

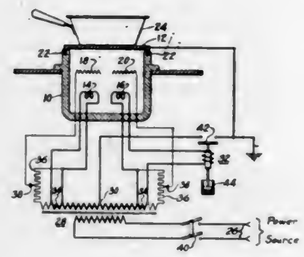
2,140,346
PROCESS OF STABILIZING CARBOHYDRATE DERIVATIVES
Rudolph S. Bley, Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 22, 1937, Serial No. 175,980
16 Claims. (Cl. 260—102)

1. The process of stabilizing a crude carbohydrate derivative which comprises introducing a saturated carbohydrate derivative selected from the group consisting of carbohydrate esters and ethers into anhydrous, liquid ammonia and subsequently separating said ammonia from said derivative, said derivative being substantially insoluble in said ammonia.

2,140,347
PROCESS OF STABILIZING CELLULOSE TRIACETATE
Rudolph S. Bley, Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 22, 1937, Serial No. 175,981
13 Claims. (Cl. 260—102)

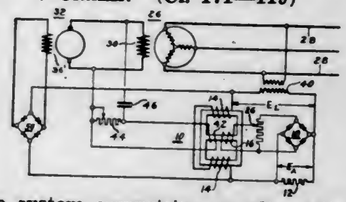
1. The process of purifying and at the same time stabilizing a crude cellulose triacetate which comprises introducing a solid cellulose triacetate containing cellulose diacetate and an acid catalyst into anhydrous, liquid ammonia to remove said diacetate by dissolution and said catalyst by neutralization from said triacetate, and subsequently separating said ammonia containing said diacetate and said catalyst from said cellulose triacetate.

2,140,348
ELECTRONIC COOKING DEVICE
Earl K. Clark, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 31, 1936, Serial No. 93,594
8 Claims. (Cl. 219—19)



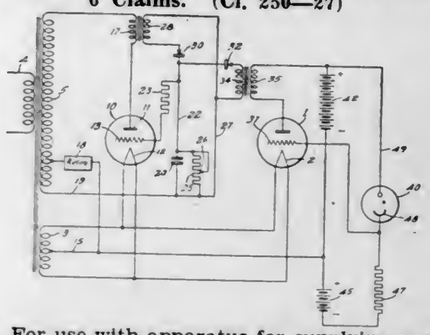
2. An electrical heater comprising an evacuated enclosure having a top wall composed wholly of a good heat conductor, the under surface at least of which is electrically conducting, adapted to support material to be cooked, an electron-emissive cathode positioned within said enclosure, and means adapted to direct from said cathode a stream of electrons against said under surface to produce a heating thereof sufficient for cooking purposes, said stream of electrons covering substantially the whole portion of said under surface corresponding to the portions of said wall that is used for cooking.

2,140,349
CHANGE-AMPLIFYING MEANS
John W. Dawson, East McKeesport, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 23, 1935, Serial No. 46,351
7 Claims. (Cl. 171—119)



1. In a system comprising an alternating current circuit, voltage-adjusting means therefor and an electronic-tube adapted to control said adjusting means, the combination of a reactor having a core-saturating winding, a circuit for energizing the reactor by a measure of the voltage of said alternating current circuit, a rectifier included in said circuit for supplying to the saturating winding of the reactor a current determined by the flow of current in the reactor energizing circuit, and a circuit for impressing upon said electronic tube a control potential also determined by the flow of current in the reactor energizing circuit, said potential following in intensified degree changes in the magnitude of the said alternating-current circuit voltage.

2,140,350
CONTROL APPARATUS
John W. Dawson, East McKeesport, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 16, 1936, Serial No. 105,945
6 Claims. (Cl. 250—27)



5. For use with apparatus for supplying power to a load from an alternating current source the combination comprising a main asymmetric electric discharge device having a plurality of principal electrodes and a control electrode, said principal electrodes to be connected in circuit with said source and said load, an auxiliary electric discharge device of the high-vacuum type having an input and an output circuit, a direct current source connected in said output circuit, means for so coupling said output circuit between the control electrode and a principal electrode of said main discharge device that a change in the conductivity of said auxiliary discharge device of short duration compared to a half-cycle of said source produces an increase in the conductivity of said main discharge device regardless of the polarity of the potential impressed between its principal electrodes at the instant the said

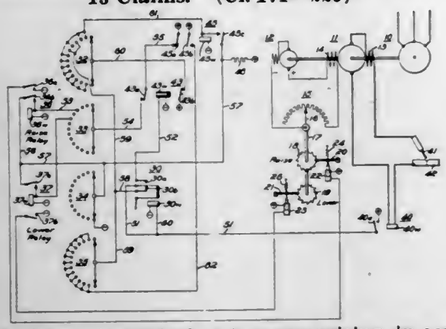
change in conductivity occurs, and means for so coupling the principal electrode circuit of said main discharge device to the control electrode of said main device that said increase in the conductivity of said main device is maintained once it occurs.

2,140,351

ELECTRICAL CONTROL SYSTEM

Gennero De Croce, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 25, 1934, Serial No. 736,893
13 Claims. (Cl. 171—229)



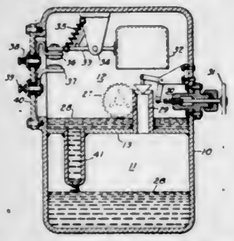
1. A remote control system comprising, in combination, an electric generator, means for increasing or decreasing the output of the generator, means for selectively controlling the operation of the output control means, and means for applying a predetermined number of impulses by closing and opening the load circuit of said generator for immediately operating said last named means to increase the output of the generator and a different predetermined number of impulses to immediately decrease the output of the generator.

2,140,352

RECLOSING DEVICE FOR CIRCUIT BREAKERS

Lloyd W. Dyer, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 3, 1934, Serial No. 751,378
5 Claims. (Cl. 200—33)



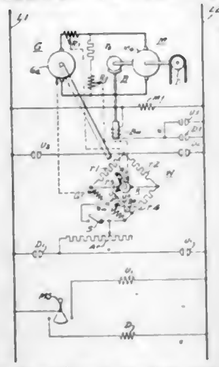
2. An electric circuit controller comprising an envelope having a switch chamber and a fluid storage chamber and movable between predetermined positions, said chambers being interconnected by fluid discharge orifices so constituted that fluid flows from the storage chamber into the switch chamber at a higher rate than from the switch chamber into the storage chamber in response to successive movements of the envelope between said predetermined positions, a quantity of fluid in the envelope, and a circuit controlling switch mounted in the switch chamber disposed to be mechanically actuated by the weight of a predetermined amount of fluid discharged therein from the storage chamber, whereby only a predetermined number of operations of the switch may be effected by successive movements of the envelope between said predetermined positions.

2,140,353

GENERATOR DEMAGNETIZING CONNECTION

William F. Eames, Edgewood, Pa., assignor to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois

Application August 29, 1936, Serial No. 98,467
6 Claims. (Cl. 172—239)



1. In a direct-current motor control system, a generator having a generator armature and a generator field winding, a motor having an armature connected in a local circuit with said generator armature, an auxiliary dynamo-electric machine having an armature connected to said generator field winding and having a first field winding effective to produce an exciting magnetomotive force acting to increase the current in said generator field winding and a second excitation means effective to produce an exciting magnetomotive force acting to decrease the current in said generator field winding; and means for establishing demagnetizing connections for said generator such that said first field winding is short-circuited and said second excitation means is connected for energization substantially in proportion to the speed of said motor.

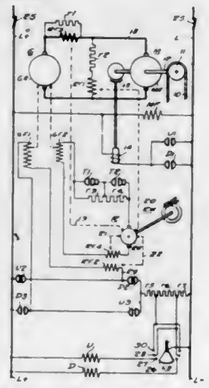
2,140,354

ELECTRICAL CONTROL SYSTEM

William F. Eames, Edgewood, Pa., assignor to Westinghouse Electric Elevator Company, Jersey City, N. J., a corporation of Illinois

Application February 26, 1938, Serial No. 192,761
9 Claims. (Cl. 172—239)

4. In a Ward-Leonard control system having a generator provided with an armature, a main field winding and a correcting field winding, and a motor connected in a loop circuit with said generator armature, the combination with a regulator comprising a voltage-responsive field winding connected across the terminals of the generator armature for producing a magnetomotive force proportional to the electromotive force of said armature, a pilot field winding connected in series with the main field winding for producing a magnetomotive force proportional to the electromotive force of said main field winding, a current-responsive field winding connected in series with the generator armature in said loop circuit for producing a magnetomotive force proportional to the current in said generator armature; an armature differentially responsive to the magnetomotive force of said voltage-responsive field winding and the magnetomotive forces of said pilot and current-responsive field windings and having its terminals connected to said correcting field winding for applying a correcting excitation thereto, and an additional field winding connected in series with the correcting field winding and responsive to the current flowing therein for altering the magnetomotive forces acting on said differentially responsive armature, a controller for connecting the main field winding and the pilot field winding to a source of electric energy and a resistor responsive to operation of the controller for varying the amount of excitation of the pilot field winding and the main field winding for causing the motor to be operated at selected predetermined speeds and the regulator to be adjusted to regulate the system for the predetermined speed for which the controller is set.



8. In a Ward-Leonard control system, a motor connected to a load device, a main generator for energizing the motor, said generator having a main field winding and a correcting field winding, and an auxiliary generator for supplying a correcting flow of energy for said correcting field winding, said auxiliary generator having an armature connected in series circuit with the correcting field winding, a field winding connected in the series circuit with said armature, a current responsive field winding, a voltage responsive field winding, and a pilot field winding, said current responsive winding being disposed to be responsive to the current flow from said generator to said motor, said voltage responsive winding being disposed to be responsive to the voltage applied to the motor by the main generator, and said pilot winding being connected in series circuit relation with said main field winding, an impedance device associated with the circuit to the correcting field winding, and a thermostatic means responsive to the temperature of the correcting field winding for excluding the impedance device from said circuit at a predetermined temperature of said correcting field winding to correct the circuit changes in the impedance of the correcting field winding caused by changes of temperature of that field winding.

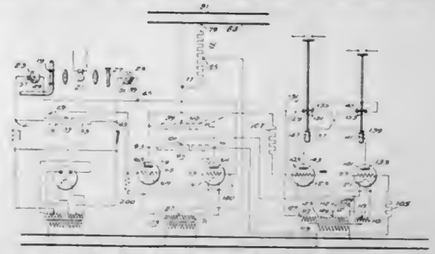
2,140,355

CONTROL APPARATUS

Finn H. Gulliksen, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 16, 1935, Serial No. 31,629
12 Claims. (Cl. 250—41.5)

1. Radiation responsive apparatus comprising a balanced electrical network having a plurality of arms, said arms intersecting in terminals, photo-sensitive devices in adjacent arms, impedances in other adjacent arms, a plurality of electric discharge devices influenced by said radiation responsive apparatus, each of said devices having a control electrode and a plurality of principal electrodes and means for connecting the



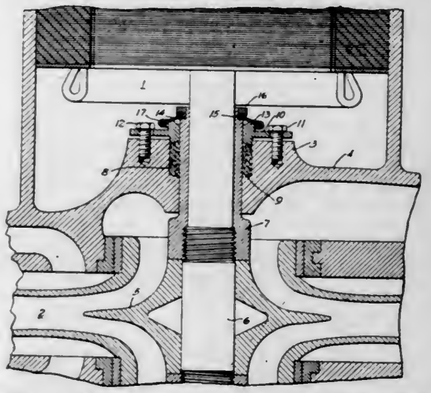
control electrode of one of said discharge devices only to the terminal of said network fixed by the intersection of said adjacent arms having photosensitive devices therein and means for connecting the control electrode of another of said discharge devices only to the terminal of said network fixed by the intersection of said arms having impedances therein.

2,140,356

SUBMERSIBLE PUMP SET SEAL

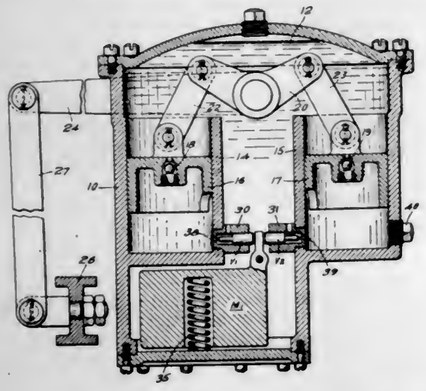
Victor Gutmann, Nuremburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 26, 1936, Serial No. 87,355
In Germany September 6, 1935
4 Claims. (Cl. 286—7)



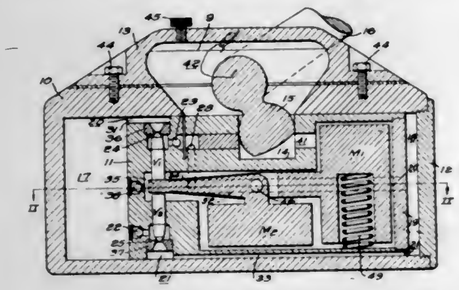
4. In combination with a shaft, a bearing and bearing housing for the shaft, a member secured to the bearing housing and having a fluid tight connection with the housing, a washer seating surface on the member disposed on the side of the member remote from the bearing housing, and a resilient washer surrounding the shaft and secured thereto by a fluid tight connection, said washer having a plurality of weights mounted thereon at the peripheral region, being inherently resilient, and having a concave shape with the concavity thereof disposed toward the washer seating surface of the member to thus normally resiliently engage the washer seating surface but, being connected to the shaft, is adapted to be distorted by centrifugal forces, upon rotation of the shaft, to cause said washer to move away from the washer seating surface.

2,140,357
SHOCK ABSORBER
Clinton R. Hanna, Pittsburgh, Pa.
Application July 17, 1931, Serial No. 551,390
35 Claims. (Cl. 188—88)



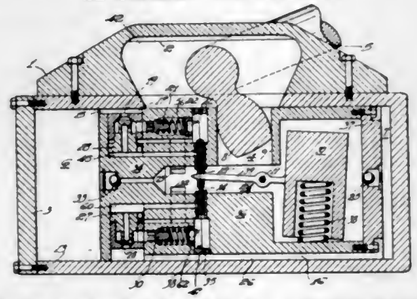
1. A shock absorber for vehicles of the type having a sprung and an unsprung mass comprising, in combination, means for resisting the relative movements of the masses by a force that is determined by the rate of change of the vertical velocities of the sprung mass during the periods when the vertical velocities of the sprung mass are increasing, said force being large when the said rate of change is large and small when the said rate of change is small, and means associated with the resisting means for causing the resisting means to resist the relative movements of the masses by a small substantially constant force during the periods when the vertical velocities of the sprung mass are decreasing.

2,140,358
SHOCK ABSORBER
Clinton R. Hanna, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application September 22, 1931, Serial No. 564,281
59 Claims. (Cl. 188—88)



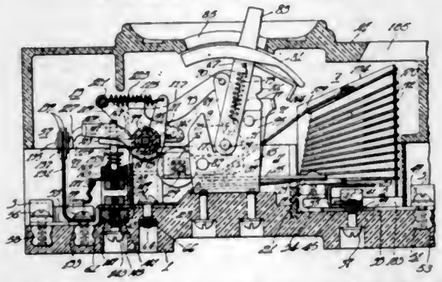
1. A shock absorber for vehicles of the type having a sprung and an unsprung mass comprising, in combination, a cylinder and a two-way piston actuated by the relative movements of the sprung and the unsprung masses and having a fluid passage for permitting the movement of a fluid through said piston upon a relative movement of said masses, and an inertia-controlled poppet valve for resisting the movement of said fluid in said fluid passage.

2,140,359
VALVE ARRANGEMENT OF INERTIA SHOCK ABSORBERS
Clinton R. Hanna, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 14, 1934, Serial No. 757,460
21 Claims. (Cl. 188—88)



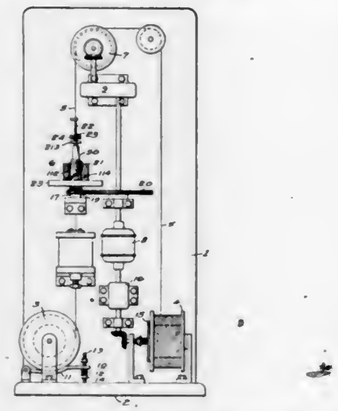
1. In a shock absorber for vehicles having a sprung mass and an unsprung mass, in combination, a casing, a compression chamber in the casing, said compression chamber containing liquid, means for subjecting the liquid in the compression chamber to a compressive action when the sprung mass is accelerated vertically, conduit means through which liquid moves when being expelled from said compression chamber, and control means, disposed in various parts of said conduit means and having two operating conditions, adapted, for one operating condition, to resist the expulsion of the liquid from the compression chamber by a force substantially directly proportional to the vertical velocity of the sprung mass and, for the other operating condition, adapted to resist the expulsion of the liquid from the compression chamber by a force substantially equal to the force tending to accelerate the sprung mass.

2,140,360
CIRCUIT INTERRUPTER
Oliver S. Jennings, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 31, 1933, Serial No. 696,059
35 Claims. (Cl. 200—88)



1. In a circuit interrupter, means for opening and for closing the circuit, means for actuating said means for opening and for closing the circuit, and a trip device including a pivotally supported member for releasably engaging said actuating means, a current-carrying means having a thermally responsive bimetallic member associated therewith, said bimetallic member being movable when heated to cause said pivotally supported member to disengage said actuating means, and magnetically responsive means movable, independently of said current carry means, upon the occurrence of predetermined conditions to cause said pivotally supported member to disengage said actuating means and to limit the current flow in said thermally responsive means, said bimetallic member being movable to cause said pivotally supported member to disengage said actuating means while said magnetically responsive means remains stationary.

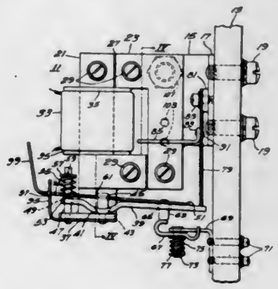
2,140,361
STOP CONTROL MEANS FOR CORE WRAPPING MACHINES
John J. Keyes, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 5, 1935, Serial No. 48,329
2 Claims. (Cl. 200—52)



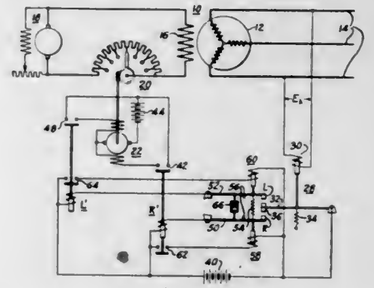
1. A centrifugally operable switch, in combination, a rotatable base, a post disposed on the base and parallel to the axis of rotation of the base, a contact disposed substantially concentric of the post and insulated therefrom, a U-shaped member pivotally mounted on the post, the axis of the pivot being disposed in one of the legs of the U, being disposed between the contact on the post and the axis of rotation of the base in a plane, including the contact, perpendicular to the axis of rotation of the base, and being substantially perpendicular to a line, falling in the said plane, joining the contact and the axis of rotation of the base, whereby rotation of the base and thus the revolutions of the post about the axis of rotation of the base will cause centrifugal forces to act on the U-shaped member to make electrical engagement with the free leg of the U and the contact, and means for normally holding the free leg of the U out of engagement with the contact.

2,140,362
THERMAL RELAY
Reese T. Kintzing, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 12, 1934, Serial No. 743,635
11 Claims. (Cl. 200—88)

1. In a thermal relay, the combination with a magnetizable core, a primary winding thereon and a structure including a movable armature controlled by the core, of a bimetal latch normally holding said structure in a predetermined position, and a closed-circuit secondary winding located in operative relation to the core, supported by the bimetal latch and movable therewith.



2,140,363
REGULATING APPARATUS
Joseph F. Kovalsky, Turtle Creek, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 8, 1934, Serial No. 752,069
9 Claims. (Cl. 171—229)

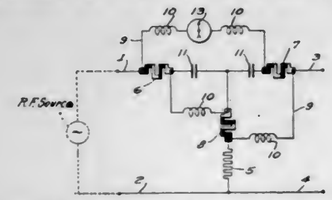


1. In a regulating system comprising a control device having a pair of contact members one of which is positionally responsive to a quantity to be regulated and the other of which is engaged by the first when said quantity varies from a desided value, in combination, means sensitive to the engagement of said members for adjusting the magnitude of said quantity, the combination of means adapted to maintain said second-named contact member in an unvarying stationary position when no quantity-correcting operation is in progress, and means for moving it away from the one first named contact member upon the occurence of each quantity-correcting operation thereby to interrupt said operation.

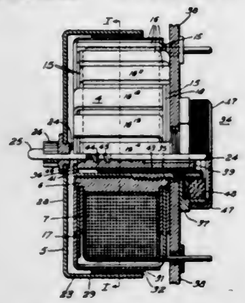
2,140,364
RADIO FREQUENCY WATTMETER
Reuben Lee, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 16, 1936, Serial No. 105,921
5 Claims. (Cl. 171—95)

4. In apparatus for measuring a high-frequency alternating-current power quantity supplied from an input circuit through an output circuit to a load, a shunt circuit connected to said input circuit in parallel relation to said output

circuit, means for deriving from said input circuit a first unidirectional current proportional to the square of the current in said input circuit, means for deriving from said output circuit a second unidirectional current proportional to the square of the current in said output circuit, means for deriving from said shunt circuit a third undirectional current proportional to the square of the current in said shunt circuit, a measuring circuit containing said three means in series with the first means opposed to said second and third means, an electroresponsive measuring device in said measuring circuit, and means for preventing the flow of alternating current to said measuring device.



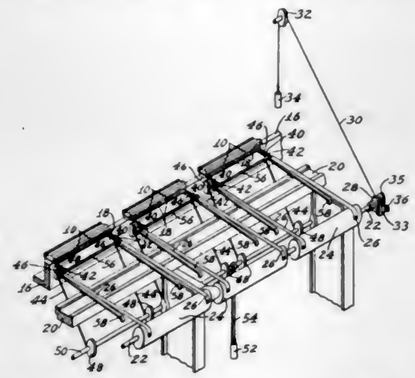
2,140,365
SMALL SYNCHRONOUS MOTOR
Bernard E. Lenehan, Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 20, 1934, Serial No. 758,426
10 Claims. (Cl. 172—275)



1. A hysteresis synchronous motor comprising a stator member and a rotor member with an annular air-gap therebetween, said stator member including alternating-current exciting means for setting up a magnetic field in said air-gap, and said rotor member including a cup-shaped supporting member made of material developing substantially no hysteresis torque and a resilient strip of hysteresis-torque-producing material bent into substantially circular formation and fitting snugly into place so as to be frictionally held, by its own resilience, against said cup-shaped supporting member, on the air-gap side thereof, the ends of said strip being unattached to each other.

2,140,366
KNITTING MACHINE
Karl Richard Lieberknecht, Oberlungwitz, Germany, assignor to Kalio, Inc., New York, N. Y., a corporation of New York
Application June 24, 1937, Serial No. 150,112
In Germany December 11, 1936
16 Claims. (Cl. 66—149)

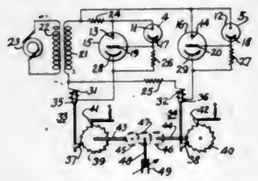
1. In a flat knitting machine, a fabric take-up mechanism which comprises, with a welt wire, a pair of take-up straps, having attached thereto welt wire engaging members and positioning means arranged to draw the members rearwardly into a position for engagement with the welt wire.



2,140,367
THERMIONIC CATHODE
Erwin F. Lowry, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
No Drawing. Application October 28, 1926, Serial No. 144,911
11 Claims. (Cl. 250—27.5)

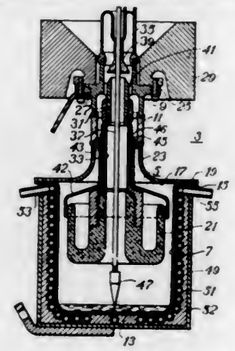
1. In combination with an evacuated container, an electrode comprising a base metal composed of an alloy comprising cobalt-nickel and titanium and a layer of electron-emissive material on said base metal, said cobalt nickel being from 80 per cent to 95 percent of said alloy.

2,140,368
RADIO RECEIVER
Frederick W. Lyle, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 19, 1936, Serial No. 80,502
5 Claims. (Cl. 250—41.5)



1. In a radio or television receiver, a circuit control element for an electric circuit therein, a first winding adapted to produce mechanical movement of said control element in one direction, a second winding adapted to produce mechanical movement of said control element in another direction, a photo-electric cell adapted to control current flow in said first winding, a second photosensitive device insensitive to light polarized in one plane connected to control current flow through said second winding, and a source of plane polarized light adapted to illuminate the second-mentioned photosensitive device with polarized light whose plane coincides with that to which the second-mentioned light-sensitive device is insensitive, and means for rotating the plane of polarization of the light from said source to a plane in which the second-mentioned light-sensitive device is not insensitive.

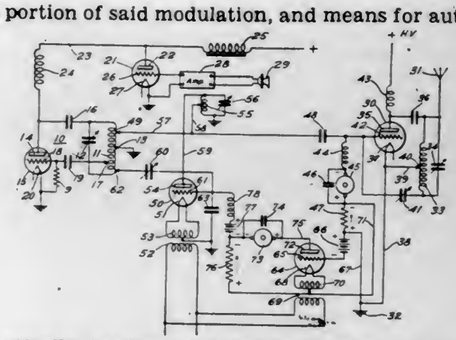
2,140,369
SEALED-OFF IGNITRON
Donald E. Marshall Clifton Allwood, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 11, 1938, Serial No. 189,970
11 Claims. (Cl. 250—27.5)



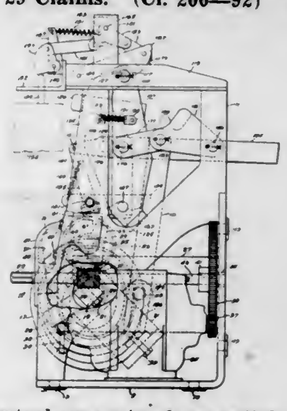
9. In an electric discharge device comprising a container consisting of a metal section and a glass section, a hollow anode having a head portion and a cap portion, said head portion including an upwardly projecting threaded male member, said cap portion including a downwardly projecting male member, a metallic hollow stem having a threaded female member at each end thereof, said head portion and said cap portion secured to said stem at opposite ends thereof, a closure plate forming part of said metal section sealed to one end of said glass section while said anode cap portion is sealed to the opposite end of said glass section, another part of said metal section forming a cathode cup containing vaporizable material in a portion thereof and in tight fitting engagement with said closure plate, a shield mounted over said hollow stem and substantially surrounding the lateral surfaces of said anode head, an insulator between said shield and said metallic stem, a reentrant non-conducting stem sealed to another end of said anode cap portion, a make-alive rod secured to a portion of said reentrant stem, said make-alive rod extending centrally through said anode portions, a tip of resistance material mounted to the extended portion of said make-alive rod and partially in contact with said vaporizable material in said cathode cup and openings in said anode cap for the return flow of vaporizable material condensed above said anode cap.

2,140,370
INPUT LOADING CHARACTERISTICS OF CLASS B AMPLIFIERS
Perry H. Osborn, Edgewood, and Leroy R. Harness, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company, a corporation of Pennsylvania
Application September 25, 1931, Serial No. 565,054
21 Claims. (Cl. 250—17)

1. A radio transmitter comprising an oscillator, an amplifier having its input coupled to the output of said oscillator, means for modulating the output of said oscillator, said amplifier being so biased that grid current flows during a portion of said modulation, and means for automatically loading said oscillator when no current is flowing in said grid circuit.



2,140,371
CONTROL APPARATUS
Joseph W. Ow, Wilkinsburg, and Ernest K. Read, East Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 7, 1936, Serial No. 109,702
29 Claims. (Cl. 200—92)

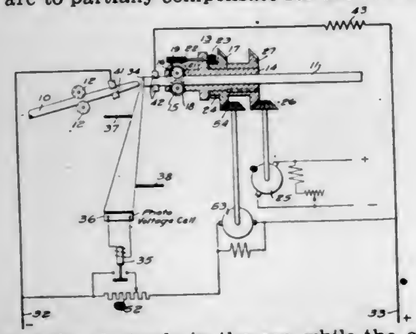


1. In a control apparatus for a switch, a switch operating member, a spiral power spring, rotatable means directly engageable with one end of said spring for winding said spring to store energy therein, means for releasably holding said spring in wound position, a trip free connecting means between said spring and said operating member for transmitting the energy when said spring is released to said operating member to close said switch, and means for releasing said holding means.

2,140,372
ELECTRODE FEED MECHANISM FOR SEARCHLIGHTS
Willis A. Pennow, Lakewood, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 27, 1934, Serial No. 755,009
3 Claims. (Cl. 176—73)

1. In a system for controlling the feeding of electrodes in arc circuits having cooperating electrodes comprising an electrode which is to be maintained in a predetermined position, an electrode holder, feed rolls mounted on said electrode holder and engaging the electrode to produce rotation of the electrode about its longitudinal axis when the electrode holder is rotated, means for continuously rotating the electrode holder,

a rotatable element mounted on said electrode holder, means for continuously rotating said rotatable element, means responsive to the differential movement between said rotatable element and said electrode holder for rotating said feed rolls to continuously feed the electrode toward the arc to partially compensate for the consump-



tion of the electrode in the arc while the arc is burning, and means responsive to the position of the electrode for controlling the speed of rotation of said means for continuously rotating said rotatable element to thereby vary the rate of feed of the electrode in response to predetermined positioning of said electrode.

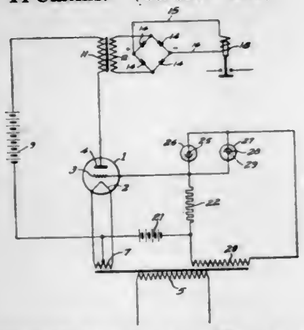
2,140,373

LIGHT-SENSITIVE SYSTEM

Edwin H. Vedder, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 23, 1936, Serial No. 102,130

14 Claims. (Cl. 250—41.5)



1. In combination, an amplifier, a source of alternating potential in the grid circuit of said amplifier and a direct-current source of potential in series therewith, the grid circuit also including a photocell and a resistor in series with said alternating source and photocell, whereby when said photocell is conductive both sources affect the grid potential and when said cell is nonconductive the direct current source alone affects the grid potential.

2,140,374

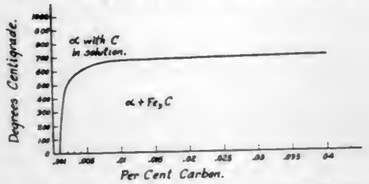
PROCESS OF HEAT TREATING MAGNETIC MATERIAL

Trygve D. Yensen and Stephen L. Burgwin, Forest Hills, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 29, 1936, Serial No. 82,478

3 Claims. (Cl. 148—21.5)

1. In the process of heat treating silicon iron alloys which have been heat treated to release working strains and lower the carbon impurity content in excess of the solid solubility content of carbon in the alloy at a temperature of 300° C., in combination, heating the alloy in a reducing atmosphere to a temperature ranging from 400° C. to 500° C. for a period of time of from 6 to 100



hours to stabilize the magnetic characteristics of the alloy without effecting a substantial increase in the hysteresis loss of the alloy whereby the alloy may be subjected to a testing temperature of 100° C. for a period of time of 600 hours without effecting an increase in the magnetic ageing of the alloy.

2,140,375

METHOD OF PRODUCING FINELY DIVIDED CALCIUM CARBONATE WHICH DOES NOT AGGLOMERATE

Edward M. Allen, Barberton, and George M. Lynn, deceased, late of Wadsworth, Ohio, by Ethel P. Lynn, administratrix, Wadsworth, Ohio, assignors to Pittsburgh Plate Glass Company, a corporation of Pennsylvania

No Drawing. Original application January 21, 1933, Serial No. 652,920. Divided and this application January 15, 1936, Serial No. 59,312

9 Claims. (Cl. 134—58)

4. A method of preparing substantially dry, substantially unagglomerated finely divided calcium carbonate having an average particle size under one micron, which comprises precipitating said finely divided carbonate in a body of water to form an aqueous slurry thereof, incorporating coconut oil in said slurry and drying the resulting mixture, the proportion of said oil being sufficient to coat a sufficient portion of said calcium carbonate particles to prevent substantial agglomeration thereof during the drying treatment.

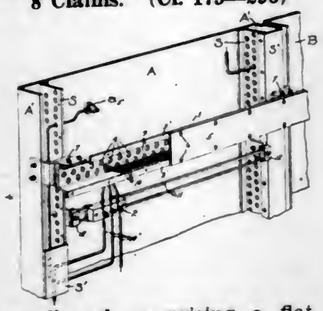
2,140,376

ELECTRIC PANEL BOARD

Arvid E. Anderson, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York

Application June 6, 1936, Serial No. 83,910

8 Claims. (Cl. 175—298)



1. A panelboard comprising a flat surfaced supporting panel, electric devices mounted on one side of said panel, terminals for said devices on the opposite side of said panel, a wiring trough positioned in spaced relation on said opposite side of said panel composed of a strip having

apertures therein, the apertured surface of said strip being substantially parallel to and spaced from the adjacent face of said panel, means securing said strip in said spaced relation, and detachable cover structure cooperating with said strip forming an enclosed wiring space, and circuit wires extending from certain of said terminals through said wiring trough to other of said terminals, said wires entering and leaving said trough at the side facing said panel by way of apertures in said strip.

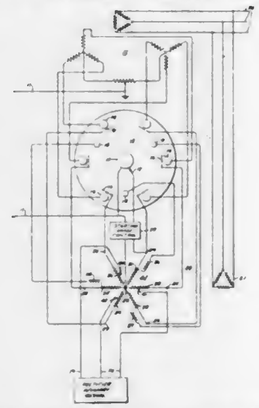
2,140,377

POWER SUPPLY FOR RECTIFIER AUXILIARIES

Earl V. De Blieux, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application December 6, 1935, Serial No. 53,196

6 Claims. (Cl. 175—363)



1. In an electric system comprising an alternating current circuit, a direct current circuit, a multi-anode vapor electric apparatus to transfer energy between said circuits, a plurality of grids, a plurality of excitation anodes, an ignition anode control means, and an auxiliary device circuit, a voltage supply means comprising a primary winding having a multiphase dametric secondary connection inductively related therewith, the several phases being connected respectively at their end terminals to said grids, certain of said phases being connected respectively at their end terminals to said excitation anodes, the neutral of said connection and the end terminal of one of said phases being connected to said control means, taps intermediate the neutral point of said connection and the end terminals of certain of said phases being connected to said auxiliary device circuit.

2,140,378

ELECTRIC CIRCUIT INTERRUPTER

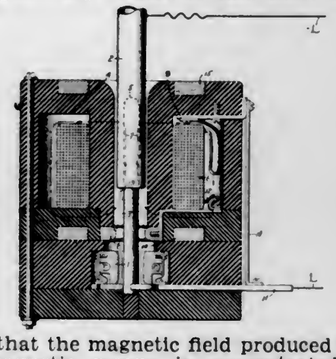
Josef Biermanns, Berlin-Johannisthal, and Otto Mayr, Berlin-Karlshorst, Germany, assignors to General Electric Company, a corporation of New York

Application November 24, 1936, Serial No. 112,568

In Germany December 5, 1935

6 Claims. (Cl. 200—147)

1. An electric circuit interrupter comprising relatively movable contacts, insulating structure defining an arc chamber within which said contacts are separable, a short circuited conducting ring having a resistance comparable with that of copper surrounding said chamber at a predetermined point along the arc path and electromagnetic means disposed adjacent said chamber and magnetically related to said short circuited



ring so that the magnetic field produced by said electromagnetic means is concentrated on a limited section of said arc within said chamber.

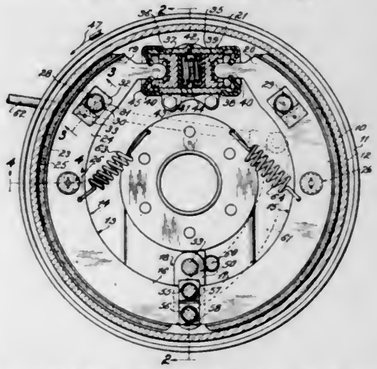
2,140,379

VEHICLE BRAKE

Gustav W. Carlson, Cleveland Heights, and Robert C. Russell, Shaker Heights, Ohio, assignors to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application November 27, 1936, Serial No. 113,016

4 Claims. (Cl. 188—106)



1. In a brake, the combination of a rotatable drum, a pair of shoes adapted for braking cooperation with the drum and having pairs of opposed ends, a service actuating means cooperating with one pair of said ends to apply the shoes, means cooperating with the other pair of said ends to substantially equalize the braking action between the shoes when applied by said service means, and auxiliary means adapted to act through said equalizing means for applying the shoes, said equalizing means being also adapted to substantially equalize the braking action between the shoes when they are applied by said auxiliary means.

2,140,380

ROTARY MOTION TRANSMITTING SYSTEM

Herbert Gawehn, Frohnau, Germany, assignor to General Electric Company, a corporation of New York

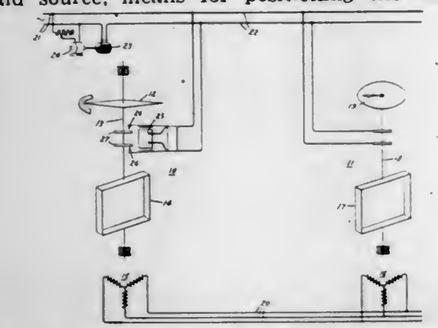
Application March 8, 1938, Serial No. 194,709

In Germany April 2, 1937

7 Claims. (Cl. 177—351)

1. A telemetering system comprising a transmitter and receiver, each having stationary and

rotary parts provided with windings, a transmission circuit for connecting the windings on one part of transmitter and receiver together, a source of supply having an alternating component, connections for exciting the windings on the other parts of transmitter and receiver from said source, means for positioning the rotary



part of the transmitter in accordance with an indication to be transmitted, a relay for locking the rotary part of said transmitter against rotation when the relay is energized and unlocking it when the relay is deenergized, and means for periodically energizing and deeergizing said relay and the exciting winding of said transmitter.

2,140,381

METHOD OF PRODUCING LEAD GLAZES

Hermann Harkort, Berlin-Tegel, Germany, assignor to Hans-Joachim Harkort, Zurich, Switzerland

No Drawing. Application April 10, 1933, Serial No. 665,395. In Germany April 25, 1932

6 Claims. (Cl. 106—36.2)

1. A method of producing lead containing glazes consisting in fine-grinding metallic lead under the admission of air thereby producing a mixture consisting only of the lead in various degrees of oxidation within the range from metallic lead to lead superoxide, mixing this mixture with the other constituents usual in lead glazes and melting the mixture.

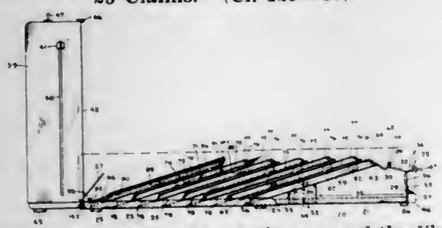
2,140,382

OFFICE DEVICE

John H. Hotson, Woodside, Long Island, N. Y.

Application July 23, 1935, Serial No. 32,718

25 Claims. (Cl. 129—43)



21. In a container for stationery and the like a front supporting member having a member rearwardly projecting from its front wall, and a member attachable to said front supporting member and extending forwardly therefrom, said forwardly projecting member being provided with a front upright portion and being adapted together with said rearwardly projecting member to form a tray.

23. A container for stationery and the like comprising in combination a base member, and a plurality of removable trays provided with downwardly extending projections and with outwardly extending projections having openings adapted to receive the downward projections of another superjacent tray and limit the longitudinal movement of said downward projections and thereby removably engage the trays with each other, whereby when the front of one tray is raised, said tray and all rearward trays will remain in engagement.

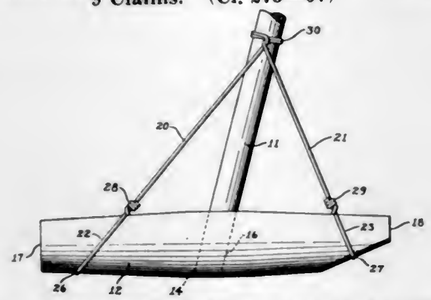
2,140,383

POLO MALLET

Howell Hoffman Howard, Dayton, Ohio; Loretta H. Howard executrix of Howell Hoffman Howard, deceased

Application August 2, 1937, Serial No. 156,887

9 Claims. (Cl. 273—67)



1. In a polo mallet of the character described, a head, a handle attached thereto, and means arranged within the space above the mallet head and adjacent the handle for preventing passage of a polo ball through said space.

2,140,384

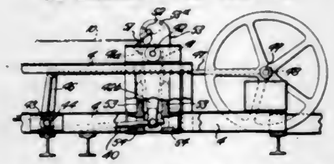
MACHINE FOR TRIMMING AND/OR BEVELING THE EDGES OF METAL PLATES

Walter Reginald Hume, Melbourne, Victoria, Australia, assignor to Hume Steel Limited, Melbourne, Victoria, Australia

Application January 19, 1938, Serial No. 185,771

In Australia October 27, 1936

11 Claims. (Cl. 164—41)



1. A machine for trimming and beveling the edges of metal plates, comprising a machine frame, a rocking lever, fulcrum means intermediate said lever for mounting the lever and providing a short and long arm, a trimming and beveling tool carried by the short arm of said lever, a stationary tool, and a spring-influenced support carried by the frame for supporting said fulcrum means.

2,140,385

BRAKE MECHANISM

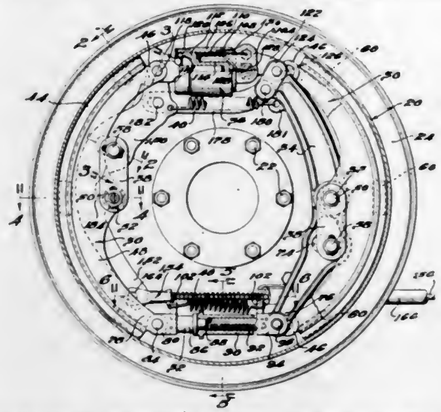
George H. Hunt and Edward H. Berno, Detroit, Mich., assignors to Borg-Warner Corporation, a corporation of Illinois

Application June 4, 1936, Serial No. 83,488

18 Claims. (Cl. 188—106)

12. Brake mechanism comprising a brake drum, a backing plate, a pair of braking elements co-

operable with said drum, means carried by said backing plate and adapted to support said braking elements for movement toward and away from said drum, a lever pivotally carried by one of said braking elements, a link operatively disposed between one end of said lever and one end of the other of said braking elements, and means



operatively disposed between the other end of said lever and the other end of the other of said braking elements for actuating said braking elements, and a toggle link operatively disposed between said other end of said lever and said other end of said other of said braking elements adapted for actuating the same independently of said brake actuating means.

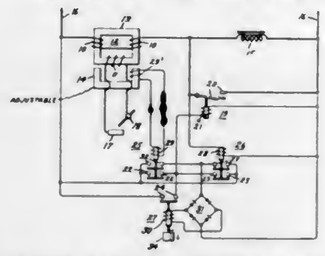
2,140,386

CONTROL SYSTEM

Benjamin W. Jones, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application June 10, 1937, Serial No. 147,526

14 Claims. (Cl. 171—119)



1. A control system comprising a translating device having a winding on a magnetic core structure embodying a magnetic shunt adjustably positioned adjacent said winding, means for adjusting the position of said magnetic shunt relative to said winding and said core structure to control the flow of current through said winding, a winding on said magnetic shunt, a control conductor, and means responsive to the flux change in said magnetic shunt between a substantially constant value when current flows in said first-mentioned winding and substantially zero value when no current flows in said first-mentioned winding for controlling a circuit through said control conductor in response to the completion and interruption of a circuit through said first mentioned winding, said means including a relay having a winding connected to said winding on said magnetic shunt and contacts connected in said control circuit.

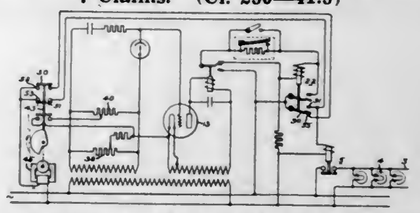
2,140,387

PHOTOELECTRIC RELAY APPARATUS

Pieter Juchter, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application March 16, 1935, Serial No. 11,516

7 Claims. (Cl. 250—41.5)



1. Photoelectric relay apparatus including a photoelectric device adapted to be subjected to the varying intensity of daylight, said apparatus being constructed to operate in one sense in response to a predetermined light value when the light is diminishing, means for causing the apparatus to operate in the opposite sense in response to a lower predetermined light value when the light subsequently increases and time controlled means for rendering said means inoperative until a time corresponding to a daylight intensity that is less than said lower predetermined value, means for rendering said time controlled means inoperative at said time and means for rendering it again operative when the light subsequently attains said lower predetermined light value.

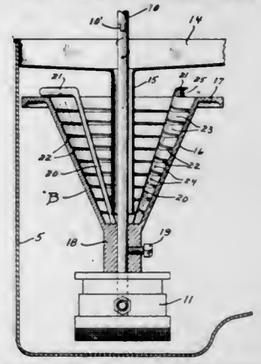
2,140,388

OIL FILTER

Paul J. Lucas, Shamokin, Pa.

Application May 24, 1937, Serial No. 144,493

4 Claims. (Cl. 233—27)



1. A filter comprising a body portion having a fluid receiving conical surface, means for rotating the body portion for directing fluid against said conical surface, and a series of concentrically arranged segmental collector channels in superposed relation on the conical surface and each terminating in a cupped pocket opening in the direction of rotation of the filter.

2,140,389

ZONE HEATING

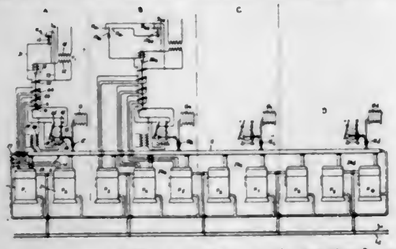
Walter O. Lum, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application February 16, 1935, Serial No. 6,916

2 Claims. (Cl. 237—2)

1. The combination of a multiple zone distributing system for a heating medium having separately operable thermostatic means for con-

trolling the admission of the heating medium to each zone to maintain a predetermined temperature therein, a plurality of heat generators for heating the medium, control means for operating a different predetermined portion of said heat generators upon operation of each of said thermostatic means to supply heating medium



to the corresponding zone, and control means responsive to the condition of the heating medium for operating another portion of said heat generators when the heating medium varies from a predetermined condition upon operation of each of said thermostatic means to supply heating medium to the corresponding zone.

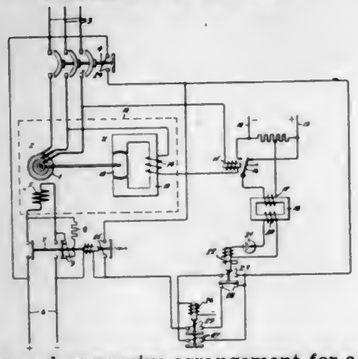
2,140,390

SPEED RESPONSIVE MEANS

George S. Lunge, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application June 17, 1936, Serial No. 85,735

8 Claims. (Cl. 175—355)



1. A speed responsive arrangement for a rotating device including an electric circuit, a source of current connected to said circuit, an inductive device having a magnetic core and a winding on said core connected in said circuit, means driven at a speed proportional to the speed of said rotating device for periodically varying the reluctance of said core to produce current fluctuations in said circuit, and means responsive to the frequency of said current fluctuations produced in said circuit.

2,140,391

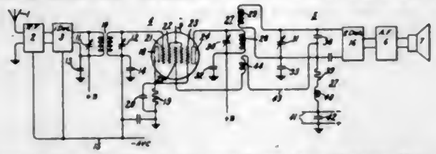
AUTOMATIC SELECTIVITY CONTROL

Harry F. Mayer, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application October 22, 1936, Serial No. 106,984

10 Claims. (Cl. 250—20)

10. In a radio receiving system of the superheterodyne type, an electron discharge amplifier having a main control grid and an auxiliary control grid, a coupling transformer having its primary and secondary windings tuned to the intermediate frequency of said system and having its primary in the anode circuit of said amplifier, a tertiary winding adjacent said primary winding to produce a voltage for raising the Q of said primary winding, a circuit including a capacitor and a resistor connected in series across said



secondary winding to produce a voltage for decreasing the coupling between said primary and secondary windings, means connecting said tertiary winding and said resistor in series to said auxiliary grid and a source of supply of automatic volume control voltage connected with said main control grid.

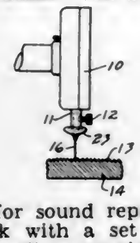
2,140,392

PHONOGRAPH NEEDLE

Samuel F. Nabers, Birmingham, Ala.

Application March 21, 1938, Serial No. 197,204

3 Claims. (Cl. 274—38)



2. A needle for sound reproducing apparatus having a chuck with a set screw therein for mounting the needle, comprising a resilient body of spring metal having a point on one end of relatively harder material, a shank on the other end having a conical enlargement for snug engagement with the chuck, and a weight of from two to four grams on the shank adjacent the chuck and remote from the point.

2,140,393

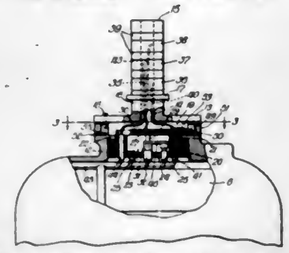
VOLTAGE ADJUSTING MEANS FOR X-RAY MACHINES

Edward J. Ries, Rochester, N. Y., assignor to Oscar H. Pieper and Alphonse F. Pieper, both of Rochester, N. Y.

Application May 3, 1937, Serial No. 140,342

In Germany December 17, 1936

12 Claims. (Cl. 250—93)



1. X-ray apparatus comprising, in combination, a housing disposed to be movably mounted, an X-ray tube mounted in said housing, a transformer mounted in said housing having a secondary winding connected to said X-ray tube and a primary winding for connection to an alternating current circuit having a normal operating voltage, a plurality of taps on said primary winding, and a tap changing switch mounted in said housing and arranged and adapted to selectively connect said taps to said circuit in such manner as to cause said secondary winding to apply a predetermined voltage to said X-ray tube on slight change of the circuit voltage from said normal operating voltage as applied to said primary winding.

2,140,394

METHOD OF PREPARING A STARCH ENVELOPED MINERAL MATERIAL

Harold T. Ruff, Chillicothe, Ohio, assignor to The Mead Corporation, Chillicothe, Ohio, a corporation of Ohio

No Drawing. Application January 25, 1934, Serial No. 708,250

9 Claims. (Cl. 134—23)

3. The method of preparing a starch enveloped mineral material for use as a filler or coating material or the like in the manufacture of paper which consists in mixing starch granules into water to form a starch granule slurry, adding finely divided mineral material to said starch slurry, stirring the starch slurry and added mineral material to distribute the mineral particles throughout the slurry and effect intimate admixture of the particles and the starch granules in the slurry, heating said intimate admixture to cause bursting of the starch granules and liberation of the starch contents thereof immediately adjacent the mineral particles whereby to cause such liberated starch material in the slurry to form upon the mineral particles an enveloping and protecting film and to effect a suspension of such finely divided starch film enveloped particles.

2,140,395

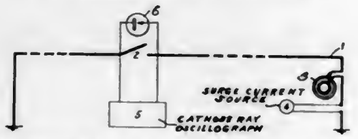
TESTING OF ELECTRIC CIRCUITS

Henry Trencham, Kings End, Ruislip, and Kenneth James Rawcliffe Wilkinson, Rugby, England, assignors to General Electric Company, a corporation of New York

Application November 21, 1936, Serial No. 111,990

In Great Britain October 31, 1935

5 Claims. (Cl. 175—183)



1. The method of testing an electrical circuit that may be broken, which consists in connecting the secondary of a mutual inductance across the break and applying to the primary of the mutual inductance by means of a grid controlled gas discharge tube, voltage of form $b \cos \omega t$ from a source of alternating voltage of crest value b, by so controlling the discharge tube that conduction commences at times of voltage maxima; the mutual inductance being so apportioned in relation to the circuit under test that surge currents derived from its secondary winding are not unduly distorted by their traversal of the test circuit.

2,140,396

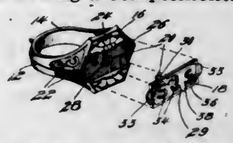
COMPOSITE INSIGNIA PRESSED METAL RING, PIN, OR OTHER ORNAMENT AND METHOD OF ITS MANUFACTURE

Frederic Whitaker, Cranston, R. I.

Application July 28, 1936, Serial No. 93,054

4 Claims. (Cl. 29—160.6)

1. A two piece pressed metal composite insignia ornament, comprising a unitary stamped piece having a face, said piece being stamped with general ornamental insignia, said face being stamped with a depression and ornamentally stamped exterior of said depression and an ornamented stamped insert of substantially the size and depth of said depression having selected specific insignia having a complemental significance



stamped thereon and means to rigidly secure said insert within said depression with the outer ornamented surface thereof substantially flush with said other ornamented face portions to provide an ornamental face of unitary composite design for said ornament and with said securing means concealed from view.

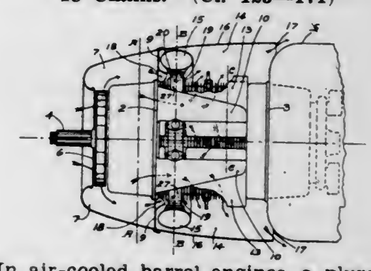
2,140,397

AIR-COOLED INTERNAL COMBUSTION ENGINE

Heraclio Alfaro, Boston, Mass.

Application September 19, 1935, Serial No. 41,284

18 Claims. (Cl. 123—171)



1. In air-cooled barrel engines, a plurality of cylinders spaced circumferentially around a central axis and substantially parallel to it, an air-collecting chamber, ducts arranged between the cylinders to carry air from said chamber to the central space about which the cylinders are grouped, and means to direct said air over the surfaces of the cylinders.

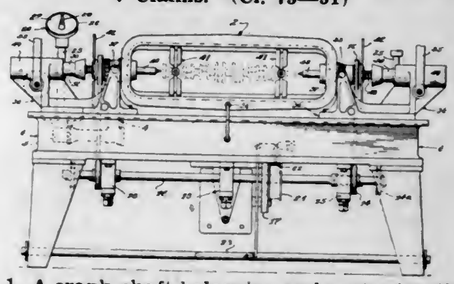
2,140,398

BALANCING AND CENTER LOCATING MACHINE

Norris R. Buckingham, Lansing, Mich., assignor to Atlas Drop Forge Company, Lansing, Mich., a corporation of Michigan

Application October 25, 1935, Serial No. 46,775

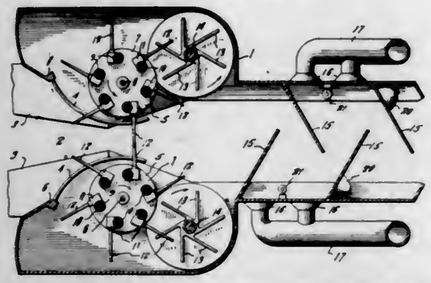
7 Claims. (Cl. 73—51)



1. A crank-shaft balancing and center locating machine, comprising in combination a crank-shaft receiving member rotatably mounted within spaced apart oscillatably mounted bearing

members having axes of oscillation spaced from the axis of said receiving member, and means carried by said member for receiving and adjustably positioning each end of a crank-shaft.

2,140,399
COTTON HARVESTING MACHINE
Martin J. Connolly, New York, N. Y.
Application February 27, 1932, Serial No. 595,605
Renewed May 20, 1938
9 Claims. (Cl. 56—28)



1. In a cotton picking machine having ground wheels and a casing and adapted to straddle and traverse a row of cotton, a source of light and a photo-electric cell mounted in the machine, means to deflect the cotton plants toward the photo-electric cell and a cotton removing mechanism controlled by the current generated in the cell in response to the light impinging on the cell from the exposed cotton on the plant.

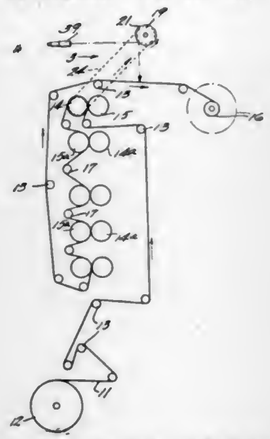
2,140,400
MANUFACTURE OF CATALYSTS
Seymour Faulkner, Cincinnati, Ohio, assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Continuation of application Serial No. 648,321, December 21, 1932. This application September 27, 1933, Serial No. 691,244
13 Claims. (Cl. 23—236)

1. That method of preparing a catalyst by wet reduction which includes the steps of chemically precipitating a carbonate of a hydrogenating metal of the class consisting of nickel, iron, cobalt and copper in aqueous solution, and then reducing the amount of combined CO_2 in the carbonate to an amount less than fifteen percent of the metal content by prolonged boiling under alkaline conditions until the volume of a sample of the precipitate when filtered with suction on a Buchner funnel as described, amounts to more than nine cubic centimeters per gram of metal content, said boiling being continued for at least twelve minutes, afterward reducing the precipitated carbonate to a catalytic metal by a wet reduction step.

2,140,401
PROCESS OF TREATING WATER
Gail J. Fink, La Grange, Ill., assignor to National Aluminate Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application December 20, 1935, Serial No. 55,363
10 Claims. (Cl. 210—23)

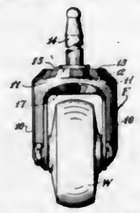
1. A composition for controlling or killing algae in water which comprises a mixture of substantially equimolecular amounts of a water-soluble copper salt and a water-soluble ammonium salt.

2,140,402
MEANS FOR VIEWING IMPRESSIONS ON A MOVING WEB
Albert J. Horton, White Plains, N. Y., assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application September 8, 1934, Serial No. 743,214
10 Claims. (Cl. 88—14)



1. In a printing machine including a plurality of printing couples constructed and arranged to print successive impressions on a moving web, each printing couple including a form cylinder and an impression cylinder, a rotor having a plurality of reflecting surfaces thereon, means supporting said rotor wholly at one side of the plane in which the viewed portion of the moving web is located and substantially within its lateral confines with the axis of the said rotor substantially parallel to the plane in which the viewed portion of the web is located and at right angles to the direction of travel of the web, means operably connecting the printing machine and the rotor for rotating the rotor in timed relation to the rotation of the printing machine cylinders, the rotor being so constructed and so spaced with respect to the viewed portion of the web that the said reflecting surfaces continuously reflect to a fixed observation point the images of the impressions during the movement of the said impressions along an observable path of travel of length at least equal to one half the circumference of the smallest form cylinder.

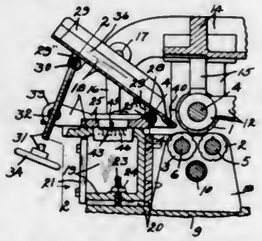
2,140,403
CASTER
Wilfred G. Johnson, Elyria, Ohio, assignor to The Colson Corporation, Elyria, Ohio, a corporation of Ohio
Application February 13, 1937, Serial No. 125,571
8 Claims. (Cl. 16—21)



8. A caster comprising a fork member having a hollow upper portion, a downwardly extending flange and oppositely disposed legs extending downwardly from said flange, a wheel supported

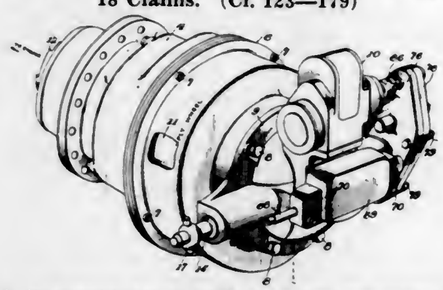
by said legs, and a ball bearing assembly comprising an inner ball race, an outer ball race, and bearing balls therebetween, said assembly being disposed within said hollow upper portion, and said flange having a portion engaging said outer ball race for retaining said bearing assembly in position.

2,140,404
FEED TABLE FOR WRAPPING AND PINCH-TYPE BENDING ROLLS
William E. Kane, Syracuse, N. Y., assignor to Kane & Roach, Inc., Syracuse, N. Y., a corporation of New York
Application December 28, 1936, Serial No. 117,847
3 Claims. (Cl. 153—61)



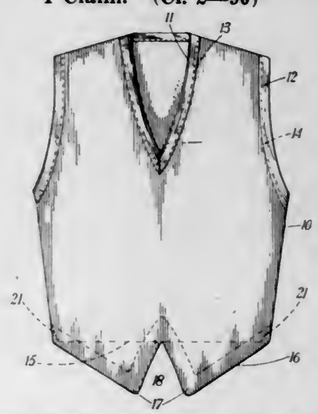
3. In a metal bending machine, in combination, cooperative rollers for feeding and bending the metal including a master roller and a plurality of auxiliary rollers, means for directing the infeeding material between the rollers including a guide member so constructed and arranged at the feed side of the rollers that the material will be guided thereby in a plane extending at an acute angle of inclination to the direct line connecting the axes of rotation of the master roller and the adjacent one of the auxiliary rollers and in tangential relation with said master roller, the point of tangency being spaced an appreciable distance from said direct line connecting the axes of said rollers whereby the material will be engaged by the master roller intermediate the guide member and said direct line and be curved by the coaction of said rollers and said guide member as the material is drawn inwardly between said rollers, said guide member having the discharge end thereof spaced from the master roller a distance equal to at least twice the thickness of the material whereby the forward end of the material may overlap the rear end thereof when said latter end of said material is in engagement with the guide member.

2,140,405
ENGINE STARTING MECHANISM
Raymond P. Lansing, Montclair, N. J., assignor to Eclipse Machine Company, Elmira Heights, N. Y., a corporation of New York
Application January 31, 1928, Serial No. 250,899
18 Claims. (Cl. 123—179)



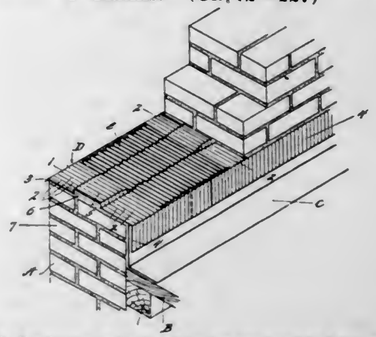
1. In combination with a starter embodying a high speed flywheel, a magneto adapted to be driven by said starter, gearing connected to said flywheel, a relatively low speed element rotatable with the low speed end of said gearing, and step-up gearing connected to the armature shaft of said magneto, a member of said step-up gearing being movable into engagement with said low speed element whereby the magneto is driven by the flywheel.

2,140,406
PULL-OVER, SLIP-OVER, AND LIKE GARMENT
Winston Freer Martin, Leicester, England
Application April 14, 1937, Serial No. 136,949
In Great Britain September 15, 1936
1 Claim. (Cl. 2—90)



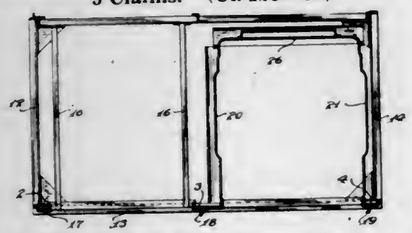
A garment of knitted fabric, in the nature of a pullover or slipover, having an aperture for the neck but being permanently closed below it, two pointed portions at the front bottom edge forming between them a short central opening of inverted V-formation, a short slit extending upwards from the said edge at each side, and a stiffening extending at the front along the edges of the pointed portions and central opening.

2,140,407
METAL FLASHING
Clarence L. Schilling, Atlanta, Ga.
Application January 30, 1937, Serial No. 123,299
3 Claims. (Cl. 72—127)



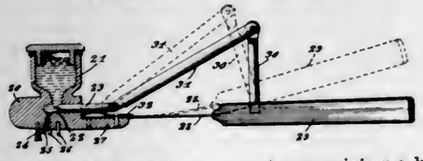
3. A flashing adapted to be embedded in a layer of mortar or the like and comprising a strip of sheet metal having a finely corrugated midportion adapted to bond the strip to the mortar or the like, coarsely corrugated end portions, and a finely corrugated ridge portion extending longitudinally of said midportion and supplementing the bonding action of the latter in a plane at an angle with respect to said midportion.

2,140,408
CABINET STOVE AND METHOD OF CONSTRUCTING AND ASSEMBLING
Alvin G. Sherman, Grosse Pointe, Mich., assignor, by mesne assignments, to Borg-Warner Corporation, a corporation of Illinois
Application August 31, 1931, Serial No. 560,390
5 Claims. (Cl. 126—39)



1. Cabinet structure comprising an inner framework including front posts, exterior panels including a unitary front panel directly supported by and concealing the framework, closure members and auxiliary panels positioned back of said front panel and in front of said posts for covering said posts for concealing the same from view when the closure members are open.

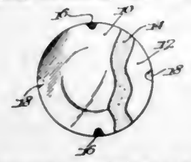
2,140,409
VACCINATOR
Rufus T. Sterling, San Antonio, Tex., assignor of thirty per cent to Henry F. Hein, Bexar County, Tex., and twenty-five per cent to Geo. W. Cox, Travis County, Tex.
Application September 21, 1937, Serial No. 164,923
8 Claims. (Cl. 128—253)



6. A vaccinating instrument comprising a head, having a passage therein, a vaccine reservoir mounted on and rising from the head and communicating with the passage, vaccine receiving and spreading means depending from the head, means for conveying vaccine from the passage to the spreading means, a plunger mounted for slidable movement in the passage for forcing the vaccine therethrough and through the conveying means to the spreading means, a handle for the instrument and including flexible means secured to the head, means between the handle and plunger rod for operating the latter upon movement of the handle, and scarifying means arranged adjacent to the spreading means and rearwardly thereof.

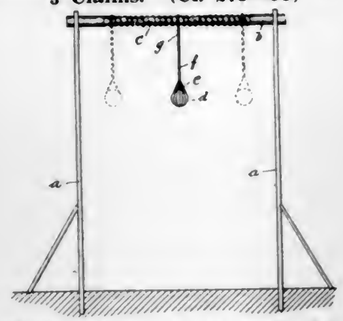
2,140,410
LENS AND METHOD OF MANUFACTURING THE SAME
Edward H. Titmus, Petersburg, Va., assignor to Titmus Optical Company, Petersburg, Va., a corporation of Virginia
Application November 6, 1936, Serial No. 109,603
5 Claims. (Cl. 88—54)

1. A lens blank comprising a plurality of engaging lens sections having openings adjacent the edges thereof, each opening extending completely through its respective section, said sections being superposed one upon another and immovably secured together, said openings being of substantial size to receive a measuring device and being offset from one another so that a portion of each lens section overlies an opening in its engaging lens section, the edge of each lens



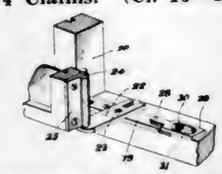
section adjacent its overlying portion underlying the edge of its engaging lens section, whereby the thickness of each lens section may be measured at an opening in its engaging lens section.

2,140,411
GAME APPARATUS
Russell A. Wood, Cambridge, Mass.
Application December 7, 1937, Serial No. 178,493
3 Claims. (Cl. 273—98)



1. A game, in which an apparatus is employed consisting of a horizontally disposed bar having a spiral groove extending from end to end thereof, and a cord loosely engaged at one end with said bar in said groove and having a ball attached thereto at its opposite end, said bar being disposed at a sufficient elevation to permit the ball to swing entirely about it while suspended by the cord, so that when it swings in one direction the groove will cause it to travel towards one end of the bar and when it swings in the opposite direction it will travel towards the other end thereof, opposing players being stationed at opposite sides of the bar and the game objective consisting in the attempt on the part of each player, by striking the ball, to cause it to swing about the bar and to travel towards the end of the bar which the other player is defending.

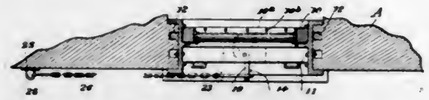
2,140,412
EXTENSION HINGE
Robert W. Banks, Memphis, Tenn.
Application April 16, 1937, Serial No. 137,336
4 Claims. (Cl. 16—163)



1. A hinge means for connecting a panel with a sash whereby the panel may be swung away from the sash, said hinge means comprising an anchoring plate adapted to be fixed upon the sash, a hinge plate adapted to be fixed to the

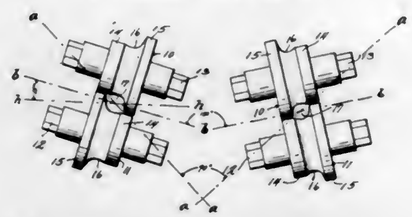
panel, an extension arm pivotally secured at one end to the anchoring plate, means for journalling the hinge plate upon the outer free end of said extension arm, clutch means slidably mounted upon said anchoring plate and engaging said extension arm near its pivot end for locking the extension arm against swinging movement, said clutch means comprising a slotted plate slidably mounted upon the anchoring plate, and said slotted plate and the pivoted end of said extension arm having interfitting tongue and socket connection.

2,140,413
WINDOW ELEMENT AND LOCKING MEANS
Robert W. Banks, Memphis, Tenn.
Original application June 30, 1936, Serial No. 88,230. Divided and this application May 10, 1937, Serial No. 141,825
2 Claims. (Cl. 292—101)



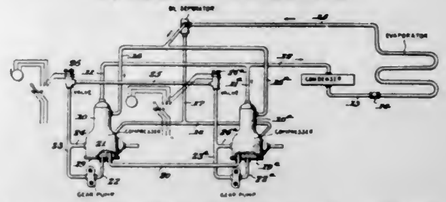
1. A fastener for window sashes and the like comprising a locking hook having a pivot support adapted to be carried by one sash and means carried by the hook for engaging means on an adjoining sash for locking two adjoining sashes together, said locking hook having an elongated shank adapted to project beyond one sash, the outer end of the shank having right angularly extending stop means, an elongated detachable link having a T-shaped slot for receiving the outer end of the shank, the right angularly extending stop means of the shank being adapted to enter the slot at one end and adapted to overhang the sides of the slot as the shank is moved longitudinally of the slot for detachably holding the link in engagement with the shank, and flexible anchoring means carried by the link and adapted to be secured remotely at one end for holding said locking hook in a set position.

2,140,414
CONTINUOUS TUBE OR BAR ROLLING MILL
Benjamin Brownstein, Ellwood City, Pa.
Application September 5, 1936, Serial No. 99,644
4 Claims. (Cl. 80—11)



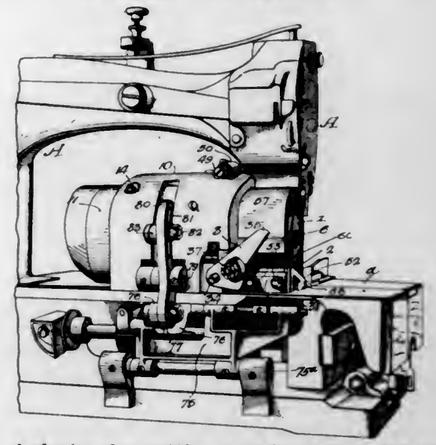
1. A continuous tube rolling mill, including a series of pairs of complementary rolls, each pair of rolls having their axes of rotation parallel to each other inclined at an angle to a horizontal plane ranging from 15° to not more than approximately 25°, the plane of the major axis of the pass of one pair of rolls being disposed at an angle of from 60° to 90° to the plane of the major axis of the pass of the next adjacent pair of rolls, each pair of rolls having their rotative axes inclined in a direction opposite to the inclination of the rotative axes of the next adjacent pair of rolls, each roll of each pair of rolls, except the last pair, having a large diametered portion and a small diametered portion separated by a groove, the large diametered portion of one roll facing toward and confronting the small diametered portion of the opposed roll and defining an elliptical pass, each roll of the last pair of rolls of the series having a medial groove and portions of the same diameter on each side of the groove, the passes formed between the rolls of each pair being gradually smaller from the first pair of rolls to the last pair of rolls.

2,140,415
REFRIGERATION SYSTEM
Leon Buehler, Jr., Waynesboro, Pa., assignor to Frick Company, Waynesboro, Pa., a corporation of Pennsylvania
Application May 3, 1937, Serial No. 140,534
16 Claims. (Cl. 62—115)



11. In a refrigeration system, a plurality of co-acting compressors, pressure lubricating systems for the respective compressors, an equalizing conduit communicating one lubricating system with another, means in addition to said conduit to effect the flow of lubricant from one lubricating system to another in response to a pressure difference therebetween.

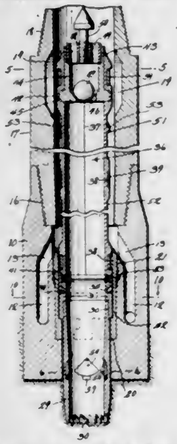
2,140,416
MEASURING AND CUTTING ATTACHMENT FOR SEWING MACHINES
George D. Collar, Glenside, Pa., assignor to Fidelity Machine Company, Wilmington, Del., a corporation of Delaware
Application November 19, 1935, Serial No. 50,610
12 Claims. (Cl. 164—17.5)



1. A device for cutting a strip of material into pieces of predetermined lengths, comprising a shear, a rotary shaft, a feed wheel secured to said shaft and arranged to engage and feed said strip to said shear, means on and operable relative to said shaft for effecting actuation of said shear

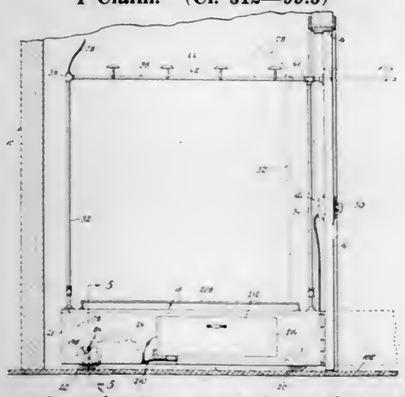
during each revolution of said feed wheel, means adjacent said shaft for controlling the actuations of the first said means relative to said shaft, and means for resiliently pressing said strip into feeding contact with said feed wheel, the circumference of said feed wheel being equal to the normal maximum length of the pieces cut by the shear from said strip.

2,140,417
CORE TAKER FOR ROTARY DRILLS
Ancil Brooks Conklin, Galveston, Tex.
Application December 28, 1937, Serial No. 182,122
15 Claims. (Cl. 255—72)



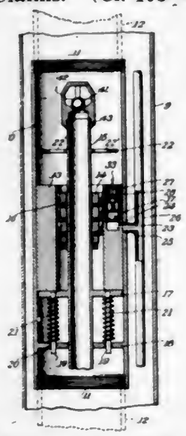
1. A core taking assembly for rotary drills, including a core cutting bit, means constructed and arranged for detachably connecting the core cutting bit with the rotary drill for unitary rotary movement in one direction but disconnecting the core cutting bit from the drill upon a rotary movement of the drill in the other direction to thereby permit the lifting of the core taking assembly from the rotary drill, and a core receiving barrel forming part of the assembly and disposed above the core cutting bit and having swiveled connection therewith.

2,140,418
PORTABLE WARDROBE
Noah L. Dilts, Hammond, Ind.
Application February 24, 1936, Serial No. 65,530
1 Claim. (Cl. 312—99.5)



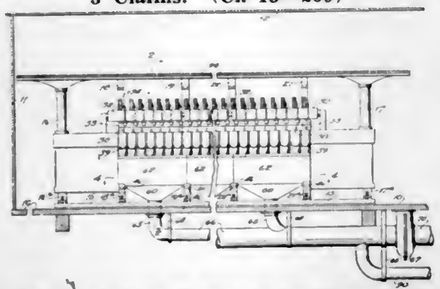
In a closet having an opening and a conventional door for closing the opening, a vehicle connected with the door for moving the same into closing and opening relation with said opening, an electric motor carried by said vehicle and operatively connected therewith for propelling the same, said door being provided with a rotatable knob, a switch operatively connected with the door knob and said motor, and a garment support anchored to the vehicle and the door, said garment support being positioned inside the closet with the door in its closed position.

2,140,419
FLUID LIFT PUMP
William C. Doyle, Vernon, Tex.
Application January 3, 1938, Serial No. 183,181
3 Claims. (Cl. 103—240)



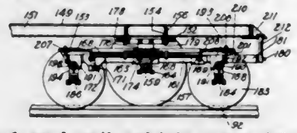
1. A fluid lift pump comprising a well pipe, a tubular barrel forming a closure in the pipe, a fluid pipe slidably fitted in the barrel, a piston carried by the fluid pipe and slidably fitting the cylindrical wall of the barrel, a trip disc carried by the fluid pipe and movable as a unit with the fluid pipe and piston, a compressed air supply pipe entering the barrel, a compressed air chamber in the barrel opening through the top of the barrel, a spring pressed valve controlling the chamber and having a stem projecting above the top of the barrel to be struck by said trip disc to open the valve when pressure builds up in the fluid pipe above the piston to depress the piston, and means connected to the well pipe and to the fluid pipe for limiting movement of the fluid pipe in either direction.

2,140,420
METHOD OF CLEANING TEXTILE MACHINERY
Ernest J. Eaddy, Spartanburg, S. C.
Application April 20, 1937, Serial No. 138,054
3 Claims. (Cl. 15—269)



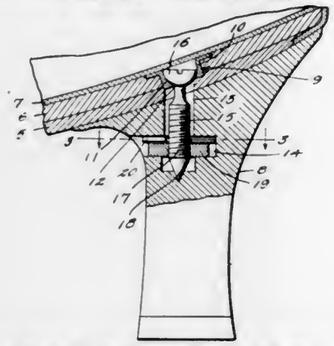
1. That method of freeing textile machinery from lint and fly which includes drawing lint and fly laden air downwardly through the parts of the machinery, removing the lint and fly from the air, and returning the cleaned air to the machinery from above.

2,140,421
PNEUMATIC-TIRED HIGHWAY AND RAIL VEHICLE
William B. Fageol, Kent, Ohio, assignor to Twin Coach Company, Kent, Ohio, a corporation of Delaware
Application November 14, 1933, Serial No. 697,989
4 Claims. (Cl. 105—215)



1. A road and rail vehicle comprising a body supported adjacent each end thereof by a truck having a swivel connection with said body, load bearing wheels having a resilient tread supporting said truck, and rail guiding means connected to said truck comprising guiding wheels in substantial alignment with said load bearing wheels having a resilient tread for load bearing engagement with the top of the rail and a guiding flange for cooperation with the side of the rail, said guiding wheels being disposed in proximity to said load bearing wheels, and means for moving said guiding means to and from rail guiding position and varying the load on said guiding wheel.

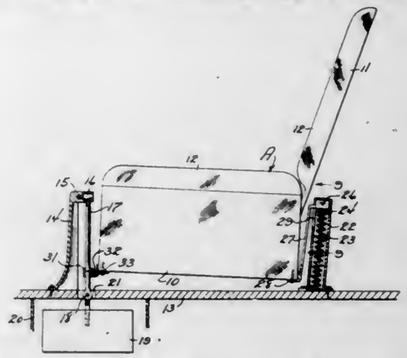
2,140,422
FOOTWEAR
Julius Farina, Springfield, Mass.
Application June 20, 1938, Serial No. 214,791
4 Claims. (Cl. 36—42)



1. In a shoe, the combination of a sole provided in the heel attaching section with an aperture extending therethrough, a cap within said aperture, a heel appressed against said section and formed in the upper section thereof with an upwardly extending socket and a slot intersecting said socket and effecting communication with the exterior of said heel, a nut positioned in said slot and capable of being inserted in and removed therefrom when said heel is against said sole, and a bolt swiveled to said cap and extending through said nut for fixing said heel to said sole.

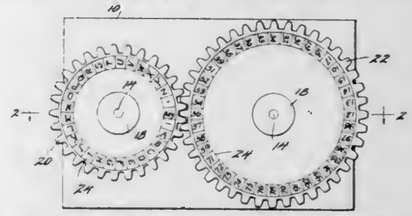
2,140,423
SELF-ADJUSTING AUTO SEAT
Willis S. Frees, Garrettsville, Ohio
Application April 19, 1937, Serial No. 137,813
7 Claims. (Cl. 155—5)

7. The combination of a seat, stationary parts fore and aft of said seat, a hanger slidably and swingably fitting one of the parts and supporting one end of said seat, a weighted pendulum arm swingably connected to the other part and supporting the other end of said seat, spring means assembled between said slidably and swingably fitted hanger and its corresponding stationary part to resiliently support said hanger,



and abutment means on said stationary part against which said hanger bears when the seat is unoccupied operative to hold said hanger against swinging movement, the weight of an occupant on said seat serving to depress the spring means to move said seat and hanger to free said hanger from said abutment means.

2,140,424
CRYPTOGRAPHIC DEVICE
William F. Friedman, Washington, D. C.
Application June 7, 1937, Serial No. 146,906
12 Claims. (Cl. 35—3)

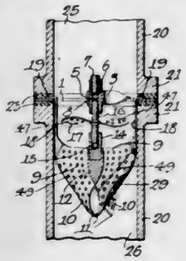


1. A cryptographic device for encyphering and decyphering messages comprising a pair of relatively rotatable engaging toothed gears, the number of teeth on the two gears being unequal, one of said gears bearing in an annular space immediately adjacent the teeth indicia in the form of message characters, and the other of said gears bearing, in an annular space immediately adjacent the teeth, indicia in the form of cypher symbols.

2,140,425
VAPORIZER
Frank J. Hamrock, Elmer L. Simonson, and Adolph Phil Meng, Homestead, Pa.
Application October 22, 1937, Serial No. 170,474
1 Claim. (Cl. 48—180)

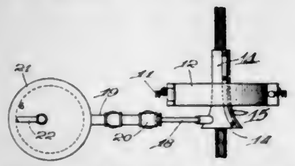
In a device of the class described a support having an opening, fins secured to the support in the path of fuel passing through the opening, the fins being of spiral form and being tapered to approximate a cone, the points of the fins being spaced apart about the apex of the cone and the outer edges of the fins being circumferentially inclined, legs connecting the fins with the support and forming a space, and a spinner in said

space, the spinner being carried at one end for rotation on the fins, and means mounted on the



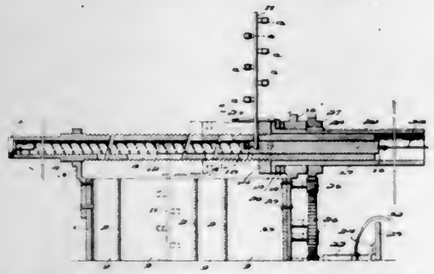
support for carrying the opposite end of the spinner for rotation.

2,140,426
LUBRICATING WIRE ROPE
Walter D. Hodson, Beverly Hills, Ill.
Application October 9, 1936, Serial No. 104,881
3 Claims. (Cl. 184—15)



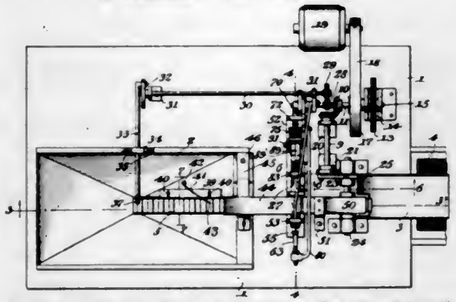
2. An apparatus for the lubrication of wire ropes comprising a split frame, a split bell mouthed funnel, the narrower portion of the funnel being shaped to clasp tightly a rope passing therethrough, and the funnel being universally mounted with the frame to permit alignment thereof with a rope passing therethrough, and means for applying a viscous, tenacious lubricant in the mouth of the funnel, the longitudinal axis of the funnel being transverse to the plane of the frame.

2,140,427
ARTICLE HANDLING DEVICE
Bert L. Keeney, Princeton, Ky.
Application July 23, 1938, Serial No. 220,980
8 Claims. (Cl. 214—17)



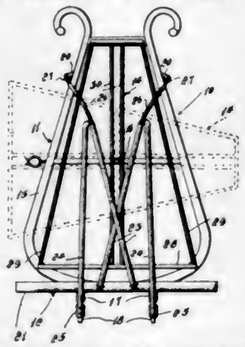
8. Article handling means comprising a shaft formed with a series of connected longitudinal and rotary guide tracks, an article carrier mounted for movement along said tracks, and means for moving said article carrier along said longitudinal tracks, in combination with means normally unengaged for engaging said carrier at the beginning of each said rotary track to rotate it therethrough and thereafter release it for movement along one of said longitudinal tracks.

2,140,428
MACHINE FOR CRACKING NUTS
Delbert La Ferney, Pine Bluff, Ark.
Application September 25, 1934, Serial No. 745,459
5 Claims. (Cl. 146—12)



1. In a nut cracking machine, the combination with a nut-cracking plunger having teeth, of a pawl-carrier, a pawl mounted on said carrier in position to engage said teeth, cam means for disengaging the pawl from said teeth to enable the plunger to be retracted, cam means for shifting the pawl carrier to cause the pawl to advance the plunger to effect cracking of the nut, pitman means for retracting the plunger, and an ejector carried with the pawl carrier and which is adapted to be operated when the plunger is retracted by the aforesaid means.

2,140,429
GLOCKENSPIEL ATTACHMENT
Phillip Andrew Laffey, Oshkosh, Wis.
Application January 27, 1938, Serial No. 187,271
7 Claims. (Cl. 84—403)



1. A device of the class described comprising a glockenspiel provided with depending spaced sockets in the lower part thereof, pegs removably mounted in said sockets and depending therefrom; a harness comprising a belt adapted to be secured around the waist of the wearer, sockets depending from the belt to receive said pegs to support the glockenspiel in substantially an upright position, and shoulder straps secured to said belt and adapted to engage the shoulders of the wearer to assist in supporting the weight of the glockenspiel.

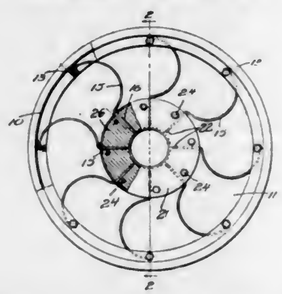
2,140,430
GRIPPING TOOL
John P. Lynch, Somerset, Mass.
Application July 13, 1938, Serial No. 219,093
3 Claims. (Cl. 294—53)

1. A tool of the class described comprising a tubular shank, a fixed shovel-like jaw member extending from one end of said shank, a second similar jaw member swingably mounted on said fixed member, and means for swinging said second member including a head mounted on the other end of said shank for rotation thereon and movement longitudinally thereof, coacting cam-



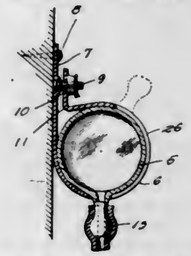
ming devices on said shank and head, respectively, for moving said head longitudinally under rotation thereof, and an operating connection between said head and second jaw for imparting swinging movement to the latter under longitudinal movement of the head.

2,140,431
SPRING WHEEL
David E. Morphew, Roann, Ind.
Application September 7, 1937, Serial No. 162,732
1 Claim. (Cl. 152—50)



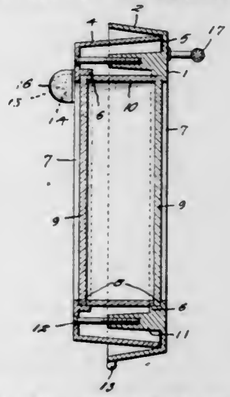
A spring wheel including a flanged rim, a disc, an annular series of bolts connecting the disc to the rim, a cylindrical hub, a drum concentric with the hub and having a side wall integral with one end of the hub, an annular side wall on the hub opposite the drum side wall, springs pivotally connected at their outer ends to said bolts, said springs being arcuate in contour, said drum being provided with transverse slots, the inner ends of said springs being straight and projecting into the drum through said slots, stop lugs projecting laterally of said straight inner ends of said springs, there being aligned oppositely disposed annular series of openings in said arcuate side wall of the hub and said side wall of the drum receiving said lugs, bolts engaged through said arcuate side wall and said side wall of the drum to removably secure the arcuate side wall to the hub, removal of said arcuate side wall permitting removal of the inner ends of the springs from the drum, and a rubber filler between the hub and the cylindrical wall of the drum enveloping the inner ends of the springs.

2,140,432
STORAGE BATTERY WATER SUPPLY FOUNTAIN
Frank K. Nomiya Berkeley, Calif.
Application December 5, 1936, Serial No. 114,461
2 Claims. (Cl. 137—21)



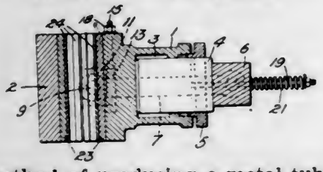
1. A device of the character described comprising a cylindrical tank arranged for rotation on a horizontal axis and having an outlet nipple, and a clamp encircling said cylindrical tank for rotatably supporting the same for turning on a horizontal axis and simultaneously the raising and lowering of the nipple thereof.

2,140,433
OVEN DOOR
Masie Paul, Juneau, Territory of Alaska
Application May 9, 1938, Serial No. 206,932
2 Claims. (Cl. 126—200)



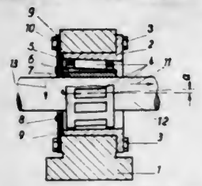
1. An oven door comprising inner and outer frame members, each including a body portion having an opening therein, outwardly flared rims formed on the outer edges of the body portions and inwardly directed therefrom, said rims being disposed for interfitting association, with the rim of the outer frame member disposed exteriorly of the rim of the inner frame member, transparent panels mounted in the frame members for closing the openings, spacing means for the panels, lugs formed on the body portion of the outer frame member and having threaded bores therein, screw means extending through the body portion of the inner frame member and threaded in the bores for securing the frame members together for cooperation with the spacing means for holding the panels in fixed spaced relation to each other, mounting means for the door and secured to the outer frame member, and a handle for the door.

2,140,434
MANUFACTURE OF METAL TUBES AND TUBULAR ARTICLES
Sydney Smith, London, England, assignor to Wellman Seaver Rolling Mill Company Limited, London, England, a British company
Application February 18, 1937, Serial No. 126,498
In Great Britain March 11, 1936
10 Claims. (Cl. 205—8)



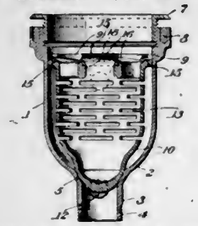
1. A method of producing a metal tubular article consisting in pressing a heated billet between jaws to reduce its cross-section throughout its length to the area and form required to be received into the container of a punching apparatus, introducing it after such pressing into the container of said punching apparatus, forcing in a punch from one end, removing the tubular hollow thus produced from the container and treating it in a reducing apparatus to convert it into a tubular article.

2,140,435
BEARING
Wilhelm Gustav Otto Stieber, Munich, Germany
Application October 22, 1937, Serial No. 170,339
In Germany June 19, 1937
8 Claims. (Cl. 308—236)



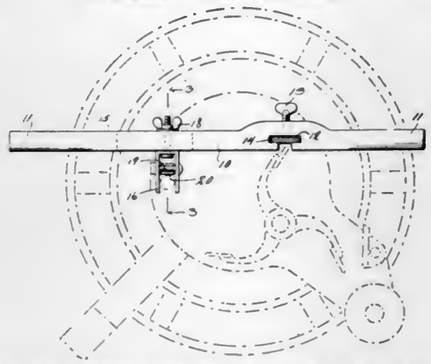
1. A bearing for supporting a part which is rotatable in said bearing, said bearing having an adjustable clearance and comprising a pair of members provided with cone shaped surfaces which surfaces are disposed substantially concentric within one another, roller means displaced in between said cone shaped surfaces, one of said members being axially displaceable whereby said members are pressed toward said means with more or less pressure and at least one of said members is radially deformed and the clearance of the bearing changed.

2,140,436
SINK DRAIN TRAP
Rodman H. Vanerstrom, Chehalis, Wash.
Application August 17, 1937, Serial No. 159,547
5 Claims. (Cl. 4—287)



1. A sink trap comprising a reservoir including a discharge neck adapted for connection to a drain pipe, means for detachably securing the reservoir onto a sink, a seat formed in said reservoir, a sediment bowl removably mounted in said reservoir and adapted to be adjusted against said seat for closing the reservoir to said discharge neck, and means for detachably and adjustably securing the sediment bowl on the reservoir and acting to force the bowl tightly against the seat when said bowl is lowered into engagement therewith.

2,140,437
BLADE SHARPENER FOR LAWN MOWERS
Horace T. Walker, Columbia, Ky.
Application August 5, 1937, Serial No. 157,625
1 Claim. (Cl. 76—82.1)

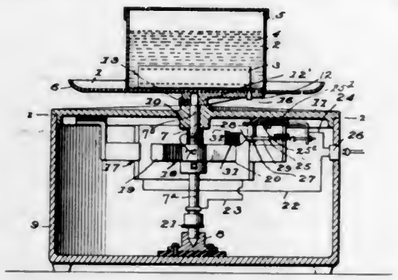


A lawn mower sharpening device, comprising a bar having a portion of each end formed to provide a handle, the bar having a T-shaped slot cut transversely thereinto and opening through one face, said slot being designed to receive a body having a cutting face, means carried by the bar and extending into the slot for securing said body therein whereby the said cutting face may be engaged by the end of a blade extended into the slot and disposed transversely of the bar, said bar having an elongated slot formed longitudinally therethrough adjacent the handle remote from the T-slot, a substantially U-shaped member having two side portions and a flat yoke portion connecting the side portions, said yoke portion being disposed against the side of the bar through which the T-shaped slot opens and lying over said elongated slot, a pin extending across and connecting the side portions of the U-shaped member, a roller carried upon said pin, said U-shaped member being designed to receive a cross brace bar of the lawn mower and said roller being designed to rest upon said bar, a bolt extending through the aperture of the yoke of the U-member and through said slot, and means engaging said bolt to secure the U-member against the slotted bar.

2,140,438
FILM DEVELOPING METHOD
Robert A. Webster, Santa Monica, Calif.
Application December 21, 1933, Serial No. 703,463
4 Claims. (Cl. 95—88)

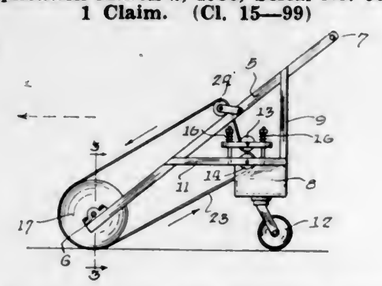
1. The method of processing photographic film or like subject-matter by means of a processing solution, which consists in placing the film in a receptacle containing the solution, oscillating the receptacle by impulse actions horizontally about a vertical axis so as to effect current flow motions of the solution normal to such directions of motion of the receptacle during major portions

of the oscillation strokes, and imparting to the receptacle in quick succession at the end of an oscillation stroke and beginning of the reverse oscillation stroke abrupt vibratory stopping ac-



tion and an abrupt vibratory starting action respectively causing momentum and inertia reaction currents in the solution supplemental to and perpendicular to the plane of the normal flow motions of the solution.

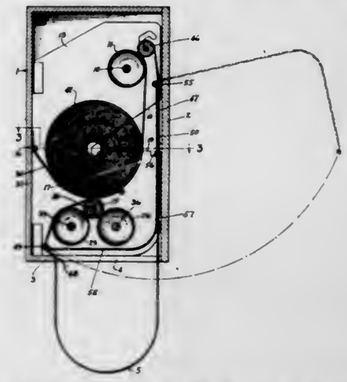
2,140,439
AUTOMATIC DRIER
Dow Williams, Santa Ana, Calif.
Application March 2, 1936, Serial No. 66,704
1 Claim. (Cl. 15—99)



In a device of the class described including a frame having a shaft mounted therein, a plurality of drums loosely mounted on said shaft, each of said drums having a hub and a bore extending through said hub of greater diameter than the diameter of said shaft, slots formed in the hubs, pins extending through said shaft and into the slotted hubs, an endless belt of absorbent material carried by supporting means on said frame and passing partly around said drums and in contact therewith, whereby when said drums and said belt are moved over the ground, said drums will compensate for unevenness in the surface thereof.

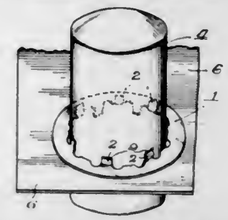
2,140,440
TOWEL DISPENSING APPARATUS
Charles A. Chidsey, Jr., Detroit, Mich., assignor to Steiner Sales Company, Salt Lake City, Utah, a corporation of Utah
Application May 13, 1936, Serial No. 79,513
10 Claims. (Cl. 312—38)

6. A towel dispensing apparatus comprising a cabinet having a service door and having a bottom wall cut away to provide an opening extending from the door to a point near the back wall of the cabinet, said opening allowing the toweling to pass downwardly then upwardly to form a loop, soiled towel takeup means near the bottom of the cabinet, a plate pivoted to the cabinet and having a portion opposed to and spaced from the door to form therewith a guide for clean toweling, said plate having a portion interposed between the opening and said takeup means to prevent tampering by entry through the bottom but permit movement of the toweling into the cabinet to the takeup means, said plate being adapted to swing to allow servicing of the cabinet.



9. A towel dispensing apparatus in which soiled toweling is taken up as clean toweling is dispensed, comprising a soiled takeup roll mounted to move in a direction perpendicular to its axis of rotation as the amount of soiled toweling thereon increases, a substantially frictionless movable division element for supporting a roll of clean toweling, said element being interposed and in direct contact with contiguous surfaces of the clean and soiled rolls, and roller means frictionally supporting the soiled take-up roller for drive rotation thereof, said roller means being adapted to substantially receive the combined gravital effect of the rolls and their interposed division element.

2,140,441
MOUNTING
Richard U. Clark, Wilmette, Ill., assignor, by mesne assignments, to The Magnavox Company, Incorporated, a corporation of Indiana
Application November 10, 1936, Serial No. 110,098
3 Claims. (Cl. 248—27)



3. In a suspension mounting device adapted to be pressure mounted in an opening of a fixed support to permit pressure mounting and demounting of an object in the device, comprising a body member having a central opening, opposed longitudinal spaced sets of resilient gripping members around said opening extending axially and radially inwardly and adapted to resiliently but firmly grip the mounted object at longitudinally spaced regions for maintaining the mounted object in axial alignment with respect to the mounting device and in a predetermined longitudinal position, said device being adapted to be pressure applied through the opening of a fixed support to engage with said support.

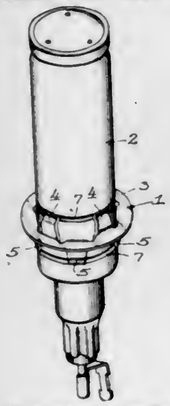
2,140,442

CONDENSER AND MOUNTING THEREFOR

Richard U. Clark, Wilmette, Ill., assignor, by mesne assignments, to The Magnavox Company, Incorporated, a corporation of Indiana

Original application November 10, 1936, Serial No. 110,098. Divided and this application April 23, 1937, Serial No. 138,495

1 Claim. (Cl. 248—27)



In a device of the class described, the combination of a condenser and a mounting therefor provided with opposed sets of reversely curved resilient gripping members at their free ends adapted to resiliently but firmly grip the condenser, and circumferentially arranged spaced recesses formed in the wall of the condenser to receive the gripping members substantially as and for the purpose set forth.

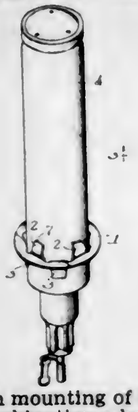
2,140,443

SUSPENSION MOUNTING

Richard U. Clark, Wilmette, Ill., assignor, by mesne assignments, to The Magnavox Company, Incorporated, a corporation of Indiana

Application April 23, 1937, Serial No. 138,497

1 Claim. (Cl. 248—27)



In a suspension mounting of the class described comprising in combination a base member having an opening, longitudinally spaced sets of resilient gripping members adapted to resiliently but firmly grip a mounted object at longitudinally spaced planes for maintaining the object in axial alignment with respect to the mounting device and in a predetermined longitudinal position against unintentional longitudinal displacement, certain of said resilient grips having their contact ends terminate at an angle to the axis of the opening and integrally provided at their leading edge with means for biting engagement with said object substantially as and for the purpose set forth.

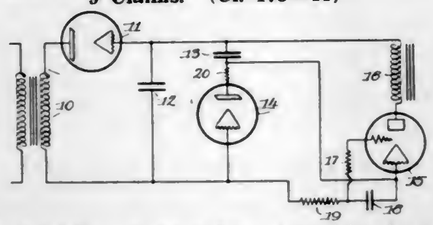
2,140,444

FILTER CIRCUITS

Richard U. Clark, Fort Wayne, Ind., assignor, by mesne assignments, to The Magnavox Company, Incorporated, a corporation of Indiana

Application July 12, 1937, Serial No. 153,159

9 Claims. (Cl. 178—44)



3. An electrical wave filter comprising in combination, a condenser, an inductance from 3 to 50 millihenries in series with a rectifier, all connected in a single series across the output of a unidirectional power supply to attenuate the ripple therein and to maintain the phase of the remaining output ripple substantially in phase relation with the input.

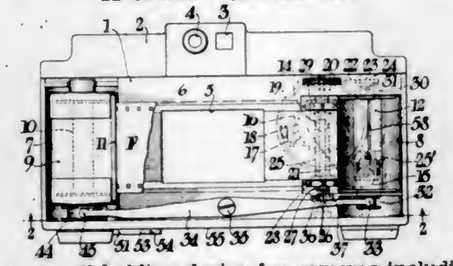
2,140,445

FILM WINDING MECHANISM

Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application May 29, 1937, Serial No. 145,497

11 Claims. (Cl. 242—71)



1. A roll holding device for cameras including spool chambers spaced by an exposure frame, winding mechanisms for both spool chambers, a sprocket connected to one winding mechanism and adjacent one spool chamber, handles for separately operating both winding mechanisms manually, a mount for one of said handles on which it may be folded to and from an operable position, connections between the winding mechanisms operable upon moving the foldable winding handle upon its mount to an operable position for disconnecting the other winding mechanism whereby film may be wound in a reverse direction.

2,140,446

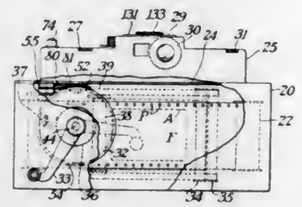
FOCAL PLANE SHUTTER

Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application November 13, 1937, Serial No. 174,443

23 Claims. (Cl. 95—57)

1. In a shutter for cameras, the combination with two relatively moveable members to define an exposure aperture between them, of power means for moving said members to make an exposure, control mechanism independently connected to each member, a shutter trigger for operating said control mechanism for each member, the control mechanism and trigger having



two paths of movement, one path of movement for causing one relatively moveable member to move relative to the other under the influence of the power means for determining the amount of exposure, and a second path of movement for causing the power means to move both of the relatively moveable members to make an exposure.

2,140,447

EXPLOSIVE

Joseph W. Ayers, Easton, Pa., assignor to C. K. Williams & Co., Easton, Pa., a corporation of Pennsylvania

No Drawing. Application April 16, 1937, Serial No. 137,211

6 Claims. (Cl. 52—7)

1. An explosive composition including dynamite comprising an explosive compound and a filler of alkali metal silicate bubbles.

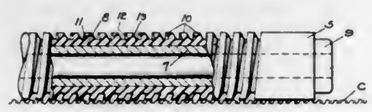
2,140,448

LOOM TEMPLE ROLL

Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine

Application March 22, 1938, Serial No. 197,437

6 Claims. (Cl. 139—296)



1. A temple roll comprising a roll body having resilient cloth-engaging ribs extending circumferentially thereof, said ribs being inclined toward the selvage end of the roll at an acute angle to the axis of the roll.

2,140,449

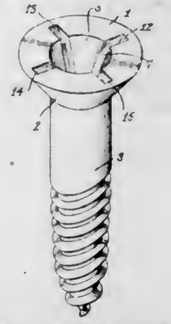
SCREW WITH SOCKETED HEAD AND PLURALITY OF SLOTS

Frank K. Brown, South Dartmouth, Mass., assignor to Continental Screw Company, New Bedford, Mass., a corporation of Massachusetts

Application February 10, 1937, Serial No. 125,153

1 Claim. (Cl. 85—45)

A screw of the kind described, having its head portion formed with a central socket in the contour of an inverted truncated cone, extending from the top surface of the screw inwardly and downwardly, and provided with a plurality of symmetrically-arranged, diametrically opposite slots rectangular in cross-section, and opening



from the top face of the screw into the conical walls of the central recess.

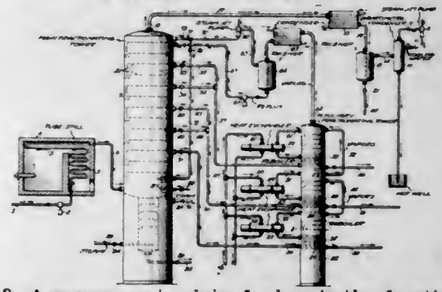
2,140,450

METHOD OF DISTILLING HYDROCARBON OILS

Richard S. Danforth, Berkeley, Calif., assignor, by mesne assignments, to American Locomotive Company, New York, N. Y., a corporation of New York

Application April 26, 1934, Serial No. 722,457

6 Claims. (Cl. 196—77)



3. A process as in claim 1 wherein the fractionating zone is maintained at a sub-atmospheric pressure, higher than the pressure in said stripping zone.

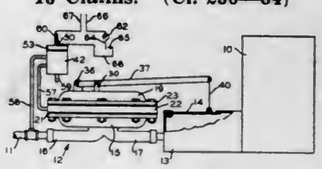
2,140,451

CONTROL MECHANISM

Frederick S. Denison, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

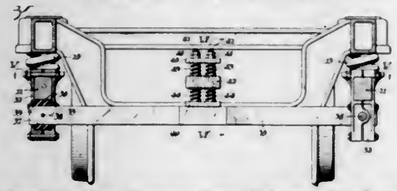
Application December 20, 1934, Serial No. 758,417

13 Claims. (Cl. 236—84)



9. The combination with a burner, a fuel valve in control of the flow of fuel to the burner and a damper in control of the flow of air thereto, of a pressure motor having a housing and a pair of diaphragms in said housing forming two walls of said pressure motor, mechanical connections between one of said diaphragms and said valve, mechanical connections between the other of said diaphragms and said damper, and means in control of the pressure in said motor between said diaphragms.

2,140,452
RAILWAY CAR TRUCK
Ernest R. Hill, East Orange, N. J., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 26, 1935, Serial No. 28,446
5 Claims. (Cl. 105—139)



1. Means for connecting the ends of motor-supporting cross bars to equalizer bars extending between wheel axles at opposite sides of a car truck, including vertically-split brackets formed respectively of components which engage the equalizer bars at opposite sides, the components of said brackets providing hollows, and retaining-blocks of resilient material in said hollows, for resiliently sustaining and cushioning the ends of the cross bars.

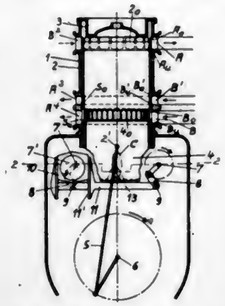
2,140,453
WINDSHIELD WIPER
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application November 5, 1935, Serial No. 48,370
8 Claims. (Cl. 15—245)



1. A window wiper having a rubber wiping element provided with a flexible wiping edge, and water collecting recesses formed in the rubber wiping element and arranged above its wiping edge for receiving and carrying a supply of moisture as it collects on the glass surface in advance of the wiping edge, said recesses having opposing wall portions for directing the collected moisture toward the wiping edge to lubricate the glass surface in advance of the wiping edge when the latter begins to cling to the surface through an insufficient wetting thereof.

2,140,454
TWO-STROKE INTERNAL COMBUSTION ENGINE
Werner Howald, Zurich, Switzerland
Application October 29, 1936, Serial No. 108,291
In Switzerland November 12, 1935
12 Claims. (Cl. 123—81)

1. In a sleeve valve two-stroke internal combustion engine which includes a cylinder, a sleeve valve, a piston, a crank shaft and a connecting rod between said crank shaft and said piston; means to operate said valve, which means includes two additional crank shafts located in a plane substantially normal to the axis of the piston, a driving beam, connecting rods connecting the cranks of said two additional crank shafts to said beam, said beam lying approximately parallel

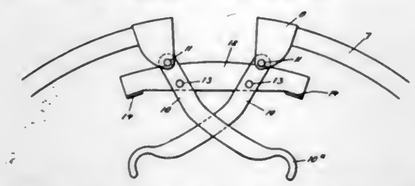


to said plane, and a driving pivot connecting said beam to said sleeve valve, a slotted guide carried by said beam and an eccentric sheave movable in said guide, and an eccentric on one of said two additional crank shafts, and carrying said eccentric sheave.

2,140,455
PREPARATION OF DYESTUFFS OF THE DIBENZANTHRONE SERIES
Edward T. Howell, Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 24, 1937, Serial No. 155,564
3 Claims. (Cl. 260—355)

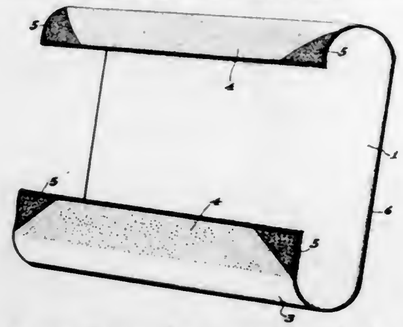
1. In the process for preparing dialkoxydibenzanthrones wherein a hydroxydibenzanthrone is alkylated in a nitrobenzene with a dialkyl sulfate of the class consisting of dimethyl sulfate and diethyl sulfates, the step which comprises carrying out the alkylation in the presence of a potassium carbonate.

2,140,456
CLOSURE FOR RECEPTACLES
Gustav H. Kaemmerling, Erie, Pa., assignor to Johnson Metal Products Company, Erie, Pa., a corporation of Pennsylvania
Application January 21, 1935, Serial No. 2,716
8 Claims. (Cl. 220—61)



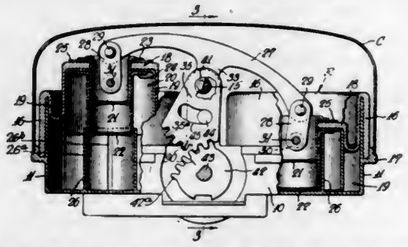
1. In a device of the character described, the combination of a receptacle having an out-turned edge; a cover having a seating edge engaging the out-turned edge; a contractible split closing ring of channel form in cross section extending over the periphery of the cover and under the out-turned edge; a lever pivotally secured to each end of the ring the pivots of said levers being substantially parallel to the axis of the ring; and means connecting the levers, said levers being directed to exert a closing pressure on the ring with a movement of the levers toward the ring.

2,140,457
FLOOR COVERING OR RUG
Richard G. Knowland, Pelham, N. Y., and James N. Dow, Springfield, Mass., assignors to Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn., a corporation of Massachusetts
Application February 6, 1935, Serial No. 5,236
2 Claims. (Cl. 154—49)



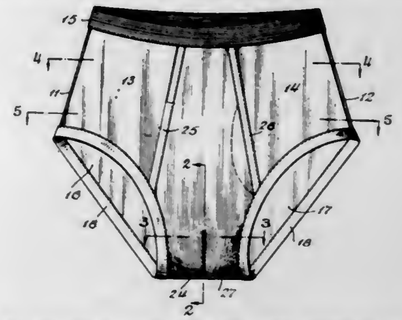
1. A pile fabric floor covering of the non-heading type having a woven backing and pile, both terminating at a common edge, the threads of the backing in the end portion of the covering being held in their woven condition by an adhesive impregnating the said end portion and serving to stiffen the same, and triangular corner pieces secured by said adhesive to the under surface of said backing in the stiffened end portion.

2,140,458
SUCTION MOTOR
David Kuskin, New York, N. Y., assignor, by mesne assignments, to Trico Products Corporation, Buffalo, N. Y.
Application November 17, 1934, Serial No. 753,430
6 Claims. (Cl. 121—48)



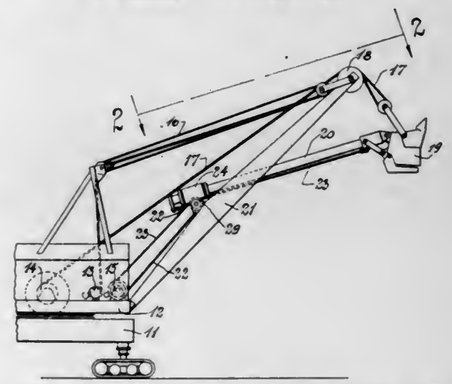
2. In a suction motor a working chamber including a cylindrical socket and a power applying member comprising a resilient diaphragm closing the mouth of the socket, reinforcing means fixed with respect to the center of the diaphragm, said diaphragm including an annular inwardly extending bight or fold portion disposed between said reinforcing means and the socket wall, said reinforcing member including an inwardly extending, approximately cylindrical member connected to the center of the diaphragm and sufficiently smaller in diameter than the socket to prevent pinching of the bight of the diaphragm between the reinforcing member and the socket, the diaphragm tending by its own inherent resiliency to move inwardly toward the bottom of the socket and means predetermining the range of movement of the diaphragm so that a portion of the bight always lies against the inside wall of the socket and a portion of the bight always lies against the outer cylindrical surface of the reinforcing member.

2,140,459
MAN'S UNDERGARMENT
Arthur M. Reis, New York, N. Y., assignor to Robert Reis & Co., New York, N. Y., a corporation of New York
Application December 17, 1937, Serial No. 180,288
4 Claims. (Cl. 128—159)



1. An undergarment of the class described comprising front and back portions and an elastic waist band secured to the top margins of said front and back portions, said front portion being formed of two front sections of material overlapped a substantial distance to form a double ply fly front of substantial width, said front sections having registering inverted V-shaped notches extending upwardly from their lowermost margins and sewed together to form a dart, the lowermost margins of said front sections being secured to the lowermost margin of said back portion by stitching forming a seam connected with said dart, said front and back portions having complementary margins forming leg openings and having bindings of substantially inelastic tape, said seam forming a substantially inelastic connection between said leg opening bindings, said overlapped front sections having marginal bindings of substantially inelastic tape each providing a substantially inelastic connection between said elastic waist band and one of said leg opening bindings.

2,140,460
POWER SHOVEL
Carl E. Stiehl, South Milwaukee, Wis., assignor to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware
Application September 18, 1937, Serial No. 164,454
8 Claims. (Cl. 214—135)



1. In a power shovel, the combination of: a base; a boom, inclined forwardly therefrom; a hoist winch on the base; a thrust winch on the base; a handle, mounted on the boom for recip-

rocation, and for angular movement in a vertical plane about a fixed point on the boom; a digging dipper carried at the outer end of the handle; means supporting the handle at the above-mentioned point for free turning about the handle axis, while resiliently resisting side-thrust; rope means, actuated by the thrust winch and directly applied to the handle, for reciprocating the handle; twin sheaves, laterally widely spaced at the outer end of the boom; and twin hoist-ropes, supporting the dipper at laterally widely spaced points, and thence passing over the twin sheaves to the hoist winch.

2,140,461

CYCLOHEXYLAMMONIUM MANDELATE

Elmer H. Stuart, Indianapolis, Ind., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana

No Drawing. Application June 22, 1938, Serial No. 215,231

1 Claim. (Cl. 260—501)

Cyclohexylammonium mandelate.

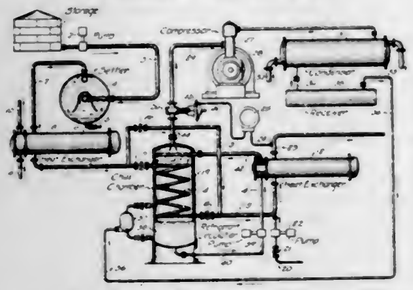
2,140,462

REFRIGERATING METHOD AND APPARATUS

Charles W. Stratford, Kansas City, Mo., assignor to Stratford Development Corporation, Kansas City, Mo., a corporation of Delaware

Application January 18, 1937, Serial No. 121,033

6 Claims. (Cl. 62—126)



1. In a refrigerating system, a chamber, means for supplying liquefied gaseous refrigerant to said chamber, a heat exchanger, a heat exchange means positioned within said chamber and means for circulating a liquefied refrigerant gas from said chamber through said heat exchanger and back into said chamber, and means for passing returned liquefied refrigerant gas over said heat exchange means in said chamber.

2,140,463

METHOD OF MANUFACTURING SEPARABLE INTERLOCKING FASTENERS

Gideon Sundback, Meadville, Pa., assignor to Talon, Inc., a corporation of Pennsylvania

Application August 17, 1933, Serial No. 685,601

Renewed May 7, 1938

3 Claims. (Cl. 18—59)



1. The method of making separable interlocking fasteners of the class described having elements each with a slotted portion at one end and an interlocking head portion at the other end, which comprises forming a tape engaging portion at the extreme end of the rod, attaching such portion to the edge of a tape, forming the interlocking portion of the element on that portion of the strip adjacent the tape, and severing the element thus formed from the rod.

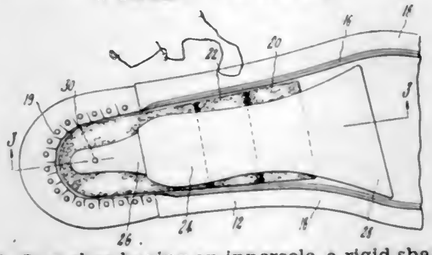
2,140,464

ARCH-SUPPORTING SHOE

Perley Irving Watts, Rockland, Mass., assignor of one-half to Edmond A. Hebert, Brookville, Mass.

Application December 4, 1937, Serial No. 178,021

2 Claims. (Cl. 36—8.5)



1. In a shoe having an innersole, a rigid shank-piece extending from the heel to the ball portion of the shoe, and a resilient cushion between said shank piece and innersole from the heel of the shoe to the forward end of the shank portion, said cushion having a portion of extra thickness extending across said shoe at the middle of the shank and raising a broad transverse ridge in the innersole.

2,140,465

GEM SETTING TOOL

Ralph C. Bangs, Providence, R. I., assignor to Cohn & Rosenberger, Inc., of Rhode Island, a corporation of Rhode Island

Application July 27, 1937, Serial No. 155,875

7 Claims. (Cl. 29—10)



1. A tool for gem setting comprising a tubular shank having a plurality of stock engaging and deflecting projections arranged to contact different points about the gem setting, and a member telescoping within said shank, resilient means for urging said member outwardly and arranged to contact the gem and seat the same while the projections deflect said stock, and a conically pointed presser member through which the resilient means acts on said telescoping member.

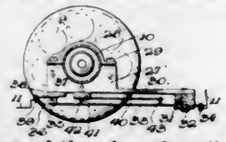
2,140,466

SAFETY DEVICE FOR GAS HEATERS

Paul L. Betz, Baltimore, Md., and Sebastian Karrer, Washington, D. C., assignors to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md., a corporation of Maryland

Application February 3, 1938, Serial No. 188,554

2 Claims. (Cl. 158—117.1)



1. In a device of the class described, the combination of a burner, means for mixing gas and air and supplying the mixture to said burner, an electrically controlled gas supply valve, an energizing circuit for said valve, a normally closed make and break device for said circuit, and a thermally responsive bimetallic element secured to the wall of said first-named means in heat-conducting relation therewith and operatively connected with said device, said device being disposed outside said mixing means and not subject to heat therein.

2,140,467

THREADED JOINT

Clifton Cargile, Enid, Okla., assignor to The George E. Failing Supply Company, Enid, Okla., a corporation of Oklahoma

Application December 1, 1937, Serial No. 177,591

6 Claims. (Cl. 285—146)



1. In a device of the character described, a pair of tubular members having interengaging threaded walls with the thread on one of said members terminating short of the end of said member to provide a scraping face arranged at an angle transverse to the direction of rotation when connecting said members for dislodging accumulated material from between the threads of the other member, said member having the scraping face being provided with an opening extending completely through the wall thereof wherethrough the dislodged material is extruded and diverted away from any interengaging surfaces of said members.

2,140,468

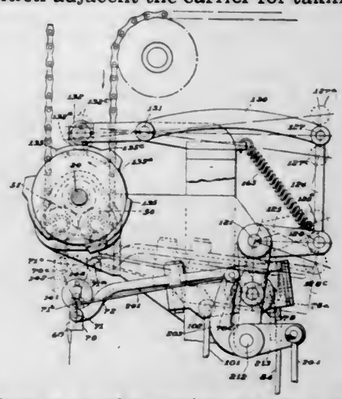
AXMINSTER LOOM

Joseph A. Coyle, Amsterdam, N. Y., assignor to Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn., a corporation of Massachusetts

Application November 20, 1936, Serial No. 111,767

17 Claims. (Cl. 139—7)

1. In an Axminster loom, apparatus for continuously operating the chain carrier and delivering tube frames to the weaving point, comprising a chain carrier having a plurality of link sections adapted to carry tube frames, means for advancing the carrier continuously at a constant rate of speed throughout its entire length, transferring mechanism for conveying tube frames from the carrier to the weaving point and return, and means to move the transferring mechanism to one position adjacent the carrier for taking a tube



frame from a carrier section and to a different position adjacent the carrier for returning the tube frame to the same carrier section while said carrier section is advancing continuously.

2,140,469

PRODUCTION OF METHACRYL-CONTAINING COMPOUNDS

John William Croom Crawford and James McGrath, Ardrossan, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application July 8, 1935, Serial No. 30,408. In Great Britain July 9, 1934

13 Claims. (Cl. 260—526)

1. In a process for the production of methacrylyl containing compounds the steps of treating acetone cyanhydrin with at least one molecular proportion of sulphuric acid at a temperature between 100° C. and 140° C. and isolating methacrylamide from the resulting solution.

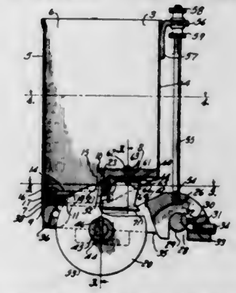
2,140,470

ADHESIVE APPLICATOR

Dietrich Daneke, Topeka, Kans., assignor to Fred M. Brackett, Topeka, Kans.

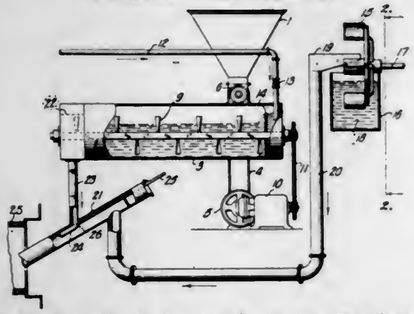
Application March 2, 1936, Serial No. 66,536

7 Claims. (Cl. 91—12)



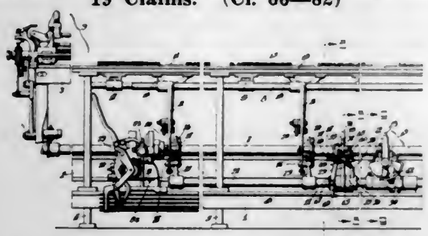
3. In an applicator of the character described, a receptacle provided with a bottom having substantially horizontally disposed stepped portions connected by a vertical wall, said wall and the lowermost portion being provided with connected slots, an applicator disk, and means rotatably mounting the disk for extension of a portion of the disk through said slots and within the receptacle to withdraw material contained in the receptacle.

2,140,471
PROCESS AND APPARATUS FOR MANUFACTURING CEMENT
Andrew K. Frolich and Andrew Lundteigen, Jr., Louisville, Nebr., assignors to Ash Grove Lime & Portland Cement Co., Kansas City, Mo., a corporation of Maine
Application August 14, 1937, Serial No. 159,186
6 Claims. (Cl. 263—53)



1. In a method of manufacturing Portland cement by the wet process in which a slurry of freshly-ground raw materials is prepared and fed into a kiln, the steps of collection of raw materials in the form of flue dust from the flue gases of the kiln, forming a slurry with said flue dust and introducing said flue-dust slurry into said kiln simultaneously with said fresh slurry without substantial admixture therewith.

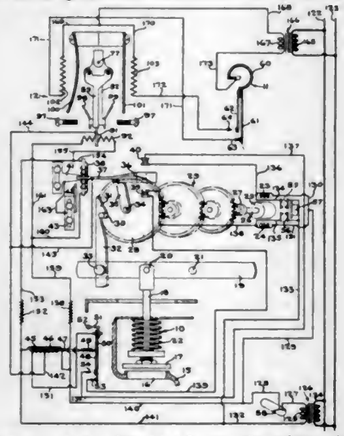
2,140,472
LOOP LENGTH CONTROL MECHANISM
Gustav Gastrich, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application August 14, 1936, Serial No. 95,964
19 Claims. (Cl. 66—82)



1. In a straight knitting machine, loop forming mechanism, means for selectively regulating the lengths of normal and loose loops formed by said loop forming mechanism, said means comprising a device for selectively determining different lengths of normal loops, and a unit for selectively determining different lengths of loose loops and imparting movement to an element of said loop forming mechanism.

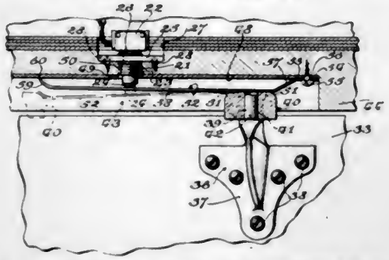
2,140,473
CONTROL SYSTEM
Arthur C. Grant, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn.. a corporation of Delaware
Application July 22, 1935, Serial No. 32,568
9 Claims. (Cl. 236—9)

1. In a system of the class described, in combination, a condition changing device for changing the value of a first condition which in turn changes the value of a second condition, mechanism responsive to changes in the value of the first condition irrespective of the actual value for controlling said condition changing device, and means responsive to the actual value of the second condition for affecting said mechanism to permit and prevent control of said condition



changing means by said mechanism including switching means having two making positions and one breaking position, one of the making positions and the breaking position preventing and the other making position permitting control by said mechanism.

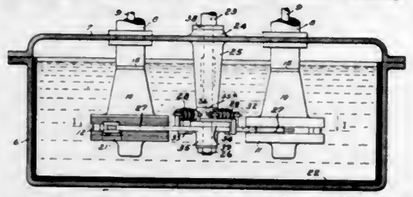
2,140,474
TELEPHONE BOOTH
Willard A. Gullicksen, Chicago, Ill., assignor to Churchill Cabinet Company, Chicago, Ill., a corporation of Illinois
Application September 16, 1938, Serial No. 230,197
7 Claims. (Cl. 200—54)



1. In a telephone booth, the combination of a booth having side walls and ceiling, with a door comprising a pair of sections pivoted together, one of the sections being pivoted to the wall of the booth, a guide member carried by the other of said sections, and having a part extending into a channelled guiding member, said channelled guiding member extending transversely and backwardly from the closed position of the door, and switch means located in said channelled member and adapted to be actuated by said part when the door has reached substantially closed position.

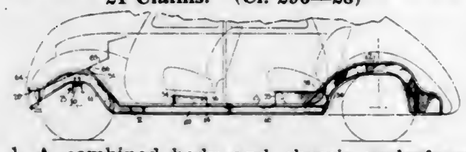
2,140,475
CIRCUIT BREAKER
John D. Hilliard, Glens Falls, N. Y.
Application January 27, 1937, Serial No. 122,498
7 Claims. (Cl. 200—150)

7. In combination, a casing containing arc extinguishing fluid, a current conducting stud extending through said casing in insulating relation thereto, a pressure chamber built up of rings of insulating material spaced apart to form a throat opening and said rings held under compression by said stud, a stationary contact member in said chamber, a movable cooperating con-



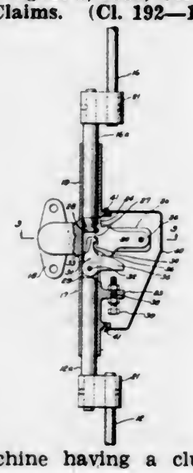
tact member, means for supporting said chamber and contact in electrical connection with said current conducting stud, means for separating said contact members to interrupt the electrical circuit.

2,140,476
COMBINED BODY AND CHASSIS UNDERFRAME
Joseph Ledwinka, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 8, 1935, Serial No. 35,928
21 Claims. (Cl. 296—28)



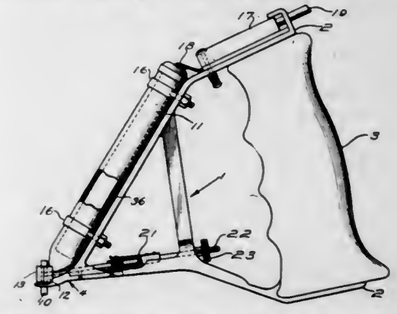
1. A combined body and chassis underframe comprising side sills arranged in the region between the wheel axles substantially at the level of said axles, said sills comprising inner straight portions and outer substantially curved portions conforming to the contour of the lower side edges of the body and a flooring sheet extending from side to side over said sills and secured thereto, cross braces connecting the sills and including a seat riser seated on top of said flooring sheet and sills and secured thereto.

2,140,477
SAFETY FIXTURE
Frank J. Minkel, Buffalo, N. Y., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y.
Application August 2, 1935, Serial No. 34,403
3 Claims. (Cl. 192—129)



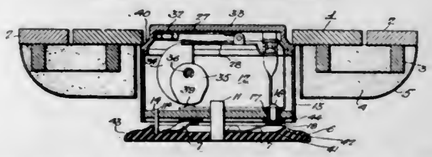
1. In a machine having a clutch operating mechanism and a clutch pedal, a safety mechanism comprising a fixed body having a bearing portion, a rod slidably mounted in the bearing portion and formed with a tooth at one extremity, said rod being connected to the clutch operating mechanism, a segment gear mounted on the body and meshing with said tooth, a second rod mounted in the bearing portion and connected to the clutch pedal, a latch connection between the second rod and the segment gear, and fixed means on the body for disengaging the latch connection upon predetermined movement of the second rod.

2,140,478
TIRE GROOVING TOOL
William Mossback, Seattle, Wash.
Application June 1, 1937, Serial No. 145,851
1 Claim. (Cl. 30—140)



A tire grooving tool comprising a substantially triangular shaped frame including extensions, a hand grip connecting said extensions with the apex of the frame positioned forwardly thereof, a heating tool mounted on one side of the frame and extending to the apex of said frame, a guard plate secured on the frame and extending forwardly of the apex of the frame and having slots, a face plate engageable with said guard and heating element and having slots aligning with the slots of the guard plate, a clamping block engaging the face plate and having slots aligning with the slots of the face plate and the guard plate, a substantially U-shaped cutting element arranged in the slots of the face plate, guard plate and the clamping block, a rod formed on the clamping block and extending through the face plate and the frame, and an adjusting means carried by the frame and detachably secured to said rod for the adjustment of the clamping block relative to the clamping plate.

2,140,479
ELECTRICALLY OPERATED COOKING APPARATUS
Joseph W. Myers and Stephen J. Roesch, Philadelphia, Pa., assignors to said Joseph W. Myers
Application December 13, 1935, Serial No. 54,341
13 Claims. (Cl. 219—37)



11. In an electrically operated cooking apparatus, an electrical heating unit, an electrical circuit for energizing said unit, an adjustable

thermostatic control device constructed and arranged to receive heat principally by thermal conduction from a cooking vessel placed on said heating unit but also effectively by radiation and convection from a heated part of the apparatus, said control device comprising a thermostatic switch in circuit with said heating unit, and manually operable means for adjusting said control device for operation over a relatively wide temperature range including a substantial range of simmering and boiling operation, whereby said control device is adapted, by its receiving heat as aforesaid and by its adjustment, to effect and control varying degrees of ebullition of the contents of said vessel.

2,140,480

3-KETO-D-PENTONIC ACID LACTONE AND PROCESS FOR THE MANUFACTURE OF SAME

Tadeus Reichstein, Zurich, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application April 10, 1937, Serial No. 136,229. In Switzerland March 12, 1937

9 Claims. (Cl. 260—344)

1. Process for producing 3-keto-d-pentonic acid lactone, which comprises treating a substance selected from the group consisting of carboxylic acid esters, carboxylic acid salts, methylene ethers, methylene ether carboxylic acid salts, and methylene ether carboxylic acid esters of d-xylosonic acid, which is capable of being hydrolyzed in an acid medium with an acid.

2,140,481

INSECTICIDE

William Gordon Rose, College Park, Md., and Herbert L. J. Haller, Washington, D. C.; dedicated to the free use of the People in the territory of the United States of America

No Drawing. Application January 28, 1938, Serial No. 187,570

2 Claims. (Cl. 167—22)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An insecticide, containing as its essential active ingredient, a pentaerythritol derivative in which the hydroxyl groups are replaced by halogen atoms of the group consisting of chlorine, bromine and iodine.

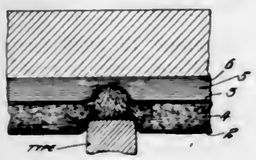
2,140,482

ART OF DUPLICATING

August E. Schutte, Northboro, Mass., assignor to A. B. Dick Company, Chicago, Ill., a corporation of Illinois

Application February 19, 1935, Serial No. 7,156

4 Claims. (Cl. 41—38.6)



1. A printing member, comprising a generally ink-impervious, homogeneous, fibrous sheet containing valvular, ink-conductive, local areas which permit the passage of ink through them in one direction more freely than in the other direction.

2,140,483

STENCIL

August E. Schutte, Northboro, Mass., assignor to A. B. Dick Company, Chicago, Ill., a corporation of Illinois

Application December 13, 1935, Serial No. 54,242

3 Claims. (Cl. 101—127)



2. A stencil, comprising a generally ink-impervious, homogeneous, semi-plastic, flexible, non-fibrous, cellulosic sheet containing local areas indented to form offset portions having a plurality of minute perforations through which ink may pass.

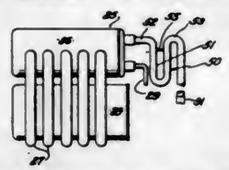
2,140,484

SEPARATOR COIL

Lawrence C. Smith, Kenmore, N. Y., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y.

Application July 8, 1936, Serial No. 89,528

7 Claims. (Cl. 62—126)



7. In a refrigeration system including a compressor, a condenser connected to the discharge side of the compressor, and a refrigerant evaporator formed with an inlet connected with the condenser and a discharge end connected with the suction side of the compressor, the provision of a separator device interposed in series connection with the discharge end of the evaporator and the suction line of the compressor, said device comprising a loop tube loop having a discharge end portion elevated above the body of said tube, whereby liquid entering therein will be temporarily retained in said tube until withdrawn by a pressure differential established between the evaporator and the compressor, and a restrictor tube of small diameter compared to the diameter of said tube connecting the inlet and discharge ends of said tube.

2,140,485

METHOD OF REFINING MINERAL OILS

Ernest Terres, New York, Erich Saegebarth, Long Island City, N. Y., and Joseph Moos, Berlin-Mariendorf, and Hans Ramser, Berlin-Steglitz, Germany, assignors, by mesne assignments, to Edeleanu Gesellschaft, m. b. H., Berlin, Germany, a corporation of Germany

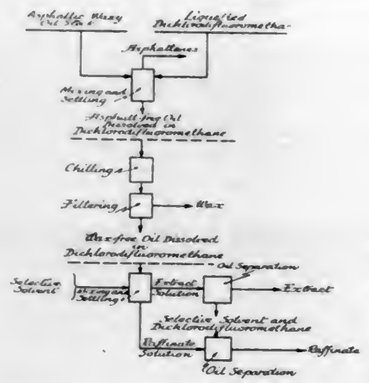
Application May 22, 1935, Serial No. 22,914

8 Claims. (Cl. 196—13)

2. The method of refining an asphaltic waxy mineral oil comprising dissolving the oil in dichlorodifluoromethane, removing the undissolved asphalt at a temperature at which the other components of the oil remain dissolved, chilling the mixture to a low temperature at which the wax separates out, removing the separated wax, and extracting the solution with a selective solvent in which the dichlorodifluoromethane is not wholly miscible at a temperature below the critical

point of the original solution of oil in dichlorodifluoromethane, to produce an extract phase and a raffinate phase, and separating the two phases.

4. A method of treating an asphalt-free mineral oil comprising dissolving the oil in dichlorodi-



fluoromethane and heating the solution to a temperature above the critical point thereof and below 232.6° F. to produce two liquid phases, and separating the phases to obtain a relative lighter oil fraction and a relatively heavier oil fraction.

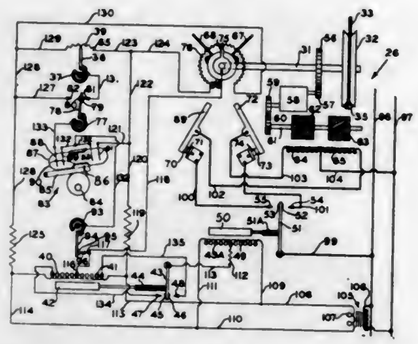
2,140,486

REMOTE CONTROL FOR FLUID FLOW CONTROL SYSTEMS

John Turner, Boston, Mass., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application August 10, 1933, Serial No. 684,531

14 Claims. (Cl. 236—91)



4. In combination, a space to be heated, valve means for controlling the flow of fluid by which the temperature of said space may be increased, thermostatic means responsive to a temperature other than that of the space to be heated and associated with said valve means for normally proportioning the flow of fluid through said valve means in accordance with variations in the temperature to which said thermostatic means responds, means responsive to the temperature of the space to be heated for operating said valve means to supply a maximum flow of fluid if the space temperature falls to a predetermined low value, and timing means for operating the valve means to supply a minimum flow of fluid during a predetermined portion of the night.

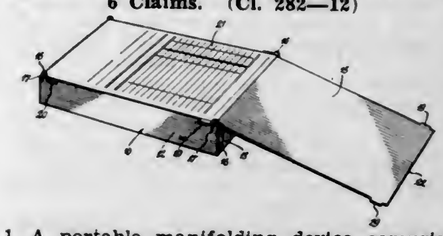
2,140,487

AUTOGRAPHIC REGISTER

Harry J. Waechter, Mount Healthy, Ohio, assignor to Paul Benninghofen and Fritz G. Diesbach, trustees, Hamilton, Ohio

Application October 13, 1937, Serial No. 168,782

6 Claims. (Cl. 282—12)



1. A portable manifolding device comprising a compartment adapted to receive a strip of printed forms, platens adapted to be disposed in superimposed relationship across the open side of the compartment, and said compartment including hinge portions at each corner provided with vertical slots, said platens respectively including hinge pivots at opposite ends engaging in the slots, said platens adapted to be swung clear of each other and interchangeable as to superimposition.

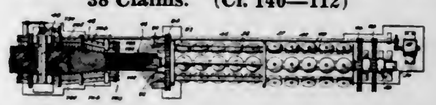
2,140,488

APPARATUS FOR MAKING WIRE MESH

Herbert E. White, San Francisco, Calif., assignor to E. H. Edwards Company, a corporation of California

Application April 20, 1936, Serial No. 75,488

38 Claims. (Cl. 140—112)



1. In apparatus for making open mesh fabric, mechanism for forming a plurality of layers, of reticulated material, the said mechanism for forming each layer comprising devices for laying sets of strands, the strands of one set crossing those of the other and each layer being composed of the same sets of strands that form another layer, means for causing the said layers to lie one upon the other with the strands in crossed relation to and between the strands of the other layer, and means for securing the strands of one layer to the strands of the other layer at their crossing points.

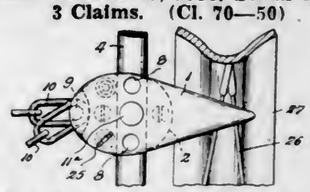
2,140,489

LOCK DEVICE

Solomon Wise, Shaker Heights, Ohio

Application October 29, 1936, Serial No. 108,256

3 Claims. (Cl. 70—50)

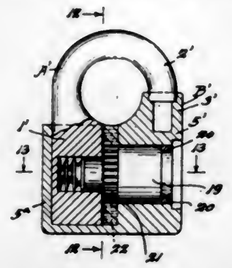


1. In a lock device, in combination, a base, a locking member rotatively connected to the base, the base being equipped with an engaging lug for locking an anchoring member to the base, the locking member at one end being adapted to cooperate with said engaging lug to cover same,

under which conditions the locking member has a locking effect over said engaging lug, the locking member at the other end projecting from the base to provide a locking extension, and lock mechanism intermediate the locking member and base for holding the locking member in a position in which its locking extension at one end, and its opposite end, perform their locking functions, the said locking member being shiftable rotatively on the base to assume an unlocking position.

2,140,490
PADLOCK
Solomon Wise, Shaker Heights, Ohio
Application June 11, 1937, Serial No. 147,747
6 Claims. (Cl. 70—33)

1. In a lock, in combination, coacting locking parts mounted for relative movement in connection with each other, locking mechanism for locking said parts together and releasing them, and key means for said locking mechanism, with

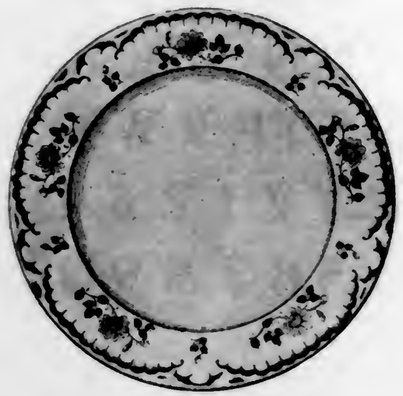


gear means operable by the key means for actuating one of the lock members to effect movement thereof relative to the other lock member.

DESIGNS

DECEMBER 13, 1938

112,509
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Harry Barkby, New Castle, Pa., assignor to Shenango Pottery Company, New Castle, Pa., a corporation of Pennsylvania
Application October 3, 1938, Serial No. 80,220
Term of patent 14 years



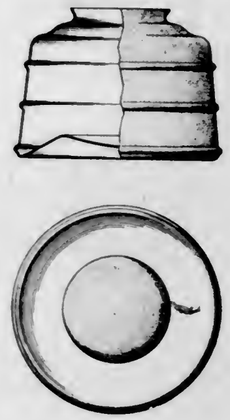
The ornamental design for a plate or similar article, substantially as shown.

112,510
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Harry Barkby, New Castle, Pa., assignor to Shenango Pottery Company, New Castle, Pa., a corporation of Pennsylvania
Application October 3, 1938, Serial No. 80,221
Term of patent 14 years



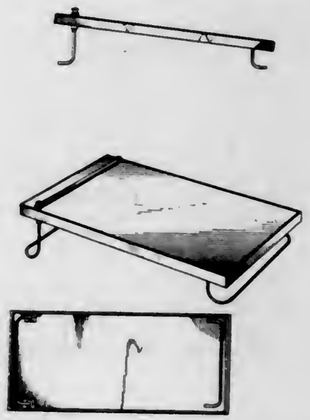
The ornamental design for a plate or similar article, substantially as shown.

112,511
DESIGN FOR A GLOBE FOR LIGHTING FIXTURE
Stanley H. Barnes, New Rochelle, N. Y., assignor to Gleason-Tiebout Glass Company, Maspeth, N. Y., a corporation of New York
Application December 3, 1937, Serial No. 73,334
Term of patent 3½ years



The ornamental design for a globe for lighting fixture, substantially as shown and described.

112,512
DESIGN FOR A DISPLAY PLATFORM FOR RUGS OR THE LIKE
Leon H. Best, Galva, Ill., assignor to John H. Best & Sons, Inc., Galva, Ill., a corporation of Illinois
Application November 24, 1937, Serial No. 73,173
Term of patent 7 years



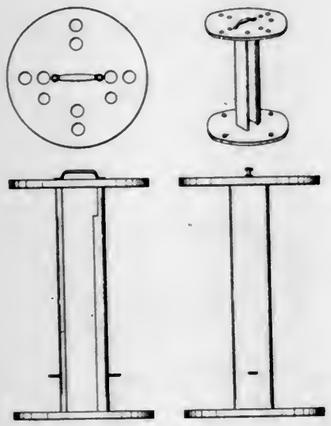
The ornamental design for a display platform for rugs or the like, as shown and described.

112,513
DESIGN FOR A METAL CAP FOR BOTTLES
Leslie R. N. Carvalho, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application October 6, 1938, Serial No. 80,294
Term of patent 14 years



The ornamental design for a metal cap for bottles, substantially as shown.

112,514
DESIGN FOR A CROQUET RACK
Frank S. Chrisman, South Bend, Ind., assignor to South Bend Toy Mfg. Co., South Bend, Ind.
Application October 23, 1937, Serial No. 72,388
Term of patent 3½ years



The ornamental design for a croquet rack, substantially as shown.

112,515
DESIGN FOR A FONT OF TYPE
Ashton B. Collins, Birmingham, Ala.
Application March 1, 1938, Serial No. 75,498
Term of patent 14 years



The ornamental design for a font of type, as shown.

112,516
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Andrew J. Cunningham, Snyder, N. Y.
Application April 28, 1938, Serial No. 76,797
Term of patent 7 years



The ornamental design for a goblet or similar article, as shown and described.

112,517
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Andrew J. Cunningham, Snyder, N. Y.
Application April 28, 1938, Serial No. 76,802
Term of patent 7 years



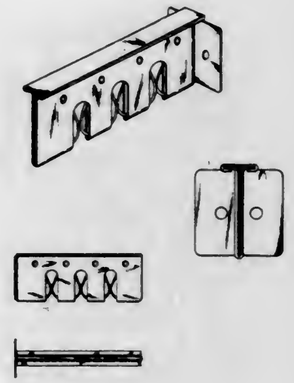
The ornamental design for a goblet or similar article, as shown and described.

112,518
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Andrew J. Cunningham, Snyder, N. Y.
Application April 28, 1938, Serial No. 76,809
Term of patent 7 years



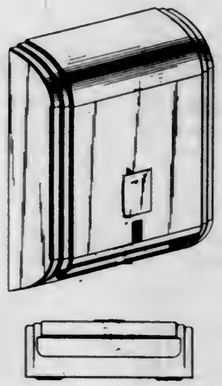
The ornamental design for a goblet or similar article, as shown and described.

112,519
DESIGN FOR A HOLDER FOR TOWELS AND SIMILAR ARTICLES
William O. Dailey, Portland, Oreg.
Application May 13, 1938, Serial No. 77,158
Term of patent 3½ years



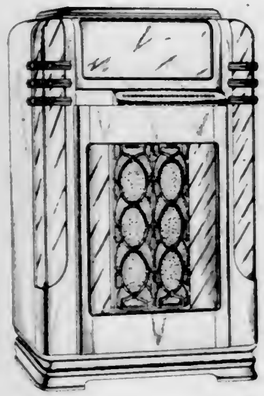
The ornamental design for a holder for towels and similar articles, as shown.

112,520
DESIGN FOR A TOWEL DISPENSING CABINET
Burton E. Ebert, Lansdowne, Pa., assignor to Scott Paper Company, Chester, Pa., a corporation of Pennsylvania
Application October 5, 1938, Serial No. 80,278
Term of patent 14 years



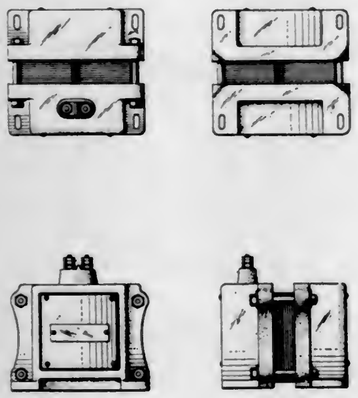
The ornamental design for a towel dispensing cabinet, substantially as shown.

112,521
DESIGN FOR A PHONOGRAPH CABINET
Paul M. Fuller, Chicago, Ill., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio
Application August 24, 1938, Serial No. 79,548
Term of patent 7 years



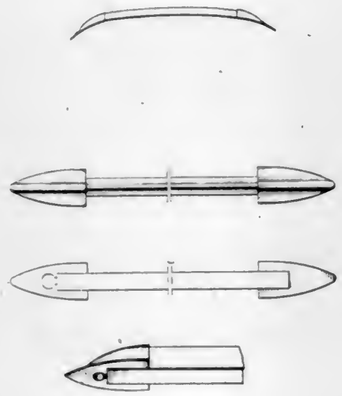
The ornamental design for a phonograph cabinet, substantially as shown and described.

112,522
DESIGN FOR AN ELECTRICAL REACTOR
Walter J. Garlick, Jr., Glen Ridge, N. J., assignor to American Transformer Company, Newark, N. J.
Application August 13, 1938, Serial No. 79,324
Term of patent 7 years



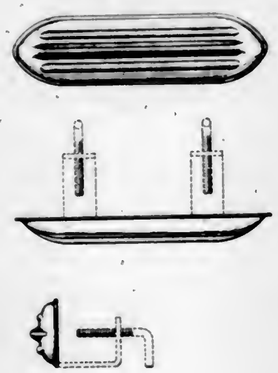
The ornamental design for an electrical reactor, as shown.

112,523
DESIGN FOR AN AUTOMOBILE TOP RADIO ANTENNA
Paul Guggenheim, Philadelphia, Pa., assignor to Philadelphia Metal Drying Form Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 19, 1938, Serial No. 74,405
Term of patent 14 years



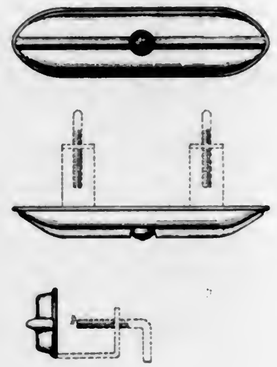
The ornamental design for an automobile top radio antenna, substantially as shown and described.

112,524
DESIGN FOR A GUARD FOR AUTOMOBILE FENDERS
Stanley J. Gurns, Chicago, Ill., assignor to The Norlipp Company, Chicago, Ill., a corporation of Illinois
Application September 2, 1938, Serial No. 79,706
Term of patent 7 years



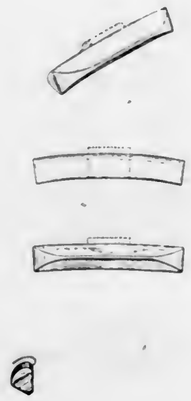
The ornamental design for a guard for automobile fenders, as shown and described.

112,525
DESIGN FOR A GUARD FOR AUTOMOBILE FENDERS
Stanley J. Gurns, Chicago, Ill., assignor to The Norlipp Company, Chicago, Ill., a corporation of Illinois
Application September 2, 1938, Serial No. 79,707
Term of patent 7 years



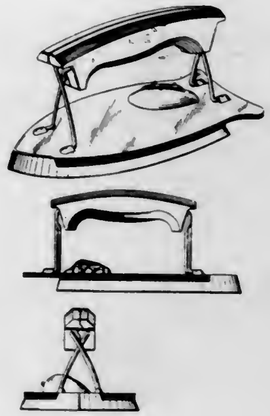
The ornamental design for a guard for automobile fenders, as shown and described.

112,526
DESIGN FOR A WHEEL BALANCING WEIGHT
Paul F. Hatch, Ypsilanti, and Malcolm J. Hume, Ann Arbor, Mich., assignors to Harley C. Loney Company, Detroit, Mich., a corporation of Michigan
Application June 22, 1938, Serial No. 77,984
Term of patent 7 years



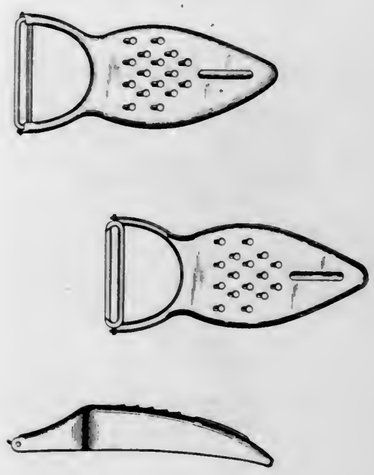
The ornamental design for a wheel balancing weight, as shown and described.

112,527
DESIGN FOR A SADIRON
Russell I. Huffman, Dover, Ohio, assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application September 28, 1938, Serial No. 80,118
Term of patent 7 years



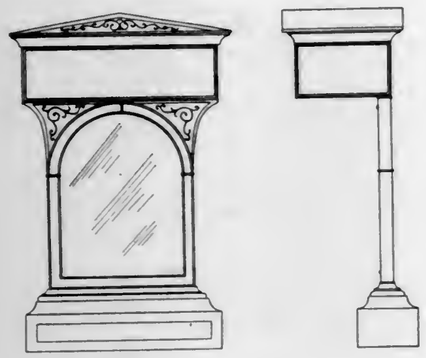
The ornamental design for a sadiron, substantially as shown.

112,528
DESIGN FOR A COMBINED VEGETABLE PEELER, SLICER, AND SHREDDER
Albert H. Johnson, Detroit, Mich.
Application September 23, 1938, Serial No. 80,057
Term of patent 7 years



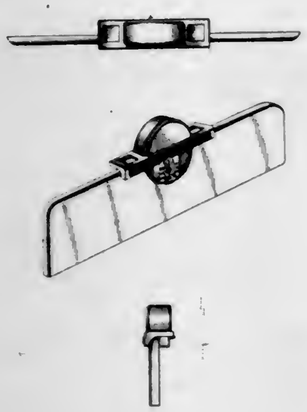
The ornamental design for a combined vegetable peeler, slicer, and shredder, as shown.

112,529
DESIGN FOR A COMBINATION SIGNBOARD AND DANGER REFLECTOR
Green Lee Joyce and Ernest L. Oakley, Bassett, Va.
Application October 4, 1938, Serial No. 80,245
Term of patent 14 years



The ornamental design for a combination signboard and danger reflector, substantially as shown.

112,530
DESIGN FOR A COMBINED BACK GUARD PANEL AND SUPPORT FOR TIMER, LAMP, AND CONDIMENT SET FOR STOVES
Ralph E. Kruck, Springfield, Mass., assignor to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts
Application February 7, 1938, Serial No. 74,926
Term of patent 3½ years



The ornamental design for a combined back guard panel and support for timer, lamp, and condiment set, for stoves, as shown and described.

112,531
DESIGN FOR AN EGG BEATER
John M. Little, Toledo, Ohio
Application September 3, 1938, Serial No. 79,742
Term of patent 7 years



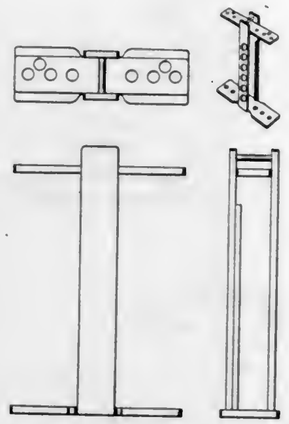
The ornamental design for an egg beater as shown and described.

112,532
DESIGN FOR A GLASS BOTTLE
John H. Meier, Jr., Pittsburgh, Pa., assignor to J. T. & A. Hamilton Company, a corporation of Pennsylvania
Application June 3, 1938, Serial No. 77,547
Term of patent 14 years



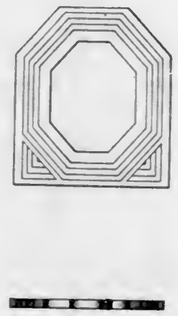
The ornamental design for a glass bottle, substantially as shown and described.

112,533
DESIGN FOR A CROQUET RACK
Robert W. Muessel, South Bend, Ind., assignor to South Bend Toy Mfg. Co., South Bend, Ind.
Application October 23, 1937, Serial No. 72,387
Term of patent 3½ years



The ornamental design for a croquet rack, substantially as shown.

112,534
DESIGN FOR A PICTURE FRAME
Edward Olszewski, Detroit, Mich.
Application November 15, 1937, Serial No. 72,869
Term of patent 14 years



The ornamental design for a picture frame, as shown.

112,535
DESIGN FOR A SIPHON BOTTLE OR SIMILAR ARTICLE
Worthen Paxton, New York, N. Y., assignor to Walter Kidde Sales Company, Bloomfield, N. J., a corporation of Delaware
Application May 18, 1938, Serial No. 77,263
Term of patent 14 years



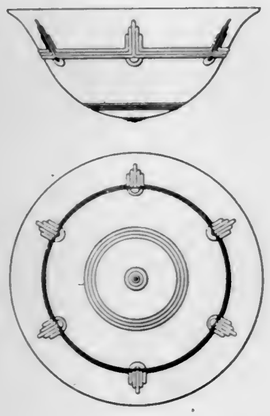
The ornamental design for a siphon bottle or similar article, substantially as shown.

112,536
DESIGN FOR A DISPLAY STAND
Edward E. Peterson, Marblehead, Mass., assignor to The Forbes Lithograph Manufacturing Company, Boston, Mass., a corporation of Massachusetts
Application July 12, 1938, Serial No. 78,417
Term of patent 7 years



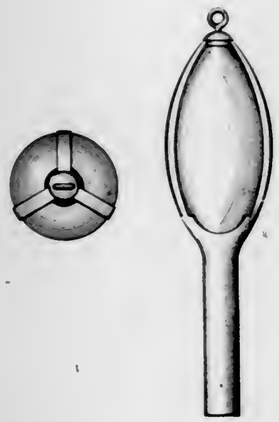
The ornamental design for a display stand, substantially as shown.

112,537
DESIGN FOR A DIFFUSER FOR ELECTRIC LIGHTING FIXTURES
Duane L. Ripley, Buffalo, N. Y., assignor to Markel Electric Products, Inc., Buffalo, N. Y., a corporation of New York
Application April 11, 1938, Serial No. 76,431
Term of patent 14 years



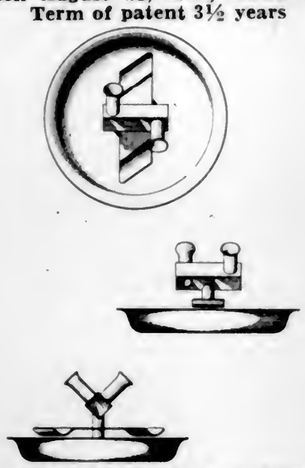
The ornamental design for a diffuser for electric lighting fixtures, substantially as shown.

112,538
DESIGN FOR A FIRE EXTINGUISHING GRENADE
William L. Roessner, Denver, Colo.
Application October 17, 1938, Serial No. 80,486
Term of patent 14 years



The ornamental design for a fire extinguishing grenade, substantially as shown.

112,539
DESIGN FOR A COMBINED CIGARETTE SNUFFER AND TRAY
Paul Schildknecht, Los Angeles, Calif.
Application August 23, 1938, Serial No. 79,515
Term of patent 3½ years



The ornamental design for a combined cigarette snuffer and tray, as shown.

112,540
DESIGN FOR A BOTTLE
Frasier Smith, Wheeling, W. Va., assignor to Pennsylvania Glass Products Co., Pittsburgh, Pa., a corporation of Pennsylvania
Application October 19, 1938, Serial No. 80,559
Term of patent 14 years



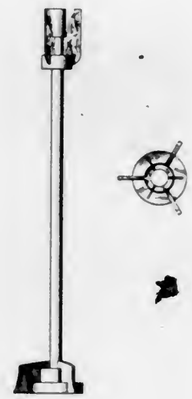
The ornamental design for a bottle, as shown.

112,541
DESIGN FOR A REFLECTOR
Leslie S. Webster, New York, N. Y.
Application July 15, 1938, Serial No. 78,496
Term of patent 7 years



The ornamental design for a reflector, as shown and described.

112,542
DESIGN FOR A LAMP BASE
Ruth Louise Whyte, Chicago, Ill., assignor to Electrical Testing Laboratories, New York, N. Y., a corporation of New York
Application August 11, 1938, Serial No. 79,253
Term of patent 3½ years



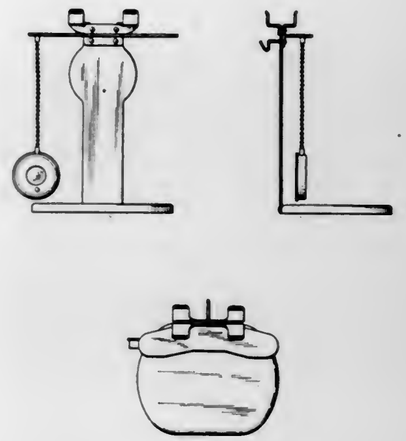
The ornamental design for a lamp base, as shown.

112,543
DESIGN FOR A LAMP BASE
Ruth Louise Whyte, Chicago, Ill., assignor to Electrical Testing Laboratories, New York, N. Y., a corporation of New York
Application August 11, 1938, Serial No. 79,254
Term of patent 3½ years



The ornamental design for a lamp base, as shown.

112,544
DESIGN FOR A TELEPHONE STAND
Ray M. Wiley, Springfield, Mass.
Application September 26, 1938, Serial No. 80,104
Term of patent 3½ years



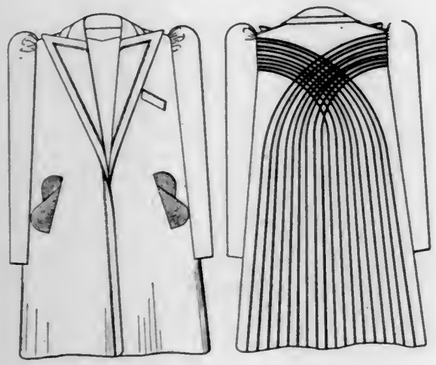
The ornamental design for a telephone stand as shown.

112,545
DESIGN FOR A PERFUME BOTTLE OR SIMILAR CONTAINER
James L. Younghusband, Chicago, Ill.
Application November 9, 1937, Serial No. 72,724
Term of patent 14 years



The ornamental design for a perfume bottle or similar container, substantially as shown and described.

112,546
DESIGN FOR A COAT
Samuel Babus, Brooklyn, N. Y.
Application November 18, 1938, Serial No. 81,224
Term of patent 3½ years



The ornamental design for a coat, as shown.

112,547
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Andrew J. Cunningham, Snyder, N. Y.
Application April 28, 1938, Serial No. 76,799
Term of patent 7 years



The ornamental design for a goblet or similar article, as shown and described.

112,548
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Andrew J. Cunningham, Snyder, N. Y.
Application April 28, 1938, Serial No. 76,801
Term of patent 7 years



The ornamental design for a goblet or similar article, as shown and described.

112,549
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Andrew J. Cunningham, Snyder, N. Y.
Application April 28, 1938, Serial No. 76,811
Term of patent 7 years



The ornamental design for a goblet or similar article, as shown and described.

112,550
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Andrew J. Cunningham, Snyder, N. Y.
Application April 28, 1938, Serial No. 76,819
Term of patent 7 years



The ornamental design for a goblet or similar article, as shown and described.

112,551
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Andrew J. Cunningham, Snyder, N. Y.
Application April 28, 1938, Serial No. 76,830
Term of patent 7 years



The ornamental design for a goblet or similar article, as shown and described.

112,552
DESIGN FOR A DRESS
Alice Engel, New York, N. Y.
Application November 12, 1938, Serial No. 81,038
Term of patent 3½ years



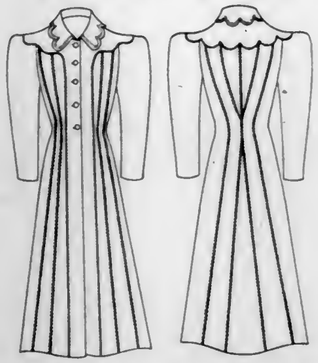
The ornamental design for a dress, substantially as shown.

112,553
DESIGN FOR A BLOUSE
Lizzie Hafler, Los Angeles, Calif., assignor to Sidney S. Rice, Jr., and Arthur S. Klein, co-partners doing business as Tailor Maid Blouses, Los Angeles, Calif.
Application October 24, 1938, Serial No. 80,642
Term of patent 3½ years



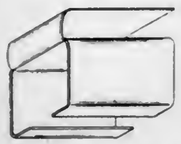
The ornamental design for a blouse, as shown.

112,554
DESIGN FOR A COAT
Samuel C. Klein, St. Louis, Mo.
Application October 31, 1938, Serial No. 80,779
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

112,555
DESIGN FOR A HANGER FOR TOILET ARTICLES
Stanley Lowen, New York, N. Y.
Application February 17, 1938, Serial No. 75,213
Term of patent 14 years



The ornamental design for a hanger for toilet articles, substantially as shown.

112,556
DESIGN FOR AN ELASTIC TEXTILE FABRIC
Irving Weisberger, New York, N. Y.
Application September 10, 1938, Serial No. 79,824
Term of patent 3½ years



The ornamental design for an elastic textile fabric, substantially as shown.

112,557
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Andrew J. Cunningham, Snyder, N. Y.
Application April 28, 1938, Serial No. 76,798
Term of patent 7 years



The ornamental design for a goblet or similar article, as shown and described.

112,558
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Andrew J. Cunningham, Snyder, N. Y.
Application April 28, 1938, Serial No. 76,806
Term of patent 7 years



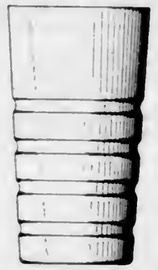
The ornamental design for a goblet or similar article, as shown and described.

112,559
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Andrew J. Cunningham, Snyder, N. Y.
Application April 28, 1938, Serial No. 76,808
Term of patent 7 years



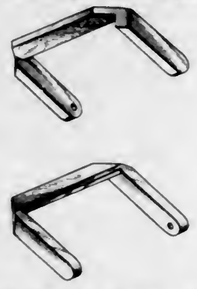
The ornamental design for a goblet or similar article, as shown and described.

112,560
DESIGN FOR A TUMBLER OR SIMILAR ARTICLE
Andrew J. Cunningham, Snyder, N. Y.
Application September 24, 1938, Serial No. 80,079
Term of patent 7 years



The ornamental design for a tumbler or similar article, as shown and described.

112,561
DESIGN FOR A WRIST WATCH STRAP BUCKLE
Charles B. Greenberg, New York, N. Y.
Application October 22, 1937, Serial No. 72,362
Term of patent 14 years



The ornamental design for a wrist watch strap buckle as shown and described.

112,562
DESIGN FOR A RIBBON
John D. Huizing, New York, N. Y.
Application November 15, 1938, Serial No. 81,115
Term of patent 3½ years



The ornamental design for a ribbon, substantially as shown.

112,563
DESIGN FOR A RING OR THE LIKE
Frank Milhening, Evanston, Ill., assignor to J. Milhening, Inc., Chicago, Ill., a corporation of Illinois
Application October 26, 1938, Serial No. 80,688
Term of patent 7 years



The ornamental design for a ring or the like, substantially as shown.

112,564
DESIGN FOR A SHIRT
Charles Podsen, Brooklyn, N. Y.
Application February 3, 1938, Serial No. 74,829
Term of patent 3½ years



The ornamental design for a shirt, as shown and described.

112,565
DESIGN FOR A ROBE
Madeleine Restell, New York, N. Y.
Application August 30, 1938, Serial No. 79,634
Term of patent 3½ years



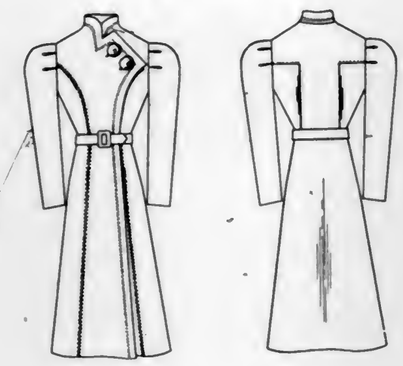
The ornamental design for a robe, substantially as shown and described.

112,566
DESIGN FOR A TABLE SCARF OR SIMILAR ARTICLE
William Emil Rutsch, Teaneck, and Otto Schulze, North Bergen, N. J., assignors to The American Fabrics Company, Bridgeport, Conn., a corporation of Connecticut
Application July 6, 1938, Serial No. 78,291
Term of patent 3½ years



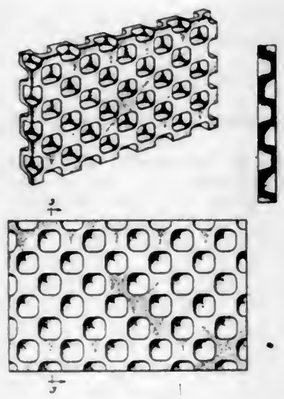
The ornamental design for a table scarf or similar article, substantially as shown and described.

112,567
DESIGN FOR A COAT
Jacob A. Silverman, New York, N. Y.
Application September 15, 1938, Serial No. 79,910
Term of patent 3½ years



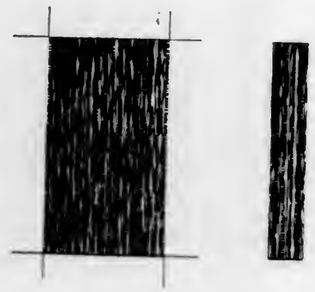
The ornamental design for a coat, substantially as shown and described.

112,568
DESIGN FOR INSULATING BUILDING MATERIAL
Max Skolnik, Chicago, Ill.
Application August 6, 1938, Serial No. 79,150
Term of patent 14 years



The ornamental design for insulating building material, substantially as shown.

112,569
DESIGN FOR A PLASTIC SHEET OR SIMILAR ARTICLE
Robert T. Billings, Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 10, 1938, Serial No. 75,725
Term of patent 14 years



The ornamental design for a plastic sheet or similar article, substantially as shown and described.

112,570
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Andrew J. Cunningham, Snyder, N. Y.
Application April 28, 1938, Serial No. 76,803
Term of patent 7 years



The ornamental design for a goblet or similar article, as shown and described.

112,571
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Andrew J. Cunningham, Snyder, N. Y.
Application April 28, 1938, Serial No. 76,804
Term of patent 7 years



The ornamental design for a goblet or similar article, as shown and described.

112,572
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Andrew J. Cunningham, Snyder, N. Y.
Application April 28, 1938, Serial No. 76,805
Term of patent 7 years



The ornamental design for a goblet or similar article, as shown and described.

112,573
DESIGN FOR KNITTED FABRIC
Alexander Grodnick, Weehawken, N. J.
Application January 15, 1938, Serial No. 74,319
Term of patent 3½ years



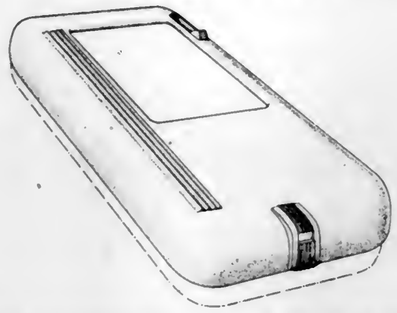
The ornamental design for knitted fabric, substantially as shown and described.

112,574
DESIGN FOR KNITTED FABRIC
Alexander Grodnick, Weehawken, N. J.
Application January 15, 1938, Serial No. 74,320
Term of patent 3½ years



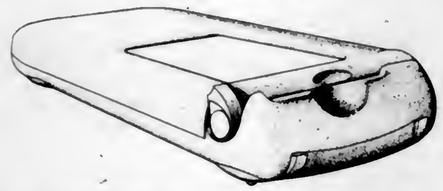
The ornamental design for knitted fabric, substantially as shown and described.

112,575
DESIGN FOR A CASING FOR AN AUTOGRAPHIC REGISTER
Russell Katz, Hamilton, Ohio, assignor to Paul Benninghofen and Fritz G. Diesbach, Hamilton, Ohio, as trustees.
Application August 16, 1938, Serial No. 79,364
Term of patent 7 years



The ornamental design for a casing for an autographic register, as shown and described.

112,576
DESIGN FOR A CASING FOR AN AUTOGRAPHIC REGISTER
Russell Katz, Hamilton, Ohio, assignor to Paul Benninghofen and Fritz G. Diesbach, Hamilton, Ohio, as trustees
Application August 16, 1938, Serial No. 79,365
Term of patent 14 years



The ornamental design for a casing for an autographic register, as shown.

112,577
DESIGN FOR A DRESS
Ben Machanoff, New York, N. Y.
Application October 21, 1938, Serial No. 80,598
Term of patent 3½ years



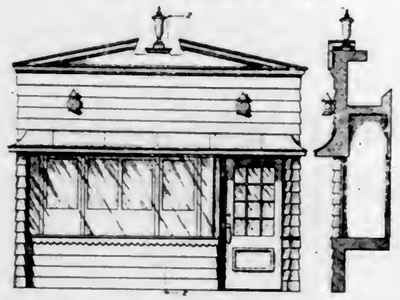
The ornamental design for a dress, substantially as shown and described.

112,578
DESIGN FOR A CHRISTMAS TREE ORNAMENT OR THE LIKE
Mary Love McGuckin, Columbus, Ohio
Application September 2, 1938, Serial No. 79,728
Term of patent 14 years



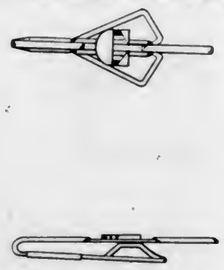
The ornamental design for a Christmas tree ornament or the like, substantially as shown.

112,579
DESIGN FOR A STORE FRONT
David G. Ross, Los Angeles, Calif., assignor to Welch's Candy, Limited, Los Angeles, Calif., a corporation of California
Application May 16, 1938, Serial No. 77,216
Term of patent 14 years



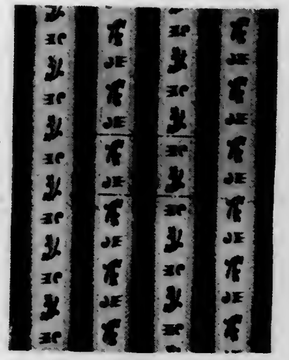
The ornamental design for a store front, as shown.

112,580
DESIGN FOR A NECKTIE FASTENER OR SIMILAR ARTICLE
Charles Silverman, Providence, R. I.
Application August 24, 1938, Serial No. 79,547
Term of patent 3½ years



The ornamental design for a necktie fastener or similar article, as shown.

112,581
DESIGN FOR A TEXTILE FABRIC
Harry Weixel, Brooklyn, N. Y., assignor to Atlas & Bluhm Inc., New York, N. Y., a corporation of New York
Application October 22, 1938, Serial No. 80,624
Term of patent 3½ years



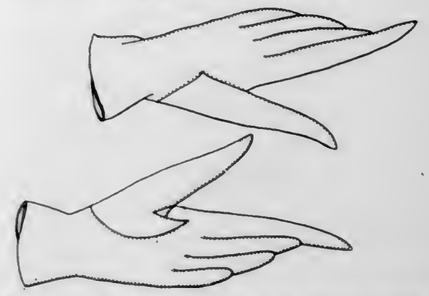
The ornamental design for textile fabric, substantially as shown.

112,582
DESIGN FOR A COMBINED ERASER AND PENCIL TIP
Frank H. Beck, Shelbyville, Tenn.
Application April 19, 1938, Serial No. 76,610
Term of patent 7 years



The ornamental design for a combined eraser and pencil tip, as shown.

112,583
DESIGN FOR A GLOVE
Norman Blum, New York, N. Y.
Application May 20, 1938, Serial No. 77,316
Term of patent 3½ years



The ornamental design for a glove, substantially as shown and described.

112,584
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Fulco di Verdura, New York, N. Y., assignor to Paul E. Flato, New York, N. Y.
Application January 10, 1938, Serial No. 74,187
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

112,585
DESIGN FOR A HAT
Herman Freydberg, New York, N. Y.
Application April 22, 1938, Serial No. 76,706
Term of patent 3½ years





The ornamental design for a hat, as shown and described.

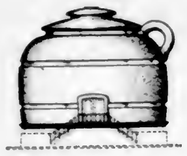
112,586
DESIGN FOR A STOCKING OR SIMILAR ARTICLE
Philip Gerton, New York, N. Y.
Application July 23, 1938, Serial No. 78,671
Term of patent 7 years



The ornamental design for a stocking or similar article, substantially as shown and described.

112,587
DESIGN FOR A RESTAURANT OR SIMILAR BUILDING
Frederick H. Jantzen, Bronx, N. Y.
Application October 11, 1938, Serial No. 80,362
Term of patent 14 years

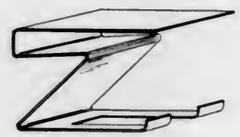




The ornamental design for a restaurant or similar building, substantially as shown.

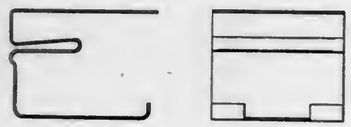
112,588
DESIGN FOR A HANGER FOR TOILET ARTICLES OR THE LIKE
Stanley Lowen, New York, N. Y.
Application February 17, 1938, Serial No. 75,214
Term of patent 14 years

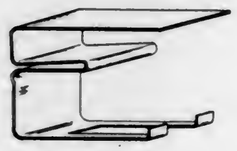




The ornamental design for a hanger for toilet articles or the like, substantially as shown.

112,589
DESIGN FOR A HANGER FOR TOILET ARTICLES OR THE LIKE
Stanley Lowen, New York, N. Y.
Application February 17, 1938, Serial No. 75,215
Term of patent 14 years





The ornamental design for a hanger for toilet articles or the like, substantially as shown.

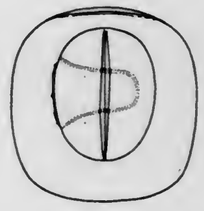
112,590
DESIGN FOR A KNIFE
John E. MacPherson, Franklinville, N. Y., assignor to The Ontario Knife Company, Franklinville, N. Y.
Application July 6, 1938, Serial No. 78,307
Term of patent 14 years



The ornamental design for a knife, as shown and described.

112,591
DESIGN FOR A HAT
Sam Stricker, New York, N. Y.
Application September 21, 1938, Serial No. 80,023
Term of patent 3½ years





The ornamental design for a hat, substantially as shown and described.

Patents Nos. 2,140,491 to 2,141,157

THE

OFFICIAL GAZETTE

OF THE

United States Patent Office

Vol. 497—No. 3 TUESDAY, DECEMBER 20, 1938 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.

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December 20, 1938

Trade-Marks	146	No. 363,253 to No.	363,398,	inclusive.
T. M. Renewals	15			
Labels	34	No. 52,232 to No.	52,265,	inclusive.
Labels Renewed	2			
Prints	6	No. 17,164 to No.	17,169,	inclusive.
Reissues	3	No. 20,951 to No.	20,953,	inclusive.
Patents	667	No. 2,140,491 to No.	2,141,157,	inclusive.
Designs	82	No. 112,592 to No.	112,673,	inclusive.
Total	955			

Suits Under Section 4915 R. S.—Rule 8 of Rules of Civil Procedure

Attention is called to the provisions of Rule 8, of the Rules of Civil Procedure, with relation to the form of the complaint, and to the fact that these rules are in force in the courts of the District of Columbia.

R. F. WHITEHEAD,
Solicitor of the Patent Office.

Interference Notice

U. S. Patent Office, *Washington, D. C., Dec. 7, 1938.*

Princess Manufacturing Co., its assigns or legal representatives, take notice:

An interference has been declared by this Office between the application of Augusta Knitting Corporation, 700 Broad Street, Utica, N. Y., for registration of a trade-mark, and trade-mark registered February 14, 1928, No. 238,678, to Princess Manufacturing Co., 116 Mitchell Street, S. E., Atlanta, Ga. A notice of such proceeding sent by registered mail to said Princess Manufacturing Co. at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Princess Manufacturing Co., its assigns or legal representatives, shall enter an appearance within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

U. S. Court of Customs and Patent Appeals
AMENDMENT TO RULE XXV

At the end of the last paragraph of subdivision 1 of Rule XXV add the following:

Provided, however, That if any adverse party in an interference case shall, within twenty days after appellant shall have filed notice of appeal to this court, file notice with the Commissioner of Patents that he elects to have all further proceedings conducted as provided in section 4915 of the Revised Statutes, certified copies of the notice of appeal and the notice of election shall be transmitted to this court by the Commissioner of Patents for appropriate action according to law.

Adopted December 5, 1938.

Attest:

ARTHUR B. SHELTON,
Clerk.

Adjudicated Patents

(C. C. A. Mich.) Currier patent, No. 1,283,400, for trunk-circuit, claims 6 and 7 *Held* invalid and claims 24 and 27 *Held* not infringed. *Kellogg Switchboard & Supply Co.* v. *Michigan Bell Telephone Co.*, 99 F.(2d) 207.

(C. C. A. Mich.) Currier patent, No. 1,438,170, for telephone system with flickering recall, claims 33, 34, and 46 *Held* invalid. *Kellogg Switchboard & Supply Co.* v. *Michigan Bell Telephone Co.*, 99 F.(2d) 203.

(D. C. Calif.) Montgomerie patent, No. 1,643,675, for bituminous emulsion, claims 1 and 2 *Held* valid and infringed. *American Bitumuls Co.* v. *Union Oil Co. of California*, 24 F. Supp. 795.

(D. C. Idaho.) Schmidtke patent, No. 1,752,856, for method and apparatus for making baskets, claims 1, 2, 5 to 7, and 15 to 19 *Held* valid and infringed. *Straight Side Basket Corporation* v. *Kull*, 24 F. Supp. 771.

(D. C. Idaho.) Schmidtke patent, No. 1,895,586, for basket, claim 2 *Held* valid and infringed. *Id.*

Condition of Applications Under Examination at Close of Business December 3, 1938

(Total number of applications awaiting action, excluding Trade-Mark Division, 45,314; Trade-Mark Division, 1,423. Oldest new case, March 15, 1938; oldest amended, March 23, 1938.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	June 8	June 13	812
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	June 20	July 9	832
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Oct. 5	Oct. 4	333
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	July 18	July 15	541
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Sept. 12	Sept. 10	526
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	June 8	June 3	1146
5725	7. JARBOE, C. G., Optics; Photography	Aug. 25	Aug. 25	933
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	July 27	July 18	957
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Sept. 1	Aug. 23	519
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Aug. 10	Sept. 8	547
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Aug. 13	Aug. 24	469
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	Mar. 15	Mar. 23	797
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	July 19	July 19	637
5097	14. YUNG KWAI, B., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Sept. 15	Sept. 15	450
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	July 24	July 24	1110
5716	16. SPENCER, C. J., Telegraphy; Telephony	June 16	June 9	820
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	July 11	July 11	631
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	June 23	June 23	575
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Aug. 2	Aug. 3	670
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Sept. 7	Sept. 14	388
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Sept. 2	Sept. 1	445
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Aug. 18	Aug. 22	603
7624	23. BUTTNER, W. J., Registers (part)	May 11	Apr. 30	315
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Sept. 13	Sept. 13	539
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Aug. 15	Aug. 19	520
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Aug. 11	Aug. 3	590
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	May 31	May 27	1139
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	July 7	June 27	520
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	June 27	June 20	744
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	June 11	June 11	854
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Sept. 6	Sept. 3	640
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Aug. 29	Aug. 29	559
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	July 28	Aug. 9	848
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	Aug. 25	Sept. 8	295
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	July 28	July 30	735
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	June 22	June 23	638
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	May 19	June 4	847
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	May 21	May 20	654
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	July 18	July 19	571
7890	40. OBERLIN, J. J., Metallic Wood, Paper, and Special Receptacles	July 5	July 5	1370
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Aug. 5	Aug. 15	249
5882	42. CUTTING, H. O., Electric Signaling	May 2	Apr. 9	788
4886B	43. KLINGE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	July 21	July 21	524
4087B	44. HARVEY, L. P., Refrigeration	July 8	June 30	667
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	June 23	July 22	736
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	July 11	July 19	642
6082	47. LOWE, E. R., Clutches; Brakes	Aug. 4	July 27	500
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Aug. 11	Aug. 11	515
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Apr. 28	May 24	1067
4701	50. BLAKE, C. L., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	June 8	June 18	1106
5628	51. BACKUS, C. D., Radiant Energy (part)	Aug. 19	Aug. 19	809
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Sept. 1	Sept. 6	791
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Aug. 18	Aug. 29	609
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Aug. 27	Aug. 27	413
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	June 2	June 2	1295
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	July 5	July 5	1067
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Aug. 2	July 6	474
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Aug. 24	Aug. 15	356
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Aug. 18	Aug. 23	724
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	July 18	July 27	521
6724	61. LAMAN, JAMES (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	June 17	June 20	583
5621	62. PUOH, E. C., Games; Geometrical Instruments	Sept. 2	Sept. 2	521
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Aug. 5	Aug. 5	516
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	July 14	July 13	1070
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	June 8	May 26	647
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND (Trade-Marks	Nov. 1	Nov. 18	1329
	(Labels and Prints	Nov. 21	Nov. 18	1423
2605	Designs: H. H. KALUPY	Oct. 15	Nov. 1	1005

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Appeals for the District of Columbia

DEAN MURPHY, AND CHADELOID CHEMICAL CO.

v.

COE, COMMISSIONER OF PATENTS

No. 7,026. Decided Sept. 26, 1938

[— F.(2d) —]

1. INVENTION—CONNOTES TALENT.

"A man who changes the proportion of aluminum in a lacquer is not necessarily an inventor, however superior his result. To experiment with reduced quantities of one expensive ingredient may show commendable enterprise without showing the kind of talent connoted by the term invention."

2. PATENTABILITY—OPALESCENT LACQUER.

Claims for an opalescent lacquer made with aluminum bronze *Held* unpatentable over the prior art.

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. Sol Shappirio for Dean Murphy and Chadeloid Chemical Company.

Mr. R. F. Whitehead for the Commissioner of Patents.

Before GRONER, Chief Justice, and STEPHENS and EDGERTON, Associate Justices

EDGERTON, *J.*:

Appellants applied to the Patent Office for a patent on an opalescent lacquer, the process of making it, and a sheet of metal coated with it. The Office rejected the claims, for lack of invention, and appellants brought a bill in equity against the Commissioner of Patents under R. S. sec. 4915, 35 U. S. C. A. § 63. The district court sustained the Patent Office and dismissed the bill.

It appears that before appellants' lacquer there was on the market no cheap and durable opalescent finish for automobiles, radio parts, and similar surfaces. Opalescent lacquers were sometimes used and were considered attractive, but they were costly and short-lived. Those on the market involved the use of "pearl essence", obtained from fish scale, as one ingredient. Appellant Murphy used aluminum bronze (flaked aluminum) instead of pearl essence. The result was cheap and durable, as well as pleasing. Great commercial success followed. The novelty and utility of appellants' combination of materials are not questioned: the question is whether invention was involved. Appellants claim that there was invention (1) in using aluminum bronze to produce an opalescent lacquer, and (2) in using their proportions of aluminum bronze.

(1) Appellants' application was filed in 1931. Edwards, Aluminum Bronze Powder and Aluminum Paint, was published in 1927. It describes the use of aluminum bronze powder in lacquers, as giving—

"a film of somewhat frosted appearance with high light diffusion and attractive appearance. . . . The durability of lacquer films with outdoor exposure . . . is greatly increased by the addition of metallic aluminum flakes." (P. 37.)

It states that—

"The aluminum powder lends to the paint a certain silky luster which appears to give depth to the surface." (P. 64.)

It states that when aluminum bronze powder is used with cellulose plastics,

"the powder flakes in different areas assume different orientations, reflecting light beams in as many different directions . . . Its appearance is also suggestive of mother-of-pearl. The appearance of the article changes according to the angle at which it is viewed with the eye, each new position bringing into play light reflections from a new combination of bronze powder flakes." (P. 92.)

In the light of these older quotations we cannot say that the conception by Murphy, in 1931, of using flaked aluminum in place of pearl essence to give an opalescent effect to a lacquer clearly required "some uncommon talent".[1] It does not meet the point to say that appellants' lacquers are cheaper, or more durable, or more opalescent, than any similar lacquers the prior art knew, or that they were promptly and widely used and imitated. Cf. *Minnesota Mining & Manufacturing Co.* v. *Coe*, — App. D. C. —, decided June 30, 1938. Commercial success does not take the place of invention.[2] As Judge Learned Hand has said, "An invention is a new display of ingenuity beyond the compass of the routineer." *Kirsch Manufacturing Co.* v. *Gould Mersereau Co., Inc.*, 6 F.(2d) 793, 794 (C. C. A. 2d).

[1] [2] (2) Appellants contend that their use of a greatly reduced proportion of aluminum, as compared with Edwards and the prior art, involved invention. They assert, and it is not denied, that the trade had long sought a lacquer which would do what theirs does. From this they argue that it was not obvious and must be an invention. But obviousness and invention are not a complete dichotomy. A prospector who strikes it rich is not an inventor. A man who changes the proportion of aluminum in a lacquer is not necessarily an inventor, however superior his result. To experiment with reduced quantities of one expensive ingredient may show commendable enterprise without showing the kind of talent connoted by the term invention. In *Becket* v. *Coe*, —App. D. C. —, decided June 6, 1938, combinations of some five metals, in given proportions, to form a stain-resisting and deep-drawing alloy, were held patentable notwithstanding the fact that the metals and the proportions came within ranges previously disclosed by others. But, as this court pointed out, the prior art did not know a chromium-manganese-nickel-copper ferrous alloy of stainless and deep-drawing properties. In the present case, on the other hand, the prior art did know a lacquer, made with aluminum bronze, which more or less approximated and strongly suggested the properties now termed opalescence. Moreover, the claims in the Becket application disclosed certain proportions; those in the present application disclose none. Appellants' specification sets forth certain formulae as "typical", but the claims are in undefined terms such as "aluminum bronze in proportion to give said composition substantial opalescence without

[1] *Textile Machine Works* v. *Louis Hirsch Textile Machines, Inc.*, 302 U. S. 490, 499, 58 S. Ct. 291, 82 L. Ed. 297.

[2] Textile Machine Works case, supra.

solid ground color effect." Since "under the statute it is the claims of the patent which define the invention,"[3] it follows that if there were invention in appellants' proportions as set forth in the specification it would not aid them here.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE SÖLL

No. 3,964. Decided June 27, 1938.

[97 F.(2d) 623]

APPLICATION—SUFFICIENCY OF DISCLOSURE—GENERIC CLAIMS NOT SUPPORTED BY DISCLOSURE OF SINGLE SPECIES.

Where certain claims of an application for patent on a plastic material and the process of making same recited "a hydrogen halide" and the application disclosed only hydrogen fluoride, *Held* the claims were properly rejected as being broader than the disclosure in the application.

APPEAL from the Patent Office. Affirmed.

Mr. Gordon C. Mack and *Mr. H. R. Waters* for Söll.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

BLAND, *J.:*

Ten claims of appellant's application for a patent relating to a certain process and product more particularly described hereinafter were allowed by the Primary Examiner of the United States Patent Office, and claims 13 to 25, inclusive, were rejected. Upon appeal to the Board of Appeals, the decision of the Examiner was affirmed. After appealing to this court, appellant moved to dismiss the appeal as to claims 22 and 23, which motion will be allowed.

Claims 13, 14, 17, and 21 are illustrative of the remaining appealed claims and follow:

13. In a process for producing a compound of a hydrogen halide and a butadiene body, the step of subjecting said butadiene body directly to the action of liquefied hydrogen halide.

14. The process of preparing a hydrohalide addition product of a butadiene body, which comprises reacting a butadiene body with a dry hydrogen halide in the presence of an excess of said hydrogen halide and in the absence of a solvent to form the hydrohalide addition product of said butadiene body and evaporating off any unreacted hydrogen halide to isolate said addition product.

17. As a new product, a butadiene hydrohalide addition product obtained in accordance with the process defined by claim 14.

21. In a process for producing a compound of hydrogen halide and rubber, the step of subjecting rubber to the action of liquefied hydrogen halide for a time sufficient to produce only a partial reaction between the hydrogen halide and the rubber.

The invention relates to plastic materials and discloses, as is shown by allowed claim 1, a process which comprises reacting upon rubber with hydrofluoric acid. Claim 1 follows:

1. The process which comprises reacting upon rubber with hydrofluoric acid of a strength above about 40% by weight.

Four of the claims on appeal are drawn to cover the product of the said process and seven of the claims relate to the process. Some of the claims at bar were copied from the patent to Gebauer-Fuelnegg, 1,980,396, of November 13, 1934, for the purpose of interference, and while this patent is referred to in the decisions of the tribunals below, it is not used as a reference in the rejection of the claims.

The Examiner rejected some of the claims upon four different grounds. The Board disagreed with two of the grounds. The two remaining grounds of rejection are that claims 13, 14, 16, 17 and 18 "recite broadly the reacting of a 'butadiene body' with a hydrogen halide". These claims were rejected as being broader than the invention for the reason that the term "butadiene body" is broader than the disclosure of appellant's application. Appellant discloses only the reacting of natural rubber with hydrofluoric acid. The second ground of rejection went to all the claims and was to the effect that they were broader than the invention in that they recite that the butadiene body or the rubber is reacted with a "hydrogen halide" which term is broader than the term "hydrofluoric acid". In view of our conclusion, it will only be necessary for us to consider the last ground of rejection.

The Examiner's second ground of rejection is given in the quoted language which follows:

Claims 13 to 25 have been rejected as not supported by the disclosure, and as broader than the invention. All these claims are characterized by reciting that the butadiene-body or the rubber is reacted with a "hydrogen halide"; applicant has disclosed that he can use only hydrogen fluoride, since no implied or direct statements can be found in the application, as originally filed, that the other hydrogen halides will react similarly to give the same product. The application deals with an apparently obscure and complex reaction in which the hydrogen fluoride appears to effect an intermolecular rearrangement in the rubber molecule, acting probably as catalytic agent. On the other hand, there is ample evidence that when the hydrogen chloride, bromide, or iodide reacts with rubber, there is obtained a rubber hydrochloride, bromide, or iodide which are definite chemical compounds. • • •

The Board stated:

Taking up first the question of breadth of invention, appellant has referred only to rubber and hydrofluoric acid in his application as filed. He has undertaken to show by affidavits, however, that his process is applicable to other hydrogen halides and to other butadiene bodies.

As a general rule, it is our opinion that in chemical cases, where an applicant does not refer to any substitutes for the particular material disclosed or give any indication that he regards his invention as generic in the application as filed, he is not entitled to broader claims than for the material originally disclosed. This question was discussed somewhat in *Ex parte Sloane*, U. S. Pat. Q., vol. 22, page 222. We consider, therefore, that the Examiner's action in rejecting the claims as broader than his invention was clearly justified.

It is the contention of appellant here, in substance, that the class of hydrogen halides (sometimes called hydrohalides) includes hydrogen chloride, hydrogen fluoride, hydrogen bromide and hydrogen iodide, and that these in turn are sometimes called hydrochloric acid, hydrofluoric acid, hydrobromic acid, and hydroiodic acid, respectively; that there are only four hydrogen halides; that they form a clearly defined group well known to all chemists; that rubber reacts with them to form the rubber hydrohalides, viz., rubber hydrochloride, rubber hydrofluoride, rubber hydrobromide and rubber hydroiodide; that the prior art shows that when rubber and other butadiene bodies are treated with hydrogen halides, certain compounds known in chemistry as "addition products" are formed and that the prior art establishes that all the hydrogen halides are equivalents and have the same action. Appellant claims that since he has disclosed one (hydrofluoric acid) of the small group to which it belongs and that since chemists understand that the other three hydrogen halides are equivalents in their action, he is entitled to claim in his application the whole group of hydrogen halides broadly. In other words, it is argued that having disclosed only one species of a well-known group of chemicals, applicant is entitled to the allowance of claims covering the whole group. If he is not allowed to claim the whole group broadly, it is argued that he will have no protection for his invention.

[3] *Altoona Publix Theatres, Inc.* v. *American Tri-Ergon Corporation*, 294 U. S. 477, 487, 55 S. Ct. 455, 79 L. Ed. 1005.

The Solicitor for the Patent Office asserts that the disclosure of one species only is not sufficient to entitle an applicant to claims covering all the members of a group, citing *In re Walker*, 21 C. C. P. A. (Patents) 1121, 70 F.(2d) 1008, 447 O. G. 761; *In re Burk*, 22 C. C. P. A. (Patents) 857, 74 F.(2d) 547, 454 O. G. 787; and *In re Steenbock*, 23 C. C. P. A. (Patents) 1244, 83 F.(2d) 912, 473 O. G. 495. In the Solicitor's argument, no distinction seems to be made in applying the rule in mechanical applications and chemical applications.

We think the rule relating to the allowance of generic claims upon a disclosure of one or more species has been given particular application in chemical cases and is referred to by the appellant as the so-called "rule in chemical cases". The rule is properly stated in the above-quoted language of the Board.

Appellant argues that where the rule has been announced in chemical cases, it has been in connection with the patentability of claims which were then under consideration, and that since some of the claims on appeal here have been allowed in the Gebauer-Fuelnegg patent, patentability is not involved, and the decisions relied on therefore are not pertinent.

We agree with the Solicitor for the Patent Office in his answer to this argument that the patentability of the claims at bar is involved here. But, of course, the issue now at hand relates only to the patentability of the claims upon a particular disclosure.

We think the rule is well settled that in a chemical case where an applicant discloses that one species of a class of chemicals will accomplish a certain purpose without naming any others of the class to which it belongs or without so describing the species and its mode of operation as to call attention to the fact that other members of the class are its equivalents and will perform the same function, he is not entitled to broaden the scope of his disclosed invention by claiming the whole group, even though those skilled in the art may know that in some respects at least the different members of the group are equivalents. Certain members of a well-defined group of chemicals may be equivalents for one purpose and not equivalents for another. Experimentation is required to ascertain the particular action of a member of the group upon the particular material to be treated. Appellant's application is barren of any suggestion that anything but hydrofluoric acid will react upon rubber in the desired manner. There is no teaching in the application of the equivalency of the members of the group nor is there any member of the group named other than hydrofluoric acid. As far as the application discloses, the art was not taught that it could use anything but hydrofluoric acid and it would seem improper to now permit applicant to broaden the scope of his invention since others, presumably after experimentation, have discovered that any member of the hydrogen halide family will do the work.

In *In re Steenbock*, supra, where the applicant disclosed a process involving subjecting yeast to irradiation, this court held that he was not entitled to a claim for a process applied broadly to fungus material. In discussing the question the court said:

The principle is well established in chemical cases, and in cases involving compositions of matter, that the disclosure of a species in a cited reference is sufficient to prevent a later applicant from obtaining generic claims, although the disclosure in an application of a species may not be a sufficient basis for a generic claim. See *In re Ellis*, 37 App. D. C. 203; *In re Dosselman*, 37 App. D. C. 211; *In re Langmuir*, 20 C. C. P. A. (Patents) 733, 62 F.(2d) 93; *In re Walker*, 21 C. C. P. A. (Patents) 1121, 1127, 70 F.(2d) 1008; *In re Burk*, 22 C. C. P. A. (Patents) 857, 74 F.(2d) 547.

Although appellant's involved application was originally alleged to be a true division of his application No. 157,430, filed December 27, 1926, which matured into Patent No. 1,871,136, August 9, 1932, there was no disclosure in that application of the involved process as applied to fungus material generally—the process there disclosed being limited, so far as fungus material is concerned, to yeast. Accordingly, although described as a true division of his original application, appellant, by an amendment to the involved application, dated December 7, 1933, substituting the language "continuation in part" for the word "division", conceded that it was not a true division, and that his original disclosure was limited to a process involving yeast only.

Applying the rule hereinbefore stated, it is perfectly clear that appellant is not entitled to the broad claims here on appeal.

The rule as above stated is so well settled that extended discussion of the authorities is deemed unnecessary. The Steenbock case, supra, seems to be squarely in point and the other cases cited by the Solicitor for the Patent Office clearly support the conclusion herein reached.

The decision of the Board of Appeals, affirming that of the Examiner, for the reasons stated, we think, was without error. The appeal as to claims 22 and 23 is dismissed. As to the remaining claims—13 to 21, inclusive, 24 and 25—the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE MERZ

No. 3,973. Decided June 27, 1938

[97 F.(2d) 599]

1. PATENTABILITY—PURIFIED PRODUCT—ULTRAMARINE.

Inventor of method of purifying ultramarine by flotation process *Held* not entitled to a patent on "artificial ultramarine containing non-floatable impurities" prepared by the process since the process was not designed to make the impurities non-floatable and the presence of non-floatable impurities was not advantageous.

2. CLAIMS—PRODUCT DEFINED BY PROCESS.

In application relating to artificial ultramarine a claim for "artificial ultramarine • • • having substantially the properties of a product prepared according to the method of claim 3" *Held* objectionable as defining the product by the process.

3. PATENTABILITY—PURIFIED PRODUCT.

Inventor of method of purifying substance *Held* not entitled to a patent on the purified product itself where purified product differed only in degree and not in kind from the prior art product.

APPEAL from the Patent Office. Affirmed.

Mr. Ellis S. Middleton and *Mr. Walter M. O'Brien* for Merz.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

BLAND, *J.*:

A number of claims relating to a process for purifying ultramarine having been allowed by the Primary Examiner of the United States Patent Office, appellant has appealed here from the decision of the Board of Appeals affirming that of the Examiner in rejecting claims 7 and 20 to 23, inclusive, which relate to the article, ultramarine, when produced by the said process. Appellant's application teaches a method of purifying ultramarine which contains floatable dirt, including carbon and sulphur, by a flotation process in which the mass is made into a pulp and subjected to flotation operation in the presence of a reagent which has a selective affinity for the dirt or impurity.

Claims 7, 20, and 22 are regarded as illustrative and follow:

7. As an article of manufacture, artificial ultramarine containing non-floatable impurities having substantially the properties of a product prepared according to the method of claim 3.

20. As an article of manufacture, artificial ultramarine containing non-floatable impurities substantially free from color dulling floatable impurities.

22. As an article of manufacture, artificial ultramarine containing non-floatable impurities having improved brightness of shade in all particle sizes over material of the same size produced by levigation methods, said ultramarine being substantially free from color dulling floatable impurities.

Claim 7 was rejected by the Examiner "as being an improper type of product claim and on the ground that the product produced is not patentable". He rejected claims 20 to 23, inclusive, on the ground that the product was not patentable over the unpurified product and on the further ground that "they define by the use of negative limitations". The Examiner in discussing the question stated that claim 7 violated the well-known rule that "a claim to a new product cannot be claimed by the process of making it unless there is no other way of defining the product".

Concerning the claims which call for artificial ultramarine containing non-floatable impurities, the Examiner said that this limitation was not supported by the original specification which makes no mention of the presence of these impurities but states that the process removes substantially 100 per centum of the so-called dirt. He pointed out that claims 20 to 23, inclusive, also seek to define the product by stating that they do not contain floatable ingredients. The absence of such floatable ingredients, the Examiner points out, is the result of appellant's process and, therefore, the claims are objectionable as defining the article by the process of purification.

The Examiner stated that the major question in the case was whether or not the product was patentable, and on this phase of the case said:

> The major question in the case is whether or not the product is patentable. Applicant has taken an old product, either naturally or synthetically produced, and removed the impurities therefrom. The first question is one of fact as to the character of the product produced and the second and most important question is, as matter of law, did it require invention independent of the method to discover this product?

The Examiner further stated:

> The Examiner has held that regardless of the superior properties of the product over that previously produced by levigating artificial ultramarine, they are not such as to take the case out of the general rule as set forth in the following case; that a product which has been purified is not patentable over the unpurified product.
>
> Artificial ultramarine is a well known synthetic reproduction of the ultramarine of nature. The product has been created by both nature and man. The applicant has merely pointed out the properties of a purified product. The claims call for a product free from impurities which will float. Whether an impurity will float or not is not an absolute condition. A substance will float when its surface conditions are such that water will not displace air from the surface. The surface conditions are modified by a large number of factors. Practically all substances can be subjected to conditions of surface which will cause them to float. The claim, therefore, calls for a pigment containing the coloring ingredient of ultramarine in a substantially pure state. The coloring ingredients are natural products. These ingredients were well known long before applicant's entry into the art. He has merely purified them. No sound basis of distinction between the purification of elements, such as were present in the cases of *General Electric Co.* v. *DeForest Radio Co.*, 28 Fed. Rep. (2nd) 64, and *Mardsen and Rich*, 47 Fed. 2nd 958, 1931 C. D. 352, or the purified natural product hor-ome which were involved in *Ex parte Eldred*, 1,978,079, and *Ex parte Lauteweschlager*, 1,940,174 or the manufactured abrasive in *In re Ridgway*, 76 Fed. 2d 602, 1935 C. D. 533, and the purified natural or artificially produced coloring ingredient of ultramarine.
>
> Even if applicant has removed only a portion of the impurities, the impure product remaining is not such as will have any unusual functions within the dicta in *General Electric Co.* v. *DeForest Radio Co.*, supra.

Upon appeal to the Board it stated:

> The treatment of artificial ultramarine by flotation seems to be new with appellant and the Examiner has allowed claims in process form. As to the claims on appeal, it is the Examiner's view that they cover nothing more than a known product which has been purified and hence not patentable over the unpurified product. The claims on appeal are also held to be formally objectionable. Claim 7 attempts to define the characteristics of appellant's product by comparison with the product made by appellant's method as stated in claim 3. This is an indirect attempt to define the product by the method of making the same. As a general proposition, it has frequently been held that a product should not be defined by the method of making where it is possible to define the same in any other way and especially where the method employed cannot be determined from inspection of the article. We agree with the Examiner that claim 7 is not in good form.
>
> As to the remaining claims, it is the Examiner's view that they are not fully supported by the specification as filed in that there is no teaching in the specification that the finished product contains non-floatable impurities. Inasmuch as the purification process employed involves flotation, it may be inferred that the impurities, if any, remaining in the product would be of a non-floatable type. In this connection and in connection with a second limitation of the claims that floatable impurities have been removed, the Examiner points out that the impurities removed and hence those remaining will depend to a considerable extent at least on the character of the flotation agent used. Because of this fact and because of the fact that the claims specify no particular flotation agent, it is the Examiner's view that they are indefinite as definitions of a particular product. We think this view also is sound.
>
> As a general proposition we think the Examiner's holding that mere purification of known materials does not result in a patentable product is proper. In some cases claims have been allowed and sustained for a product which resulted from the purification of a previously known product but as pointed out by the Examiner, the product obtained in such a case had properties and characteristics which were different in kind from those of the known product rather than in degree. In the present case the material produced has no new utility imparted to it but is merely of a superior quality because of the removal of materials which tend to somewhat dull the color of the known product.

[1] [2] We are in agreement with the decision of the Board which affirmed that of the Examiner. We see nothing inventive in producing an artificial ultramarine which contains non-floatable impurities. Appellant's process was not designed to make the impurities non-floatable nor is any advantage shown in having the product contain non-floatable impurities. Moreover, claim 7 is objectionable for the reason assigned by the Examiner to the effect that it defines the product by the process by which it was made.

[3] We are in agreement with the tribunals below in their holdings that while appellant may be entitled to a patent on a method for purifying an ultramarine either artificial or natural, he is not entitled to a patent on the article which after being produced has a greater degree of purity than the product produced by former methods. This general rule is a well-settled one, but like all other rules it has an exception. The exception is that if the process produces an article of such purity that it differs not only in degree but in kind it may be patentable. If it differs in kind, it may have a new utility in which invention may rest.

Appellant has stressed and relies largely upon the celebrated "aspirin" case—*Farbenfabriken of Elberfeld Co.* v. *Kuehmsted*, 171 Fed. 887. The validity of the claim of the Hoffman patent. No. 644,077. was involved in that suit. The claim called for acetyl salicylic acid as a new article of manufacture. Hoffman, the inventor, discovered a new method of purifying this acid and when purified it became a very valuable (and in a patent sense a new) material used extensively for medicinal purposes for which it was in no sense suitable prior to its purification. The facts in that case are very different from the facts at bar. No new use is claimed for appellant's purified ultramarine. It is the same old ultramarine with the same old use though it may have brighter color and be more desirable as a pigment than formerly.

We are in agreement with the decision of the Board of Appeals for the reasons stated and the same is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE CLARK

No. 3,978. Decided June 27, 1938

[97 F.(2d) 628]

1. PATENTABILITY—SLACK ADJUSTERS.

A certain claim of application relating to slack adjusters for use with air brake equipment *Held* properly rejected as being broad enough to read on applicant's own prior patent.

2. SAME—CLAIMS—FUNCTIONAL STATEMENTS—EFFECT OF.

"The law is well settled that the mere addition of the statement of the function of an element does not necessarily make that claim patentable over one in the prior art where the same structure is described without the functional element." But in infringement suits "functional statements frequently are resorted to for purposes of interpretation, and are often regarded as limitations which may be controlling in the proceedings."

3. SAME—PLURALITY OF CLAIMS—APPLICANT ENTITLED TO REASONABLE LATITUDE.

"It seems to us that where there is not a multiplicity of claims and where it is obvious that an applicant has not been unduly and unnecessarily verbose in defining his invention in his claims, he ought to be given a reasonable latitude of expression."

4. SAME—SAME—SAME.

Where applicant expresses the same invention in more than one claim and "by so doing he more clearly defines his invention and does not by undue multiplicity obscure the same, he is acting within the rights granted and the duties required by the patent laws."

5. SAME—SAME—SAME—SLACK ADJUSTERS.

A certain claim of application relating to slack adjusters for air brake equipment which distinguished from an allowed claim by addition of a functional statement *Held* patentable.

APPEAL from the Patent Office. Modified.

Mr. James W. Clark, pro se.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

BLAND, *J.*:

A number of claims in appellant's application for a patent relating to an improvement in slack adjusters for use with airbrake equipment on railroad cars, etc., including claim 1, the only allowed claim printed in the back of the record, having been allowed, appellant has appealed here from the decision of the Board of Appeals affirming that of the Primary Examiner in rejecting claims 12 and 19. Said rejected claims, and allowed claim 1, follow:

12. In an air brake equipment, the combination with a push rod and a live cylinder lever operatively connected therewith, an operating mechanism, means for imposing movement upon said mechanism upon abnormal travel of said push rod, a second lever, said second lever being interposed in the brake rigging and operatively connected thereto, means for holding said second lever for swinging movement, means for imposing the movement of said mechanism upon said second lever, a third lever, said third lever being interposed in the brake rigging and supported at one end portion for swinging movement, means for operatively connecting the opposite end portion of the third lever to the second lever, an operative connection between the third lever and the live cylinder lever, aforesaid movement imposed by said mechanism upon the second lever effecting the movement of the third lever and the live cylinder lever to take up slack in the brake rigging and to maintain a substantially uniform brake piston travel, and means coacting with the second lever to maintain the second and third levers in proper positions and to overcome the inertia of said levers while the brakes are being released.

19. In combination with a brake rigging including levers interposed in the central portion thereof and operatively connected therewith, an operative connection between said levers, a push rod of a brake equipment, a mechanism positioned to one side of said rod and operatively connected thereto, an operative connection between said levers and the mechanism, means operating upon abnormal travel of said push rod effecting the movement of said mechanism, said levers being adapted to transmit the movement of said mechanism whereby slack is taken out of said rigging with substantially equal effectiveness in both end portions thereof, and a substantially uniform brake piston travel is maintained.

1. In an air brake equipment, the combination with a push rod and a live cylinder lever operatively connected therewith, a mechanism, means for imposing movement upon said mechanism upon abnormal travel of said push rod, a second lever, said second lever being interposed in the brake rigging, means for holding said second lever for swinging movement, means for imposing the movement of said mechanism upon said second lever, a third lever, said third lever being interposed in the brake rigging, said third lever being supported at one end portion for swinging movement, means for operatively connecting the opposite end portion of the third lever to the second lever, an operative connection between the third lever and the live cylinder lever, aforesaid movement imposed by said mechanism upon said second lever effecting movement of the third lever and the live cylinder lever to take up slack in the brake rigging, and means coacting with the second lever to maintain the second and third levers in proper positions and to overcome the inertia of said levers while the brakes are being released.

The tribunals below rejected claim 12 upon the ground that the structure specified in the claim is in substance the same as that in allowed claim 1, holding that the additional language used in claim 12 over that found in claim 1 was in the statement of the functions of the elements found in both the claims. In affirming the decision of the Primary Examiner as to claim 12, the Board said:

> Appellant presents an automatic means for adjusting a linkage of a railway brake rigging to take up the slack due to the wear of the brake shoes or other parts. There are two claims under rejection. Claim 12 is held to be substantially the same as a claim already allowed and numbered 1. Appellant points to certain distinctions of these claims, one of which is that in referring to the second lever in claim 12 it is recited as interposed in the brake rigging and operatively connected thereto. Claim 1 does not state that the second lever is operatively connected to the brake rigging but obviously there would be no purpose in such lever unless it was connected operatively to the brake rigging and such construction must be read into claim 1. The principal distinction in the claims as we see it, is that claim 12 recites:
> "an operative connection between the third lever and the live cylinder lever, aforesaid movement imposed by said mechanism upon the second lever effecting the movement of the third lever and the live cylinder lever to take up slack in the brake rigging and to maintain a substantially uniform brake piston travel."
>
> This underscored portion of this expression is omitted in claim 1.
>
> Appellant concedes that the two functions, that is, of taking up slack in the brake rigging and maintaining a substantially uniform brake piston travel, are related, the taking up of the slack being for the purpose of maintaining a uniform brake piston travel or at least results in this second function. Structurally the claims seem to be the same. Appellant urges that claim 12 is more definite and complete than claim 1 and if that be his opinion he can cancel claim 1 and adopt claim 12. He has a choice of either of these claims and it is obvious they distinguish merely in a statement of function, that is, in one claim one function is recited and in the other claim an additional function is recited. If the structure had to be changed to carry out the two functions, the situation would be different. We hold the Examiner warranted in his rejection.

Claim 19 was rejected on the ground that the Board was not convinced that the claim clearly and patentably distinguished over the construction described in Fig. 1 of Clark's prior patent, 1,663,623, of March 27, 1928. The appellant in this court especially urges that the Board is in error with reference to claim 19, since he claims it has not given proper consideration and effect to the language of the claim which calls for "In combination with a brake rigging including levers interposed in the central portion thereof and operatively connected therewith." It is argued by appellant in his brief that the Board has misconceived the inventor's meaning and intended application of the term "brake rigging"; that distinction must be made between the brake rigging and the adjusting mechanism; that in the patent the installation of the slack adjuster is with the entire rigging while in rejected claim 19 the installation of the slack adjuster is required to be entirely within the center of the rigging. The Board answered this contention as follows:

> As to claim 19, we need consider only the first portion of the claim:
> "In combination with a brake rigging including levers interposed in the central portion thereof and operatively connected therewith. * * *"
> The question is whether this claim reads on the construction of the Clark patent (Fig. 1). Appellant maintains that the brake rigging in the patent does not include the levers 23, 26 and rods 28, but these elements are solely for the purpose of taking up the slack. In the present construction the slack is taken up through levers 43, 47 which are directly connected to the draft rigging. Giving a technical meaning to the term "brake rigging" it is possible claim 19 would be held to distinguish over the construction in Fig. 1 of the patent but this claim is obviously broadly drawn and unless the terms of the claim are given a very limited meaning, it clearly reads on the patent. It seems to us if it were appellant's purpose to distinguish from Clark, he could have modified claim 19 to be more definite as to this distinction. We are not convinced the claim clearly and patentably distinguishes over the Clark Fig. 1 construction.

[1] We are in agreement with the decision of the Board as to claim 19 and approve its statement that if appellant's purpose was to distinguish from his patent, he could have so modified claim 19 as to definitely have done so. Like the Board, we do not believe that claim 19 distinguishes over Fig. 1 of the Clark patent. We think that the allowance of the claim would be an extension of appellant's existing patent monopoly.

[2] As to claim 12, we find ourselves in disagreement with the views expressed by the tribunals below to the effect that the claim was properly rejected on the ground that it is substantially the same as allowed claim 1. Both tribunals held that the claim was allowable if claim 1 was not allowed, and that applicant had the choice of either of the claims. The so-called functional elements in claim 12 are accurately pointed out in the Board's decision. The law is well settled that the mere addition of the statement of the function of an element does not necessarily make that claim patentable over one in the prior art where the same structure is described without the functional element. It is also well settled, however, that when claims find their way into a patent and protection is sought in the equity courts against infringement, functional statements frequently are resorted to for purposes of interpretation, and are often regarded as limitations which may be controlling in the proceedings. We are not prepared to say that the functional phrase "to maintain a substantially uniform brake piston travel" does not have its proper place in the involved claim. It may be that the elements of claim 1 are expressed in such a way that such a structure might exist without performing the function of maintaining a substantially uniform brake piston travel. We are unable to say that appellant by this limitation has not narrowed or limited his invention.

The tribunals below have not rejected appellant's claim 12 upon the ground that a multiplicity of claims were presented in his application. No complaint in this respect has been made, and for this reason the case of *In re Randell*, 21 C. C. P. A. (Patents) 782, 67 F.(2d) 933, 440 O. G. 568, should not be regarded as controlling. See *In re Deakins* (Appeal No. 3,946), 25 C. C. P. A. (Patents)—, 96 F.(2d) 845, decided May 31, 1938.

[3] It seems to us that where there is not a multiplicity of claims and where it is obvious that an applicant has not been unduly and unnecessarily verbose in defining his invention in his claims, he ought to be given a reasonable latitude of expression. If claim 12 differs in no respect from claim 1 and yet is patentable, under the circumstances of this case (and we are confining ourselves to the particular facts here involved) we can see no harm in its allowance. Moreover, we are not convinced that the functional statements contained in claim 12 may not lend value to appellant's patent (when it issues) in the protection which he may hereafter seek.

[4] As we understand it, under the patent law and the prevailing Patent Office practice, an inventor, where it is difficult to express his invention in the form of claims, has the right to, and ordinarily for his own protection does, express the same invention in more than one claim. If by so doing he more clearly defines his invention and does not by undue multiplicity obscure the same, he is acting within the rights granted and the duties required by the patent laws, Robinson on Patents, vol 2, § 529 and cases cited; *In re McCullough*, 1927 C. D. 12. Unquestionably, advantage results to all concerned in proper cases if the same invention is defined by different forms of expression which are intended to describe the same subject matter. In this way, misunderstanding and misinterpretation are frequently avoided. This is not a case where the record shows that claim 1 and other claims, all involving the same subject matter, differently expressed, had been allowed, and claim 12 rejected on the ground of multiplicity. Nor is it a case where all the claims of appellant's application have been rejected on the ground that by multiplicity of claims applicant has not complied with the patent statutes by distinctly claiming his invention. Claim 12 was rejected upon the ground that a single claim, claim 1, states all that is inventive in claim 12. As far as this record shows, no latitude of expression whatever, other than that found in claim 1, was allowed.

The Solicitor for the Patent Office has pointed out that in *In re Einstein*, 18 C. C. P. A. (Patents) 885, 46 F.(2d) 373, 406 O. G. 287, this court said:

> * * * Two distinct claims for the same substantial matter, differing only in nonessentials, cannot both be sustained. * * *

It was our conclusion there that since one claim called for an "abutment" and the other claim called for a "stop", and since both claims referred to the same thing and had the same purpose, both claims should not be allowed. The situation is different here. The functional statement may have a possible importance in limiting the scope of appellant's invention.

A case which seems to be in point is *In re Sagle*, 17 C. C. P. A. (Patents) 1131, 40 F.(2d) 976, 399 O. G. 417. In that case, an appealed claim had been rejected on the ground that there was no patentable distinction between it and an allowed claim. Appellant there, as here, stressed the importance of the difference in the claims, and notwithstanding the contention of the Solicitor that the language in the rejected claim was unnecessary, this court reversed the decision of the Board and said:

> * * * We can see no harm in the allowance of this claim and think probably the same may serve to more clearly define applicant's disclosure and, therefore, should have been allowed.

By our conclusion here reached as to claim 12, it is not intended to suggest that the expression of a function of a recited element would make a nonpatentable claim patentable in this kind of case. Numerous authorities might be cited, however, where functional statements in claims were regarded as vital to the patent or were controlling in determining the absence of infringement. Interesting cases on the effect of functional statements might be cited such as *Automatic Appliance Co.* v. *McNiece Motor Co.*, 20 F.(2d) 578; *Linville et al* v. *Milberger*, 29 F.(2d) 610, affd. 34 F.(2d) 386; and *Beacon Folding Mach. Co.* v. *Rotary Machine Co. et al.*, 31 F.(2d) 646.

[5] We think that claim 12 should have been allowed and the decision of the Board of Appeals as to it is reversed; as to claim 19 it is affirmed.

Modified.

U. S. Court of Customs and Patent Appeals

IN RE LANG AND HAWKE

No. 3,998. Decided June 27, 1938

[97 F.(2d) 626]

1. PATENTABILITY—DIETARY LIQUIDS AND PROCESS OF PREPARING SAME—PRODUCT DEFINED BY UNPATENTABLE PROCESS.

   Claims for the process of preserving dietary liquids *Held* unpatentable over the prior art and *Held* that since "the process does not define invention, the product of the process, which in the claims is defined by the process steps, is also not patentable".

2. SAME—REJECTION ON PLURALITY OF REFERENCES.

   Where a plurality of references were used in rejecting claims to a process *Held* "The fact that no single reference shows all the steps and that no reference shows the steps in the exact order named does not change the situation, since, in view of the prior art, what appellant has done would be the obvious thing to do in order to produce the claimed results."

APPEAL from the Patent Office. Affirmed.

Mr. George S. Hawke, pro se, for Lang and Hawke.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

BLAND, *J.*:

All of appellants' claims in an application for a patent relating to a process for preparing and preserving dietary liquids, such as milk and fruit juices, and the ensuing product of the process, were rejected by the Primary Examiner of the United States Patent Office, and upon appeal the Examiner's rejection was affirmed by the Board of Appeals. Appellant has here appealed from the decision of the Board.

The rejected claims are numbered 1 to 16 inclusive. In view of the analyzation hereinafter of each of the claims, we think claims 1 and 15 are illustrative of the nature of the subject matter. They read:

> 1. The process of preserving dietary liquids comprising extracting the liquids from their original source and sealing same in a container without being contacted with the atmosphere, thereby retaining the natural color and flavor in the liquids free from extraneous bacteriological impurities.
>
> 15. A dietary liquid product obtained by being extracted fresh from its original source and sealed in a container without being at any time contacted with the air, thereby preserving its natural color and flavor free from extraneous bacteriological impurities.

The elements of the claims are aptly set out by the Examiner as follows:

> Claims 1 to 14 relate to the process; while claims 15 and 16 relate to the product. The claims are analyzed as follows:
>
> Claim 1. (*a*) Extracting in absence of air. (*b*) Sealing in absence of air.

Claim 2. Same as claim 1 plus irradiation prior to sealing.
Claim 3. Same as claim 1, and uses a vacuum to remove the air.
Claim 4. Same as claim 2 and uses a vacuum to remove the air.
Claim 5. Same as claim 2 but more specific in the baffle irradiation.
Claim 6. Same as claim 4 but more specific in the baffle irradiation.
Claim 7. Irradiates on baffle, cools, and seals. Oxygen is not excluded.
Claim 8. Much like claims 1 and 3. Removes air during extracting and sealing.
Claim 9. Drawn solely to irradiating liquids in thin film on baffle plate in a non-oxygen atmosphere.
Claim 10. More specific than claim 9 in that "filtered rays" are used. However, note that oxygen is not excluded in this claim.
Claim 11. Similar to claim 7 but includes *extraction* and absence of oxygen.
Claim 12. More specific than claim 9 in that "filtered" rays are used.
Claim 13. Specific to milk. Otherwise same as claim 2.
Claim 14. Specific to milk. Otherwise like 5.
Claim 15. The product produced by claim 1.
Claim 16. The product produced by claim 2.

The art relied upon is: Cheney, 1,214,134, January 30, 1917; Hieber, 1,325,094, December 16, 1919; Keyes, 1,307,500, June 24, 1919; Manning, 1,686,096, October 2, 1928; Chesney, 1,723,603, August 6, 1929; Bills, 1,808,760, June 9, 1931; Stephens, 1,883,420, October 18, 1932; Martin, Jr., 1,825,645, September 29, 1931; Agopian (British), 168,903, March 6, 1923; Munday (British), 269,678, October 25, 1926; Scholl (British), 283,472, November 1, 1928.

All the claims were rejected by the Examiner as lacking in invention over the art cited which the Examiner said shows substantially the same steps used in the same relationship. He correctly stated that "Hieber, Cheney, and Manning show it to be old to treat fruit juices in the absence of air to avoid oxidation and its concomitant flavor and taste spoilage." Cheney extracts the juice and sterilizes the same in such a manner as to avoid oxidation. He evacuates the chamber to remove air. He also seals the juice in containers.

Hieber keeps the juice free from "all possible contact with air". Manning has a similar process.

Stephens extracts the juice in an atmosphere of inert gas (free from air). He uses a vacuum to draw the juice into the processing chamber and bubbles carbon dioxide through the juice and evacuates to remove every trace of residual air. He does this, he states, with the aid of low temperature, so that the juice retains its original flavors and bouquet, as well as vitamins and enzymes. He then packs the juice in containers—all under vacuum.

Martin extracts milk direct from the cow's teats and uses carbon dioxide to remove any air. He does not let the air come into contact with the milk while it is being drawn from the cow. He uses a vacuum and closes the container to avoid air contact. He states that he may also treat beer, syrup, and other liquid substances.

The irradiation feature used alone, as well as in conjunction with a vacuum, is shown in the cited art. Munday first uses a vacuum on liquids and then irradiates them. Scholl removes the air from his entire apparatus and then irradiates the liquid in shallow streams.

The appellant specifies in some of his claims that he irradiates the liquid while it is in a thin film over a baffle plate. Some of his claims also refer to his irradiation as applying "filtered ultra violet rays" while the liquid is passed over a baffle plate.

Scholl also irradiates the liquid in shallow streams after removing the air. Keyes shows the use of a baffle plate for irradiating liquids. Bills shows irradiation, in the absence of air, of oil, such as peanut oil, as well as other liquids. He in addition shows the cooling step after irradiation (irradiation produces heat). Chesney cools during the irradiation. He also removes all air and uses "filtered" rays of a specific wave length.

Concerning appellants' alleged invention the Examiner stated:

> Applicants have only used known steps for their known values. The extraction, sterilizing, and sealing of the juice, all in the absence of air, is shown in the art. To use ultra-violet rays instead of other sterilizing means is obviously void of invention. * * *

The Board did not discuss all the references but referred to the prior art in the following quotation, which language also specifically discusses the Manning reference:

> The patent to Manning clearly teaches the exclusion of air from fruit juices during extraction and delivery to a closed container but appellants contend that air will necessarily leak into the apparatus and therefore that Manning is unable to perform the operation which he teaches.
>
> All of the appealed claims are quite broad with respect to the exclusion of air and even if the Manning apparatus will permit some air to reach the juices, we consider that appellants are not entitled to broad claims covering all ways of overcoming the alleged defect in the Manning apparatus.
>
> The other details we believe are fairly anticipated by the prior art and we do not think they require any discussion.

The Examiner also rejected claims 15 and 16 on the ground that they were indefinite due to the process limitations and pointed out that process limitations are undesirable in product claims. He additionally stated that the claims contained negative limitations.

In holding claims unpatentable in an application relating to pure milk, the Board of Appeals in *Ex parte Hill*, 6 U. S. P. Q. 132, referring to claims quite similar to claims 15 and 16 involved here, stated:

> We do not regard the product claims patentable, since the milk resulting from appellant's process not only has no properties distinguishing it from the pure milk, but is in fact pure milk if appellant's process has accomplished its intended purpose and removed all contaminations. Appellant has not invented any new product. * * *

The Examiner also rejected claim 15 as readable on natural fruit juice. He stated:

> * * * The fact that the juice has been "extracted" does not impart any new characteristic to the juice. The Examiner, moreover, fails to perceive any difference between cocoanut milk sealed in its shell and "extracted" cocoanut milk sealed in a tin container. Nor, for that matter, does he see any difference in the milk secreted in the mammary glands of an animal and the same milk "extracted" and confined in a manufactured receptacle. It is thought that the Brogdex decision—*American Fruit Growers* v. *Brogdex*, 404 O. G. 1043—is in point. The sealing of the liquid in a container is purely an aggregative step. *Wilson Packing Co.* v. *Chicago Packing Co.*, 1882 C. D. 254.

The Board did not discuss the grounds of rejection of the Examiner except those based on the prior art cited. It did not affirmatively overrule these additional grounds of rejection.

[1] We are in agreement with the decision of the Board that all the process claims were properly rejected on the prior art cited. Since the process does not define invention, the product of the process, which in the claims is defined by the process steps, is also not patentable. *In re McKee*, 25 C. C. P. A. (Patents) —, 95 F.(2d) 264.

In referring to the Board's approval of the rejection of all the claims, appellants stress the fact that—

> "the excessive number of the references relied upon would seem to indicate invention rather than lack of it. Certainly they show that the process was not obvious."

[2] It is our opinion that in treating liquids, such as are intended to be treated by appellants, it would not amount to invention to arrange the steps in the order defined by the appealed claims, since extracting, irradiating (in the manner called for by the claims), cooling and sealing, all in the absence of air, are taught by the prior art. The fact that no single reference shows all the steps and that no reference shows the steps in the exact order named does not change the situation, since, in view of the prior art, what appellant has done would be the obvious thing to do in order to produce the claimed results. *In re Peddrick, Jr., et al.* 18 C. C. P. A. (Patents) 1161, 48 F.(2d) 415, 410 O. G. 813.

The decision of the Board of Appeals is affirmed. Affirmed.

U. S. Court of Customs and Patent Appeals

PEW v. GARD AND ALDRIDGE AND SEGUY

No. 3,992. *Decided June 27, 1938*

[97 F.(2d) 591]

INTERFERENCE—PRIORITY—RIGHT TO MAKE CLAIMS.

Record reviewed and *Held* that the application of the senior party S. disclosed the subject matter in issue and that priority was properly awarded to him since the dates of conception alleged by the junior parties in their preliminary statements were later than the filing date of the senior party's application.

APPEAL from the Patent Office. Affirmed.

Mr. Frank S. Busser for Pew,

Mr. Charles M. Thomas, Mr. Clarence O. McKay, and *Mr. Philip Subkow* for Gard et al.

HATFIELD, *J.:*

This is an appeal in an interference proceeding from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner of Interferences awarding priority of the subject matter defined in the counts in issue—Nos. 1 and 2—to Jean Delattre Seguy, one of the appellees.

The invention in issue relates to a process of cracking mineral oil, and particularly to the drying of oil vapors by suddenly reducing the pressure thereon, in the manner set forth in the involved counts.

Count 1 is illustrative of the appealed counts. It reads:

> 1. The process of cracking a mineral oil charging stock which comprises vaporizing the oil under a substantial superatmospheric pressure, *drying the oil after it has expanded into vapor by suddenly reducing the pressure thereon not less than 50 pounds per square inch to the extent required to bring the temperature above the saturation point for the reduced pressure,* then heating the oil vapors under the reduced pressure to a cracking temperature and cracking the vapors, and then cooling and fractionating the vapors. [Italics ours.]

The interference is between appellant's patent, No. 1,910,812, issued May 23, 1933 on an application, No. 405,871, filed November 9, 1929, and appellee Seguy's application No. 242,554, filed December 3, 1931, a renewal of his application filed December 27, 1927.

Subsequent to the issuance of appellant's patent, Seguy copied claims 1 and 2 thereof in the ex parte prosecution of his application. Those claims correspond to the counts in issue. The Primary Examiner held that Seguy could not make them. On appeal, the Board of Appeals reversed the decision of the Primary Examiner, and held that Appellee could make the claims.

Thereafter, an interference was declared between appellant's patent and appellee Seguy's application. Later the application of Earle W. Gard and Blair G. Aldridge, No. 351,338, filed March 30, 1929, was added to the interference.

Due to the fact that in his preliminary statement appellant's alleged date of conception of the invention was subsequent to the filing dates of appellee Seguy and the parties Gard and Aldridge, and as the preliminary statement of Gard and Aldridge contained an alleged date of conception which was subsequent to the filing date of appellee Seguy, the Examiner of Interferences entered an order against the parties Gard and Aldridge and appellant Pew to show cause why judgment on the record should not be entered against them. The Examiner of Interferences also stated in his order that appellant's alleged date of conception in his preliminary statement failed to overcome the filing date of the parties Gard and Aldridge. Thereupon, appellant and the parties Gard and Aldridge moved to dissolve the interference on the ground that Seguy was not entitled to make the claims constituting the counts in issue. Appellant Pew also moved to dissolve the interference as to the parties Gard and Aldridge on the ground that they were not entitled to make the counts in issue. Those motions were overruled by the Primary Examiner. Appellant and the parties Gard and Aldridge having failed to make sufficient showing why judgment on the record should not be entered against them, the Examiner of Interferences awarded priority of invention of the subject matter defined in the counts in issue to appellee Seguy.

From the decision of the Examiner of Interferences, appellant Pew and the parties Gard and Aldridge appealed to the Board of Appeals, each claiming that appellee Seguy was not entitled to make the counts. No issue as to the right of the parties Gard and Aldridge to make the counts was raised by Pew in his appeal to the Board.

The Board of Appeals affirmed the decision of the Examiner of Interferences holding that appellee Seguy could make the claims constituting the counts in issue, and that he was entitled to an award of priority.

The parties Gard and Aldridge did not appeal to this court from the decision of the Board of Ap-

peals; accordingly, the only parties to this appeal are the appellant Pew and the appellee Seguy, and the sole issue presented by the reasons of appeal is whether appellee is entitled to make the claims constituting the counts in issue.

In the course of its decision, the Board of Appeals made the following statement:

Pew, neither in his notice of appeal nor in his brief, attacks the right of Gard et al. to make the counts. Since he is the only one that has questioned such right below and since the dates alleged in his preliminary statement are subsequent to the filing date of Gard et al., it follows that Pew cannot prevail in this proceeding no matter what our decision may be as to the right of Seguy to make the claims.

Although no motion has been filed in this court to dismiss appellant's appeal, counsel for appellee Seguy have argued at considerable length that, as the issue of priority of invention as between appellant and the parties Gard and Aldridge was not raised by appellant before the Board of Appeals, the Board was clearly right in stating that appellant could not prevail in this proceeding, regardless of Seguy's right to make the counts.

Counsel for appellant contends that no judgment was entered by the Examiner of Interferences awarding priority of invention to Gard and Aldridge as against appellant; that, therefore, it was unnecessary for appellant to raise the issue before the Board of Appeals as to the right of the parties Gard and Aldridge to make the counts; and that, should appellant be awarded priority of invention by this court, the interference will continue in the Patent Office as between appellant and the parties Gard and Aldridge.

Although the Board of Appeals stated in the quoted excerpt from its decision that, as appellant Pew had failed to raise the question of the right of the parties Gard and Aldridge to make the counts and as the date alleged in Pew's preliminary statement for conception of the invention was subsequent to the filing date of Gard and Aldridge, appellant could not prevail, regardless of its decision as to the right of appellee Seguy to make the counts, it, nevertheless, proceeded to determine that issue.

The question raised by counsel for appellee in their brief and in oral argument is an interesting one, but, due to the views we hold with regard to appellee Seguy's right to make the counts, we deem it unnecessary to discuss it.

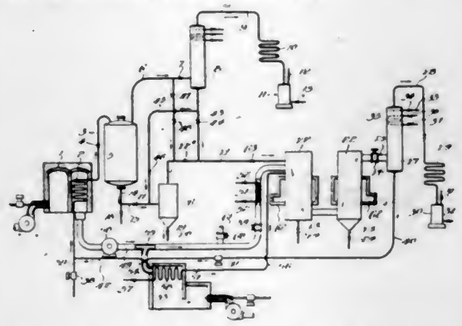
The right of appellee Seguy to make the claims constituting the counts in issue depends upon whether or not his application discloses the second step in the involved process; that is, as stated in the italicized portion of the quoted count, that of—

"drying the oil after it has expanded into vapor by suddenly reducing the pressure thereon *not less than 50 pounds per square inch to the extent required to bring the temperature above the saturation point for the reduced pressure.*" (Italics ours.)

(It should be understood in the consideration of that question, that no mention is made in appellee Seguy's application of "drying the oil after it has expanded into vapor".)

The Board of Appeals was of opinion that the drying of the oil, as defined in the counts, was inherent in appellee Seguy's disclosure.

For the purpose of clarity, we reproduce the drawing in the application of Seguy.



In its decision, the Board of Appeals referred to its decision in the ex parte prosecution of appellee Seguy's application, stated that it had there pointed out the—

"close analogy between the pressure and temperature conditions disclosed in the Pew patent and in the Seguy application and referred to one specific example given in the Seguy application in which a pressure drop at the valve 63 through which the vapors are admitted to the vapor phase cracking chambers [22] is at least 75 pounds,"

and further stated:

We observed that Seguy did not state in his specification that this reduction in pressure caused drying of the vapors but stated that *we considered such action to be inherent in the specifically disclosed operation involving the pressures mentioned in this example.* [Italics ours.]

In further explanation of its views, the Board said:

In the Seguy process a large part of the vapors passing through the line 21 to the vapor phase cracking chambers 22 come from the lines 6 and 47 and pass through the reducing valve 48 in which the pressure reduction is from 350 pounds to 100 pounds per square inch. *Due to this large pressure drop, this part of the vapors would obviously be in a dry condition at the time it enters the line 21.* It is not understood that this fact is disputed by the appellants. While the other part of the vapors coming from the flash chamber 16 is not in an absolutely dry condition, we see no other logical deduction *than that on their mixture with the vapors coming from the line 47 and the further expansion of the mixture at the valve 63 to cause a pressure drop of 75 pounds,* the mixture of vapors passing to the vapor phase cracking chambers 22 will be dried to the extent required to bring the temperature above the saturation point for the reduced pressure. [Italics ours.]

In its decision in the ex parte prosecution of appellee Seguy's application, the Board of Appeals made the following statement:

In one example, it is stated that the pressure in the reaction chamber 5 is 350 lbs., the pressure in the flash chamber 16 is 100 lbs., and the pressure in the vapor phase cracking chambers [22] is 25 lbs. or less. This means that there has been a reduction in pressure at the valve 63 which is at least 75 lbs.

Counsel for appellant contends that the step of drying the oil, as set forth in the involved counts, is not only not mentioned in appellee Seguy's application, but that it is not inherent in his disclosure, and that Seguy had no conception of the involved invention at the time of the filing of his application. It is argued by appellant's counsel that the burden was upon appellee Seguy to establish that the invention is inherent in his disclosure, and that all that it is necessary for appellant

to do is to refute such argument as may be advanced by Seguy to show that he is entitled to claim it. If we go only so far as to show that there is a substantial doubt whether in any of Seguy's possible operations the pressure drop at valve 63 will be "to the extent required to bring the temperature above the saturation point for the reduced pressure," we believe we are doing all that is incumbent upon us to do.

Counsel for appellant cited no authorities in support of his argument that the burden was upon appellee Seguy to demonstrate his right to make the counts.

Appellant is the junior party and the burden was upon him to establish priority of invention by a preponderance of the evidence.

Having alleged a date of conception long subsequent to appellee Seguy's filing date, appellant raised the ancillary issue of Seguy's right to make the counts by filing a motion to dissolve the interference. If the involved invention is inherent in Seguy's disclosure, as held by the Board of Appeals, he is entitled to make the counts. The issue of inherency was raised by appellant's motion to dissolve the interference. Accordingly, the burden was upon appellant, the moving party, to establish that the invention is not inherent in Seguy's disclosure. *Coast, Jr.*, v. *Dubbs*, 24 C. C. P. A. (Patents) 1023, 88 F.(2d) 734, 483 O. G. 719. See also *Frank D. Williams* v. *Max Handschiegl*, 18 C. C. P. A. (Patents) 1176, 48 F.(2d) 395, 397; 410 O. G. 817; *Harold J. McCreary* v. *Vladimir K. Zworykin*, 19 C. C. P. A. (Patents) 990, 997, 55 F.(2d) 445, 419 O. G. 570; *Doherty* v. *Dubbs*, 21 C. C. P. A. (Patents) 807, 813, 68 F.(2d) 373, 442 O. G. 808.

The Board of Appeals expressly called attention to the fact that appellant submitted no evidence to establish that the involved process is not inherent in appellee Seguy's disclosure.

In this court, counsel for appellant has presented argumentative matter, technical in character, as a substitute for evidence in an effort to demonstrate that the Board of Appeals erred in holding that a pressure drop of 75 pounds at valve 63 in appellee Seguy's disclosure would be sufficient to dry the mixture of vapors passing to the vapor phase cracking chambers 22 "to the extent required to bring the temperature above the saturation point for the reduced pressure", as stated in the counts.

In his application appellee stated that—

Another method of operating the invention would be to *close the valves 7, 44 and 46 and pass all of the vapors through line 47, using the valve 48 as a pressure reducing valve.*

* * * * * * *

In all of the various methods above referred to, the oil may be subjected to a pressure of say 200 lbs. or more in the coil 2 and the chamber 5. The pressure in the chamber 16 and the dephlegmator 8 and the chambers 22 and the dephlegmator 27 and its associated parts may be substantially lower than the pressure in the coil—say from 100 lbs. down to atmospheric pressure. *Another manner of carrying out each of the foregoing methods would be to have a pressure of say 350 lbs. on the coil 2 and chamber 5, a pressure of say 100 lbs. on the chamber 16 and dephlegmator 8 (in case the latter is not cut out of the system) while by regulating the reducing valve 63 on line 21 from 25 lbs. say to atmospheric pressure may be maintained on the chambers 22 and dephlegmator 27, or if desired, in the last mentioned case, a vacuum may be maintained in the chambers 22 by connecting a suitable vacuum pump, not shown, to the receiver 30.*

In carrying out any of the methods above described, the degree of cracking in the liquid-vapor phase part of the system, to-wit, in the coil 2 and chamber 5, may be independently controlled relative to the degree of cracking in the vapor phase cracking chambers 22. Transfer temperature in the coil 2 may be say 850° F., more or less, while the temperature in the chambers 22 may be 1000° F. more or less. [Italics ours.]

The Board of Appeals held, and correctly so we think, that, in one of the methods suggested in appellee Seguy's application of operating his oil cracking system, oil is subjected to a pressure of 350 pounds in coil 2 and chamber 5. Oil vapors from chamber 5 pass through vapor line 6 through branch 47 into reducing valve 48, where the pressure is reduced from 350 pounds to 100 pounds per square inch. The vapors then pass into line 21, where they are mixed with wet vapors from chamber 16. The mixed vapors pass through reducing valve 63, where they are subjected to a reduction in pressure of at least 75 pounds per square inch. They then pass to the vapor phase cracking chambers 22.

That the operation thus described is disclosed in appellee Seguy's application, is not seriously questioned by counsel for appellant.

The Board further held that, due to their having been subjected to a sudden reduction in pressure from 350 pounds to 100 pounds per square inch in reducing valve 48, the oil vapors passing from branch 47 into line 21 were in a dry condition (this holding is not questioned by counsel for appellant), and that, by mixing the wet vapors from chamber 16 with the dry vapors from branch 47 and subjecting the mixture to a reduction in pressure of at least 75 pounds in reducing valve 63, the mixed vapors would be dried "to the extent required to bring the temperature above the saturation point for the reduced pressure", as called for in the appealed counts.

Counsel for appellant contends that the subjection of the mixed vapors to a sudden reduction in pressure of 75 pounds per square inch in reducing valve 63 would not dry them to the extent called for in the involved counts.

We have heretofore called attention to the fact that counsel for appellant has submitted no evidence in support of his contention, but relies entirely upon arguments, technical in character, to demonstrate the correctness of his position.

Whether subjecting the mixed oil vapors to a sudden reduction in pressure of 75 pounds per square inch in reducing valve 63 is sufficient to dry them to the extent called for in the involved count is a question of fact, and the burden was upon appellant to establish that such reduction in pressure was not sufficient to dry them to the extent required. Counsel for appellant having failed to introduce any evidence on the subject, and as it does not appear to us from a consideration of the facts of record and the arguments of counsel that the Board of Appeals erred in holding that by mixing the wet and dry vapors in line 21 and then subjecting the mixed vapors to a reduction in pressure of 75 pounds in reducing valve 63 they would be dried to the extent called for in the involved counts, we must hold that appellee Seguy is entitled to make the claims constituting the counts in issue.

It may be said in conclusion that, in our consideration of the issues, we have assumed that the contention of counsel for appellant relative to the

meaning of the involved counts is correct; that is, that the counts call for a sufficient reduction in pressure on the oil vapors "to bring the temperature above the saturation point for the reduced pressure".

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE REINDERS

No. 4,064. Decided June 27, 1938

[97 F.(2d) 635]

PATENTABILITY—PROCESS OF PRODUCING HYDROGEN PEROXIDE.

Claims for the process of producing hydrogen peroxide *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Oscar Codier for Reinders.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 15 to 19, inclusive, in appellant's application for a patent for an alleged invention relating to a process for producing hydrogen peroxide.

Claim 15 is illustrative of the appealed claims. It reads:

15. Process for producing hydrogen peroxide from a solution of a persulphate which yields hydrogen peroxide through hydrolytic action, which process comprises heating said solution and vaporizing hydrogen peroxide therefrom by conducting an alternating electric current through said solution in thin layer form under an absolute pressure of about 5 to 150 millimeters of mercury.

The references are: Keep et al., 1,507,120, September 2, 1924; Baum, 1,688,679, October 23, 1928; Löwenstein, 1,851,961, March 29, 1932; Boedecker et al., 1,937,682, December 5, 1933.

In carrying out appellant's process a persulphate solution is introduced into a glass or quartz vessel and caused to flow upwardly therein over so-called "contact bodies", which are composed of glass, quartz, or acid-proof earthenware and may be of various shapes. The vessel and contact bodies are non-conductors of electricity, and have no catalytic effect upon the solution being treated. The purpose of the "contact bodies" is to cause the persulphate solution to form into thin layers or sheets. The solution is heated by passing an alternating electric current through it as it flows upwardly through the vessel. Appellant states in his application that the heat must be sufficient to cause hydrolysis of the persulphate solution, and, with the aid of steam if necessary, complete distillation of the hydrogen peroxide.

It is unnecessary to further describe the apparatus used by appellant in carrying out his process, as the real issue in the case is whether, in view of the prior art, using an alternating electric current to heat the persulphate solution involves invention.

The reference patent to Keep et al. relates to a process for heating and distilling liquids, and an apparatus therefor. It discloses a process for distilling, concentrating, and purifying crude solutions of sulphuric acid, nitric acid, hydrochloric acid, and the like in earthenware, porcelain, or other refractory non-conductive material by means of an electric current. In his specification the patentee states that the heating of the acid is accomplished—

"by passing a low voltage *alternating electric current* through the acid" in a retort between electrodes; that the rate of heating may be regulated by varying the voltage of the current, or by varying the depth of the acid in a portion of his retort; that such process may be carried out without substantial electrolysis or decomposition of the liquid; and that the invention was of general application, and might be used for the *"heating or distillation of any liquid which is a conductor of electricity."* [Italics ours.]

The reference patent to Baum relates to a process for heating liquids by electrical energy. In the patentee's process a uniformly spread liquid is caused to pass downwardly over porous or non-porous contact bodies placed between two electrodes, and an electric current is passed between the electrodes for the purpose of heating the liquid. The patentee states in his specification that the invention might be used for—

"any purpose and particularly for distillation, concentration or provocation of chemical reactions, etc.";

that the—

"process admits of a great variety of applications";

that—

"solutions of all kinds can be reduced";

and that—

"mixtures of liquids separated and reactions (saponification for instance) carried out, whereby, in every instance, the highest possible theoretical output not only of material but also of thermic effect is nearly obtained. The process enables one likewise to effect the highest possible energy and heat concentrations respectively."

The reference patent to Löwenstein relates to a process for producing hydrogen peroxide from aqueous solutions of persulphates. The patentee's process is carried out by externally heating a distilling chamber, containing the solution to be heated, by means of steam, hot liquids, or waste combustion gases. The solution is, therefore, heated indirectly, and the vapors are drawn off through a separator, into a condenser, and then into a "receiver" by means of a vacuum pump. The patentee states that a pressure of from 20 to 40 millimeters will give good results.

The reference patent to Boedecker et al. relates to a method of producing hydrogen peroxide from a solution of ammonium persulphate, and discloses a process of both indirect heating with steam, as disclosed in the patent to Löwenstein, and direct heating with steam. In the patentees' process a solution of ammonium persulphate is, as stated in their specification, "finely subdivided" by superheated steam having a temperature of about 220° C. "under a pressure of 5 atmospheres", and, at the same time, indirectly heated by steam by means of a steam jacket surrounding the pipe through which the solution is conducted. The vapors from the persulphate solution thus heated pass through a chamber of ceramic material, where the hydrogen peroxide vapors are separated from the liquid.

The appealed claims were rejected by the Patent Office tribunals on either the reference patent to Boedecker et al. or Löwenstein, in view of either of the reference patents to Baum or Keep et al.; the Primary Examiner stating that it did not involve invention to—

"utilize electric heating as taught by Baum or Keep et al.,"

and that—

"a patent cannot be granted for every material in the treatment of which the apparatus of Baum, for example, is found advantageous."

In affirming the decision of the Primary Examiner, the Board of Appeals stated in its decision that every step in appellant's process was disclosed in the prior art, although not in any one reference, and that the only question for decision was whether it involved invention to heat a solution of persulphate by means of an alternating electric current in the production of hydrogen peroxide. In this connection, the Board said:

Each of the patents to Baum and Keep et al. shows that it is possible to heat the liquid by electrical means, but in the making of hydrogen peroxide, apparently no effort was made insofar as the prior art before us is concerned to utilize electrical heating.

In addition to the reference patents, the record contains two other patents introduced by counsel for appellant for the purpose of showing that the references relied upon by the Patent Office tribunals did not teach those skilled in the art of producing hydrogen peroxide that a persulphate solution could be heated by an alternating electric current as disclosed in appellant's application. Those patents are Baum, No. 1,854,327, issued April 19, 1932, on an application filed July 10, 1928, and Tucker et al., No. 2,028,481, issued January 21, 1936, on an application filed July 29, 1933.

The last-mentioned patent to Baum relates to a process for making hydrogen peroxide, and discloses improvements over the prior art. The patentee, however, uses steam for heating the persulphate solutions.

The patent to Tucker et al. discloses an improved method of manufacturing hydrogen peroxide from persulphate solutions. The patentees disclose the use of steam for the heating of the solutions.

It is pointed out by counsel for appellant that neither of those patents suggests the use of electrical energy in a process for making hydrogen peroxide, and emphasis is placed upon the fact that the patent to Baum introduced in evidence by counsel for appellant and the reference patent to Baum were evidently issued to the same person. Counsel for appellant states that, although the patentee Baum disclosed the use of electrical energy in heating liquids in his reference patent, No. 1,688,679, issued October 23, 1928, on an application filed October 15, 1925, it clearly was not obvious to him that hydrogen peroxide could be produced by heating persulphate solutions with electrical energy, because, on July 10, 1928, he filed an application for a process for producing hydrogen peroxide in which the use of electrical energy was not suggested, which application matured into Patent No. 1,854,327 on April 19, 1932. Counsel further argues that, so far as the production of hydrogen peroxide is concerned, the prior art discloses the use of steam only as a heating element, and that the prior art processes had disadvantages which appellant's process has overcome.

It is claimed in appellant's application that when steam is used directly to heat a persulphate solution, the hydrogen peroxide produced is somewhat unfavorably affected by impurities in the steam; that those impurities act catalytically to cause decomposition of the hydrogen peroxide; and that the hydrogen peroxide vapors are excessively diluted by the steam: that when steam is used indirectly to heat the persulphate solution, the heat exchange must take place through a material which is a good conductor of heat, such, for example, as lead, and that such materials have a catalytically decomposing effect upon the hydrogen peroxide.

Counsel for appellant argues that the disadvantages above set forth were well-known in the art, as appears from the patents to Baum and Tucker et al. which he introduced in evidence, and that appellant has overcome those disadvantages by using an alternating electric current instead of steam to heat the persulphate solution.

It is true that neither Baum nor Tucker et al. filed an application for a patent for appellant's process, and that they disclosed steam as the heating element in the patents introduced in evidence by counsel for appellant; however, the argument of counsel for appellant that neither of those patentees recognized at the time their applications were filed that hydrogen peroxide could be produced by heating persulphate solutions by means of electrical energy is mere conjecture.

The reference patent to Keep et al. clearly teaches the use of an alternating electric current in the *"heating or distillation of any liquid which is a conductor of electricity"*. [Italics ours.]

The reference patent to Baum teaches the use of an electric current to heat a uniformly spread liquid for distillation or concentration purposes, and teaches that all mixtures can be reduced by his process.

Surely, in view of the teachings of the reference patents, it would not require the exercise of the inventive faculties to heat a persulphate solution by passing an alternating electric current therethrough, and discover that by so doing hydrogen peroxide could be successfully produced.

It is true, as argued by counsel for appellant, that in appellant's process the persulphate solution is under certain stated pressures. However, the use of pressures within the range specified in the appealed claims is shown to be old in the reference patents to Boedecker et al. and Löwenstein.

We are of opinion that the tribunals of the Patent Office reached the right conclusion.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE HEGAN

No. 3,959. Decided June 6, 1938

[97 F.(2d) 86]

1. PATENTABILITY—LIMITATIONS NOT IN THE CLAIM NEED NOT BE CONSIDERED.

Held to be well settled that, "while claims are to be read in the light of the specification, limitations *not in the claim* need not be considered even though the application disclosure would support such limitations."

2. SAME—FILTERING MEDIUM FOR AIR FILTERS.

Certain claims relating to a filtering medium for air filters *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. Arthur F. Robert for Hegan.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.*:

By appeal there is here brought before us for review the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner rejecting three claims, numbered, respectively, 15, 16, and 17, of appellant's application for patent relating to "Filtering Medium for Air Filters". Two claims of the application, numbered, respectively, 13 and 14, stand allowed. The rejected claims read:

15. A gas filtering element consisting of corrugated wire in strand form.

16. A filtering medium consisting of a mass of corrugated wire in strand form.

17. A filtering medium consisting of corrugated wire in strand form arranged in a mass to define a maze of tortuous gas filtering passages.

Appellant, in his specification and drawings, discloses a filter cell having a frame work with screens. In the interior of the cell there is a space adapted to be filled with corrugated wire. The figure illustrative of the wire shows a strand crimped to form small corrugations, the strand so crimped being again crimped in a manner to superimpose larger corrugations upon the smaller. In other words, the strand is doubly crimped, or corrugated.

The brief of the Solicitor for the Patent Office states that rejection was based "on grounds involving res adjudicata and want of patentability over the prior art". The prior art reference cited is a patent to Lucien C. Cruyt, 1,450,951, April 10, 1923. This patent relates to a wet-filter screen having a frame filled with a smooth non-porous material tangled into a spongiform mass. The specification of the patent teaches:

Some suitable materials for this purpose [forming the spongiform mass] are metal wire, round or ovalized, metal ribbons and glass or celluloid filaments or ribbons.

A figure of the patent drawings discloses the wire in looped form.

In view of the grounds of rejection, a brief recital of the history of the prosecution of the application is in order.

The record does not contain all the actions affecting the application. It is deducible from it, however, that the application was filed June 30, 1926, many claims being presented; that all the claims were rejected by the Examiner; that appeal was taken to the Board of Appeals from the rejection of claims, numbered 6 to 14, inclusive, and that the Board affirmed the decision of the Examiner as to claims 6 to 12, inclusive, but reversed as to claims 13 and 14. The decision of the Examiner from which that appeal was taken does not appear in the record. The decision of the Board, rendered December 29, 1931, is in the record. The record contains nothing respecting any further action in the case until March 20, 1936. The brief on behalf of appellant, however, supplies the following information which it is deemed permissible to quote:

After the Board's first decision, suit was filed against the Commissioner of Patents in the Supreme Court of the District of Columbia to compel the issuance of a patent containing the rejected claims. This suit was dismissed in May, 1935, and thereafter the rejected claims [1–12] were cancelled, and the application allowed, forfeited, and finally, on March 20, 1936, renewed with new claims 15–17 inclusive.

The "first decision", so referred to, is that of December 29, 1931. In that decision, claim 6 was rejected as being "so broad that it does not properly define appellant's invention." No issue respecting that claim or the relation of the ground of its rejection to the claims on appeal is involved here. So, it need not be further regarded.

The Board's discussion of the remainder of the claims rejected in that decision (7–12, inclusive), reads:

Claims 7 and 8 merely call for a strand of wire adapted to be employed as a filtering medium and in our opinion the structure of a strand of wire having a certain crimping or corrugation does not properly define appellant's invention. We also believe that in a broad sense the loops of Cruyt may be regarded as crimps. For the last stated reason we consider that claims 9, 10, and 11 do not properly distinguish over Cruyt. Claim 12 does not call for a tangled mass and might involve nothing more than a mass of woven wire screens and it is clear that the wire of these screens would be corrugated.

In the statement of the Examiner following the appeal to the Board respecting the claims here involved, claims 7–12, inclusive, were quoted as follows:

7. A strand of wire having a multitude of short small crimps and adapted to be crinkled into a mass for use as a filtering medium.

8. A strand of wire having a multitude of small corrugations and adapted to be bent upon itself to form a filter medium.

9. A filter medium comprising a mass of crimped wire.

10. A filter medium comprising wire preformed with small crimps and arranged in a tangled mass.

11. A filter medium comprising wire preformed with small crimps and crinkled into a mass.

12. A filter medium comprising a mass of corrugated wire.

The Examiner's statement then quoted the above excerpt from the Board's decision of December 29, 1931, and continued:

Since claims 15, 16, and 17 were not deemed to distinguish patentability over claims 7–11 previously rejected by the Board, they were rejected finally for the reasons given by the Board in the above quoted paragraph.

Claim 15 is closely similar to old claims 7 and 8. Its language is almost identical to that of claim 8.

Old claims 9–11 recited a mass of crimped wire. Claim 10 specified that the crimped wire was arranged in a tangled mass. New claims 16 and 17 call for a mass of corrugated wire in strand form. Cruyt's wire clearly is in strand form and the Board held that in a broad sense his loops may be regarded as crimps. They therefore similarly may be regarded as corrugations for the terms, at least as applied to wire, appear to be synonymous. Cruyt's metal wool is "tangled into a spongiform mass". Page 1, line 85.

Claims 16 and 17 also are closely similar to old claim 12, claim 16 adding to the old claim only the statment that the wire is "in strand form". The Board stated that the structure of claim 12 "might involve nothing more than a mass of woven wire screens and it is clear that the wire of these screens would be corrugated". It also seems clear that the wire of these screens would be in "strand form", the insertion to the specification to the contrary notwithstanding. It also will "define a maze of tortuous passages" as added in claim 17.

The Board, passing upon the here appealed claims, said:

For reasons analogous to those stated by us in the other decision [December 29, 1931], we believe that all of the appealed claims do not define appellant's invention because they are so broad as to read upon a corrugated strand of wire woven into a fabric and the fabric employed as a filter. Claims 16 and 17, of course, would require a plurality of fabrics assembled together to form a mass. We believe, therefore, that none of the appealed claims properly defines appellant's contribution.

We are of the opinion that the claims on appeal here are not patentably distinguishable from the subject matter of claims 7 to 12 finally rejected and cancelled from the application, as has been recited. Also, we are of the opinion that when the claims are broadly construed under the general rule that, as stated in the brief for appellant,

"• • • each claim should be given the broadest meaning which can be imposed upon it without violence to the language used in it."

the claims are not patentable over the cited art.

As we interpret the brief for appellant, this is virtually conceded, but appellant argues, in substance, that the purpose of this general rule is to prevent indefiniteness in the meaning of claims; that definiteness is insured in this case by a special definition, which, it is urged, was set forth in an amendment to his specification at the time of his renewal of the application; that this definition avoids the application of the general rule which is not inflexible; that the Board should have invoked exception to the general rule, and, lastly, that "Claiming difficulty merits exception to general rule". No authorities are cited by appellant in support of the foregoing contention, it being said that no "authority has been discovered which either directly supports or refutes" the position taken as to the avoidance of the general rule by specific definition.

The amendment to appellant's specification alluded to above reads:

It is to be further understood that the term "corrugated wire in strand form" is intended to denote free strands of wire as distinguished from strands which are woven or knitted together in screen or like form.

[1] Whatever of limitation there may be in this definition, such limitation does not appear in the appealed claims and it is well settled that, while claims are to be read in the light of the specification, limitations not in the claim need not be considered even though the application disclosure would support such limitations.

So far as appellant's application is concerned, no question is raised as to it supporting the claims at issue. The difficulty is that their breadth brings them in conflict with the prior art. The allowed claims contain certain limitations which the Board held rendered them patentable, even before appellant had inserted the defining amendment in the specification. In the case of *In re Buckwalter*, 22 C. C. P. A. (Patents) 1031, 75 F.(2d) 515, 457 O. G. 480, we said:

As has been so often said, the claim is the measure of the invention, and if appellant's claims were so broadly drawn as to read upon the prior art, we know of no rule which would authorize the tribunals of the Patent Office, or the courts, to read limitations, based upon extraneous arguments, into them.

Appellant's argument respecting "claiming difficulty" is to the effect that the nature of his invention renders difficult the formulation of claims which clearly define the invention and set it apart from the prior art and that this should be taken into consideration and an exception made to the general rule. As stated, no authority was cited in support of this position and we have found none. The statute (R. S. 4888, 35 USCA, § 33,) requires that an inventor—

"• • • shall particularly point out and distinctly claim the part, improvement, or combination which he claims as his invention or discovery."

As to the allowed claims in this case, appellant obviously was able to comply with the statutory requirement. One can appreciate the difficulty which appellant had in trying to draw broad claims which would not read on the prior art, the difficulty being that when broad, at least as here expressed, they do conflict with that art.

In oral argument appellant discussed the matter of nonanalogous art, seeking to distinguish from the Cruyt patent upon that basis. By permission of the court, a supplemental memorandum was filed citing authorities upon this question. These authorities we have examined with interest, but, in our view, there is not a remoteness between the art of the application and the art of the patent which renders them applicable here.

[2] In view of our conclusion as to the claims being anticipated by the prior art, it is unnecessary to consider the question of res adjudicata suggested in the brief of the Solicitor for the Patent Office.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE FISCHER

No. 3,971. Decided June 27, 1938

[97 F.(2d) 620]

PATENTABILITY—CONSTRUCTION UNITS.

Certain claims for a method of making construction units *Held* properly rejected for lack of support by applicant's disclosure and other claims *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Albert F. Robinson for Fischer.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Examiner rejecting claims 1 to 15, inclusive, of appellant's application for a patent. Certain claims were allowed by the Examiner.

Certain of the claims were rejected for want of disclosure in the application as originally filed, and certain of them were rejected upon the ground of lack of patentability over the prior art.

Claims 1 and 12 are illustrative and read as follows:

1. The method of making construction units which comprises extruding plastic material into a continuous sheet of irregular thickness transversely, subjecting same

to pressure means, and thereafter dividing the continuous sheet into units.

12. A continuous method of making construction units comprising mixing together a bituminous binder and filling material in a warm plastic mass, feeding the mass to an extruding device while in a warm plastic condition, heating the extruding device, and then extruding said mass into sheets of desired form except as they may be cut in various lengths.

The reference cited is: McCool, 1,427,831, September 5, 1922.

The application relates to extruding sheet material, and the general subject matter is described by the Board of Appeals as follows:

The subject matter on appeal relates to a method of making construction sheet material and comprises three steps: first, feeding a warm plastic material to an extrusion device to form a relatively thick continuous sheet; second, immediately thereafter subjecting the strips to pressure means to reduce to an ultimate thickness; third, thereafter dividing same into units.

The patent to McCool relates to a method of making bricks, and the process is described by the Board of Appeals in its decision as follows:

McCool describes a method of making bricks. The brick is formed of finely divided organic or woody aggregate united into a solid mass by a bituminous binder. The raw materials are placed in a mixer, which is heated to a certain degree, to make the material plastic and yet not sticky or viscous, so that it will generate pressure necessary for die working and then passed through a heated die and to a cutter. The material is cooled and after cutting to brick size, put into a press to form the final brick.

The history of appellant's application is stated by the Examiner as follows:

This is a renewal application. Before renewal claims 11 and 12 were finally rejected on McCool and claims 5 to 10 were allowed. Claim 13 was entered for appeal. The Board of Appeals affirmed the rejection (paper No. 15). The Board stated "nor is the third step of severing the material described and the claims are therefore not supported by the disclosure. The claims are rejected additionally for this reason." This additional rejection returned the prosecution to the Examiner. As this additional rejection of claims 11, 12, and 13 applied as well to allowed claims 5 to 10, the Examiner on May 5, 1933, requested jurisdiction for the purpose of applying such rejection to claims 5 to 10. The request was refused. On appeal from the final rejection of claims 11, 12, and 13 on the new ground, the Board (paper No. 30) reconsidered its prior action in toto and affirmed the final rejection of the claims on all grounds. Thereafter, applicant having cancelled claims 11, 12, and 13, the case was passed to issue on October 20, 1934, with 6 claims, the claims 5 to 10 being renumbered from 1 to 6. On April 17, 1935, applicant renewed the application and at the same time added claims 7 to 10. All of the claims were then rejected (paper No. 34) on the one ground raised by the Board as an additional ground in its decisions dated December 29, 1932 (paper No. 15) and affirmed by it on April 11, 1934 (paper No. 30). In his response, applicant added claims 11 to 21 (paper No. 35). On October 31, 1935 (paper No. 36), claims 1 to 15 were finally rejected and claims 16 to 21 were allowed.

Claims 1 to 10, inclusive, of the renewal application were rejected upon the ground that they are not properly supported by appellant's original disclosure. Each one of these claims includes the step of dividing a continuous sheet into units as a final step in the method. The only basis for this step found in appellant's disclosure is the statement therein that one of the special features of the invention is—

"the extrusion of pipe coverings, rail fillers, blocks and sheets of varying thicknesses thru an extruder as described, without further reduction *except as they may be cut in various lengths.*" [Italics ours.]

The Board of Appeals held that this statement was too indefinite to support a positive step of cutting the material into various lengths.

We are in agreement with this view. Appellant claims that the element of cutting the sheet in various lengths is of no patentable significance, as the feature is well known in the art and is disclosed in the McCool patent; that the only significance of this element is to indicate the sequence of the process steps, thus distinguishing the claims from the prior art.

Inasmuch as appellant's specification does not disclose cutting the sheets as a positive element of his invention, it is our opinion that these claims are not allowable. If these claims were allowed and an interference between appellant and some other inventor were declared on these or similar claims, said other inventor having disclosed the cutting of the sheets as a positive element, it seems to us that, under the well established rule that all limitations in claims are deemed to be material limitations, it would necessarily be held that appellant could not make such claims because of lack of disclosure in his specification of the element of cutting the sheets in lengths.

Claims 7 to 10, inclusive, were also rejected on the patent to McCool. Inasmuch as we affirm the action of the Patent Office tribunals in the rejection of these claims upon the ground of lack of disclosure in appellant's specification, it is unnecessary to consider this additional ground of rejection of these claims.

Claims 11 to 15, inclusive, omit the cutting into lengths as a positive element in the process, and also omit subjecting the sheet to pressure after extrusion, set forth as positive elements in claims 1 to 10, inclusive. The Board of Appeals stated, with respect to claims 11 to 15, as follows:

Claims 11–15 omit the positive step of cutting the sheet into lengths and rely for patentability on the step of retaining the plastic material warm while subjecting to extrusion as disclosed by McCool, in whose patent the material is heated in chamber 15 and extruded through the die 23. These claims are clearly unpatentable.

While it is true that McCool states that his initially heated bituminous material is allowed to cool and is then reheated when put through the extruder, we see nothing inventive in omitting this initial cooling step. It is clear from reading the McCool patent that cooling the initially heated bitumen was beneficial, and there is nothing in appellant's specification to indicate that appellant was of the opinion that there was anything inventive in omitting the cooling of the initially heated material. His specification states:

The material which is thus extruded can be first mixed in suitable mixers which may be steam-heated or not, as required, and the mixture then conveyed to the extruder. Where an extremely wet mixture is made, the surplus liquid may first be drained off and then the batch placed in the extruder, the pressure draining off additional liquid when pressing thru the die or nozzle.

In the first process I prefer to use heated, plastic material, which may be in a flowable or non-flowable condition, and in which the binder is preferably bituminous material of a high melting point asphalt. • • •

In McCool a die is attached to the extruder, and both the extruder and die are heated to the critical temperature necessary to render the material sufficiently plastic to be worked, and the material is "simultaneously shaped into brick or other forms".

We think the Board of Appeals came to the correct conclusion, and its decision is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

KINDELMANN, PEARLMAN AND OSTRANDER
v.
MORSBACH AND RASCHKE

No. 3,995. Decided June 27, 1938

[97 F.(2d) 796]

INTERFERENCE—PRIORITY.

Record reviewed and *Held* that both the interfering application of M. and R., the senior party, and their German application filed less than twelve months prior, support the claims in issue and that since no testimony was taken priority was properly awarded to them.

APPEAL from the Patent Office. Affirmed.

Messrs. Emery, Varney, Whittemore & Dix (*Mr. Howard W. Dix, Mr. William R. Glisson, Mr. H. W. Baker, Mr. J. Austin Stone, Mr. J. Hanson Boyden* and *Mr. Carl T. Mack* of counsel) for Kindelmann et al.

Messrs. Bailey & Larson (*Mr. Roberts B. Larson* and *Mr. Jennings Bailey, Jr.*, of counsel) for Morsbach et al.

LENROOT, *J.:*

This appeal brings before us for review a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Examiner of Interferences which awarded priority of invention to appellees with respect to two counts forming the entire issue of the interference. Said counts read as follows:

1. In a film magazine, the combination of a take-up spool on which film is to be wound, a gate-plate past which the film is to be fed before it reaches the take-up spool, a plate extending from the adjacent end of the gate-plate to a point near the take-up spool, said plate lying closely adjacent the wall of the magazine and forming a passage along which the film passes, the end of the latter plate adjacent the take-up spool being of a predetermined flexibility, the film passing over this flexible end and being automatically maintained in a state of uniform tension as it is wound up on the take-up spool.

2. In a film holder for motion picture apparatus including a film gate, a guide channel through which the film is moved to said gate by intermittently actuated feeding means, a winding-off spool and a winding-on spool, that improvement, which comprises a resilient member forming a continuation of the inner wall of said guide channel, said member being rigidly fastened in position at the end toward said film-gate and being free at the end toward one of said spools, and being adapted to coincidentally guide the film and to alternately shorten and lengthen successive portions of the film between the guide channel and one of said two spools.

The interference arises between an application of appellants filed on December 17, 1931, and an application filed by appellees on June 4, 1931. Appellees are therefore the senior parties, and the burden was upon appellants to establish priority of invention by a preponderance of evidence.

The involved invention relates to a film magazine for use in a motion picture camera. The general subject matter of the invention is described in appellants' brief as follows:

The invention in issue relates to a film container or magazine which is adapted to be placed in a motion picture camera to avoid loading and threading film in the camera in the usual way. The container carries both a supply spool and a take-up spool, so that the film is at all times carried by the container. The inventive novelty resides in the combination and arrangement in the container of the supply and take-up spools, certain film adjusting springs, a film gate or gate-plate, and in the Kindelmann construction certain additional guides between the gate or gate-plate and the springs.

Both parties filed preliminary statements. Appellants alleged conception of the invention on or about April 25, 1931, disclosure to others on or about April 27, 1931, and actual reduction to practice on or about May 10, 1931.

Appellees alleged that they were citizens of Germany and made the involved invention in that country; that on August 26, 1930, an application was filed in Germany for a patent for the invention; that knowledge of said invention was introduced into the United States in May, 1931, through instructions from appellees' assignee in Germany to a firm of attorneys in New York, soliciting their services in procuring a patent for the invention in the United States.

No testimony was taken by either party.

During the motion period under the rules of the Patent Office, appellants moved to dissolve the interference upon three grounds, viz., that appellees have no right to make the counts, that the counts are not patentable over the prior art, and that one Edwin S. Porter of New York was the original inventor of the device embraced in the counts.

This motion was denied except that, as to count 1, the Primary Examiner held that appellees had no right to make it and that the motion as to said count should be granted.

Appellees appealed to the Board of Appeals from that part of the decision which granted appellants' motion to dissolve as to count 1. The Board of Appeals reversed the decision of the Examiner upon said count 1 and held that said count was supported by appellees' disclosure.

Prior to the rendering of said decisions by the Primary Examiner and the Board of Appeals, appellees moved for judgment upon the record awarding priority to appellees by virtue of appellees' filing date of their German application, August 26, 1930, which was earlier than the earliest date alleged by appellants for conception of the invention.

After said decision of the Board of Appeals, proceedings were resumed by the Examiner of Interferences, and appellees' motion for judgment upon the record was granted, said Examiner holding that the counts are supported by appellees' German application.

Appeal was taken to the Board of Appeals, and the decision of the Examiner of Interferences was affirmed. Said board held that both appellees' instant application and their German application support the counts here involved.

There were several motions made by appellants during the course of the interference, in addition to the motion to dissolve, but as no error is assigned in the reasons of appeal with respect to the decisions upon such motions, they will not be further referred to by us.

Two questions are presented for our determination:

1. Whether appellees have the right to make the claims corresponding to the counts, and

2. Whether appellees' German application supports the counts.

The controversy arises over the meaning of the term "gate-plate" used in count 1, and "film gate" used in count 2.

Count 1 originated in appellants' application, and count 2 originated in the application of appellees.

With respect to the element termed "gate-plate" in count 1, the Board of Appeals in its decision stated:

As to the right of Morsbach et al. to make count 1, attention is directed to our decision of October 2, 1935, (paper No. 37) which is adopted herein. In that decision we said:

"In Kindelmann et al. the stationary guide plate 28 located at the exposure aperture and past which the film travels in its passage from the supply spool 13 to the take-up spool 15 is described as the gate-plate. • • •

"It is believed the corresponding stationary guide plate in the Morsbach et al, application may fairly be regarded as a gate-plate in the sense in which this expression is used in the Kindelmann et al. application."

Kindelmann et al. urge such reading requires a double inclusion of elements, since Morsbach et al. have only one member 9, 10 which may not be considered both as a gate-plate and as "a plate extending from the adjacent end of the gate plate to a point near the take-up spool". It is true that in the Kindelmann et al. application the two plates are formed separately and then mounted in end-to-end relation in the magazine. The count is of sufficient breadth, however, to include a construction in which the two plates are integrally united, or formed of a single member, as in the Morsbach et al. application. The two constructions function in the same manner and we are still of the opinion that it is proper to consider that portion of the Morsbach et al. unitary member 9, 10 which is located at the exposure aperture as a gate-plate and its right hand end portion as the second plate recited in the count.

We are in accord with the foregoing views of the Board of Appeals. While appellees do not disclose, as do appellants, two separate members, one comprising the gate-plate and the other "a plate extending from the adjacent end of the gate-plate to a point near the take-up spool", we call attention to the specification of appellants wherein it is stated, after reciting certain disadvantages of the prior art, as follows:

The herein invention has eliminated these disadvantages by the provision of a simple, compact unit which can be economically manufactured and placed within the magazine without any substantial alteration of the magazine construction. *This unit may be of one piece or formed of separate elements* but in either case it comprises means for controlling the lateral edges of the film as it is wound up on the take-up spool and also includes means for maintaining in the film during its wind-up as uniform a tension as possible. [Italics added.]

We are of the opinion that the construction disclosed by appellees functions substantially in the same manner as the construction disclosed by appellants, and under the well-established rule that counts in an interference should be construed as broadly as their terms will reasonably permit, it should be held that appellees' application supports count 1.

With respect to count 2, the question is as to the meaning to be given to the term "film gate" in the count. Appellees' specification states as follows:

• • • The film passes from the spool or roll 3 through a guide channel 6 to the film gate or window 7, where the exposure is made and where the film is engaged by the usual feeding claw or equivalent means (not shown) for advancing it, through another guide channel 8, toward the winding-on or take-up spool 5. • • •

It is appellants' contention that appellees do not disclose a film gate as that term is known in the art, but disclose only an aperture or window. Appellants introduced into the record a number of affidavits made by men prominent in the motion picture industry in support of their contention.

The Primary Examiner, in support of his ruling, upon the motion to dissolve the interference, that appellees do disclose a film gate, as that term is used in the art, stated:

Count 2 originated in the application of Morsbach et al. in which the exposure aperture in a wall of the container was originally referred to in the specification as a film gate. In the patent to Steiner the member 5 shown in Fig. 1 is described as "provided with the customary opening or film gate and at the same time forms the abutment surface against which the film is pressed". In Owens the wall of housing 3, shown in Fig. 4, is described in the sentence beginning in line 55, page 1, as "so formed as to provide a film gate • • • in which is formed an exposure opening 7". An aperture for the exposure of the film and a film guiding part having a film window as above indicated are known as "film gates" in the art. The opposing presser plate is not necessary to constitute a film gate. The Morsbach container is provided with an exposure opening in a film guiding face of the container that it is thought is accurately termed a gate and as this is the only feature of count 2 considered questionable, the party Morsbach et al. clearly has a right to make count 2.

Upon a request for reconsideration of his holding above referred to, the Examiner, in his decision denying such request, cited three additional patents and stated:

The party Kindelmann et al. contends that the continuation of this interference is improper because the count is not readable on both parties as a window or opening cannot be properly termed a film gate.

The claim is, however, directed to the same invention in the cases of the respective parties and no valid reason appears for construing the film gate of the introductory clause of the claim to mean other than a window or exposure opening in the enclosure for the film as the gate as included is merely a part past which the film is moved with which no feature of the claim coacts on any particular manner. The gate of Morsbach et al. does hold one side of the film in the desired position for exposure or projection. The gate of the claim in issue does not necessarily include the presser member usually provided to engage the film on the other side to hold the film against the member having the exposure opening. Whether an opposing member is provided to hold the film flat against the walls of the gate member having the opening or whether the film presser member is within the film container or the camera is immaterial to the invention defined by count 2.

The patent to Wittel disclosing a presser member 14 within a film container provides an opening 12 in the film holder referred to as a gate aperture and a gate in the first paragraph, page 2.

In the patent to De Vault fixed member 4 having aperture 5 is referred to as a film gate. The film gate of Sulzer is defined as a plate having an offset aperture in the sentence beginning in line 75 of page 1. Many other patents use the term "film gate" to mean only the member engaging one side of the film having the exposure opening or broadly term the gate aperture as a gate.

The ordinary dictionary definition of gate as used by Morsbach et al. in his specification, the dictionary of his application, in which gate may be either an enclosure provided with an opening or an opening in an enclosure is in accordance with the use of the term in the patented art.

None of the patents referred to in the decisions of the Primary Examiner upon this point are found in the record. Therefore, in accordance with the rule, we must accept the Examiner's statement respecting their disclosures as accurate.

There are concurring decisions of the Patent Office tribunals upon a controversial question of fact as to the meaning of the term film gate as used in the motion picture industry, and, in accordance with the rule, it is our duty to accept their finding upon this question of fact unless we conclude that they were manifestly wrong with reference thereto. We are not so satisfied, and therefore affirm the decision of the Board of Appeals that appellees' application supports count 2.

The final question is whether appellees are entitled to the date of their German application, August 26, 1930, for conception and reduction to practice of the invention. The only substantial difference between the German and United States applications is that in the German application the term "film gate" is not mentioned, but the structure termed in the United States application a "film gate or window" is termed, in the German application, a "picture window" and "image window". However, the structures described and shown by the drawings in the two applications are substantially identical, and if the structure described in the United States application may properly be termed a film gate, as the Patent Office tribunals have held, and with which holding we agree, obviously the same term may be applied to the structure shown in the German application.

The foregoing applies to count 2. With respect to count 1, the structures of the United States and German applications are identical, and the same ruling should obtain as to disclosure in the German application as was made with respect to the disclosure in appellees' United States application.

For the reasons stated, we hold that the involved counts are supported by appellees' United States application and also by their German application, and that appellees are entitled to the date of their German application for conception and reduction to practice of the invention. Consequently, they were properly awarded priority of invention with respect to both of the involved counts.

The decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,322,018, J. L. Holt, Corset; 1,379,101, same, Abdominal supporter; 1,463,425, same, Bust confiner and reducer; 1,819,294, Holt & Holt, Abdominal support, D. C., N. D. Calif. (San Francisco), Doc. 21022–S. *J. L. Holt* v. *Fifth Ave. Corset Co., Inc.* Patents held void for anticipation, and lack of invention; dismissed July 25, 1938.

1,379,101. (See 1,322,018.)

1,404,369, 1,737,533, F. C. Chapman, Dehydrator; 1,422,416, same, Combustion and mixing chamber for dehydrator; 1,645,738, same, Drier, filed Oct. 29, 1938, D. C., S. D. Calif., C. Div., Doc. 58–H, *Chapman Dehydrator Co.* v. *J. A. Knapp.*

1,404,879, F. C. Mock, Carburetor; 1,945,101, S. F. Hunt, same; 2,004,242, F. H. Heitger, Carburetor, filed Aug. 1, 1935, D. C. Del., Doc. E 1123; 1,831,056, 1,858,614, 1,858,615, 1,881,996, G. M. Bicknell, Carburetor; 1,894,354, Konner & Henning, same; 1,915,851, G. R. Ericson, same, included by counterclaim filed May 5, 1936, *Bendix Stromberg Carburetor Co.* v. *Carter Carburetor Corp.* Consent decree dismissing bill and counterclaim Oct. 1, 1938.

1,422,416. (See 1,404,369.)

1,429,288, W. V. Lander, Treating wood and other porous material; Re. 18,188, Benedict & Glose, Paving joint and method of making same; 1,818,874, G. L. Ulrich, Method of making expansion joints, filed Oct. 31, 1938, D. C., N. D. Ill., E. Div., Doc. 128, *Fiberjoint Corp. et al.* v. *W. R. Meadows, Inc.*

1,459,829. (See 1,464,280.) 1,463,424. (See 1,322,018.)

1,464,280, L. P. Hynes, Electric heater; 1,459,829, same, Waterproof electric heater and its method of manufacture; 1,506,065, same, Electric heater and its mode of manufacture, D. C. Del., Doc. E 1271, *Consolidated Car-Heating Co., Inc.*, v. *H. E. Trent Co.* Consent decree dismissing bill Oct. 7, 1938.

1,470,524. (See 1,718,997.)

1,475,258, H. W. Bundy, Method of manufacturing soldered tube; 1,685,269, same, Method and apparatus for making tubing, D. C. Ind. (Indianapolis), Doc. E 1961, *Bundy Tubing Co.* v. *General Motors Corp.* Dismissed without prejudice Sept. 30, 1938.

1,488,325, C. P. Dubbs, Method and apparatus for treating petroleum; 1,546,634, same, Apparatus for treating petroleum; 1,820,057, same, Process of converting hydrocarbons; 2,080,118, same, Process for cracking petroleum oil; 1,619,977, L. C. Huff, Process and apparatus for treating oils; Re. 19,818, L. Kirschbraun, Process for treating hydrocarbons; 2,070,124, Halloran & Strout, Process of decomposing relatively high boiling point oils into relatively low boiling point oils, filed Oct. 14, 1938, D. C. Del., Doc. 11, *Universal Oil Products Co.* v. *Mid-Continent Petroleum Corp.*

1,493,111, R. E. Divine, Detergent and process of making same; 1,703,838, Fischer & Reddish, Process of obtaining pure mineral oil sulphonates; 1,909,721, W. T. Reddish, Textile oil, filed Sept. 14, 1938, D. C. N. J., Doc. E 5956, *Emery Industries, Inc.*, v. *Standard Oil Co. et al.* Doc. E 5850, *Emery Industries, Inc.*, v. *Standard Oil Co.* Dismissed Sept. 14, 1938.

1,505,592. (See 1,718,997.) 1,506,065. (See 1,464,280.)

1,546,634. (See 1,488,325.)

1,617,544, F. Rosenthal, Manufacture and treatment of threads; 1,620,233, same, Process of making thread, filed Oct. 6, 1938, D. C., Del., Doc. 6, *F. Rosenthal* v. *Celanese Corp. of America.*

1,619,977. (See 1,488,325.) 1,620,233. (See 1,617,544.)

1,622,957. (See Re. 18,852.)

1,645,738. (See 1,404,369.)

1,685,269. (See 1,475,258.)

1,702,612, C. K. Morse, Oil separating apparatus; 1,702,613, same, Process of separating oil from water and refuse materials, D. C. N. J., Doc. E 5909, *E. H. Morse* v. *Home Fuel Oil Co.* Dismissed July 23, 1938.

1,702,613. (See 1,702,612.) 1,703,838. (See 1,493,111.)

1,718,025. (See Re. 18,841 and Re. 18,852.)

1,718,997, H. B. Burt, Frozen confection; 1,505,592, F. W. Epperson, same; 1,470,524, H. B. Burt, Process of making frozen confection, D. C., S. D. Calif. (Los Angeles), Doc. S–28–RJ, *National Popsicle Corp. et al.* v. *A. Libby.* Consent decree for defendants Oct. 31, 1938.

1,736,544, H. E. Mead, Cigar lighter; 2,129,374, A. A. Johnson, Electric cigar lighter, filed Oct. 13, 1938, D. C., N. D. Ill., E. Div., Doc. 76, *The Automatic Devices Corp.* v. *Leterstone Sales Co.*

1,737,533. (See 1,404,369.)

1,741,009, W. R. Buxton, Bill fold; 2,011,844, 1,866,618, same, Flexible pocket receptacle, filed Sept. 14, 1938, D. C. N. J., Doc. E 5957, *W. R. Buxton et al.* v. *I. Smallman et al.*

1,789,236, Klein & Kasanof, Tag securing means; 1,790,695, M. B. Behrman, Seal, filed Sept. 9, 1938, D. C. N. J., Doc. E 5952, *S. Klein* v. *E. J. Brooks Co.*

1,790,695. (See 1,789,236.) 1,818,874. (See 1,429,288.)

1,819,294. (See 1,322,018.) 1,820,057. (See 1,488,325.)

1,830,260. (See 1,893,535.) 1,831,056. (See 1,404,879.)

1,858,614. (See 1,404,879.) 1,858,615. (See 1,404,879.)

1,866,618. (See 1,741,009.) 1,881,996. (See 1,404,879.)

1,893,535, M. K. Buchanan, Ice cube pan lifter; Re. 18,819 (of 1,830,260), 1,932,689, 2,043,881, Buchanan & Horton, Ice cube pan, filed Aug. 17, 1938, D. C. N. J., Doc. E 5935, *Mechanical Ice Tray Corp.* v. *Sears, Roebuck and Co.*

1,894,354. (See 1,404,879.)

1,898,584, A. F. Mantz, Spring sash balance; 2,128,007, same, Cable securing hook and glider, filed Oct. 29, 1938, D. C., S. D. Calif. (Los Angeles), Doc. 59–Y, *A. F. Mantz et al.* v. *A. H. Kersting (Acme Sash Balance Co.).*

1,909,721. (See 1,493,111.) 1,915,851. (See 1,404,879.)

1,932,689. (See 1,893,535.) 1,945,101. (See 1,404,879.)

2,004,242. (See 1,404,879.) 2,011,844. (See 1,741,009.)

2,018,584, F. H. Watson Valve stem; Re. 18,513, same, Pneumatic inner tube and valve stem, filed Aug. 4, 1938, D. C. N. J., Doc. E 5926, *Dill Mfg. Co.* v. *Jenkins Bros.*

2,043,881. (See 1,893,535.) 2,070,124. (See 1,488,325.)

2,079,107. (See Re. 19,562.)

2,080,118. (See 1,488,325.)

2,119,486, B. F. Muldoon, Flash light; Des. 108,922, same, Flashlight casing, filed Aug. 2, 1938, D. C. N. J., Doc. E 5925, *H. Human et al.* v. *Bright Star Battery Co.*

2,128,007. (See 1,989,584.) 2,129,374. (See 1,736,544.)

Re. 16,723, A. Dewandre, Motor brake; Re. 16,724, same, Power brake, filed Oct. 27, 1938, D. C., N. D. Ill., E. Div., Doc. 123, *Bendix Brake Co. et al.* v. *L. Meyer (Safety Brake Co.)*.

Re. 16,724. (See Re. 16,723.)

Re. 17,212, M. Stockton, Process of and apparatus for treating minerals; Re. 20,844, R. Calvert et al., Diatomaceous earth product and process of making same, filed Oct. 5, 1938, D. C. Del., Doc. 5, *Celite Corp.* v. *The Dicalite Co.*

Re. 17,393. (See Re. 18,841 and Re. 18,852.)

Re. 18,188. (See 1,429,288.)

Re. 18,513. (See 2,018,584.)

Re. 18,819. (See 1,893,535.)

Re. 18,841. (See Re. 18,852.)

Re. 18,841 (of Re. 17,393), J. Mayer, Hair waving method; 1,718,025, R. Bishinger, Hair curling appliance, D. C. Wash. (Bellingham), Doc. 1 (E34), *The Philad Co.* v. *D. B. Brown et al.* Consent decree holding claims 2, 3, 4, and 5 of Re. 18,841 and claims 1, 3, 5, 7, 8, and 9 of 1,718,025 valid. Above named claims and claims 2, 8, 9, and 10 of Re. 17,393 held infringed Oct. 31, 1938.

Re. 18,852 (of Re. 18,841, Re. 17,393, and 1,622,957), J. Mayer, Hair waving appliance; 1,718,025, R. Bishinger, Hair curling appliance, D. C. Oreg. (Portland), Doc. 11, *The Philad Co.* v. *A. R. Stenger et al.* Doc. E 9748, *The Philad Co.* v. *J. Miller.* Consent decree Oct. 31, 1938, in both suits.

Re. 19,562, J. Jones, Mask for fowls; 2,079,107, J. C. Cridlebaugh, Device to prevent picking in poultry, filed Oct. 26, 1938, D. C. N. J., Doc. 54, *J. C. Cridlebaugh et al.* v. *B. Rudolph et al.*

Re. 19,818. (See 1,488,325.)

Re. 20,844. (See Re. 17,212.)

Des. 108,922. (See 2,119,486.)

Erratum

1,864,051, R. E. Paris, Perforated card controlled machine.

2,044,119, W. W. Lasker, Tabulating machine.

It appears from a communication from the clerk of the Court of Appeals of the Second Circuit that the notice of Oct. 24, 1938, with reference to the above listed patents (see 496 O. G. 869) was erroneous, since the action mentioned in said notice was not based on said patents but was on a contract.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,977,521, G. S. Meikle, Apparatus for producing combustion, decided October 12, 1938, claims 7 and 8.

Pat. 2,084,292, Rudolf Steiner, Compact, decided October 25, 1938, claims 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12 and 13.

Disclaimers

1,852,578.—*John A. Johnson*, Woodhaven, N. Y. METHOD AND APPARATUS FOR ASSEMBLING LININGS IN RECEPTACLE CLOSURE CAPS. Patent dated April 5, 1932. Disclaimer filed December 1, 1938, by the assignee, *Crown Cork & Seal Company, Inc.*

Hereby enters this disclaimer to claims 28, 29, and 30 of the patent.

1,869,517.—*James W. Sinden*, State College, Pa. MUSHROOM SPAWN AND METHOD OF MAKING SAME. Patent dated August 2, 1932. Disclaimer filed December 2, 1938, by the assignee, *The Pennsylvania Research Corporation.*

Hereby enters this disclaimer to those parts of the specification of said patent which are in the following words, to wit:

"oats, rice, etc. (Also other seeds as clover, bean, pea, etc. or ground-up corn cob)." (Page 2, lines 18 and 19.)

"or seeds similar in nature." (Page 2, line 81.)

"Where in the following claims the term 'cereal' is used it will be understood that it refers not only to the substances usually so designated but those substances which are the equivalents of grains in the above process, such as seeds, ground-up corn cob, or the like." (Page 3, lines 81 to 86, inclusive.)

And your petitioner hereby disclaims from the scope of claims 1, 2, and 3 any cereal substrate which does not include a member of the group of cereals and cereal products consisting of hominy, cracked wheat, whole grain wheat, barley, and rye.

And your petitioner hereby disclaims from the scope of claims 4 and 5 any method of making mushroom spawn in which the cereal substrate does not include a member of the group of cereals and cereal products consisting of hominy, cracked wheat, whole grain wheat, barley, and rye.

2,079,608.—*Carl P. Erickson*, Connersville, Ind. REFRIGERATOR CABINET. Patent dated May 11, 1937. Disclaimer filed November 29, 1938, by the assignee, *Servel, Inc.*

Hereby makes disclaimer of such parts of the thing patented by claim 6 except:

Refrigerator cabinet construction as defined by claim 6 in which the insulated top and side walls adjacent the closure means are outside walls of the cabinet and the outer surface of the closure means and the outer surface of said top and side walls adjacent the closure means form the outer substantially smooth surface continuity of the cabinet.

2,113,998.—*Carl B. Swenson*, Rockford, Ill. UNIVERSAL JOINT. Patent dated April 12, 1938. Disclaimer filed December 2, 1938, by the assignee, *Borg-Warner Corporation.*

Hereby disclaims from the scope of both of the claims of said Letters Patent, any and all universal joints except those wherein the outer of the trunnion walls mentioned in said claims is in the form of a collar separate from and mounted upon a shoulder formed integrally with the trunnion, wherein both the packing means and the roller maintaining means are received in an annular space defined between radially opposed regions of said trunnion walls and wherein said packing means is in contact with the inner trunnion wall and under compression in the assembled joint.

2,136,373.—*Warren F. Busse*, Cuyahoga Falls, Ohio. SOFTENED RUBBER. Patent dated November 15, 1938. Disclaimer filed November 25, 1938, by the assignee, *The B. F. Goodrich Company.*

Hereby enters this disclaimer of claim 4 of the patent.

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 20, 1938

[VOL. 497. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 411,604. HERCULES POWDER COMPANY, Wilmington, Del. Filed Oct. 14, 1938.

HERCULOID

For Uncolloided Nitrocellulose.
Claims use since Aug. 22, 1921.

CLASS 2

Receptacles

Ser. No. 411,215. DETROIT PAPER PRODUCTS COMPANY, Hamtramck, Mich. Filed Oct. 3, 1938.

TAKE HOME PACK

No claim is made to the word "Pack".
For Empty Cardboard Portable Containers for Bottles.
Claims use since Aug. 27, 1938.

Ser. No. 411,765. JULIUS M. BERGER, New York, N. Y. Filed Oct. 19, 1938.

KENMORE

For Paper Bags.
Claims use since Aug. 1, 1938.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 411,667. GEORGE KOPPENHOEFER, doing business as The Sanesco Company, Philadelphia, Pa. Filed Oct. 15, 1938.

GREASOLV
THE IDEAL CLEANER
for
BALL & ROLLER
BEARINGS

The words "Cleaner for Ball and Roller Bearings" are disclaimed apart from the mark.

For Product for Cleaning and Removing Caked, Gummed, or Oxidized Grease from Ball and Roller Bearings.

Claims use since January, 1937.

Ser. No. 411,698. GRANVILLE LYON, doing business as Sahuara Chemical Company, Downey, Calif. Filed Oct. 17, 1938.

Say HURA

For Soaps and Soap Preparations.
Claims use since Feb. 1, 1938.

Ser. No. 412,171. COLUMBIAN ROPE COMPANY, Auburn, N. Y. Filed Oct. 29, 1938.

COROCO

For Bonded Bodies or Articles Composed Essentially of Vegetable Fibers Used for Buffing Purposes and for Supporting Abrasive Materials.

Claims use since Oct. 12, 1938.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 392,543. EDITH K. LILLY, doing business as Physician's Formula Cosmetics, Los Angeles, Calif., assignor to Physician's Formula Cosmetics, Inc., Los Angeles, Calif., a corporation of California. Filed May 10, 1937.



No claim is made to the notation "R" and the words "Physicians Formula" apart from the mark or to the representation of a label.

For Cleansing Cream, Tissue Cream, Foundation Cream, Skin Lotion, Skin Freshener, Face Powder, Lipstick, Cream Rouge, Tan Lotion.

Claims use since Mar. 17, 1937.

Ser. No. 395,023. MAXIME DE CAGNY, Levallois Perret, France. Filed July 9, 1937.

MAXENCE

For Perfumes, Tooth Pastes, Toilet Lotions, Rouge, Lipsticks, Facial Creams, and Ointments.

Claims use since July 4, 1935.

Ser. No. 398,518. FÉLIX JEAN CAUCHOIS, Hussigny-Godbrange, Meurthe-et-Moselle, France. Filed Oct. 15, 1937.

DIATOL

For Medicinal Ointments for Skin Diseases.

Claims use since June 28, 1934.

Ser. No. 405,020. HALL REMEDY CO., Tampa, Fla. Filed Apr. 8, 1938.



TRADE MARK

The portrait is that of Fred Edwin Hall. The words "Trade Mark" are disclaimed.

For Medicines, a Preparation for the Treatment of Rheumatism, Neuralgia, and a Laxative.

Claims use since July 1, 1924.

Ser. No. 407,255. AMERICAN CHEMICAL PAINT COMPANY, Ambler, Pa. Filed June 9, 1938.

FIXODINE

For Chemicals for Treating Metal, Primarily Useful in Preparing Metal Surfaces to Receive Protective Coatings.

Claims use since May 26, 1938.

Ser. No. 409,160. C. S. O. LABORATORIES, Dallas, Tex. Filed Aug. 2, 1938.

FOILLE

For Medicinal Emulsion for External Application for Burns and Affections of the Skin.

Claims use since Feb. 1, 1938.

Ser. No. 409,785. E. R. SQUIBB & SONS, New York, N. Y. Filed Aug. 19, 1938.

Palatized

For Castor Oil.

Claims use since Aug. 8, 1938.

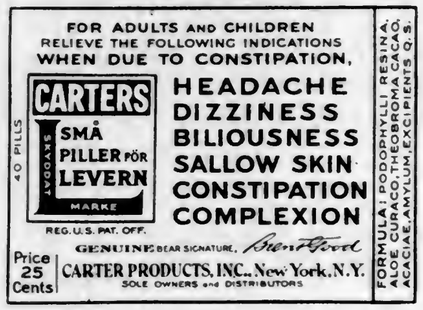
Ser. No. 409,907. BRAD-JO COMPANY, Oakland, Calif. Filed Aug. 24, 1938.

Brad-Jo

For Hair Tonic and Scalp Treating Products.

Claims use since January, 1927.

Ser. No. 409,909. CARTER PRODUCTS, INC., New York, N. Y. Filed Aug. 24, 1938.



The colors red and black are claimed as features of the mark. All notations except "Carters", "Carter Products, Inc.", "Brent Good", and the letter "L" are disclaimed apart from the mark.

For Liver Pills.

Claims use since Aug. 5, 1938.

Ser. No. 410,145. THE PRENATONE COMPANY, INC., New York, N. Y. Filed Aug. 31, 1938.

PRENATONE

For Vitamin and Mineral Tonic for Use During the Prenatal and Lactating Periods and in Cases of Vitamin and Mineral Deficiencies.

Claims use since Aug. 1, 1938.

Ser. No. 410,183. WARREN W. JONES, Pittsburgh, Pa. Filed Sept. 1, 1938.

JONES

1-PLUS-1

The name "Jones" is disclaimed apart from the mark.

For Medical Preparation for Treatment of Colds, Bronchitis, Nasal Congestion, Catarrhal Conditions, Hay Fever, Neuritis, Sore Muscles and Stiff Joints, Lumbago, Cold Sores, Painful Gums and Jaws after Tooth Extraction, Aching Foot Arches.

Claims use since Feb. 1, 1938.

Ser. No. 410,190. CHARLES OF THE RITZ, INC., New York, N. Y. Filed Sept. 1, 1938.

REVENESCENCE

For Toilet Creams.

Claims use since Aug. 15, 1938.

Ser. No. 410,398. INTERNATIONAL LUBRICANT CORPORATION, Southport, La. Filed Sept. 9, 1938.



No claim is made to the words "Quality", "Service", and "Chemicals" apart from the mark.

For Aluminum Stearate Compounds Used in the Manufacture of High-Grade Greases and Water-Proofing Material such as Roofing.

Claims use since May 31, 1938.

Ser. No. 410,443. PATTERSON O. STEWART, doing business as Electro Products Company, New York, N. Y. Filed Sept. 10, 1938.

PING

For Carbon Binder Solvent and Carbon Remover.

Claims use since Aug. 31, 1938.

Ser. No. 410,567. ANDREW WILSON, INC., Springfield, N. J. Filed Sept. 14, 1938.

GRUB-O

For Grub Proofing Preparation for Lawns, Golf Greens, and the Like.

Claims use since March, 1929.

Ser. No. 410,613. G. D. SEARLE & CO., Chicago, Ill. Filed Sept. 15, 1938.

GYNANTRIN

For Injectable Solution of the Gonad Stimulating Fractions of the Anterior Pituitary Gland, Extracted from Fresh Tissue, for Use by Parenteral Administration in the Treatment of Defective Gonad Function, Symptomatically these Conditions Include Amenorrhea, Oligomenorrhea, Dysmenorrhea, Metrorrhagia, Menorrhagia, Functional Menopause, and Deficient Development of the Reproductive Systems, Including Secondary Sex Characteristics.

Claims use since Nov. 28, 1932.

Ser. No. 410,901. A. DE ST. DALMAS & Co. LTD., Leicester, England. Filed Sept. 23, 1938.

BURNOJEL

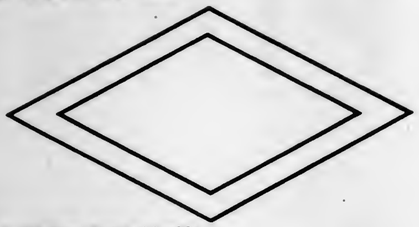
For Medicated Jellies for Human Use in the Treatment of Burns and Scalds.
Claims use since Dec. 29, 1934.

Ser. No. 410,943. AMERICAN PHARMACEUTICAL COMPANY, INC., New York, N. Y. Filed Sept. 24, 1938.



For Medical Preparations for Relieving Colds.
Claims use since December, 1937.

Ser. No. 411,216. DIAMOND ALKALI COMPANY, Pittsburgh, Pa. Filed Oct. 3, 1938.



For Carbon Tetrachloride.
Claims use since Aug. 1, 1937.

Ser. No. 411,244. PROTECTOL COMPANY, Chicago, Ill. Filed Oct. 3, 1938.

KOIL-EX

For Detergent Germicidal Cleaning Compound for Cleaning and Purifying Beer Dispensing Apparatus.
Claims use since Sept. 21, 1938.

Ser. No. 411,299. ALBERT T. KEIL, Mars, Pa. Filed Oct. 5, 1938.



No claim is made to the words "Honey and Pollen" apart from the mark.
For Hay Fever and Rose Cold Preparations.
Claims use since July 29, 1938.

Ser. No. 411,748. MERCK & CO. INC., Rahway, N. J. Filed Oct. 18, 1938.

DAGENAN

For Medicinal Preparations Used in Bacterial Infections.
Claims use since Sept. 30, 1938.

Ser. No. 411,778. HOFFMANN-LA ROCHE, INC., Nutley N. J. Filed Oct. 19, 1938.

EPHYNAL

For Medicinal Preparation Containing Vitamin E.
Claims use since Aug. 15, 1938.

Ser. No. 411,900. ROCHE-ORGANON, INC., Nutley, N. J. Filed Oct. 21, 1938.

AMBINON

For Medical Preparation Containing Anterior Lobe Pituitary Extract, Indicated for Use in the Treatment of Pituitary Deficiencies, Hormone Imbalance, and Allied Disorders.
Claims use since Apr. 22, 1933.

Ser. No. 411,901. ROCHE-ORGANON, INC., Nutley, N. J. Filed Oct. 21, 1938.

PERNAEMON

For Medical Preparation Containing Concentrated and Highly Purified Liver Extract, Indicated for Use in the Treatment of Addisonian Pernicious Anemia and Secondary Anemias.
Claims use since March, 1928.

Ser. No. 411,902. ROCHE-ORGANON, INC., Nutley, N. J. Filed Oct. 21, 1938.

PREGNYL

For Medical Preparation Derived from Pregnancy Urine Containing the Anterior Pituitary-Like Principle of Pregnancy Urine and Indicated for Use in the Treatment of Primary and Secondary Amenorrhea, Hypermenorrhea and Polymenorrhea, Functional Spasmodic Dysmenorrhea, Habitual Abortion, Sterility, Infantilism, Delayed Puberty, Graves' Disease Occurring Prior to Menopause, Obesity of the Menopause, and Inflammations of the Uterine Adnexa, Cryptorchidism, Dystrophia, Adiposogenitalis, and Azoospermia, Adiposity, and Disturbances of General Metabolism.
Claims use since October, 1934.

Ser. No. 411,903. ROCHE-ORGANON, INC., Nutley, N. J. Filed Oct. 21, 1938.

BINAEMON

For Medical Preparation of Anti-Anemic Principles Indicated for Use in the Treatment of Addisonian Pernicious Anemia and Secondary Anemias.
Claims use since June 13, 1938.

Ser. No. 411,904. ROCHE-ORGANON, INC., Nutley, N. J. Filed Oct. 21, 1938.

DIMENFORMON

For Medical Preparation of Synthetically Derived and Biologically Standardized Follicular Estrus-Producing Hormone, Indicated for Use in the Treatment of Ovarian Deficiency, Infantilism, Frigidity, Sterility, Amenorrhea, Hypomenorrhea, Dysmenorrhea, Postpartum Leucorrhea, Disturbances Accompanying and Following the Climacteric, or Due to Artificially Induced Menopause, Nausea and Vomiting of Pregnancy, Hyperemesis Gravidarum, Persistent and Excessive Lactation After Premature Births, Abortions, or Weaning, Weight Loss in Premature Infants, and Gonococcal Vulvovaginitis, Mastopathia, Migraine or Cyclic Headache, Retinitis Pigmentosa, and Peripheral Vascular Disease, and Allied Disorders.
Claims use since November, 1935.

Ser. No. 411,905. ROCHE-ORGANON, INC., Nutley, N. J. Filed Oct. 21, 1938.

NEO-HOMBREOL

For Medical Preparation Containing the Active Male Sex Hormone Derivative, Indicated for Use in the Treatment of Impotence, Hypogonadism, Prostatic Hypertrophy, for Correcting Imbalance Between the Male and Female Sex Hormones, and in the Treatment of Like and Allied Disorders.
Claims use since August, 1937.

Ser. No. 411,906. ROCHE-ORGANON, INC., Nutley, N. J. Filed Oct. 21, 1938.

THYRANON

For Medical Preparation Containing the Active Principles of Thyroid Indicated for Use in the Treatment of Hypothyroidism, and Other Conditions Requiring Stimulation of Metabolism.
Claims use since June 13, 1938.

Ser. No. 412,084. COTY, INC., New York, N. Y. Filed Oct. 27, 1938.

INEDIT

For Face Powder, Dusting Powder, Toilet Water, Perfume, Suntan Oil, Skin and Hair Lotions, Brilliantine, Rouge Compacts, Powder Compacts, Lipsticks, Sachet Powders, Face Creams, Bath Salts, Talcum Powders, Rouges.
Claims use since Oct. 24, 1938.

CLASS 10

Fertilizers

Ser. No. 411,027. CARLETON ELLIS, Montclair, N. J. Filed Sept. 27, 1938.

PLANTENE

For Fertilizer.
Claims use since Sept. 13, 1938.

Ser. No. 411,716. SOIL CONSERVATION AND CHEMICAL COMPANY, Denver, Colo. Filed Oct. 17, 1938.

PEP-GRO

For Commercial Fertilizers.
Claims use since Jan. 1, 1938.

CLASS 11

Inks and Inking Materials

Ser. No. 411,841. REMINGTON RAND INC., Buffalo, N. Y. Filed Oct. 20, 1938.

REMRANDCO

For Carbon Paper.
Claims use since Aug. 27, 1934.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 409,578. JOHN V. MAGEE, doing business as J. V. Magee Mfg. Co., Chicago, Ill. Filed Aug. 13, 1938.

SILVER-LITE

Applicant disclaims the word "Silver" apart from the mark.
For Silver in Granular Form Used for Silvering, Resilvering, Plating, and Replating Metal Surfaces.
Claims use since July 11, 1934.

CLASS 16

Paints and Painters' Materials

Ser. No. 408,832. COMMONWEALTH ENGINEERING CORPORATION, Dayton, Ohio. Filed July 23, 1938.

XeM

For Lacquers, Paints in Ready Mixed Form, Paint Enamels, and Varnishes.
Claims use since Feb. 8, 1938.

Ser. No. 411,433. ELLIOTT PAINT & VARNISH COMPANY, Chicago, Ill. Filed Oct. 6, 1938.

PROKRAFT

FOR THE PROFESSIONAL CRAFTSMAN

The words "For the Professional Craftsman" are disclaimed apart from the mark.
For Ready Mixed Paints, Paint Enamels, and Varnishes.
Claims use since January, 1935.

Ser. No. 412,219. THE CHEMISEAL COMPANY, Detroit, Mich. Filed Oct. 31, 1938.

CHEMISEAL

For Wood Preservative and Sealer.
Claims use since Feb. 7, 1936.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 389,105. TRUCKSTELL, INC., Cleveland, Ohio. Filed Feb. 18, 1937.

TRUCKSTELL

For Automotive Truck Equipment—Namely, Frame Extensions, Conversion Units, Six Wheel Units, Automobile Trucks, Tractor Trucks, Six-Wheel Tandem Axle Trucks, and All Types of Cab-Over-Engine Truck Bodies.
Claims use since July 9, 1936.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 404,973. SETCHELL CARLSON, INC., St. Paul, Minn. Filed Apr. 6, 1938.

DOR A FONE

The word "Fone" is disclaimed except as shown.
For Inter-Office and Similar Telephonic Communicating Systems and Parts Therefor.
Claims use since Nov. 15, 1937.

Ser. No. 409,799. BARKER BROS. CORPORATION, Los Angeles, Calif. Filed Aug. 20, 1938.

TEMPO-PHONIC

For Radio Receiving Sets.
Claims use since June 25, 1938.

Ser. No. 410,543. INTERNATIONAL RADIO CORPORATION, Ann Arbor, Mich. Filed Sept. 14, 1938.

Autime

For Radio and Television Sending and Receiving Machines, Parts, and Equipment Therefor.
Claims use since July 8, 1938.

Ser. No. 411,028. LOUIS EPSTEIN, New York, N. Y. Filed Sept. 27, 1938.

FILT-O-FUSE

The word "Fuse" is disclaimed apart from the mark.
For Fuses and Interference Eliminators for Radio Receivers.
Claims use since Sept. 3, 1938.

Ser. No. 411,758. SPRAGUE PRODUCTS COMPANY, North Adams, Mass. Filed Oct. 18, 1938.

KOOLOHM

For Electrical Resistors.
Claims use since Aug. 22, 1938.

Ser. No. 411,865. ILLUMINATING ENGINEERING SOCIETY, New York, N. Y. Filed Oct. 21, 1938. Under act of Feb. 20, 1905, as amended June 10, 1938.

I·E·S

For Electric Lighting Fixtures and Portable Electric Lamps and Parts Thereof.
Claims use since May, 1934.

Ser. No. 411,866. ILLUMINATING ENGINEERING SOCIETY, New York, N. Y. Filed Oct. 21, 1938. Under act of Feb. 20, 1905, as amended June 10, 1938.

I E S

For Electric Lighting Fixtures and Portable Electric Lamps and Parts Thereof.
Claims use since May, 1934.

Ser. No. 411,888. MCGRAW ELECTRIC COMPANY, Chicago, Ill. Filed Oct. 21, 1938.

HOSPITALITY

For Electric Toasters.
Claims use since June 28, 1933.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 410,555. FLORENCE ROSEN, doing business as American Grease Stick Company, Muskegon Heights, Mich. Filed Sept. 14, 1938.

DOOR-EASE

For Ski-Wax.
Claims use since Feb. 4, 1938.

Ser. No. 412,214. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Oct. 31, 1938.

CHALLENGER

For Billiard Tables.
Claims use since Aug. 1, 1938.

Ser. No. 412,215. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Oct. 31, 1938.

PARAMOUNT

For Billiard Tables.
Claims use since Aug. 1, 1938.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 406,063. MANNING, MAXWELL & MOORE, INC., Muskegon, Mich. Filed May 6, 1938.

"BUDGIT"

For Power Hoists.
Claims use since Jan. 31, 1938.

Ser. No. 406,064. MANNING, MAXWELL & MOORE, INC., Muskegon, Mich. Filed May 6, 1938.

SHAWELD

The word "Weld" is disclaimed apart from the mark.
For Structural and Machine Parts Such as Gears, Pinions, Sheaves, Gear Cases and Guards, Motor Bases, Hoist Blocks, and Crane Trucks and Trolley Frames.
Claims use since Jan. 25, 1938.

Ser. No. 408,186. CHARLES T. CHANCE, Chicago, Ill. Filed July 5, 1938.

METAL Ite PROCESS

The words "Metal" and "Process" are disclaimed apart from the mark.
For Swaging Tools, Heading Dies, Roll Dies, Hot Roll Dies, Cold Roll Dies, Saws, Band Saws, Power Hack Saws, Hand Hack Saws, Rock Drills, High Speed Drills, High Carbon Drills, Razor Blades, Meat Knives, Pocket Knives, Bread Knives, Cake Knives, Felt Knives, Cloth Knives, Circle Cutters, Hobs, Milling Cutters and Machine Needles.
Claims use since May 15, 1938.

Ser. No. 408,236. DEWALT PRODUCTS CORPORATION, Lancaster, Pa. Filed July 6, 1938.

CUSTOM CUT LUMBER

No claim is made to the words "Custom Cut Lumber" used alone.
For Lumber Cutting Machines.
Claims use since Dec. 1, 1937.

Ser. No. 410,574. MARKWELL MANUFACTURING COMPANY, INC., New York, N. Y. Filed Sept. 15, 1938.

RF3

For Stapling Machines Used for Fastening Papers, Cardboard, Fabrics, Metal, Etc., Together, Also for Fastening Papers, Cardboard, Fabrics, Metal, Etc., on to Wood, Etc.
Claims use since Sept. 2, 1938.

Ser. No. 410,907. HUME-LOVE COMPANY, Garfield, Wash. Filed Sept. 23, 1938.

MOTOR ROWER

The word "Motor" is disclaimed apart from the mark.
For Self-Driven Cultivating and Harvesting Machinery, and Parts Thereof.
Claims use since May 2, 1938.

Ser. No. 410,908. HUME-LOVE COMPANY, Garfield, Wash. Filed Sept. 23, 1938.

POWER ROWER

The word "Power" is disclaimed apart from the mark.
For Self-Driven Cultivating and Harvesting Machinery, and Parts Thereof.
Claims use since May 2, 1938.

Ser. No. 410,909. HUME-LOVE COMPANY, Garfield, Wash. Filed Sept. 23, 1938.

TRACTOSHOWER

The word "Tractor" is disclaimed apart from the mark.
For Self-Driven Cultivating and Harvesting Machinery, and Parts Thereof.
Claims use since May 2, 1938.

Ser. No. 411,882. MCGRAW ELECTRIC COMPANY, Chicago, Ill. Filed Oct. 21, 1938.

TOASTMASTER

For Devices for Cutting or Trimming Food Articles, Particularly Cutting Boards for Trimming the Edges from Slices of Toast and for Cutting Toast.
Claims use since June 28, 1933.

Ser. No. 411,889. MCGRAW ELECTRIC COMPANY, Chicago, Ill. Filed Oct. 21, 1938.

HOSPITALITY

For Devices for Cutting or Trimming Food Articles, Particularly Cutting Boards for Trimming the Edges from Slices of Toast and for Cutting Toast.
Claims use since June 28, 1933.

Ser. No. 411,964. OUTBOARD, MARINE & MANUFACTURING COMPANY, Milwaukee, Wis. Filed Oct. 22, 1938.



For Outboard Motors and Outboard Motor Parts.
Claims use since June 4, 1938.

CLASS 24

Laundry Appliances and Machines

Ser. No. 408,061. ANTON ILG AND FRIDA SCHÜRCH, Zurich, Switzerland. Filed June 30, 1938.

Surfix

For Flatiron Supports.
Claims use since May, 1936.

Ser. No. 411,494. GARDINER MANUFACTURING COMPANY, INC., Buffalo, N. Y. Filed Oct. 11, 1938.

101

MIDGET WASHER

No claim is made for the word "Washer" apart from the mark.
For Laundry Washing Machine.
Claims use since Aug. 3, 1938.

Ser. No. 412,271. UNITED STATES HOFFMAN MACHINERY CORPORATION, New York, N. Y. Filed Nov. 1, 1938.

140-F

For Dry Cleaning Unit.
Claims use since Dec. 30, 1935.

CLASS 25

Locks and Safes

Ser. No. 411,689. JOSHUA B. GLASSER, doing business as Insuransales Products, Chicago, Ill. Filed Oct. 17, 1938.



The term "Assures Peace of Mind" is disclaimed apart from the mark.
For Safety Policy Boxes and the Like.
Claims use since Sept. 3, 1938.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 398,377. TOBE DEUTSCHMANN CORPORATION, Canton, Mass. Filed Oct. 11, 1937.

Audi-o-Scope

For Electrical Apparatus for Use in Connection with Electrical Measurements Such as Measurements of Electrical Impedances of Loud Speaker, Telephone Lines, Electrical Net Works, and Similar Electrical Units.
Claims use since June 14, 1937.

Ser. No. 398,834. THE BROWN INSTRUMENT COMPANY, Philadelphia and Wayne Junction, Philadelphia, Pa. Filed Oct. 23, 1937.

MOIST-O-GRAPH

For Instruments for Measuring Moisture Content.
Claims use since July 24, 1937.

Ser. No. 409,265. FISHER SCIENTIFIC COMPANY, Pittsburgh, Pa. Filed Aug. 5, 1938.

ALKACID

For Paper Strips Used in Making Approximate Determinations of Hydrogen Ion Concentration in Liquids.
Claims use since Aug. 1, 1938.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 391,837. THE GEO. WORTHINGTON COMPANY, Cleveland, Ohio. Filed Apr. 24, 1937.

TRAIL BLAZER

For Paint Brushes, Varnish Brushes, Scrub Brushes, Window Brushes, Shoe Brushes, White Wash Brushes, Kalsomine Brushes, Whisk Brooms, House Brooms, Floor Push Brushes, and Wire Street Brushes.
Claims use since Sept. 1, 1936.

Ser. No. 411,549. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio. Filed Oct. 12, 1938.

HAND CRAFT



The representation of the goods is disclaimed apart from the mark.
For Paint Brushes, Varnish Brushes, Kalsomine Brushes, Whitewash Brushes, Roof Brushes, Stippling Brushes, Radiator Brushes, Smoothing Brushes, Marking Brushes, Striping Brushes, Stencil Brushes, Water Color Brushes, Flowing Brushes, Mottling Brushes, Brick Liner Brushes, Finishing Brushes, Touch-up Brushes, Wire Brushes, Furniture Rubbing Brushes, Dusters and Brushes for Painters' Use.
Claims use since Sept. 24, 1938.

CLASS 30

Crockery, Earthenware, and Porcelain

Ser. No. 411,881. MCGRAW ELECTRIC COMPANY, Chicago, Ill. Filed Oct. 21, 1938.

TOASTMASTER

For Receptacles for Household Use—Namely, Dishes of Pottery.
Claims use since July 24, 1936.

Ser. No. 411,887. MCGRAW ELECTRIC COMPANY, Chicago, Ill. Filed Oct. 21, 1938.

HOSPITALITY

For Receptacles for Household Use—Namely, Dishes of Pottery.
Claims use since July 24, 1936.

CLASS 32

Furniture and Upholstery

Ser. No. 396,436. CONTINENTAL SPRINGS CORPORATION, Houston, Tex. Filed Aug. 7, 1937.

Silver Line

For Bed Springs.
Claims use since June 1, 1937.

Ser. No. 399,140. S. KARPEN & BROS., Chicago, Ill. Filed Oct. 30, 1937.

FIRESIDE

For Sofas, Chairs, and Living Room Suites.
Claims use since Aug. 1, 1936.

Ser. No. 412,533. THE WOLWIN CHAIR CO., Willoughby, Ohio. Filed Nov. 8, 1938.

The Sandman

For Reclining Back Chairs.
Claims use since Sept. 20, 1938.

CLASS 33

Glassware

Ser. No. 411,880. MCGRAW ELECTRIC COMPANY, Chicago, Ill. Filed Oct. 21, 1938.

TOASTMASTER

For Receptacles for Household Use—Namely, Dishes of Glass.
Claims use since June 28, 1933.

Ser. No. 411,886. MCGRAW ELECTRIC COMPANY, Chicago, Ill. Filed Oct. 21, 1938.

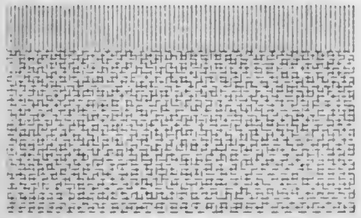
HOSPITALITY

For Receptacles for Household Use—Namely, Dishes of Glass.
Claims use since June 28, 1930.

CLASS 35

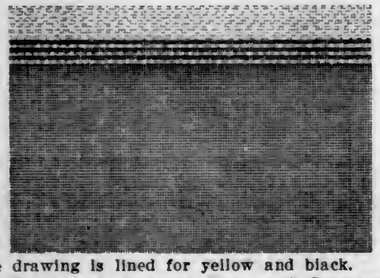
Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 412,320. THE AMERICAN BRAKE SHOE AND FOUNDRY COMPANY, doing business as American Brakeblok Division of The American Brake Shoe and Foundry Company, New York, N. Y., and Detroit, Mich. Filed Nov. 3, 1938.



The drawing is lined for red and yellow.
For Frictional Elements for Brakes and Clutches.
Claims use since Jan. 7, 1936.

Ser. No. 412,321. THE AMERICAN BRAKE SHOE AND FOUNDRY COMPANY, doing business as American Brakeblok Division of The American Brake Shoe and Foundry Company, New York, N. Y., and Detroit, Mich. Filed Nov. 3, 1938.



The drawing is lined for yellow and black.
For Fan Belts, Radiator Hose, and Generator Couplings Made Partly of Rubber.
Claims use since Oct. 2, 1934.

CLASS 36

Musical Instruments and Supplies

Ser. No. 408,836. ROBERT R. FROST, Los Angeles, Calif. Filed July 23, 1938.



The drawing is lined for red.
For Phonograph Records.
Claims use since Aug. 14, 1936.

CLASS 37

Paper and Stationery

Ser. No. 411,825. DELAWARE PAPER PRODUCTS CO., Wilmington, Del. Filed Oct. 20, 1938.

LEEDZALL.

For Paper Napkins.
Claims use since Oct. 13, 1938.

Ser. No. 411,949. THE DIAMOND MATCH COMPANY, New York, N. Y. Filed Oct. 22, 1938.



For Toilet Tissue.
Claims use since July 6, 1938.

CLASS 38

Prints and Publications

Ser. No. 405,352. FAWCETT PUBLICATIONS, INC., Greenwich, Conn. Filed Apr. 16, 1938.

RadioVision
THE MAGAZINE OF TELEVISION

For Monthly Magazine.
Claims use since Apr. 1, 1938.

Ser. No. 411,848. INVESTMENT REGISTRY OF AMERICA, INC., Philadelphia, Pa. Filed Oct. 20, 1938.

CURRENT COMMENTS

For Monthly Financial Publication.
Claims use since June, 1924.

CLASS 39

Clothing

Ser. No. 380,079. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed June 22, 1936.

HANDY-WEAR

The word "Wear" is disclaimed apart from the mark.
For Children's Underwear.
Claims use since July 1, 1927.

Ser. No. 390,885. BERNHARD ALTMANN, Vienna, Austria. Filed Apr. 2, 1937.

SELFIX

For Socks and Stockings and Shawls for Personal Wear.
Claims use since January, 1933.

Ser. No. 400,112. JAME-WOLF CO., Terre Haute, Ind. Filed Nov. 24, 1937.

WOLF-TEX

For Ladies' and Children's Wearing Apparel—Namely, Dresses, Hats, Caps, and Sweaters.
Claims use since Jan. 2, 1937.

Ser. No. 402,579. STYLE TRADES, INC., New York, N. Y. Filed Feb. 1, 1938.

EXCLUSIVE
Clara Louise
a new
Young American Fashion

The words "Exclusive" and "A new Young American Fashion" are disclaimed apart from the mark.
For Women's and Misses' Dresses.
Claims use since September, 1937.

Ser. No. 404,908. SAM'S CUT RATE, INC., Detroit, Mich. Filed Apr. 5, 1938.

DETROITER



The term "Detroiter" is disclaimed apart from the mark.
For Men's and Boy's Underwear; Dress, Negligee, and Work Shirts, and Pajamas.
Claims use since 1935.

Ser. No. 406,586. DOROTHEA SANDERS HAT, New York, N. Y. Filed May 21, 1938.

Dorothea Sandrae

For Misses' and Women's Sport Clothes—Namely, Shirts, Jackets, Caps, Dresses, Scarfs, Belts for Outer Wear and Garter Belts. Girdles, Pants, Tights, Stockings, Slips, Bloomers, Brassières, Leather and Fabric Gauntlets and Gloves.
Claims use since Apr. 2, 1938.

Ser. No. 408,172. SPILKER, DORFMONT & KRAVITZ, St. Louis, Mo. Filed July 2, 1938.

PARIS LONDON
Miss Petite
FASHIONED BY
SPILMONT

The words "Paris", "London", and "Fashioned By" are disclaimed apart from the mark.
For Women's and Misses' Dresses, Coats, and Suits.
Claims use since June 1, 1936.

Ser. No. 409,402. LOUIS KLEINMAN, Brooklyn, N. Y. Filed Aug. 9, 1938.

Kingleigh-Kushion

No claim is made to the word "Kushion" apart from the mark.
For Sweatbands for Hats Sold Separate and Apart from the Hats.
Claims use since Aug. 4, 1938.

Ser. No. 409,561. MEYER COHEN, doing business as Goodcraft Garment Co., Brooklyn, N. Y. Filed Aug. 13, 1938.

Sorelle

For Ladies' Underwear, Dresses, Pajamas, Bloomers, and Aprons.
Claims use since May, 1938.

Ser. No. 409,664. WOLVERINE KNITTING MILLS, Bay City, Mich. Filed Aug. 16, 1938.

du Bar

For Underwear and Garments for Women and Children—Namely, Panties, Slips, Pajamas, Night-Gowns, Chemises, Combinations, Bloomers, Stepins, Bed Jackets; and Underwear for Men—Namely, Pajamas, Night-Shirts, Shirts, Shorts, and Drawers.
Claims use since Mar. 1, 1938.

Ser. No. 410,000. LOS ANGELES KNITTING MILLS, LTD., Hollydale, Calif. Filed Aug. 26, 1938.

Laino

For Garments of Wool Fabric—Namely, Suits and Coats for Women and Misses.
Claims use since May 6, 1938.

Ser. No. 410,358. CASTLE GATE HOSIERY AND GLOVE CO., INC., New York, N. Y. Filed Sept. 8, 1938.

ROYAL SCOT

No claim is made to the word "Scot" except as shown.
For Stockings, Socks, Knitted Gloves, and Sweaters.
Claims use since 1926.

Ser. No. 410,780. FAMOUS-STERNBERG, INC., New Orleans, La. Filed Sept. 20, 1938.

Mirro-Kool

The word "Kool" is disclaimed apart from the mark.
For Men's and Boys' Suits and Pants of Linens, Seersuckers, Cottons, and Other Cloths, and Men's and Boys' Outer Shirts.
Claims use since Sept. 6, 1938.

Ser. No. 410,934. SOUTHERN HANDKERCHIEF MFG CO., Greenville, S. C. Filed Sept. 23, 1938.

Personalized HANDKERCHIEF AS YOU LIKE IT

The word "Handkerchief" is disclaimed except as shown.
For Handkerchiefs.
Claims use since June 17, 1938.

Ser. No. 411,278. NATIONAL DRESS COMPANY, St. Louis, Mo. Filed Oct. 4, 1938.



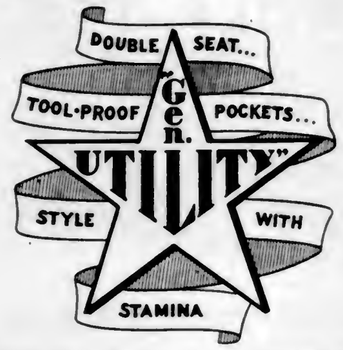
The picture is fanciful.
For Women's and Misses' Dresses.
Claims use since September, 1937.

Ser. No. 411,290. S. D. ARROWOOD & COMPANY, New York, N. Y. Filed Oct. 5, 1938.

Velva Crepe

The word "Crepe" is disclaimed apart from the mark.
For Hosiery.
Claims use since May, 1938.

Ser. No. 411,310. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Oct. 5, 1938.



No claim is made to the words "Double Seat, Tool-Proof Pockets, Utility, Style With Stamina," except as shown.
For Men's and Boys' Trousers.
Claims use since Aug. 19, 1937.

Ser. No. 411,356. ADAM HAT STORES, INC., New York, N. Y. Filed Oct. 7, 1938.

HI-FELLA

For Men's Hats.
Claims use since July 11, 1938.

Ser. No. 411,358. ADAM HAT STORES, INC., New York, N. Y. Filed Oct. 7, 1938.

"Shagger"

For Men's Hats.
Claims use since Aug. 15, 1938.

Ser. No. 411,359. ADAM HAT STORES, INC., New York, N. Y. Filed Oct. 7, 1938.

SCOTS-GUARD

For Men's Hats.
Claims use since July 11, 1938.

Ser. No. 411,432. PINCUS BROS., INC., Philadelphia, Pa. Filed Oct. 4, 1938.

Movietown Designs FASHIONED IN hollywood

The words "Designs" and "Fashioned in Hollywood" are disclaimed apart from the mark.
For Suits, Coats, Vests, Pants, Topcoats, and Overcoats for Men.
Claims use since January, 1938.

Ser. No. 411,486. BELLE KNITTING CORP., New York, N. Y. Filed Oct. 11, 1938.

Accordion Wintees

The word "Accordion" is disclaimed apart from the mark.
For Ladies' and Children's Underwear.
Claims use since Sept. 8, 1938.

Ser. No. 411,574. W. T. GRANT COMPANY, New York, N. Y. Filed Oct. 13, 1938.

The KNOTTER

For Women's Slippers Made of Leather and Fabric and Combinations Thereof.
Claims use since Aug. 29, 1938.

Ser. No. 411,607. SOL W. KATZ & COMPANY, Philadelphia, Pa. Filed Oct. 14, 1938.

UNIVERSAL CLUB

Men's Trousers, Vests, Jackets, Suits, Rain Coats, and Overcoats.
Claims use since Sept. 27, 1938.

Ser. No. 411,797. HARVEY ROSEN, Brooklyn, N. Y. Filed Oct. 19, 1938.

Thorobred CREATED FOR SPEED

For Men's, Women's, and Children's Shoes, Made of Leather, Canvas, Fabric, or Compositions or Combinations Thereof.
Claims use since September, 1937.

Ser. No. 411,956. THE LA SALLE HAT COMPANY, Philadelphia, Pa. Filed Oct. 22, 1938.



For Men's and Boys' Hats and Caps and Ladies' Hats.
Claims use since Aug. 15, 1938.

Ser. No. 412,037. THE L. V. MARKS & SONS COMPANY, Cincinnati, Ohio. Filed Oct. 25, 1938.

Aero glide

For Women's Shoes of Leather, Fabric, and Combinations of These Materials.
Claims use since Oct. 6, 1938.

Ser. No. 412,038. THE L. V. MARKS & SONS COMPANY, Cincinnati, Ohio. Filed Oct. 25, 1938.

Aerotized

For Women's Shoes of Leather, Fabric, and Combinations of These Materials.
Claims use since Oct. 6, 1938.

Ser. No. 412,066. MAIDEN FORM BRASSIERE COMPANY, INC., New York, N. Y. Filed Oct. 26, 1938.



For Brassières, Bandeaux, Corsets, Corselets, Panties, Pantie-Girdles, Girdles, and Garter-Belts.
Claims use since Oct. 25, 1938.

Ser. No. 412,099. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J. Filed Oct. 27, 1938.

"FRATERNITY"

For Hosiery.
Claims use since Sept. 30, 1938.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 411,439. AUGUSTO J. ANDREWS, doing business as Pawtucket Standard Braid Company, Pawtucket, R. I. Filed Oct. 10, 1938.



No claim is made to the word "Fulton" except as shown.
For Shoe Laces and Braids.
Claims use since Nov. 21, 1935.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 411,064. WILLY WEIDNER SHOE STYLE STUDIO, New York, N. Y. Filed Sept. 28, 1938.

MANANA

For Shoe Fabrics for the Exterior of the Shoe and Drapery Fabrics in the Piece Made of Silk, Wool, Cotton, Rayon, and Mixtures Thereof.
Claims use since Sept. 20, 1938.

Ser. No. 411,154. CARLTON MILLS CO., INC., Philadelphia, Pa. and New York, N. Y. Filed Oct. 1, 1938.

ARISTOKURL

No claim is made to the word "Kurl" apart from the mark.
For Woolen Piece Goods.
Claims use since Feb. 23, 1938.

Ser. No. 411,155. CARLTON MILLS CO., INC., Philadelphia, Pa. and New York, N. Y. Filed Oct. 1, 1938.

QUALAKURL

For Woolen Piece Goods.
Claims use since Mar. 17, 1938.

Ser. No. 411,203. ART SILK CORPORATION, New York, N. Y. Filed Oct. 3, 1938.

Feather-Down

For Silk Goods in the Piece.
Claims use since Feb. 7, 1937.

CLASS 43

Thread and Yarn

Ser. No. 399,956. THE DOW CHEMICAL COMPANY, Midland, Mich. Filed Nov. 20, 1937.

ETHORAON

For Thread and Yarn Comprising Chiefly Ethyl Cellulose.
Claims use since Nov. 2, 1937.

Ser. No. 406,933. MERKEL & KIENLIN, G. M. B. H., Esslingen-Neckar, Germany. Filed May 31, 1938.

Twilady

For Yarns.
Claims use since Jan. 15, 1938.

Ser. No. 411,701. MORELL NOVELTY COMPANY, INC., New York, N. Y. Filed Oct. 17, 1938.

SYL-VELL

For Yarn.
Claims use since Sept. 27, 1938.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 410,029. W. GORDON GRANT, Atlanta, Ga. Filed Aug. 27, 1938.

Blue Streke

For Non-Alcoholic, Maltless Carbonated Beverages.
Claims use since July 7, 1938.

Ser. No. 410,030. W. GORDON GRANT, Atlanta, Ga. Filed Aug. 27, 1938.

Sun-Glo

For Non-Alcoholic, Maltless Carbonated Beverages.
Claims use since July 21, 1938.

Ser. No. 410,952. DR. PEPPER BOTTLING CO. OF DENVER, Denver, Colo. Filed Sept. 24, 1938.

SANTA FE TRAIL

Applicant disclaims the words "Santa Fe" apart from the mark.
For Non-Alcoholic, Non-Cereal, Maltless Beverages, Sold as Soft Drinks and Sirups and Extracts for Making the Same.
Claims use since August, 1937.

Ser. No. 411,015. E. A. SILZLE CORPORATION, Anaheim, Calif. Filed Sept. 26, 1938.

CITRA-GOLD

For Canned Maltless Non-Alcoholic Citrus Fruit Juices for Beverage Purposes.
Claims use since July 1, 1937.

Ser. No. 411,043. LEE A. WOODS, Elizabeth, N. J. Filed Sept. 27, 1938.

PNY-POP

The word "Pop" is disclaimed apart from the mark.
For Maltless Soft Drinks.
Claims use since Aug. 25, 1938.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 384,554. POLAR ICE CREAM & CREAMERY CO., INC., Pensacola, Fla. Filed Oct. 19, 1936.

BANK ACCOUNTS

For Ice Cream Bars and Candy Bars.
Claims use since May 1, 1936.

Ser. No. 398,633. ADDISON E. PHILLEO, Des Moines, Iowa. Filed Oct. 18, 1937.

BAR-B-Q-BURGER

For Sandwiches.
Claims use since Aug. 1, 1937.

Ser. No. 404,515. THE COLTER COMPANY, Cincinnati, Ohio. Filed Mar. 26, 1938.

CLOVER VALLEY

For Self Rising Wheat Flour.
Claims use since Aug. 1, 1921.

Ser. No. 409,850. NIFTY NUT HOUSE COMPANY, Topeka, Kans. Filed Aug. 22, 1938.

Nifty NUT HOUSE

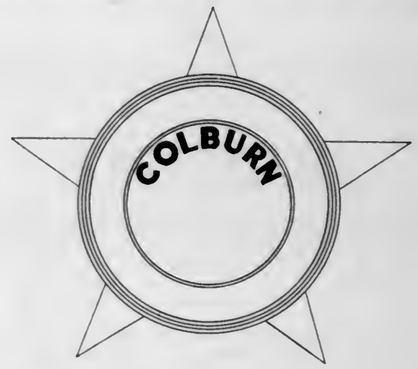
No claim is made to the words "Nut House" apart from the mark.
For Nuts.
Claims use since Oct. 15, 1937.

Ser. No. 411,017. SUPREME QUALITY PRODUCTS, INC., Whittier, Calif. Filed Sept. 26, 1938.



The words "Supreme Quality" and "Ice Cream" are claimed only in the association shown.
For Ice Cream.
Claims use since February, 1933.

Ser. No. 411,120. EASTERN SEMOLINA MILLS, INC., New York and Baldwinsville, N. Y. Filed Sept. 30, 1938.



For Semolina.
Claims use since Aug. 2, 1938.

Ser. No. 411,237. NEW FOODS, INC., Chicago, Ill. Filed Oct. 3, 1938.

CHEEZ Trix

The word "Cheez" is disclaimed apart from the mark.
For Cheese-Coated Puffed Corn.
Claims use since Sept. 9, 1938.

Ser. No. 411,274. I. F. LAUCKS, INCORPORATED, Portsmouth, Va. Filed Oct. 4, 1938.



For Soya Bean Flour for Food Consumption.
Claims use since Sept. 8, 1938.

Ser. No. 411,307. THE O'BRIEN MILLING COMPANY, Greenville, Ohio. Filed Oct. 5, 1938.

INTENSIFIED

For Wheat Flour.
Claims use since May 1, 1931.

Ser. No. 411,553. LIPA STERN, doing business as Palestine Kosher Products Co., New York, N. Y. Filed Oct. 12, 1938.

JELL-MA

The word "Jell" is disclaimed apart from the mark.
For Kosher Vegetable Desserts.
Claims use since Aug. 22, 1938.

Ser. No. 411,684. EATA BITA POPCORN CO., Emporia, Kans. Filed Oct. 17, 1938.



No claim is made to the words "Popt Korn" apart from the mark.
For French Fried Popcorn.
Claims use since Sept. 8, 1938.

Ser. No. 411,754. ROCHELLE ASPARAGUS COMPANY, Rochelle, Ill. Filed Oct. 18, 1938.

JUNE DAY

For Canned Asparagus.
Claims use since June 10, 1932.

Ser. No. 411,995. HARDIE BROTHERS COMPANY, Pittsburgh, Pa. Filed Oct. 24, 1938.

Aunt Minnie

For Candy.
Claims use since Oct. 19, 1938.

Ser. No. 412,043. E. H. SPIEGL, Salinas, Calif. Filed Oct. 25, 1938.



The picture is fanciful.
For Fresh Vegetables.
Claims use since Sept. 20, 1938.

Ser. No. 412,044. E. H. SPIEGL, Salinas, Calif. Filed Oct. 25, 1938.



The picture is fanciful.
For Fresh Vegetables.
Claims use since Sept. 20, 1938.

Ser. No. 412,071. FINGER LAKES AND HUDSON FLOUR MILLS, INC., Troy, N. Y. Filed Oct. 26, 1938.



For Wheat Flour.
Claims use since Oct. 11, 1938.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 411,316. FRED WOLFERMAN, INC., Kansas City, Mo. Filed Oct. 5, 1938.

Barondale

For Whiskey.
Claims use since March, 1912.

Ser. No. 411,675. BEN-BURK, INC., Boston, Mass. Filed Oct. 17, 1938.

BOURBONET

For Liqueurs.
Claims use since Oct. 10, 1938.

Ser. No. 412,276. MAISON BLANCHE COMPANY, New Orleans, La. Filed Nov. 2, 1938.



For Bourbon Whiskey.
Claims use since May 25, 1938.

Ser. No. 412,294. JOSEPH S. FINCH AND COMPANY, New York, N. Y., and Shenley, Pa. Filed Nov. 2, 1938.

FROSTBITE

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Apr. 26, 1938.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 401,593. AMERICAN HAIR & FELT COMPANY, Chicago, Ill. Filed Jan. 6, 1938.

CASTLE

For Rug and Carpet Pads or Underlinings.
Claims use since Oct. 8, 1937.

Ser. No. 410,820. ANIMAL TRAP COMPANY OF AMERICA, Lititz, Pa. Filed Sept. 21, 1938.





The mark consists of a large red V in combination with a red bait-pedal. No claim is made to the red bait-pedal apart from the mark.
For Animal Traps.
Claims use since Oct. 14, 1935.

Ser. No. 410,822. ANIMAL TRAP COMPANY OF AMERICA, Lititz, Pa. Filed Sept. 21, 1938.



The drawing is lined for red.
For Animal Traps.
Claims use since Oct. 14, 1935.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

DECEMBER 20, 1938

363,253. FOLDING PARTITIONS, ROLLING PARTITIONS, AND SHUTTERS. H. B. DODGE AND COMPANY, Chicago, Ill.
Filed September 24, 1934. Serial No. 356,340. PUBLISHED OCTOBER 11, 1938. Class 12.

363,254. EQUIPMENT FOR THE PARENTERAL ADMINISTRATION OF LIQUIDS, ACCESSORIES THEREFOR, AND PARTS THEREOF, ETC. STERISOL AMPOULE CORP., Long Island City, N. Y.
Filed December 9, 1935. Serial No. 372,441. PUBLISHED OCTOBER 11, 1938. Class 44.

363,255. SAFETY RAZOR BLADES. UNITED RAZOR BLADE CORPORATION, also doing business as United Blade Company, Chicago, Ill.
Filed January 25, 1936. Serial No. 374,101. PUBLISHED APRIL 21, 1936. Class 23.

363,256. POWER TOOLS — NAMELY, WOOD AND METAL TURNING LATHES, SANDERS, JOINTERS, JIG SAWS, BENCH SAWS, BAND SAWS, SHAPERS, FLEXIBLE SHAFT OUTFITS, ELECTRIC GRINDERS, AND METAL CUTTING ATTACHMENTS FOR SAME. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed July 3, 1936. Serial No. 380,595. PUBLISHED OCTOBER 11, 1938. Class 23.

363,257. PORTLAND CEMENT. "SPLIT" ANONIMNO DRUŠTVO ZA CEMENT PORTLAND, Split, Yugoslavia.
Filed January 19, 1937. Serial No. 387,955. PUBLISHED OCTOBER 11, 1938. Class 12.

363,258. FINELY SHREDDED BARK FOR THERMAL AND SOUND INSULATION. THE PACIFIC LUMBER COMPANY, San Francisco, Calif.
Filed February 19, 1937. Serial No. 389,149. PUBLISHED MAY 11, 1937. Class 12.

363,259. LUMBER. PLUNKETT-WEBSTER LUMBER CO., INC., New Rochelle, N. Y.
Filed July 1, 1937. Serial No. 394,754. PUBLISHED OCTOBER 4, 1938. Class 12.

363,260. JUVENILE VEHICLES COMPRISING VELOCIPEDES. THE AMERICAN NATIONAL COMPANY, Toledo, Ohio.
Filed July 12, 1937. Serial No. 395,115. PUBLISHED OCTOBER 4, 1938. Class 22.

363,261. STOVES, RANGES, AND HOT-AIR FURNACES OF THE TYPES HEATED BY COAL, WOOD, AND GAS, AND PARTS OF SUCH STOVES, RANGES, AND HOT-AIR FURNACES. CRIBBEN & SEXTON COMPANY, Chicago, Ill.
Filed July 12, 1937. Serial No. 395,126. PUBLISHED OCTOBER 11, 1938. Class 34.

363,262. FURNITURE—VIZ., SOFAS, CHAIRS, BEDS, AND BEDSTEADS, AND MATTRESSES, PILLOWS, BOLSTERS, AND CUSHIONS. OSTERMOOR & COMPANY, INC., New York, N. Y.
Filed July 21, 1937. Serial No. 395,484. PUBLISHED OCTOBER 4, 1938. Class 32.

363,263. GASOLINE. ASHLAND OIL & REFINING COMPANY, Ashland, Ky.
Filed August 26, 1937. Serial No. 396,756. PUBLISHED OCTOBER 4, 1938. Class 15.

363,264. THE FOLLOWING CANNED GOODS: LIMA BEAN LOAF, MACARONI WITH CHEESE, ENCHILADAS, SPAGHETTI. CALIFORNIA CONSOLIDATED CANNERIES, INC., Los Angeles, Calif.
Filed September 1, 1937. Serial No. 396,976. PUBLISHED OCTOBER 11, 1938. Class 46.

363,265. PREPARED FLOURS FOR THE FOLLOWING GOODS--WAFFLE, WHOLE WHEAT WAFFLE, BISCUIT, PIE CRUST, DOUGHNUT, ETC. MODERN MAID FOOD PRODUCTS, Brooklyn, N. Y.
Filed September 23, 1937. Serial No. 397,717. PUBLISHED OCTOBER 11, 1938. Class 46.

363,266. ELECTRIC RAZORS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed November 6, 1937. Serial No. 399,428. PUBLISHED JANUARY 11, 1938. Class 23.

363,267. FEEDS FOR LIVESTOCK AND POULTRY. LOUISVILLE DRYING MACHINERY COMPANY, INCORPORATED, Louisville, Ky.
Filed November 13, 1937. Serial No. 399,716. PUBLISHED OCTOBER 11, 1938. Class 46.

363,268. WHISKEY. GOODERHAM & WORTS LIMITED, Detroit, Mich., and Peoria, Ill.
Filed December 13, 1937. Serial No. 400,761. PUBLISHED JANUARY 18, 1938. Class 49.

363,269. RUGS, CARPETS, LINENS, SILK CREPE IN THE PIECE, BLANKETS, SHEETS, PILLOWCASES, AND TOWELS. R. H. MACY & CO., INC., New York, N. Y.
Filed December 16, 1937. Serial No. 400,915. PUBLISHED OCTOBER 11, 1938. Class 42.

363,270. NONMETALLIC BUILDING MATERIALS IN THE NATURE OF STRUCTURAL FIBRE-BOARDS, SLABS, SHEETS, AND TILES, FOR COVERING AND LINING WALLS, FLOORS, AND CEILINGS. DAVID E. KENNEDY, INC., Brooklyn, N. Y.
Filed January 3, 1938. Serial No. 401,490. PUBLISHED MARCH 1, 1938. Class 12.

363,271. FABRICS IN THE PIECE OF SILK. HARRY L. SHEINMAN & SONS INC., New York, N. Y.
Filed January 11, 1938. Serial No. 401,790. PUBLISHED OCTOBER 11, 1938. Class 42.

363,272. FOOD PRODUCT MADE OF CHEESE AND EDIBLE VEGETABLE OIL FOR USE AS AN INGREDIENT IN MAKING A CHEESE FLAVORED FOOD PRODUCT FOR COATING POPCORN AND OTHER FOODS. THE BORDEN COMPANY, New York, N. Y.
Filed January 14, 1938. Serial No. 401,886. PUBLISHED MAY 17, 1938. Class 46.

363,273. STEEL STRAPPING, EITHER COATED OR UNCOATED, AND EMPLOYED IN REINFORCING BOXES, CRATES, AND THE LIKE. ACME STEEL COMPANY, Chicago, Ill.
Filed January 17, 1938. Serial No. 401,972. PUBLISHED OCTOBER 11, 1938. Class 13.

363,274. MEASURING AND CONTROL INSTRUMENTS AND APPARATUS FOR AUTOMATICALLY CONTROLLING AN OPERATION RESPONSIVELY TO THE FLUCTUATIONS OF A VARIABLE CONDITION. THE BROWN INSTRUMENT COMPANY, Philadelphia, Pa.
Filed January 22, 1938. Serial No. 402,214. PUBLISHED OCTOBER 11, 1938. Class 26.

363,275. DYED FURS. OAKLAND FUR DYEING CO., INC., New York, N. Y.
Filed January 24, 1938. Serial No. 402,270. PUBLISHED OCTOBER 11, 1938. Class 1.

363,276. SCISSORS AND SHEARS. THE CLAYTON MANUFACTURING COMPANY, Bristol, Conn.
Filed February 2, 1938. Serial No. 402,590. PUBLISHED OCTOBER 11, 1938. Class 23.

363,277. FARM AND GARDEN SEEDS. NEWDAY SEEDS, INC., Fargo, N. Dak.
Filed March 2, 1938. Serial No. 403,611. PUBLISHED OCTOBER 11, 1938. Class 1.

363,278. SALTED PEANUTS. PEANUT PRODUCTS COMPANY, Des Moines, Iowa.
Filed March 5, 1938. Serial No. 403,733. PUBLISHED MAY 31, 1938. Class 46.

363,279. FRUIT JUICES FOR FOOD PURPOSES. BIRELEY'S INC., Hollywood, Calif.
Filed March 22, 1938. Serial No. 404,348. PUBLISHED OCTOBER 11, 1938. Class 46.

363,280. SMOKERS' PIPES. SYDNEY BERTRAM GOLDMAN, Washington, D. C.
Filed April 4, 1938. Serial No. 404,848. PUBLISHED OCTOBER 11, 1938. Class 8.

363,281. VIOLET RAY APPARATUS AND PARTS, ELECTRICAL VIBRATORS FOR BODY TREATMENT, SUNLIGHT LAMPS, GAS AND ELECTRICAL HAIR DRYERS, GAS AND ELECTRICAL MULTIPLE TYPE OR SYSTEM HAIR-DRYERS, GAS AND ELECTRICAL HAND AND FACE DRYERS, ELECTRICAL CURLING IRON HEATERS, STEAMERS (APPARATUS FOR SUPPLYING VAPOR AND MEDICAMENTS TO THE FACE AND SKIN). EASTERN LABORATORIES, INC., New York, N. Y.
Filed April 5, 1938. Serial No. 404,889. PUBLISHED OCTOBER 11, 1938. Class 44.

363,282. WHISKY. DUNCAN WESTON & COMPANY LIMITED, London, England.
Filed April 12, 1938. Serial No. 405,188. PUBLISHED OCTOBER 4, 1938. Class 49.

363,283. PAINTS FOR ROOFING AND SIDING MATERIALS PARTICULARLY ADAPTED FOR PROTECTING AND PRESERVING EXPOSED SURFACES OF ASPHALT, OF METALLIC, AND OF ASBESTOS NATURE. TILO ROOFING COMPANY, INC., Stratford, Conn.
Filed April 26, 1938. Serial No. 405,745. PUBLISHED OCTOBER 11, 1938. Class 16.

363,284. CANNED PINEAPPLE. HAWAIIAN PINEAPPLE COMPANY, LTD., Honolulu, Territory of Hawaii, and San Francisco, Calif.
Filed May 9, 1938. Serial No. 406,131. PUBLISHED OCTOBER 11, 1938. Class 46.

363,285. GRAVITY ROOF VENTILATORS. JAMES MANUFACTURING COMPANY, Fort Atkinson, Wis.
Filed May 18, 1938. Serial No. 406,451. PUBLISHED OCTOBER 11, 1938. Class 34.

363,286. POLISHES, POLISHING WAXES, AND POLISHING OIL, TO BE APPLIED TO FLOORS, WOOD, LINOLEUM, VEHICLES, AND TO PAINTED, VARNISHED, AND LACQUERED SURFACES. THE J. R. WATKINS COMPANY, Winona, Minn.
Filed May 21, 1938. Serial No. 406,610. PUBLISHED OCTOBER 11, 1938. Class 16.

363,287. BEERS. BERLINER SCHLOSSBRAUEREI AKTIENGESELLSCHAFT, Berlin-Schoneberg, Germany.
Filed May 25, 1938. Serial No. 406,705. PUBLISHED OCTOBER 11, 1938. Class 48.

363,288. BEERS. BERLINER SCHLOSSBRAUEREI AKTIENGESELLSCHAFT, Berlin-Schoneberg, Germany.
Filed May 25, 1938. Serial No. 406,706. PUBLISHED OCTOBER 11, 1938. Class 48.

363,289. GASOLINE AND LUBRICATING OILS AND GREASES. LOGAN BULK FILLING STATION, INC., Logan, Ohio.
Filed May 25, 1938. Serial No. 406,725. PUBLISHED SEPTEMBER 13, 1938. Class 15.

363,290. BLUE-PRINT AND DRAWING PAPERS. STRATHMORE PAPER COMPANY, West Springfield, Mass.
Filed May 25, 1938. Serial No. 406,737. PUBLISHED AUGUST 16, 1938. Class 37.

363,291. DENTAL RESTORATIONS. WASHINGTON DENTAL COMPANY, Washington, D. C.
Filed June 10, 1938. Serial No. 407,341. PUBLISHED OCTOBER 11, 1938. Class 44.

363,292. DENTAL RESTORATIONS. WASHINGTON DENTAL COMPANY, Washington, D. C.
Filed June 10, 1938. Serial No. 407,342. PUBLISHED OCTOBER 11, 1938. Class 44.

363,293. DENTAL RESTORATIONS. WASHINGTON DENTAL COMPANY, Washington, D. C.
Filed June 10, 1938. Serial No. 407,343. PUBLISHED OCTOBER 11, 1938. Class 44.

363,294. DENTAL RESTORATIONS. WASHINGTON DENTAL COMPANY, Washington, D. C.
Filed June 10, 1938. Serial No. 407,344. PUBLISHED OCTOBER 11, 1938. Class 44.

363,295. LUMBER, WOODWORK, PANELING, FLOORING, AND OTHER STANDARD SAW AND PLANING MILL PRODUCTS. ARKANSAS SOFT PINE BUREAU, Little Rock, Ark.
Filed June 16, 1938. Serial No. 407,516. PUBLISHED OCTOBER 11, 1938. Class 12.

363,296. DENTAL CASTING GOLDS, ESPECIALLY COMPOUNDED PREPARATIONS, TO BE USED FOR STRUCTURAL SERVICE BY DENTISTS, TECHNICIANS, AND LABORATORIES, CONTAINING HIGH GRADE DENTAL ALLOYS, DENTAL GOLDS AND SOLDERS, AND AMALGAM. ROSA E. TUTTLE, Newark, N. J.
Filed June 20, 1938. Serial No. 407,700. PUBLISHED OCTOBER 11, 1938. Class 44.

363,297. BUILDERS' HARDWARE—NAMELY, DOOR CHECKS. THE OSCAR C. RIXSON CO., Chicago, Ill.
Filed June 22, 1938. Serial No. 407,763. PUBLISHED OCTOBER 11, 1938. Class 13.

363,298. HEAVY LUBRICATING OIL. SOCIETE COMMERCIALE DES PRODUITS DU PETROLE, Paris, France.
Filed June 22, 1938. Serial No. 407,770. PUBLISHED SEPTEMBER 27, 1938. Class 15.

363,299. CURTAINS AND CURTAIN MATERIALS. THE CROMWELL PAPER CO., Chicago, Ill.
Filed June 23, 1938. Serial No. 407,793. PUBLISHED OCTOBER 11, 1938. Class 42.

363,300. BITUMINOUS PAVING MATERIALS. THE GENERAL CRUSHED STONE COMPANY, Easton, Pa.
Filed June 23, 1938. Serial No. 407,805. PUBLISHED OCTOBER 11, 1938. Class 12.

363,301. WHISKY. RIPY BROS. DISTILLERS, INCORPORATED, Tyrone, Ky., assignor, by mesne assignments, to T. B. Ripy, Lawrenceburg, Ky.
Filed June 23, 1938. Serial No. 407,820. PUBLISHED OCTOBER 4, 1938. Class 49.

363,302. HAND-OPERATED PORTABLE FIRE EXTINGUISHERS. PYRENE MANUFACTURING COMPANY, Newark, N. J.
Filed June 25, 1938. Serial No. 407,918. PUBLISHED OCTOBER 11, 1938. Class 23.

363,303. LUNCHES COMPRISING CHICKEN, POTATOES, AND ROLLS. BEVERLY OSBORNE, doing business as Beverly's and Beverly's Drive-In, Oklahoma City, Okla.
Filed June 27, 1938. Serial No. 407,959. PUBLISHED OCTOBER 11, 1938. Class 46.

363,304. FACTORY FITTED WINDOW UNITS, INCLUDING FRAMES, WINDOWS, STORM SASHES, AND SCREENS. ROACH & MUSSER COMPANY, Muscatine, Iowa.
Filed June 30, 1938. Serial No. 408,074. PUBLISHED OCTOBER 4, 1938. Class 12.

363,305. NONALCOHOLIC, MALTLESS EXTRACTS AND CONCENTRATED MIXED FRUIT SYRUPS USED IN THE PREPARATION OF SOFT DRINKS, AND NONALCOHOLIC, MALTLESS BEVERAGES MADE FROM SAID EXTRACTS AND CONCENTRATES. J. F. LAZIER MANUFACTURING CO., INC., St. Louis, Mo.
Filed July 1, 1938. Serial No. 408,112. PUBLISHED OCTOBER 11, 1938. Class 45.

363,306. WOOLEN PIECE GOODS, PARTICULARLY THE FABRIC FROM WHICH MEN'S OUTER GARMENTS, INCLUDING TOPCOATS, ARE MADE. NEW PROCESS COMPANY, Warren, Pa.
Filed July 1, 1938. Serial No. 408,125. PUBLISHED OCTOBER 11, 1938. Class 42.

363,307. WHISKEY. BARDSTOWN DISTILLERY, INC., Bardstown, Ky.
Filed July 2, 1938. Serial No. 408,148. PUBLISHED OCTOBER 11, 1938. Class 49.

363,308. METAL PIPES, TUBES, AND WELL CASINGS. THE YOUNGSTOWN SHEET & TUBE COMPANY, Youngstown, Ohio.
Filed July 2, 1938. Serial No. 408,175. PUBLISHED OCTOBER 11, 1938. Class 13.

363,309. JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES. FELCH & Co., Providence, R. I.
Filed July 7, 1938. Serial No. 408,272. PUBLISHED OCTOBER 11, 1938. Class 28.

363,310. ASPHALT COMPOSITION ROOFING AND BUILDING PAPERS, STEEL ROOFING AND SHEETS, ROOFING TIN. OHIO VALLEY HARDWARE & ROOFING COMPANY, Evansville, Ind.
Filed July 13, 1938. Serial No. 408,472. PUBLISHED OCTOBER 4, 1938. Class 12.

363,311. FINGER RINGS. MELVIN A. REICH, Buffalo, N. Y.
Filed July 13, 1938. Serial No. 408,475. PUBLISHED OCTOBER 11, 1938. Class 28.

363,312. LUBRICATING OILS AND GREASES AND FOR PETROLEUM FUEL DISTILLATES IN THE NATURE OF GASOLINE, DIESEL-ENGINE FUEL, FURNACE OILS, AND THE LIKE. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed July 14, 1938. Serial No. 408,518. PUBLISHED OCTOBER 4, 1938. Class 15.

363,313. PELTS AND SKINS. SILVERMAN & GREAN, INC., New York, N. Y.
Filed July 16, 1938. Serial No. 408,580. PUBLISHED OCTOBER 11, 1938. Class 1.

363,314. PELTS AND SKINS. SILVERMAN & GREAN, INC., New York, N. Y.
Filed July 16, 1938. Serial No. 408,581. PUBLISHED OCTOBER 11, 1938. Class 1.

363,315. CANNED ANCHOVIES AND CUT-UP SPICED HERRING KNOWN AS GAFFELBITAR. WESTERGAARD, BERG-JOHNSEN CO., Brooklyn, N. Y.
Filed July 16, 1938. Serial No. 408,591. PUBLISHED OCTOBER 11, 1938. Class 46.

363,316. TOILET TISSUE AND PAPER TOWELS. THE LEONARD TISSUE COMPANY, Cambridge, Mass.
Filed July 18, 1938. Serial No. 408,606. PUBLISHED OCTOBER 11, 1938. Class 37.

363,317. VEHICLE WINDSHIELD WIPER BLADES. THE SLEETEX COMPANY, INC., New York, N. Y.
Filed July 18, 1938. Serial No. 408,625. PUBLISHED OCTOBER 11, 1938. Class 19.

363,318. BAKING POWDER AND COFFEE. RICH MAID MANUFACTURING COMPANY, INC., Richmond, Va.
Filed July 14, 1938. Serial No. 408,676. PUBLISHED OCTOBER 11, 1938. Class 46.

363,319. TEAS AND COFFEES. AUSTIN, NICHOLS & CO., INC., Brooklyn, N. Y.
Filed July 20, 1938. Serial No. 408,686. PUBLISHED OCTOBER 11, 1938. Class 46.

363,320. WATCH AND CLOCK DIALS. JOSEPH R. BREIVOGEL, doing business as P. J. Breivogel, New York, N. Y.
Filed July 20, 1938. Serial No. 408,688. PUBLISHED OCTOBER 11, 1938. Class 27.

363,321. NONALCOHOLIC, NONCEREAL, MALTLESS, MIXER BEVERAGE SOLD AS A SOFT DRINK, AND SIRUP AND EXTRACT FOR MAKING THE SAME. FRANK JOSEPH BECKER, Solon, Ohio.
Filed July 21, 1938. Serial No. 408,745. PUBLISHED OCTOBER 11, 1938. Class 45.

363,322. PEA SOUP, PORK AND BEANS, AND SOUPS. CATELLI FOOD PRODUCTS, LTD., Montreal, Quebec, Canada.
Filed July 21, 1938. Serial No. 408,751. PUBLISHED OCTOBER 11, 1938. Class 46.

363,323. GUMMED PAPER TAPE. MID-STATES GUMMED PAPER CO., Chicago, Ill.
Filed July 25, 1938. Serial No. 408,891. PUBLISHED OCTOBER 11, 1938. Class 37.

363,324. APPLE BUTTER, APPLE JELLY, CANNED BLACK EYED PEAS, CANNED BROWN BEANS, CANNED CHILI CON CARNE, COCOANUT, ETC. WAPLES PLATTER COMPANY, doing business as Great Western Foods Co., Fort Worth, Tex.
Filed July 25, 1938. Serial No. 408,909. PUBLISHED OCTOBER 11, 1938. Class 46.

363,325. MOTOR FUELS, GASOLINE, FUEL OILS, AUTOMOTIVE LUBRICATING OILS, AUTOMOTIVE LUBRICATING GREASES, HOUSEHOLD MACHINE OILS, KEROSENE, AND DIESEL OIL. FAX CORPORATION, New York, N. Y.
Filed July 26, 1938. Serial No. 408,916. PUBLISHED OCTOBER 11, 1938. Class 15.

363,326. PLAYGROUND EQUIPMENT—NAMELY, MERRY-GO-ROUNDS, WHIRLERS, SLIDES, GIANT STRIDES, ETC. TROJAN PLAYGROUND EQUIPMENT MANUFACTURING COMPANY, St. Cloud, Minn.
Filed July 28, 1938. Serial No. 409,014. PUBLISHED OCTOBER 11, 1938. Class 22.

363,327. MEN'S SUITS, OVERCOATS, AND TOPCOATS. WEINBERG CORPORATION, Chicago, Ill.
Filed July 28, 1938. Serial No. 409,017. PUBLISHED OCTOBER 4, 1938. Class 39.

363,328. TOY GUNS OR PISTOLS. SPOTSWOOD SPECIALTY COMPANY, Lexington, Ky.
Filed July 28, 1938. Serial No. 409,022. PUBLISHED OCTOBER 4, 1938. Class 22.

363,329. NURSERY CHAIR PADS, PLAY PEN PADS, CARRIAGE PADS, BASSINETTE PADS, BASKET PADS, AND HIGH CHAIR PADS. ARCHER MFG., Los Angeles, Calif.
Filed July 29, 1938. Serial No. 409,024. PUBLISHED OCTOBER 4, 1938. Class 32.

363,330. CLEANSING PREPARATION FOR ARTIFICIAL DENTURES. ORVILLE E. MCKIM, doing business as McKim Dental Service, Port Chester, N. Y.
Filed July 29, 1938. Serial No. 409,050. PUBLISHED OCTOBER 11, 1938. Class 4.

363,331. AUTOMOBILE TIRES. STATE TIRE CO., Philadelphia, Pa.
Filed July 29, 1938. Serial No. 409,065. PUBLISHED OCTOBER 11, 1938. Class 35.

363,332. JEWELRY FOR PERSONAL WEAR OR ADORNMENT NOT INCLUDING WATCHES. MILDRED CUNNINGHAM, New York, N. Y.
Filed July 30, 1938. Serial No. 409,087. PUBLISHED OCTOBER 11, 1938. Class 28.

363,333. WINES. JOSEPH MUTASCIO, New York, N. Y.
Filed July 30, 1938. Serial No. 409,102. PUBLISHED OCTOBER 11, 1938. Class 47.

363,334. WINES. JOSEPH MUTASCIO, New York, N. Y.
Filed July 30, 1938. Serial No. 409,103. PUBLISHED OCTOBER 11, 1938. Class 47.

363,335. HOSIERY. CLARENCE L. MEYERS & Co., Philadelphia, Pa.
Filed August 3, 1938. Serial No. 409,203. PUBLISHED OCTOBER 4, 1938. Class 39.

363,336. WRIST-WATCH BRACELETS, CLASPS, AND BUCKLES IN THE NATURE OF JEWELRY MADE IN WHOLE OR IN PART OF PRECIOUS METAL OR PLATED WITH THE SAME. A AND Z CHAIN COMPANY, Providence, R. I.
Filed August 5, 1938. Serial No. 409,250. PUBLISHED SEPTEMBER 27, 1938. Class 28.

363,337. ASPHALT COMPOSITION SHINGLES. GLOBE ROOFING PRODUCTS CO. INC., Chicago, Ill.
Filed August 5, 1938. Serial No. 409,269. PUBLISHED OCTOBER 11, 1938. Class 12.

363,338. LAWN MOWERS, LAWN SWEEPERS, LAWN TRIMMERS, AND GRASS COLLECTORS. PHILADELPHIA LAWN MOWER & MFG. CO., Philadelphia, Pa.
Filed August 5, 1938. Serial No. 409,282. PUBLISHED OCTOBER 11, 1938. Class 23.

363,339. LUBRICATING OILS AND GREASES. SWAN-FINCH OIL CORPORATION, New York, N. Y.
Filed August 5, 1938. Serial No. 409,289. PUBLISHED OCTOBER 11, 1938. Class 15.

363,340. PIECE GOODS OF COTTON, SIK, RAYON, WOOL, LINEN, AND/OR COMBINATIONS THEREOF. KLEIN BROTHERS FABRICS CORPORATION, New York, N. Y.
Filed August 6, 1938. Serial No. 409,319. PUBLISHED OCTOBER 11, 1938. Class 42.

363,341. ONION SOUP. FRENCH KITCHEN FOODS CORPORATION, Los Angeles, Calif.
Filed August 8, 1938. Serial No. 409,352. PUBLISHED OCTOBER 11, 1938. Class 46.

363,342. SAFETY RAZORS AND SAFETY RAZOR BLADES. GILLETTE SAFETY RAZOR COMPANY, Boston, Mass.
Filed August 9, 1938. Serial No. 409,398. PUBLISHED OCTOBER 11, 1938. Class 23.

363,343. ELECTRIC HAIR DRYERS. C. & W. MANUFACTURING CO., Chicago, Ill.
Filed August 10, 1938. Serial No. 409,418. PUBLISHED OCTOBER 11, 1938. Class 44.

363,344. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed August 10, 1938. Serial No. 409,424. PUBLISHED OCTOBER 11, 1938. Class 42.

363,345. FILING CARDS, FILING GUIDES, FOLDERS, PAPER EXPANDING FILES, AND PAPER FILING DEVICES FOR INSERTION IN DESK DRAWERS AND TRAYS. GOLDSMITH BROS., New York, N. Y.
Filed August 10, 1938. Serial No. 409,427. PUBLISHED OCTOBER 11, 1938. Class 37.

363,346. PIPES. NAAMLOOZE VENNOOTSCHAP GOEDEWAAGEN'S KONINKLIJKE HOLLANDSCHE PIJPEN- EN AARDEWERKFABRIEKEN, Gouda, Netherlands.
Filed August 10, 1938. Serial No. 409,433. PUBLISHED OCTOBER 11, 1938. Class 8.

363,347. CANNED VEGETABLES. SERGEANT & NICHOLOY, INC., Milwaukee, Wis.
Filed August 11, 1938. Serial No. 409,492. PUBLISHED OCTOBER 11, 1938. Class 46.

363,348. PHONOGRAPH NEEDLES. ELECTROVOX COMPANY, New York, N. Y.
Filed August 12, 1938. Serial No. 409,514. PUBLISHED OCTOBER 11, 1938. Class 36.

363,349. FILING CARDS, FILING GUIDES, FOLDERS, PAPER EXPANDING FILES, AND FOR PAPER FILING DEVICES FOR INSERTION IN DESK DRAWERS AND IN FILES. GOLDSMITH BROS., New York, N. Y.
Filed August 12, 1938. Serial No. 409,519. PUBLISHED OCTOBER 11, 1938. Class 37.

363,350. CASTING GOLD FOR DENTAL WORK. JULIUS ADERER, INC., New York, N. Y.
Filed August 13, 1938. Serial No. 409,550. PUBLISHED OCTOBER 11, 1938. Class 44.

363,351. WHEAT FLOUR. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn.
Filed August 13, 1938. Serial No. 409,588. PUBLISHED OCTOBER 11, 1938. Class 46.

363,352. MALT BEVERAGES OF NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT. REGAL AMBER BREWING COMPANY, San Francisco, Calif.
Filed August 15, 1938. Serial No. 409,621. PUBLISHED OCTOBER 11, 1938. Class 48.

363,353. CLEANING SOLVENT COMPOUND FOR USE IN GENERAL HOUSEHOLD AND INDUSTRIAL CLEANING. JOSEPH A. SCHULTE, JR., doing business as Etsul Synthetic Products, Detroit, Mich.
Filed August 15, 1938. Serial No. 409,625. PUBLISHED OCTOBER 11, 1938. Class 4.

363,354. BEER. THE STROH BREWERY COMPANY, Detroit, Mich.
Filed August 15, 1938. Serial No. 409,631. PUBLISHED OCTOBER 11, 1938. Class 48.

363,355. SHINGLES AND SIDING. SHERRIFF-GOSLIN CO., Battle Creek, Mich.
Filed August 16, 1938. Serial No. 409,656. PUBLISHED OCTOBER 11, 1938. Class 12.

363,356. MALTLESS, CARBONATED BEVERAGES SOLD AS SOFT DRINKS. A. J. CANFIELD CO., Chicago, Ill.
Filed August 17, 1938. Serial No. 409,680. PUBLISHED OCTOBER 11, 1938. Class 45.

363,357. SHOE DRESSINGS. EVERETT AND BARRON COMPANY, Providence, R. I.
Filed August 17, 1938. Serial No. 409,683. PUBLISHED OCTOBER 11, 1938. Class 4.

363,358. DISINTEGRATED METALS IN DRY POWDER FORM. METALS DISINTEGRATING COMPANY, INC., Township of Union, Union County, N. J.
Filed August 17, 1938. Serial No. 409,691. PUBLISHED OCTOBER 11, 1938. Class 14.

363,359. SOAP. PIGGLY WIGGLY CORPORATION, Cincinnati, Ohio.
Filed August 17, 1938. Serial No. 409,694. PUBLISHED OCTOBER 11, 1938. Class 4.

363,360. FOLDING CHAIRS. TOBY-CLARK, INC., New York, N. Y.
Filed August 17, 1938. Serial No. 409,715. PUBLISHED OCTOBER 11, 1938. Class 32.

363,361. STORAGE BATTERIES. THE ELECTRIC STORAGE BATTERY COMPANY, Philadelphia, Pa.
Filed August 18, 1938. Serial No. 409,727. PUBLISHED OCTOBER 11, 1938. Class 21.

363,362. STORAGE BATTERIES. THE ELECTRIC STORAGE BATTERY COMPANY, Philadelphia, Pa.
Filed August 18, 1938. Serial No. 409,728. PUBLISHED OCTOBER 11, 1938. Class 21.

363,363. CHILD'S RATTLE. HOOVER PRODUCTS INC., Youngstown, Ohio.
Filed August 18, 1938. Serial No. 409,736. PUBLISHED OCTOBER 11, 1938. Class 22.

363,364. SAFETY RAZOR BLADES. COLTON RAZOR BLADE COMPANY, Boston, Mass.
Filed August 19, 1938. Serial No. 409,763. PUBLISHED OCTOBER 11, 1938. Class 23.

363,365. SUNGOGGLES AND NOSE SHIELDS. FOSTER GRANT CO. INC., Leominster, Mass.
Filed August 19, 1938. Serial No. 409,768. PUBLISHED OCTOBER 11, 1938. Class 26.

363,366. REFRIGERATORS, REFRIGERATOR SHOW CASES, DISPLAY CASES, STORAGE CASES, COUNTERS, AND THE LIKE. FROSTED CABINETS INC., Decatur, Ill.
Filed August 19, 1938. Serial No. 409,769. PUBLISHED OCTOBER 4, 1938. Class 31.

363,367. SILVER POLISH. ARTHUR E. KELLER, doing business as E. Keller & Sons, Allentown, Pa. Filed August 19, 1938. Serial No. 409,771. PUBLISHED OCTOBER 11, 1938. Class 4.

363,368. THERMOMETERS. THE PALMER COMPANY, Norwood, Ohio.
Filed August 19, 1938. Serial No. 409,775. PUBLISHED OCTOBER 11, 1938. Class 26.

363,369. LIQUID AND PASTE PAINTS, PAINT PRIMERS, PAINT ENAMELS AND LACQUERS, AND VARNISHES. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa.
Filed August 19, 1938. Serial No. 409,776. PUBLISHED OCTOBER 11, 1938. Class 16.

363,370. LIQUID AND PASTE PAINTS, PAINT PRIMERS, PAINT ENAMELS AND LACQUERS, AND VARNISHES. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa.
Filed August 19, 1938. Serial No. 409,777. PUBLISHED OCTOBER 11, 1938. Class 16.

363,371. WOOLEN AND WORSTED PIECE GOODS. BOTANY WORSTED MILLS, Passaic, N. J.
Filed August 22, 1938. Serial No. 409,838. PUBLISHED OCTOBER 11, 1938. Class 42.

363,372. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. MONARCH MANUFACTURING COMPANY, Atlanta, Ga.
Filed August 22, 1938. Serial No. 409,845. PUBLISHED OCTOBER 11, 1938. Class 45.

363,373. TYPEWRITING MACHINES AND PARTS THEREOF. ROYAL TYPEWRITER COMPANY, INC., New York, N. Y.
Filed August 25, 1938. Serial No. 409,901. PUBLISHED OCTOBER 11, 1938. Class 23.

363,374. PILLOW CASES, BED SHEETINGS, AND BED SHEETS OF TEXTILE MATERIAL. ALEXANDER MANUFACTURING COMPANY, Forest City, N. C.
Filed August 26, 1938. Serial No. 409,986. PUBLISHED OCTOBER 11, 1938. Class 42.

363,375. HIDES AND LEATHER. KISTLER, LESH & COMPANY, INCORPORATED, Boston, Mass.
Filed August 5, 1938. Serial No. 409,271. PUBLISHED OCTOBER 18, 1938. Class 1.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

363,376. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE W. J. MCCAHAN SUGAR REFINING & MOLASSES CO., Philadelphia, Pa. Filed Jan. 3, 1936. Serial No. 373,310.

PARTY CUBES

For Cane Sugar.
Claims use since May 3, 1932.

363,377. (CLASS 10. FERTILIZERS.) ROOT-GRO CHEMICAL COMPANY, Long Island City, N. Y. Filed Sept. 15, 1936. Serial No. 383,271.

ROOT-GRO

For Chemicals for Inducing and Accelerating the Growth of Root Fibres on Plants.
Claims use since Feb. 29, 1936.

363,378. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) REMINGTON ARMS COMPANY, INC., Bridgeport, Conn. Filed Aug. 27, 1937. Serial No. 396,836.

BELTED

For Ammunition—Namely, Metallic Cartridges, Metallic Shot Shells, Paper Shot Shells, Empty Metallic and Paper Shells, Blank Cartridges, Caps, Primers, Wads, Shot, and Bullets.
Claims use since Feb. 25, 1936.

363,379. (CLASS 39. CLOTHING.) WALWORTH CLOTHES, INC., Cleveland, Ohio. Filed Sept. 24, 1937. Serial No. 397,785.

Walworth

For Men's Clothing, Comprising Coats, Vests, Trousers, Suits, Overcoats, and Topcoats.
Claims use since Aug. 5, 1937.

363,380. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KORNEL BERGER, doing business as Berger Machine Company, New York, N. Y. Filed Oct. 18, 1937. Serial No. 398,606.

BRASTEEL

For Running Thread Pipe Nipples.
Claims use since December, 1936.

363,381. (CLASS 39. CLOTHING.) EDWARD SHUWALL & CO. INC., Pottstown, Pa. Filed Oct. 27, 1937. Serial No. 399,015.

Pul-lock 

For Children's Wash Frocks.
Claims use since Oct. 4, 1937.

363,382. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PERRY BROS., Seattle, Wash. Filed Oct. 29, 1937. Serial No. 399,106.

OVEN Reddy

For Frozen, Prepared Chicken.
Claims use since Feb. 1, 1937.

363,383. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) ATLANTIC COAL COMPANY, Boston, Mass. Filed Oct. 30, 1937. Serial No. 399,121.



For Coal.
Claims use since Oct. 13, 1937.

363,384. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CALIFORNIA CONSUMERS CORPORATION, Los Angeles, Calif. Filed Nov. 16, 1937. Serial No. 399,792.

REAL·JUIS

For Canned Nonalcoholic Citrus Juice Sold for Beverage Purposes.
Claims use since Nov. 5, 1937.

363,385. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA CONSUMERS CORPORATION, Los Angeles, Calif. Filed Nov. 16, 1937. Serial No. 399,793.

REAL·JUIS

For Canned Frozen Citrus Juices for Food Purposes.
Claims use since Nov. 5, 1937.

363,386. (CLASS 39. CLOTHING.) A. S. BECK SHOE CORPORATION, New York, N. Y. Filed Nov. 23, 1937. Serial No. 400,046.

Flexibles

"Already Broken In"

For Men's and Women's Shoes and Slippers Made of Leather and/or Fabric or Mixtures of These Materials.
Claims use since Oct. 29, 1937.

363,387. (CLASS 39. CLOTHING.) THE KELLER-KOHN CO., Cleveland, Ohio. Filed Dec. 7, 1937. Serial No. 400,556.

MOHAIRTONE

For Ladies' and Misses' Coats and Suits Which Goods Contain a Substantial Content of Mohair.
Claims use since Nov. 1, 1937.

363,388. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) CHARLES W. SCHEIDT, Richmond Hill, N. Y. Filed Jan. 24, 1938. Serial No. 402,278.

"Hold-Fast"

For Safety Straps for Infants, Made of Leather.
Claims use since Nov. 1, 1937.

363,389. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) S-M-S CORPORATION, Detroit, Mich. Filed Feb. 4, 1938. Serial No. 402,699.

Adjust-A-Cold

For Welding Electrode Holders.
Claims use since Oct. 1, 1937.

363,390. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRED W. POPE AND THOMAS W. BRYANT, Lakeland, Fla. Filed Mar. 15, 1938. Serial No. 404,090.

POPE'S SUMMER

For Oranges.
Claims use since June 28, 1937.

363,391. (CLASS 2. RECEPTACLES.) RUSSELL BOX COMPANY, Medford, Mass. Filed Apr. 8, 1938. Serial No. 405,046.

SNAP-QUIK

For Paper Boxes.
Claims use since August, 1935.

363,392. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GENERAL PAINT & VARNISH CO., Chicago, Ill. Filed June 2, 1938. Serial No. 407,019.

SHERIDAN

For Ready-Mixed Paints, Varnishes, and Paint Enamels.
Claims use since 1930.

363,393. (CLASS 37. PAPER AND STATIONERY.) LEE PAPER COMPANY, Vicksburg, Mich. Filed Aug. 23, 1938. Serial No. 409,886.

Mackinac

For Bond Paper.
Claims use since July 5, 1905.

363,394. (CLASS 39. CLOTHING.) QUALITY KNITTING CO. INC., Stowe, Pa. Filed Sept. 13, 1938. Serial No. 410,519.

Quality KNIT

For Men's, Women's and Children's Underwear, and Pajamas, and Polo Shirts.
Claims use since Apr. 1, 1937.

363,395. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) RALPH DESALVO, New York, N. Y. Filed Sept. 14, 1938. Serial No. 410,536.

Dunbar

For Golf Balls.
Claims use since Jan. 1, 1930.

363,396. (CLASS 39. CLOTHING.) SCHLOSS BROS. & CO. INC., Baltimore, Md. Filed Sept. 29, 1938. Serial No. 411,105.

Eniwether

For Topcoats for Men, Women, and Boys.
Claims use since Sept. 6, 1937.

363,397. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) THE MAUMEE COLLIERIES COMPANY, Terre Haute, Ind. Filed Oct. 5, 1938. Serial No. 411,302.

LINTON

For Coal.
Claims use since 1921.

363,398. (CLASS 39. CLOTHING.) PRACTICAL BURIAL SLIPPER COMPANY, Columbus, Ohio. Filed Oct. 17, 1938. Serial No. 411,709.

PRACTICAL

For Burial Footwear and Burial Hosiery.
Claims use since 1912.

TRADE-MARK REGISTRATIONS RENEWED

123,483. A MOTH PREVENTIVE AND EXTERMINATOR. Registered November 12, 1918. THE PHENOL CHEMICAL COMPANY. Renewed November 12, 1938, to Enoz Chemical Company, Chicago, Ill., a corporation of Illinois, assignee.

123,599. TOILET CREAM. Registered November 19, 1918. HOWARD BROS. CHEMICAL CO., Buffalo, N. Y., a corporation of New York. Renewed November 19, 1938.

123,625. X-RAY TABLES AND STANDS. Registered November 19, 1918. THE WM. MEYER CO., Chicago, Ill., a corporation of Illinois. Renewed November 19, 1938.

123,662. DYES COMBINED WITH SOAP. Registered November 19, 1918. SUNBEAM CHEMICAL COMPANY. Renewed November 19, 1938, to Rit Products Corporation, Chicago, Ill., a corporation of Delaware, assignee.

123,908. COFFEE. Registered December 17, 1918. A. KICKBUSCH GROCERY COMPANY, Wausau, Wis., a corporation of Wisconsin. Renewed December 17, 1938.

123,917. SILK PIECE GOODS. Registered December 17, 1918. H. R. MALLINSON & CO. INC. Renewed December 17, 1938, to Mallinson Fabrics Corp., New York, N. Y., a corporation of New York, assignee by mesne assignments.

124,097. WHEAT-FLOUR. Registered January 14, 1919. THE HALSTEAD MILLING & ELEVATOR CO., Halstead, Kans. Renewed January 14, 1939, to The Midland Flour Milling Company, Kansas City, Mo., a corporation of Kansas, successor.

124,412. CANDY, CHOCOLATES, BONBONS, AND POPCORN CONFECTIONS. Registered February 11, 1919. RUECKHEIM BROS. & ECKSTEIN. Renewed February 11, 1939, to The Cracker Jack Co., Chicago, Ill., a corporation of Illinois, assignee.

124,537. MEN'S SHIRTS FOR OUTER WEAR. Registered February 25, 1919. THE HILKER-WIECHERS MANUFACTURING CO., Racine, Wis. Renewed February 25, 1939, to John Rissman & Son, Chicago, Ill., a corporation of Illinois, assignee.

124,652. CERTAIN NAMED CUTLERY, MACHINERY, AND TOOLS AND PARTS THEREOF. Registered March 11, 1919. AMERICAN INSULATING MACHINERY COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed March 11, 1939.

125,201. TWINE. Registered April 22, 1919. COLUMBIAN ROPE COMPANY, Auburn, N. Y., a corporation of New York. Renewed April 22, 1939.

125,202. TWINE. Registered April 22, 1919. COLUMBIAN ROPE COMPANY, Auburn, N. Y., a corporation of New York. Renewed April 22, 1939.

125,272. DOLLS. Registered April 29, 1919. THE FAULTLESS RUBBER COMPANY, Ashland, Ohio, a corporation of Ohio. Renewed April 29, 1939.

125,321. MARINE PAINTS. Registered May 13, 1919. AMERICAN MARINE PAINT COMPANY, San Francisco, Calif., a corporation of California. Renewed May 13, 1939.

125,525. CANNED TUNA FISH AND CANNED SARDINES. Registered May 20, 1919. SOUTHERN CALIFORNIA FISH CO., East San Pedro, Calif. Renewed May 20, 1939, to Southern California Fish Corporation, Terminal Island, Calif., a corporation of California, assignee by mesne assignments.

LABELS

REGISTERED DECEMBER 20, 1938

52,232.—*Title:* SUNBEAM. For Preserves. AUSTIN, NICHOLS & CO., INC., Brooklyn, N. Y. Published May 5, 1936.

52,233.—*Title:* BELL BREAD. For Bread. BELL BAKERIES, INC., New York, N. Y. Published December 17, 1937.

52,234.—*Title:* WORLD'S FAIR BOUTONNIERE. For Souvenir Boutonnieres. C. A. BOSTWICK, INC., New York, N. Y. Published November 1, 1938.

52,235.—*Title:* WHITE SNO LINE SKIN DYE. For a Dye for Whitening Gloves, Skin Coats, Suede, and Canvas. BUEHLER & MCNALLY, Wilmar, Calif. Published August 25, 1938.

52,236.—*Title:* DAINTIES MINIATURE CHOCOLATES. For Chocolates. CHERRY SPECIALTY COMPANY, Chicago, Ill. Published November 7, 1938.

52,237.—*Title:* CHOICE THE NEW FINE CANDY. For Candy. RICHARD LEVY doing business as Choice Manufacturing Co., Jackson Heights, N. Y. Published January 17, 1938.

52,238.—*Title:* THE 'CAVALIER' PAD. For Five Suit or Contract Bridge Score Pads. CLYDE PRINTING CO. INC., New York, N. Y. Published November 5, 1938.

52,239.—*Title:* SMALL PIECES. For Chocolates. DAGGETT CHOCOLATE COMPANY, Cambridge, Mass. Published November 1, 1938.

52,240.—*Title:* FROSTY-FRUIT ICE CREAM CAKE. For Ice Cream Cakes. S. GUMPERT CO. INC., Ozone Park, N. Y. Published October 14, 1938.

52,241.—*Title:* UNGUENTUM MORRHU-COMP. For an Unguentum. HART DRUG CORPORATION, Miami, Fla. Published November 14, 1938.

52,242.—*Title:* ISO-EFEMIST. For Isotonic Ephedrine Solution. HART DRUG CORPORATION, Miami, Fla. Published October 22, 1938.

52,243.—*Title:* ISO-EFEMIST. For Isotonic Ephedrine Solution. HART DRUG CORPORATION, Miami, Fla. Published November 11, 1938.

52,244.—*Title:* MALING SHOES. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published June 29, 1938.

52,245.—*Title:* O.S.C. SPORTS MISS. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published June 1, 1938.

52,246.—*Title:* IRMA MAE. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published February 1, 1938.

52,247.—*Title:* WALTON SHOES. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published August 31, 1938.

52,248.—*Title:* STANLEY MELVIN. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published August 1, 1938.

52,249.—*Title:* JOLÉNE. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published July 20, 1938.

52,250.—*Title:* MOORE VALUE. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published June 2, 1938.

52,251.—*Title:* FAMOUS FIVE FOR MEN. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published March 22, 1938.

52,252.—*Title:* MALING SHOES. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published June 29, 1938.

52,253.—*Title:* HORLACHER'S. For Pilsner Beer. HORLACHER BREWING CO., Allentown, Pa. Published November 7, 1938.

52,254.—*Title:* WAGON WHEEL 5¢ KEETER'S KWALITY KANDIES. For Candy. J. A. KEETER CANDY COMPANY, Amarillo, Tex. Published August 5, 1938.

52,255.—*Title:* NICK-L-PIE. For an Ice Cream Sandwich. KRISPY KAKE KONE COMPANY, Los Angeles, Calif. Published March 7, 1938.

52,256.—*Title:* ACE HIGH POMADE. For a Hair Pomade. LUCKY HEART LABORATORIES, INC., doing business as Lucky Heart Company, Memphis, Tenn. Published October 25, 1938.

52,257.—*Title:* HOME RUN WITH BASES LOADED. For a Game. THOMAS J. MORRISON, Buffalo, N. Y. Published November 15, 1938.

52,258.—*Title:* SNO SHEEN. For Cake Flour. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Published September 22, 1938.

52,259.—*Title:* CRÊPES SUZETTE. For Crêpes Suzette. ALPHONSE ROART, INC., Philadelphia, Pa. Published November 5, 1938.

52,260.—*Title:* CHILI CON CARNE WITH BEANS. For Chili Con Carne with Beans. RUTHERFORD FOOD CORPORATION, Kansas City, Mo. Published November 1, 1938.

52,261.—*Title:* FLORETTE TOILET TISSUES. For Toilet Tissue. THE SORG PAPER CO., Middletown, Ohio. Published October 6, 1938.

52,262.—*Title:* FLEURÉ ROLL TISSUE TOWELS. For Tissue Towels. THE SORG PAPER CO., Middletown, Ohio. Published October 19, 1938.

52,263.—*Title:* FIDO-FOAM. For a Shampoo for Dogs, Cats, and Domestic Animals. HARRY H. STRUBBE, Kansas City, Mo. Published October 3, 1938.

52,264.—*Title:* WORMSER HATS. For Hat Boxes. TRADE LITHOGRAPH & PRINTING CO., INC., New York, N. Y. Published July 15, 1938.

52,265.—*Title:* GORILLA BRAND. For Gasoline. WILLIAM JOHN ZINK, Downey, Calif. Published January 20, 1938.

52,266.—*Title:* POWER PRUNER. For Power Pruners. A. E. SMITH, doing business as A. E. Smith Engineering Co., San Francisco, Calif. Published May 10, 1938.

LABELS RENEWED

15,570. "SCOT TISSUE" FOR PAPER TOWELS. Registered February 28, 1911. SCOTT PAPER COMPANY, Philadelphia, Pa. Renewed December 30, 1938, to Scott Paper Company, Chester, Pa., a corporation of Pennsylvania, successor.

15,630. "WALDORF TOWELS" FOR PAPER TOWELS. Registered April 4, 1911. SCOTT PAPER COMPANY, Philadelphia, Pa. Renewed March 2, 1939, to Scott Paper Company, Chester, Pa., a corporation of Pennsylvania, successor.

PRINTS

REGISTERED DECEMBER 20, 1938

17,164.—*Title:* CREA M ILK. For Cream and Milk. SUSIE R. BARNES, Enumclaw, Wash. Published October 3, 1938.

17,165.—*Title:* CHRISTMAS ISN'T CHRISTMAS—WITHOUT FRUIT CAKE. For Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published November 20, 1938.

17,166.—*Title:* CANDID CAMERA HATS. For Ladies' and Girls' Hats. GOLDBLATT BROS. INC., Chicago, Ill. Published November 4, 1938.

17,167.—*Title:* KRACKEL WITH TOASTED ALMONDS MADE BY HERSHEY. For Chocolate Bars. HERSHEY CHOCOLATE CORPORATION, Hershey, Pa. Published September 28, 1938.

17,168.—*Title:* COFFEE'S FULL OF BEANS. For Coffee. ROLLO WILLIAM ROBERTSON AND ERIC HANS NORTMAN, Toronto, Ontario, Canada. Published June 22, 1938.

17,169.—*Title:* TRITON MOTOR OIL CHANGES PING TO PURR. For Motor Oil. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Published October 20, 1938.

REISSUES

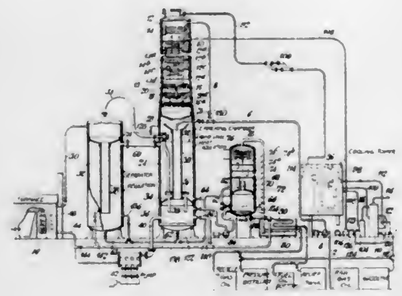
DECEMBER 20, 1938

20,951
PROCESS AND APPARATUS FOR PRESSURE DISTILLATION

David G. Brandt, Westfield, N. J., assignor, by mesne assignments, to Power Patents Company, Jersey City, N. J., a corporation of Maine

Original No. 2,074,120, dated March 16, 1937, Serial No. 124,320, July 23, 1926. Application for reissue August 16, 1938, Serial No. 225,247

12 Claims. (Cl. 196—48)



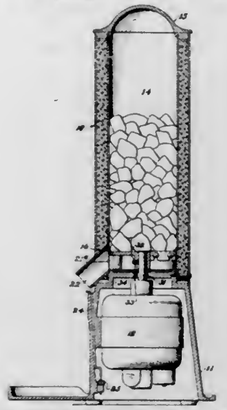
5. The method of converting higher boiling hydrocarbon oils into lower boiling hydrocarbon oils which comprises heating such oil to a temperature of at least 750° F. while maintaining it under a high superatmospheric pressure, passing the highly heated oil to a zone of lower superatmospheric pressure wherein the desired low boiling products together with a portion of the products heavier than the desired products are vaporized by the contained heat of the oil and the unvaporized products are maintained at a temperature sufficient to effect rapid cracking thereof, separately withdrawing the vaporous and unvaporized products, passing the unvaporized products upon completion of the desired cracking thereof from said low pressure zone to another zone of still lower pressure wherein substantially all of the remaining heavier constituents thereof desirable as cracking stock are vaporized by the contained heat of the said products without further subjecting the said unvaporized products to cracking conditions, separately withdrawing the vaporous and unvaporized portions, subjecting the vaporous products from said second-named low pressure zone to a reflux condensing operation to separate the heavier constituents, passing the resulting reflux condensate to the oil undergoing heating and cracking, subjecting the vapors from said first-named low pressure zone to a condensing operation to separate condensible constituents from uncondensible gas, and passing gas through the unvaporized product in said second-named low pressure zone before the latter product is withdrawn therefrom.

20,952
ICE SHAVING MACHINE

Ralston R. Smith, Oakland, Calif., assignor, by mesne assignments, to Service Devices, Inc., a corporation of New York

Original No. 1,992,783, dated February 26, 1935, Serial No. 513,127, February 3, 1931. Application for reissue February 24, 1937, Serial No. 127,398

7 Claims. (Cl. 83—62)



1. In a machine for shaving ice, a vertically disposed container supported on a hollow base and having a discharge opening adjacent its bottom, a motor enclosed in said base and having a drive-shaft extending upwardly to a position within the container, a rotor disposed in the bottom of the container and secured to said drive-shaft, said rotor comprising a pair of horizontally-disposed, vertically-spaced discs, the uppermost of said discs being provided with radial slots, blades secured in said slots to shave ice in the container, and radial vanes extending between said discs to insure the discharge of all of the shaved ice outwardly through said discharge opening.

20,953
METHODS OF FORMING ARTIFICIAL SILK, ETC., OF MAT APPEARANCE

Johann Joseph Stoeckly, Teltow-Seehof, and Erhard Witte, Berlin-Lichterfelde, Germany, assignors to North American Rayon Corporation, New York, N. Y.

No Drawing. Original No. 1,867,188, dated July 12, 1932, Serial No. 447,418, April 25, 1930. Application for reissue January 4, 1937, Serial No. 119,056. In Germany April 17, 1929

10 Claims. (Cl. 18—54)

1. In the production of artificial cellulosic materials of the class described possessing a mat appearance, the steps of incorporating in the cellulosic spinning solution an emulsified suspension of an organic substance which is insoluble in the spinning solution, thereafter extruding the spinning solution and extracting the organic substance, by means of a solvent capable of dissolving the incorporated substance, prior to drying the product and while the artificial cellulosic material is in a swollen condition.

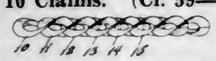
PATENTS

GRANTED DECEMBER 20, 1938

2,140,491
CHAIN

William F. Biedermann, Providence, R. I., assignor to Federal Chain Company, a corporation of Rhode Island

Application November 4, 1936, Serial No. 109,126
10 Claims. (Cl. 59—80)

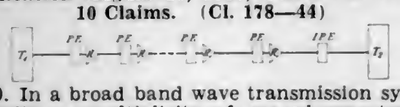


1. A chain comprising a plurality of links having a central opening, each link being curbed and passing through the opening of more than two of the other links in the longitudinal series with the ends of the links meeting and being in substantial alignment and non-soldered, the cross-section of the stock of the links being other than round and of a shape to assist in causing the links to lie flat.

2,140,492
DISTORTION CORRECTION IN WAVE TRANSMISSION

Harold S. Black, Elmhurst, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 10, 1937, Serial No. 158,294
10 Claims. (Cl. 178—44)

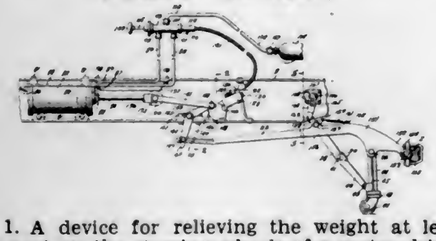


10. In a broad band wave transmission system including a multiplicity of spaced repeaters in tandem relation, phase distorters at distributed points along the system producing phase frequency distortion throughout the entire transmitted band for so introducing phase displacement between modulation products of even and odd order generated in the successive repeaters as to cause said products generated in the various repeaters to add to a total resultant modulation for the system less than the total resultant modulation that would be obtained in the absence of the aforesaid phase distorters.

2,140,493
DEVICE FOR FACILITATING MOVEMENT OF STEERING WHEELS

John L. Barr, Chevy Chase, Md.

Original application May 29, 1934, Serial No. 728,187. Divided and this application April 17, 1936, Serial No. 74,990
6 Claims. (Cl. 180—1)

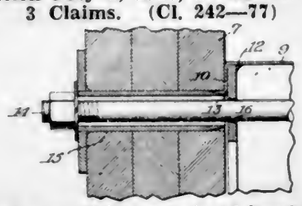


1. A device for relieving the weight at least in part on the steering wheels of a motor driven vehicle comprising an intake manifold, power means carried by the vehicle operated from the intake manifold, an articulated collapsible compression element carried by the vehicle, means operated by said power means to bring it to the uncollapsed state, and a lever operated by the power means to pivot it bodily downwardly after it is fully uncollapsed to relieve the weight on at least one of the steering wheels of a vehicle.

2,140,494
REEL

Ralph W. Clemmons, Chicago, Ill., assignor to R. B. Hayward Company, a corporation of Illinois

Application May 3, 1937, Serial No. 140,506
3 Claims. (Cl. 242—77)



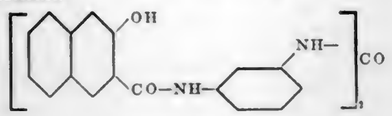
1. A reel comprising a pair of heads, a metal drum between said heads comprising a relatively thin sheet metal drum-wall-forming portion of stiff dent-resisting material with the sheet metal at the ends of the drum wall turned inwardly to form flanges, ring members adjacent the ends of the drum at the inner sides of said flanges, weld means securing said drum-wall-forming portion and ring members together at spaced apart intervals, and means extending through said ring members for securing together said drum and heads, said flanges reaching short of said last-named means.

2,140,495
BIS(2,3-HYDROXY-NAPHTHOYL-M-AMINOPHENYL) UREA

Samuel Coffey, Manchester, and John Edgar Schofield, Huddersfield, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Original application March 26, 1932, Serial No. 601,454, now Patent No. 2,093,265, dated September 14, 1937. Divided and this application November 11, 1936, Serial No. 110,276. In Great Britain March 31, 1931
1 Claim. (Cl. 260—553)

The compound, bis(2,3-hydroxy-naphthoyl-m-aminophenyl) urea corresponding to the following formula

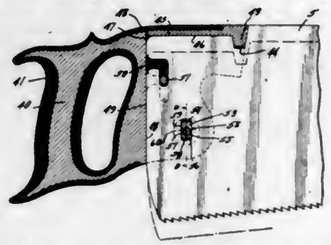


2,140,496
SAW CONSTRUCTION

John S. Coleman, Birmingham, Ala.

Application May 11, 1936, Serial No. 79,165
2 Claims. (Cl. 145—113)

1. A saw having a blade, a handle, and means to wedge the blade against the handle comprising a movable wedge member adapted to be slid to press against the blade, and a screw on one end of the wedge member to slide it against the

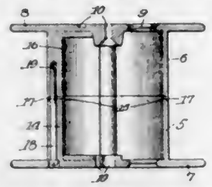


blade and a screw on the other end of the wedge member to tighten the wedge in place.

2,140,497
BOBBIN

John Louis Deters, Cincinnati, Ohio, assignor to The Formica Insulation Company, a corporation of Ohio

Application June 7, 1937, Serial No. 146,937
1 Claim. (Cl. 242—119)

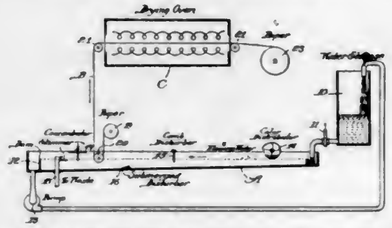


A bobbin comprising two separable parts, each of said parts having an end flange integrally formed with a hollow barrel portion, said barrel portion having axially disposed inner ribs, said flange having outer laminations of woven fiber and inner laminations of paper, said laminations being disposed at right angles to the axis of the bobbin and impregnated with a binder which hardens under heat and pressure, said barrel portion being formed of macerated material impregnated with the same kind of binder, each end flange and a portion of the barrel having been consolidated under heat and pressure to transform the binder into an infusible and substantially insoluble condition, and the barrel portions of said bobbin parts being provided at their inner end portions with overlapping flanges which are drawn together by screws inserted in said ribs.

2,140,498
FLOTATION COATING PROCESS

John F. Dreyer, Cincinnati, Ohio, assignor to The Formica Insulation Company, Cincinnati, Ohio, a corporation of Ohio

Application October 1, 1934, Serial No. 746,449
4 Claims. (Cl. 91—68)

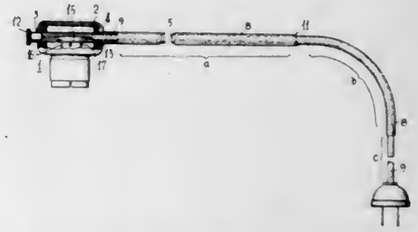


1. A process of decorating fabric which comprises: supporting insoluble metallic pigments on an aqueous body through the medium of a film consisting essentially of a volatile liquid which will wet said pigments and make them water-repellent; and causing the fabric to contact with and pick up the pigment.

2,140,499
CONNECTING PLUG AND CORD

Stanley A. Duvall, Edinburg, Tex., assignor to Myrtle May Barker Duvall, Edinburg, Tex.

Application November 12, 1935, Serial No. 49,413
1 Claim. (Cl. 173—322)



In combination with an electric iron and an ironing board, a connecting plug and cord, including a suitable plug body with contacts mounted in the plug body and connected to a source of power by the cord, an elongated tube substantially half the length of the width of the ironing board extending at right angles from a side of the said plug, said cord extending from the plug contacts through the elongated tube, and a pliant cord holding member secured within the outer end of said tube and extending outwardly therefrom whereby to support the said cord above and out of contact with the ironing board.

2,140,500
PREPARATION OF ETHYL CHLORIDE

James Laurence Amos, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application April 16, 1937, Serial No. 137,207
3 Claims. (Cl. 260—657)

1. The process for the preparation of ethyl chloride which comprises passing ethyl ether and hydrogen chloride into contact with a bath of molten metal chlorides which are at a temperature in the range between about 125° C. and the decomposition point of ethyl chloride.

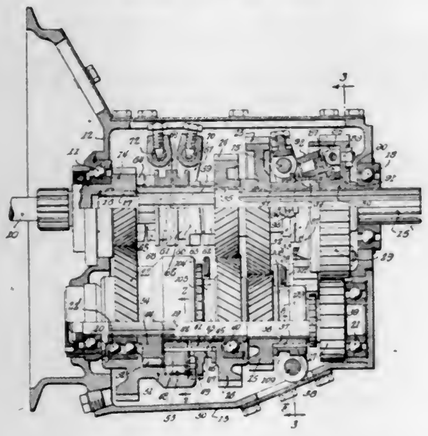
2,140,501
RUSTLESS IRON

William Bell Arness, Baltimore, Md., assignor, by mesne assignments, to Rustless Iron and Steel Corporation, Baltimore, Md., a corporation of Delaware

No Drawing. Application July 26, 1935, Serial No. 33,414
3 Claims. (Cl. 148—31)

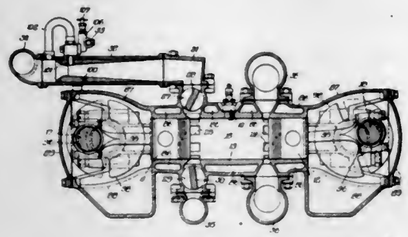
1. In manufactures of the class described, austenitic alloy iron products of good corrosion-resistance, good cold-working properties and good machining characteristics comprising in combination approximately, 10 per cent to 25 per cent chromium, 7 per cent to 20 per cent nickel, .08 per cent to .15 per cent sulphur, .03 per cent to .12 per cent carbon and the balance substantially all iron hardened by cold-reduction to a Brinell number of from between 180 to 250.

2,140,502
CHANGE SPEED TRANSMISSION
Oscar H. Banker, Chicago, Ill., assignor to New Products Corporation, Chicago, Ill., a corporation of Delaware
Application November 30, 1934, Serial No. 755,283
19 Claims. (Cl. 74—336.5)



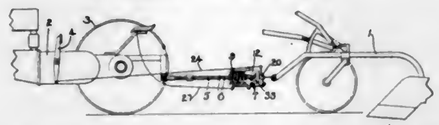
1. In a change speed transmission, the combination of a drive shaft, a driven shaft, automatically variable change speed mechanism for changing the drive of the driven shaft from lower gear ratio to "high" on a temporary reduction in speed of the drive shaft below that of the driven shaft and means under the control of the operator to immediately put said change speed mechanism in a lower gear ratio without reducing the speed of the driven shaft when in "high", said driven shaft adapted while in the lower gear ratio to drive the drive shaft if the speed of said drive shaft falls below that of the driven shaft.

2,140,503
INTERNAL COMBUSTION ENGINE
William R. Beckman, Barrington, Ill., assignor to Nels Shoan, Chicago, Ill.
Application May 18, 1936, Serial No. 80,365
18 Claims. (Cl. 123—51)



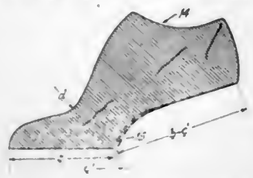
1. In an internal combustion engine, a cylinder, means for compressing air for said cylinder, a double passage including a bypass for one of them from said means to the same ports of the cylinder, means for utilizing air pressure from said means for injecting fuel into one passage and said bypass to said cylinder, and valve means operated by the engine for admitting air from one passage to the cylinder before fuel is admitted thereto from the other passage to the same cylinder ports.

2,140,504
TRACTOR STOP HITCH WITH BRAKE
Gerrit Den Besten, Corsica, S. Dak., assignor of one-fourth to Liverance & Van Antwerp, a copartnership composed of Frank E. Liverance, Jr., and Harold O. Van Antwerp, Grand Rapids, Mich.
Application June 29, 1936, Serial No. 87,832
18 Claims. (Cl. 180—14.5)



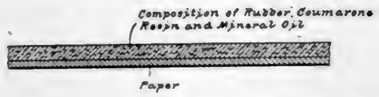
1. A hitch of the class described comprising a pulling member and a pulled member movable relative to each other, means for transmitting a pulling load from the pulling member to the pulled member comprising friction clutch means engaging one of said members and connected to the other of said members through compressible cushion means, said clutch means acting to prevent relative movement of said members under normal load, means actuated under abnormal compression of said cushion means to partially release said clutch means to permit relative movement of said members, said releasing means also acting to maintain said clutch means in frictional engagement with its clutching member to exert resistance to such movement.

2,140,505
METHOD OF MAKING LAST MODELS FOR SHOES
William M. Biddle, Collingswood, N. J.
Application May 10, 1937, Serial No. 141,592
5 Claims. (Cl. 144—309)



1. The method of constructing a master last model for making models of lesser widths comprising building up the shank portion so that the longitudinal dimension of the bottom portion exceeds a standard length by an amount equal to that cut away on a last model of lesser width constructed from a conventional master model by the use of a last-turning machine.

2,140,506
STENCIL SHEET
Charles V. Canning, New York, N. Y., assignor to Sweets Laboratories, Inc., New York, N. Y., a corporation of New York
Application September 29, 1932, Serial No. 635,428
8 Claims. (Cl. 41—38.6)



1. A stencil sheet comprising a paper sheet, carrying a composition comprising unvulcanized rubber, coumarone resin and an oil which will act as a softening agent for such composition.

2,140,507
PRODUCTION OF ETHYL CHLORIDE
Leonard C. Chamberlain, Jr., Jack L. Williams, and Robert D. Blue, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application August 26, 1936, Serial No. 98,098
3 Claims. (Cl. 260—663)

1. In a process for making ethyl chloride by reacting ethylene with hydrogen chloride in the presence of a liquid chlorinated aliphatic hydrocarbon containing a catalyst for the reaction and normally maintained at a temperature below the boiling point of ethyl chloride, the steps which consist in intermittently warming said liquid catalytic medium to a temperature above the boiling point of ethyl chloride but below the boiling point of said medium, maintaining said liquid catalytic medium at said elevated temperature until fresh catalyst has been incorporated therein, and then cooling the liquid to a temperature below the boiling point of ethyl chloride.

2,140,508
PRODUCTION OF ETHYL CHLORIDE
Leonard C. Chamberlain, Jr., James L. Amos, and Jack L. Williams, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application August 26, 1936, Serial No. 98,099
4 Claims. (Cl. 260—663)

1. In a continuous process for the production of ethyl chloride from ethylene and hydrogen chloride in the presence of a hydrohalogenation catalyst carried by a circulating inert liquid medium maintained at a temperature below the boiling point of ethyl chloride, the steps which consist in, withdrawing a portion of said medium from the reaction zone to a zone maintained at a temperature above the boiling point of ethyl chloride but below the boiling point of said inert liquid medium, incorporating fresh catalyst with the withdrawn portion of said medium while it is in said zone of higher temperature, and thereafter returning said portion to the reaction zone.

2,140,509
MERCURATED 3-NITRO 4-ALKYL PHENOLS
Walter G. Christiansen, Glen Ridge, N. J., and Eugene Moness, New York, N. Y., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application December 6, 1934, Serial No. 756,276
6 Claims. (Cl. 260—433)

4. Mercurated 3-nitro 4-R phenols, wherein R represents a lower alkyl having at least three carbon atoms.

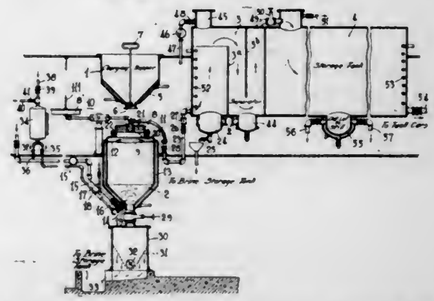
2,140,510
ERASING SHIELD FOR TYPEWRITERS
Isaac N. Clegg, Jr., Carthage, N. C.
Application September 20, 1937, Serial No. 164,774
2 Claims. (Cl. 120—41)

1. An erasing shield for a typewriter and formed from flexible sheet material to provide a head including a body curved to follow the curvature of the platen of the typewriter and having an area of disposal about the front and upper portions of the platen when in use, said body having rounded forward corners, an upwardly directed portion formed on the rear end of the body and extending therefrom at an acute angle



thereto, and a handle formed on the upwardly directed portion.

2,140,511
METHOD OF TREATING CRUDE OLEO-RESINS
McGarvey Cline, Jacksonville, Fla.
Application May 10, 1935, Serial No. 20,836
10 Claims. (Cl. 260—107)



1. A method of treating crude oleo-resins as obtained from living trees and prior to converting such oleo-resins into rosin and turpentine, the said oleo-resins containing water-soluble constituents and suspended solids, which method comprises contacting steam and crude oleo-resin to melt the oleo-resin and injecting solvent and steam simultaneously into the mass containing melted oleo-resin and solid impurities and thoroughly agitating the same, filtering the liquid portion of the mass, and separating oleo-resin from said liquid portion.

2,140,512
PROCESS OF TREATING OLEO-RESINOUS MATERIAL
McGarvey Cline, Jacksonville, Fla.
No Drawing. Application June 4, 1935, Serial No. 24,981
15 Claims. (Cl. 260—107)

1. In a process of treating crude oleo-resins obtained from living trees and prior to the treatment of such oleo-resins to obtain rosin and turpentine therefrom, the said crude oleo-resins containing water-soluble acid material, heating and melting the said crude oleo-resins and maintaining the said oleo-resins in fluid condition while distributing by injection of steam an alkaline reagent throughout the crude oleo-resins in sufficient amount to neutralize, to a substantial extent, only the water-soluble acids contained in the said crude oleo-resins, filtering the resulting oleo-

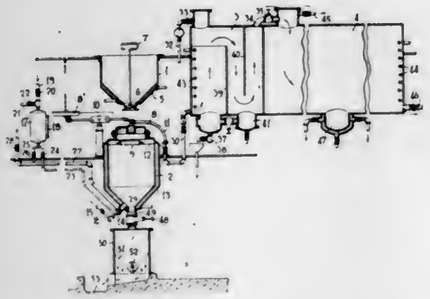
resinous material and separating the latter material from the resulting solution of substantially neutralized acids to obtain a fluid, non-corrosive, oleo-resinous product.

2,140,513

PROCESS OF TREATING OLEO-RESINS AND PRODUCTS RESULTING THEREFROM

McGarvey Cline, Jacksonville, Fla.

Application August 3, 1935, Serial No. 34,623
14 Claims. (Cl. 260—107)



1. A process comprising injecting into a mass of crude pine oleo-resin exudates an alkaline reagent and a liquid medium in which said exudates are relatively insoluble, converting water soluble acids and a portion only of resin acids contained in said exudates into salts of said acids, the said salts of said resin acids being substantially insoluble in said liquid medium but soluble in said oleo-resin exudates, filtering the resulting mass and separating from the resulting mass an oleo-resinous aggregate containing uncombined resin acids, and resinates.

11. A pine oleo-resin product comprising pine oleo-resin exudate consisting of constituents of substantially all of the relatively water-insoluble portion of pine sap as obtained from living trees including resin acids, terpenes and other oleaginous constituents normally contained in such sap, the said resin acids being capable of crystallizing out under ordinary conditions of shipment and storage; and resinates of the said resin acids having combined with a resin acid radical a positive radical selected from a group consisting of NH_4, alkali metals and alkaline earth metals, the said resinates being sufficient in amount to prevent crystallization of the said resin acids but insufficient to render the exudate completely soluble in water, and the said product being substantially non-corrosive to metals in containers used for shipment and being flowable at ordinary shipping temperatures.

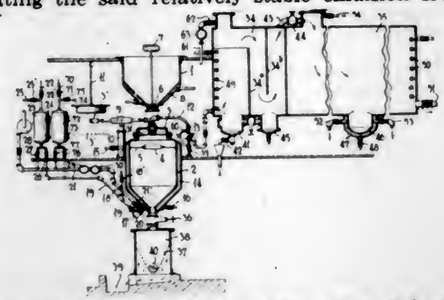
2,140,514

METHOD OF TREATING PINE OLEO-RESINS AND PRODUCTS RESULTING THEREFROM

McGarvey Cline, Jacksonville, Fla.

Application September 15, 1937, Serial No. 164,085
28 Claims. (Cl. 260—107)

1. A method comprising mixing together water and crude oleo-resin exudate to prepare a relatively unstable emulsion containing a continuous water phase and globules of a relatively stable emulsion having a dispersed phase containing water and a continuous phase containing oleo-resinous exudates obtained from pine trees, removing particles of waste matter contained in the oleo-resinous aggregate, and separating the said relatively stable emulsion from



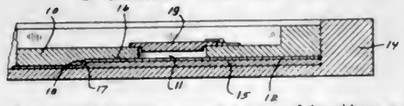
the said continuous water phase of the said relatively unstable emulsion.

2,140,515

HOLDER FOR SENSITIZED ELEMENTS

Oliver E. Conklin, Parlin, N. J., assignor to Du Pont Film Manufacturing Corp., Inc., New York, N. Y., a corporation of Delaware

Application August 19, 1937, Serial No. 159,946
4 Claims. (Cl. 250—68)



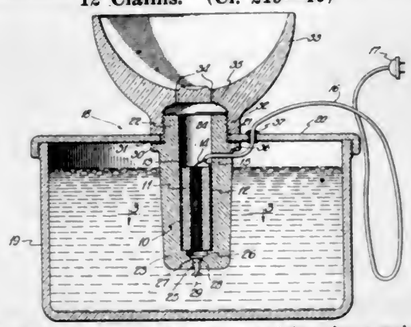
1. A cassette comprising in combination a body member and a cover member held in light-proof clamped relation thereto, a sensitized element enclosed between said members, a marginal recess in the film-contacting surface of one of said members and an interfitting marginal elevation in the other of said members, a closable marginal aperture embodied in one of said members located within the area of said interfitting marginal elevation and recess.

2,140,516

ELECTRICAL STEAM GENERATOR

Harry Cowan, Boston, Mass.

Application October 15, 1936, Serial No. 105,763
12 Claims. (Cl. 219—40)



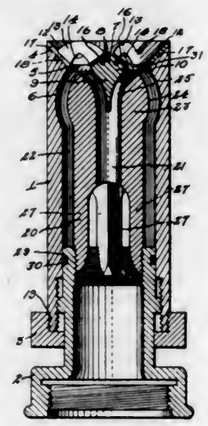
2. A steam generator comprising in combination, a well open at its top and having a water inlet at the bottom thereof, an electric absorbent heating element freely disposed in said well in close proximity to the walls thereof, said heating element including a pair of spaced foraminous electrodes, a loose packing of insulation material interposed between said electrodes and adapted, when subjected to the water in the well, to act as a conductor between the electrodes for heating the water.

2,140,517

VAPORIZING NOZZLE

Horace W. Dawson, Fort Lewis, Wash.

Application April 26, 1938, Serial No. 204,389
5 Claims. (Cl. 299—131)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A valve nozzle comprising a tubular coupling member, a tubular body member adjustably mounted on said coupling member and having a spherically curved reentrant portion therein adjacent the discharge end thereof, a tubular valve member mounted on the inner end of said coupling member and spaced from said body member, lateral passages formed in the walls of said tubular valve member adjacent the lower end thereof, said valve member having an outwardly curved bulbular portion arranged to coact with said reentrant portion to direct fluid flowing therethrough in an inwardly directed annular stream, a divider-block mounted on the discharge end of the body member and arranged to coact with a stream issuing from the tubular valve member so as to direct the last mentioned stream across the inwardly directed stream.

2,140,518

PROCESS FOR PRODUCING VINYL RESIN SURFACE COATINGS

Arthur K. Doolittle, South Charleston, W. Va., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application March 15, 1934, Serial No. 715,662. Renewed March 5, 1938
3 Claims. (Cl. 91—70)

1. Process for producing strongly adherent and resistant surface coatings which includes the steps of forming on a surface a coating essentially comprising a vinyl resin substantially identical with a resin resulting from the conjoint polymerization of a vinyl halide with a vinyl ester of an aliphatic acid, said vinyl resin in said coating being in intimate contact with a stabilizing agent selected from the group consisting of aluminum metal, cadmium metal, cadmium sulfide, cadmium sulfite, calcium sulfite, cerium sulfite, magnesium metal, manganese silicate, sodium sulfite, strontium sulfite and lead sulfite, and thereafter baking said coating at temperatures at which said vinyl resin would be decomposed in the absence of said stabilizing agent.

2,140,519

CHLOROHYDROCARBON EMULSION

Arthur A. Elston, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 27, 1936, Serial No. 92,944
15 Claims. (Cl. 252—6)

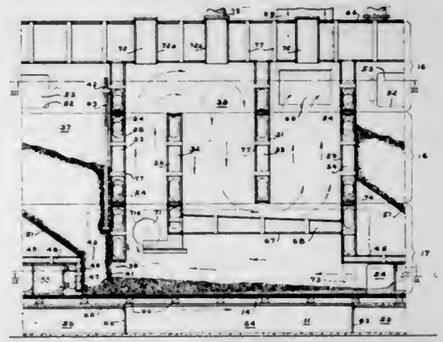
1. A process for preparing stable emulsions of tetrachlorethane in water which comprises adding lauryl amine hydrochloride to tetrachlorethane and then agitating said resulting solution with water in quantity sufficient to form a relatively stable emulsion of tetrachlorethane in water of any desired chlorohydrocarbon concentration.

2,140,520

FLUID HEATER

Robert A. Foresman, Prospect Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 23, 1935, Serial No. 46,241
21 Claims. (Cl. 122—30)



20. In fluid heating apparatus, the combination of a rotatable circular grate, a structure having spaces therein for fluid to be heated and defining a combustion chamber above a segment of the grate, and a magazine for fuel disposed above a second segment of the grate and beside a portion of the combustion chamber, said structure including a substantially horizontal wall member disposed below the magazine and having a space therein for fluid to be heated and an opening for the passage of fuel from the magazine to said second segment of the grate.

2,140,521

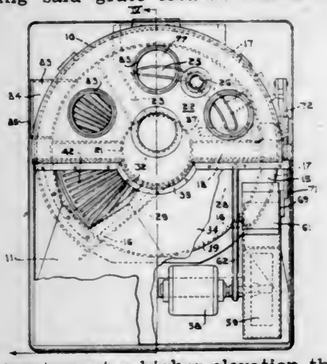
HEAT GENERATING APPARATUS

Robert A. Foresman, Prospect Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 3, 1936, Serial No. 57,332
Renewed July 2, 1938
18 Claims. (Cl. 122—30)

17. In a mechanically fired heat generator, the combination of an annular grate, an arcuate and upstanding wall arranged above a portion of the perimeter of the grate and a second upstanding wall extending across the grate between the ends of said arcuate wall and defining therewith a heating structure, said heating structure enclosing a space for fluid to be heated, and a device

for rotating said grate located outside of the



heating structure at a higher elevation than the grate and adjacent to the second wall.

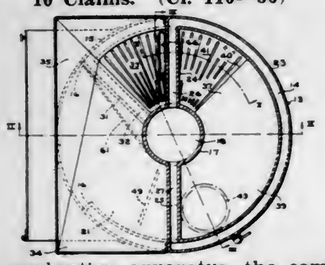
2,140,522

COMBUSTION APPARATUS

Robert A. Foresman, Prospect Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 18, 1936, Serial No. 85,851

10 Claims. (Cl. 110—36)



1. In combustion apparatus, the combination of a furnace structure having a combustion chamber therein, a movable grate defining, at least in part, the bottom of the combustion chamber, means for depositing fuel upon a portion of said grate, a wall member having a fluid space formed therein and disposed transversely of the grate, said wall member having its bottom edge spaced above the grate for leveling the fuel and determining the depth thereof as it is carried by the grate into the combustion chamber, means for supplying air to the underside of said grate, means for conveying gases of combustion from the combustion chamber, and conduit means communicating with said gas-conveying means and with the fuel bed for withdrawing heated gases from the combustion chamber beneath the bottom edge of said wall member and conveying the same in heat exchanging relation with the wall member.

2,140,523

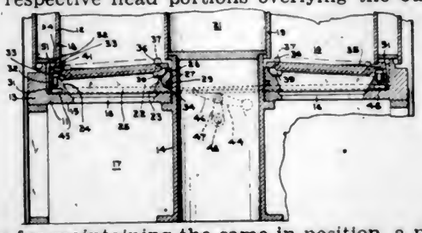
COMBUSTION APPARATUS

Robert A. Foresman, Prospect Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 26, 1936, Serial No. 97,879

3 Claims. (Cl. 126—182)

3. In an annular grate structure, the combination of a plurality of segments having inner and outer arcuate portions and arranged in side-by-side relation for defining an annular frame, each of said inner arcuate portions having a slot formed in the inner face thereof, a center column about which the frame segments are disposed, a ring disposed in said slots and encircling the center column, an outer ring encompassing the segments and maintaining the same in engagement one with the other, a plurality of fastening devices secured in said frame segments and having respective head portions overlying the outer



ring for maintaining the same in position, a plurality of arcuate grate members carried by the frame segments and having air passages therein, means for preventing movement of the grate members with respect to the grate segments, and means for rotating the frame segments and the grate members carried thereby.

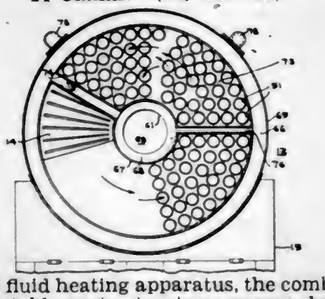
2,140,524

FLUID HEATING APPARATUS

Robert A. Foresman, Prospect Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 31, 1936, Serial No. 98,755

14 Claims. (Cl. 122—30)



14. In fluid heating apparatus, the combination of a rotatable grate structure, means defining a chamber above the grate structure, a fluid heating element disposed above the grate structure and having a space therein for fluid to be heated, means for depositing fuel upon a segment of the grate within a first zone of said chamber, means disposed above a second zone of the chamber for defining a passage for gases of combustion within the fluid heating element, a plurality of tubes disposed above a third zone of the chamber for conveying said gases in heat exchanging relation with the fluid in said space, a fluid cooled wall structure disposed between said tubes and the portion of the grate in the third zone of the chamber, means for directing the gases successively through the gas passage and said tubes, means for discharging the gases subsequent to their passage through the tubes, and means for advancing the grate through said zones of the chamber.

2,140,525

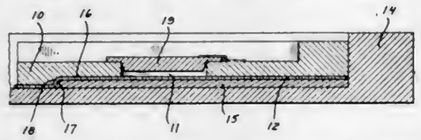
METHOD OF INSCRIBING PHOTOSENSITIVE ELEMENTS

Alvar T. Ginman, Parlin, N. J., assignor to Du Pont Film Manufacturing Corporation, New York, N. Y., a corporation of Delaware

Application September 10, 1937, Serial No. 163,322

6 Claims. (Cl. 250—67)

1. The method of recording inscriptions on a partially uncoverable photosensitized element before said element is developed into a finished picture that includes the steps of writing on an uncovered portion of said element; subjecting



said uncovered portion to a solarizing exposure, taking a picture on the covered portion of said element and subsequently developing and finishing said element.

2,140,526

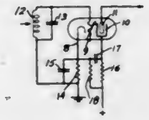
MEANS FOR INCREASING THE EFFECT OF STATIC

Philip M. Haffcke, Washington, D. C.

Application June 26, 1936, Serial No. 87,404

1 Claim. (Cl. 179—171)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a radio amplifying system, a variable transconductance amplifier vacuum tube having a cathode, a control grid, an anode and a screen grid, a first resistance connected between said screen grid and a source of positive potential, an input circuit connected to said control grid and including a second resistance connected to said cathode, and a constant third resistance connected to said source of positive potential and to said cathode between said tube and said second resistance, said second and third resistances acting as a voltage divider to apply to said input circuit biasing potentials to amplify disproportionately the higher amplitude peaks as compared with those of lower value.

2,140,527

COMPOSITION OF MATTER

Charles R. Haynes, Clinton, Conn., Weaver R. Clayton, New York, N. Y., and Robert V. Townend, Arlington, N. J., assignors to William Zinsser & Co., New York, N. Y., a corporation of New York

No Drawing. Application December 29, 1936, Serial No. 118,084

10 Claims. (Cl. 18—48)

1. A process of forming a vulcanized rubber and shellac composition which comprises mixing together shellac, a low temperature, non-alkaline accelerator and a vulcanizable rubber composition free from water soluble alkalies, and vulcanizing the resulting mixture.

2,140,528

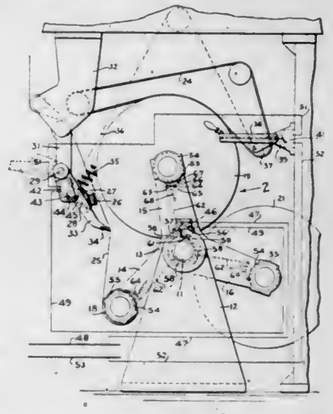
WEB SUPPLY MECHANISM FOR PRINTING MACHINES

Albert J. Horton, White Plains, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Application December 27, 1935, Serial No. 56,302

18 Claims. (Cl. 242—58)

17. In a web supply mechanism, a web roll supporting reel, a support for rotatably supporting said reel, said reel being adapted to support a freely rotatable web roll, a cam rotatable with the roll on said reel, a movable member carried by said reel, an electric circuit closing switch



adapted to be actuated by said member, means to support said switch adjacent said reel and in the path of movement of said member, and connections between said cam and said member to cause actuation of said switch by said cam.

2,140,529

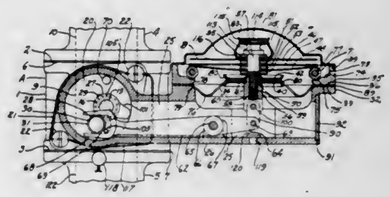
GOVERNOR MECHANISM

William E. Kemp, Detroit, Mich., assignor to Pierce Governor Company, Anderson, Ind., a corporation of Indiana

Application December 15, 1932, Serial No. 647,315

Renewed June 9, 1937

28 Claims. (Cl. 137—153)

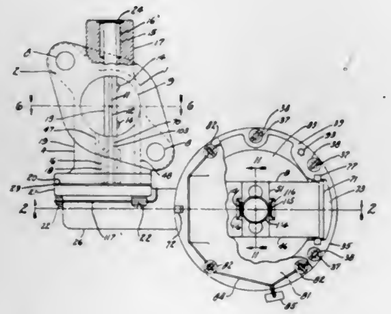


1. In a governing mechanism for an internal combustion engine having an intake fuel passage, the combination of a housing having a passage connecting with the intake passage of the engine, throttle means in the passage of said housing, a second housing having a relatively large chamber, a pair of passages connecting the passage of said first mentioned housing with the relatively large chamber of said second housing, said pair of passages connecting with the passage of said first mentioned housing at points above and below the axis of said throttle means whereby to permit transfer of gaseous fluid in said fuel passage through said chamber around said throttle means, said pair of passages permitting the relatively large chamber of said second housing to act as an air dash pot to insure stability of the governing mechanism, and a flexible diaphragm suitably mounted to form a portion of the wall of the relatively large chamber of said second housing, said flexible diaphragm being operatively connected with said throttle means to control the movement thereof, and normally being in open communication with both of said passages.

2,140,530
GOVERNOR MECHANISM

William E. Kemp, Orlando, Fla., assignor to Pierce Governor Company, Anderson, Ind., a corporation of Indiana

Application February 3, 1933, Serial No. 655,040
Renewed March 16, 1938
9 Claims. (Cl. 137—153)



1. In a governor mechanism for an internal combustion engine provided with an intake fuel passage and a throttle valve therein, the combination of a housing having a bore connected with the intake fuel passage of said engine, said housing being provided with a suction passage downstream from said throttle valve and a plurality of by-pass passages upstream from said throttle valve, said passages connecting with its bore, a second housing suitably attached to said first mentioned housing, said second housing being provided with a vacuum chamber communicating with said passages connecting with the bore of said first mentioned housing, a flexible diaphragm forming a wall portion of the vacuum chamber of said second housing, an annular housing member clamping the peripheral portion of said diaphragm in contact with said second housing, a pair of washer members clamping the central portion of said diaphragm, a single leaf spring adjacent said diaphragm, said single spring providing a balancing resistance to said diaphragm when actuated by the vacuum in the chamber of second mentioned housing, spring seats engaged by said single spring, said spring seats being rotatively mounted, an adjusting member operatively connected with said flexible diaphragm, said adjusting member securing said single spring in its assembled position, a lever pivotally mounted in the vacuum chamber of said second housing, said lever being operatively connected with said adjusting member and said flexible diaphragm, said lever being provided with a forked end, a throttle shaft suitably mounted in said first mentioned housing, said throttle shaft extending transversely through the bore of said first mentioned housing, said throttle shaft further extending into the vacuum chamber of said second housing, and a lever suitably mounted on said throttle shaft, said last mentioned lever being provided with a roller member for engaging the forked end of said first mentioned lever, said lever being further provided with a damper portion for covering one or more of said plurality of by-passages connecting the vacuum chamber of said second housing with the bore of said first mentioned housing.

2,140,531
CADMIUM ALLOY SOLDERS

Richard R. Kennedy, Dayton, Ohio

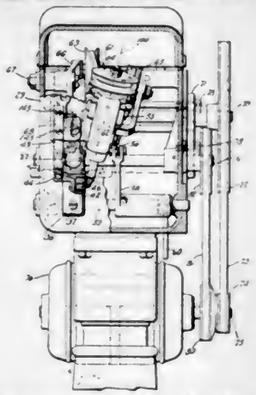
No Drawing. Application November 26, 1937, Serial No. 176,622
5 Claims. (Cl. 75—134)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. As a new article of manufacture, a solder comprising any one or more of the group, copper, silver and nickel, in amounts not in excess of 30 percent copper, 30 percent silver and 15 percent nickel, and cadmium as the remainder.

2,140,532
TRIMMING MACHINE

Axel A. Lawson, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application June 14, 1937, Serial No. 148,079
13 Claims. (Cl. 12—83.5)

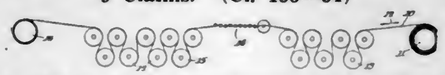


1. A shoe-trimming machine comprising a stationary finger formed and arranged to project into the space between the outer margin and the inner margin of unlasted upper materials loosely enveloping the toe of the insole of a partially fabricated shoe on a last, and power-driven cutting means including a reciprocatory cutting blade arranged to cut through said inner margin toward the outer margin, said finger being arranged to brace the inner margin close to the line of cutting and having sufficient thickness adjacent to said line to maintain the outer margin beyond the range of said blade.

2,140,533
METHOD OF AND APPARATUS FOR STRAIGHTENING STEEL STRAPPING

Chester M. MacChesney, Chicago, Ill., assignor to Acme Steel Company, Chicago, Ill., a corporation of Illinois

Application June 25, 1936, Serial No. 87,140
9 Claims. (Cl. 153—54)

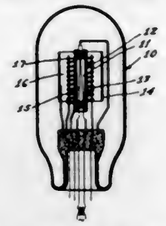


1. The method of removing lateral curvature from an elongated metal strip which consists in running the strip endwise along a zigzag path, restraining the strip against lateral movement as it travels along said path and thereby maintaining its edges substantially in parallel frames, and maintaining the strip under sufficient tension to stretch the shorter side portions thereof as it travels along said path.

2,140,534
ELECTRODE FOR ELECTRON DISCHARGE DEVICES

Charles H. Mahoney, Owensboro, Ky., assignor to The Ken-Rad Tube and Lamp Corporation, Owensboro, Ky., a corporation of Kentucky

Application January 11, 1937, Serial No. 119,928
2 Claims. (Cl. 250—27.5)

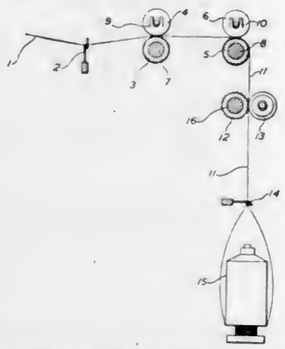


1. A laminated cathode for electron discharge devices comprising an inner layer of magnetic shielding material composed of a malleable ferrous-cobalt alloy having a cobalt content of at least 19% and a ferrous content of approximately 75% to 80%, an outer layer of an electron-emissive surface, and an intermediate layer of a nonferrous metal of good electrical conductivity to prevent chemical reaction between said outer layer and said inner layer, said intermediate layer being intimately bonded to said inner layer as in the drawing of a laminated tube composed of said inner and intermediate layers.

2,140,535
APPARATUS FOR CONVERTING CONTINUOUS FILAMENTS INTO PRODUCTS CONTAINING STAPLE FIBERS

Alexander McGill and Harry Taylor, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

Application July 23, 1937, Serial No. 155,200
In Great Britain August 7, 1936
13 Claims. (Cl. 117—1)



4. Apparatus for the production of a continuous staple fiber product from a bundle of continuous filaments, said apparatus comprising two cutting devices each having a moving cutting surface and means for pressing the bundle of filaments against said cutting surface, means for drawing the bundle of filaments through said cutting devices in turn and means for moving the first of said cutting surfaces at a linear speed lower than that of the filaments and the second of said cutting surfaces at a linear speed greater than that of the filaments.

2,140,536
AZO COMPOUNDS AND PROCESS FOR DYEING THEREWITH

James G. McNally and Joseph B. Dickey, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

No Drawing. Application August 20, 1936, Serial No. 97,026. Renewed October 19, 1937
19 Claims. (Cl. 8—50)

1. An aromatic azo derivative of 2-imino-3-cyanobarbituric acid.

2,140,537
AZO COMPOUNDS AND PROCESS FOR COLORING THEREWITH

James G. McNally and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application January 14, 1937, Serial No. 120,558
24 Claims. (Cl. 8—50)

9. The process of coloring an organic derivative of cellulose which comprises applying thereto a nuclear non-sulfonated dye having the general formula:

A—N=N—B

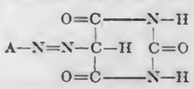
wherein A represents an aryl nucleus of the benzene series having a non-metallic univalent substituent selected from the group consisting of a nitro group, an alkyl group, an alkoxy group, an aryloxy group and a halogen atom in ortho position to the azo group, and B represents a nucleus selected from the group consisting of barbituric acid and substituted barbituric acids.

2,140,538
COLORATION OF ORGANIC DERIVATIVES OF CELLULOSE

James G. McNally and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application January 14, 1937, Serial No. 120,559
19 Claims. (Cl. 8—5)

5. The process of coloring organic derivatives of cellulose which comprises applying thereto a dye having the general formula:



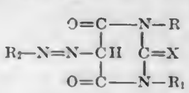
wherein A represents a nuclear non-sulfonated aryl nucleus of the benzene series.

2,140,539
AZO COMPOUNDS AND PROCESS FOR COLORING THEREWITH

James G. McNally and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application January 23, 1937, Serial No. 122,078
11 Claims. (Cl. 8—50)

1. A process of coloring an organic derivative of cellulose which comprises applying thereto a dye selected from the class of nuclear non-sulfonated azo compounds having the general formula:



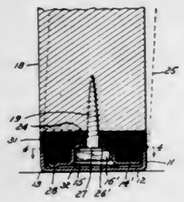
wherein X represents oxygen or sulfur, R repre-

sents hydrogen, an alkyl group, an alkaryl group or an aryl group, R_1 represents an alkyl, an alkaryl or an aryl group and R_2 represents an aryl nucleus.

2,140,540
COLOR PHOTOGRAPHY
Edmund B. Middleton and Andrew B. Jennings, New Brunswick, N. J., assignors, by mesne assignments, to Du Pont Film Manufacturing Corporation, a corporation of Delaware
No Drawing. Application February 19, 1937, Serial No. 126,735
12 Claims. (Cl. 95—88)

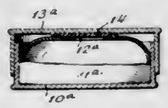
1. A color-forming photographic developer comprising an aromatic amino photographic developing agent and a diacylacetaminoaryl-bisazole.

2,140,541
CHAIR TIP
Charles W. Moore, Fullerton, Calif.
Application July 12, 1937, Serial No. 153,173
4 Claims. (Cl. 16—42)



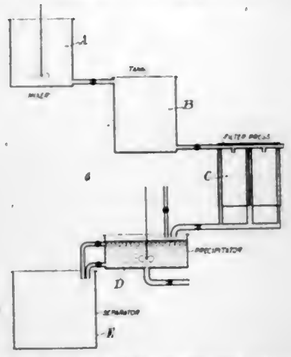
2. A device of the character described, comprising; a base; a domed washer affixed to the base; an attaching member, having a head loosely confined within, and a shank extending through a substantially larger central hole in, the domed washer; a co-axial cushioning pad seated upon the entire outer surface of the domed washer; and a co-axial circular flat washer upon said shank just above said head; the central portion of the inner surface of the domed washer being spherical; and said circular washer being adapted to engage said inner surface throughout the entire length of the periphery of the circular washer.

2,140,542
CONTAINER
Christian H. Nelson, Lyndhurst, N. J.
Application April 30, 1937, Serial No. 139,855
4 Claims. (Cl. 132—82)



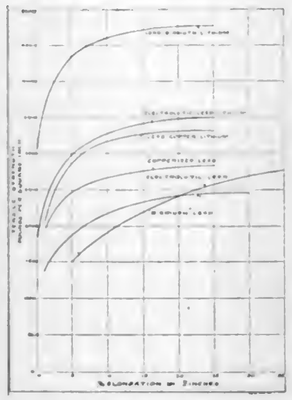
1. A receptacle for pulverulent material provided with a relatively reduced dispensing opening adapted to be temporarily covered by an applicator and dimensioned to define the pulverulent material receiving area thereof, said receptacle having an inherent resiliency whereby it may be compressed by said applicator to develop a pressure gust within said receptacle whereby the material therein is expelled into contact with that portion of said applicator which is accessible through said dispensing opening to the interior of said receptacle.

2,140,543
METHOD OF REFINING ORGANIC ACID ESTERS OF CELLULOSE
Dennis E. Northrop and Robert C. Burton, Kingsport, Tenn., assignors, by mesne assignments to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Application December 7, 1935, Serial No. 53,391
11 Claims. (Cl. 260—102)



1. A process for the manufacture of high-grade, non-hazing, acetyl esters of cellulose which comprises preparing and precipitating an organic acid ester of cellulose, subjecting the precipitated ester to washing, at least partially drying the ester, dissolving the ester in a solvent, filtering the solution thus formed and then precipitating the ester from its solution by means of an agitated precipitant which at least just precipitates the ester but comprises less than 65% water, and maintaining this precipitant of substantially uniform and constant composition during precipitation by rapidly comingling the precipitant and filtered ester.

2,140,544
LEAD-BISMUTH-LITHIUM CABLE SHEATH
Hans Osborg, Bronxville, N. Y., assignor to Maywood Chemical Works, Maywood, N. J., a corporation of New Jersey
Application November 9, 1935, Serial No. 48,987
2 Claims. (Cl. 75—167)

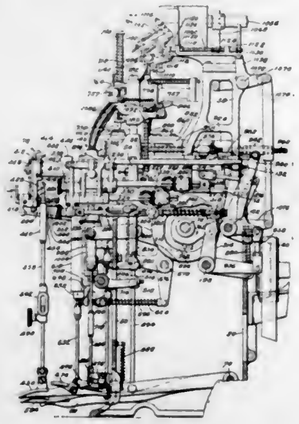


1. An extrudable and workable lead alloy having great strength with good ductility, stiffness and toughness, high fatigue limit and good corrosion resistance with respect to ordinary lead and containing about 0.005% to about 0.025% lithium, about 0.03% to about 0.09% bismuth, and the balance consisting of substantially pure lead.

2,140,545
PRODUCTION OF LUBRICANTS
Mathias Pier, Heidelberg, and Friedrich Christmann, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application January 19, 1935, Serial No. 2,586. In Germany January 20, 1934
18 Claims. (Cl. 87—9)

1. A composition of matter comprising a synthetic product of high molecular weight prepared by voltolization in liquid phase of a mixture of an organic compound having a long hydrocarbon chain and a substance selected from the class consisting of elementary sulfur and an organic sulfur compound.

2,140,546
METHOD OF AND MACHINE FOR USE IN MANUFACTURING SHOES
Charles F. Pym, deceased, late of Beverly, Mass., by Arthur F. Pym, executor, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application July 3, 1936, Serial No. 88,818
185 Claims. (Cl. 12—4)



1. In an assembling machine, means for supporting a loose counter without the aid of a heel form, and means for urging the heel portion of an upper against the outer face of the counter.

2,140,547
CHLORINATION OF ETHANE
John H. Reilly, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application August 26, 1936, Serial No. 98,095
2 Claims. (Cl. 260—656)

1. In a process of chlorinating ethane, the step which consists in subjecting a gaseous mixture containing ethane and chlorine, in the ratio of between about 2.4 and about 3.5 parts by weight of chlorine per part of ethane, to intimate contact with a liquid mass of metal chlorides maintained at a temperature above about 250° C. but below the decomposition temperature of the ethyl chloride.

2,140,548
CHLORINATION OF ETHYLENE CHLORIDE
John H. Reilly, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application March 19, 1937, Serial No. 131,823
3 Claims. (Cl. 260—658)

1. In a process for the conjoint preparation of di- and trichloroethylene, the step which consists in passing chlorine and ethylene chloride, in the ratio of between about 0.7 and about 1.0 part by weight of chlorine per part of ethylene chloride, into a molten metal chloride bath maintained at a temperature between about 400° and about 480° C.

2,140,549
PREPARATION OF 1,1,2-TRICHLOROETHANE
John H. Reilly, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application March 19, 1937, Serial No. 131,977
3 Claims. (Cl. 260—658)

1. In a method of preparing 1,1,2-trichloroethane from ethylene chloride, the step which consists in passing chlorine and ethylene chloride, in the ratio of between about 0.55 and about 0.75 part by weight of chlorine per part of ethylene chloride, into a bath of molten metal chlorides maintained at a temperature between about 300° and about 425° C.

2,140,550
CHLORINATION OF BENZENE
John H. Reilly, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application February 11, 1938, Serial No. 190,132
6 Claims. (Cl. 260—650)

1. The process which comprises reacting chlorine with benzene in contact with molten metal chlorides at a temperature between 200° and 400° C.

2,140,551
CHLORINATION OF ACETYLENE
John H. Reilly, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application February 11, 1938, Serial No. 190,133
4 Claims. (Cl. 260—654)

1. The process which comprises reacting chlorine with acetylene in the presence of the vapors of a nonflammable chlorinated lower aliphatic hydrocarbon, and in contact with molten metal chlorides at a temperature between about 175° and 250° C.

2,140,552
GAS EXPANDED PRODUCT
Dudley Roberts, New York, N. Y., assignor to Rubatex Products, Inc., New York, N. Y., a corporation of Delaware
Application November 30, 1934, Serial No. 755,464
3 Claims. (Cl. 9—8)

1. As an article of manufacture, a gas-expanded rubber product having an individual

cellular structure, said rubber product containing quantities of hydrogen sulphide gas, a layer



of fibrous material secured to the rubber surface, and a metallic layer surrounding said rubber product and adhering to said fibrous material.

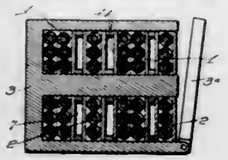
2,140,553

SLOW ELECTROMAGNETIC DEVICE HAVING THE SAME TEMPERATURE COEFFICIENT OF RESISTANCE MATERIALS IN ASSISTING WINDINGS

Albert B. Rypinski, Laurelton, Long Island, N. Y.

Original application May 18, 1933, Serial No. 671,767. Divided and this application January 5, 1934, Serial No. 705,466

13 Claims. (Cl. 175—372)



1. A slow electromagnetic device comprising a pair of inductively coupled windings connected in parallel one with respect to the other so that the polarity of the magnetism produced by one winding is such as to be additive to the magnetism produced by the other winding, said windings having different numbers of turns and being constituted by materials having the same temperature coefficients of resistance, said materials constituting means, when energized and heated, to substantially and disproportionately alter the resistance of said paralleled windings and the sum total of magnetism of said device, said different numbers of turns constituting means, through the transformer action between said inductively coupled windings, to further alter the division of current in said two windings and the magnetism of said device.

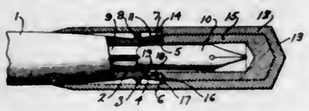
2,140,554

FOUNTAIN PEN INK GUARD AND CAP

Solomon M. Sager, Hubbard Woods, Ill.

Application June 28, 1937, Serial No. 150,670

15 Claims. (Cl. 120—42)



1. A fountain pen including in combination a barrel, an apertured ink guard on one end thereof formed with a plurality of sealing shoulders, an apertured cap, and a sleeve secured in said cap and formed with a plurality of sealing shoulders to sealingly contact the shoulders of the ink guard when the cap is engaged on the barrel over the ink guard.

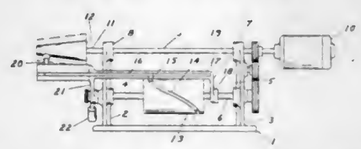
2,140,555

APPARATUS FOR CONTROLLING SPEED OF WINDING MACHINERY

Howard A. Satterlee, Needham, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine

Application August 31, 1936, Serial No. 98,645

2 Claims. (Cl. 242—18)



1. In a thread-winding machine having a winding spindle, a spool mounted thereon, a motor for driving the spindle and a speed control circuit for the motor including a potentiometer having a movable contact, the combination of a lever having a large mass at one end, means rotatably mounting the lever at a point nearer the weighted end, means at the other end of the lever adapted to bear against the thread on the spool, a link rotatably connected by one end to said lever near the mounting point of the latter, the other end of said link being connected to the movable contact of said potentiometer.

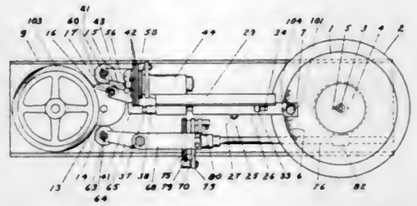
2,140,556

DIAL ENGRAVING MACHINE

Howard A. Satterlee, Needham, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine

Application June 28, 1937, Serial No. 150,769

14 Claims. (Cl. 33—19)



1. A dial-engraving machine including a cutter, means for moving the same over the dial in a succession of cutting strokes of constant length and means for raising the cutter out of the dial during each cutting stroke when the desired length of cut has been made.

2,140,557

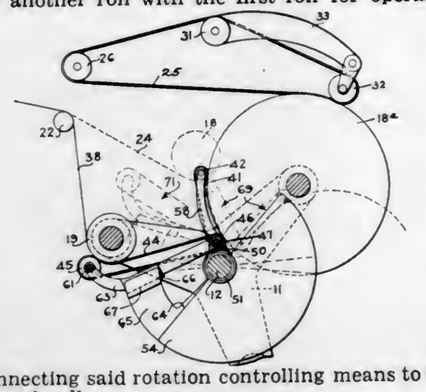
WEB SUPPLY MECHANISM

Otto Schwarz, New York, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Application May 6, 1936, Serial No. 78,137

18 Claims. (Cl. 242—75)

2. In a web supply mechanism, a support for a plurality of web rolls, means to control the rotation of one of the rolls, and means connecting another roll with the first roll for operably



connecting said rotation controlling means to the second roll.

2,140,558

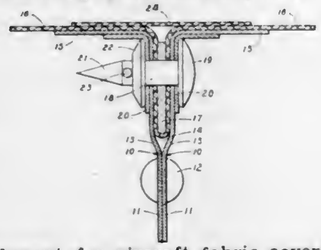
AIRPLANE FABRIC ATTACHMENT

Karl Schmidt, United States Navy

Application June 3, 1938, Serial No. 211,596

1 Claim. (Cl. 244—132)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



Attachment for aircraft fabric covering comprising a cap-strip formed of two complementary angle members secured together and having a space therebetween into which the fabric extends, a load-strip disposed within said space and over the fabric therein, the outer edge of said load-strip being disposed within the plane of said covering to provide a smooth unbroken surface, and fastening pins extending transversely through said cap-strip, fabric and load-strip and disposed parallel to the plane of said covering for securing the fabric and load-strip in said space, said pins being thus subjected to shearing strains only when the covering is air-loaded.

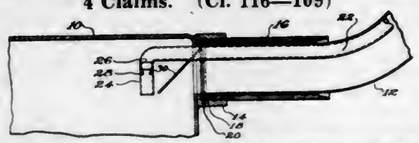
2,140,559

AUDIBLE SIGNAL DEVICE

Frank P. Scully, Cambridge, and Alcide E. Mathey, Auburndale, Mass., assignors to Scully Signal Company, Cambridge, Mass., a corporation of Massachusetts

Application October 7, 1936, Serial No. 104,488

4 Claims. (Cl. 116—109)



1. The combination with a closed container, of a conduit extending into the container below the top thereof and open at its lower end, an audible signal in series with the conduit and normally actuated by a stream of gas or vapor entering the conduit from the open end when the rising liquid level is below the lowermost portion of the conduit, and means associated with the conduit so constructed and arranged relative thereto and to the audible signal as to vary the characteristics of the air stream, after entrance to the lowermost portion of the conduit has been sealed by rising liquid level, to avoid actuation of said signal while still permitting continued venting of gas or vapor through the audible signal.

2,140,560

METHOD OF PRODUCING MOLDING COMPOSITIONS

Leonard Smidth, New York, N. Y., assignor to Luco Products Corporation, Brooklyn, N. Y., a corporation of Delaware

No Drawing. Application May 16, 1931, Serial No. 537,998. Renewed May 7, 1936

6 Claims. (Cl. 260—39)

1. In the process of manufacturing urea-formaldehyde molding compositions, the steps which comprise substantially removing the water present from the primary reaction product of urea and an aqueous solution of formaldehyde while in admixture with a filler, the primary reaction product being obtained by reacting at a temperature below boiling, and before drying not having been reacted to the point where there is substantial change in the viscosity of the solution, then simultaneously reacting and drying, such that the water of reaction is removed as it is formed, whereby the condensation reaction is substantially completed during the drying process and a dry, stable, fusible molding composition obtained.

2,140,561

UREA-FORMALDEHYDE CONDENSATION PRODUCTS

Leonard Smidth, New York, N. Y.

No Drawing. Application August 10, 1933, Serial No. 684,561

17 Claims. (Cl. 260—3)

1. In the process of manufacturing urea formaldehyde condensation products, the steps which consists in reacting urea and formaldehyde in solution at least to the methylol urea stage but not until substantial polymerization begins, then removing as much solvent as possible and continuing the reaction and drying simultaneously in the presence of an acid substance, thereby producing a fusible mass, suitable for casting, molding and the like.

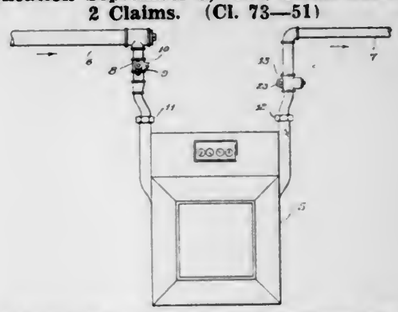
2,140,562

METER TESTER

Frank Snow, Brooklyn, N. Y.

Application September 8, 1936, Serial No. 99,839

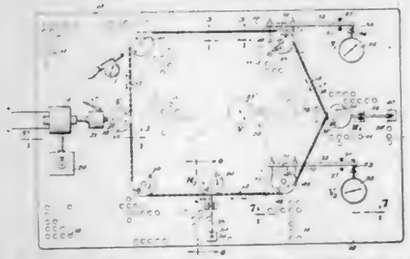
2 Claims. (Cl. 73—51)



1. Meter testing apparatus comprising inlet and outlet pipes for connection with a meter, means

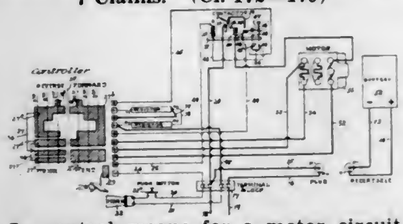
substantially permanently attached and made integral with said outlet pipe for testing the flow of gas through said meter, said means including a T-shaped connection having an opening therethrough, the extension of said T-shaped connection having an opening communicating with said first-mentioned opening, a plug positioned in said last-mentioned opening and having a restricted bore therethrough and means for normally closing said last-mentioned opening.

2,140,563
EDUCATIONAL APPARATUS
Sander Stern, New York, N. Y.
Application December 8, 1936, Serial No. 114,726
16 Claims. (Cl. 35—19)



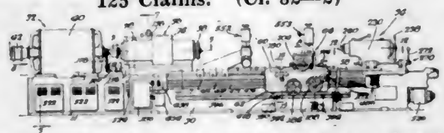
1. A device for mechanically simulating a continuous electrical circuit including an endless substantially inextensible rope for representing the electrical circuit, and means for guiding said rope to define the closed path of said rope; and means for driving said rope comprising a series wound direct current motor, whereby the characteristic action of direct current circuits is closely simulated.

2,140,564
MOTOR CONTROL
Frank Stoner, Lakewood, Ohio, assignor to The Baker-Raulang Company, Cleveland, Ohio, a corporation of Ohio
Application March 16, 1937, Serial No. 131,253
7 Claims. (Cl. 172—179)



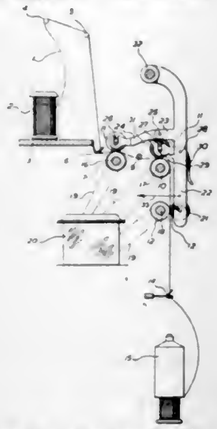
5. In control means for a motor circuit, the combination with a motor, a controller and a source of power supply for the motor, of a circuit for the motor including a stationary contact and a movable contact arranged to engage therewith and separate contacts arranged to be engaged by portions of said controller when moved to predetermined different speed positions, a shunt circuit connected by leads to certain of said separate contacts and arranged to be closed when the controller is moved to the first speed position and opened through one of said separate contacts upon movement of the controller to another speed position, an electro-magnet, the coil of which is connected in said shunt circuit, for operating said movable contact, switch contacts connected to one side of said shunt circuit and another one of said separate contacts, respectively, the movable one of said switch contacts being operatively connected to said movable contact, to engage and maintain the shunt circuit closed upon movement of the controller to another speed position.

2,140,565
MATERIAL WORKING APPARATUS
Ernest J. Svenson, Rockford, Ill.
Application January 23, 1934, Serial No. 707,934
125 Claims. (Cl. 82—2)



1. In material working apparatus, a bearing structure, a supporting spindle rotatable within said bearing structure, a machine element, said spindle and machine element being relatively translatable, an electric motor for driving said spindle, propelling mechanism for imparting relative translation between said machine element and spindle, and electrical transmission interposed between said motor and said propelling mechanism for synchronizing the rotative speed of the spindle and the translating effectiveness of said propelling mechanism.

2,140,566
APPARATUS FOR CONVERTING CONTINUOUS FILAMENTS INTO PRODUCTS CONTAINING STAPLE FIBER
William Ivan Taylor and Leslie Brisbane Gibbins, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application July 29, 1937, Serial No. 156,297
In Great Britain August 7, 1936
7 Claims. (Cl. 19—1)



5. Apparatus for the production of a continuous staple fiber product from a bundle of continuous filaments, said apparatus comprising two cutting devices each consisting of a pair of rollers pressed together upon the filaments by the weight of one of the rollers, at least one of said rollers in each pair having a cutting surface, means for drawing a bundle of filaments through said cutting devices in turn, a lever for the upper roller of each cutting device, said levers having bearings for said upper rollers, and having pivots horizontally removed from said rollers, and means for swinging said levers together so as to lift said upper rollers for the purpose of starting the operation of the apparatus.

2,140,567
APPARATUS FOR MAKING AND/OR UTILIZING PHOTO RECORDS
Leonard G. Townsend, Washington, D. C.
Application February 8, 1937, Serial No. 125,258
17 Claims. (Cl. 88—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A photographic machine comprising a member provided with a film gate aperture therein, a first and second film magazine, feed sprockets adapted to guide film from one of said film magazines across the film gate aperture in said member and into the other of said film magazines, means for reciprocably moving said member normal to the surface of the film carrier across the aperture therein, means for preventing film from being withdrawn from the second of said magazines but permitting it to be withdrawn from the first of said magazines during the movement of said member in one direction, and means for feeding the film withdrawn from said first magazine into said second magazine during movement of said member in the other direction.

2,140,568
PRODUCTION OF CELLULOSE DERIVATIVES
Wilhelm Traube, Berlin, Germany, assignor of three-sevenths to N. V. Allgemeene Chemische en Technische Maatschappij "Achetem", The Hague, Netherlands
No Drawing. Application August 2, 1935, Serial No 34,317. In Germany July 21, 1933
9 Claims. (Cl. 260—152)

1. The process of producing a cellulose derivative which consists in causing an alkylating agent, selected from the group consisting of methyl and ethyl compounds, to react with alkali metal cupric cellulose, $[C_6H_7O_3(OH)(Ocu)]X$, where X represents an alkali metal, and "cu" designates ½ Cu, in the presence of free alkali, thus producing both the desired derivative and also a copper compound and treating the reaction mixture with a solvent of the said copper compound to remove it and thereby isolate the desired cellulose derivative.

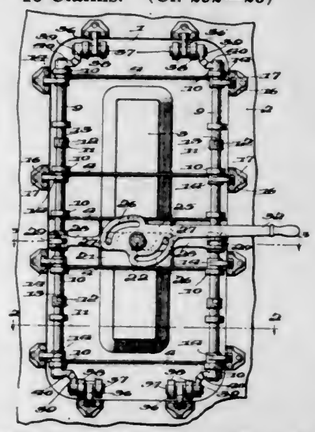
2,140,569
PRODUCTION OF ORGANIC SULPHUR COMPOUNDS
Hanns Ufer and Otto Hecht, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application April 11, 1936, Serial No. 73,932. In Germany April 17, 1935
13 Claims. (Cl. 260—513)

1. The process of producing organic sulphur compounds which comprises reacting sulphur compounds otherwise stable under the reaction conditions obtaining and having the general formula

$$R(YCH{=}CH_2)_x$$

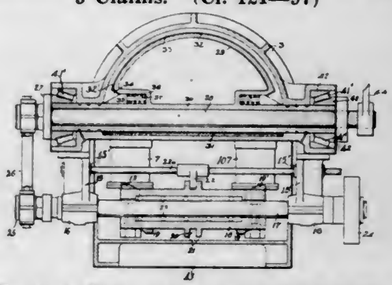
in which R is a member selected from the group consisting of radicles of aliphatic, cycloaliphatic, aliphatic-aromatic and aromatic hydrocarbons and their halogen-, hydroxyl, alkoxy, hydroxyalkyl, nitro, amino, sulphhydryl, carboxylic and sulphonic acid substitution products, x is a whole number up to 2 and Y stands for a member selected from the group consisting of S and SO with bisulphites of metals selected from the group consisting of sodium, potassium and calcium.

2,140,570
DOOR SECURING MECHANISM
William Young, Washington, D. C.
Application July 12, 1937, Serial No. 153,221
13 Claims. (Cl. 292—25)



1. Mechanism for securing a door, hatch or other closure in closed position, said mechanism including a shaft rotatably mounted upon the door and extending lengthwise along a face thereof, a plurality of members movable by said shaft in planes substantially normal to the axis of the shaft, each of said members having a shouldered portion adapted to have hooked engagement with means mounted adjacent the opening to be closed by the door, and means for rotating said shaft to actuate said members.

2,140,571
STEAM ENGINE
Robert H. Blocker, San Francisco, Calif.
Application November 30, 1936, Serial No. 113,356
3 Claims. (Cl. 121—97)

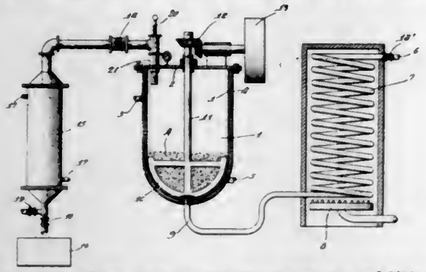


1. In a packing construction for a steam engine having a semi-spherical casing and an oscillating piston mounted in the casing which has grooves at its sides, sealing members located in the grooves, and spring-pressed wedge means for urging the sealing members outwardly against the wall of the casing.

2,140,572
PROCESS FOR PRODUCING FURFURAL
Harold J. Brownlee, Cedar Rapids, Iowa, assignor to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey
Application June 24, 1936, Serial No. 87,000
6 Claims. (Cl. 260—347)

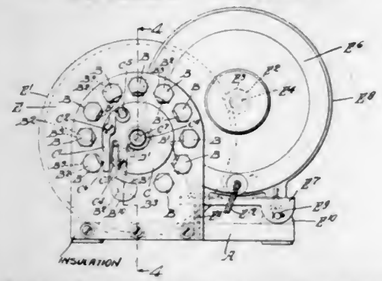
1. A process for the manufacture of furfural

which comprises treating a mixture of pentose-yielding material, water, and an acid catalyst by subjecting it to heat and pressure sufficient to hydrolyze the material while maintaining the water content thereof substantially undiminished,



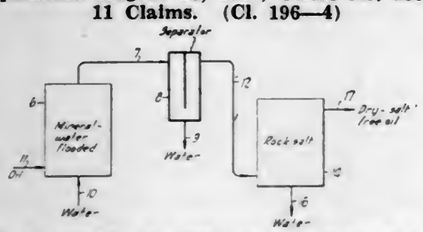
then subjecting the reaction mass to additional heat and the continuous flow therethrough of a moisture-absorbing gas with a sufficiently high heat-content to rapidly remove the furfural as formed and simultaneously to dry the reaction mass.

2,140,573
ELECTRICAL IMPULSE GENERATOR
Chauncey L. Calkins, Chicago, Ill., assignor to Lothar A. Ederer, Chicago, Ill.
Application March 16, 1934, Serial No. 715,906
10 Claims. (Cl. 200—26)



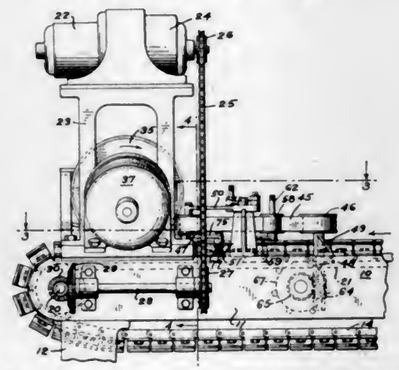
2. In an electric impulse generating apparatus, a series of circularly arranged electric contacts, a rotary contact switch member comprising a pivotally mounted contacting arm and means for moving it across the contacts positively, positive means for relatively adjusting the points of contact of the moving contact arm upon the stationary contacts of the series, and including an adjustable eccentric stop member engaging the switch arm and defining the normal position thereof to a predetermined extent and electric conductors connected to the electric contacts and to the rotary contact switch member, whereby electric paths are regularly formed and broken.

2,140,574
PROCESS OF DESALTING MINERAL OIL
Cedric S. Cerf, Holt, Calif.
Application August 16, 1937, Serial No. 159,222
11 Claims. (Cl. 196—4)



1. A process for desalting a substantially dry emulsion free mineral oil comprising passing said substantially dry emulsion free oil upwardly through a stationary bed of rock salt while maintaining said bed dry.

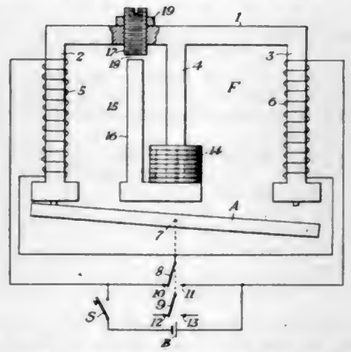
2,140,575
FISH CUTTING MACHINE
Edward David, Carmel, and Stephen B. Szody, Seaside, Calif.
Application September 5, 1936, Serial No. 99,570
22 Claims. (Cl. 17—4)



1. In a fish cutting machine, rotary knives for cutting the fish longitudinally, a conveyor passing under said rotary knives, said conveyor having a longitudinally extending slot to accommodate the cutting edge of said knives, and a pair of spaced endless belts disposed above said conveyor but terminating short of the edges of said knives, for aligning the fish on said conveyor.

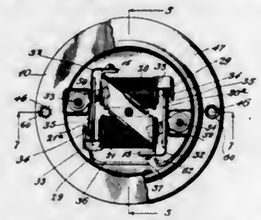
8. In a fish cutting machine, a pair of longitudinal cutters having a complementary pitch to define a wedge cut on a horizontal plane, conveyor means for causing fish to pass through said cutters, and means co-acting with said cutters to produce a shearing action during the cutting operation.

2,140,576
ELECTRICAL RELAY
Arthur W. Fisher, Forest Hills, and Wesley B. Wells, Wilkinsburg, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application May 26, 1937, Serial No. 144,846
12 Claims. (Cl. 175—320)



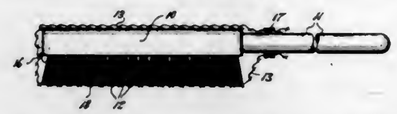
1. A relay comprising a core having three legs, an armature pivotally mounted and arranged to swing towards one or the other of the outer legs, two windings one on each outer leg, means for alternately energizing said windings to operate said armature, short circuited windings on the middle leg for adjusting the time lag of the response of said armature to said alternate energization, and variable means for magnetically shunting said short circuited windings.

2,140,577
AUDIBLE ELECTRIC SIGNAL
Arthur C. Gaynor, Stratford, Conn.
Application September 11, 1934, Serial No. 743,508
8 Claims. (Cl. 177—7)



2. In a device of the character described, a base plate of magnetic material; a frame having a yoke and two arms of magnetic material, each arm being secured to the base plate; a pair of electromagnets each secured at one end only to one of said arms, said electromagnets being arranged side by side and the secured end of each being adjacent the unsecured end of the other electromagnet; a pair of armatures one for each electromagnet, the armature for one electromagnet being movably carried by the arm of said yoke which carries the other electromagnet, one of said armatures constituting a buzzer vibrator; a bell clapper carried by the other armature; armature contact-engaging means, one for each electromagnet; and a bell carried by said yoke and covering and concealing said yoke electromagnets and armatures and having a portion positioned to be struck by said clapper.

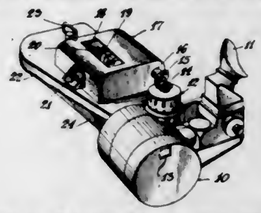
2,140,578
SCOURING DEVICE
Alfred M. Goodloe, Roanoke, Va., assignor to Metal Textile Corporation, West Orange, N. J., a corporation of Delaware
Application June 3, 1937, Serial No. 146,235
5 Claims. (Cl. 15—111)



1. A scouring device comprising, a brush element and a cover element of metallic mesh overlying the bristle face of said brush element and through the interstices of which the bristle ends may work in conjunction with the abrasive effect of the mesh when the device is applied to a surface to be scoured.

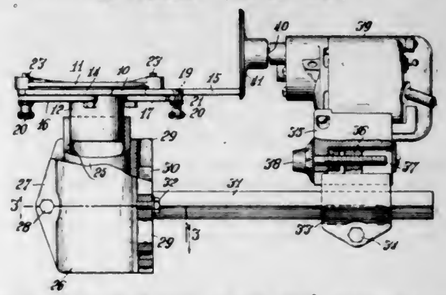
2,140,579
AVERAGING DEVICE
Harold E. Gray, Brownsville, Tex.
Application August 20, 1937, Serial No. 160,147
13 Claims. (Cl. 33—70)

1. A device for obtaining the altitude of a celestial body comprising a bubble octant and an averaging mechanism connected to said octant for averaging the altitude measurements taken by said octant, said averaging mechanism comprising a power driven turn-table and a rotatable



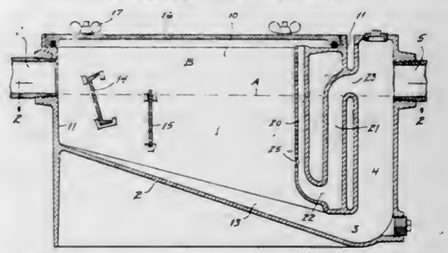
index wheel in frictional contact with said turn-table.

2,140,580
MEANS FOR FITTING BRAKE BANDS AND LININGS
Milton E. Hatchman, Chicago, Ill.
Application August 17, 1934, Serial No. 740,275
13 Claims. (Cl. 51—241)



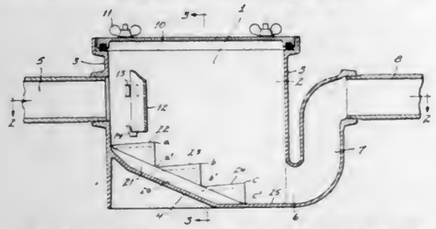
11. In a mechanism of the type described, the combination of a sleeve, means for rotatably mounting said sleeve in concentric position about an axle, a slide box on one side face of said sleeve longitudinally thereof, a block slidably mounted in said slide box, a bar mounted on said block in substantially radial position with respect to said sleeve, a head slidably mounted on said bar, and grinding means operatively mounted on said head.

2,140,581
GREASE INTERCEPTOR
Joseph Hirshstein, Cleveland, Ohio
Application November 15, 1935, Serial No. 50,000
10 Claims. (Cl. 210—56)



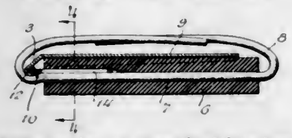
1. In a clarifying apparatus for waste water, an enclosed basin having an inlet and having an outlet arranged to maintain a normal water level in the basin below the top thereof, conduit means for containing a column of water opening into the outlet and extending substantially below the water level in the basin, a second conduit means communicating with the lower extremity of the first named means, and extending upwardly into and communicating with the space above the water in the basin.

2,140,582
WATER CLARIFYING APPARATUS FOR RECLAIMING OIL AND GREASE
Joseph Hirshstein, Cleveland, Ohio
Application January 21, 1936, Serial No. 60,091
7 Claims. (Cl. 210—56)



1. In a clarifying apparatus for waste waters, a basin having an inlet and an outlet, a sloping channel in the bottom wall of said basin for directing the flow of water from the inlet to the outlet, and a plurality of level surfaces arranged at different elevations lying adjacent said bottom channel, for collecting deposits of waste material thereon.

2,140,583
HAIR CURLER
Joseph Jacobs, Bridgeport, Conn., assignor to The A. J. Donahue Corporation, Milford, Conn., a corporation of Connecticut
Application February 17, 1938, Serial No. 190,911
2 Claims. (Cl. 132—44)



1. In a hair curler, a mandrel having an opening therethrough, a clamping arm cooperating with said mandrel, a carrier for said arm including an enlarged head providing a pivot for said arm, and further including a shank extending into said opening for frictional engagement with the wall thereof, and a pliable curl-retaining member extending through said opening and projecting from at least one end of the mandrel.

2,140,584
SCANNING DEVICE
John Henry Jeffree, Bray-on-Thames, England, assignor to Scophony Limited, London, England, a company of Great Britain
Application January 23, 1935, Serial No. 3,062
In Great Britain January 23, 1934
15 Claims. (Cl. 178—7.6)



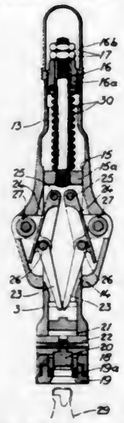
1. Scanning apparatus for producing motion of a scanning beam in two directions, for use for television, picture telegraphy and the like purposes, comprising means for developing a beam having a larger light grasp in a first direction than in a second direction perpendicular to said first one, and arranged in the path of said beam, in the order named, a first scanner for producing motion of said beam in said second direction, a transforming device for changing the direction of said motion through substantially 90° relatively to the directions of larger and smaller light grasps of said beam, said device comprising a plurality of juxtaposed individual optical elements arranged across the path of said beam and each affecting a different portion of said beam, and a second scanning device for producing motion of said beam also in said second direction.

2,140,585
ROPE TRAMWAY
Fredrik Johansen and Elmer J. Lloyd, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application November 25, 1936, Serial No. 112,764
2 Claims. (Cl. 104—87)



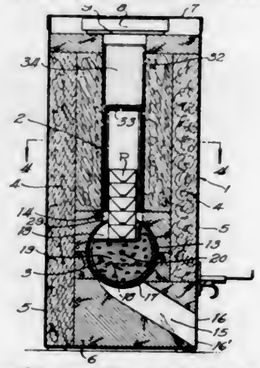
1. In an overhead track construction including a rigid track and a flexible track, a movable rail end of substantially inverted U-shaped construction pivotally supported by said rigid track and interposed between said rigid track and flexible track comprising a main body portion, flanges on each end of said main body portion, said flanges on one end disposed on each side of said rigid track and the flanges on the other end disposed on opposite sides of said flexible track, the top surfaces of said flanges approaching gradually to the level of the tread surfaces of the respective tracks so that a carrier is transferred from said rigid track to said flexible track in a smooth and gradual manner and with no impact on the flexible track.

2,140,586
DEVICE IN CAPPING MACHINES
Josef Einar Jonsson, Linkoping, Sweden
Application June 2, 1937, Serial No. 145,925
In Austria June 6, 1936
5 Claims. (Cl. 226—85)



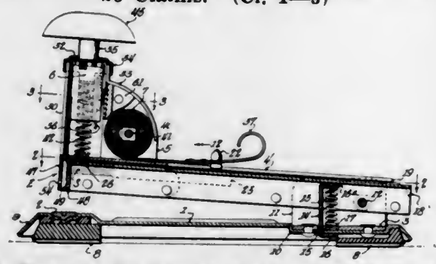
1. In a capping head for applying caps to bottles, the combination of a casing, a supporting member movable in said casing and carrying a movable pressure block, means controlled by said pressure block to engage and deform the skirt of the bottle cap about the mouth of a bottle to seal the same, a pair of pivoted joint levers, each comprising an upper and a lower link, said joint levers being carried by the supporting member and adapted to transmit pressure to said pressure block, and stops arranged in the casing and in the paths of movement of the upper links of said pair, whereby relative movement between said supporting member and joint levers and said stops will cause the latter to engage the said upper links and cause the pressure block to move in the capping direction to seal a cap.

2,140,587
VENDING MACHINE FOR FROZEN CONFECTIONS
George W. Kalbitzer, Jr., Los Angeles, Calif., assignor, by mesne assignments, to J. P. Seeburg Corporation, Chicago, Ill., a corporation of Illinois
Application November 18, 1935, Serial No. 50,267
3 Claims. (Cl. 312—36)



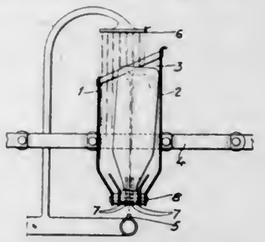
3. In a vending machine, a vending gate to dispense articles; and means associated with said vending gate to provide a plurality of dead air spaces around said gate; said means comprising a flexible base member and a plurality of flexible ribs extending therefrom into contact with said gate.

2,140,588
STAPLING MACHINE
Edward Krantz, Chicago, Ill., assignor to Ace Fastener Corporation, Chicago, Ill., a corporation of Illinois
Application July 25, 1935, Serial No. 33,109
26 Claims. (Cl. 1—3)



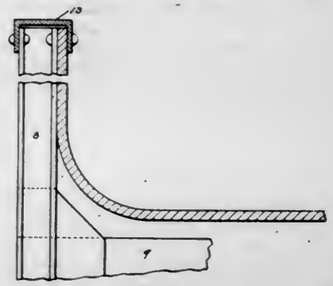
1. In a stapling device, a beam magazine having a core forming a staple track and side plates to guide the staples on said track, laterally projecting ears at the forward end of said side plates, a plate on said ears and forming a part of a staple ejection chute, a second plate completing said ejection chute, staple driving mechanism, and a housing for said staple driving mechanism positioned on said magazine and having a cut away portion through which said ears project.

2,140,589
BOTTLE WASHING APPARATUS
Sven Erik Lannmark, Stockholm, Sweden
Application April 29, 1937, Serial No. 139,656
In Sweden September 20, 1935
4 Claims. (Cl. 198—131)



1. As an element of a bottle washing machine, a receptacle for bottles to be washed, said receptacle comprising a cell open at one end thereof for receiving a single bottle, and a grill provided at the other end of the cell, said grill consisting of a plurality of upright plates arranged in spaced relationship with their outer edges parallel to one another and being cut out obliquely to form a substantially conical recess in said grill for centering and supporting the mouth of the bottle.

2,140,590
DUMP TRUCK BODY
Carl W. Meininger, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 8, 1937, Serial No. 124,605
2 Claims. (Cl. 296—28)

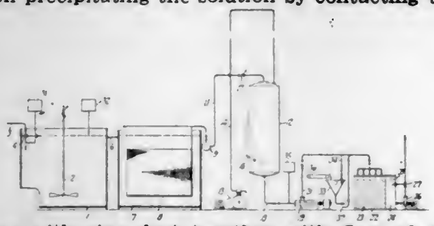


1. A truck body comprising a bottom and side walls of sheet metal, said bottom being curved upwardly at the side extremities thereof to form vertical side walls, said walls being secured throughout a substantial portion of their depths to chassis supported vertical members whereby load forces on the body are transmitted to the truck chassis entirely by said vertical members.

2,140,591
CYANIDE SYSTEM
Louis D. Mills and Thomas B. Crowe, Palo Alto, Calif., assignors to The Merrill Company, San Francisco, Calif., a corporation of California
Application June 1, 1936, Serial No. 82,704
8 Claims. (Cl. 75—107)

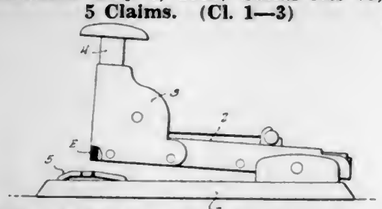
1. In a process of treating unclarified alkaline cyanide solution containing dissolved precious metals and from which the majority of ore solids have been removed by gravity settling, clarifying the solution by filtration while the solution contains a soluble starchy coagulant, subjecting the

clarified solution to chemical deoxidation, and then precipitating the solution by contacting the



same with zinc dust together with flow of the solution through a precipitating filter.

2,140,592
STAPLING DEVICE
William G. Pankonin, Chicago, Ill., assignor to Ace Fastener Corporation, Chicago, Ill., a corporation of Illinois
Application May 7, 1936, Serial No. 78,301
5 Claims. (Cl. 1—3)



1. In a stapling machine, the combination of a base, an anvil provided with two different types of elongated clenching recesses, means for supporting said anvil on said base for movement transversely of the direction of the lengths of said recesses, said means comprising downwardly extending lugs formed on said anvil operating in elongated slots formed in said base, and means carried by said lugs and cooperating with said base for holding said anvil in either of its positions of adjustment.

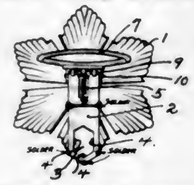
2,140,593
STAPLE
William G. Pankonin, Chicago, Ill.
Original application September 5, 1935, Serial No. 39,247, now Patent No. 2,111,404, dated March 15, 1938. Divided and this application October 4, 1937, Serial No. 167,133
7 Claims. (Cl. 1—56)



1. A staple clip comprising a series of preformed individual staples in row formation, said staples having slidably engageable and disengageable integral means formed thereon for holding one staple in interlocking engagement with an adjacent staple.

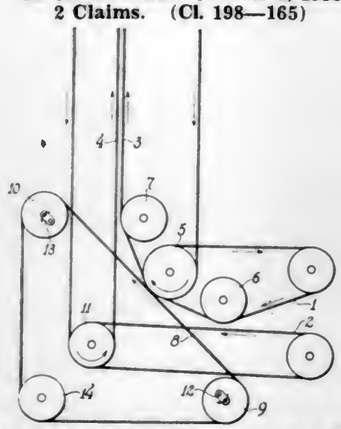
2,140,594
ORNAMENTAL DEVICE
Oscar Placco, Cranston, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application March 12, 1937, Serial No. 130,483
1 Claim. (Cl. 63—2)

An ornamental device comprising a front ornament member, a clip member connected to the rear surface of said ornament member, said clip member having its upper portion spaced from said rear surface, said upper portion having a longitudinal recess which divides said upper portion into two longitudinal legs, a perforated clamping member, a pivot member rigidly connected to the wall of said clamping member and turnably connected to said legs so as to turn around a predetermined axis relative to said legs, said pivot member being located between said upper portion and said rear surface when the clamping member is in its inoperative position, said clip member being located between said



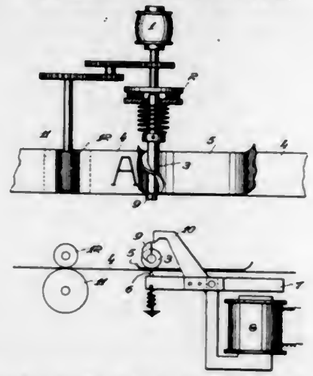
clamping member and said rear surface when the clamping member is in its operative position, said clamping member abutting the lower end of said clip member when said clamping member is in said operative position, and a spring located in said recess and connected to said clip member, said spring being also connected to said pivot member at a point which is offset laterally from said axis, said point being located between said upper portion and said rear surface when the clamping member is in its inoperative position, said upper portion being located between said point and said rear surface when said clamping device is in operative position.

2,140,595
BELT CONVEYER FOR NEWSPAPERS AND LIKE ARTICLES
Harold Herbert Rapley, Bedford, England, assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application September 25, 1936, Serial No. 102,496
In Great Britain October 1, 1935
2 Claims. (Cl. 198—165)



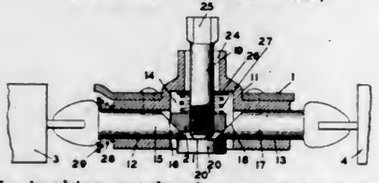
1. In a newspaper conveyer, in combination, associated horizontal and vertical belt conveyer sections for carrying the newspapers in overlapped relationship, the latter conveyer section including inner and outer belts between which the newspapers are frictionally held, driving rollers for said belts including a corner roller associated with said inner belts for engaging the inner surface of the newspapers as the same pass around the corner between said conveyer sections, and auxiliary belts arranged between said outer belts and crossing the angle between said conveyer sections for engaging the outer surface of the newspapers as the same pass over said corner roller, said auxiliary belts being driven solely by frictional engagement with the outer surface of the newspapers and acting to yieldingly hold the same in engagement with said corner roller.

2,140,596
METHOD AND ARRANGEMENT FOR SYNCHRONIZING OF PRINTING TELEGRAPHS
Horst Rassow, Berlin-Friedenau, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application December 7, 1934, Serial No. 756,396
In Germany December 11, 1933
2 Claims. (Cl. 178—69.5)



2. In a facsimile receiver, a single-line rotary printing member effecting printing of a single scanning line at each revolution, a start-stop element on said rotary printing member, a signal-responsive printing member, a further start-stop element on said signal-responsive printing element, said start-stop member and said further start-stop element engageable together at each revolution of said rotary printing member in response to a received synchronizing signal to stop said rotary printing member after effecting printing of each scanning line for synchronizing.

2,140,597
BRAKING MECHANISM
Noel S. Reynolds, St. Louis, Mo., assignor to Joseph J. Hagen, St. Louis, Mo.
Application March 17, 1937, Serial No. 131,394
Renewed May 31, 1938
13 Claims. (Cl. 188—79.5)



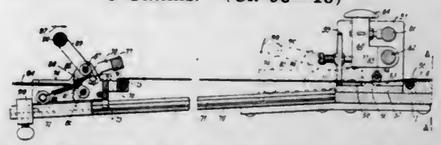
1. In braking mechanism, a support, a brake drum, a pair of shoes positioned in end-to-end relation in the drum, means for expanding one pair of adjacent ends of the shoes, a stationary guide carried by the support between the other pair of adjacent ends, shiftable plungers in the opposite ends of the guide and engaging the ends of the respective shoes, said plungers having inclined surfaces on their inner ends, a wedge engaging the inclined surfaces of the plungers, a member engaging the sides of the plungers opposite the inclined surfaces, and means for moving said wedge and member relatively toward or away from each other, said wedge, member and moving means being movable as a unit with the plungers.

2,140,598
ELBOW PAD
Virginia W. Rhorer, Des Moines, Iowa
Application September 10, 1937, Serial No. 163,174
1 Claim. (Cl. 2—16)



As an article of manufacture, an elbow skin softening pad of the type adapted to be placed lengthwise of the arm, and characterized by means holding one end over the forearm and the other around the upper arm; comprising an elongated pad, an inner lining for said pad, said inner lining being relatively soft and impervious to moisture, and relatively thin elastic bands attached to the ends, with one adapted to extend around the forearm and the other around the upper arm, said bands adapted to hold said device in place without binding the arm or elbow.

2,140,599
ENVELOPE FORMING MACHINE
Leroy L. Salfisberg, South Orange, N. J., assignor to Wrap-Ade Machine Company, Newark, N. J., a corporation of Delaware
Application September 20, 1937, Serial No. 164,690
3 Claims. (Cl. 93—18)

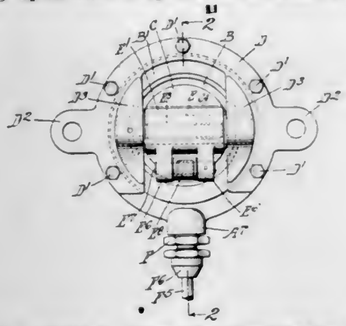


3. A machine for supplying prepared wrappings comprising, means for supplying different width webs of packaging material, a forming device positioned transversely of said webs, means for guiding said webs in a superimposed condition to and from said forming device with the edges of the wider web folded around the edges of the narrower web, means for applying a line of adhesive to the edges of said wider web before being folded, means for severing selected lengths of the composite web structure, a pull-out device having jaws for gripping a severed end of said composite web structure to move the same a selected distance and having means for heat sealing said gripped ends of said composite structure to form a transverse seal therein.

2,140,600
INJECTOR
Philip Lane Scott, San Mateo, Calif., assignor to Super Diesel Tractor Corporation, La Porte, Ind., a corporation of New York
Application October 20, 1930, Serial No. 489,751
1 Claim. (Cl. 103—150)

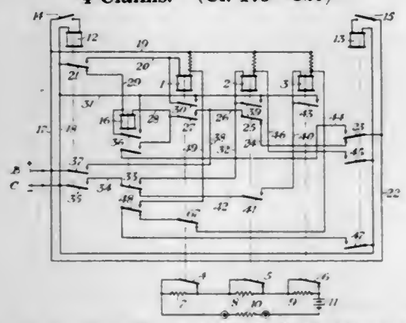
In combination in an injector, a housing defin-

ing a portion of a pressure chamber, and a laminated flexible diaphragm, attached to said housing with a sealing contact and defining a portion of a pressure chamber, an inlet valve communicating with said chamber and a member defining an atomizing orifice, said member in communication with said chamber and forming its sole outlet, a check valve controlling said atomizing orifice, a compression plate permanently secured to said diaphragm and means for acting upon said diaphragm through said com-



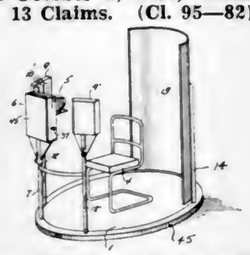
pression plate to move the diaphragm to create pressure within the pressure chamber, said means including a rotatably mounted member and a toggle, between said compression plate and said rotatably mounted member, means for moving the rotatably mounted member to force the toggle against the compression plate, whereby the compression plate and diaphragm are moved to alter the volume of the pressure chamber, the diaphragm being capable of itself of returning to its original position when free to do so.

2,140,601
SUCCESSIVE ELECTRICAL CONTROL OF A SERIES OF DEVICES
Jean Serriére, Chelles, France, assignor, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application February 18, 1935, Serial No. 7,109
In France February 21, 1934
4 Claims. (Cl. 175—320)



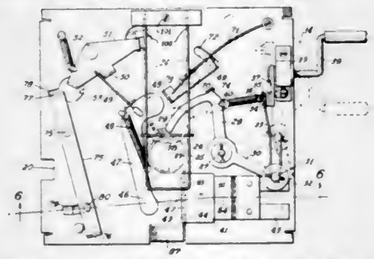
1. In combination, a series of stepping relays, a forward control contact and a reverse control contact, a control relay for each contact, a slow-acting relay, means controlled by said slow-acting relay and rendered effective when one control contact or the other is closed for energizing the corresponding control relay repeatedly at time-spaced intervals, means responsive to the repeated energization of one control relay when either one or more than one of said stepping relays are deenergized for energizing said stepping relays one at a time in sequence, and means responsive to the repeated energization of the other control relay when either all or less than all of said stepping relays are energized for releasing said stepping relays one at a time in sequence.

2,140,602
MULTIPLE POSE PHOTOGRAPHIC APPARATUS
Luther G. Simjian, Riverside, Conn.
Application October 2, 1937, Serial No. 166,949
13 Claims. (Cl. 95—82)



1. In a multiple pose photographic apparatus adapted to produce multiple pose complete photographs of a still subject, a central posing area arranged to receive the subject, a camera movable in intermittent arcuate steps about said area for taking photographs of the subject at the end of each said steps, whereby the subject is photographed at various angles, and means for maintaining uniform conditions under which said photographs are taken.

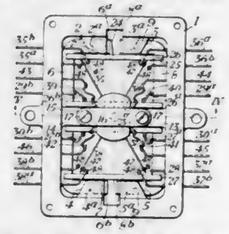
2,140,603
COIN COUNTING MACHINE
Percy C. Smith, Chicago, Ill.
Application May 16, 1936, Serial No. 80,081
10 Claims. (Cl. 133—8)



1. In a device of the class described, a movable counting member, and adjustable gauge means cooperable therewith and comprising a stationary gauge member positioned at a particular distance opposite said counting member, a movable gauge member arranged for movement into and out of position between said counting member and said stationary gauge member, and means for effecting movement of the movable gauge member as aforesaid.

9. Coin counting mechanism including a coin receptacle, ejector mechanism for moving coins from said receptacle one at a time along a determined path, and automatic counting means including a ratchet disc, mechanism for rotating said disc including an energy storing device and means for moving said disc from an initial position to energize said storing device, escapement mechanism cooperable with said disc and arranged when operated to effect step by step movement of the disc by said storing device, a counting arm for operating said escapement mechanism and positioned for engagement by ejected coins moving along said definite path, an adjustable control including a member movable into and out of position for engagement by means on said ratchet disc to limit the movement of the latter away from said initial position when the same is moved responsive to energization of said storing device, together with adjustable gauge means including a stationary gauge plate positioned substantially opposite said counting arm for engagement by ejected coins of a determined diameter to cause the latter in their ejecting movement there-past to operate said counting arm, a movable gauge member having means normally positioning the same between said stationary gauge member and said counting member for engagement by ejected coins of less than said certain diameter for the purpose of causing such coins to actuate said counting arm in the manner aforesaid, and mechanism operable by said adjustable control for moving said movable gauge plate out of effective position between said stationary gauge member and said counting arm.

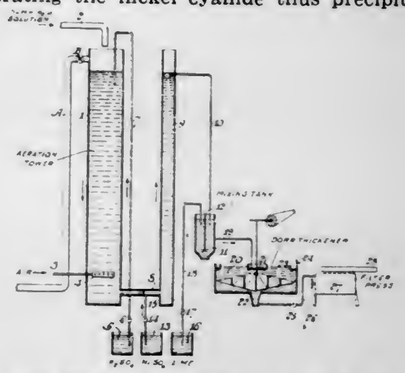
2,140,604
ELECTRICAL RELAY
Clarence S. Snavely, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application April 28, 1937, Serial No. 139,535
7 Claims. (Cl. 200—93)



1. A relay comprising a frame of moulded insulating material, two U-shaped magnetizable yokes secured to said frame with their legs in spaced confronting relation, a pair of pivot supports secured to said frame and provided with aligned pivots, an insulating member pivotally mounted on said pivots, an armature carried by said insulating member and having its ends disposed between the confronting ends of said yokes for movement between normal and reverse positions, a permanent magnet connected with said yokes for polarizing said relay, a winding surrounding said armature, contact fingers carried by said insulating member, fixed contact members moulded into said frame and cooperating with said contact fingers, and front and back cover plates secured to the front and rear sides respectively of said frame and forming with said frame a case which encloses all of the operating parts of said relay.

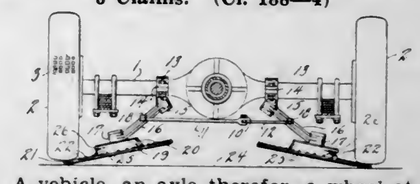
2,140,605
RECOVERY OF HYDROCYANIC ACID
Frederick W. Sperr, Jr., Vineland, N. J., assignor to Röhm & Haas Company, Philadelphia, Pa.
Application June 25, 1937, Serial No. 150,236
8 Claims. (Cl. 23—151)

1. The process of recovering hydrocyanic acid from gases containing it which comprises scrubbing the gases with water to form a dilute aqueous solution of the hydrocyanic acid, treating it with a soluble nickel salt to precipitate nickel cyanide from an approximately neutral solution, separating the nickel cyanide thus precipitated



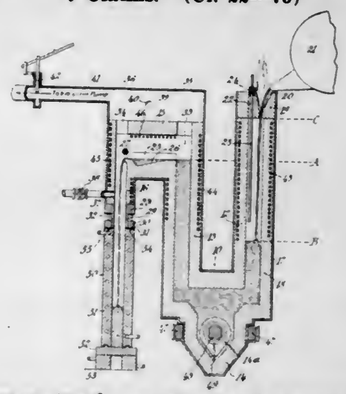
from the water, and treating it with an acid which will regenerate the hydrocyanic acid.

2,140,606
TRACTION CONTROL
Howard E. Stickles, Toledo, Ohio
Application February 2, 1938, Serial No. 188,227
3 Claims. (Cl. 188—4)



1. A vehicle, an axle therefor, a wheel at the axle, there being a tread for the wheel, a bracket fixed with the axle, an arm swingable from the bracket having a fulcrum inclined toward the wheel, a disk rotatable on the free end of said arm, and control means for shifting the disk as to said fulcrum as an axis into cooperating position with said tread between the tread and highway.

2,140,607
METHOD OF AND APPARATUS FOR CASTING DEOXIDIZED COPPER
William K. Thompson, Woodbridge, N. J., assignor to The American Metal Company, Limited, New York, N. Y., a corporation of New York
Application October 19, 1935, Serial No. 45,692
7 Claims. (Cl. 22—73)



5. Apparatus for vacuum casting metals, comprising a chamber for receiving molten metal, a

rotatable casting frame carrying a plurality of molds, a ring cover for the casting frame providing an enclosing chamber for, and open to, all the molds, a vacuum chamber in open communication with both the molten metal chamber and the enclosing chamber for the molds, and means for providing an hermetic seal between the rotatable casting frame and its ring cover while permitting relative movement therebetween, said ring cover having a removable portion to permit access to the molds, and the molds each having a removable extension or top, which, when removed, facilitates removal of the casting from the mold through the top thereof and through the opening provided by the removable portion of the cover.

2,140,608

ORGANIC SULPHOXIDES AND SULPHONES AND PROCESS OF PREPARING THEM

Hanns Ufer, Ludwigshafen-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application June 11, 1935, Serial No. 26,091. In Germany June 15, 1934
10 Claims. (Cl. 260—577)

1. A process of producing organic sulphur compounds which comprises reacting a compound of the general formula R—X—R_1 in which X stands for a group selected from the class consisting of —SO— and —SO_2—, R for an alkenyl group containing up to 3 carbon atoms and R_1 for a radicle of the group consisting of aliphatic and cycloaliphatic radicles containing at least 6 carbon atoms, aliphatic aromatic and aromatic radicles of the benzene and naphthalene series, with a compound selected from the group consisting of primary and secondary mono-amines and secondary heterocyclic bases.

2,140,609

PRODUCTION OF SULPHONE-ETHYLAMINES

Hanns Ufer, Ludwigshafen-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application January 24, 1936, Serial No. 60,633. In Germany January 31, 1935
7 Claims. (Cl. 260—576)

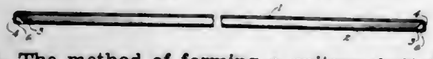
1. The process for producing sulphone-ethylamines, which comprises causing acetylene to act at a temperature between about 50° and about 250° C. on a mixture of a sulphinic acid selected from the group consisting of alkyl sulphinic acids and sulphinic acids of the benzene series and an amine selected from the group consisting of primary and secondary amines which are free from oxygen and acyl groups.

2,140,610

METHOD OF MAKING A SHELF STRUCTURE FOR REFRIGERATORS

John R. Willard, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

Application November 7, 1935, Serial No. 48,681
4 Claims. (Cl. 29—160)



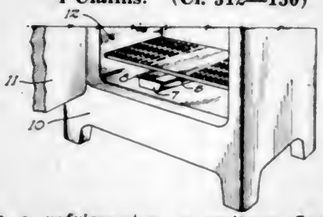
1. The method of forming a unitary shelf for a refrigerator or the like which comprises rolling a flat surfaced sheet to produce on the under side thereof integral longitudinal ribs, and flanging said sheet by cutting said ribs back on an incline a distance from the ends of the sheet substantially equal to the depth of the flange and turning down the edges by press forming.

2,140,611

SHELF STRUCTURE FOR REFRIGERATORS

Charles N. Smith, University City, Mo., and John R. Willard, New Kensington, Pa., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

Application November 18, 1935, Serial No. 50,282
4 Claims. (Cl. 312—150)



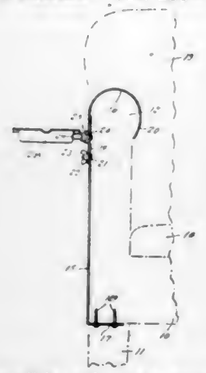
1. In a refrigerator, a unitary flanged shelf having integral longitudinal reinforcing ribs, a perforate area and an imperforate area, guides below said imperforate area, and a hydrator pan slidably supported on said guides and covered by said imperforate area the entire portion of the refrigerator shelf above the hydrator pan being imperforate and smooth on its top surface.

2,140,612

SUPPORT FOR ASHTRAYS

Antoinette W. Zeman, Cleveland, Ohio

Application September 3, 1937, Serial No. 162,323
4 Claims. (Cl. 155—188)



1. An extensible ash tray support comprising upper and lower overlapping elements, the lower element having means whereby its lower portion may be fixedly secured to a bottom member of a piece of furniture and the upper element having its upper end curved to enable it to embrace an upper upholstered member of said piece of furniture, means for securing the overlapping elements in any adjusted position, means adjustable lengthwise of said support for rotatably mounting an ash tray on said support intermediate the lower portion and the curved upper portion thereof, and yieldable means for resisting the rotation of said ash tray.

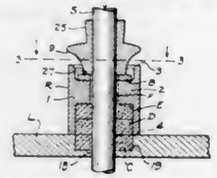
2,140,613

OILING DEVICE FOR DEAD SPINDLES

George M. Arragg, Lawrence, Mass.

Application November 22, 1937, Serial No. 175,753
3 Claims. (Cl. 308—169)

1. A tubular oil reservoir for dead spindle spinning frames comprising a tubular reservoir having near the top a plurality of inwardly projecting bearing washer supporting lugs, each lug having a curved bearing face at the top; an absorbent washer in the reservoir under the lugs; a plurality



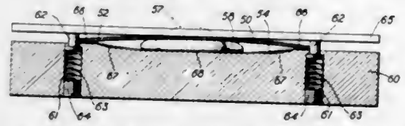
of absorbent washer sections between and extending above the bearing washer supporting lugs; and a bearing washer which rests on the lugs and engages the washer sections.

2,140,614

METHOD OF MAKING SHOE STIFFENERS

William Harold Bancroft, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application November 23, 1936, Serial No. 112,280
In Great Britain December 16, 1935
2 Claims. (Cl. 154—2)



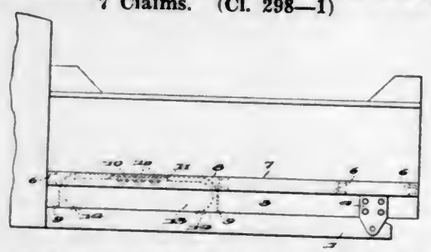
1. The method of making a laminated shoe stiffener which comprises assembling in superposed relation a plurality of layers of the desired shape, one of which at least is pervious to an impregnating stiffening substance, with a measured mass of viscous substance between two of the layers, said mass being of a content to impregnate the stiffener in the desired manner, and subsequently exerting pressure simultaneously upon both faces of the assembled stiffener throughout the whole area of said faces in such manner as to force the stiffening substance through the pervious layer and to spread it in contact with all the layers.

2,140,615

TIRE CARRIER AND BODY CONSTRUCTION

Fred Biszantz, Galion, Ohio, assignor to The Galion Metallic Vault Company, Galion, Ohio, a corporation of Ohio

Application October 22, 1937, Serial No. 170,437
7 Claims. (Cl. 298—1)



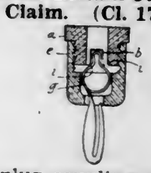
1. In a dump truck, a frame, a body swingable on said frame, separable complementary members carried by said frame and said body and engageable in the lowered position of said body to form an enclosure for a spare tire, and means associated with said enclosure for holding a spare tire therein.

2,140,616

ELECTRIC PLUG

Edwin William Bonson, London, England

Application July 3, 1936, Serial No. 88,807
In Great Britain July 12, 1935
1 Claim. (Cl. 173—363)



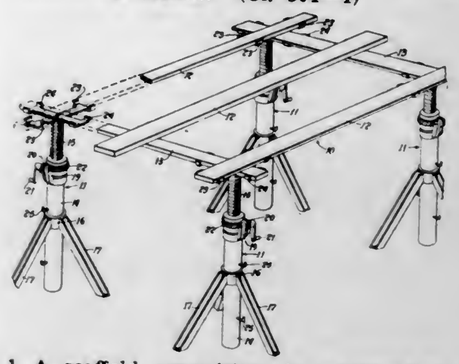
An electric plug coupling comprising an insulated body consisting of a male and female interengaging screw threaded part, a vertical axial perforation in each of said parts, two oppositely disposed lateral recesses adjacent one end of the axial perforation in the male part, said recesses being closed at their inner ends, an enlarged bore in the female part in axial alignment with the axial perforation thereof, a metal plug protruding through the latter perforation, said metal plug having a widened centre part located in the enlarged bore aforesaid and terminating in a head held in the lateral recesses of the male part to prevent rotation thereof when the female part is screwed home.

2,140,617

ADJUSTABLE SCAFFOLD

Harry Castady, Chicago, Ill.

Application June 15, 1937, Serial No. 148,300
8 Claims. (Cl. 304—4)



1. A scaffold comprising, in combination, a platform consisting of a plurality of planks, and a plurality of devices for lifting and supporting the said platform, each of said devices including a vertically adjustable member, each of said adjustable members having a pair of cross arms thereon for supporting end portions of said planks, one of the said cross arms on each of said members being arranged above the other one of said cross arms so that each pair of the said cross arms will support, in superimposed relationship, the rightangularly intersecting end portions of platform or scaffold planks carried thereby and each of said devices including means for raising and lowering the corresponding one of said adjustable members and the said cross arms thereon.

2,140,618

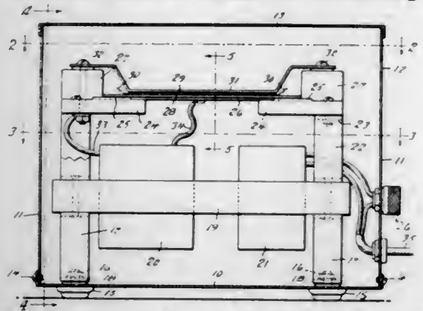
AIR CONDITIONING DEVICE

Arthur W. Conley, Shaker Heights, Ohio, assignor to The Corozone Air Conditioning Corporation, Cleveland, Ohio

Application March 16, 1936, Serial No. 70,551
5 Claims. (Cl. 204—32)

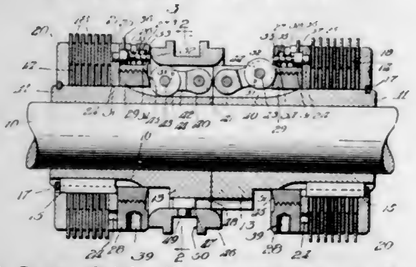
1. In a device of the class described, in com-

bination, an elongated transformer core carrying suitable transformer windings, spaced brackets mounted on said core and projecting beyond said windings, insulating plates carried by said brackets, a metallic plate electrode, a dielectric plate, and a reticulated electrode plate mounted on the upper surfaces of said insulating plates in the order named, means for connecting the



terminals of one of said windings to said electrode plates and means for supplying current to the other of said windings, said insulating plates embodying spaced bosses between which said electrodes are positioned and a strip connected at its ends to said bosses and having a central depressed portion engaging said reticulated electrode plate.

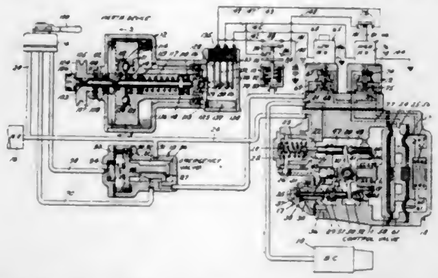
2,140,619
CLUTCH
Henry J. Dunkelow, Racine, Wis., assignor to Twin Disc Clutch Company, Racine, Wis., a corporation of Wisconsin
Application February 4, 1937, Serial No. 123,947
6 Claims. (Cl. 192—69)



1. In a clutch, the combination of friction members attachable to separate rotary parts and adapted for driving engagement with each other, a backing plate and a clamping plate for effecting the engagement of the members, the backing plate acting as an abutment against which the friction members are clamped, an adjusting ring for contacting the clamping plate, a floating ring acting as a carrier for the adjusting ring, arms swingable inwardly for engagement with the floating ring to clamp the members in driving position, a shiftable collar for actuating the arms, and separate means for limiting the outward movement of the arms under the impulse of centrifugal force when in released position.

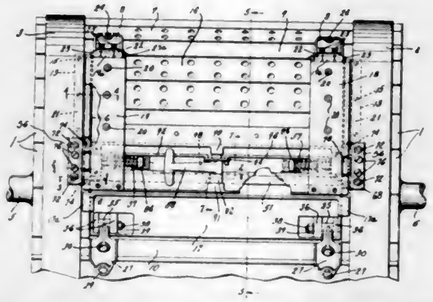
2,140,620
HIGH SPEED BRAKE EQUIPMENT
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application April 20, 1937, Serial No. 137,956
35 Claims. (Cl. 303—21)

1. In a vehicle brake system, in combination, means for effecting an application of the brakes, inertia operated means responsive to an incipient stage of wheel slipping for quickly effecting a release of the brakes on the slipping wheels at a rate sufficient to arrest the wheel slipping condition and thus permit the slipping wheels to increase in speed toward that corresponding to ve-



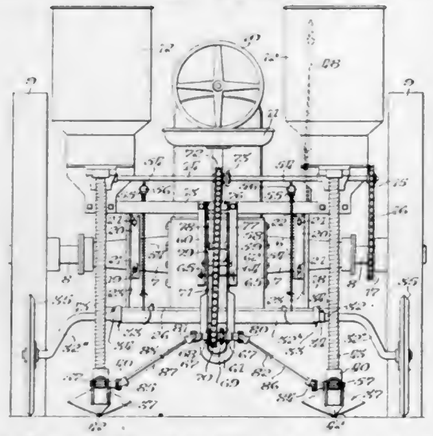
hicle speed, and operable as said wheels increase in speed to effect a reapplication of the brakes on said wheels, and means for limiting the degree of the reapplication to a value bearing a substantially fixed ratio to the degree which produced the wheel slipping condition.

2,140,621
CYLINDER DOOR CONSTRUCTION
Frank A. Gerlach, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application September 7, 1935, Serial No. 39,544
2 Claims. (Cl. 220—32)



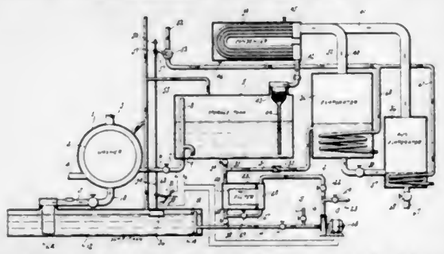
1. In combination, a washing machine drum having an opening in its peripheral wall and a bevelled edge member associated with said wall, a secondary door pivotally attached to the drum wall adjacent one edge of said opening on an axis parallel to the longitudinal axis of said drum, said door having an exposed bevelled surface along the full length of its free edge portion and side extensions which rest upon the adjacent walls of the cylinder when the door is closed, a main door pivotally attached to the cylinder wall adjacent the opposite edge of said opening and having the full length of its free edge provided with a bevelled surface mating that of the secondary door when both doors are in closed position, a resilient strip arranged between the bevelled edges of said doors, and latching means associated with the main door having a bevelled edge portion engageable with the bevelled edge of said member for simultaneously securing the doors in closed position and for forcing the bevelled edge of the main door inwardly toward the bevelled edge of the secondary door against the resilient action of said strip.

2,140,622
DRIVE MECHANISM FOR TRACTOR MOUNTED PLANTERS
William S. Graham, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application August 6, 1936, Serial No. 94,593
6 Claims. (Cl. 111—59)



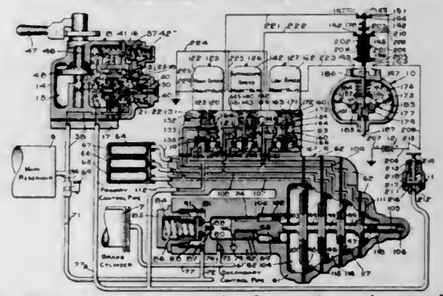
6. The combination with a wheeled frame of an implement attachment mounted on said frame having laterally spaced ground engaging members mounted for vertical adjustment, valve means adapted to be driven mounted on each of said ground engaging members, downwardly extending driving means for driving said valve means, laterally extending driving means for each ground member driven by said downwardly extending driving means at its lower end, and each of said laterally extending driving means connected to its corresponding valve means for driving said valve means of the respective ground members.

2,140,623
APPARATUS FOR RECLAIMING SOLVENT
Russell A. Hetzer, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Original application June 18, 1930, Serial No. 462,061. Divided and this application April 3, 1935, Serial No. 14,456
3 Claims. (Cl. 68—18)



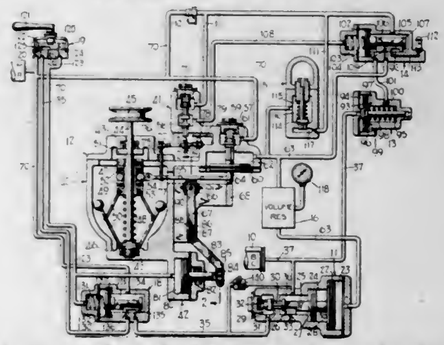
1. An apparatus for reclaiming used solvent, comprising a sump tank to which the used solvent is intermittently supplied, an evaporator, said sump tank and evaporator forming a closed circuit with a condenser and treating vessel, means for conducting solvent from said sump tank to said evaporator, means for forcing solvent through said conducting means from said sump tank to said evaporator, means for supplying heat to said evaporator, means responsive to the fall of liquid in said sump tank to a predetermined level for increasing the supply of heat to said evaporator, and means responsive to the rise of liquid in said sump tank to a predetermined level for decreasing the supply of heat to said evaporator, whereby the supply of heat to said evaporator is accommodated to the supply of solvent thereto.

2,140,624
SPEED CONTROLLED BRAKE
Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application June 30, 1936, Serial No. 88,098
42 Claims. (Cl. 303—21)



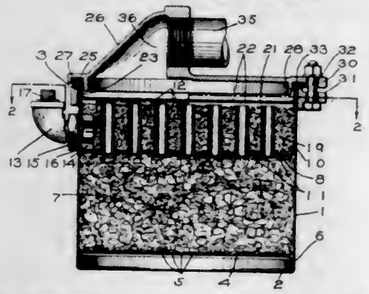
1. In a fluid pressure brake system, in combination, means providing a plurality of chambers, means operative to effect charging of all of said chambers with fluid under pressure upon initiating an application of the brakes, speed-controlled means for varying the pressure in said chambers successively, and brake control means operative according to the variation of pressure in said chambers for controlling the degree of application of the brakes.

2,140,625
SPEED CONTROLLED BRAKE
Raymond E. Miller, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application August 1, 1936, Serial No. 93,864
18 Claims. (Cl. 303—21)



1. In a vehicle brake system, in combination, a brake cylinder, a volume reservoir adapted to be normally charged with fluid under pressure, means for limiting brake cylinder pressure according to the pressure of fluid in said volume reservoir, means establishing a restricted communication between said volume reservoir and the atmosphere through which fluid under pressure may escape from said volume reservoir to the atmosphere, and means controlled by brake cylinder pressure for controlling said communication.

2,140,626
ANTIFREEZE AIR STRAINER
Ellis E. Hewitt, Edgewood, Pa., assignor to Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application December 18, 1936, Serial No. 116,493
2 Claims. (Cl. 183—19)

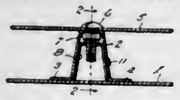


1. A device for conditioning air to be compressed for use in an air pressure system, comprising in combination, a casing having an outlet opening and a downwardly facing inlet opening, air filtering material contained in said casing adjacent said inlet opening, a receptacle containing a volatile anti-freeze medium and fitted within said casing above the filtering material and adapted to hold said filtering material in place, said receptacle having a plurality of closely spaced tubular conduits projecting upwardly from the bottom thereof, and means including a mixing chamber for creating turbulence in the air passing through said conduits and interposed between said receptacle and said outlet opening, whereby air flowing through said casing is adapted first to flow through said filtering material and then into contact with said anti-freeze medium.

2,140,627
ENGINE FUEL
John Warner Hocking, Lincoln Park, Mich.
No Drawing. Application May 15, 1936, Serial No. 79,961
8 Claims. (Cl. 44—9)

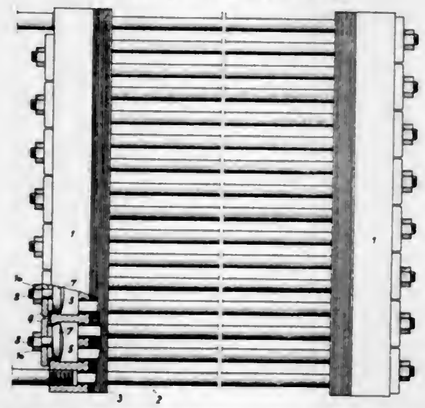
2. Anti-knock gasoline comprised of relatively low octane value gasoline, iron pentacarbonyl, and a peptizing agent comprised of a mixture of fatty acid derived from a fat and a substance selected from the group which consists of ammonium oleate, ammonium stearate, diglycol laurate and triethanolamine oleate.

2,140,628
NUT OR BOLT HOLDER
John G. Hoff, Mansfield, Ohio, assignor to The Tappan Stove Company, Mansfield, Ohio, a corporation of Ohio
Application May 15, 1937, Serial No. 142,860
2 Claims. (Cl. 189—36)



1. A mechanical structure consisting of a part having a finished face and an unfinished face, a second part secured in spaced relation to said first part, means detachably securing said parts together comprising a substantially U-shaped clip welded to the unfinished face of said first part and invisible from the front thereof, a substantially U-shaped carrier slidably and detachably secured in said U-shaped clip and having a portion shaped to loosely and non-rotatably support one half of said securing means, the other half of said securing means extending through said clip and said second part, the opposite walls of said carrier having face to face engagement with the adjacent walls of said clip and being resilient and readily bendable and providing means for frictionally securing said carrier within said clip.

2,140,629
HEAT-INTERCHANGE MEANS
Charles Adolphe Hubert, Strasbourg, France
Application May 12, 1937, Serial No. 142,209
In France May 20, 1936
3 Claims. (Cl. 257—248)



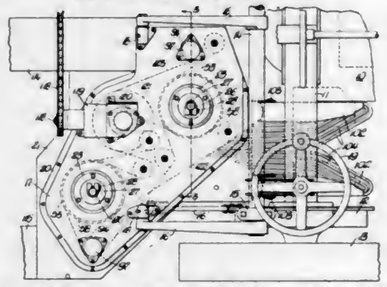
1. In a heat-interchange means for fluids of any nature, comprising two front structures, a set of intercommunicating parallel tubes extending between said structures, plate-like radiator elements on the tubes kept spaced apart the one from the other by distance pieces, said distance pieces being flat iron bars traversed by the tubes and extending over the radiator elements in such a way as to form flow passages of substantially constant transverse section throughout their length.

2,140,630
HELMET
Gustav Illguth, Langwaltersdorf, Germany
Application July 7, 1936, Serial No. 89,354
In Germany August 8, 1935
3 Claims. (Cl. 2—6)



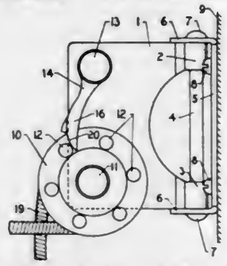
1. A helmet especially for motor vehicle drivers, comprising in combination a helmet shaped body having apertures at the ear portions, stiff wind screen walls constructed as sound reflecting surfaces hingedly connected to said helmet one in front of each of said apertures, and means for rigidly holding said walls either in open projecting position spaced away from the external ears of the wearer, each wall forming with said helmet an angle open towards the rear, or folded in closed position.

2,140,631
COTTON PICKER
Edward A. Johnston, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application April 6, 1937, Serial No. 135,303
38 Claims. (Cl. 56—43)



1. In a drum construction for cotton pickers, the combination of a rotatably mounted carrier structure having a plurality of radially extending circumferentially spaced extensions forming sockets therebetween, spindle carrying bars mounted for oscillation on the carrier structure with their end portions extending through the sockets, a bar support fitted on each bar, and means for securing each of said supports to the carrier structure for independent removal therefrom in a radial direction between the spaced extensions.

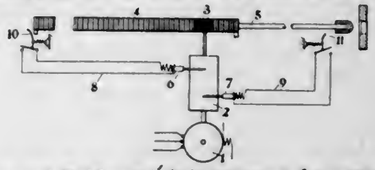
2,140,632
CLAMPING DEVICE
James L. Keller, Ferndale, Mich.
Application March 14, 1938, Serial No. 195,793
6 Claims. (Cl. 188—65.1)



1. In a clamping device of the character described, the combination which comprises a pivotally mounted arm member having a gripping tongue and a dog, a grooved pulley having means thereon adapted to engage the dog of said pivotally mounted arm member, said dog and means on the pulley cooperating so that upon rotation of the pulley with said dog and means in operative engagement the gripping tongue of the pivotally mounted arm member will be brought into gripping relation in the groove of said pulley.

2,140,633
MEANS FOR DRIVING TUBE DRAWING BENCHES
Fritz Kocks, Dusseldorf, Germany
Application March 18, 1937, Serial No. 131,710
In Germany March 17, 1936
5 Claims. (Cl. 205—4)

1. A tube drawing bench having the mandrel reciprocated by a rack with which is engaged a pinion driven by a prime mover, comprising a constant speed motor serving as the prime mover and a variable hydraulic transmission gear interposed between the motor and the rack pinion for varying the speed and direction of drive of the mandrel, the said gear comprising pumps and actuating units that are independent one of the



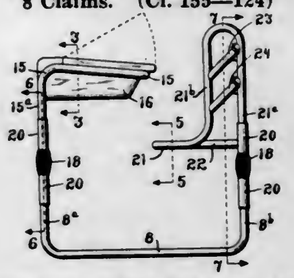
other, and fluid-containing means for completing the fluid circuit between the pumps and the actuating units, control of the operation of the pumps and actuating units being effected automatically from the reciprocating elements of the tube drawing bench.

2,140,634
METHOD OF PRODUCING PATHS, ROAD SURFACES, FLOORINGS, AND THE LIKE
Dezso Komlos, Golders Green, London, England
Application March 2, 1935, Serial No. 9,055
In Great Britain March 6, 1934
3 Claims. (Cl. 94—22)



1. The herein described method of forming road coverings, tennis courts and analogous hard durable surfaces and products, consisting in mixing intimately a granulated non-powdery hard non-water-soluble mineral and about 3 to 5% thereof of a siccative oil and a dryer as a relatively smaller proportion of the oil with substantially total absence of water, pressing such mixture in situ, and entirely covering the mixture after it has been pressed in situ with a layer of heat retaining material, heating such covering material to approximately 120° to 150° C. and maintaining it over the mixture for a period of at least forty-eight hours for the purpose of converting the pressed mixture by chemical exothermic reaction into a hard mass.

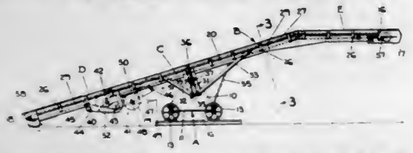
2,140,635
SCHOOL FURNITURE
Michel M. Konarski, Akron, Ohio
Application June 5, 1936, Serial No. 83,653
8 Claims. (Cl. 155—124)



1. In furniture of the character described, a tubular frame provided with longitudinally directed, spaced, base members, having upturned forward end portions forming desk supporting legs and upturned rearward end portions forming seat supporting legs; a desk frame extending upwardly and rearwardly from said desk supporting legs in the form of a loop, a seat frame extending upwardly from said seat supporting

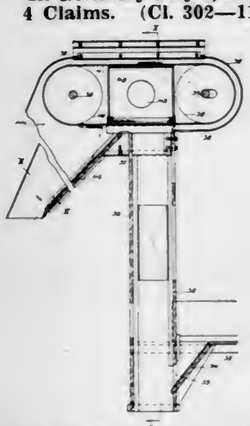
legs, then curved forwardly and downwardly with the middle portion thereof continued to form a forwardly projecting square loop, a seat secured in the last named loop and a back support secured on said seat frame.

2,140,636
PORTABLE LOADING MACHINE
Nils D. Levin, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, Columbus, Ohio, a corporation of Ohio
Original application September 16, 1931, Serial No. 563,113. Divided and this application March 21, 1936, Serial No. 70,036
1 Claim. (Cl. 198—233)



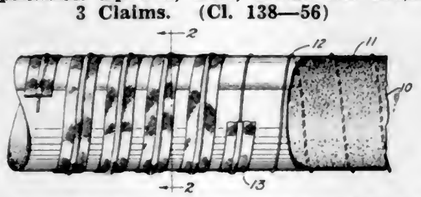
A portable loader comprising a stable truck having upstanding triangular flat side plates rigidly connected at their bottoms to forward and rearward transverse axles, a shaft at the top of said plates rigidly attached thereto and extending laterally therebeyond, an intermediate brace rigidly attached to said side plates, slide blocks journaled to the lateral extensions of said shaft, a conveyor having downwardly extending guiding and supporting members forming guideways cooperating with said slide blocks, and means cooperating with said slide blocks and guiding and supporting members to hold said conveyor in adjusted relation with respect to said truck.

2,140,637
DEVICE FOR FEEDING TOBACCO LEAVES TO CUTTING MACHINES
Valentin Lorentz, Dolzschen, near Dresden, Germany; Jakobine Lorentz née Göhring executrix of said Valentin Lorentz, deceased, assignor to Beco Maschinenfabrik G. m. b. H., Dresden, Germany
Application October 11, 1934, Serial No. 747,877 In Germany July 3, 1931
4 Claims. (Cl. 302—11)



1. A device for feeding tobacco leaves in thin layers to a tobacco cutting machine, comprising a table for receiving the leaves, a chute for feeding the leaves to the cutting station, an endless substantially horizontal travelling apron above the table ending above said chute and a suction chamber arranged above the lower stretch of said apron for drawing the tobacco leaves from the table onto said apron and terminating above the opening of the chute receiving the leaves acted upon by said suction chamber.

2,140,638
VENTILATING HOSE
Andrew D. Maclachlan, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application April 2, 1937, Serial No. 134,539
3 Claims. (Cl. 138—56)

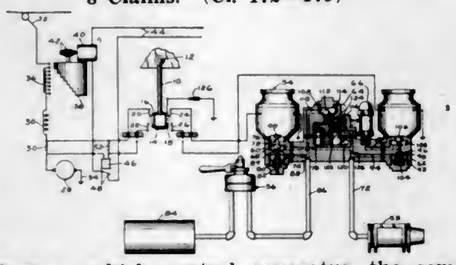


1. Ventilating hose comprising a yieldable wall having an inner layer of sound-deadening felt, a layer of stockinet upon the felt, a band of rubber-like material and metallic strip material in spaced-apart helical convolutions outwardly thereof, and a tape of rubberized fabric upon the metallic strip material in spaced-apart helical convolutions.

2,140,639
METHOD OF PREPARING CELLULOSE ACETATE
Carl J. Malm and Loring W. Blanchard, Jr., Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application February 25, 1938, Serial No. 192,647
13 Claims. (Cl. 260—101)

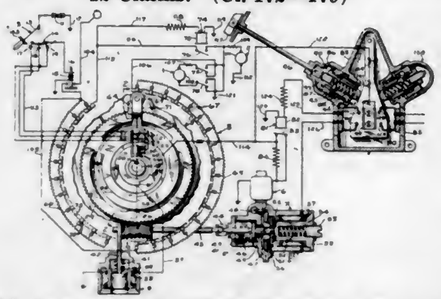
1. The process of preparing a lower fatty acid ester of cellulose which comprises presoaking the cellulose in a catalyst-free bath essentially consisting of acetic acid, subsequently treating the cellulose with a mixture of acetic acid, and only a portion of the amount of catalyst to be employed in the esterification, and inducing esterification of the cellulose by adding acetic anhydride and the remainder of the catalyst to the mass.

2,140,640
ACCELERATION AND DECELERATION CONTROLLER
Joseph C. McCune, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application February 24, 1934, Serial No. 712,732
8 Claims. (Cl. 172—179)



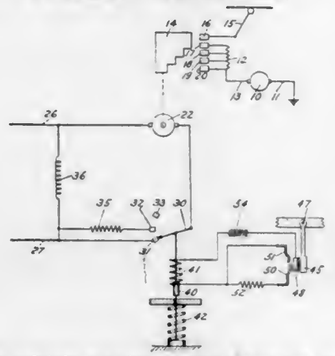
3. In a vehicle control apparatus, the combination with a driving motor, of means for controlling said motor to produce acceleration of the vehicle, a relay for controlling operation of said means, a circuit for supplying current to said relay, normally open contacts in said circuit, and an inertia operated device for closing said contacts.

2,140,641
ACCELERATION CONTROLLER
Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application March 28, 1934, Serial No. 717,758
12 Claims. (Cl. 172—179)



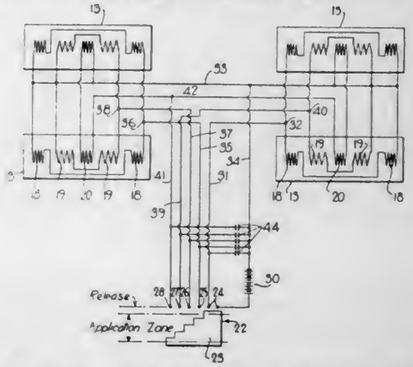
11. In a vehicle control apparatus, in combination, a driving motor, means for controlling acceleration of the driving motor, an electroresponsive device responsive to variations in the supply of current thereto for controlling said means, resistance means, a relay operable to control the inclusion and exclusion of said resistance means in circuit with said electroresponsive device to control the current supplied thereto, contacts for controlling the energization of said relay, and an inertia operated device for operating said contacts.

2,140,642
RAILWAY VEHICLE ACCELERATION CONTROL APPARATUS
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Original application January 23, 1934, Serial No. 707,918. Divided and this application March 12, 1935, Serial No. 10,627
2 Claims. (Cl. 172—179)



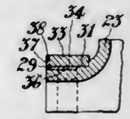
1. In a vehicle acceleration apparatus, the combination with a motor for operating an acceleration controller, a relay operable to control the speed of said motor, a control device having an inertia operated member, and means whereby one movement of said member operates said relay to effect a change in the speed of said motor and another movement of said member operates said relay to effect a different change in the speed of said motor.

2,140,643
MAGNETIC TRACK BRAKE
Joseph C. McCune, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application September 12, 1936, Serial No. 100,494
5 Claims. (Cl. 188—165)



1. In a vehicle brake system, in combination, a plurality of track brake shoe devices an equal number of which are mounted on different vehicle trucks, each of said track shoe devices comprising a plurality of energizable windings, a brake controller device operable to different application positions, and means connecting said brake controller device with the windings in said plurality of track shoe devices, so arranged that as said brake controller device is operated to successive application positions part of the windings in the track shoe devices associated with one vehicle truck are first energized and then part of the windings associated with the track shoe devices of the other vehicle truck are next energized, and so on until all shall have similarly been energized.

2,140,644
LOCKING DEVICE
Anthony L. McHugh, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application May 24, 1937, Serial No. 144,402
3 Claims. (Cl. 287—53)

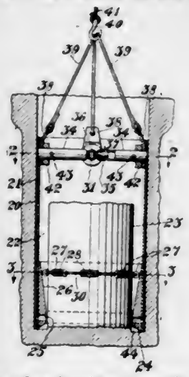


1. In combination, a pump having a pair of members in telescopic engagement with each other, one of said members having a slot comprising portions of the same depth arranged in angular relationship and the other member having a notch, and means lying in the several portions of the slot of a thickness equaling the depth of the slot interlocked with the wall thereof and having a portion extending into the notch to prevent relative axial and rotary movement between the members.

2,140,645
CORE EXTRACTING DEVICE
Frank Miller, East Orange, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application February 16, 1937, Serial No. 125,995
1 Claim. (Cl. 255—72)

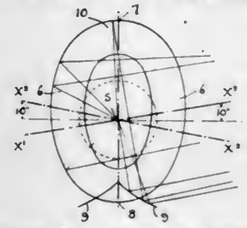
A core extracting device, comprising means

having an internal inclined surface, an endless flexible member disunited from the said means,



and a plurality of gripping members on the flexible member to seat slidably on the inclined surface for gripping a core.

2,140,646
REFLECTOR FOR STREET AND HIGHWAY LIGHTING
Percival H. Mitchell, Toronto, Ontario, Canada
Application October 4, 1935, Serial No. 43,475
3 Claims. (Cl. 240—103)



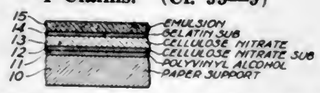
1. A reflector for street or highway lighting units comprising a dished annulus having a convergently curved transverse formation and presenting a continuously smooth circumferential curvature of ovate form, and a pair of convergent reflector surfaces extending downwardly adjacent the smaller end of the ovate formation and reflecting light rays directly from the light source and rays reflected from the opposite larger end of the ovate reflector in a direction substantially parallel with the rays reflected by the side walls of the reflector.

2,140,647
UMBRELLA TO BE WORN ON HEAD
Lloyd D. Myers, Minneapolis, Minn.
Application May 27, 1937, Serial No. 145,076
6 Claims. (Cl. 2—177)



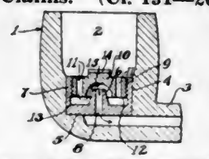
1. A rain and sun shield adapted to be worn on the head having in combination, an annular member of small diameter, a plurality of ribs having their ends secured in circumferentially spaced relation to said member and extending radially therefrom, said ribs being foldable intermediate their ends, a covering secured to the upper side of said ribs, foldable means connecting said ribs and adapted to be moved into rectilinear form to hold said ribs in diverging relation with said cover extended, means secured to the underside of said ribs for engaging the head of the wearer to support said device, and means secured to said ribs and extending under the chin of the wearer for holding said device in place.

2,140,648
PHOTOGRAPHIC STRIPPING FILM
Gale F. Nadeau, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Original application May 16, 1936, Serial No. 80,127. Divided and this application February 3, 1938, Serial No. 188,543
4 Claims. (Cl. 95—9)



3. A photographic stripping film comprising a paper temporary support, a water-permeable cellulose ester permanent support carrying a light-sensitive emulsion layer, and between said temporary support, and said cellulose ester permanent support a layer of a water-soluble synthetic resin, the said layers adhering firmly in the dry state.

2,140,649
TOBACCO PIPE
Joseph Pedery, New York, N. Y.
Application February 9, 1934, Serial No. 710,455
2 Claims. (Cl. 131—205)

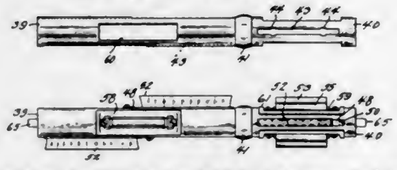


1. In a tobacco pipe, the combination with a bowl and stem, of a fitting wedged in said bowl having a floor, a central projection extending upwardly from said floor having an opening leading to said stem, an annular wall of said fitting surrounding said projection, said wall being tapped and a tablet of absorbent material adapted to thread into said tapped wall and having a chamber thereunder surrounding said projection, whereby the smoke will be directed downwardly through said tablet, upwardly into said chamber, and downwardly through said opening into said stem.

2,140,650
METHOD OF MAKING ARTICLES OF CERAMIC BONDED GRANULAR MATERIAL
Charles H. Quick, Worcester, and Milton F. Beecher, Holden, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Application January 29, 1934, Serial No. 708,806
5 Claims. (Cl. 51—278)

1. The method of making an article of ceramic bonded granular material which comprises, in addition to selecting the required size and kind of grains and the type of ceramic bond to be used, the steps of measuring out accurately those quantities of the grains and the raw bond, taking into account the shrinkages involved in firing the mass, which will respectively occupy predetermined volumes in the final fired product, mixing the raw bond and grains with that amount of water which will provide the required viscosity to hold the grains in suspension in the water and bond but insufficient to form a castable fluid mass and dispersing and stabilizing gas therein in an amount required to make a castable fluid mass of that weight per unit of volume of the wet mass which will give the required density of the fired article, the final pore volume being determined by the volume occupied by the gas and water in the wet mass, thereafter pouring the mass into a mold and casting an article therefrom, drying the article and firing it to mature the bond.

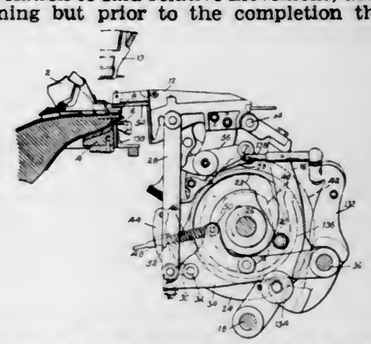
2,140,651
VACUUM CLEANER
Frederick Riebel, Jr., and Dewey M. Dow, Toledo, Ohio, assignors to Air-Way Electric Appliance Corporation, Toledo, Ohio, a corporation of Delaware
Application October 26, 1935, Serial No. 46,896
1 Claim. (Cl. 15—183)



A rotary agitator adapted to be mounted in the nozzle of a vacuum cleaner, said agitator comprising a thin walled tubular spindle and an agitating element detachably carried thereby, said spindle being provided with a slot extending longitudinally thereof and having notches at its opposite sides, said agitating element including a back member of less length than said slot and having a width such that it will fit snugly between the sides of said slot, lugs on said back member in position to enter said notches when said back member is inserted inwardly into said slot, means to limit the inward movement of said back member in said slot, the upper ends of said lugs cooperating with said last mentioned means to radially position said back by being received under the walls adjacent the slot of said spindle upon longitudinal displacement of the back so that one end of said back member is in engagement with the adjacent end of said slot and an engagement member detachably secured to said spindle at the other end of said slot and extending into that portion of the slot which is exposed by said longitudinal displacement.

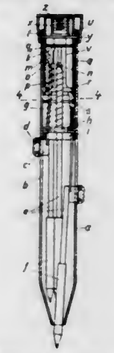
2,140,652
LASTING MACHINE
William Thomas Buckingham Roberts, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application February 4, 1938, Serial No. 188,637
In Great Britain March 30, 1937
8 Claims. (Cl. 12—14)

1. In a lasting machine, the combination with wipers for embracing an upper about the toe end of a last, of means for effecting relative movement of said wipers and the last to cause the wipers to wipe the upper heightwise of the last, and mechanism for effecting automatically in time relation to said relative movement, after the beginning but prior to the completion thereof,



a different relative movement of the wipers and the last to increase the clearance between the edges of the wipers and the edge of an insole on the last and thus guard against displacement of the edge of the insole by contact of the upper therewith.

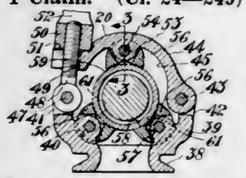
2,140,653
MULTIPLE LEAD PENCIL
Robert Röhm, Pforzheim-Brotzingen, and Leonhard Neidlein, Pforzheim, Germany, assignors, by mesne assignments, to Norbert Bernheimer, Karlsruhe, Baden, Germany
Application March 3, 1938, Serial No. 193,632
In Germany March 18, 1937
9 Claims. (Cl. 120—14)



1. A multiple lead-pencil, comprising in combination an outer metal casing having a plurality of longitudinal slots distributed around its periphery, brackets projecting inwards said casing at an intermediate point of the length of this casing, a plurality of lead carriers slidable in the casing, a plurality of stems one extending from the rear end of each carrier, a plurality of elements one guided in each of said brackets and each connected to the rear end of one of said stems, catches one on the rear end of each of said elements, knobs one projecting radially from each of said stems through one of the slots in said casing for selectively advancing one of said carriers into operative position, a rest ring in said casing below said brackets and the rear end of said casing and destined to engage said catches and hold said carriers in their advanced operative position, a spring influenced detaching sleeve shiftable in the rear end of said casing to disengage said catches from said rest ring, and return springs one on each of said elements

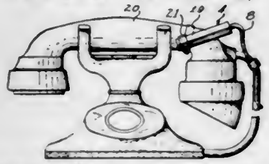
between said catches and said brackets, said springs adapted to be compressed during the movement of said pencil carriers into their operative position and to automatically return said carriers into their inoperative position on the disengagement of said catches from said rest ring.

2,140,654
CLAMPING DEVICE
Fred M. Slater, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application May 18, 1937, Serial No. 143,283
1 Claim. (Cl. 24—249)



In a clamping device, a lower jaw provided with a conical base having a central opening therethrough, lugs on either side of said opening integral with said lower jaw adapted to act as pivotal supports, an upper jaw having curved inner and outer surfaces, a pivot to secure one end of said lower jaw to one end of said upper jaw, a lug protruding from the inner surface of said upper jaw to act as a pivotal support and defining recesses on the inner surface of said jaw on either side thereof, a bolt pivotally connected to the free end of said lower jaw, a nut for the bolt, and a seat formed above a recess in the free end of the upper jaw to support the nut when the pivotal bolt is placed in said recess to clamp the jaws together.

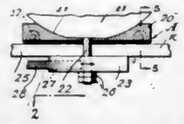
2,140,655
RADIO CONTROL DEVICE
Clarence J. Sloan, East Cleveland, Ohio
Application November 23, 1936, Serial No. 112,344
2 Claims. (Cl. 179—2)



1. In a device of the class described, the combination of a radio receiving set, a telephone instrument including a combined receiver-transmitter, and a tiltably mounted and tiltably operated electric switch arranged upon said combined receiver-transmitter for operation by movement of the same and operatively connected with the electric current supply to the radio receiving set for automatically controlling the operation of the radio receiving set according to the position of the telephone receiver.

2,140,656
BOOK END CONSTRUCTION
Manville D. Smith, New York, N. Y.
Application September 2, 1936, Serial No. 99,009
5 Claims. (Cl. 211—43)

1. A book holder construction comprising a double wedge-shaped longitudinally recessed base, a pair of movable holders, said holders each including a ball and a plate supporting said ball provided with rollers resting upon said base, means to bias said holders together, and means to guide said holders in their movement, said guiding means including a plurality of ridges extending longitudinally of said base and square

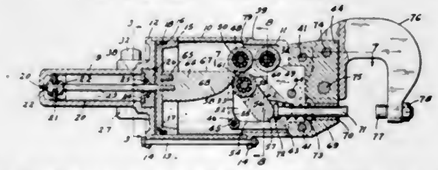


elements pivotally connected to said holders and received in said longitudinal recess, and said biasing means including two springs enclosed in the base, fixed at their outer ends to the holders and at their inner ends to the middle of the base.

2,140,657
COATING COMPOSITION AND PROCESS OF PREPARING SAME
Mortimer I. Strauss, Cleveland Heights, Ohio
No Drawing. Application January 25, 1937, Serial No. 122,221
3 Claims. (Cl. 134—26)

1. The method of preparing a comparatively smooth varnish which is flexible when dry and capable of resisting a comparatively high temperature without losing its elasticity, which comprises ageing a mixture of shellac, from which alkali insoluble material has been removed, a bodying material which improves the spreading properties of the shellac, and sufficient alcohol to form a mass of syrup-like consistency, for an extended period of time, agitating the material to produce coherent suspended particles of impurities, and then passing it through a comparatively fine mesh screen to remove the coherent particles above a predetermined size.

2,140,658
RIVETING MACHINE
Paul Van Sittert, Cleveland Heights, Ohio, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application December 5, 1936, Serial No. 114,363
17 Claims. (Cl. 74—110)

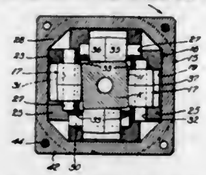


1. In a tool of the character described, a housing, a plunger longitudinally movable with respect to said housing, a linkwork having one end pivotally connected to said housing and the other end bearing on said plunger, and a longitudinally movable power driven wedge within said housing engaging said linkwork for imparting longitudinal movement to said plunger.

2,140,659
KELLY BUSHING
William A. Vock, Long Beach, Calif.
Application August 3, 1936, Serial No. 94,007
4 Claims. (Cl. 255—23)

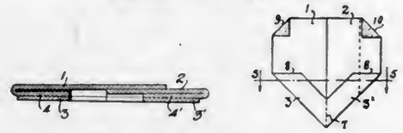
1. A bushing for use in a rotary table for engaging a polygonal drill stem extending therethrough, said bushing including, a body for arrangement in the table and having recesses opposing the side surfaces of the drill stem, the central vertical axes of the recesses being offset from

the central vertical axes of the opposing side surfaces of the drill stem, and rollers mounted in the recesses for rotation about substantially horizontal axes, each of said rollers having tapered



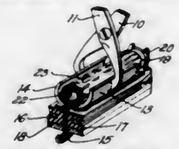
surfaces of unequal lengths joining at a plane coincident with the central vertical axis of the adjacent side surface of the drill stem for cooperating with the drill stem to transmit driving forces thereto.

2,140,660
PHOTOGRAPH MOUNTING
Nathan Warshaw, Brooklyn, N. Y.
Application November 27, 1937, Serial No. 176,819
6 Claims. (Cl. 40—158)



1. A corner pocket of the type described, consisting of a rear wall formed from two portions of fibrous material overlapping and cemented together, and a single piece front wall of fibrous material integral with the rear wall portions, the front wall being in two layers adhesively bound together.

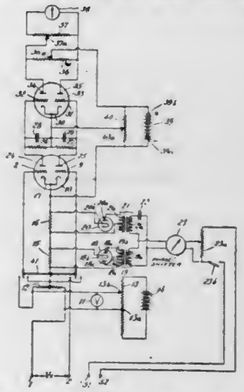
2,140,661
SACHET COMPRESSOR
Charles Albert Young, Gloucester, Mass.
Application August 23, 1938, Serial No. 226,307
4 Claims. (Cl. 132—36.2)



1. A sachet compressor which comprises, a pair of pivotally connected members, an elongated arcuate jaw on each member so arranged that the outer edges of the jaws come together when the members are squeezed together and the inner jaws are spaced apart, the inner surfaces of said jaws forming a continuous arc.

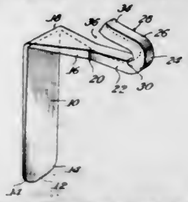
2,140,662
ELECTRICAL MEASUREMENT
Theodor Zuschlag, West Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y., a corporation of New York
Application April 14, 1937, Serial No. 136,825
21 Claims. (Cl. 175—183)

1. A method of wave-form determination which comprises impressing a signal voltage on the input terminals of a circuit, and determining the resultant current flow during different instants of a cycle of the resulting current by introducing a bias voltage in the circuit sufficient to prevent the flow of current past a point in said circuit, reducing said bias voltage for a brief interval at corresponding instants in successive cycles of the signal voltage to permit a flow of current past the point in said circuit, and de-



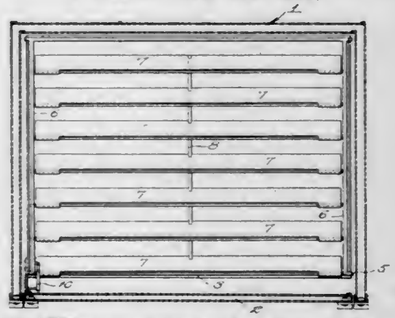
termining the current flow past the point in said circuit when said bias voltage is reduced.

2,140,663
INDOOR CLOTHESLINE FASTENER
Edward P. Bailey, Ottawa, Ill.
Application April 18, 1938, Serial No. 202,800
3 Claims. (Cl. 24—130)



1. An indoor clothesline fastener comprising a hook, a blade, and a shank connecting the hook with the blade, said blade being so shaped as to be insertable between the wall trim and the wall, said blade being of uniform width but tapering to a feather edge from its point of connection with the shank, the width of said shank tapering in the direction of the hook and increasing in thickness in the same direction, the legs of said hook being rectangular in cross section.

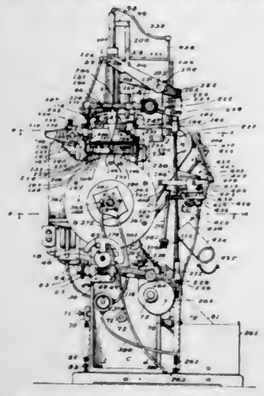
2,140,664
HUMIDIFIER
Mary E. Boustead, Minneapolis, Minn.
Application December 27, 1937, Serial No. 181,952
1 Claim. (Cl. 126—344)



A humidifier comprising a tray to contain liquid adapted to be positioned in an oven of a stove and having notched upper edges, a frame for said

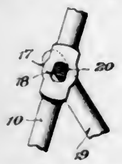
tray and including projections to seat in said notches, a plurality of shutters journaled on said frame and coacting with each other for varying the area of exposure of the liquid in the tray to the heat of the oven, connecting means between said shutters, a plate secured to said tray and having a series of openings, and a flexible finger piece secured to one of the shutters and engageable with one of said openings for securing the shutters in variable adjusted positions.

2,140,665
PAPER CUP MAKING MACHINE
Herman Carew, Easton, Pa., assignor, by mesne assignments, to Dixie-Vortex Company, Chicago, Ill., a corporation of Delaware
Application August 3, 1935, Serial No. 34,606
41 Claims. (Cl. 93—36.05)



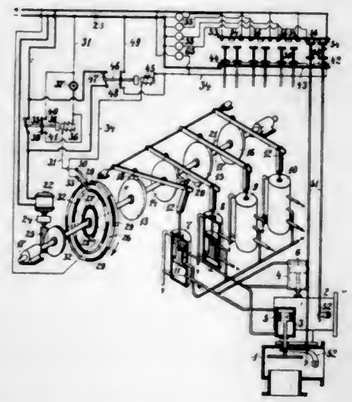
1. A machine for making paper containers such as cups, including a folding unit, means for positioning a blank relative to the folding unit, and a wedge-shaped plunger having an edge portion adapted to engage the face of the blank intermediate its ends and to force the same into and through the folding unit, said plunger in its movement folding the blank intermediate its ends and cooperating with the unit to shape the blank into a container.

2,140,666
DISPLAY FRAME
Theodore Chmielewski and Nicholas A. Monfort, Brooklyn, N. Y.
Application November 13, 1937, Serial No. 174,470
2 Claims. (Cl. 40—152.1)



1. A display frame of plastic material comprising article holding means, and a supporting member, said holding means having an enlarged reinforcing portion provided with an outwardly opening socket of substantially oblong shape, said supporting member having a pin to fit said socket, said pin having diameters of different lengths and the longer diameter of the pin being shorter than the longer diameter of the socket and longer than the shorter diameter of the socket, whereby the pin and supporting member are rotatable with respect to said article holding means through part of a revolution, said pin being stopped by contact with the opposite sides of said socket when turned to swing its longer diameter towards the line of the shorter diameter of the socket.

2,140,667
APPARATUS FOR CONTROLLING POWER OPERATED VALVES
Rudolf Corsepius, Berlin-Charlottenburg, and Hans Protzen, Berlin-Lichterfelde, Germany, assignors to Bamag-Meguim Aktiengesellschaft, Berlin, Germany
Application December 9, 1936, Serial No. 115,058
In Germany December 14, 1935
6 Claims. (Cl. 137—144)

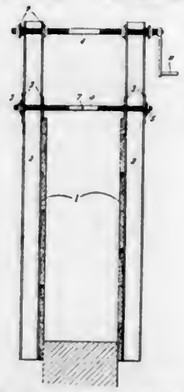


1. Control means for a plurality of pairs of shut-off elements located in a like plurality of associated supply and outlet conduits of an active carbon plant, and electromotive-, hydraulic- or pneumatic-power mechanisms operating said elements, comprising, in combination, a single electric motor, control means actuated by the motor for operating pairs in sequence of said power mechanisms, two parallel power circuits through the motor, switch means operable by the motor to bridge one and break the other alternately of said parallel circuits, a master switch in one of said circuits for energizing the motor temporarily through the switch means while it effects the closure of one pair of the shut-off elements, contacts in the other of said circuits, and means movable by each of said pair of shut-off elements to jointly bridge the contacts only when both of said pair of shut-off elements attain their closed positions to energize the motor temporarily through the switch means while it effects the opening of another pair of the shut-off elements.

2,140,668
PROCESS FOR MAKING ZINC SULPHIDE
Harlan A. Depew and William T. Maidens, Columbus, Ohio, assignors to American Zinc, Lead & Smelting Company, St. Louis, Mo., a corporation of Maine
No Drawing. Application September 19, 1934, Serial No. 744,739
8 Claims. (Cl. 23—135)

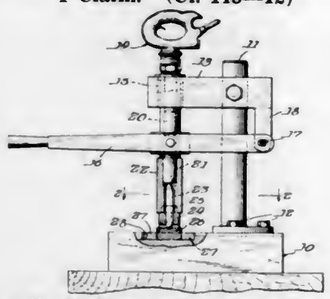
1. The process of making zinc sulphide which consists in introducing zinc vapor and an inert carrying gas and also sulphur into a reaction zone, and maintaining the zinc vapor and carrying gas at a temperature above 1060° C.

2,140,669
WALL FORM CLAMP
William de Vigier, London, England
Application November 5, 1937, Serial No. 173,049
In Great Britain November 9, 1936
1 Claim. (Cl. 25—131)



A building shutter clamp, comprising a pair of shutter-engaging arms, and two screws, each having right and left handed threads, passing loosely through the arms at different positions, nuts upon one screw, non-rotatable and enabling such screw to act as an arm-spacing tie, and nuts of yoke-like form upon the other screw, each straddling one arm with clearance sufficient to permit angular movement of the arm relative to the screw, said straddling nut, at one time, engaging and forcing the arms apart and, at another time, reversely engaging and drawing the arms toward one another.

2,140,670
METHOD OF PRODUCING STEEL STAMPS
Larry D. Donbeck, Gary, Ind.
Application February 14, 1936, Serial No. 63,953
1 Claim. (Cl. 148—12)



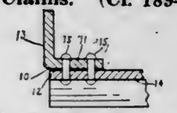
The method of producing a steel stamp from a blank of high carbon hypereutectoid steel, which consists in annealing the blank from a temperature approximately 1495 degrees Fahr., reheating the blank to a temperature approximately 1450 degrees Fahr., quenching one end of the heated blanks and slowly cooling the unquenched end to produce a blank having a tough shank with a soft, ductile end portion, tempering the blank to eliminate the quenching strains, forming the stamp on the end portion by supporting the blank with said end portion in contact with a die and imparting successive driving blows to the other end, and finally subjecting the stamp to a normalizing treatment which consists in heating the stamp to approximately 1475 degrees Fahr. followed by quenching the stamped end cold and the shank to a temperature below the critical to produce a stamp having a hard stamp end and a soft, tough shank.

2,140,671
TARGET APPARATUS
William L. Dysart and Roy J. Newlin, Louisville, Ky.
Application September 15, 1937, Serial No. 164,064
9 Claims. (Cl. 273—138)



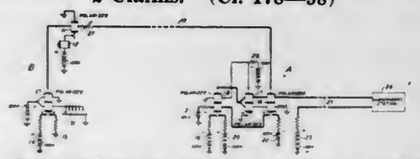
1. A target apparatus including a simulated firearm having a trigger, a simulated target having a lamp thereon, said target being located within range of the firearm when the latter is aimed level at the target, means operable by the trigger for closing a circuit through the lamp, and a leveling device on the firearm for completing said circuit when the firearm is aimed level.

2,140,672
METHOD OF PRODUCING A SEAL
Reid B. Gray, Dundalk, and Harry M. Shealey, Baltimore, Md., assignors to The Glenn L. Martin Company, Baltimore, Md.
Application April 17, 1937, Serial No. 137,505
5 Claims. (Cl. 189—36)



1. A method of forming a sealed connection between two structural members, comprising applying artificial hydrocarbon-resistant rubber cement of relatively low viscosity to each of the members, permitting such cement to dry, and then applying in fluid form an intervening layer of artificial hydrocarbon-resistant rubber cement of high viscosity for the purpose of sealing said members, said structural members being mechanically secured together in assembled relation.

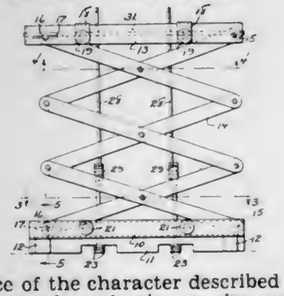
2,140,673
TELEGRAPH SYSTEM
Monte Lee Greene and William Lockwood Rhoads, Sr., St. Louis, Mo., assignors to American Telephone and Telegraph Company, a corporation of New York
Application January 29, 1937, Serial No. 123,064
2 Claims. (Cl. 178—58)



1. In a telegraph system, a line, a polarized relay associated with each of the ends of said line and responsive to reversals of current thereover, a transmitting device associated with each end of said line, each device having a spacing and a marking contact, a first source of current of one polarity and one potential associated with the spacing contact of the first of said devices, a second source of current of opposite polarity and

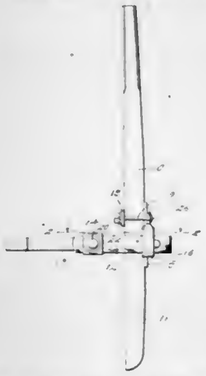
different potential associated with the spacing contact of the second of said devices, a third source of current equal in potential, but opposite in polarity to said first source associated with the marking contact of said first device through the operating winding of the relay with which said device is associated, and a source of ground potential associated with the marking contact of said second device, the relative potentials of said sources being such that the flow of current in each direction over said line is substantially equal when the marking contact of either device is held closed and the other device is operated to close either its spacing or marking contact.

2,140,674
TYPER'S STAND
Mary Hassett, Woonsocket, S. Dak.
Application May 2, 1938, Serial No. 205,617
3 Claims. (Cl. 120—28)



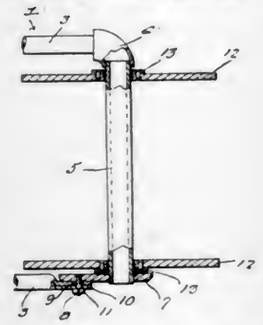
1. A device of the character described comprising a clamping base having a channeled body provided with front and rear depending supports, a movable bar-like head piece above said base, lazy tongs having connection with the base and head piece for relative adjustment of the latter with respect to said base, clamping yokes formed with the head piece, binding screws in said yokes and channeled base for clamping of work therein, arms fitted with said base, and props associated with the arms and adjustably engageable with the head piece.

2,140,675
LUG STRAP SUPPORT
Wingo Herron, Augusta, Ga.
Application March 29, 1938, Serial No. 198,754
1 Claim. (Cl. 139—154)



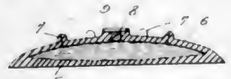
A lug strap support comprising a frame having an open center forming an eye for receiving a lug strap and also provided with an inset picker stick seat in one side thereof for accommodating a picker stick, an ear at the uppermost portion of the frame, means engaged in said ear and embracing the picker stick for holding the frame thereon and accommodating the lug strap within the eye when about said picker stick, and a strap engaged by said means and depending within the seat for the picker stick for disposition between it and the said frame.

2,140,676
WIRE HANDLING DEVICE
Martin J. Hohner, Wheatfield, Ind.
Application April 14, 1938, Serial No. 202,103
2 Claims. (Cl. 242—94)



1. A wire handling device comprising a substantially U-shaped frame, a transverse axle mounted on one end of one of the legs of the frame and adapted for insertion through a spool of wire, removable discs journalled on the end portions of the axle, and means for detachably connecting one end portion of the axle to the free end portion of the other leg of the frame, said means including a removable plate threadedly mounted on said one end portion of the axle, a threaded shank fixed on said plate and insertable through said other leg of the frame, and a nut threaded on said shank.

2,140,677
CHICKEN DELOUSER
Horace B. Holmes, Storm Lake, Iowa
Application January 17, 1938, Serial No. 185,460
1 Claim. (Cl. 119—157)

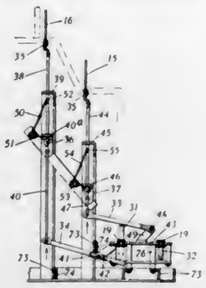


A device for delousing fowls, comprising a hollow body portion constructed of rubber material and having a flat lower surface, the upper wall of the body portion being curved upwardly and formed with openings, said upper wall having a central opening through which material may be placed into the body portion, and the upper wall of the body portion adapted to move downwardly under the weight of a fowl setting thereon, forcing delousing fluid through the openings and onto the body of the fowl.

2,140,678
ADVERTISING APPARATUS
Louis Percy Linden, Snow Hill, London, England
Application April 21, 1938, Serial No. 203,421
In Great Britain January 12, 1938
6 Claims. (Cl. 40—65)

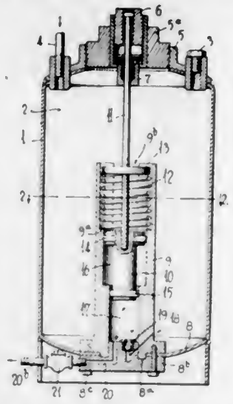
1. Advertising apparatus comprising a casing, a series of letters normally concealed within said

casing, a travelling endless chain and means carried by said chain for successively exposing said



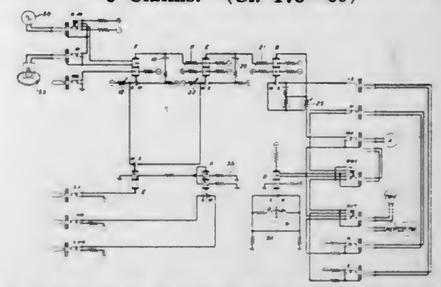
letters to view outside said casing and for effecting their simultaneous disappearance.

2,140,679
CHEMICAL FLOW CONTROLLER
Roy S. McKeever, Tulsa, Okla., assignor to Smith Separator Corporation, Tulsa, Okla., a corporation of Oklahoma
Application April 19, 1938, Serial No. 202,946
3 Claims. (Cl. 221—102)



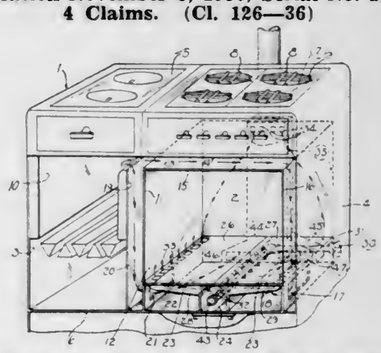
1. An apparatus of the character described, comprising a gas-tight tank, an upstanding cylinder positioned in the tank and secured to the bottom of the latter, means closing the lower end of the cylinder, said cylinder having a chamber at its lower end portion, a passageway placing the interior of the tank in communication with the bottom of said chamber, a check valve in said passageway for controlling the flow of liquid from the interior of the tank into the chamber, a passageway for discharging a liquid from the lower end of the chamber and provided with a check valve, a compound piston arranged to reciprocate in the cylinder and having an enlarged upper end portion, the lower end portion of the piston forming the top of said chamber, a guide rod for the piston, a spring in the cylinder surrounding the guide rod and adapted to yieldingly hold the piston in an uppermost position, a member mounted on the guide rod and bearing upon the upper end of the spring, the upper end portion of the cylinder being provided with means to permit gas under pressure introduced into the tank to act upon the enlarged upper end of the piston, and means for introducing gas under pressure into the upper end portion of the tank.

2,140,680
TELEGRAPH TESTING SET
Harold Anson Rhodes, Bloomfield, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application September 26, 1936, Serial No. 102,761
6 Claims. (Cl. 178—69)



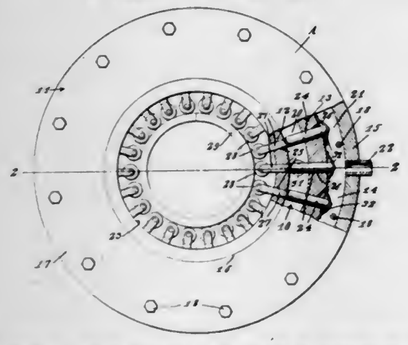
1. A telegraph signal reproducing system comprising receiving relay means for producing marking current impulses and spacing current impulses, circuit means for shaping substantially identically said marking and spacing impulses, transmitting relay means for producing from said shaped impulses signals with said marking and spacing elements combined, biasing resistance means for lengthening only the marking elements, biasing resistance means for lengthening only the spacing elements, and switching means for connecting alternately one or the other of said biasing means into operation for biasing said produced signals to marking or spacing.

2,140,681
DUAL OR COMBINATION RANGE
Frank H. Schneider, Royersford, and Dominick Saponara, Spring City, Pa., assignors to The Floyd-Wells Company, Royersford, Pa., a corporation of Pennsylvania
Application November 6, 1937, Serial No. 173,243
4 Claims. (Cl. 126—36)



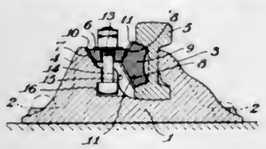
1. A range comprising a fire box having a source of heat therein, an oven, separate bottom flues beneath opposite sides of the oven, a main discharge flue at the rear of the range into which said oven and oven bottom flues discharge, a vertical flue extending down one side of the oven and leading from said fire box to one of said bottom flues, top and side flues extending from the fire box across the top and down the other side of the oven to the other of said bottom flues, a housing sealed from oven and from said bottom flues and extending from front to rear of the oven and beneath the same, an elongated gas burner in said housing and tubes extending transversely of said burner and oven bottom and opening at opposite ends to said housing and said bottom flues respectively.

2,140,682
METHOD OF AND MEANS FOR CLOSING PISTON RINGS
William Strauss, Philadelphia, Pa.
Application March 27, 1937, Serial No. 133,454
1 Claim. (Cl. 29—89)



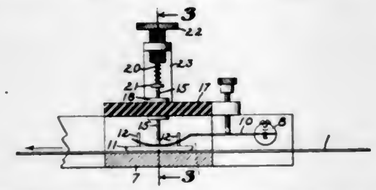
A piston ring contracting means comprising a hollow body having a tubular cylindrical inner wall opening through opposite ends of the body, a cylindrical guide wall disposed concentrically about said first wall and within said body, a plurality of radially arranged plungers slidably engaging through said guide wall, means integral with said plungers slidably engaging through said first cylindrical wall holding said plungers against turning, rollers carried by said means interiorly of said first wall, said rollers having the axes thereof disposed parallel to the axis of said first wall, a bowed spring engaging across the outer end of each plunger with the ends of each spring engaging against the adjacent surface of said guide wall, and means securing the central portion of a spring to a plunger whereby to constantly urge said plungers radially outwardly, said body having means to admit fluid under pressure to thereby move said rollers to ring contracting position.

2,140,683
RAIL CHAIR
Stanley Shaw Widdas, Cardiff, Wales
Application July 6, 1937, Serial No. 152,176
In Great Britain July 8, 1936
1 Claim. (Cl. 238—204)



Rail-supporting means comprising a sole plate to be mounted upon a sleeper, a pair of spaced apart jaws integral with and rising from said sole plate, a seat for a rail base between said jaws, one of said jaws being formed to engage with one side of the web of a rail operatively mounted on said seat, the other jaw having a downwardly and inwardly inclined surface, a fish plate having top and bottom faces for engagement with the under face of the rail head and the upper face of the rail base, respectively, the upper and lower outer face portions of said fish plate being inclined upwardly and inwardly and downwardly and inwardly respectively, from a point substantially midway between the top and the bottom faces of said fish plate, the inclinations of said outer face portions relative to a horizontal plane being equal, the inclination of the downwardly and inwardly inclined surface of the second mentioned jaw being equal to the inclination of the said outer face portions of the splice bar relative to a horizontal plane, a wedge element, said wedge element having opposite side faces thereof to be forced downwardly between the inclined surface of said second mentioned jaw and the upper outer face portion of the splice bar, thereby to urge the splice bar into engagement with the rail and the latter into engagement with the first mentioned jaw, downwardly converged, the inclinations of the said opposite side faces of said wedge element relative to the horizontal being equal and the same as to the inclinations of the outer face portions of the splice bar and the inclined surface of the second mentioned jaw relative to the horizontal, and means for forcing the wedge element downwardly between the inclined surface of said second mentioned jaw and the upper inclined outer face portion of the fish plate.

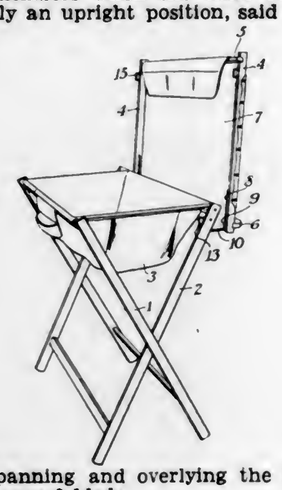
2,140,684
TAPE RECORD REPEATER
William Leland Andrus, San Francisco, Calif.
Application August 18, 1936, Serial No. 96,585
10 Claims. (Cl. 178—70)



1. The method of retransmitting received telegraph signals, which comprises the steps of recording said signals on insulating tape with conducting ink as a substantially continuous line, continuously moving said tape, electrically contacting said line at two positions longitudinally spaced therealong, making a separate electrical contact with an elementary length of said line between said spaced positions and corresponding to a predetermined phase of the received signal, applying an electrical potential between the points of contact on said line, and utilizing the currents flowing as a result of said potential to initiate the repeated signal.

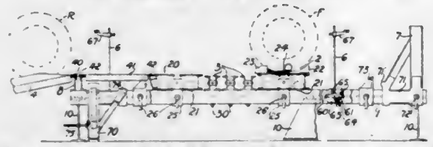
2,140,685
COMBINATION BATHTUB AND DRESSING TABLE
William C. Baxter, Rochester, N. Y., assignor to Trimble Nursery-Land Furniture, Inc., Rochester, N. Y., a corporation of New York
Application November 26, 1937, Serial No. 176,546
2 Claims. (Cl. 311—80)

1. The combination with a folding stand including pivotally connected leg frames and a dressing table located between the ends of the leg frames, of pivoting members for connecting the dressing table to one of the leg frames, each of said pivoting members including a portion rigidly attached to the dressing table and depending from the rear of the latter, a stop portion extending thence forwardly at approximately a right angle to said depending portion, a terminal portion that projects upwardly from said stop portion and is pivotally secured to the leg frame, and a stop member on the leg frame engageable with the stop portion of one of said pivoting members when the table reaches approximately an upright position, said depending



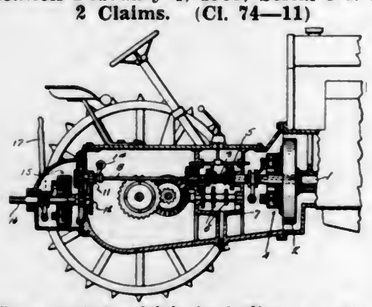
portion spanning and overlying the leg frames when they are folded.

2,140,686
FRAME STRAIGHTENER
Claude C. Bennett, Seattle, Wash., assignor to A. E. Feragen, Inc., Seattle, Wash., a corporation of Washington
Application April 16, 1934, Serial No. 720,752
21 Claims. (Cl. 153—32)



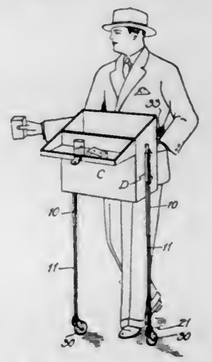
21. A frame straightener for an automotive vehicle having a chassis frame, comprising a pair of spaced frame members, a plurality of vehicle supporting table members so mounted upon said frame members as to be movable lengthwise thereof, a plurality of reaction members slidably supported upon said frame members and interposed between said table members, and means extending between said reaction members and the frame of the vehicle to apply a bending force to the vehicle frame.

2,140,687
TRACTOR DRIVE TAKE-OFF
Charley L. Brown, Rushville, Mo., assignor of one-half to Claude W. McQueen, Rushville, Mo.
Application February 4, 1938, Serial No. 188,768
2 Claims. (Cl. 74—11)



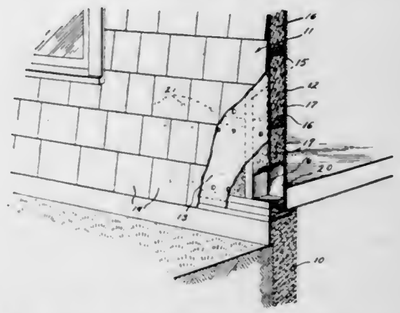
1. In a motor vehicle including a motor shaft and transmission means, a hollow shaft for such means, a second shaft passing through the hollow shaft and connected with the motor shaft, a take-off shaft, a stub shaft, gears connecting the stub shaft to the second shaft, clutch means for connecting the stub shaft to the take-off shaft, and means for moving one gear into and out of mesh with the other gear.

2,140,688
INTERCHANGEABLE COMBINATION CARRIER AND SUITCASE
Alexander B. Cohn, New York, N. Y.
Application April 6, 1937, Serial No. 135,314
5 Claims. (Cl. 280—29)



1. A device of the class described comprising in combination, a receptacle, a guide mounted upon each end of the receptacle and a supporting leg slidable in each said guides, each of said supporting legs comprising hinged sections adapted to fold over the receptacle to form a carrying handle therefor.

2,140,689
INSULATED WALL
Howard W. Collins, Newark, Ohio, assignor, by mesne assignments, to The Ingleside Company, Newark, Ohio, a corporation of Ohio
Application September 18, 1936, Serial No. 101,515
2 Claims. (Cl. 20—4)



1. An outer wall structure comprising an inner panel board having one side covered with vaporproof material, an outer panel board provided with a plurality of relatively small openings providing an unobstructed passage of air therethrough and predeterminedly spaced horizontally and vertically with respect to each other so as to prevent a concentration of air at any one point in the wall, studs spacing the inner and outer

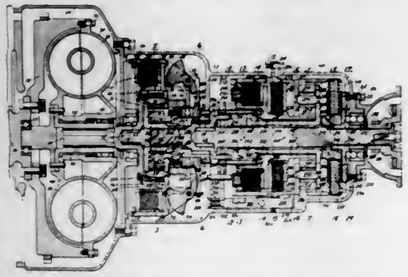
panel board, insulating material between the inner and outer panel board and finishing material secured to the outer panel board requiring the air to take a circuitous passage through said finishing material while preventing the passage of rain and snow through said openings.

2,140,690

AUTOMATIC PLANETARY AUTOMOTIVE TRANSMISSION

Frederick W. Cotterman, Dayton, Ohio, assignor of one-half to Bessie D. Apple, Dayton, Ohio

Application January 20, 1936, Serial No. 59,879
18 Claims. (Cl. 74—260)



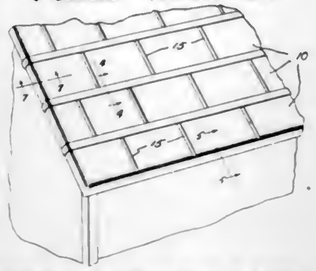
1. A gear mechanism comprising a driving member, a driven member, a ring gear secured to the driven member, planet pinions in mesh with said ring gear, a sun gear in constant mesh with said planet pinions, a planet pinion carrier, a toothed clutch for connecting said carrier to the driving member, a toothed brake for holding said carrier against rotation, manual means operable in one direction to engage the clutch and release the brake and in the other direction to release the clutch and apply the brake, and to an intermediate position to release both clutch and brake, centrifugal weights carried by the driven member, weight holding springs for restraining outward movement of said weights, a weight holding collar, holding means on said collar and corresponding holding means on said weights whereby axial pressure of said collar restrains said weights from moving outwardly, a plate clutch normally in engagement for connecting the sun gear to the driving member, clutch engaging springs compacting said clutch plates axially into engagement, means whereby the axial engaging force of said springs is transmitted to said weight holding collar to press the holding means on said collar against the holding means on said weights, whereby the force of the clutch engaging springs is added to the weight holding springs to restrain outward movement of said weights, helical teeth on said sun gear angled to create an axial thrust due to load thereon away from the holding collar when the carrier is disconnected from the driving member and held against rotation and to create an axial thrust against the holding collar when the carrier is connected to the driving member, whereby the weights are further restrained from outward movement in proportion to the torque being transmitted, the holding means being operable upon outward movement of said weights to permit the plates of said clutch to be moved axially away from the clutch engaging springs to disengage said plate clutch by the axial movement of the said sun gear due to load on its helical teeth, and a friction brake engageable to hold said sun gear against rotation operable by further axial movement of said sun gear in the same direction after the said plate clutch is disengaged.

2,140,691

SHINGLE STRIP AND ROOF CONSTRUCTION

James Evans Crump, Orlando, Fla., assignor to Copper Protected Roofing Company, Inc., Orlando, Fla.

Application May 18, 1938, Serial No. 208,689
7 Claims. (Cl. 108—13)



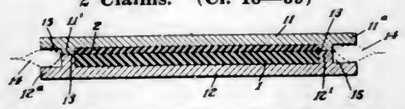
1. A shingle strip comprising a sheet of copper and a reinforcing sheet secured thereto, the opposite edges of said strip having marginal portions corrugated to compensate for expansion and contraction of the strip when applied to a roof, said strip being provided with ribs extending between said portions to divide the strip into shingle members.

2,140,692

METHOD FOR MANUFACTURING MOLDED RUBBER ARTICLES

Charles Leo Daly, Belmont, Mass., assignor to Daly Bros. Shoe Co., Inc., Boston, Mass., a corporation of Massachusetts

Original application August 23, 1934, Serial No. 741,101. Divided and this application February 15, 1937, Serial No. 125,740
2 Claims. (Cl. 18—59)



1. The method of uniting two layers of vulcanizable material into a composite molded article, which comprises separately confining preformed biscuits of different physical and optical properties within the mold cavities of separate mold members, at least one of said biscuits being of greater mass than required to exactly fill the mold cavity in which it is confined reversing one mold member and superposing it upon the other mold member with the biscuits in over-all surface contact, pressing both mold members in a direction substantially normal to the plane of surface contact whereby excess material in the mold cavities will be expressed as a flash and the remaining material in each cavity will exactly fill that cavity, and vulcanizing said biscuits together while maintaining said pressure in said direction thereon so that the final article will have a clean, straight well-defined line of demarcation between the layers thereof.

2,140,693

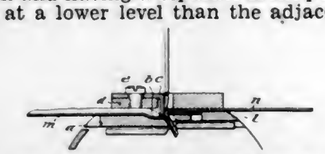
MACHINE FOR PRODUCING COMBINED CROSS AND COVERING SEAMS

Fritz Ebert, Oberndorf-on-the-Neckar, Wurttemberg, Germany, assignor to Mauser-Werke A.-G., Oberndorf-on-the-Neckar, Germany, a joint-stock company of Germany

Application April 1, 1937, Serial No. 134,417
In Germany April 3, 1936
4 Claims. (Cl. 112—260)

1. In a work-carrying arm sewing machine having a needle and a presser foot the combina-

tion of a throat-plate on the free end of the said arm and having a separate front portion arranged at a lower level than the adjacent front



part of the throat-plate, the said separate front portion being pivotally mounted to be able to yield laterally.

2,140,694

DEHYDRATION OF ORGANIC OXY COMPOUNDS

Theodore Evans, Martinez, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application December 23, 1935, Serial No. 55,865
18 Claims. (Cl. 202—42)

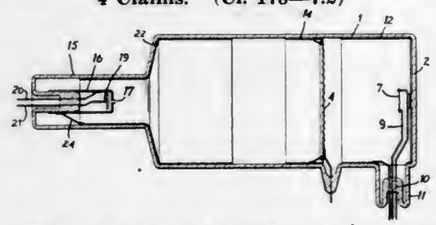
10. A process for the removal of water from an aqueous solution of an alcohol which comprises mixing the aqueous alcohol with an ether selected from the group consisting of the aliphatic mixed ethers and the aliphatic symmetrical ethers, the latter containing at least six carbon atoms to the molecule, subjecting the resulting mixture to distillation to distill over simultaneously substantially all of the water and the ether, and recovering the substantially anhydrous alcohol.

2,140,695

CHARGE STORAGE DISSECTOR

Philo T. Farnsworth, San Francisco, Calif., assignor to Farnsworth Television Incorporated, San Francisco, Calif., a corporation of California

Application July 6, 1935, Serial No. 30,118
4 Claims. (Cl. 178—7.2)



1. The method of amplification comprising creating a steady electron emission from a relatively small source, applying a diverging field to said electrons to create a stream of picture area cross section, directing said electrons after divergence against an electron permeable photoelectric surface at a velocity sufficient to create secondary electrons, directly utilizing a portion of said secondary electrons to create an equilibrium charge pattern immediately adjacent said surface, projecting an optical image on said surface to create emission of photoelectrons therefrom, drawing both photoelectrons and secondary electrons in electron image relationship through said equilibrium pattern, and scanning the resultant electron image to produce a train of signals.

2,140,696

METHOD FOR PRODUCING AN ELASTIC FABRIC

André Ferrari, Saint-Victor-sur-Rhins, France

Application October 14, 1937, Serial No. 169,053
In France October 24, 1936
2 Claims. (Cl. 66—195)

1. Process or method for producing an elastic fabric for parachute surfaces or sails on a warp knitting frame, with three guide bars, in which threads essentially of natural raw silk wound about 350 turns per meter, are distributed on each bar, the threads of bars Number 1 and Number 3 being with two ends whereas the



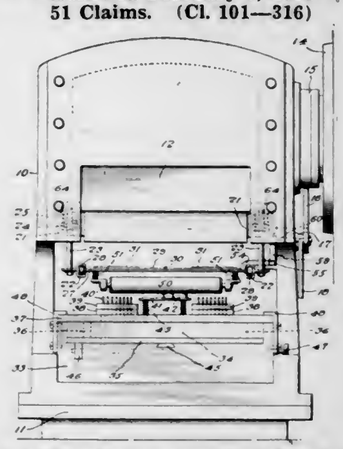
threads of bar Number 2 are with three ends, which comprise moving the guide-bars lengthwise in such manner that bars Number 1 and Number 2 are given long and staggered displacements while bar Number 3 is given short displacements.

2,140,697

ORNAMENTING MACHINE

Benjamin W. Freeman, Cincinnati, Ohio

Application November 25, 1936, Serial No. 112,777
Renewed February 7, 1938
51 Claims. (Cl. 101—316)



1. A machine for ornamenting shoe parts comprising a die support, a marking die and a cutting die, means to apply ink to said marking die, a combined work supporting and stripping means movably mounted independently of said dies, pressure applying means operatively connected to said combined means to effect relative movements between said dies and said combined means whereby to ornament a work piece on said combined means and to strip the work piece from the cutting die after ornamentation thereof, and means to secure said dies against movement relative to said die support, when the work piece is stripped from the cutting die.

34. A machine for ornamenting shoe parts comprising a fixed bed, a die, means to secure said die against movement from the face of said bed, work stripping means independent of said die for removing work from said die after an ornamenting operation, and means independent of said die for actuating said stripping means.

2,140,698

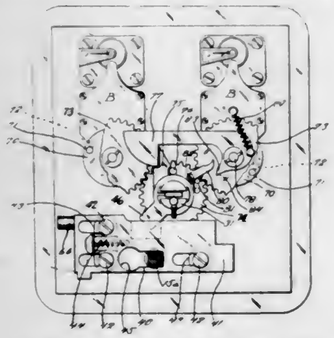
TIME LOCK

William E. Goehring, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut

Application June 13, 1936, Serial No. 85,034
19 Claims. (Cl. 70—268)

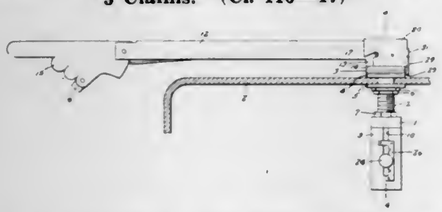
1. A universally applicable time lock having a

casing, a manually rotatable control shaft in said casing, one end of said shaft extending through said casing to the front of said casing for manual manipulation, the other end of said shaft extending through said casing to the back thereof,



time controlled mechanism in said casing for preventing the rotation of said shaft in a predetermined direction until the said time mechanism has run through a predetermined time period, and means for starting the running of said predetermined time period.

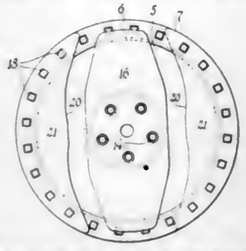
2,140,699
SIGNALING DEVICE
Herbert Hiram, Petaluma, Calif.
Application May 25, 1938, Serial No. 210,050
3 Claims. (Cl. 116—47)



1. A signal of the class described comprising a sleeve mounted vertically in the top of an automobile, a tubular shaft rotatably mounted in said sleeve, a hollow arm fixed on the upper end portion of said shaft, an indicator pivotally mounted on the free end portion of said arm, a hand lever pivotally mounted on the lower portion of the shaft, and means operatively connecting the indicator to said lever for actuation thereby, said means including a bell crank lever pivotally mounted in the inner end portion of the arm, a rod operatively connecting said bell crank lever to the indicator, and another rod, operable in the tubular shaft, operatively connecting the hand lever to said bell crank lever.

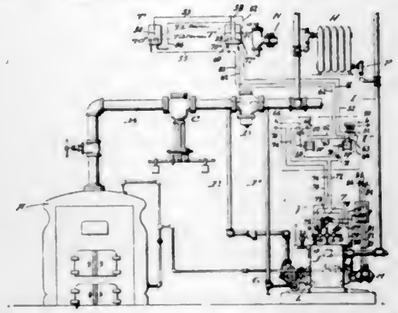
2,140,700
LIFTING MAGNET
Howard E. Hodgson, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application October 25, 1935, Serial No. 46,675
5 Claims. (Cl. 175—367)

1. In a lifting magnet, in combination, a magnet frame having spaced inner and outer pole projections and an annular energizing winding mounted in the space between said pole projections, said inner pole projection having a single substantially oblong pole face diametrally disposed with respect to said winding and extending across substantially the entire face of said magnet frame and said outer pole projection



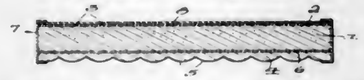
having two elongated pole faces arranged on opposite sides of said former pole face and spaced with respect thereto to provide two elongated open magnetic gaps.

2,140,701
CONTROL MECHANISM FOR STEAM HEATING SYSTEMS
Irving C. Jennings, South Norwalk, Conn.
Application March 7, 1935, Serial No. 9,894
15 Claims. (Cl. 237—9)



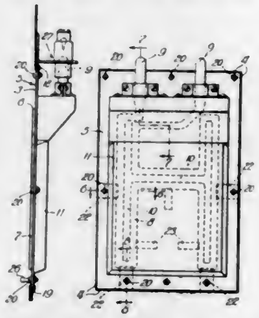
1. Control mechanism for a vacuum steam heating system, having a pumping mechanism for removing the air or gas from the system and creating a vacuum in the return side thereof, comprising a variable vacuum relief means for maintaining the vacuum in the system at different degrees, including a plurality of differently set relief valves, and thermostatically controlled means operable by temperature variation for controlling said valves so that different degrees of vacuum may be created in the return side of the system.

2,140,702
STEREOSCOPIC PICTURE
Clarence W. Kanolt, Long Island City, N. Y.
Application August 31, 1934, Serial No. 742,304
7 Claims. (Cl. 88—29)



1. In the production of a picture for viewing in stereoscopic relief, the improvement which comprises, printing on one surface of a sheet of transparent material a composite image of an object, said image having interlineated views of an object from different points of view, and subsequently affixing to the other surface of said sheet a sheet of lenticulated transparent material with the lenticulations in registry with the interlineated elements of the composite image.

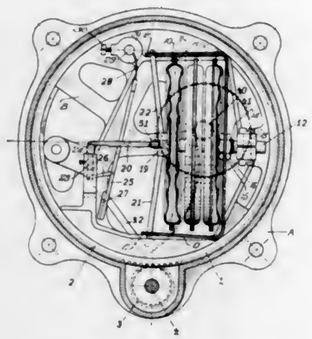
2,140,703
INTERCHANGEABLE GASEOUS LUMINOUS SIGN
Alexander H. Kenigsberg, Chicago, Ill.
Application July 17, 1936, Serial No. 91,021
25 Claims. (Cl. 40—130)



3. An individual unit for a sign of the class described comprising a supporting frame, an insulating housing secured to the rear face of said frame, a gas-filled tube formed into a predetermined shape disposed in said housing, a flange formed in the face of said frame outlining the periphery of said shape, a transparent or translucent plate supported by said flange, and means at the ends of said tube extending through said housing rearwardly of said frame for connection to a source of current supply.

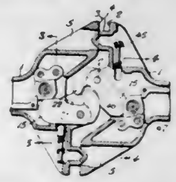
7. In combination, a substantially planar frame member having a cut-out opening therein conforming to the shape of a character element, an offset flange defining the periphery of said opening, a transparent plate over said opening within said flange, luminous gaseous tube means bent into the shape of said opening and supported in position against the rear face of said plate, said tube being doubled back on itself in forming said shape to produce a double line effect representing said character, and means on said plate preventing transmission of light therethrough between the parallelly extending portions of said tube.

2,140,704
TEMPERATURE COMPENSATOR FOR PRESSURE RESPONSIVE DEVICES
Paul Kollsman, Greenwich, Conn.
Application September 30, 1935, Serial No. 42,827
24 Claims. (Cl. 73—110)



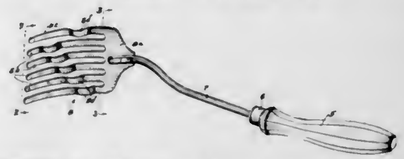
2. A pressure responsive instrument providing a varying temperature compensation comprising a frame; a gang of one or more expansible and collapsible diaphragm capsules having a mounting on one side adapted to be secured to said frame; a temperature responsive U-shaped spring fixed at its mid-portion to said frame with its legs embracing said gang of capsules; an operator fixed to the outer face of said gang of capsules; and toggle arms extending from said operator to the free ends of said U-shaped spring whereby a varying component of force from said spring is applicable to said operator in the direction of its operating movement for compensating purposes.

2,140,705
CAR COUPLER
Ernst A. Larsson, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application October 7, 1936, Serial No. 104,402
8 Claims. (Cl. 213—142)



1. In combination, a pair of Janney type couplers having abutting faces and knuckles for holding said faces in engagement and preventing relative longitudinal movement of the couplers, vertically operating wedge locking means associated with each knuckle tail to impart movement to the knuckle and to hold the knuckle against unlocking movement, the wedge locking means held in unlocking relation to the knuckle by the knuckle tail when the knuckle is in its unlocking position, means to move the knuckles when open only to a partial locking position by the bringing together of the couplers due to the incapability of further longitudinal movement as a result of the contacting of the abutting faces, spring held reciprocating means associated with each knuckle tail and movable with and relative thereto to engage the knuckle on the cooperating coupler to further complete the movement of the knuckle to the coupling position and to release the locking means to act upon the knuckle to complete the movement of the knuckle to the fully coupled position.

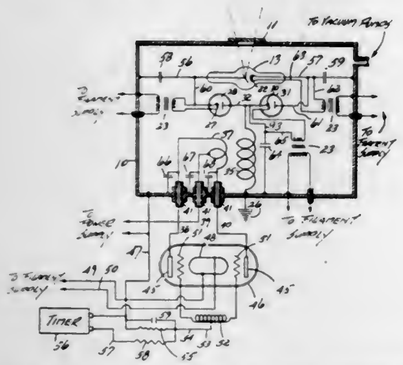
2,140,706
MIXING KNIFE
Charles E. Latshaw, Minneapolis, Minn.
Application May 12, 1937, Serial No. 142,195
1 Claim. (Cl. 259—144)



A cutting and mixing device comprising a head portion, and a plurality of narrow spaced blades extending from said head portion and having free ends, said blades each being provided with an upwardly curved portion forming a ripple, said ripple on one outer blade being closely adjacent said portion and said ripples on each of the successively adjacent blades, save the other outer blade, partially overlapping each other and being successively nearer to the free ends thereof, all

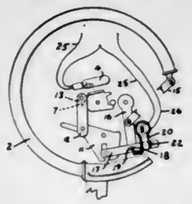
of said ripples being disposed above a plane defined by the lower non-rippled longitudinal edges of said blades.

2,140,707
HIGH FREQUENCY X-RAY APPARATUS
William Maxwell Lee, Covington, Ky., assignor to The Kelley-Koett Manufacturing Company, Inc., Covington, Ky., a corporation of Ohio
Application January 8, 1936, Serial No. 58,147
8 Claims. (Cl. 250—100)



1. In an X-ray apparatus, the combination which comprises the following apparatus in the relation named, contained within an electrically insulating space: an X-ray tube, a plurality of valve tubes arranged to supply direct current to said X-ray tube, a transformer comprising a primary and a secondary circuit adapted to supply high voltage current to said valve tubes and thence to said X-ray tube, means in the primary circuit thereof for resonating same, a plurality of transformers adapted to supply heating current to the filaments of said valve tubes and of said X-ray tube, said filament heating transformers having sufficient inherent capacity between primary and secondary to resonate the secondary of said high tension transformer at radio frequencies and being arranged to act as storage condensers to supply substantially constant-potential current to said X-ray tube.

2,140,708
FLUID FUEL BURNER IGNITION CONTROL
Ira E. McCabe, Chicago, Ill.
Application April 15, 1937, Serial No. 136,975
32 Claims. (Cl. 158—28)



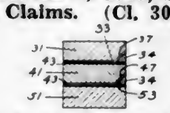
1. In an electrically operated and controlled fluid pressure burner mechanism including an electrical igniter, an ignition circuit, a switch in the ignition circuit, and means for operating the switch, includng a pressure-responsve means, and an electrically operated thermal means co-acting therewith and arranged upon initiation of operation of the burner mechanism to operate the switch a predetermined time thereafter.

2,140,709
CONSTRUCTIONAL ELEMENT
Karl Wilhelm Mauser, Cologne-Ehrenfeld, Germany, assignor, by mesne assignments, to Mauser Kommandit - Gesellschaft, Cologne-Ehrenfeld, Germany
Application February 27, 1936, Serial No. 66,101
In Germany February 28, 1935
4 Claims. (Cl. 189—34)



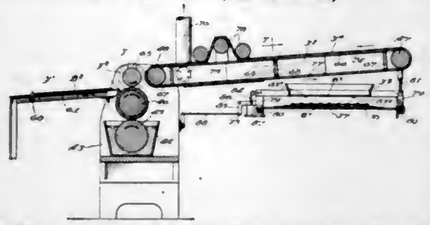
3. A sound and heat insulating constructional element consisting of a plurality of spaced metal plates, rails of corrugated asbestos material for connecting and spacing the metal plates, and guides shaped to fit the rails, between which the rails can slide, arranged on the inner sides of the metal plates.

2,140,710
PISTON RING
Michael M. Meisel, Baltimore, Md.
Application March 1, 1938, Serial No. 193,249
5 Claims. (Cl. 309—44)



1. A piston ring set of the class described comprising in combination, a plurality of piston rings for insertion in a single ring groove of a piston, and means for temporarily attaching same together as one unit, which means being arranged to dissipate after a predetermined period of normal piston operation and permit the rings to be free of each other.

2,140,711
METHOD AND APPARATUS FOR MANUFACTURE OF UPHOLSTERY TRIM PANELS
Allister S. Mitchell, Detroit, Mich., assignor to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware
Application September 7, 1935, Serial No. 39,660
25 Claims. (Cl. 154—2)

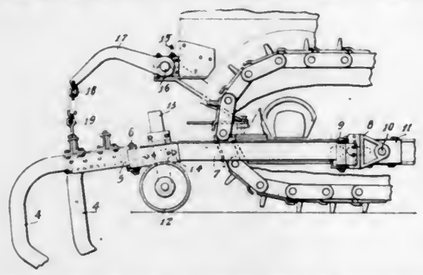


1. In a panel-upholstering process, the steps which comprise: feeding a web-connected series of spaced, pre-cut panel-covers and holding the panel-covers in stretched condition; supporting panel-plates at a panel-applying station above the path of the upholstery; and automatically releasing the panel-plates in succession upon the upholstery in timed relation to the movement of the panel-covers.

2,140,712
DIRECT CONNECT IMPLEMENT
Rollie H. Mitchell, Walnut Park, Calif., assignor, by mesne assignments, to Killefer Manufacturing Corporation, a corporation of California
Application July 6, 1936, Serial No. 88,972
4 Claims. (Cl. 97—47)

1. In a direct connected cultivating implement adapted for connection upon a tractor, a frame,

separate attachment arms, horizontal pivoting connections between the attachment arms and the frame at each side of the tractor, attachment brackets adapted to be secured upon opposite



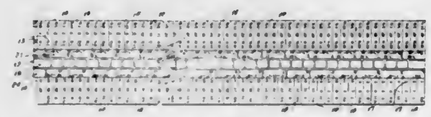
sides of the tractor, universal pivotal connections between the attachment arms and the brackets, and depth controlling wheels carried by the attachment arms near the point of pivotal connection of the frame and the attachment arms.

2,140,713
ADDITION PRODUCTS OF ACETYLENE AND ALCOHOL AND PROCESS OF PRODUCING THEM
Julius A. Nieuwland, George F. Hennion, and Donald B. Killian, Notre Dame, Ind., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 21, 1936, Serial No. 70,110
31 Claims. (Cl. 260—515)

1. The process which comprises reacting alcohols with compounds of the general formula RC≡CR′ in which R and R′ are members of the group consisting of hydrogen and hydrocarbon radicals, but in which R and R′ are never both hydrogen, in the presence of mercuric oxide and a boron fluoride affording compound.

17. An addition product of a compound of the general formula RC≡CH in which R is an unsaturated aliphatic hydrocarbon radical containing more than two carbon atoms, and an alcohol obtainable by reacting the compound with the alcohol in the presence of mercuric oxide and a boron fluoride affording compound.

2,140,714
BRICK BOND GAUGE
Joseph Palmer, Fort Worth, Tex.
Application May 29, 1937, Serial No. 145,621
2 Claims. (Cl. 33—111)

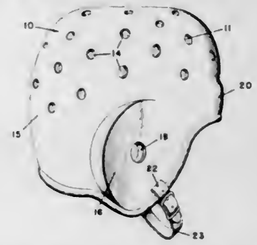


1. In a brick bond gauge for a horizontal layout, said gauge comprising an elongated gauge body, graduations extending transversely of the gauge body, and scale indicia associated with the graduations and occupying at least two parallel zones extending longitudinally of the gauge for reading successively therealong, said scale indicia and graduations in the several zones representing whole, half and three-quarter bricks combined with a vertical joint of pre-determined width to occupy a known distance in a horizontal course of brick bond, the initial scale indicia and graduations in each zone respectively designating whole, half, and three-quarter bricks for the horizontal bond to be laid whereby the vertical plumbing of the ends of bricks and parts thereof with their vertical joints, results from the horizontal laying out measurement from a given vertical line.

2,140,715
METHOD FOR THE PRODUCTION OF CHLORINE CONTAINING DERIVATIVES OF RUBBER
John M. Peterson, Kennett Square, Pa., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 12, 1936, Serial No. 100,471
6 Claims. (Cl. 260—1)

1. A process for the production of chlorinated rubber which comprises pretreating a solution of rubber in a volatile solvent therefor with chlorine in amount within the range of about 0.001% to about 1.0% by weight of the rubber solution and after the viscosity of the solution has been substantially reduced chlorinating the rubber.

2,140,716
PROTECTIVE DEVICE FOR ATHLETIC WEAR
Harry M. Pryale, Pontiac, Mich.
Application May 13, 1935, Serial No. 21,238
3 Claims. (Cl. 2—3)

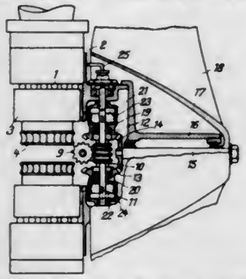


1. Protective wearing apparel comprising a molded shock resisting shield of vulcanized rubber composition conforming substantially to the portion of the wearer with which the same is intended to be used, a highly resilient lining of sponge rubber material permanently secured to the shield and having ribs projecting from the inner surface thereof contributing to the resiliency of the lining and forming air spaces.

2,140,717
GLUCOSIDE OF 3,3′ - DIAMINO - 4,4′ - DIHYDROXY ARSENOBENZENE-SODIUM FORMALDEHYDE SULPHOXALATE AND A PROCESS OF MAKING IT
Frank Lee Pyman, Bertram Garforth, and Leonard Anderson, Nottingham, England, assignors to Boots' Pure Drug Company Limited, Nottingham, England, a British company
No Drawing. Application January 27, 1936, Serial No. 61,114. In Great Britain February 16, 1935
14 Claims. (Cl. 260—211)

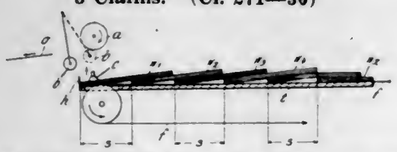
12. A product in the form of a solid powder consisting of sodium formaldehyde sulphoxylate combined with a glucoside of 3,3′-diamino-4,4′-dihydroxyarsenobenzene in the proportion of approximately one molecule of said salt to two molecules of the 3,3′-diamino-4,4′-dihydroxyarsenobenzene, said powder being a neutral compound, and readily soluble in water.

2,140,718
ADJUSTABLE PROPELLER
Hans Reissner, Berlin-Charlottenburg, Germany
Application September 9, 1936, Serial No. 99,933
In Germany September 12, 1935
8 Claims. (Cl. 170—163)



1. An adjustable propeller, comprising a propeller shaft, a hub, propeller blades rotatably arranged on said hub, a brake shaft parallel to the propeller shaft and rotatably supported by said hub, an air blade brake on said brake shaft, an adjusting shaft rotatably carried on said hub transversely of said propeller shaft, two gears rotatable on said adjusting shaft, means on said brake shaft to drive said gears in opposite directions, coupling means comprising two coupling elements axially displaceable on said transverse shaft and adapted to engage said gears respectively to transmit the movement of either of said gears at choice to said transverse shaft and a gearing mechanism to transmit the rotation of said transverse shaft to said propeller blades, whereby the pitch of the latter can be increased and decreased, respectively.

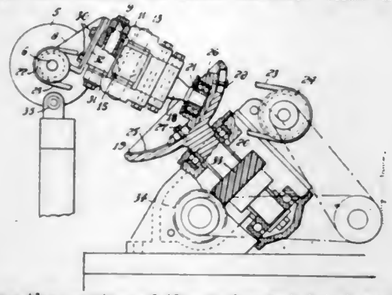
2,140,719
METHOD AND DEVICE FOR FEEDING LEAF-LIKE WORKPIECES TO A SEPARATING DEVICE
Karl Rohrbacher, Berlin, Germany
Application July 3, 1937, Serial No. 151,930
In Germany July 4, 1936
3 Claims. (Cl. 271—30)



1. A method of feeding sheet-like workpieces to a separating device, consisting in arranging the workpieces in a series of shallow piles in alignment on a feed table, removing the individual workpieces successively from the foremost pile while the series of aligned piles remain stationary, until all the workpieces have been removed from the foremost pile and feeding the series of aligned piles forwardly after the foremost pile has become exhausted, so as to bring the next foremost pile into position for enabling the individual workpieces to be removed successively therefrom.

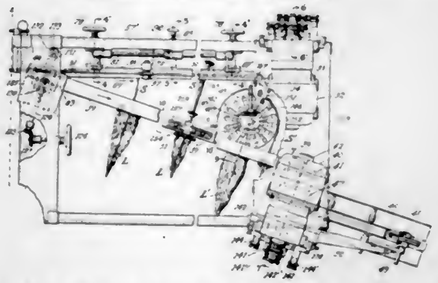
2,140,720
APPARATUS FOR SEVERING AN AXIALLY MOVING ROD INTO LENGTHS
Félix Fréderic Ruau, Deptford, London, England, assignor to Molins Machine Company, Limited, London, England
Application November 27, 1936, Serial No. 113,053
In Great Britain December 17, 1935
13 Claims. (Cl. 131—37)

1. A cutting mechanism comprising in combination a support, a member anchored thereto by a universal joint, a knife carrier pivoted to said member to swing in one plane only relatively to said member, means to impart to the member an orbital movement in such manner that a line



joining the centre of the universal joint and the axis of the carrier pivot sweeps out a conical surface, a knife on the knife carrier and means to maintain the knife at all times parallel to a given plane.

2,140,721
TOBACCO STEMMER
Rupert E. Rundell, Rockville Centre, N. Y., assignor, by mesne assignments, to The American Tobacco Company, New York, N. Y., a corporation of New Jersey
Application May 1, 1935, Serial No. 19,228
23 Claims. (Cl. 131—57)

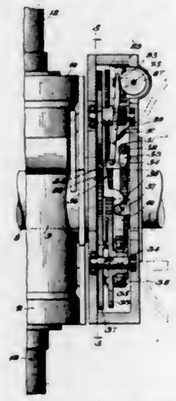


2. In a tobacco stemming machine, the combination with butt-stripping mechanism, of mechanism for advancing leaves into the range of action of said butt-stripping mechanism, carded traveling, endless surfaces adapted to strip the lamina from the stems of leaves drawn therebetween, means for gripping the stem butts of the leaves after they have been subjected to the action of said butt-stripping mechanism and drawing them between said carded surfaces, mechanism having sets of opposed grippers co-acting to seize the stems of leaves which have broken off from the stem butts gripped by said means and movable substantially in the plane of the leaves carried by said carded surfaces to pull said stems between said carded surfaces and thereby strip them, said carded surfaces including belts having opposed runs arranged to strip leaves drawn therebetween by said means and diverging from the latter.

2,140,722
VARIABLE PITCH PROPELLER
Marshall A. Smith, Jr., South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application June 30, 1932, Serial No. 620,263
24 Claims. (Cl. 170—163)

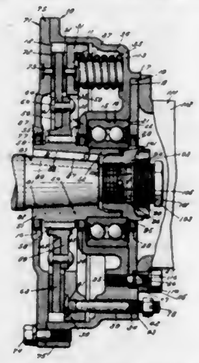
1. A variable pitch propeller having a power shaft and a plurality of blades adjustable to vary

the pitch thereof, gear means rotatably carried by the shaft for adjusting the blades to vary the pitch thereof in response to driving of said gear means at a speed different from the propeller



speed, means for driving said gear means at a speed different from the propeller speed including a double gear fixed to the shaft, and means for operatively connecting and disconnecting said double gear to and from said gear means.

2,140,723
SELF-PROTECTING CLUTCH AND DRIVE MECHANISM
Clarence W. Spicer, Toledo, Ohio, assignor to Spicer Manufacturing Corporation, Toledo, Ohio, a corporation of Virginia
Application September 10, 1936, Serial No. 100,191
5 Claims. (Cl. 64—28)



1. A clutch of the type designed to slip under excess loads only comprising a driving member, a driven member, heat responsive means included in one of said members and designed to withstand heat generated under normal slippage, and a casing designed to enclose said members and prevent the passage of a ventilating draft whereby heat due to slippage will be concentrated upon said means to effect a disruption of the driving connection should abnormal slippage occur.

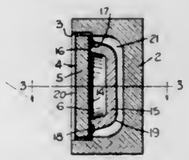
2,140,724
SINKER
Joseph A. Stefan, Comstock, N. Y.
Application December 23, 1937, Serial No. 181,401
3 Claims. (Cl. 43—52)

1. A fishing line sinker comprising an elongated substantially hollow pyramidal body having a tapered bore opening through the opposite ends of said body, and a ferrule molded into the body at the smallest end thereof, the length of said sinker



being such as to accommodate a fish hook of conventional length, and the bore of the sinker at the largest end of the sinker body being of a diameter to accommodate the barb end of the hook.

2,140,725
HERMETIC SEAL FOR LIGHT-SENSITIVE MATERIAL
Cyril S. Treacy, Scarsdale, N. Y., assignor to United Research Corporation, Long Island City, N. Y., a corporation of Delaware
Application April 16, 1935, Serial No. 16,578
4 Claims. (Cl. 201—63)

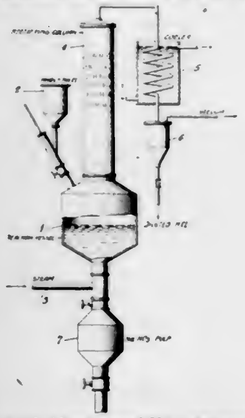


1. In a light sensitive cell construction, a base plate having a flat surface, interdigitated electrodes on said surface, light sensitive material bridging said electrodes, a hollow cap covering said material, said cap contacting said surface and having a single inner contact edge of smaller thickness than the body of said cap, and cementing material at the contact of said cap and said base plate and underlying the body of said cap.

2,140,726
ALKALI METAL AND AMMONIUM NITRATES
Wilhelm Wild and Friedrich Lieseberg, Ludwigshafen-on-the-Rhine, Germany
Application April 9, 1934, Serial No. 719,745
In Germany April 15, 1933
6 Claims. (Cl. 23—102)

1. A process for the manufacture and production of alkali metal and ammonium nitrates by the conversion of alkali metal or ammonium chlorides with nitric acid which comprises introducing steam into the reaction mixture while main-

taining a pressure of about 20 to 30 millimetres



of mercury and thus rapidly removing the hydrochloric acid generated.

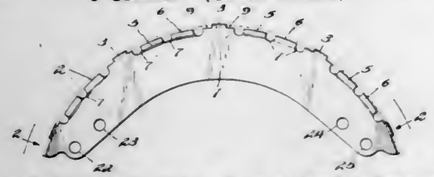
2,140,727

BRAKE SHOE AND METHOD OF MAKING THE SAME

George B. Williams, Rockford, Ill., assignor to L. J. Miley Company, Chicago, Ill., a corporation of Illinois

Application October 24, 1936, Serial No. 107,449

6 Claims. (Cl. 29—152.1)



1. A blank for the web of a brake shoe, said blank comprising a generally arc shaped sheet having arms formed at the outer arcuate edge and extending laterally of the sheet on opposite sides thereof and having radial tongues between certain oppositely extending arms.

2,140,728

WIRE SPOOLING APPARATUS AND TENSION VARYING ELEMENT

Herman Zarafu, West New York, N. J., assignor to Elevator Supplies Company, Incorporated, Hoboken, N. J., a corporation of New Jersey

Application January 11, 1936, Serial No. 58,608

6 Claims. (Cl. 205—16)



1. Apparatus for pulling wire with variable tractive effect, comprising a pair of spaced drums around which wire after it has been drawn is wound in a plurality of loops spanning said pair of drums, means for driving one drum, said driven drum acting by less than its full arc of circumference on the loops of wire in contact therewith, and displacement means for simultaneously varying the arcs of contact of a plurality of the loops of wire with said driven drum, and a wiper contacting with passes of the plurality of wire-loops between the drums which are spanned by said loops.

2,140,729

SPOOL

Rawson Atwood, Brooklyn, N. Y., assignor to Decorated Metal Manufacturing Co. Inc., Brooklyn, N. Y., a corporation of New York

Application October 30, 1935, Serial No. 47,378

1 Claim. (Cl. 206—52)



A spool for tape comprising a barrel for receiving a winding thereof, a pair of flanges at the ends of the barrel having outwardly turned beads at their edges, and a cutter carrier mounted on the beads of the flanges and manually slidable thereon to different cutting positions around the barrel and provided with means extending around and under the beads to hold the carrier in engagement with the beads between the flanges and below the peripheries thereof, and a casing for said spool comprising a recess for the reception and passage of the cutter on the introduction of the spool into the casing and its removal therefrom.

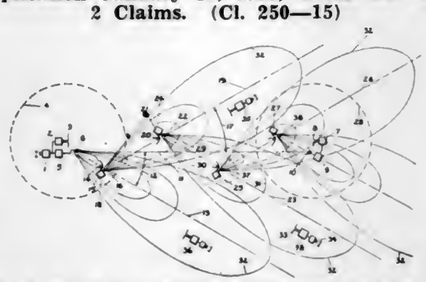
2,140,730

SYSTEM OF COMMUNICATION

John C. Batchelor, New York, N. Y.

Application January 31, 1935, Serial No. 4,244

2 Claims. (Cl. 250—15)



1. A television system comprising means for analyzing an image, broadcasting means remote from said analyzing means, and a plurality of directional repeater stations having predetermined field intensity distribution characteristics whereby signals from said analyzing means may be communicated to said broadcasting means, at least several of said repeater stations being so disposed that energy radiated thereby crosses the line joining said analyzing means and said broadcasting means at each successive retransmission, the angle between said line and the direction of radiation of said energy being such and so related to said distribution characteristics that the areas served by alternate repeater stations are substantially contiguous but non-coincident.

2,140,731

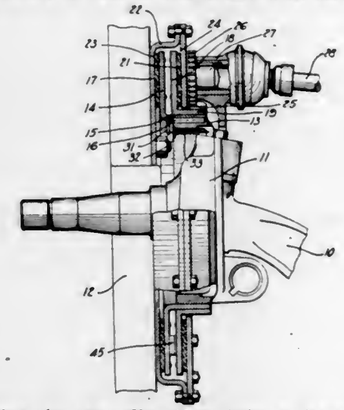
BRAKE

Vincent Bendix, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Original application July 14, 1924, Serial No. 726,050. Divided and this application January 21, 1933, Serial No. 652,962

16 Claims. (Cl. 188—72)

1. A brake comprising a pair of rotatable spaced brake disks, a stationary support sleeve, a pair of friction disks having telescopic sleeves mounted upon said support sleeve and adapted to engage said spaced brake disks, a pin secured in an aperture in one of the brake disk sleeves and



extending in one direction into a longitudinal keyway in said support sleeve, and into an inclined slot in the other brake disk sleeve, and actuating means for rotating the slotted sleeve, to apply the brake.

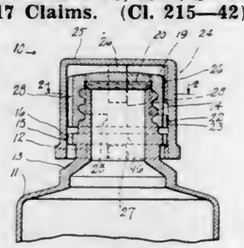
2,140,732

NONREFILLABLE CLOSURE

James P. Burke, Knoxville, Tenn.

Application November 10, 1934, Serial No. 752,417

17 Claims. (Cl. 215—42)



9. A device including a container member, a closure member rotatably connected therewith, a sealing member around the closure member, the container and closure and sealing members having elements adapted for locking with each other, the sealing member being angularly movable along a path to cause the closure member to move as a result of actuation of elements between the closure and sealing members for causing said elements to lock and prevent removal of the sealing member, and the sealing member being movable along a different path, and the sealing and container members having means actuable by movement of the sealing member along said different path to break the sealing member for removal thereof.

2,140,733

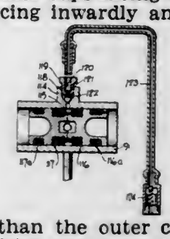
BRAKE

Eugene G. Carroll, Los Angeles, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Original application April 13, 1932, Serial No. 605,083, now Patent No. 2,074,719, dated March 23, 1937. Divided and this application May 25, 1935, Serial No. 23,426

2 Claims. (Cl. 60—54.6)

1. In a hydraulic brake system a wheel cylinder, a pair of plungers in said wheel cylinder, a pair of annular packing cups associated with each plunger, the outer cups facing outwardly and the inner cups facing inwardly and being of larger



cross-section than the outer cups, and a sleeve between the pistons accommodated by the larger cross-section of the inner packings to hold them in position.

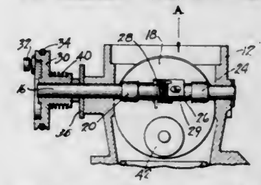
2,140,734

CARBURETOR CHOKE VALVE

Milton E. Chandler, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application August 31, 1932, Serial No. 631,282

11 Claims. (Cl. 277—42)



7. In a carburetion system, an unbalanced choke valve tending to open in response to engine suction, an operating lever therefor having a limited movement with respect thereto, a spring normally causing the valve to follow the lever in its valve closing movement, said spring being adapted to yield to engine suction to permit an increased valve opening relative to the lever position, and means for admitting a limited amount of air past said valve in response to a higher degree of suction when said lever reaches its extreme position.

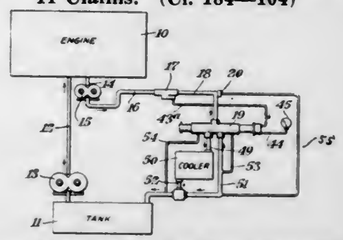
2,140,735

VISCOSITY REGULATOR

Henry B. Clarke, Grosse Pointe, Mich., and Harry T. Booth, Glencoe, Ill., assignors, by mesne assignments, to Henry R. Gross, Chicago, Ill.

Application April 13, 1935, Serial No. 16,134

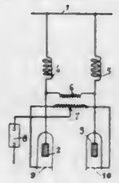
11 Claims. (Cl. 184—104)



1. In combination, a dry sump engine, an oil tank, a pump for withdrawing oil from the engine sump, an oil path leading from said pump to said tank, a cooler in said path, a relief valve in said path between said pump and cooler, a by-pass around said cooler having one end joining said path between said relief valve and cooler, a chamber having an inlet port and an outlet port of which one is a friction tube and the other is

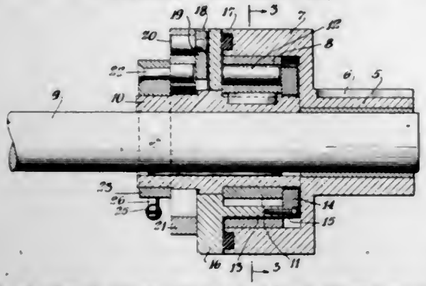
an orifice, said chamber having its inlet port communicating with said oil path between said pump and relief valve, means for regulating the oil pressure in said chamber as a function of its viscosity, and valve means responsive to the oil pressure in said chamber for regulating flow through said cooler.

2,140,736
ARRANGEMENT OF TWO OR MORE ANODES FOR RECTIFIERS PROVIDED WITH CONTROL ELECTRODES
Marcel Dementvignier, Suresnes, France, assignor to Hewittic Societe Anonyme, Suresnes, France, a corporation of France
Application December 3, 1932, Serial No. 645,633
In France December 23, 1931
7 Claims. (Cl. 175—363)



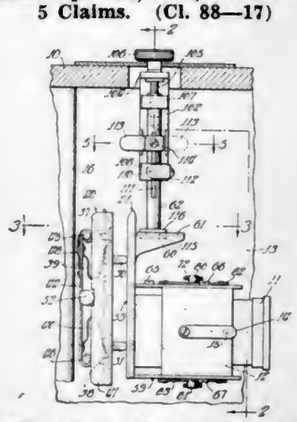
3. In an electric translating system, the combination with a source of electric current, electric valve means comprising a plurality of anodes and a plurality of control electrodes severally associated with said anodes, and means comprising a first plurality of windings severally connecting said anodes with said source of current, of means comprising a second plurality of windings severally connected with said control electrodes and operable to excite the latter in such sense as to continually render the said anodes simultaneously conductive for the flow of current from said source by way of the said first plurality of windings, and means inductively coupling each winding of the said first plurality thereof with all of the said second plurality of windings to thereby additionally excite said control electrodes upon the occurrence of the initiation of said flow of current through any one of said anodes.

2,140,737
CLUTCH
Richard Griffith Dickens, Elmira Heights, N. Y., assignor to The Hilliard Corporation, Elmira, N. Y., a corporation of New York
Application December 17, 1936, Serial No. 116,275
7 Claims. (Cl. 192—27)



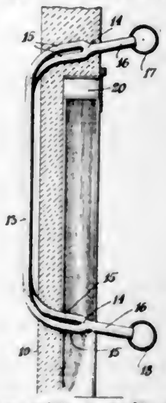
1. A clutch including a shaft, a sleeve secured to said shaft, a cam secured against movement with respect to said sleeve, a casing inclosing said cam, a rotatable element interposed between said cam and the inner face of said casing and to be forced by the former into coupling contact with the latter, a lever pivotally mounted with respect to said sleeve and presenting a short and a long arm, means connecting the short arm of said lever to said element to shift the same into inoperative position, and means cooperating with the long arm of said lever to constantly urge said rotatable element into a position at which it operatively engages the surfaces of both said cam and casing.

2,140,738
FILM GATE AND FRAMING MECHANISM
Charles L. Fitz, Chicago, Ill., assignor to Herman A. De Vry, Inc., Chicago, Ill., a corporation of Illinois
Application April 18, 1936, Serial No. 75,093
5 Claims. (Cl. 88—17)



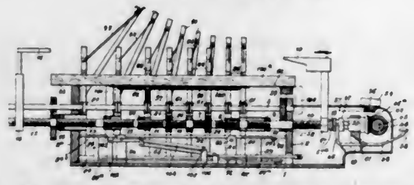
3. In a film gate mechanism for motion picture machines, a frame, a pair of film gate members, a support for one of said members, means mounting said support on said frame for movement toward and away from the other gate member, and means removably mounting the other gate member comprising a mounting plate, spring means thereon supporting the gate member, spaced posts projecting from said frame, said mounting plate having portions slidable on said posts.

2,140,739
TUBULAR UNIT FOR WATER WALLS OR THE LIKE
Herbert Frank, Kassel-Wilhelmshohe, Germany, assignor to The Superheater Company, New York, N. Y.
Application January 30, 1937, Serial No. 123,189
In Germany February 5, 1936
4 Claims. (Cl. 122—235)



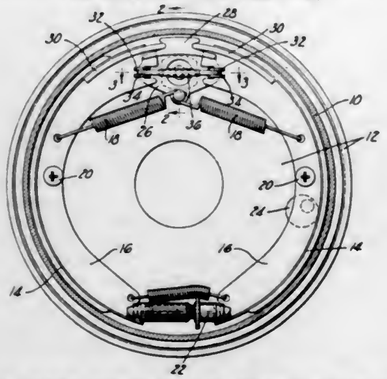
1. In combination with a wall of a furnace or the like; a cooling screen therefor comprising a plurality of fluid circulating tubes disposed alongside each other in a row parallel to the inner surface of the wall and having portions near their ends projecting through said wall, said tube portions at at least one end of the tubes of each pair of adjacent tubes being bent at an angle to the portions thereof which line said wall and disposed in superposed relation in a vertical plane perpendicular to that of said wall surface so that the aperture formed in said wall for projecting said tube portions therethrough is of a width corresponding approximately to the diameter of a tube.

2,140,740
MEASURING APPARATUS FOR BOOT AND SHOE MAKERS
Bruno Giuntini, Alger, France
Application October 21, 1936, Serial No. 106,808
In France October 26, 1935
7 Claims. (Cl. 33—3)



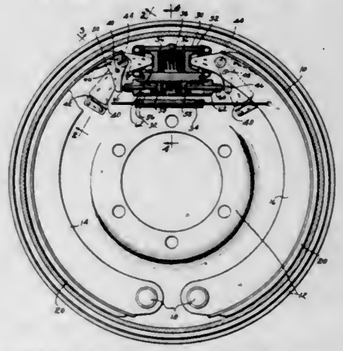
1. An apparatus for taking measurements of the foot, for use by boot and shoe makers, comprising a support, movable means mounted thereon for engaging the foot lengthwise, for elevating the heel, and for engaging the arch, the outline and the upper part of the foot, actuating shafts operatively connected to said movable means, indicators connected to said actuating shafts and showing the actual positions of the movable means actuated by said actuating shafts, a driving shaft and transmissions rotatably mounted in said support and adapted to transmit rotation from said driving shaft to each of said actuating shafts, each of said transmissions including a normally disengaged clutch, and means for selectively engaging the said clutches.

2,140,741
BRAKE
Rudolph A. Goepfrich, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application May 4, 1936, Serial No. 77,660
14 Claims. (Cl. 188—78)



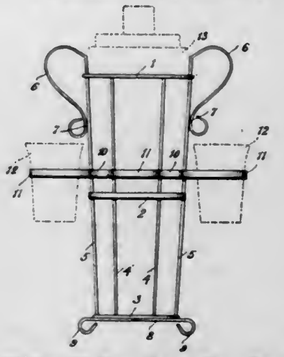
1. A brake comprising a backing plate having mounted thereon a pair of connected shoes each formed with a web and with a rim projecting beyond the end of the web at the unconnected end of its shoe, an anchorage device mounted on the backing plate and having a part between and engaged by said projecting rims and serving as the brake anchor and having a second part constructed to cooperate with the shoe webs in supporting a brake-applying device, and a brake-applying device supported by said second part and by the shoe webs and acting on the shoe webs to apply the brake and which comprises a force-transmitting medium acting at right angles to the backing plate.

2,140,742
BRAKE
Rudolph A. Goepfrich, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application January 30, 1937, Serial No. 123,188
9 Claims. (Cl. 188—79.5)



1. A vehicle having a driver's seat, wheel brakes, means operable from the driver's seat for applying the brakes, means for adjusting each of the brakes for wear, and hydraulic means having connections extending from a point adjacent to the driver's seat independently of the applying means and operable to actuate the several adjusting means simultaneously when the brakes are applied by the applying means.

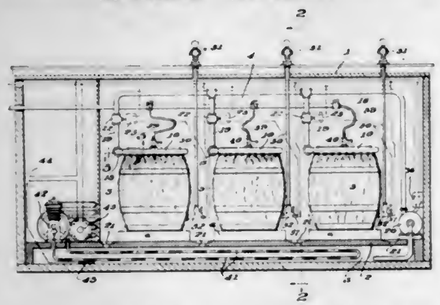
2,140,743
HOLDER FOR BEVERAGE RECEPTACLES
Leo A. Heymann, New York, N. Y.
Application January 8, 1938, Serial No. 184,019
3 Claims. (Cl. 211—74)



1. An article of the character described comprising a central frame forming a cage-like holder for a beverage receptacle, said holder having a plurality of vertically extended braces,

a continuous member extending completely around the holder and attached at spaced points to said braces and forming a rigidifying member, said member being formed with a plurality of loops extending laterally from the holder, each of said loops being shaped to receive and support a drinking glass.

2,140,744
BEER COOLING AND DISPENSING APPARATUS
Sylvan R. Hirsch, Utica, N. Y., assignor to Carbondale Machine Corporation, Harrison, N. J., a corporation of New Jersey
Application February 4, 1937, Serial No. 124,092
20 Claims. (Cl. 62—7)



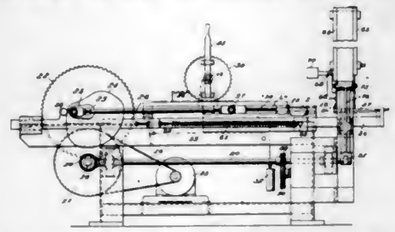
4. The method of cooling brew which consists in setting up in dispensing position a transportation container for brew, chilling the brew by showering a chilled cooling liquid over the outside of the container, and controlling the showering of said cooling liquid over the container by the temperature of brew in the container.

2,140,745
CELLULOSE DERIVATIVE COMPOSITION AND PROCESS FOR PREPARING SAME
Robert T. Hucks, South River, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 22, 1936, Serial No. 91,965
15 Claims. (Cl. 134—79)

15. The process of preparing cellulose derivative compositions which consists in the improvement of first preparing an intermediate by mixing a water-wet cellulose derivative and a water-wet pigment with an organic liquid which is a non-solvent for the cellulose derivative and has preferential wetting power over water for wetting the pigment and which is compatible with the finished coating composition, continuing the mixing until the mass is uniform and without substantial change in its physical condition, and thereafter colloiding the cellulose derivative by mixing therewith a substantially non-volatile water-repellent liquid cellulose derivative colloiding agent, and removing all of the water in the mass in excess of about 3% before mixing volatile solvents therewith.

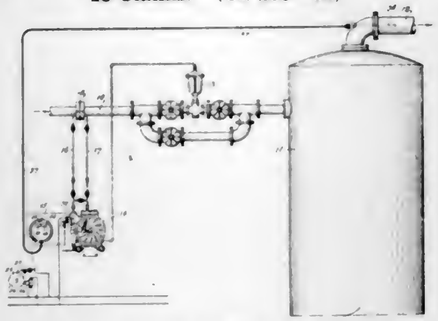
2,140,746
METHOD OF AND MEANS FOR PACKAGING ELECTRIC BLASTING CAPS
Daniel D. Huyett, Wilmington, Del., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
Application April 18, 1936, Serial No. 75,170
19 Claims. (Cl. 86—1)

1. A machine of the character described, comprising in combination a supporting frame which includes a fixed, horizontal frame member, a crosshead slidably mounted with respect to said frame member, a plurality of tamps carried by said crosshead, a row of dies tapered to compress blasting cap assemblies thrust through them, a carrier seat formed between said dies and the tamps upon the frame, a bodily removable carrier comprising a group of tubes shaped and dimensioned to receive detonator assemblies which align with said dies when the carrier is placed upon its seat and uniting means for said



tubes, a magazine shaped and dimensioned to receive open ended container tubes and having an open bottom, a feed table upon which the lowermost tubes are received, means for moving the table to and from the dies, means upon the table for engaging the rear ends of the tubes to support them against the rear thrust of the tamps, and means engaging said tubes and holding them against rearward movement with the table whereby the tubes are discharged from the table upon rearward movement of the latter.

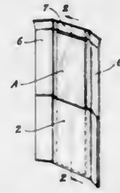
2,140,747
TEMPERATURE OR PRESSURE CONTROL BY FLOW REGULATION
Lawrence C. Irwin, Brooklyn, N. Y., assignor to Charles J. Tagliabue Mfg. Co., Brooklyn, N. Y., a corporation of New York
Application January 16, 1933, Serial No. 651,972
18 Claims. (Cl. 236—84)



1. An arrangement for the control of a physical condition in an apparatus under control, comprising means sensitive to changes in said physical condition and arranged to respond to fluctuations in said condition in such apparatus, electric contact mechanism operatively associated with said sensitive means and comprising high and low contacts adapted to be set for the limits within which the said condition at the place under control is to be maintained, a conduit associated with said apparatus, a valve in said conduit, a flow controller associated with the valve for adjusting the position of the same to compensate for fluctuations in the rate of flow of the fluid flowing through the conduit, and means controlled by the contact mechanism for varying the setting of the flow controller corresponding to

the full correction for fluctuations in said condition to cause suitable adjustment of said valve when the condition at the place under control reaches or exceeds the predetermined limits to maintain said condition within such limits.

2,140,748
WRAPPER FOR CHEWING GUM
Axel E. Johanson, Chicago, Ill.
Application January 23, 1936, Serial No. 60,361
5 Claims. (Cl. 229—87)



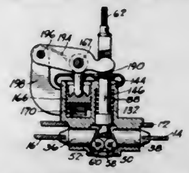
1. A wrapper for an oblong stick of chewing gum, said wrapper comprising a rectangular piece of sheet material folded parallel to the shorter edges thereof to form a pocket for approximately one-half the length of the stick, the width of said wrapper being greater than the width of the stick so as to provide side portions extending beyond the long edges of the stick, and said wrapper being of sufficient length so as to provide an end portion extending beyond the end of the stick, said side portions and end portion being adapted to be folded to provide a complete overlapping closure for the full stick, and said pocket serving as a receptacle for a half stick or the gum after being chewed, the portion of said wrapper which extends beyond the pocket being adapted to be folded over the pocket to close the latter when used as such a receptacle.

2,140,749
CAPPED NAIL
Robert Kaplan, Chicago, Ill., assignor to Filshie Lead Head Nail Company, Inc., Chicago, Ill., a corporation of Illinois
Application August 5, 1936, Serial No. 94,303
11 Claims. (Cl. 85—28)



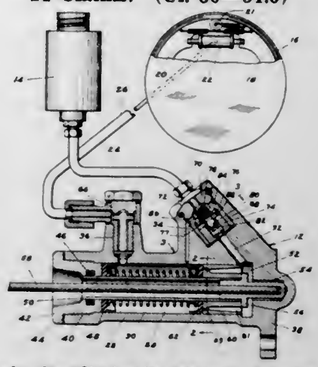
1. A capped nail comprising a shank, a cap of relatively soft metal superimposed thereon, and a coat about the head and shank within and beyond said cap, said coat being adhesive and securing the cap to the head, and being transparent about the shank to reveal the nature of the surface of the shank, said coat being dry at atmospheric temperatures and adapted to be softened to a tacky state by the heat developed between said coat and the material in which it is embedded, during the driving of the nail therein, to thereafter firmly adhere thereto and adhesively secure substantially the full length of the shank therein upon subsequent hardening of the coat.

2,140,750
BRAKE
Victor W. Kliesrath, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application January 28, 1938, Serial No. 187,351
11 Claims. (Cl. 188—106)



1. A brake comprising a drum, a pair of shoes, an actuating member having a portion positioned between said shoes and having a bore extending through said portion, a pair of plungers positioned in said bore, each of said plungers being formed with an inclined inner end and having its outer end in operative engagement with one of said shoes, a pair of rollers arranged to contact with the inner ends of said plungers, and a plurality of means for moving said rollers along said inclined surfaces for forcing said plungers outwardly and moving said shoes into drum contact, one of said means being mechanical and the other means being hydraulic.

2,140,751
HYDRAULIC BRAKE
Ludger E. La Brie and Joseph R. Heidloff, Detroit, Mich., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application March 18, 1933, Serial No. 661,613
Renewed May 25, 1938
14 Claims. (Cl. 60—54.6)



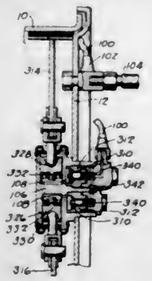
1. In a hydraulic brake system, a cylinder having a forward end and a rearward end, the latter forming a rearward cylinder head, having an outlet opening positioned adjacent to said forward end, and having an inlet passage positioned adjacent to but forward of said rearward cylinder head, and formed with a separate passage leading from said inlet passage to the interior of said cylinder forward of said inlet passage but also adjacent to said rearward end, a reservoir connected to said inlet passage, a valve device associated with said inlet passage including two oppositely opening spring pressed check valves arranged so as to permit unrestricted flow through said inlet passage from the reservoir to the cylinder and restricted flow from the cylinder to the reservoir and comprising means for preventing the return of liquid through said inlet passage to said reservoir except when the liquid

is under a pressure in excess of a predetermined amount while allowing substantially free passage of liquid from said reservoir through said inlet passage and substantially free passage of liquid in both directions to and from said reservoir through said separate passage, and a piston in said master cylinder normally positioned forward of said inlet passage and between said inlet passage and said separate passage so as to form a variable volume chamber between said cylinder head and said piston upon movement of the piston, the piston being arranged to be moved forward over said separate passage toward said outlet opening.

2,140,752
BRAKE

Ludger E. La Brie, South Bend, Ind., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois

Original application April 23, 1931, Serial No. 532,265. Divided and this application May 31, 1935, Serial No. 24,388
13 Claims. (Cl. 188—152)

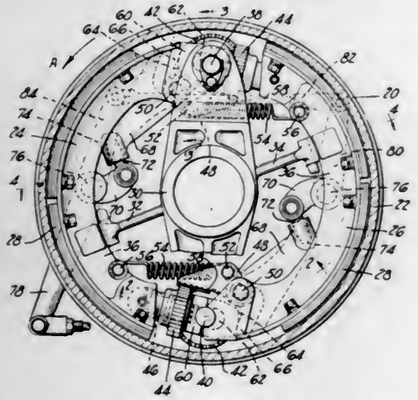


1. A brake comprising a pair of shoes, two fluid pressure applying devices acting on said shoes, said shoes anchoring on said applying device in braking and means for trapping fluid in said devices through which the anchoring torque of the shoes is transmitted to said devices.

2,140,753
BRAKE

Ludger E. La Brie, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana

Application September 7, 1935, Serial No. 39,511
17 Claims. (Cl. 188—78)



1. A vehicle brake having a backing plate, a brake drum, a pair of diametrically opposed anchor members rotatably mounted in the backing plate, a pair of symmetrical brake shoes adapted to engage the anchor members at one end, a pair of adjusting links having lost motion slots adapted to receive the anchor members, connecting means between the adjusting links and one end of the brake shoes, a pair of symmetrical cam actuating members pivotally mounted on the brake shoes and adapted to engage one end of the adjusting links, means to actuate the cam members, and means interconnecting said rotatable anchor members with said adjusting links so constructed and arranged that rotation of the anchor members adjusts the brake.

2,140,754
PRINTING SOLUTION

Felix Lauter, Evanston, Ill., assignor to Sealkote Corporation, Chicago, Ill., a corporation of Delaware

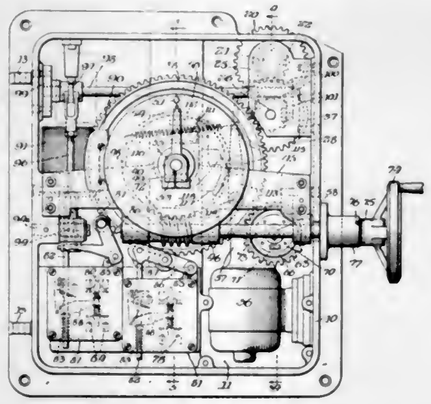
No Drawing. Application December 7, 1935, Serial No. 53,432
2 Claims. (Cl. 134—35)

1. A marking composition for paper consisting of from about three to about 3.5 parts by weight of an aromatic hydrocarbon of the benzene series of the group consisting of benzol or toluol, about two parts of a vegetable oil, about three parts gum spirits of turpentine, and about three to 4.5 parts of a solvent of the group consisting of methyl or ethyl alcohol.

2,140,755
AUTOMATIC CONTROLLING APPARATUS FOR STRIP FEEDING MECHANISM

Frederick M. Littell, Chicago, Ill., assignor to F. J. Littell Machine Company, Chicago, Ill., a corporation of Illinois

Application December 13, 1937, Serial No. 179,459
13 Claims. (Cl. 33—132)

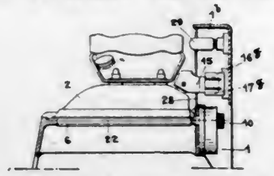


10. A measuring device for controlling the operation of mechanism for feeding strip material including a member adapted to be moved in one direction by said mechanism proportional to the feeding of said material, means positioned for successive actuation by said member during movement thereof including means operative to reduce the speed of said mechanism whereby the feeding of said material takes place at a slower speed, and means for stopping said mechanism.

2,140,756
SUPPORT FORMING CURRENT INTAKE WITH AUTOMATIC ADJUSTMENT OF TEMPERATURE FOR ELECTRIC HEATING APPARATUS

Jean Lobstein, Paris, France

Application September 11, 1937, Serial No. 163,368
In France September 26, 1936
4 Claims. (Cl. 219—25)

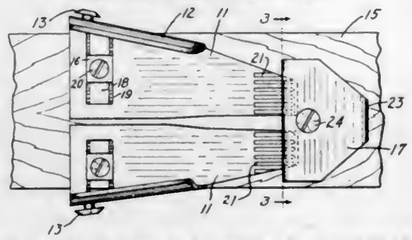


1. In a support forming current intake with automatic adjustment of temperature for electric heating apparatus, in combination: a frame made of incombustible material of right-angled shape the horizontal portion of which forms a platen comprising a recess, a current intake mounted on the vertical portion of said frame and adapted to receive the corresponding part of a current intake mounted on said apparatus, a thermic contact-maker arranged in said recess of the platen and a metal plate obturating said recess and constituting the control member of said thermic contact-maker, said plate being in contact with the electric heating apparatus when it rests on the platen of said support.

2,140,757
SKI BINDING

Marcellus S. Merrill, Denver, Colo.

Application December 17, 1935, Serial No. 54,802
9 Claims. (Cl. 280—11.35)



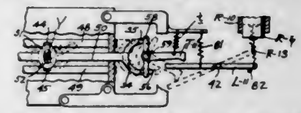
1. In a ski binding structure, in combination, a pair of toe plates each provided with a transverse slot in the rear portion of the plate, locking means cooperating with said slots and adapted to permit lateral adjustment of the plates and to lock the plates to the ski in adjusted position and a binding plate attached to the ski and engaging the forward ends of the toe plates and having means interengaging with the toe plates for permitting independent longitudinal movement and lateral adjustment of, and for locking against lateral movement, the forward ends of the toe plates.

2,140,758
TRANSMISSION MEANS

Robert McWade, Jr., Westwood Village, and Lamar Lyndon, Los Angeles, Calif., assignors to Bendix Products Corporation, South Bend, Ind., a corporation of Delaware

Original application June 7, 1932, Serial No. 615,802. Divided and this application October 20, 1936, Serial No. 106,690
10 Claims. (Cl. 192—3.5)

1. A power system having a motor, a driven shaft, a clutch between the motor and the driven shaft, selective transmission gear means for changing the torque delivered to said shaft, fluid operated means for actuating said clutch, self-lapping means for controlling said clutch-actuating means, and manual means for actuating said selective transmission gear means and the controlling device.



2,140,759
METHOD FOR DRESSING, TREATING, AND FINISHING FURS

Oscar F. Muller, Glen Ridge, N. J., assignor to Dri-Wear, Inc., New York, N. Y., a corporation of New York

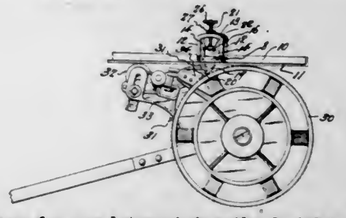
No Drawing. Application January 28, 1938, Serial No. 187,430
6 Claims. (Cl. 149—28)

5. A method of treating furs by immersing same in a colloidal emulsion of wax containing phthalic acid and formaldehyde in uncombined form, heating the fur in contact with the solution until the synthetic plastic is fixed upon the fur fibres, then brushing and ironing said fur.

2,140,760
MEANS FOR ADJUSTING CUTTING HEIGHTS OF LAWN MOWERS

Karl Ostberg, Springfield, N. J.

Application May 21, 1937, Serial No. 143,929
4 Claims. (Cl. 33—185)



3. Means for predetermining the height setting of a lawn mower bed-knife relative to the traction plane of the mower drive wheels and traction roller comprising, a bridging means of a length exceeding the distance between a mower drive wheel and traction roller and adapted to be applied to the peripheries of the latter in supported bridging extension therebetween, a slideway frame affixed to said bridging means intermediate its ends and perpendicular thereto, a gauge plate movable in said slideway and projectable beyond the bottom face of said bridging means, a gauge plate adjusting screw threaded through the head of said slideway frame, a swivel connection between said screw and said gauge plate, said gauge plate having a laterally projecting bed-knife engaging gauge finger at its projected free end, and said slideway frame and gauge plate having cooperative setting scale means.

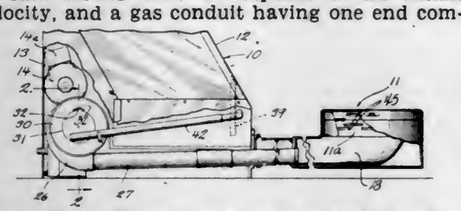
2,140,761
DRAFT CONTROL FOR FUEL BURNERS

William W. Peck, Muncie, Ind.

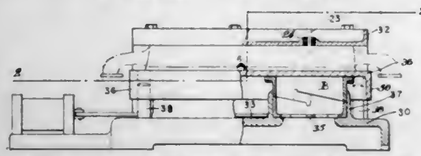
Application August 26, 1935, Serial No. 37,820
1 Claim. (Cl. 110—45)

A coal stoker comprising in combination, a coal retort having a combustion draft passage and a coal feed passage, a coal container connected with said coal passage and having a portion thereof adjacent to the inlet of said coal passage partitioned off to form a gas receiver, a power driven blower having its outlet connected to said

combustion draft passage, a damper mechanism for the inlet of said blower, including a damper support, a damper member pivotally depending from said support obstructively into the inlet of said blower and automatically adjustable about its pivotal axis to vary the degrees of obstruction of said blower inlet in response to air intake velocity, and a gas conduit having one end communicating with said gas receiver and its other end disposed for discharge of gas therefrom into the inlet of said blower on the atmospheric side of said damper, the latter end of said gas conduit being in opposed relation to said damper member and partially obstructed thereby so that movement of said damper member changes the degree of obstruction of said conduit.



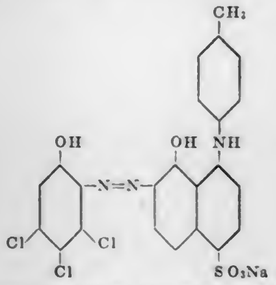
2,140,762
JIG
Joseph S. Pecker, Philadelphia, Pa.
Application April 27, 1936, Serial No. 76,658
8 Claims. (Cl. 77—62)



1. A jig comprising, a base structure, a plurality of upper and lower cylindrical co-acting cam-units, said cam units having inclined abutting end surfaces a work-table carried by said upper cam-units and adapted to support a work-piece, and a single actuating device common to said lower cam-units for simultaneously operating the latter to raise or lower said upper cam-units and said work-table.

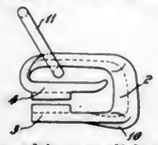
2,140,763
GREEN ORTHOHYDROXYAZO DYES
Max Raeck, Dessau-Haideburg, in Anhalt, and Werner Keller, Dessau, in Anhalt, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application February 12, 1936, Serial No. 63,640. In Germany May 10, 1933
2 Claims. (Cl. 260—198)

1. The new azo dye which corresponds to the formula



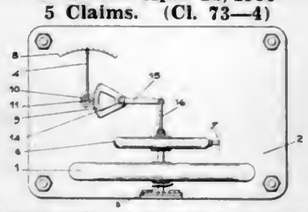
said dye dyeing wool in the presence of a metachrome mordant clear bluish-green tints of excellent fastness to light.

2,140,764
METHOD OF AND BLANK FOR MAKING SLIDERS FOR SLIDING-CLASP FASTENERS
Bruno Reiter, London, England, assignor to Ingenium Aktiengesellschaft, Chur, Switzerland
Application August 31, 1935, Serial No. 38,675
9 Claims. (Cl. 29—148)



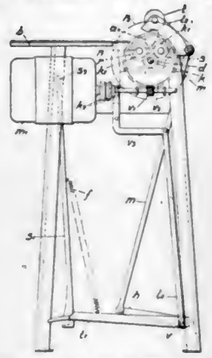
1. Method of making a slider for sliding-clasp fasteners comprising the steps of forming a strip of metal comprising end portions connected by a middle portion, turning the side edges of one of the end portions upwards and those of the other end portion downwards and turning one end portion through about 360° to bring the said upturned edges face to face with said downturned edges.

2,140,765
HYSTERESIS COMPENSATED PRESSURE MEASURING DEVICE
Jean-Léon Reutter, Paris, France, assignor to Société Anonyme : Etablissements Ed. Jaeger, Levallois-Perret (Seine), France
Application March 30, 1937, Serial No. 133,775
In France April 14, 1936
5 Claims. (Cl. 73—4)



1. In a measuring apparatus, in combination: a fixed support, a movable member responsive to the variable to be measured and taking a bearing on said support, a box containing fluid having at least one movable wall and an orifice for checking the flow of said fluid to and from said box, means for coupling said movable member to said movable wall and indicating means adapted to obey the resulting movement of said movable wall and member.

2,140,766
DEVICE FOR PACKING SEALING DISKS
Gunnar Rooth, Linkoping, Sweden
Application July 7, 1937, Serial No. 152,316
In Sweden July 11, 1936
4 Claims. (Cl. 93—2)



1. An apparatus for packing sealing disks used

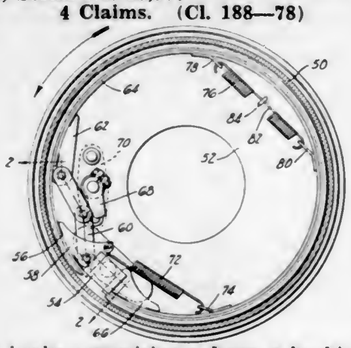
in bottle cap shells, comprising slightly spaced supporting rollers upon which a row of disks are placed, mechanical means to drive said rollers, an overhead roller movable into rolling contact with the disks to guide wrapping material over and against the disks beyond the rollers and to be moved away from the disks before being wrapped to permit inspection thereof and again after wrapping to remove the package and manually operative means to move the overhead roller.

2,140,767
SHOCK ABSORBER CONTROL MECHANISM
Roy S. Sanford, New York, N. Y., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application November 21, 1935, Serial No. 50,830
13 Claims. (Cl. 188—87)



1. A vehicle having a frame, an engine, front and rear wheels, shock absorbers interposed between the wheels and the frame, means to vary the resistance of the shock absorbers, and means operated by engine oil pressure and manifold vacuum to control the resistance of the shock absorber.

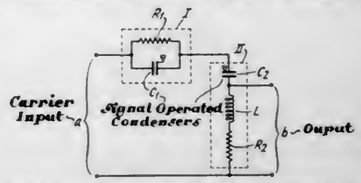
2,140,768
BRAKE
Roy S. Sanford, New York, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Original application July 8, 1932, Serial No. 621,445, now Patent No. 2,078,210, dated April 20, 1937. Divided and this application July 6, 1936, Serial No. 88,977
4 Claims. (Cl. 188—78)



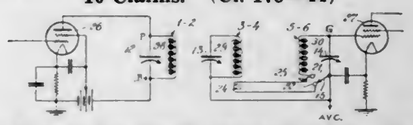
1. A brake comprising a drum, a backing plate, an anchor thereon, a flexible band friction shoe having one end engaging said anchor and its other end free, a second band within said friction shoe having one end anchored upon the reverse side of said anchor, and means to thrust the other end of said second band away from said anchor to actuate the said brake.

2,140,769
AMPLITUDE AND PHASE MODULATION
Rudolf Schienemann, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany, a corporation of Germany
Application April 30, 1937, Serial No. 139,993
In Germany May 6, 1936
4 Claims. (Cl. 179—171)

2. In a system for varying the amplitude of wave energy at signal frequency, a network including parallel resistance and capacity, a second network comprising series capacity and inductance connected in series with said first named network, means for applying wave energy to the free terminals of said networks, means for deriving wave energy from said series network and means for varying the first of said capacities at signal frequency to produce amplitude modulation of said wave energy.

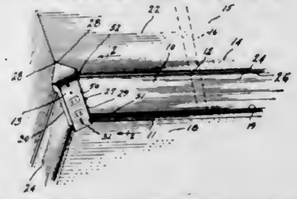


2,140,770
ELECTRICAL COUPLING DEVICE
Bernard R. Schofield, Chicago, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application May 19, 1937, Serial No. 143,571
10 Claims. (Cl. 178—44)



1. A high-frequency resonant system including plural resonant circuits each having a capacitor and an inductor and adjustable to a desired frequency, two windings connected in series, and a switch for inserting said windings in series with the inductor in one of said circuits, said windings being inductively so related to said inductors that by operation of said switch the coupling between two of said circuits may be changed while maintaining the effective inductance values in each of said circuits substantially unchanged.

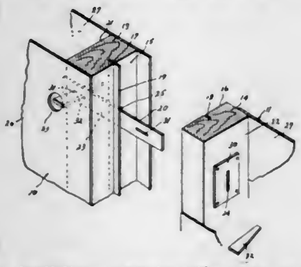
2,140,771
BUILDING CONSTRUCTION
Games Slayter and Howard W. Collins, Newark, Ohio, assignors, by mesne assignments, to The Ingleside Company, Newark, Ohio, a corporation of Ohio
Application May 17, 1937, Serial No. 143,201
6 Claims. (Cl. 20—74)



3. In a building construction, a floor, two intercepting prefabricated wall sections defining a corner, each of said sections having wall board spaced from the floor, electrical conductors and outlet boxes located in the sections between the floor and the wall boards, means for concealing said conductors and outlet boxes, including base panels extending along the bottom of each wall concealing a portion of said wall board and having adjacent edges spaced from each other, a cap removably engaging the wall board and the paneling, and a plate at the corner extending

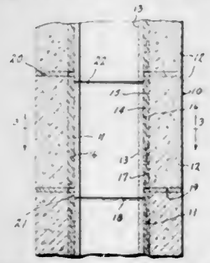
diagonally between adjacent edges of the base panels to conceal the same, and to act as a face plate for the outlet box.

2,140,772
SPLINE AND CONNECTER
Games Slayter and Howard W. Collins, Newark, Ohio, assignors, by mesne assignments, to The Ingleside Company, Newark, Ohio, a corporation of Ohio
Application May 17, 1937, Serial No. 143,202
3 Claims. (Cl. 20—1)



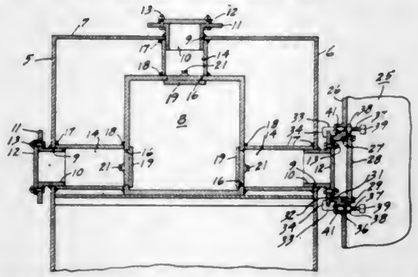
2. In a building construction, a pair of preformed building sections, each comprising spaced panel elements, structural members between said panel elements and at the edges thereof, means for securing said sections together comprising a key located between the adjacent sides of the members extending substantially the length of said member to prevent relative movement of the members in one direction, a connecter extending through said structural members in a direction transverse to the key, and means extending transverse of said building sections and through said connecter and abutting said structural elements for clamping the latter together, one of said panel elements having small openings therein provided for the insertion of said clamping means therethrough and into the space between said panel elements.

2,140,773
FLUE
Games Slayter and Howard W. Collins, Newark, Ohio, assignors, by mesne assignments, to The Ingleside Company, Newark, Ohio, a corporation of Ohio
Application May 17, 1937, Serial No. 143,204
3 Claims. (Cl. 72—94)



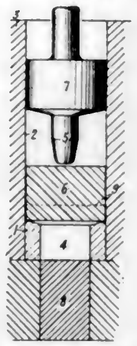
3. A preformed sectional flue unit comprising a flue block having a passage therethrough, a frangible lining also having a passage therethrough and disposed within the first mentioned passage, the cross section of said lining member being less than that of said first mentioned passage, and a resilient fireproof filler within the space between said block and said lining to resiliently support said lining member within said block member.

2,140,774
SHIP CONSTRUCTION
John M. Sponsler, Birmingham, Ala.
Application August 11, 1937, Serial No. 158,482
1 Claim. (Cl. 114—0.5)



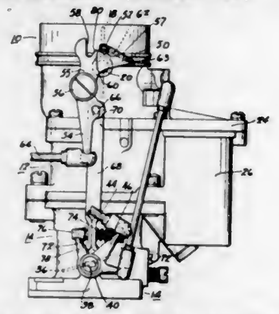
The combination with a ship having a hull and deck, of a water-tight safe disposed in spaced relation to the hull and deck of the ship and having a plurality of openings formed therein, safe doors provided with locks operable from the outside of the safe and having a water-tight contact with their respective openings, means defining openings located on opposite sides of the hull of the ship, water-tight closure members for said hull openings, means accessible from the outside of the hull of the ship for removing said closure members from said hull openings, means defining a water-tight passageway connecting each safe opening with its respective hull opening to provide several independent means of access from the outside of the hull of the ship to the interior of the safe, and means provided at each hull opening for a water-tight attachment of a diving bell.

2,140,775
METHOD FOR THE PRODUCTION OF AMMUNITION SHELLS
John Burrell Talbot-Crosbie and Arthur Penrhyn Stanley Macquisten, Glasgow, Scotland
Application March 8, 1938, Serial No. 194,592
In Great Britain February 22, 1937
1 Claim. (Cl. 29—1.21)



The method of producing an ammunition shell in a continuous operation which comprises placing a billet from which the shell is to be made and which is thicker than the base of the shell to be formed over a die chamber having a bottom adapted to be temporarily closed with the grain of the metal of the billet disposed noncollinearly with the axial direction of the die chamber, forging said billet into said die chamber while said bottom is temporarily closed to form in the lower part of said die chamber an intermediate product having a consolidated base portion with the grain of the metal of said portion non-collinear with the axial direction of said die chamber, and extruding said intermediate product from said die chamber to form the final product of the operation with the grain of the metal of the base portion thereof extending non-collinearly with the axis of said final product, whereby said base portion is substantially non-porous in its axial direction, the thickness of the central portion of the billet during said forging and extruding being reduced to the thickness of the base of said final product.

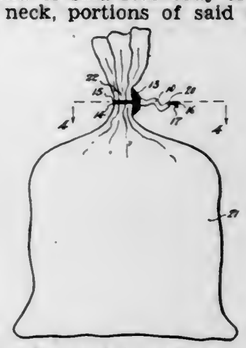
2,140,776
CARBURETOR
Milton A. Trisler, Dearborn, Mich., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application December 5, 1934, Serial No. 756,031
13 Claims. (Cl. 261—52)



5. In a carburetor having an air-horn section forming an air inlet passage, an unbalanced choke valve controlling the flow of air into the air inlet passage, a shaft therefor, a carbureting passage, a throttle valve controlling the carbureting passage, a shaft therefor, yielding means urging the throttle valve toward the closed position, an arm having a laterally extending ear fixed to the choke shaft, means including a lever pivotally mounted on the air-horn section and engaging said laterally extending ear to actuate the choke valve, stop means carried by the lever to limit the movement of the choke valve in both directions, yielding means connecting the ear to the lever to urge the choke valve toward the closed position, a stop member fixed to the throttle shaft, a link pivotally mounted on the throttle shaft and engaging said lever, a lost motion connection between the link and lever, an adjustable stop member carried by said link and adapted to engage the stop member fixed to the throttle shaft, and means to actuate said lever to close the choke valve and to progressively move the throttle valve from closed position as the choke valve progressively moves toward the closed position and to permit the throttle valve to be progressively returned to the closed position as the choke valve is progressively moved toward the open position.

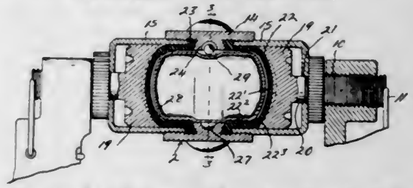
2,140,777
BAG SEAL
Henry L. C. Wenk, Jr., Jamaica, N. Y.
Application August 12, 1938, Serial No. 224,469
5 Claims. (Cl. 292—308)

1. A bag seal comprising, a deformable seal body having tie cord passages, a tie cord extending through said passages so as to form constrictive bag neck encircling loop means extending from the inner end of said seal body, and a tensionally compressible means projecting from the inner end of said seal body to abut an engaged bag neck, portions of said tie cord loop



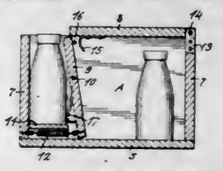
means being disposed to extend exteriorly over said latter means from said seal body.

2,140,778
HYDRAULIC BRAKE
John William White, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Continuation of applications Serial No. 663,085, March 27, 1933, and Serial No. 54,418, December 14, 1935. This application July 24, 1937, Serial No. 155,560
20 Claims. (Cl. 188—152)



1. An hydraulic unit for actuating a brake mechanism including a hollow member provided with an annular shoulder therein, a cupped cylinder member having its open end externally threaded to engage corresponding internal threads in said hollow member, a flexible cup having a cylindrical portion, a dome-shaped end portion and a flange at the opposite end, clamped between said cupped cylinder member and said annular shoulder, a piston within said cupped cylinder having a concave face fashioned to conform to the external surface of said flexible cup and a finger projecting from said piston out through an aperture in the end of said cupped cylinder into operative engagement with said brake mechanism.

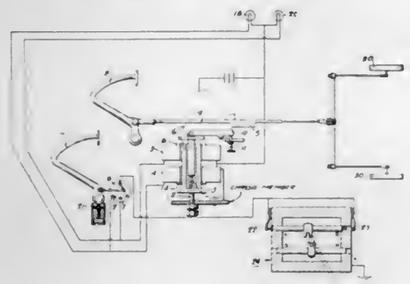
2,140,779
SELF-LATCHING MILK BOTTLE BOX
Arthur L. Willett, Denver, Colo.
Application April 25, 1938, Serial No. 204,030
3 Claims. (Cl. 232—41)



3. A self latching milk box having two compartments separated by a pivoted partition, a cover for one of the compartments, hinged to one wall of the box, the other compartment being

open, cooperating latching means carried by the under side of the cover and the upper end of the partition, the partition being pivoted at a point intermediate its ends, a spring forming a resilient connection between the partition and the box for urging the upper end of the partition towards the covered compartment, and a cam member attached to the side of the partition, below the pivot point, the cam being in the open compartment.

2,140,780
BRAKE
William A. Wimmer, Long Beach, Calif.
Application May 28, 1937, Serial No. 145,189
1 Claim. (Cl. 192—4)



For use in an automobile, in combination, a brake; means for applying said brake; means for holding the brake applied; adjustable means including an electrical circuit and means dependent on the setting of the gearshift lever and including a rack and a pawl for cooperating with said rack for controlling said holding means, said circuit being completed when the gear shifting lever is in first gear or in reverse; and means including an electrical circuit and depending on the setting of the clutch pedal for controlling the holding means; and means for limiting the return position of said pawl.

2,140,781
TREATMENT OF MEATS WITH PROTEOLYTIC ENZYMES
Hugh E. Allen, Evanston, Ill., assignor of one-half to Albert G. McCaleb, Evanston, Ill.
No Drawing. Application September 25, 1937, Serial No. 165,687
6 Claims. (Cl. 99—107)

6. A proteolytic enzyme preparation wherewith to tenderize meat, consisting of a proteolytic enzyme and the products of the acid hydrolysis of vegetable proteins.

2,140,782
ALKYLATION OF PHENOLS
James B. Arnold and Ralph P. Perkins, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application May 25, 1937, Serial No. 144,666
15 Claims. (Cl. 260—624)

1. The method of alkylating a phenol which comprises reacting the latter at a pressure not exceeding four atmospheres with an alcohol selected from the group consisting of secondary and tertiary monohydric aliphatic alcohols containing less than six carbon atoms per molecule, in the presence of a small proportion of a stable dehydration and condensation catalyst, while agitating the mixture and vaporizing water therefrom.

2,140,783
AIRPLANE CONSTRUCTION
Frank M. Bellanca, New York, N. Y., assignor to Miller-Bellanca Airplanes Limited, Montreal, Quebec, Canada, a corporation of Canada
Application August 3, 1937, Serial No. 157,100
4 Claims. (Cl. 244—13)



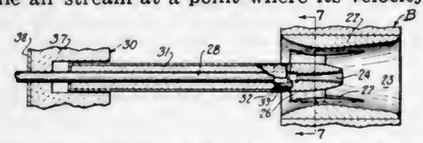
1. In an airplane the combination with a pair of spaced fuselages positioned in symmetrical relationship on opposite sides of the longitudinal axis of the plane and which axis constitutes the central line of gravity and a tail group assembly mounted between said fuselages at the rear end thereof, of means for forcibly passing the thrust, the head resistance and lift through said central line of gravity and concentrate the slipstream on said tail group assembly to increase the controllability of the plane, said means comprising a stub wing between the lower portion of said fuselages so that said fuselages project substantially above said stub wing whereby a wind tunnel is formed defined by the upper surface of said stub wing and the sides of the projecting fuselages, a tractor propeller mounted for rotation at the forward end of said stub wing and a pusher propeller mounted for rotation at the rear end of said stub wing and means for driving said propellers in opposite directions so that the torque action of the propellers will be balanced, the portion of the two fuselages at opposite sides of said stub wing being tapered fore and aft to give said wind tunnel the shape of two inverted truncated cones in section whereby the slipstream of said forward propeller is confined in a Venturilike section towards the rear to act upon said pusher propeller.

2,140,784
DIELECTRIC COMPOSITIONS
Edgar C. Britton, Gerald H. Coleman, and Luther F. Berhenke, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application November 13, 1936, Serial No. 110,578
4 Claims. (Cl. 252—1)

1. The method of preventing current leakage and flow between conducting elements which consists in interposing between the elements a dielectric material comprising a substantial proportion of a liquid chloro-olefine compound containing at least 3 carbon atoms and in which all of the hydrogen has been replaced by chlorine.

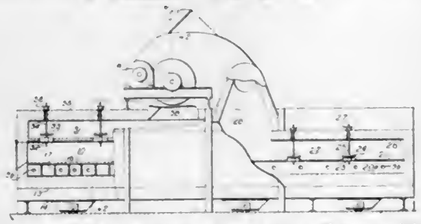
2,140,785
FIRING APPARATUS FOR FURNACES
Carroll Cone, near Toledo, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of New York
Application October 30, 1935, Serial No. 47,502
1 Claim. (Cl. 158—7)

Apparatus for delivering a stream of fuel and an enveloping stream of air to a combustion chamber comprising, in combination, a Venturi-shape firing port through which air flows from a source of supply at the mouth of the port whereby in flowing through the port its velocity first increases and then decreases, and means within said port for supplying fuel to the middle of the air stream at a point where its velocity is



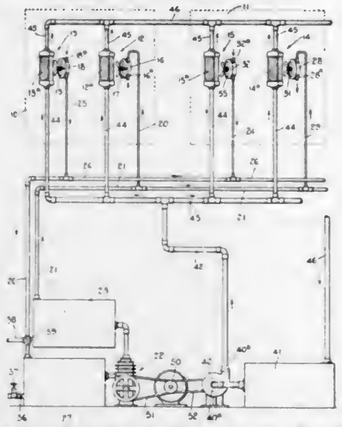
decreasing whereby intermixing of the air and fuel is retarded, said means comprising an axially adjustable fuel-discharge nozzle whose normal position is inwardly of the throat of said port.

2,140,786
GLASS ANNEALING LEHR
Carroll Cone, near Toledo, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of New York
Application March 30, 1937, Serial No. 133,863
5 Claims. (Cl. 49—47)



1. In a heat-treating apparatus, the combination of structure forming a work-treating chamber and two opposite side compartments, each compartment being in communication with the chamber through a longitudinal row of openings, and the openings of one row being longitudinally staggered with respect to the openings of the other row; and independently operable means for supplying gases to said chamber through said openings.

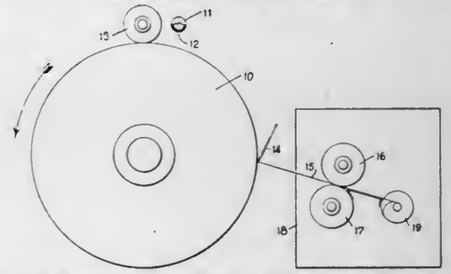
2,140,787
CONDITIONED AIR SUPPLYING AND AIR WITHDRAWING THERMAL SYSTEM
Edward S. Cornell, Jr., Larchmont, N. Y., assignor to American Radiator Company, New York, N. Y., a corporation of New Jersey
Application August 10, 1935, Serial No. 35,662
6 Claims. (Cl. 98—33)



1. The combination with a space of a building

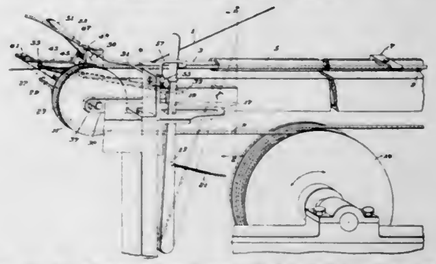
or the like, said space being defined by wall means; of thermal means disposed in such space; motor driven means disposed within said space for circulating the air of such space in thermal exchange relation with said thermal means; suction air motor means arranged for driving said air circulating means and for withdrawing air from said space; superatmospheric pressure means communicating with the interior of said space for supplying compressed air to the interior of said space; and common means for operating said suction air motor means and said superatmospheric pressure means.

2,140,788
TREATMENT OF FOOD MATERIALS
William W. Cowgill, Fairfield, Conn., assignor to Sardik Incorporated, Jersey City, N. J., a corporation of Delaware
Application June 12, 1937, Serial No. 147,893
12 Claims. (Cl. 99—199)



1. The improvement in the art of preparing a concentrated food product of reduced moisture content while preventing overheating thereof, which comprises spreading over a drying surface fresh material having incorporated therein a binding agent capable of giving tensile strength to the material after drying, subjecting the material on said surface to a drying temperature to reduce the moisture content thereof to a predetermined point, then progressively separating the material from said surface in the form of a substantially continuous film having said binding agent incorporated therein to provide said film with sufficient tensile strength to permit said film being placed under tension without breaking, and continuously pulling said film away from said surface under tension as the material is separated therefrom.

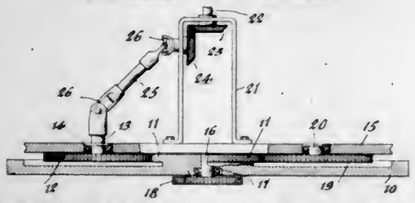
2,140,789
AXMINSTER LOOM ROPE STOP MOTION
Frank Darienzo, Amsterdam, N. Y., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn., a corporation of Massachusetts
Application September 14, 1937, Serial No. 163,792
2 Claims. (Cl. 139—336)



1. In an Axminster loom, the combination with

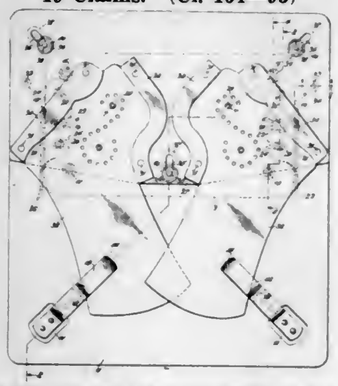
a weft inserting needle, a flexible driver for reciprocating the same into and out of the shed and a starting element adapted to start and to stop the loom, of a movably mounted member having a follower engaging the driver so that movement is imparted to the member when the driver breaks and linkage connecting the said member directly to the starting element so that the said movement of the member is imparted through the linkage to the starting element whereby to stop the loom automatically and immediately upon breakage of the driver.

2,140,790
POWER TRANSMISSION
Ira R. Davis, Buffalo, N. Y.
Application June 26, 1937, Serial No. 150,553
4 Claims. (Cl. 74—300)



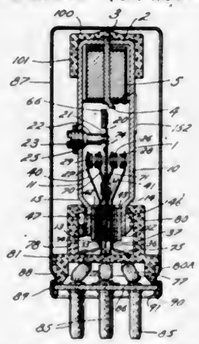
1. A power transmission mechanism, comprising a support, a gear fixed thereto, a revolving power output member mounted on said support axially of said gear and having a driven gear journaled thereon at one side of its axis of revolution and meshing with said fixed gear, a bearing bracket disposed centrally of and extending from one side of said output member, a driving shaft journaled in said bracket and having its axis of revolution in axial alinement with that of the output member, and an angularly disposed shaft operatively connected at its ends by universal joints to said driving shaft and said driven gear.

2,140,791
ORNAMENTING DIE
Carl G. Deubel, Shiremanstown, Pa., assignor to Progressive Service Company, St. Louis, Mo., a corporation of Missouri
Application April 20, 1935, Serial No. 17,429
19 Claims. (Cl. 164—93)



4. An ornamenting die comprising a base, ornamenting die elements rigid with said base, a stripper plate in operative connection with said base and supported thereby, and releasable holding members pivoted to said base and movable to and from position to hold said stripper plate in operative connection with said base.

2,140,792
VIBRATOR
Henry M. Dressel, Chicago, Kenneth C. Allison, Arlington Heights, and Edward J. Mastney, Berwyn, Ill., assignors to Oak Manufacturing Company, Chicago, Ill., a corporation of Illinois
Original application December 24, 1934, Serial No. 758,924. Divided and this application September 27, 1937, Serial No. 165,862. Renewed October 12, 1938
18 Claims. (Cl. 200—90)



1. A vibratable device comprising an elongated magnetizable member having a pole piece, a reed rigidly supported by said member at one end thereof, the free end of said reed carrying an armature and being disposed adjacent said pole piece, a magnetizing coil carried by said member and reed and connected to said coil to energize the vibrator, a means for supporting said vibrator structure comprising a soft rubber cup, into which an end of said vibrator structure rests, said rubber cap having a protruding annular flange extending therefrom, and means for rigidly clamping the peripheral portion of said flange.

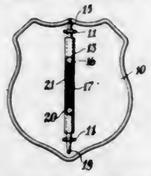
2,140,793
TREATMENT OF SOYA BEAN OIL
Albert K. Epstein, Harold L. Reynolds, and Myron L. Hartley, Chicago, Ill.; said Hartley assignor to said Epstein and said Reynolds assignor to The Emulsol Corporation, Chicago, Ill.
No Drawing. Application July 29, 1937, Serial No. 156,344
20 Claims. (Cl. 260—420)

1. In a method of improving soya bean oil, particularly with respect to extending its pre-reversion period, the steps which comprise mixing said oil with not substantially in excess of 0.5% of an aliphatic polyhydroxy substance, based on the weight of the oil, and heating the resulting mixture under reduced pressure at sufficiently high edible oil deodorization temperatures for a length of time sufficient to drive off undesirable constituents.

2,140,794
TREATMENT OF SOYA BEAN OIL
Albert K. Epstein and Myron L. Hartley, Chicago, Ill.; said Hartley assignor to said Epstein
No Drawing. Application August 28, 1937, Serial No. 161,522
19 Claims. (Cl. 260—420)

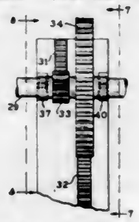
1. In a method of improving soya bean oil, particularly with respect to extending its pre-reversion period, the steps which comprise mixing said oil with not substantially less than 0.1%, based on the weight of the oil, of a sugar, and heating the resulting mixture under reduced pressure and at edible oil deodorization temperatures for a length of time sufficient to drive off undesirable constituents.

2,140,795
FASTENING DEVICE FOR BADGES
William F. Ferguson, Yonkers, N. Y.
Application April 6, 1938, Serial No. 200,319
1 Claim. (Cl. 40—1.5)



In combination with a badge having spaced perforated lugs, a tubular casing having an opening at one end and a central slot, a protruding pin fixed in one end of the casing and forming a prolongation of said end, a bolt member slidably mounted in the opposite end of the casing and having one end adapted to protrude through the open end of the casing, a finger piece secured to said bolt and protruding externally of the casing through the central slot and a coil spring in the casing having one end seated against the inner end of the pin and its other end against the inner end of the slidable bolt, said central slot being formed with a notch for holding the finger piece in innermost position.

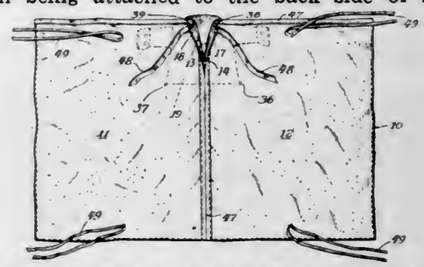
2,140,796
WEIGHING APPARATUS
Otto P. Haegele, Chicago, Ill., assignor to Streeter-Amet Company, Chicago, Ill., a corporation of Illinois
Application August 2, 1935, Serial No. 34,419
6 Claims. (Cl. 265—27)



1. Weighing apparatus of the character described comprising in combination a weight indicating member movable to a position to indicate the weight of the load, scale mechanism including a pair of successively acting racks and a pair of pinions of different ratios for controlling the movement of said weight indicating member, and supplementary rack and pinion elements for controlling the weight indicating member at the point of transition of control from one rack to the other.

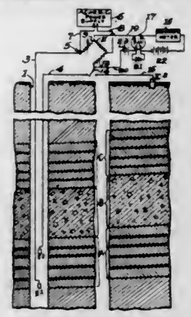
2,140,797
GARMENT
Meyer A. Hammerman, Chicago, Ill.
Application May 2, 1938, Serial No. 205,432
12 Claims. (Cl. 2—114)

1. A garment for a child comprising a blanket portion of extended width and length substantially exceeding the dimensions of a child's body, said blanket portion having an opening along its length, a sliding fastener for closing said opening but terminating at a point below the upper edge of said blanket portion thereby leaving two free corners thereof, a jacket portion having a front opening, said jacket portion being mounted on the back side of said blanket portion at the upper end thereof, said jacket portion lying substantially entirely within the area of said blanket portion, the open front edges of said jacket portion being attached to the back side of said



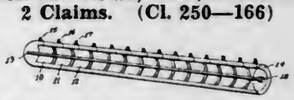
blanket portion at opposite edges of the opening therein whereby, upon closing said opening by means of said slide fastener, the open front of said jacket portion will be simultaneously closed, said jacket portion also being attached to the back side of said blanket portion at a plurality of places at the upper and lower parts of said jacket portion.

2,140,798
ELECTRICAL METHOD AND APPARATUS FOR DETERMINING THE CHARACTERISTICS OF GEOLOGIC FORMATIONS
John Jay Jakosky, Los Angeles, Calif.
Application July 21, 1936, Serial No. 91,708
20 Claims. (Cl. 175—182)



1. The method of determining the nature of geologic formations which comprises: taking electrical measurements to determine an electrical characteristic of a formation in a direction substantially parallel to the bedding planes of the strata therein; and taking other electrical measurements to determine a comparable electrical characteristic of said formation in a direction transverse to the bedding planes of said strata, whereby the degree of anisotropy of said formation may be determined by comparing the measurements so obtained.

2,140,799
MULTIPLE LIGHT SENSITIVE TUBE
Andrew A. Kucher, Dayton, Ohio
Application March 28, 1935, Serial No. 13,391
2 Claims. (Cl. 250—166)



1. A multiple light sensitive tube comprising

an evacuated envelope having a wall portion divided into separate insulated cathode element sections, a separate connection for each cathode mounted in the wall portion adjacent thereto, and an anode element coextensive in length with said cathode sections and mounted in the envelope to one side of the cathode sections.

2,140,800

TREATMENT OF SUBSTANCES CONTAINING TANTALUM AND/OR NIOBIUM

Joseph Pierre Leemans, Hoboken, near Antwerp, Belgium, assignor to Société Générale Métallurgique de Hoboken, Hoboken, near Antwerp, Belgium, a limited company of Belgium

No Drawing. Original application April 26, 1937, Serial No. 139,018. Divided and this application November 27, 1937, Serial No. 176,919. In Great Britain April 28, 1936

1 Claim. (Cl. 75—21)

A process of treating substances containing at least one of the elements tantalum and niobium in oxide form and also tin and iron, which comprises reducing substantially the entire amount of tin and part only of the iron which is present by means of carbon alone at a temperature from 800 to 1200° C., whilst avoiding the melting of the charge and the reduction of the tantalum and niobium oxides, leaching the treated product to dissolve the reduced tin and iron, thus leaving a residue containing an element of the group consisting of tantalum and niobium with iron, separating the solution of tin and iron from the residue, and treating the latter residue by a reducing operation in the presence of at least one of the elements calcium, magnesium, silicon with a view to recovering the tantalum and niobium as a ferro-alloy.

2,140,801

TREATMENT OF MATERIALS CONTAINING TANTALUM AND/OR NIOBIUM

Joseph Pierre Leemans, Hoboken, near Antwerp, Belgium, assignor to Société Générale Métallurgique de Hoboken, Hoboken, near Antwerp, Belgium, a limited company of Belgium

No Drawing. Application January 27, 1938, Serial No. 187,247. In Great Britain March 22, 1937

4 Claims. (Cl. 23—16)

1. A process for the treatment of primary materials containing at least one of the metals tantalum and niobium, in which the primary material is subjected to a reducing operation in the presence of carbon and iron, to reduce the impurities accompanying the tantalum and niobium, so as to form a slag rich in the metals tantalum and niobium present and practically free from other metals present as impurities in the primary material, and a ferro-alloy in which these impurities are concentrated together with some tantalum and niobium.

2,140,802

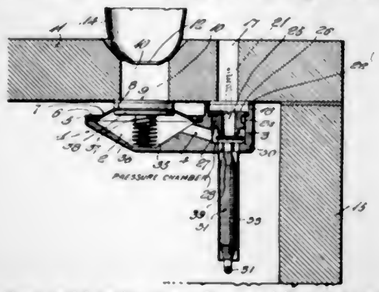
DIRECT ELECTRIC VALVE ACTION

Roscoe E. Lehman, Hagerstown, Md., assignor to The W. H. Reisner Manufacturing Company, Hagerstown, Md., a corporation of Maryland

Application December 29, 1936, Serial No. 118,163

5 Claims. (Cl. 84—339)

1. In an organ valve chest and pressure chamber, a wall having adjacent pressure delivery and exhaust ports therein, an organ pipe permanently mounted in the pressure delivery port, said exhaust port being open to atmospheric pressure; an integral body having a raised portion provided with a central bore disposed in alignment with said exhaust port and perforated flanges having screw means extending therethrough for mounting said body on said wall, said body having a laterally extending recessed portion disposed in spaced relation to said wall in alignment with said pressure delivery port and a passage extending from said recessed portion to said bore; a flexible diaphragm mounted as a closure for the recessed portion of said body and having a valve member secured thereto adapted to close said pressure delivery port, spring means for



actuating said valve member, said valve member and said diaphragm being retractable into said recessed portion for opening said pressure delivery port; a fixed and an adjustable valve seat in said central bore below and above the opening of said passage in said bore, said bore being open to said pressure chamber through said fixed valve seat, and said adjustable valve seat being accessible through said exhaust port, a magnetic disc valve disposed between said valve seats, and electromagnetic means mounted on said body for operating said disc valve against the pressure in said pressure chamber.

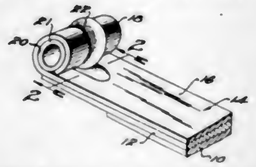
2,140,803

SPRING CONSTRUCTION

John W. Leighton, Port Huron, Mich.

Application October 16, 1936, Serial No. 105,877

1 Claim. (Cl. 267—47)



A vehicle leaf spring comprising a plurality of superimposed leaves, one of the outermost leaves having longitudinally extending offset portions substantially at its transverse center adjacent the ends thereof and having the main body portion between the ends of substantially rectangular cross section, said portions being bent to form spring eyes having ribs therearound, and the next adjacent spring leaf having cut out portions adjacent the ends thereof substantially at its transverse center, one face of said last named spring leaf being flush with a face of said first named spring leaf, and portions of the offset portions of said first named spring leaf being received within said cut out portions.

2,140,804

DISPLAY DEVICE

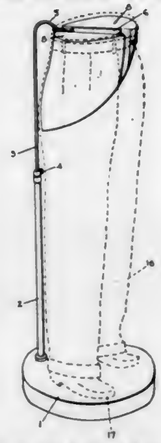
Edward L. Lockleer. Amarillo, Tex.

Application August 29, 1936, Serial No. 98,483

2 Claims. (Cl. 223—74)

1. In a display device of the class described including a base, a standard rising from the base

and eccentrically positioned thereon, a sliding extension adjustably supported by the standard, a horizontal plate or guide on the end of the extension, an article supporting member comprising



two sections in movable relation to each other, horizontal slots in the sections, said plate or guide being positioned in said slots whereby the sections of the supporting member will be held in proper relation to each other.

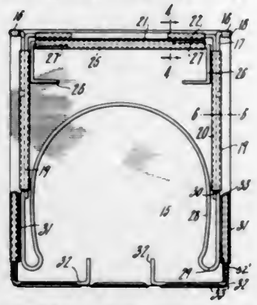
2,140,805

ADJUSTABLE BOOK HOLDER

Faust J. Marseglia, Brooklyn, N. Y.

Application October 17, 1936, Serial No. 106,087

8 Claims. (Cl. 45—80)



1. A collapsible book holder comprising a book plate, an adjustable framework pivotally connected with said plate for inclining the latter to a desired reading angle, a yoke extensible from the framework, a pair of oppositely withdrawable members on said yoke for holding the adjacent part of the pages of an open book on said plate, in position, and a pair of opposed spring actuated hooks at the bottom of the plate for supporting the book and retaining the contacting part of pages in compact position.

2,140,806

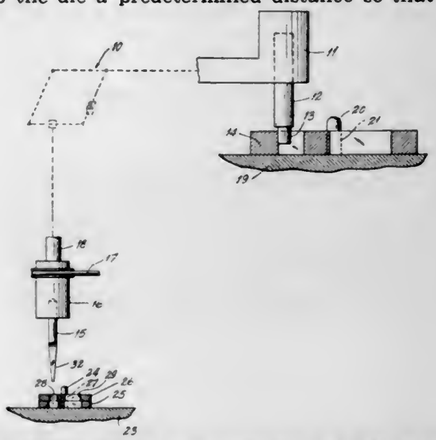
METHOD OF MAKING DIES

Walton C. Marsh, Belleville, Ill.

Application May 15, 1937, Serial No. 142,724

2 Claims. (Cl. 76—107)

1. In a method of making stencil dies, the steps of forming a die blank with the letter cut therethrough, locating said die accurately in a pantograph machine relative to an enlarged master templet, providing a cutting tool on the pantograph with a rake equal to the angle of draft desired in the die, lowering the cutting tool into the die a predetermined distance so that it



will, when moved by movement of the stylus about the templet, cut the draft into the die, and cut back the cutting edge of the die to provide a slight clearance therein.

2,140,807

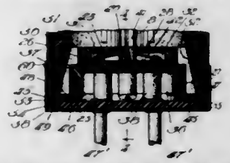
VIBRATOR

Edward J. Mastney, Berwyn, Ill., assignor to Oak Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application October 17, 1936, Serial No. 106,186

Renewed April 11, 1938

5 Claims. (Cl. 200—90)

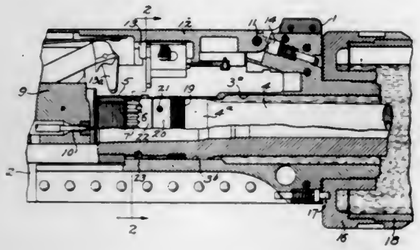


1. A vibrator comprising an elongated magnetizable frame, a reed rigidly supported at one end of said frame and adapted to vibrate transversely thereof, a magnetizing coil at the opposite end of said frame, contacts carried by said frame and reed, connections whereby said reed is vibrated upon energizing of the circuit, and means for mounting said vibrator at one end thereof, said means comprising a rubber mounting member having a slot in one face thereof into which the mounted end of the vibrator projects, leads for said vibrator contacts threaded through said rubber member, said rubber member having a flange around the bottom thereof and extending outwardly therefrom, a rigid insulating disc having a plurality of contact making prongs mounted therein disposed below said rubber member, said disc and flange having substantially corresponding edges, a rigid retaining ring around the edges of said disc and flange, said ring having a portion overlying said flange and another portion extending parallel to the plane of said disc, a metal cover fitting the bottom of said disc and having apertures for clearing said prongs and a side portion extending upwardly away from said prongs and around said rubber member, a can for covering said vibrator with the open end disposed within said cover, and means for retaining said ring in position while said can is over said vibrator.

2,140,808
MACHINE GUN WITH ADJUSTABLE PACKING

Frederick T. Moore, West Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn., a corporation of Connecticut

Application February 18, 1935, Serial No. 7,129
13 Claims. (Cl. 89—14)

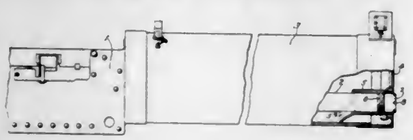


1. In a machine gun, the combination of a casing having a longitudinal barrel receiving bearing aperture at the front, a barrel extending through the said aperture and longitudinally movable therein, means within the casing to which the barrel is connected at its rear, a coolant jacket carried by the casing at the front thereof and surrounding the barrel, an annular packing carried by the barrel and engaging the interior surface of the bearing aperture in the casing for preventing leakage of coolant from the jacket into the interior of the casing, and a rotatable ring adjacent the packing and having threaded engagement with the barrel, the said ring being normally at least partly within the bearing aperture and being accessible at the rear of the said aperture to permit adjustment when the barrel is in its retracted position.

2,140,809
MACHINE GUN

Frederick T. Moore, West Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a corporation of Connecticut

Application February 3, 1937, Serial No. 123,875
10 Claims. (Cl. 89—14)

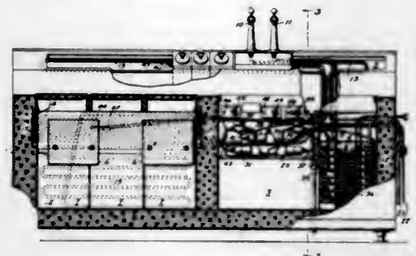


1. In a machine gun, the combination of a casing, a longitudinally reciprocating integral barrel at the front of the casing, a coolant jacket extending forward from the casing and surrounding the barrel and having its front wall so positioned that substantially all of the barrel when in its foremost position is behind the rear plane of the said wall, an annular packing carried by the barrel near and at the rear of the front end thereof, a thin-walled cylindrical guide within the jacket surrounding and closely fitting the packing, the said guide projecting rearward from the said front jacket wall and having its entire periphery spaced from the outer jacket wall, and an adjusting ring on the barrel adjacent the front of the packing, the said ring having threaded connection with the barrel and being accessible at the front of the jacket so that it may be turned to adjust the packing.

2,140,810
REFRIGERATION SYSTEM CONTROL

Homer W. Ohlhaver, Lakewood, Ohio, assignor, by mesne assignments, to The Bastian-Blessing Company, Chicago, Ill., a corporation of Illinois

Application July 30, 1935, Serial No. 33,841
6 Claims. (Cl. 62—4)

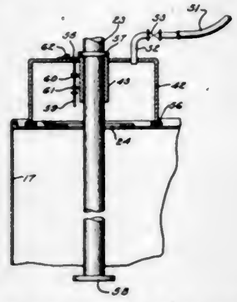


1. In a refrigeration system, a refrigerating member, means for supplying fresh refrigerant under pressure to the member and withdrawing spent refrigerant therefrom, conductors for carrying the refrigerant between the refrigerating member and the supply means, throttle means responsive to temperature changes adjacent the refrigerating member for controlling the rate of flow of refrigerant into the refrigerating member, and arranged to permit an increase in the rate of flow upon an increase in said temperature and to decrease the rate of flow upon a decrease in said temperature, temperature responsive means associated with the refrigerating member for admitting refrigerant to the refrigerating member only when the latter is above a predetermined temperature, and means responsive to the pressure in the conductor carrying spent refrigerant from the refrigerating member to the supplying means to actuate the supplying means when the last named pressure exceeds a predetermined amount.

2,140,811
APPARATUS FOR FILLING OILS IN CONTAINERS

William C. Poole, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application August 1, 1935, Serial No. 34,184
4 Claims. (Cl. 226—116)

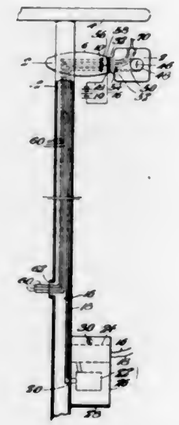


2. Apparatus for filling oils in containers having bung openings, comprising a hood adapted to be placed over the bung opening of a container and having an opening therein, a nozzle slidably mounted in said opening and adapted to be inserted through the bung opening, means for withdrawing air and foam from the hood and container during the filling operation to produce a partial vacuum therein, said hood being provided with a second opening and an outwardly opening check valve positioned in and adapted to close said opening, and means actuated by said nozzle for opening the check valve to break the vacuum in the hood and container upon withdrawal of the nozzle from the bung.

2,140,812
COMBINED IGNITION AND GEAR SHIFT LOCKING DEVICE

Aldin Ratti, Ann Arbor, Mich.

Application September 18, 1937, Serial No. 164,457
2 Claims. (Cl. 123—146.5)



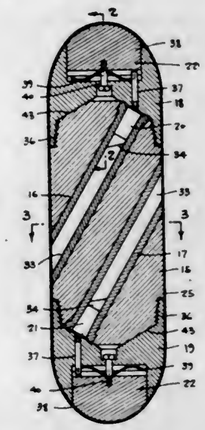
1. In a device of the character stated, a housing secured to and internally communicating with the interior of the hollow steering column of a vehicle, a switch within said housing, means for opening and closing said switch, means for supplying electrical energy to one terminal of said switch, ignition circuit wires connected to the other terminal of said switch and passing from said housing into and extending downwardly through, said steering column, a normally locked compartment mounted near the lower portion of said steering column and communicating with the interior thereof, an induction coil positioned in said compartment and to which said ignition circuit wires are connected, and wires emerging from said compartment and connecting said coil to the engine of said vehicle, whereby the ignition circuit wires are rendered completely inaccessible from the terminal of the energizing switch until after they have been connected to and have emerged from the induction coil.

2,140,813
WELL CASING PERFORATOR

Frank R. Ruther and Ralph M. Ridley, Whittier, Calif.

Application February 25, 1938, Serial No. 192,532
15 Claims. (Cl. 164—0.5)

1. In a well casing perforator, a cylindrical body member, and means forming a gun bore

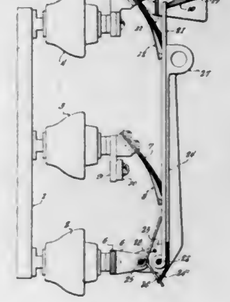


having a straight axis oblique to the axis of the body.

2,140,814
ELECTRICAL SWITCH

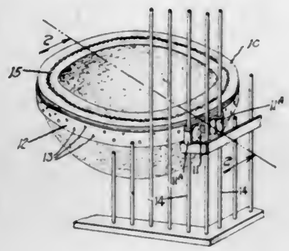
William O. Schultz, South Milwaukee, and Alwin G. Steinmayer, Milwaukee, Wis., assignors to Line Material Company, South Milwaukee, Wis., a corporation of Delaware

Application March 11, 1935, Serial No. 10,462
7 Claims. (Cl. 200—169)



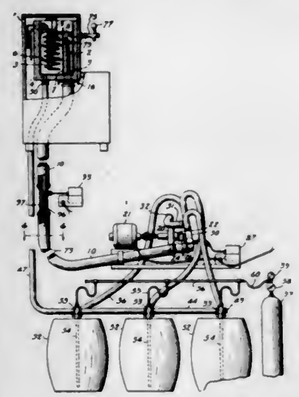
1. A quick break electric switch comprising a support, a stationary contact carried by said support, hinged operating means carried by said support, a switch blade carried by said hinged operating means and adapted to engage said stationary contact, said hinged operating means being movable away from said blade during opening movement, latching mechanism for positively holding said switch blade in engagement with said stationary contact, said operating means including a spring normally holding said operating means and blade in contact, said spring being tensioned on opening motion of said operating means and urging said switch blade towards open position when said operating means is rocked outwardly, said operating means sliding said blade free of said latching mechanism as said operating means is moved outwardly, said latching mechanism forming a sleet hood for said switch blade.

2,140,815
NEST
Anton Seidl, Chicago, Ill.
Application March 21, 1936, Serial No. 70,070
1 Claim. (Cl. 119—45)



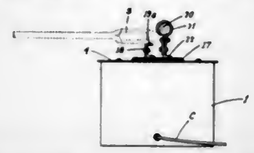
A bird's nest comprising a semi-spherical body of fibrous material, said body having an annular sized portion and a non-sized ventilating central portion, and a band surrounding said body and having prongs some of which have their free ends directed upwardly and others have their free ends directed downwardly and engaging in the peripheral portion of the body.

2,140,816
BEER DISPENSER
Dean C. Seitz, Lakewood, Ohio, assignor, by mesne assignments, to The Bastian-Blessing Company, Chicago, Ill., a corporation of Illinois
Application June 19, 1937, Serial No. 149,046
7 Claims. (Cl. 62—141)



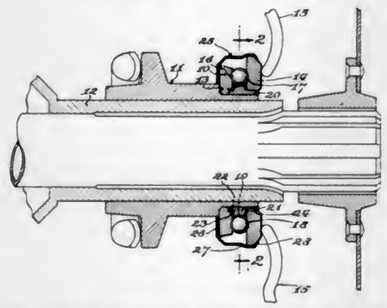
1. A beverage cooler and dispenser comprising a plurality of faucets through which beverage may be drawn as required, a plurality of beverage conduits each having one end connected to a faucet and the other end connectable to one of a plurality of containers in which beverage is retained until withdrawn as required, a cooling liquid conduit enclosing the beverage conduits to provide a chamber surrounding and extending longitudinally of the beverage conduits, means for circulating a cooling liquid through the cooling liquid conduit, means for cooling the cooling liquid upon circulation thereof, and means individually responsive to the temperature in each beverage conduit at points remote from said faucets for controlling the operation of the cooling liquid circulating means.

2,140,817
SOLDERING IRON HEATER
Raymond J. Springall, deceased, late of Sacramento, Calif., by Ramona D. Springall, administratrix, Sacramento, Calif., now by judicial decree to Ramona D. Springall, widow
Application June 14, 1937, Serial No. 148,130
3 Claims. (Cl. 219—23)



1. An electrically actuated soldering iron heater including a base, contact means rigidly mounted on and above the base and spaced therefrom, and a soldering iron rest mounted on and above the base in horizontally offset relation to the contact means and at such level that when the tip of a soldering iron is engaged with said contact means from beneath, the rest supports the body of the iron as a fulcrum and adjacent the inception of the tip.

2,140,818
ANTIFRICTION BEARING
Louis H. Stein, Chicago, Ill., assignor to Aetna Ball Bearing Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application November 22, 1937, Serial No. 175,779
9 Claims. (Cl. 308—233)

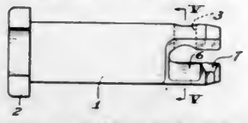


1. A thrust bearing comprising a fixed race ring, a free race ring side-by-side therewith, round anti-friction elements rolling between the adjacent faces of the rings, and a shell carried by the free race ring and sealed thereto, the shell outwardly embracing the fixed ring and extending radially inwardly along the back thereof in clearance-space proximity thereto, the outer back corner of the shell being cut off obliquely opposite the rim face of the fixed ring.

2,140,819
COMPOSITION HEEL
Harold F. Stose, Portsmouth, Ohio, assignor to Vulcan Corporation, Portsmouth, Ohio
No Drawing. Application July 1, 1936, Serial No. 88,405
6 Claims. (Cl. 106—3)

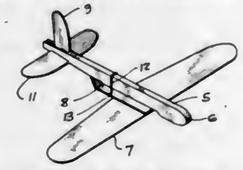
1. The method of forming an artificial wood composition which comprises mixing glue, water, sulphonated castor oil, oxalic acid and paraformaldehyde together to form a viscous mixture and then combining said viscous mixture with finely divided sawdust.

2,140,820
CONNECTING PIN
Elmer M. Summerhays, Warren, Ohio, assignor to Frederic Schaefer, Pittsburgh, Pa.
Application May 26, 1938, Serial No. 210,195
7 Claims. (Cl. 85—8)



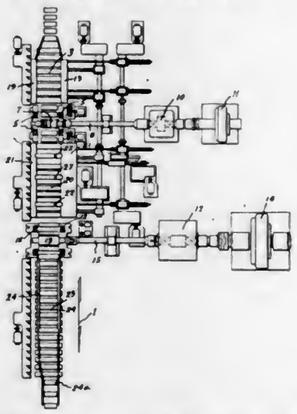
7. A pin having a bifurcated end one portion of which has a radially disposed wedge-shaped wall terminating at its outer end in laterally projecting flanges, and the other portion of which is provided with a radial opening terminating at its inner end adjacent the inner edge of said wall, said opening being adapted to receive a cotter pin that is spread when driven against said wall.

2,140,821
TOY GLIDER
Claude U. Tyrrell, Pasadena, Calif.
Application March 10, 1936, Serial No. 68,045
12 Claims. (Cl. 46—79)



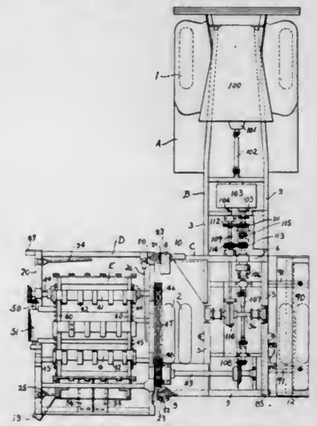
1. In a toy glider, a body having nose and tail portions, a stabilizer connected to said tail portion, a fin also connected to said tail portion substantially perpendicular to said stabilizer, and a supporting wing having one of its edges hinged to the body.

2,140,822
SLABBING MILL ASSEMBLY
John B. Tytus and Edward N. Millan, Middletown, Ohio, assignors to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Application June 14, 1937, Serial No. 148,048
7 Claims. (Cl. 80—33)



1. In a device for reducing ingots, the combination of a horizontal-roll edging mill and a horizontal-roll flat rolling mill arranged in tandem, means intermediate said mills for turning a work piece through substantially 90°, and feeding means for said mills, said mills and said feeding means being reversible.

2,140,823
ROADSIDE TRENCHER
William G. Van Voorhis, Findlay, Ohio, assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio, a corporation of Ohio
Application October 18, 1937, Serial No. 169,593
14 Claims. (Cl. 37—97)



12. In a roadside trencher, a truck, excavating means carried by the truck for excavating a trench at one side of and parallel to the path of travel of the truck and closely adjacent thereto, said means being mounted for swinging movements from a side of the truck to the rear thereof and to receive substantially a half turn during such movement.

2,140,824
HYDROXY-ALKYL ETHERS OF PHENYL PHENOLS
Clarence C. Vernon, Louisville, Ky., assignor to University of Louisville, Louisville, Ky., a corporation of Kentucky
No Drawing. Application February 20, 1937, Serial No. 126,807
8 Claims. (Cl. 260—613)

1. A hydroxy-alkyl ether of a phenyl phenol having the formula;



in which R represents a lower alkylene radical.

2,140,825
METHOD FOR ROASTING PENCIL LEADS
Richard Zückert, Bohmisch-Budweis, Czechoslovakia, assignor to the firm "Koh-i-noor" tužkárna L. & C. Hardtmuth, Čes., Budejovice, Czechoslovakia
Application June 8, 1937, Serial No. 147,061
In Germany July 17, 1936
1 Claim. (Cl. 263—52)

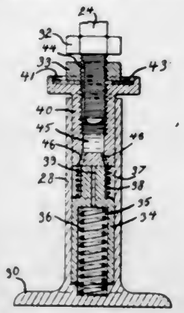
A method for roasting pencil leads in closed cylindrical containers which are successively conducted through a heated vertical channel, consisting in arranging the pencil leads standing in the closed cylindrical containers parallel to the axis thereof, piling the filled containers one upon the other in vertical alignment to form a column

of only slightly smaller diameter than and filling practically the entire cross sectional area of the



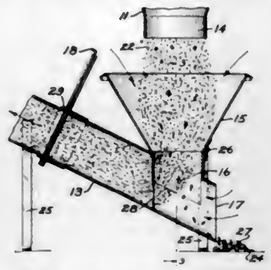
heated channel, and then conducting the filled containers through the heated vertical channel.

2,140,826
VALVE-ACTUATING MEANS
David C. Bettison, Omaha, Nebr.
Application September 22, 1937, Serial No. 165,139
3 Claims. (Cl. 123—90)



1. A valve-actuating intermediary for use in internal combustion engines wherein a spring-closed valve is openable by pressure transmitted from a cam through an intermediary, comprising a member having a cylindrical bore closed at one end and open at the other, a second member fitting slidably in said bore and extending from the open end thereof, a plunger fitting slidably in said bore between the closed end thereof and said second member; there being an intermediate chamber between said second member and said plunger, a pressure chamber between said plunger and the closed end of said bore and a port extending through said plunger connecting said chambers, yielding means for urging the plunger outwardly of the bored member to cause engagement thereof with the inner end of the second member to close said port, and resilient means tending to disengage said second member from said plunger, the relation of said elements being such that valve-opening pressure is transmitted from said first member through the liquid in said pressure chamber to said plunger and thence to said second member, said pressure being adapted to cause the plunger and second member to positively engage to close said port during the transmission of said valve-opening pressure through the intermediary.

2,140,827
SEPARATING SYSTEM
Charles Wesley Boag, Milwaukee, Wis., assignor to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin
Application October 24, 1936, Serial No. 107,395
2 Claims. (Cl. 209—26)



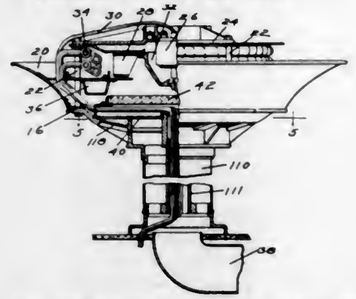
2. In a cooling and separating system for hot granular material, an inclined pipe having an open lower end and a laterally upper inlet opening above the pipe bottom and directly adjacent said open end, means for creating a flow of air into said open end and through said pipe beneath said opening, a hopper for delivering granular material from the atmosphere into said opening, a gate for varying the cross-sectional area of said pipe beyond said inlet opening, and a screen spanning said pipe between said inlet opening and said gate, said hopper being swingably mounted to permit free access to the delivery end of said inlet opening and to said screen.

2,140,828
COMBINATION LADDER BRACKET
Fred Carle, Newark, N. J.
Application August 25, 1936, Serial No. 97,765
2 Claims. (Cl. 248—238)



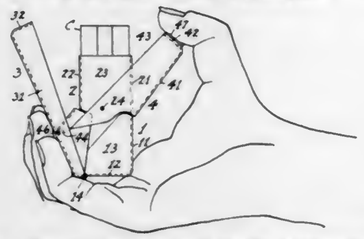
1. A device of the class described comprising a U-shaped bracket for association with a ladder having ordinary uprights and rungs, one leg of the U-shaped bracket consisting of a plate having a pair of recesses vertically spaced a distance apart to correspond to the distance between rungs of the ladder, a tongue which separates said recesses, a series of arcuately arranged holes in said tongue, a locking bar bolted to the plate for retaining the bracket on the ladder, and the other leg of the U-shaped bracket consisting of a second plate narrower than the first plate, said second plate having a clamping bolt threaded therein for engagement with an upright of the ladder.

2,140,829
AIR CONDITIONING
Lachlan W. Child, South Bend, Ind., assignor, by mesne assignments, to Air Devices Corporation, Chicago, Ill., a corporation of Delaware
Application June 1, 1936, Serial No. 82,849
9 Claims. (Cl. 62—129)



2. An air conditioning fixture comprising a pedestal constructed and arranged to rest on the floor of a room, a head at the upper end of the pedestal comprising a cooling coil and means for circulating air over the coil and generally horizontally outward in all directions from the axis of the pedestal and having means below the cooling coil for collecting moisture condensed from the air by said coil, and connections passing vertically through the pedestal for circulating refrigerant fluid to and from said coil and for removing condensate from said collecting means, and means formed and arranged to supply fresh outside air from below said pedestal to be passed upward through said pedestal and mixed with room air recirculated by said circulating means.

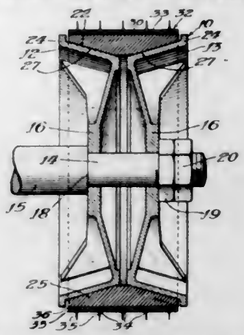
2,140,830
CIGARETTE CASE
Peter J. Desselle, Detroit, Mich.
Application May 17, 1937, Serial No. 143,091
5 Claims. (Cl. 206—41)



1. A device of the character described comprising two hingedly connected sections, the first of which contains the cigarettes while the second forms a half cover for the upper end, spring means yieldingly holding the said sections in closed position, and a third section pivoted to the container section intermediate its length and adapted to co-act with the second section to completely enclose the cigarettes, the said third section being provided with manual gripping means and with lever means for moving the second section into open position against the action of said spring means.

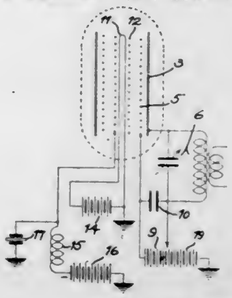
2,140,831
ABRADING DEVICE
Rudolph T. Ecklund and Peter C. Neilsen, Chicago, Ill.
Application May 15, 1937, Serial No. 142,729
2 Claims. (Cl. 29—78)

1. An abrading device comprising a roller, a ring of endless perforated sheet metal disposed around said roller, tacks with their pointed ends projecting outwardly into the apertures in said sheet metal, and a strip of sheet metal formed into a ring within the first-mentioned ring and



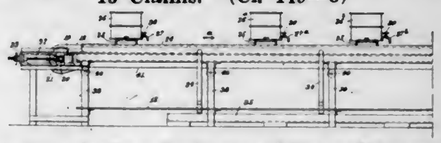
having a portion between its ends secured to the inner surface of the first-mentioned ring, the heads of said tacks being disposed between the first-mentioned ring and said strip of sheet metal.

2,140,832
MEANS AND METHOD OF CONTROLLING ELECTRON MULTIPLIERS
Philo T. Farnsworth, San Francisco, Calif., assignor to Farnsworth Television Incorporated, San Francisco, Calif., a corporation of California
Application May 16, 1936, Serial No. 80,193
3 Claims. (Cl. 250—36)



1. In a medium containing positive ions, the method of electron multiplication which comprises causing electron emission from a substantially equipotential surface, withdrawing the emitted electrons into the space bounded by said surface, re-accelerating electrons from said space against said surface to cause secondary emission therefrom at a ratio greater than unity, collecting at least a portion of the secondaries produced, and meanwhile abstracting positive ions from the space bounded by said surface.

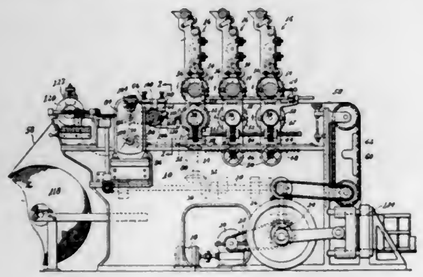
2,140,833
LEATHER DYEING MACHINE
Michael F. Flynn, Salem, Mass.
Application October 2, 1937, Serial No. 166,999
13 Claims. (Cl. 149—8)



1. In a leather dyeing machine, a framework.

a convex continuous arcuate metal bed plate fixedly secured to said framework and extending lengthwise thereof; a rotatable drum at each end of said bed plate; an endless bolster, said bolster resting on said bed plate and being movable endwise thereof on said drums adapted to support a leather on the upper face thereof; and means for depositing a dye only on the center of said leather.

2,140,834
PRINTING APPARATUS
Marshall E. Gazette, Boston, Mass.
Application September 7, 1937, Serial No. 162,667
9 Claims. (Cl. 101—228)



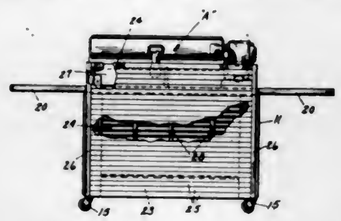
1. Apparatus for printing sheet material, comprising a pair of rolls rotating in opposite directions and coacting for printing on sheet material fed between the rolls; pulling means beyond the said rolls for maintaining the sheet material continuously under tension, and for feed of the sheet material to the rolls; clamping means in advance of said rolls for intermittently holding stationary the entire sheet of material between the clamp and the pulling means; and means, including an element rotating in unison with one of said rolls, for disengaging the holding means each time a particular part of one of said rolls arrives at printing position.

2,140,835
COATED FIBROUS SHEET AND WEB MATERIAL AND PROCESS FOR MAKING SAME
Erich Gebauer-Fuelnegg, Evanston, Ill., and Eugene W. Moffett, Gary, Ind., assignors, by mesne assignments, to Marbo Patents Inc., a corporation of Delaware
No Drawing. Application April 25, 1934, Serial No. 722,252. Renewed October 6, 1937
6 Claims. (Cl. 91—68)

6. Flexible, grease and moisture resistant sheet material suitable for wrapping purposes and the like, comprising a glassine sheet having firmly adhered thereto a thin grease and moisture resistant coating, composed essentially of a rubber hydrochloride having intimately admixed therewith a chlorinated paraffin wax.

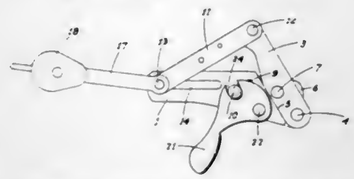
2,140,836
IRONING MACHINE CABINET
Andrew H. Gerhardt, Chicago, Ill., assignor to Electric Household Utilities Corporation, Chicago, Ill., a corporation of Illinois
Application August 13, 1937, Serial No. 158,884
3 Claims. (Cl. 312—190)

1. The combination with a table-like support including a top formed of sheet metal and having down-turned marginal flanges at opposite ends, and an instrument or like unit mounted on said top; of means carried on the support for enclosing said instrument or unit, said means comprising a pair of normally upwardly extending panels on the opposite ends of said support, a bodily movable flexible cover element, and means on the back of the table-like support for guiding and supporting the flexible cover element, said cover element and end panels being constructed for cooperative engagement for completing the closure, said end panels having their lower ends provided with a floating hinge connection disposed



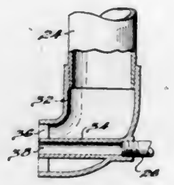
inside of the support, and adapted, when the cover element is moved to inoperative position, to be swung outwardly and downwardly to substantially horizontal position, in substantially flush relation with and constituting extensions of the table top, said hinge connections for each end panel including a pair of spaced apart bars projecting downwardly from the panel, through apertures in the table-like support, and adapted in one position to engage an abutment surface of the support to arrest the end panel in upright position.

2,140,837
ATTACHMENT FOR LINEMAN'S GRIP
Edward Ross Harry, Sonora, Calif.
Application January 22, 1937, Serial No. 121,856
2 Claims. (Cl. 24—134)



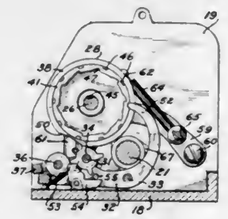
1. A releasing device adapted for mounting on a wire gripping tool to separate the jaws thereof, said tool having a fixed jaw and a movable jaw above the same, a body disposed on the fixed side of the jaws and rigid with one jaw, a jaw closing means including an arm pivoted on said fixed jaw adjacent its outer end and pivoted intermediate its ends on the other jaw at the outer end thereof, said other jaw having a lateral guiding pin adjacent its inner end working in an arcuate slot in the body; said device comprising a hand lever adapted to be disposed on the side of the tool body opposite the jaws, means to pivot the lever intermediate its ends on the tool at a point intermediate the ends of the fixed jaw and below the movable jaw, the length of the lever from its pivot down being such that the lever depends clear of the body for operation; said lever rearwardly of its pivot being formed with a slot to receive the adjacent end of said lateral jaw pin and the position of the lever slot relative to the pivot point of the lever being such as to cause the pin to be moved in a jaw opening direction with a movement of the operating end of the lever in a direction away from the outer end of the tool.

2,140,838
MEANS FOR COOLING TOOLS AND REMOVING CHIPS
William A. Hart, Detroit, Mich., assignor to Colonial Broach Company, Detroit, Mich., a corporation of Michigan
Application April 13, 1936, Serial No. 74,123
1 Claim. (Cl. 29—106)



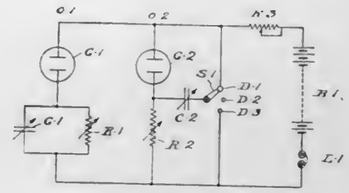
Mechanism for cooling and/or lubricating and for removing chips from a cutting tool of a broaching machine, comprising in combination a first pipe, a second pipe; means adapting both of said pipes to discharge upon a predetermined area on the surface of said cutting tool; and concurrently operated supply means associated with said pipes for discharging a relatively high volume of liquid through one of said pipes at low pressure and for at the same time discharging a relatively low volume of liquid through the other of said pipes at relatively high pressure, so that said tool is subjected to the simultaneous action of two streams of liquid.

2,140,839
COUNTER
Mark M. Hennessy, Milwaukee, Wis., assignor to Durant Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application January 28, 1937, Serial No. 122,781
6 Claims. (Cl. 235—139)



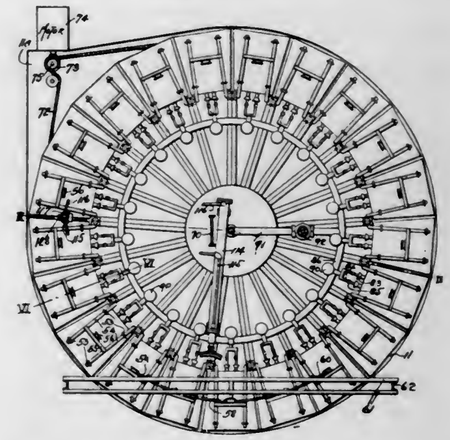
1. In combination, a shaft, a series of counter wheels rotatably supported by said shaft, each wheel having a digit rim and transfer teeth at one end thereof, and each wheel having an insert within its digit rim and a transfer gear at the opposite end thereof, transfer pinions each normally engaging a transfer gear of a higher order wheel and being engageable with the transfer teeth of the adjacent lower order wheel, and means for effecting disengagement of said pinions from said transfer gears and for simultaneously locking said inserts against displacement.

2,140,840
AUDIO FREQUENCY OSCILLATOR
Nicholas Langer, New York, and Charles W. W. Hoffman, Syracuse, N. Y.; said Langer assignor to said Hoffman
Application March 27, 1937, Serial No. 133,370
15 Claims. (Cl. 250—36)



1. In an audio frequency oscillator, the combination comprising a plurality of circuits adapted to produce electrical oscillations, each of said circuits including a glow discharge tube and a resistance and a condenser, said resistance being connected in series with said tube, coupling means in each of said circuits for providing tight coupling therebetween whereby the oscillations produced by each of said tubes will be modulated by the oscillations produced by the others, and switching means in each of said circuits for selectively connecting said condenser across said tube and across said resistance.

2,140,841
BARREL DRIER
Jesse W. Leonard, Willard R. Butterworth, Jr., and Walker L. Wellford, Jr., Memphis, Tenn.
Application March 18, 1938, Serial No. 196,588
14 Claims. (Cl. 34—18)

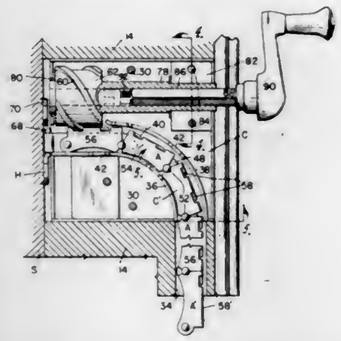


12. Means for drying barrels, including a working floor, a pit having a floor depressed below said working floor, a circular track carried by said pit floor, a carrier having supporting wheels running on said track, means for turning said carrier, a plurality of furnaces mounted on said carrier for movement therewith, the tops of said furnaces being below said working floor, and a plurality of means mounted on said carrier each adapted to support a barrel shell above a said furnace, the tops of said supporting means being substantially at said working floor level.

2,140,842
ADJUSTING HARDWARE FOR SASHES AND THE LIKE

Sern Madsen, Clinton, Iowa, assignor, by mesne assignments, to Curtis Companies Incorporated, Clinton, Iowa, a corporation of Iowa

Application April 12, 1937, Serial No. 136,386
2 Claims. (Cl. 74—548)

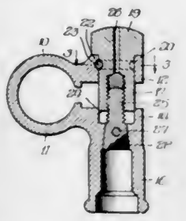


1. In a device of the class described, a rotatable operator having a bore, an operating crank having a shank removable and non-rotatable relative thereto and a plug in said bore to limit the degree of extension of said shank thereinto, said plug being of such size relative to said bore that it is movable by abnormal pressure longitudinally of the bore to suit the particular installation being made and thereafter retained by friction against normal pressure of said shank thereagainst during operation of the operator by the crank.

2,140,843
ELECTRICAL CONNECTION

Walter McGinnis, Eagle Rock, and Zebulon Wirt, Los Angeles, Calif.

Application May 29, 1935, Serial No. 23,996
5 Claims. (Cl. 173—259)

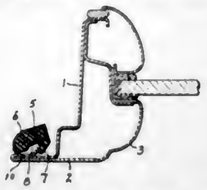


1. In an electrical connection having oppositely disposed clamping members and a cable housing, a corrosive resistant operating mechanism including a clamping bolt rotatively secured in one of said clamping members, said bolt being hollowed interiorly and having its hollowed surface threaded, the outer surface of said bolt being smooth to form a corrosive resistant surface, a recess formed within the oppositely disposed clamping member for receiving the outer surface of said clamping bolt in slidable engagement, and a second bolt secured within the recessed portion of the oppositely disposed clamping member, said bolt being threaded exteriorly for cooperation with the interiorly threaded portion of the first named bolt to contract and expand said clamping members.

2,140,844
DOOR WEATHER STRIP

Kurt Mirus-Leuschner, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application March 29, 1937, Serial No. 133,559
8 Claims. (Cl. 20—69)

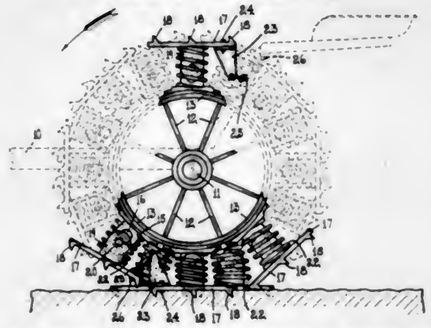


1. The combination of a door or closure having an initially upstanding tongue, a weatherstrip having a recess concealed when the weatherstrip is seated in place, fitting over the tongue and clinched in place by turning over the tongue.

2,140,845
VEHICLE TRACTION WHEEL

Ingman Moen, Omaha, Nebr.

Application May 10, 1937, Serial No. 141,715
5 Claims. (Cl. 305—13)



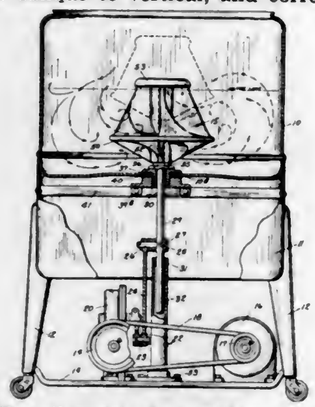
1. A traction wheel comprising a wheel body, and a plurality of tread members mounted radially on the body, each of said tread members comprising a base plate mounted on the wheel body and having a radial lug, a tread plate having surface cleats for engaging the ground and provided with inwardly extending ears for slidable engagement against the opposite side of said lug, a pivot pin engaging through the ears and the lug, said lug having a radial slot therein to admit pivotal and sliding movement of the ears upon the lug, and a compression spring disposed between the base plate and the tread plate about said lug and ears for normally urging the ears outwardly on the lug while simultaneously resiliently maintaining said lug and ears in alignment.

2,140,846
WASHING MACHINE

Anthony W. Molinare, Oak Park, Ill., assignor to Electric Household Utilities Corporation, Chicago, Ill., a corporation of Illinois

Application October 9, 1937, Serial No. 168,110
8 Claims. (Cl. 68—131)

1. In a washing machine, the combination with a tub adapted to contain washing fluid and clothes to be washed, and a vertically reciprocating impeller shaft extending upwardly through the bottom of the tub; of an impeller member mounted on said shaft, within the tub, said member comprising a body portion of substantial area extending transversely of the axis of the tub, a set of circumferentially spaced apart vertically disposed vanes extending upwardly from said body, and a second set of circumferentially spaced apart vertically disposed vanes extending downwardly from said body, corresponding faces of one set of vanes being disposed at an angle oblique to vertical, and corresponding

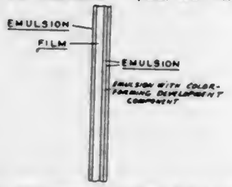


faces of the other set of vanes being disposed at an angle oblique to vertical in opposite relation to the oblique faces of the first set of vanes, whereby reciprocation of said impeller in one direction causes the washing fluid and clothes to move outwardly from the impeller in a path at an angle to a radial plane, and reciprocation of the impeller in the other direction causes the washing fluid and clothes to move outwardly in an opposite non-radial direction.

2,140,847
COMPOSITE LAYER FILMS FOR COLOR PHOTOGRAPHY AND THE PROCESSING THEREOF

Humphrey Desmond Murray and Douglas Arthur Spencer, London, England, assignors to Ilford Limited, Ilford, England, a British company; and The Veracol Film Syndicate Limited, London, England, a British company

Application June 21, 1935, Serial No. 27,804
In Great Britain June 25, 1934
13 Claims. (Cl. 95—2)



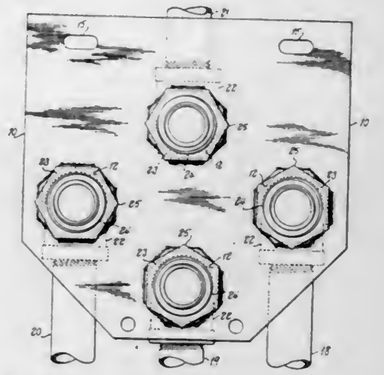
1. A light sensitive multi-layer photographic material for use in the production of colored photographic records comprising a support and at least three silver halide emulsion layers carried by said support, at least one of said layers being intermediate outer emulsion layers, said intermediate layers only containing a color forming development component, said intermediate layers being sensitive to a spectral range different from at least one of the outer layers.

2,140,848
PLUMBING FIXTURE

John R. O'Brien, Long Island City, N. Y.

Application March 10, 1937, Serial No. 130,093
4 Claims. (Cl. 285—50)

1. A template designed and adapted to be secured in a building wall or the like, said template having a plurality of template holes for pipe-members to extend therethrough, the portions of said template surrounding at least two of said holes being provided with non-circular sockets.



2,140,849
STORM SASH FASTENER

Herman T. Opland, Minneapolis, Minn.

Application October 10, 1936, Serial No. 104,931
5 Claims. (Cl. 292—262)

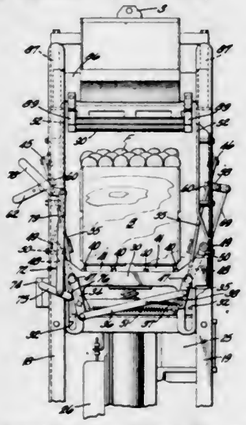


1. In a storm sash fastener for a window frame and storm sash hingedly related, the combination of an elongated substantially flat body member pivotally mounted adjacent one of its ends and at one of its flat side portions on said frame, said body member having an offset portion spaced from said frame, a connector rigidly mounted on said sash, a stud rigidly mounted on said frame in spaced relation to the pivotal mounting of said body member, a cam portion on said offset portion adjacent the pivoted end of said member and having a pair of cam surfaces on the respective opposite edges of said cam portion engageable with said connector, a hook-like portion on the opposite end of said member engageable with said connector for securing said sash in open position with respect to said frame, the hook end portion of said member being engageable with said stud when said cam portion is in engagement with said connector for securing said sash in closed position with respect to the frame.

2,140,850
BUILDING MATERIAL AND METHOD OF PRODUCING THE SAME
Mario Palmieri, Chicago, and Arnold J. Beck, Niles Center, Ill., assignors of one-half to The Sanitary District of Chicago, Chicago, Ill., a corporation of Illinois
No Drawing. Application April 6, 1936, Serial No. 72,976
9 Claims. (Cl. 106—25)

1. The process of converting fly ash into a pozzolanic material which consists in mixing an alkali, or a salt of an alkali, with the fly ash, and heating the mixture to a temperature that will cause sintering of the same but will not fuse it.

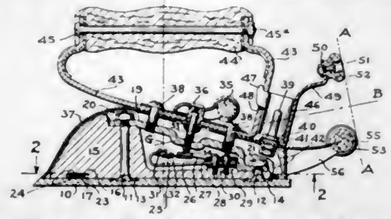
2,140,851
BOX LID PRESSING AND NAILING MACHINE
Gerald C. Paxton, Harry D. Benson, and Charles H. Johnson, Santa Ana, Calif., assignors, by mesne assignments, to Food Machinery Corporation, a corporation of Delaware
Application September 24, 1935, Serial No. 41,896
8 Claims. (Cl. 1—10)



1. In a lid pressing machine, the combination of: a frame; a box supporting table on said frame; lid pressing means on said frame above said table; power means causing relative vertical movement between said pressing means and said table; flushing means on said table for engaging fruit overlying upper edges of said box to move said fruit inward from over said edges; and control means for selectively rendering said flushing means effective at different vertical positions relative to said table, to cause said flushing means to function on boxes of different heights.

2,140,852
SADIRON
Edward D. Perry, Watertown, Conn., assignor, by mesne assignments, to Stern-Brown, Inc., Long Island City, N. Y., a corporation of New York
Original application October 31, 1932, Serial No. 640,383. Divided and this application April 3, 1936, Serial No. 72,512
2 Claims. (Cl. 38—79)

1. In a sad-iron, a body structure, said body structure being of relatively great mass and height at the forward end of said sad-iron and being of diminishing mass and height toward the rear of said sad-iron, a sole plate secured to said body structure, a protective hollow downwardly concave hood closely adjacent said body structure and covering said body structure and being located above said sole plate, said hood sloping downwardly toward the rear and following the contour of said body structure, a handle for manipulating said sad-iron, a support for said handle connected to said body structure through said hood, support means extending rearwardly from said handle support, said hood having an

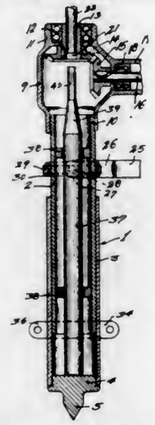


integral rearward extension above said sole plate and below said support means, said extension and said support means providing, when the sad-iron is tipped up on end out of use, a stable temporary rest with the mass of said sad-iron concentrated between said support means and said rearward extension.

2,140,853
COAT FOUNDATION AND METHOD OF MAKING SAME
Joseph M. Sandone, Chicago, Ill., assignor of one-half to Nathaniel A. Bender, Chicago, Ill.
Application August 3, 1936, Serial No. 93,973
5 Claims. (Cl. 2—255)

1. In a method of making an underlying foundation construction to control accurately and permanently the shape of the shoulder section of the outer fabric of a tailored coat, the steps of cutting a chest foundation piece with collar and armhole margins and an upper edge extending between said margins on a generally peaked line wherein a short portion adjacent to said collar margin is shaped to lie substantially parallel with the wearer's shoulder ridge and the remaining portion of the edge to the armhole end thereof will run generally diagonally downwardly substantially to follow the line of the depression between the wearer's chest and shoulder, cutting a shoulder foundation piece with a forward edge shaped coextensively complementary to the short portion of said upper edge so as to permit abutment joinder with the latter without distortion of either piece, shaping the remainder of such forward edge to extend downwardly more sharply than the corresponding portion of the upper edge so as to cause a tendency of the edges in assembly to intersect at the inner terminus of the short complementary portions to effect an overlap of the pieces to a progressively increasing extent from the point of intersection to the armhole ends of the edges, and joining the edges permanently in abutting relation throughout their lengths with the overlapping areas of the pieces forced apart by distortion of said shoulder piece only beyond said point of intersection so as to provide a non-shifting and positive substantially bell-shaped shoulder-receiving concavity beginning at said point of intersection and progressively increasing in width and depth on a median line extending as a substantially straight continuation of the line of the abutment joint between said short complementary portions of the edges.

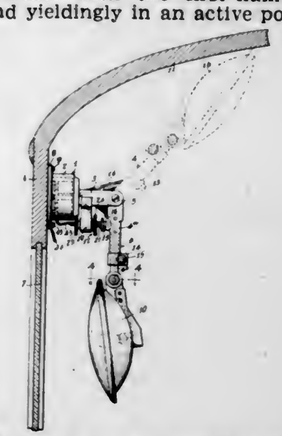
2,140,854
TELESCOPIC SUPPORT FOR DRILLS
John Paul Schnebly, Opportunity, Wash.
Application February 24, 1937, Serial No. 127,438
2 Claims. (Cl. 77—6)



1. In a drill, a standard having hollow upper and lower telescoping sections, a housing carried by the upper end of the upper section, a chuck rotatably carried by said housing and extending vertically through the top thereof and formed with a vertical bore open at its inner and outer ends, means carried by said housing for imparting rotary motion to said chuck, means for shifting the sections longitudinally of each other and applying pressure to a bit mounted in said chuck to cause the bit to be fed to the work, bearings mounted in the upper section in spaced relation to each other longitudinally thereof, and a plunger of greater length than either section of the standard slidable longitudinally in the standard through said bearings and having its lower end resting upon the bottom of the lower section and its upper end formed with a pin of a diameter adapting it to enter the inner end of the bore of the chuck and engage the inner end of a bit to force the bit out of the chuck when the drill is in an inverted position or disposed upright and the upper section of the standard reciprocated vertically and slid downwardly into the lower section a distance sufficient to cause the stem of the plunger to enter the lower end of the bore of said chuck and having striking engagement with the bit to dislodge the bit.

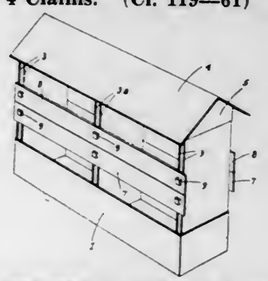
2,140,855
AUTOMOBILE LAMP
Albert B. Scott, Los Angeles, Calif., assignor to S. C. K. Corporation, Los Angeles, Calif., a corporation of Nevada
Application December 19, 1936, Serial No. 116,766
6 Claims. (Cl. 240—7.1)

1. In an automobile lamp, the combination of a bracket adapted to be secured to the body of an automobile, an arm having a joint connection to the bracket, insulated contact means located in a lateral position with respect to the axis of the bracket, a lamp casing carried by the arm, insulated contact means carried by the arm between the said joint and the lamp casing, means connected with the bracket and the arm operating to hold the arm yieldingly in an inactive position with its said insulated contact means out of contact with the first-named contact means, and yieldingly in an active position with



the second-named contact means in engagement with the first-named contact means, means for adjusting the first-named contact means in the general direction in which the axis of the bracket extends so as to regulate the position of the arm and lamp in their active position, and conductor means leading into the lamp casing from the second-named contact means.

2,140,856
POULTRY FEEDER
Paul L. Sentz, Colfax, Calif.
Application July 12, 1937, Serial No. 153,124
4 Claims. (Cl. 119—61)

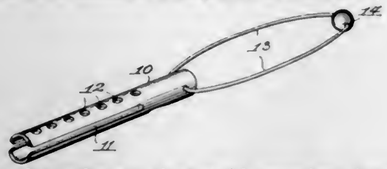


3. A poultry feeder comprising an open topped trough for feed, and means forming a feed opening above the trough, said means including a pair of vertically shiftable members disposed one above the other and extending lengthwise of the trough, said members being arranged so that the upper edge of the upper member forms the lower edge of the feed opening, or the lower edge of the lower member forms the upper edge of the opening, or the lower edge of said upper member forms the upper edge of the feed opening and the upper edge of said lower member forms the lower edge of the feed opening, selectively.

2,140,857
HAIR CURLER
Gertrude L. Smith, Los Angeles, Calif.
Application December 10, 1935, Serial No. 53,718
1 Claim. (Cl. 132—41)

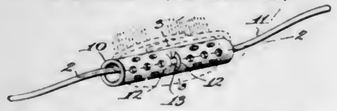
In a hair curler, the combination with a one-piece tube open at both ends and provided at

diametrically opposite points with longitudinally disposed slots that are open at one end of said tube and extend a substantial distance throughout the length of said tube toward the opposite end, of a substantially hair-pin shaped member formed of resilient wire, the ends of the legs of which member are pivotally mounted directly in the tube adjacent one end thereof and in longitudinal alignment with the slots in said tube, the legs of said member being bowed outwardly away



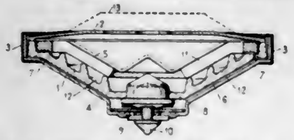
from the tube so that said member increases in length as the intermediate portions of outwardly bowed legs are flexed toward the tube there being longitudinally disposed rows of perforations formed in the tube between the slots therein, and a spherical member mounted on the connected ends of the legs of said member, and which spherical member is adapted to rest in one end of the tube when the hair-pin shaped member is positioned so that its outwardly bowed legs are disposed adjacent the sides of said tube.

2,140,858
HAIR CURLING DEVICE
Gertrude L. Smith, Los Angeles, Calif.
Application September 22, 1936, Serial No. 101,945
3 Claims. (Cl. 132—42)



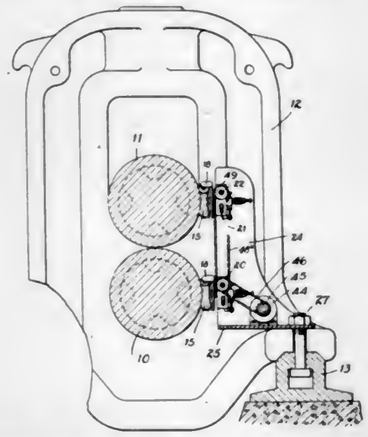
1. In a hair curler the combination with a rigid tubular body of metal, the wall of which is perforated throughout its length and circumference, of a pliable member extending through said tubular body which pliable member is longer than said tubular body so that both ends of said pliable member project substantial distances beyond the ends of said tubular body, and the central portion of which pliable member is permanently secured to the central portion of said tubular body.

2,140,859
TELEPHONE TRANSMITTER
Otto Soldan, Falkensee, near Berlin, and Hans Panzerbieter and Bernhard Jörgensen, Berlin-Siemensstadt, Germany, assignors to Siemens & Halske Aktiengesellschaft, Wernerwerk Siemensstadt, near Berlin, Germany
Application December 16, 1937, Serial No. 180,152
In Germany December 14, 1936
8 Claims. (Cl. 179—122)



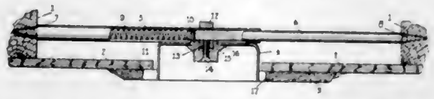
1. In a microphone, a diaphragm, a rigid insulating member of similar shape and diameter, a pair of electrodes fixed thereon so that one electrode, concentric to the other electrode, is at the outer edge of said rigid member, a conical carbon chamber formed by said elements, a non-rigid insulating member in said chamber with sections cut away so that channels for carbon granules are formed parallel to the diaphragm extending radially to said outer electrode, said rigid member having concentric channels formed on the inner surface by ridges thereon so as to be adjacent to said channels of said non-rigid member.

2,140,860
POLISHER FOR ROLLING MILLS
Lawrence C. Steele, Union, W. Va.
Application March 11, 1937, Serial No. 130,361
8 Claims. (Cl. 51—254)



1. The combination with a rotatably supported roll having a cylindrical body and means for rotating the roll, of a polishing element disposed in an angular position relative to the axis of the roll and in contact with the body of the roll, means for moving said element longitudinally along the roll in opposite directions, and means automatically actuated at a predetermined point in the path of travel of said element, for changing the angular position of the element relative to the axis of the roll.

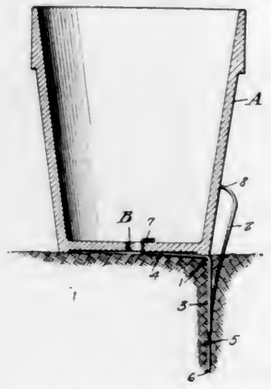
2,140,861
SUPPORT FOR ELECTRICAL FIXTURES AND THE LIKE
Peter Steketee, Holland, Mich.
Application August 23, 1937, Serial No. 160,427
13 Claims. (Cl. 247—22)



1. In a support for electrical fixtures and the like, the combination of a supporting bar comprising a pair of telescoping members each provided with an anchoring screw at its outer end, the screws being oppositely threaded, one of said members being tubular to receive the other and provided with a longitudinal slot, a spring within said tubular member acting to normally extend said members, a lug on the inner member engaging the said slot to prevent rotation of the members relative to each other, a collar sleeved upon the tubular member for longitudinal adjustment thereon, a coupling member slotted to receive said collar, and an attaching screw for said coupling member threaded into said collar and

extending through said slot in said tubular member to engage the inner member and acting as a set screw for securing the parts in their adjusted position.

2,140,862
PLANT POT HOLDER
Robert Sumner, Washington, R. I.
Application January 24, 1938, Serial No. 186,683
4 Claims. (Cl. 47—34)



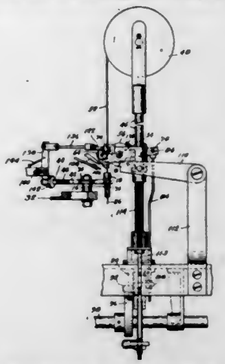
1. A plant pot holder comprising ground penetrating means, a tongue rising from the penetrating means, hook means cooperating with the tongue to set up a clamping association with the pot, and said tongue and hook means cooperating with the penetrating means to hold and support the pot in an upright position.

2,140,863
PROCESS FOR PRODUCING A PURE WHITE CELLULOSE
Erik Bror Fredrik Sunesson, Skoghall, Sweden, assignor to Uddeholms Aktiebolag, Uddeholm, Sweden
No Drawing. Application January 23, 1934, Serial No. 708,001. In Sweden January 23, 1933
1 Claim. (Cl. 8—105)

A process for producing a pure white cellulose with properties particularly valuable for subsequent use, consisting in subjecting unbleached cellulose obtained by alkaline decomposition to a bleaching in stages, in employing hypochlorite in the first stage, chlorine water in the second stage, and hypochlorite in the third stage, so much hypochlorite being added in the first oxidizing bleaching stage that up to 60% of the lignine oxidizes, in detaching by means of caustic soda the chloro-lignine soluble in alkali after the second stage, and in washing the pulp with water after every bleaching stage.

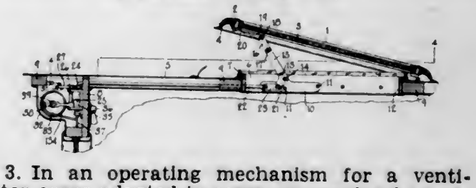
2,140,864
FUSE SOLDERING MECHANISM
Elmer H. Taylor, Newburyport, Mass., assignor to The Chase-Shawmut Company, Newburyport, Mass., a corporation of Massachusetts
Application February 14, 1936, Serial No. 63,905
17 Claims. (Cl. 113—59)

1. Soldering mechanism for electric fuses comprising an intermittently advanceable carrier having fuse holders movable into and out of a soldering position and having means providing a yielding pressure grip on the fuses therein, soldering mechanism for delivering solder to said fuses, and means movable into and out of engagement with the fuses for leveling the fuses in said holders



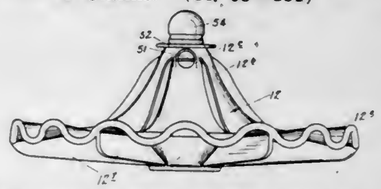
prior to the advance of the fuses into soldering position.

2,140,865
VENTILATOR OPERATING MECHANISM
John H. Tuttle, Kalamazoo, Mich., assignor to Checker Cab Manufacturing Corporation, Kalamazoo, Mich.
Application December 19, 1936, Serial No. 116,762
3 Claims. (Cl. 98—2)



3. In an operating mechanism for a ventilator cover adapted to cover an opening in a vehicle roof and including means pivoting the same to the roof, said mechanism comprising a rod slidably mounted in the roof frame and a partition of said vehicle, means operatively connecting said rod to said cover, and pneumatic means for actuating said rod longitudinally to open or close said cover and comprising a cylinder disposed at an angle to the rod, a plunger in said cylinder, a bell crank lever pivotally mounted on said partition and having one arm thereof connected to said rod, and linkage connecting said last named lever to said plunger for actuation thereby.

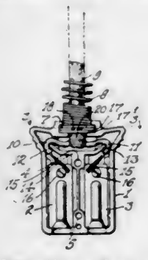
2,140,866
IMPELLER FOR WASHING MACHINES
John Whyte, Chicago, Ill., assignor to Electric Household Utilities Corporation, Chicago, Ill., a corporation of Illinois
Application January 23, 1937, Serial No. 121,922
5 Claims. (Cl. 68—131)



1. In a washing machine, in combination with a tub adapted to contain the washing fluid and clothes to be washed, an impeller member positioned centrally within the tub at an angle to the vertical axis of the tub, and movable bodily in

an orbit about said axis of the tub, said impeller being mounted for free rotation about its own axis and spaced annularly from the side wall of the tub and located above the bottom wall thereof a sufficient distance to provide space for the free movement of the clothes and fluid around and beneath the impeller member, said impeller member being of unitary formation including a substantially continuous area extending transversely of the vertical axis of the tub, and a plurality of circumferentially spaced apart depending ribs formed integrally with and projecting perpendicularly from the under side of said area and extending continuously from adjacent the outer marginal edge of said area and terminating adjacent the center thereof.

2,140,867
STRAIN RELIEF FOR ELECTRICAL APPLIANCE CORDS
Charles H. Wilmot, Hillside, N. J., assignor to Hatfield Wire & Cable Company, Hillside, N. J.
Application June 25, 1937, Serial No. 150,243
4 Claims. (Cl. 173—322)



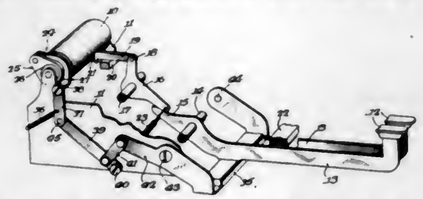
1. In the combination of an appliance cord and plug having interiorly disposed contacts and an annular recess at the cord end in which one end of a protecting spring member is normally positioned; means for taking the strain from the conductors of the cord at said contacts, said means including at least one disc of strong insulating material having a notch extending from the periphery to a point near the center of the disc, which point is in substantially straight alignment with the axis of the cord, the notch being of a width to normally fit snugly over the cord within said annular recess and adjacent the end of said spring, said disc being bendable so as to tend to close the notch to grip the cord when strain is applied thereto.

2,140,868
BENZOYL BENZOIC ESTER PLASTICIZED COMPOSITION
Herbert A. Winkelmann, Chicago, Ill., assignor to Marbon Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application December 30, 1936, Serial No. 118,324
3 Claims. (Cl. 106—23)

1. A composition comprising a vulcanized rubber hydrochloride and an ester of benzoyl benzoic acid.

2,140,869
CLUTCH
Robert T. Wright, Lake Bluff, Ill.
Application February 4, 1937, Serial No. 124,101
8 Claims. (Cl. 192—41)

7. A clutch for use with a rotatable shaft, comprising a collar telescoped over the shaft, said collar having a slot extending from the periphery of the collar into the center passageway occupied by the shaft, a block or jaw pivoted in said slot and adapted to be swung upon its pivot to and from clutching engagement with the shaft, an



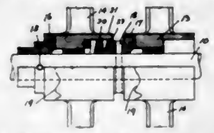
arm extending from said block out of the slot and toward the side of the shaft opposite the pivot, and means for normally maintaining the block in physical contact with said shaft.

2,140,870
CONCEALED GUN CARRIER FOR MOTOR VEHICLES
Rolla R. Emery, Kansas City, Mo.
Application July 20, 1937, Serial No. 154,655
1 Claim. (Cl. 224—2)



Means for supporting a gun in a motor vehicle comprising a casing supported in the vehicle with its rear end opening out through a part of the instrument board of the vehicle, said casing having a reduced front end for receiving the front portion of the barrel of a gun and said casing being shaped to support the gun by the internal walls of the casing, a pair of telescoping members in the lower portion of the front end of the casing, one member having its front end connected with the front end of the casing and the other member having its rear end engaging a part forming a portion of the gun, a spring encircling the telescopic members and tending to move the rear member rearwardly and to throw the gun from the casing and a leaf spring having one end connected with the rear end of the rear telescoping member and the rest of the spring extending upwardly and forwardly to engage a part of the gun barrel and to guide said barrel into the front end of the casing above the telescoping members, latch means for holding the gun in the casing and manually operated means on the instrument board for releasing the latch means.

2,140,871
AGRICULTURAL ROTOR
Leonard Lesslie Hart, Northmead, New South Wales, Australia
Application June 22, 1937, Serial No. 149,761
In Australia January 15, 1937
1 Claim. (Cl. 97—216)



In a tilling machine, a driven shaft, spacing members fast thereon and each having a radial clutch face, and some of said members also having an axially-extending hub opposite to its clutch face, and casing members between said

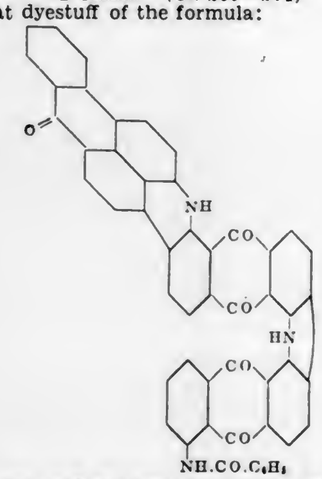
spacing members adapted to carry earth-working tools, some of said casing members each having at one side a clutch face engaging the clutch face of a spacing member, and having also a hub on its other side axially extending over the extended hub of a spacing member, and a coil spring between adjacent spacing and casing members urging a casing member into clutch contact with a spacing member, said spring being disposed between the extended hub portions of said members and being substantially covered by that of a casing member.

2,140,872
PROCESS OF REFINING CAMPHOR
Lee Cone Holt, Wilmington, Del., and Gastaõ Etzel, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 2, 1936, Serial No. 99,162
8 Claims. (Cl. 260—589)

1. In a process of preparing camphor for use in photographic film, the steps which comprise surrounding camphor with an oxygen-free medium, heating the camphor to at least a molten stage unexposed to oxidizing agents until fog-producing impurities are destroyed, and finally cooling the heat-treated camphor to a temperature at which it is unreactive with oxygen while still maintaining a non-oxidizing surrounding atmosphere.

2,140,873
VAT DYESTUFFS
Ernst Honold, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application August 5, 1936, Serial No. 94,339. In Germany August 10, 1935
1 Claim. (Cl. 260—274)

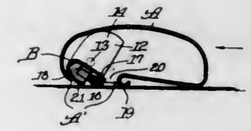
A vat dyestuff of the formula:



which dyestuff dissolves in concentrated sulfuric acid with a greenish blue color and dyes cotton from a brown vat very fast yellowish olive shades.

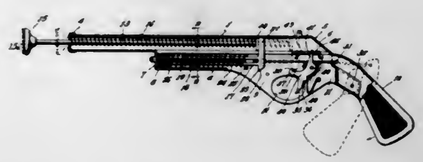
2,140,874
SUCTION NOZZLE
Agnes S. Juelson, Chicago, Ill.
Application April 27, 1935, Serial No. 18,591
6 Claims. (Cl. 15—158)

1. A suction nozzle comprising a housing affording an intake opening, a pivoted valve member carried by said housing and provided with a lip controlling the size of said opening, means actuated by the movement of the nozzle over a surface for rotating said valve, and stop means for limiting the extent of rotation of said valve.



5. In a nozzle of the character set forth, a housing affording an intake opening, a rocker member pivotally mounted in the central portion of said housing and equipped with a brush, said rocker member being actuated by the movement of the nozzle over a surface, stop means on said rocker member for maintaining said brush in a trailing position when said nozzle is moved over a surface in one direction, said stop means also being adapted to engage said housing to prevent flow of air on one side of said rocker member as the nozzle is being moved over a surface in one direction and to disengage said housing to permit flow of air when the movement of said nozzle is reversed.

2,140,875
SWATTER GUN
John E. Kahler, Kankakee, Ill.
Application April 28, 1938, Serial No. 204,854
6 Claims. (Cl. 43—135)

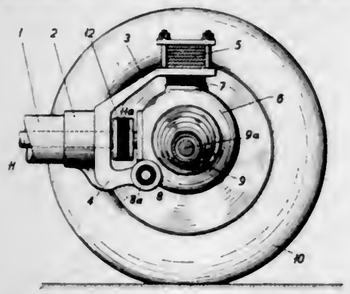


1. In a swatter gun, an upper barrel, a lower barrel connected therewith, a breach connecting the inner ends of the barrels, means closing the outer ends of the barrels, a stem slidable in the upper barrel, a plunger slidable in the lower barrel and having a striking member provided with an upper portion engageable with the stem, means on the plunger for urging the plunger forwardly, and a trigger carried by the breech and engageable for releasing the plunger whereby said plunger will be urged forwardly by said second mentioned means for contacting the striking member with the stem and advancing said stem in the barrel.

2,140,876
ARRANGEMENT AND MOUNTING OF THE AXLE GEAR IN MOTOR VEHICLES
Miloš Klavík, Koprivnice, Moravia, Czechoslovakia
Application July 24, 1937, Serial No. 155,531
In Czechoslovakia March 26, 1936
4 Claims. (Cl. 180—73)

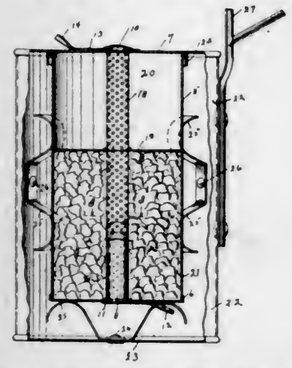
1. In a motor vehicle having independently sprung driving wheels and a central longitudinal chassis member, a cranked extension of said chassis member secured to the axle gear casing with the interposition of yielding and shock and

noise absorbing means, said yielding connection being adapted to absorb the horizontal forces



produced by the resistance to travel and also the braking forces.

2,140,877
EMERGENCY LIGHT AND WATER CONTAINER THEREFOR
Charles Linhardt, Jr., Baltimore, Md.
Application February 6, 1937, Serial No. 124,454
1 Claim. (Cl. 48—35)

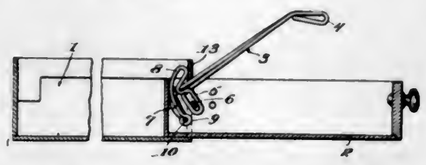


A portable emergency light and water container therefor, comprising a carbide casing having a water entrance and gas exit therein, removable closures for the entrance and exit, a perforated supporting tube secured to the entrance and extending upwardly in the casing, a perforated conveying tube secured to and about the first named tube and having its free ends secured to and about the entrance and exit openings, and a portable water container provided with interior flexible means to receive and retain said carbide casing in vertical position in said container so that the device may be held against displacement in transit.

2,140,878
PRESERVATION OF TIMBER
Rebecca Lurie, Johannesburg, Union of South Africa
No Drawing. Application March 9, 1935, Serial No. 10,341. In the Union of South Africa March 31, 1934
5 Claims. (Cl. 134—78.6)

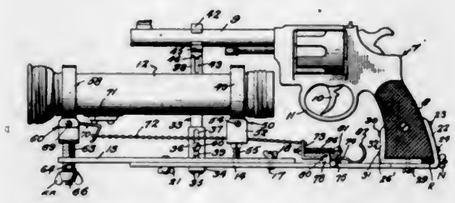
1. The process of manufacturing a timber preservative which comprises mixing a solution of a zinc salt and a solution of a fluoride with a solution of dinitrophenol, without heating, the zinc salt being present in sufficient quantity to effect conversion of most of the soluble fluoride into zinc fluoride.

2,140,879
GUARD FOR DRAWERS
George Robert O'Neal, Beltsville, Md., assignor to George H. Hutaff, Jr., Wilmington, N. C.
Application April 5, 1937, Serial No. 135,162
2 Claims. (Cl. 45—2)



1. A guard for drawers comprising a skeleton frame having a width slightly less than the width of a drawer and a length greater than two-thirds of the length of the drawer, depending portions at one end of said frame, elongated depending eyes at the other end of said frame, a shaft extending freely through said eyes and connected to opposite sides of the drawer for hingedly and slidably connecting the frame on the drawer, spring means acting on the hinged end of the frame for urging the depending portions against the contents of the drawer.

2,140,880
ILLUMINATING AIMING ATTACHMENT FOR FIREARMS
Carl Benton Osborn, Tampa, Fla.
Application May 4, 1936, Serial No. 77,871
7 Claims. (Cl. 240—6.41)



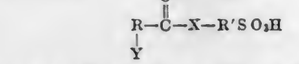
1. A firearm having a barrel and a stock, a support, adjustable means for detachably clamping one end of said support to the stock, means for detachably connecting said support to the barrel and substantially parallel to said barrel, a casing having means therein for directing and focusing a beam of light, and means for mounting said casing between said barrel and support on the support, said means being adjustable to vary the angle of the beam of light with respect to the axis of the barrel.

2,140,881
INTENSIVE ELECTRIC ARC CARBON
Jean Parisot, Paris, France, assignor to Compagnie Lorraine de Charbons pour l'Electricité, Paris, France, a company of France
No Drawing. Application January 8, 1936, Serial No. 58,226. In France January 25, 1935
5 Claims. (Cl. 176—121)

1. An intensive arc carbon anode of the class described, comprising a shell of commercially pure carbon and a core which consists solely of carbon and at least one of the materials comprised in the group of free metals having atomic numbers between 23 and 28 inclusive and mixtures of such free metals with insoluble compounds of the rare earth metals.

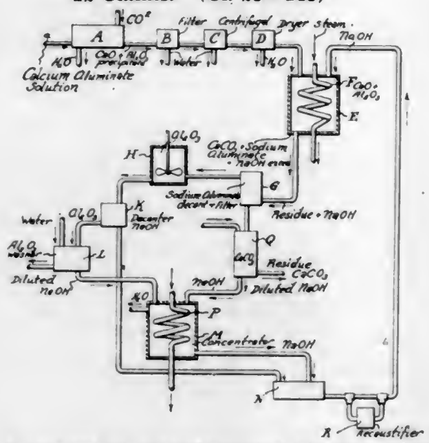
2,140,882
WETTING, CLEANING, BLEACHING, FOAMING AND DISPERSIVE AGENTS FOR TEXTILE PURPOSES AND THE LIKE AND APPLICATION OF THE SAME
Meindert Danius Rozenbroek, Delden, Twente, Overijssel, Netherlands, assignor of one-half to Naamlooze Vennootschap Chemische Fabriek Servo, Delden, Netherlands, a corporation of the Netherlands
No Drawing. Application January 25, 1934, Serial No. 708,332. In the Netherlands January 30, 1933
1 Claim. (Cl. 252—1)

A treatment bath comprising a treatment liquid and in addition thereto a compound of the general formula



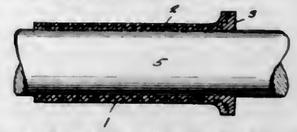
where R is an aliphatic hydrocarbon main chain of at least 6 carbon atoms; Y is a member of the group consisting of R', OR', COR', and NHR', being linked through the O, N, or C atom to a carbon atom in the main chain which last carbon atom is linked to two carbon atoms in the main chain; X is a member of the group consisting of O and NH; and R' is an aliphatic hydrocarbon group of at least two carbon atoms.

2,140,883
METHODS OF MANUFACTURING ALUMINA
Jean Charles Séailles, Paris, France
Application June 3, 1935, Serial No. 24,768
In Luxemburg June 16, 1934
12 Claims. (Cl. 23—143)



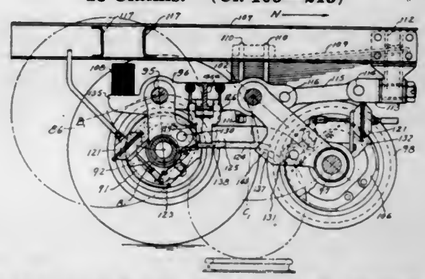
1. A process of manufacturing alumina which comprises, forming an aqueous solution of calcium aluminate from crude material containing such, freeing said solution from insoluble material and treating clear solution of calcium aluminate by an acid the calcium salt of which is insoluble, separating the precipitate resulting from this treatment, treating this precipitate by a hot solution of caustic alkali of a concentration in alkali averaging that which corresponds to the spontaneous decomposition of the corresponding alkaline aluminate into alkali and alumina, removing the residue that is not dissolved in said solution of alkali, cooling, while stirring, this solution thus obtained, whereby alumina precipitates, separating this precipitate and washing it with water.

2,140,884
OARLOCK SLEEVE
Oscar J. Shape, Minocqua, Wis.
Application March 4, 1938, Serial No. 193,982
1 Claim. (Cl. 9—24)



An oar lock sleeve for attachment to the shaft of an oar comprising a cylindrical member of rubber split longitudinally along one side and of the appropriate size to surround said shaft with its split edges abutting, said member being molded to impart thereto an inherent cylindrical form, and having a lateral flange at one end thereof, and a reinforcing element extending throughout the same and into said flange.

2,140,885
COMBINED HIGHWAY AND RAIL VEHICLE AXLE
Harold A. Soulis, Easton, Pa.
Application May 13, 1935, Serial No. 21,128
13 Claims. (Cl. 105—215)

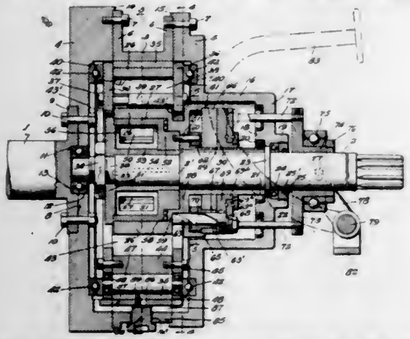


2. In combination, an axle, dual wheels for highway operation and wheels for rail operation, mounted at each end of said axle, a braking system having brake shoes mounted on a backing plate, said backing plate being normally fixed against rotation, an eccentric mounting for said rail wheels and means to apply said braking system to turn said eccentric mounting through an arc sufficient to raise or lower said rail operating wheels so that the rail wheels may be lowered and the highway wheels raised or the rail wheels may be raised and the highway wheels lowered, to a service position, when the said rail wheels or said highway wheels are rotated, said backing plate being capable of a limited arcuate movement, when the braking system is effective in the shift from one set of wheels to the other.

2,140,886
HYDRAULIC CLUTCH
Franklin E. Staats, Peoria, Ill., assignor to Staats Hydraulic Appliance, Inc., Peoria, Ill., a corporation of Illinois
Application October 21, 1936, Serial No. 106,862
20 Claims. (Cl. 192—58)

1. In a hydraulic clutch, a rotary casing adapted to be driven by a power unit, a driven shaft extending into said casing through a side thereof and rotatably mounted, a rotor fixed to said driven shaft eccentric to the peripheral wall of said casing to provide a compression chamber between the rotor and the peripheral wall of the casing for a portion of the circumference thereof, plungers slidable radially of the rotor and moving

through the compression chamber as the casing turns about the rotor, said rotor being provided with means for conducting liquid solely through a predetermined channel from one side of each of the plungers to another side thereof and per-



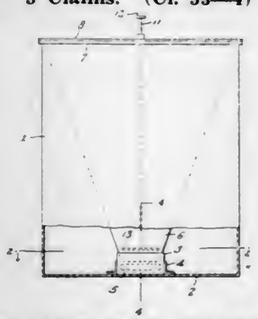
mit rotation of said casing relative to the rotor, and means for gradually reducing flow of liquid about the plungers and causing the liquid to apply pressure to the plungers to cause rotation of the rotor and the driven shaft with the casing at controlled speed.

2,140,887
METALLIC MOLDING CONSTRUCTION AND THE LIKE
George A. Tinnerman, Rocky River, Ohio, assignor to Albert H. Tinnerman, Cleveland, Ohio
Application October 12, 1937, Serial No. 168,673
14 Claims. (Cl. 189—88)



2. A combination of the class described, comprising, a member having an opening, and a second member connected thereto in fixed relation therewith, said second member including an element struck and formed therefrom to provide an opening and retainer means having cooperative engagement in the opening in said first member for preventing displacement and relative shifting movement of the members in assembled relation, and fastening means applied from one side only of the assembly to the opening presented in said second member by said element struck therefrom and receivable in the openings in both said members for securing the same in assembled relation.

2,140,888
CORN POPPER
William G. Twyman, Poteau, Okla.
Application March 10, 1938, Serial No. 195,124
3 Claims. (Cl. 53—4)

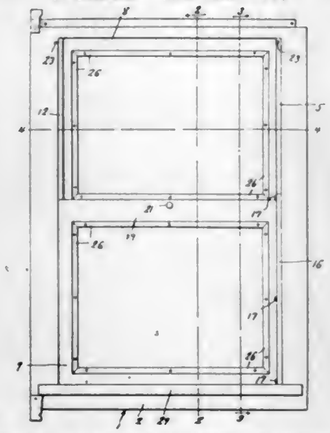


1. A corn popper of the class described comprising a pan for the reception of oil, electric heating means in the pan submerged in the oil and adapted to heat said oil, a hopper, for the reception of corn, having its lower portion extending into the pan and including a bottom having perforations therein for the passage of the oil thereinto, and a cover for the corn mounted for vertical movement in the hopper, said hopper including means on its walls for retaining the popped corn above the oil.

2,140,889
METHOD FOR PRODUCING MAGNETIC POWDER
Hans Vogt, Berlin-Steglitz, Germany, assignor to Micro Products Corporation, Hastings on Hudson, N. Y., a corporation of Delaware
No Drawing. Application January 27, 1936, Serial No. 61,111. In Germany January 30, 1935
9 Claims. (Cl. 75—129)

1. A method of producing magnetic powder which comprises heating an intimate mixture of a finely divided solid iron-containing material of the group consisting of iron, iron oxides, and iron hydroxides with a finely divided solid material of the group consisting of silicon and aluminum and their alloys in a non-oxidizing atmosphere to a temperature sufficient to cause the silicon or aluminum to alloy with the iron but insufficient to cause sintering together of the particles.

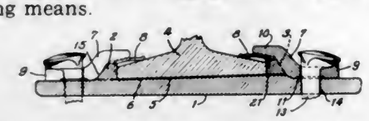
2,140,890
WINDOW
Joseph J. Waitekaites, Stambaugh, Mich.
Application November 10, 1936, Serial No. 110,137
1 Claim. (Cl. 189—67)



A window of the class described comprising a hollow sheet metal frame including spaced guides, said guides comprising removable sections, vertical rods of circular cross section mounted in the frame adjacent one side thereof, said one side of the frame having spaced, parallel depressed portions forming channels therein of arcuate cross-section, hollow sheet metal sashes mounted for sliding and swinging movement on the rods, one side of said sashes being substantially rounded for engagement in the channels, said sashes being adapted to swing in a horizontal plane on the rods when the removable guide sections are detached from the frame.

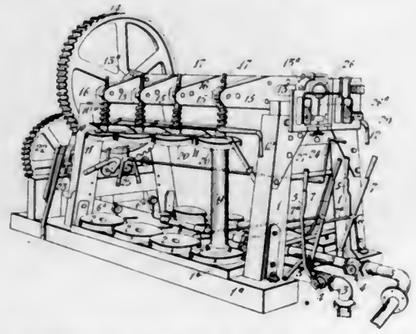
2,140,891
RAIL FASTENING
William S. Boyce, Chicago, Ill.
Application December 21, 1934, Serial No. 758,569
18 Claims. (Cl. 238—351)

1. In a rail fastening, the combination of a tie plate having a rail abutting shoulder intermediate its opposite ends and provided with an undercut opening, a clip having a body portion seated on a portion of the tie plate outwardly of said shoulder and a lip portion projecting inwardly beyond said shoulder for overlying the base flange of a rail when seated on the tie plate, said clip having a shoulder portion constituting, in effect, a vertical extension of said tie plate shoulder and said lip extending into said overlying relation in upwardly spaced relation to such base flange, said clip having means integral therewith for entering said undercut opening to lock the clip to the tie plate against vertical displacement, the plate and clip when assembled having registering openings for receiving a spike or the like for locking the clip to the tie plate against lateral displacement to thereby prevent disengagement of said vertical locking means.



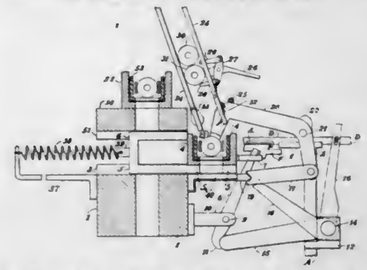
15. In combination, a tie plate having a rail thrust-resisting shoulder, a rail seated on the plate and having a base flange, a clip secured to an end portion of the plate and having a lip projecting beyond said shoulder to overlie the base flange of the rail, and a leaf spring having a portion clamped between said clip and shoulder and another portion clamped between said shoulder and base flange of the rail, the leaf spring extending inwardly over the base flange and yieldingly urging the same against its seat on the plate.

2,140,892
PIPE TESTING MACHINE
William Brittain, Darra, Queensland, Australia
Application May 22, 1936, Serial No. 81,236
1 Claim. (Cl. 73—51)



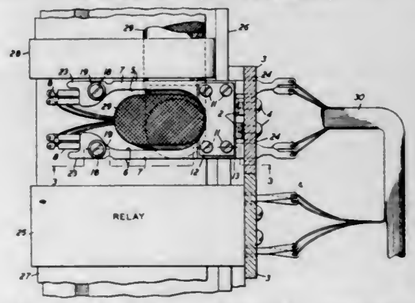
In a machine for testing pipes having a frame for holding the pipes under test, the combination of a main shaft rotatably mounted in said frame, a plurality of rocker arms fixedly mounted on said shaft, spindles fitted to the ends of said rocker arms and each carrying a pipe engaging disc for closing one end of the pipes under pressure, a plurality of rubber discs mounted in said frame for closing the other end of said pipes, means for supplying fluid to said pipes under testing pressure comprising main supply pipes having control taps and discharge cocks, levers for operating said control taps and separate levers including connecting rods for operating said discharge cocks, pressure gauges fitted to said main supply pipes, branch pipes connected with said main supply pipes having manually and independently controlled taps, and means for rotating said shaft to increase the pressure of the engaging discs on the ends of the pipes so as to retain the fluid under test pressure within the pipes being tested.

2,140,893
AUTOMATIC LOOM
John C. Brooks, Paterson, N. J., assignor to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware
Application June 2, 1937, Serial No. 145,950
11 Claims. (Cl. 139—241)



1. In a loom utilizing a pair of simultaneously active weft carriers weaving in different sheds, weft replenishing mechanism, a pair of aligned weft-carrier receiving boxes at one side of the loom, means supporting said boxes and arranged to permit one of said boxes to be moved out of alignment with the said other box and means to move said movable box out of alignment with the said other box and into registry with weft replenishing mechanism, whereby the latter may replenish the weft carrier in said movable box without interference from said other box.

2,140,894
TERMINAL STRIP
Wolfe W. Brown, Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 28, 1936, Serial No. 71,413
6 Claims. (Cl. 173—324)



1. A terminal strip assembly comprising a mounting plate and two banks of terminal strips insulatedly attached near one end in parallel relation to the ends of said plate, each of said banks comprising a plurality of terminal strips insulated from each other and each strip having a soldering lug on each end thereof, the space between the longer ends of said banks enabling the placement of a cable of wires for connection to the adjacent ends of the strips of said banks.

2,140,895
METHOD AND APPARATUS FOR COOLING BREW
John M. Bruce, New York, N. Y.
Application October 17, 1936, Serial No. 106,091
15 Claims. (Cl. 62—141)

1. Apparatus for use in dispensing brew from a

brewers' transportation barrel including, a cabinet adapted to accommodate a brewers' barrel therein, said cabinet having insulated front, rear and top and bottom enclosing walls, a door-opening in one of said walls through which a brewers' barrel may be inserted into and removed from the cabinet, an insulated door for said opening, a refrigerating coil, means for holding a sup-



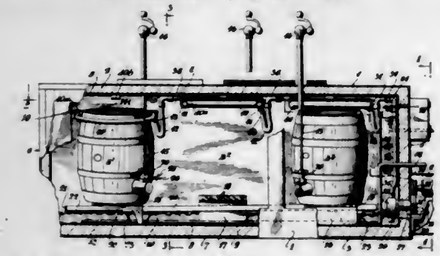
ply of cooling liquid in heat exchange relation with said coil, means for supplying a refrigerant to said coil, and means in said cabinet for projecting a stream of such cooling liquid over substantially the entire exterior side wall area of a brewers' barrel positioned in the cabinet and under the liquid projecting means to maintain the brew within the barrel at potable temperatures.

2,140,896

LIQUID COOLING SYSTEM

John M. Bruce, New York, N. Y.

Application November 16, 1937, Serial No. 174,761
17 Claims. (Cl. 62—141)



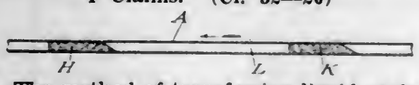
1. A brew apparatus for use in a brew dispensary including, an enclosed chamber adapted to accommodate a plurality of brew transportation containers therein, refrigerating coils positioned adjacent the bottom of said chamber, a cooling device operative to circulate a film of the cooling liquid over a substantial part of such container walls to cool the brew therein, means for collecting the cooling liquid which has passed over such containers and conducting the same toward one end of said chamber, and means for conducting said cooling liquid toward the opposite end of said chamber in flowing contact with said refrigerating coils to re-cool the same.

2,140,897

MANUFACTURE OF EXPLOSIVES

William Arthur Percival Challenor, Ardrossan, and Gordon Aldridge Scott, West Kilbride, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

Application October 14, 1936, Serial No. 105,608
In Great Britain October 21, 1935
4 Claims. (Cl. 52—20)



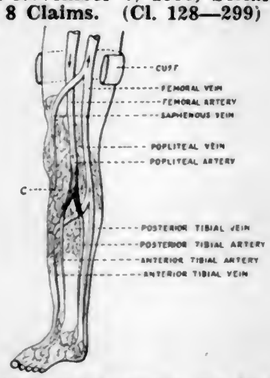
1. The method of transferring liquid explosive nitric esters, which comprises forming an aqueous emulsion with said explosive and forcing said emulsion through a conduit, along with an amount of air sufficient to cause turbulence.

2,140,898

METHOD OF AND APPARATUS FOR PRODUCING INTERMITTENT VENOUS OCCLUSION

William S. Collens, Nathan D. Wilensky, and Stanley A. Kroll, Brooklyn, N. Y., assignors to U. M. A. Inc., New York, N. Y., a corporation of New York

Application November 7, 1935, Serial No. 48,748
8 Claims. (Cl. 128—299)



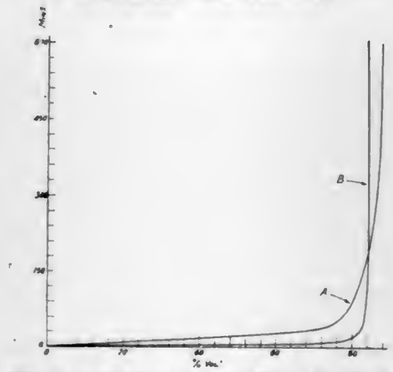
1. A method of increasing the blood circulation through an extremity whose arterial flow is insufficient, which includes the steps of obstructing the venous flow solely at a relatively narrow zone of the proximal portion of said extremity for a relatively short period of time without interfering with the arterial flow therethrough, removing the obstruction at the end of said period, restoring the said venous flow obstruction at said zone after the expiration of a relatively short period of time, and alternating the said obstruction removal and restoration at said zone at a predetermined frequency over a relatively long period of time.

2,140,899

GRAVITATION CONCENTRATION OF MINERAL VALUES, PARTICULARLY COAL

George William Davidson, London, England

Application February 4, 1937, Serial No. 123,979
In Great Britain February 6, 1936
14 Claims. (Cl. 209—173)



4. The preparation of a medium for the gravity concentration of values in mixtures of minerals

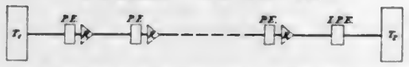
of different specific gravities respectively above and below the specific gravity of the medium, which comprises the steps of forming an aqueous dispersion of a mixture of substances which includes an argillaceous substance, the substances being present in such quantity that the dispersion has a specific gravity between the respective specific gravities of the minerals to be separated, and adding thereto a flocculating agent consisting of salt-treated starch in such proportion that the initial deposition of the particles produced by the addition of said agent changes from a comparatively rapid rate to a rate lower than the normal deposition rate without such agent.

2,140,900

DISTORTION CORRECTION IN WAVE TRANSMISSION

John T. Dixon, New York, N. Y., and John G. Kreer, Jr., Bloomfield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 10, 1937, Serial No. 158,296
8 Claims. (Cl. 178—44)



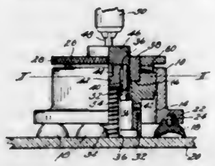
1. In a signal transmission system comprising a transmission line adapted for a wide band of frequencies, a plurality of repeaters in tandem in said line, means for increasing the ratio of signal to modulation products for the system comprising phase equalizing means introduced in the line dividing the line into electrically equal sections, the phase frequency characteristic of each equalizer plus its section being such that a straight line drawn through any three points on the portion of the characteristic lying within the useful band has a phase intercept other than zero at zero frequency.

2,140,901

CUTTING DEVICE

Merrill A. Etzenhouser and William D. Hawn, Independence, Mo.; said Hawn assignor to said Etzenhouser

Application March 6, 1936, Serial No. 67,473
11 Claims. (Cl. 125—20)



1. In a cutting device of the kind described, a holder provided with a bore therethrough; resilient means on the holder for securing the holder in place upon the surface of the work; and a center finder having a peep-hole formed therethrough movable to and from a position in the bore of the holder for the purpose specified.

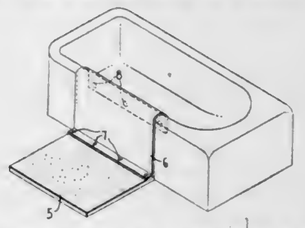
2,140,902

APRONED ABSORBENT BATH MAT

Emanuel M. Fischer, New York, N. Y.

Application November 20, 1937, Serial No. 175,609
3 Claims. (Cl. 4—185)

1. An article of the kind described, comprising a mat made of moisture absorbent material adapted to rest on the floor adjacent the side of a bath tub and an apron made of comparatively thin waterprooof material secured to said absorbent mat and adapted to extend upwardly



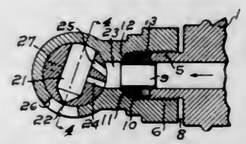
from said mat along the outer side of the bath tub and over the top of the bath tub.

2,140,903

SPRAYING NOZZLE

Merton L. Fisk, Somerville, Mass.

Application June 20, 1936, Serial No. 86,277
5 Claims. (Cl. 299—138)



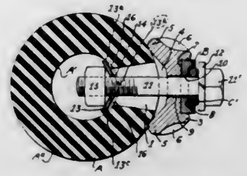
1. In a whirling-spray nozzle, in combination, a casing member, and a circular element mounted for rotation within the casing member, said element being provided with a circular chamber having an axially disposed outlet and, an inlet passageway entering said chamber in a line substantially tangent to the circular wall thereof, whereby a normal stream of liquid upon entering the chamber will be transformed into a whirling column, for the purpose set forth.

2,140,904

CONNECTING DEVICE

Charles Adin Fox, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri

Application May 22, 1935, Serial No. 22,779
5 Claims. (Cl. 85—1)



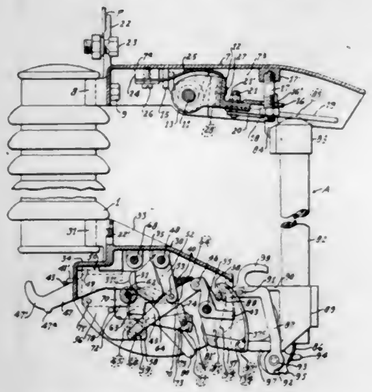
1. In combination with a structure having an opening formed therein which is provided with a curved face and provided with an aperture which communicates with said opening and is open at the outer face of said structure, a connecting device for connecting an attachment to said structure, said connecting device including an element arranged in contact with the outer face of said structure at points removed from the edge of the open, outer end of said aperture and being out of contact with said outer face of said structure at points adjacent to said edge of said open, outer end of said aperture, a bolt which engages the attachment connected to said structure and passes through an opening in said element and is extended through said aperture of

said structure, a nut mounted on the portion of said bolt which is disposed within said opening of said structure for movement longitudinally thereof, and a washer formed of spring material interposed between and in contact with said nut and the curved face of said opening of said structure, said washer being adapted to be drawn into substantially V-shaped form when the connecting device is tightened so as to cause portions of the washer to be in line contact with said curved face of the opening of said structure at a plurality of separated points and being spaced from said curved face of said opening at points between said separated points.

2,140,905
TURBINE BLADE
Russell Franks, Niagara Falls, N. Y., assignor to Union Carbide and Carbon Research Laboratories, Inc., a corporation of New York
No Drawing. Application May 2, 1936, Serial No. 77,549
2 Claims. (Cl. 253—77)

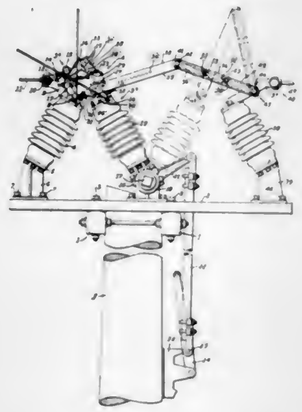
1. Turbine blade having high strength, high resistance to oxidation, and high ductility and toughness when exposed to superheated steam at high pressures, said turbine blade being composed of a steel containing about 12% to about 16% chromium, carbon in amounts up to about 0.2%, and about 0.05% to less than 0.2% nitrogen, the remainder being substantially all iron, the nitrogen being distributed substantially uniformly throughout the steel.

2,140,906
FUSE SWITCH
Olav Froland, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application August 10, 1936, Serial No. 95,156
20 Claims. (Cl. 200—126)



1. A fuse switch comprising a plurality of fusing units including each a movably supported carriage and a fuse cartridge supported thereby, a coil spring connected to the carriage of each fusing unit and adapted to move said carriage, cocking means including a plurality of assembled levers associated with each fusing unit, one lever of each assembly of levers being connected to the associated carriage, supporting means for engaging the last-mentioned lever so as to maintain the associated carriage in a cocked position and the coil spring in a tensioned condition, and tripping means engaging said supporting means and adapted to be contacted by a part of another of the fusing units during movement thereof out of the fusing position for displacing said supporting means from its lever-engaging position so as to permit the associated coil spring to move the associated carriage to a position where the fuse cartridge carried thereby assumes the fusing position.

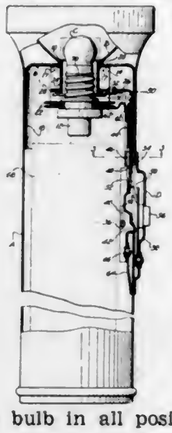
2,140,907
ELECTRICAL SWITCH
Olav Froland, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application February 23, 1937, Serial No. 127,077
6 Claims. (Cl. 200—48)



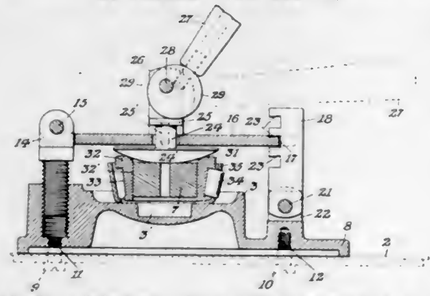
1. An electrical switch comprising a stationary contact assembly, a movable contact assembly, means for moving said movable contact assembly into and out of electrical contact with said stationary contact assembly, a terminal for a line conductor, and means for conducting electrical energy from said terminal to said movable contact assembly, said means comprising a pair of links pivotally connected together and pivotally attached to said terminal and said movable contact assembly, and an elongated, substantially rigid element supported by one of said links and contacting at its opposite ends with a part of the other link and a part of said terminal for conducting electrical energy from said terminal to said other link, said opposite ends of said elongated element being displaced from alinement with the central portion of the elongated element whereby said end portions contact with said parts of said other link and the terminal with considerable compressive force.

2,140,908
FLASHLIGHT
Herman G. Graubner, New York, N. Y., and Albert G. Saurwein, Cleveland, Ohio, assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application July 5, 1935, Serial No. 29,792
11 Claims. (Cl. 240—10.69)

1. In a flashlight; a casing; a lamp bulb mounted in said casing; a diffusing screen movably mounted in said casing in operative relation with said lamp bulb; a member movably mounted on said casing; and means rigidly connecting said screen and said member for movement as a unit relatively to said lamp bulb to control the character of the projected light beam, said member including means continuously controlling the circuit to said lamp bulb in all positions of said member.

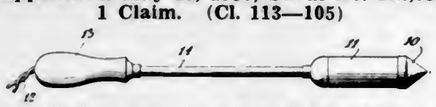


2,140,909
GREASE DISPENSING APPARATUS
Charles A. Green, Philadelphia, Pa.
Application November 11, 1935, Serial No. 49,215
18 Claims. (Cl. 184—1)



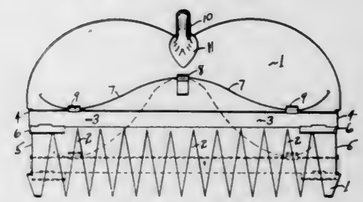
11. In a lubricant dispensing apparatus; a seat affording a support for a bearing to be lubricated and having a valve controlled lubricant inlet port; a lubricant supply conduit extending from said port, for communication with a source of lubricant under pressure; means closing the end of the bearing remote from said seat; and means for clamping said bearing in cooperative relation with said seat.

2,140,910
SOLDERING IRON TIP
Franz R. Hensel and Earl I. Larsen, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application May 15, 1937, Serial No. 142,783
1 Claim. (Cl. 113—105)



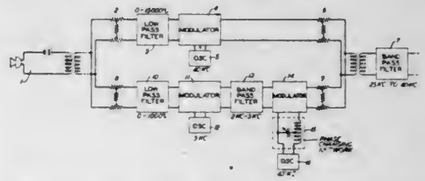
A soldering iron tip adapted for use in contact with molten solder, said tip being formed of an age-hardened copper alloy, said alloy being composed principally of copper and containing percipitation hardening compounds of a type adapted to resist attack and intercrystalline penetration of molten solder and consisting of cobalt silicide and cobalt phosphide in amounts sufficient to effect percipitation hardening of said copper.

2,140,911
SELF-CLEARING HOE
Arthur James, Youngstown, Ohio
Application February 28, 1938, Serial No. 193,059
2 Claims. (Cl. 55—146)



1. In a weeding hoe comprising a hoe blade having a handle attached thereto, a plurality of jaws formed in the cutting edge of the hoe blade and adapted to grip the stems of weeds, a clearing bar slidably positioned over the jaws and adapted to clear weeds therefrom, channels formed in the said hoe blade and adapted to receive the said clearing bar and limit its movement thereon, projecting brackets formed on the said clearing bar and adapted to contact the ground and raise the said clearing bar when the hoe blade is placed therein.

2,140,912
SINGLE SIDE-BAND TRANSMISSION SYSTEM
George H. Huber, Manhasset, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 27, 1937, Serial No. 122,578
7 Claims. (Cl. 179—171)

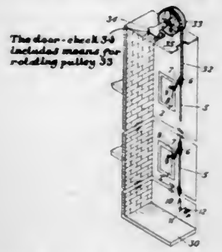


1. A system for separating a desired side-band of an amplitude modulated carrier wave from the complementary side-band comprising means for producing a neutralizing band of waves equal in amplitude and opposite in phase to that portion of the unwanted side-band most closely adjacent the wanted band, a filter having a transmission range including the wanted band and a portion of the unwanted side-band corresponding to said neutralizing band, and means for superposing together upon the input terminals of the filter the two bands to be separated together with the neutralizing band whereby only the wanted band may appear in the output of the filter.

2,140,913
DOOR CLOSING APPARATUS
Henry Jerum, New York, N. Y.
Application June 27, 1935, Serial No. 28,675
2 Claims. (Cl. 268—18)

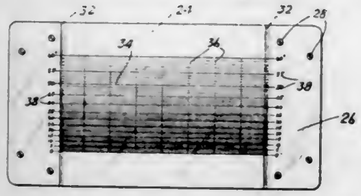
1. The combination of a door-check, a pulley coupled to the door-check, a plurality of doors spaced vertically from each other, an elongated member having a plurality of non-flexible elements coupled by links to each other, a plurality of lateral chains each connecting one of the doors to one of the coupling links, a flexible cord wound about the rim of the pulley, one end of the flexible cord being fastened to the pulley and the other

end to the upper end of the elongated member, the lower end of the elongated member being ver-



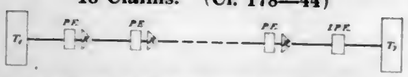
tically movable within predetermined limits, and means for rotating the pulley in either direction.

2,140,914
MEASURING DEVICE
Gottdank L. Kothny, Strafford, Pa., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa., a corporation of Delaware
Application July 29, 1932, Serial No. 625,843
5 Claims. (Cl. 33—1)



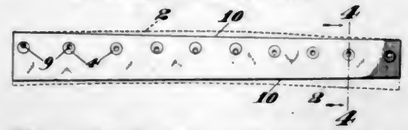
1. A measuring device designed for use in conjunction with an inclination record which comprises a cylindrical record sheet designed to be marked by the surface of a liquid, said device comprising a base and a transparent plane member carried by the base, said base providing a guide for a developed record sheet to locate it in predetermined position relative to said member, the member having a scale thereon which, when used to measure the swing of the sinuous record formed on a developed record sheet, will indicate directly the inclination to the vertical of the axis of the cylinder formed by the record sheet when the record was made.

2,140,915
DISTORTION CORRECTION IN WAVE TRANSMISSION
John G. Kreer, Jr., Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 10, 1937, Serial No. 158,295
18 Claims. (Cl. 178—44)



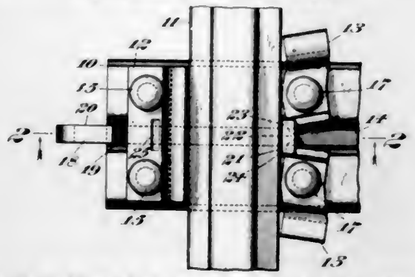
1. In a signal transmission system comprising a transmission line with a plurality of repeaters in tandem, the method of reducing the ratio of modulation products to signal intensity which consists in introducing phase distortion at a plurality of points, the phase distortion being of such character as to produce similar angular shift, in the same direction, of the modulation voltages produced in successive repeaters and to keep the maximum resultant modulation voltage for any one frequency below a definite value regardless of the number of repeaters.

2,140,916
MANUFACTURE OF METAL PRODUCTS
Edward R. Long, Bethlehem, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application March 27, 1937, Serial No. 133,311
4 Claims. (Cl. 76—104)



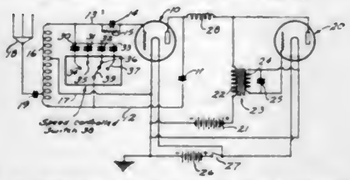
1. The method of manufacturing hardened metal articles containing accurately positioned holes which consists of forming in said articles holes of larger dimensions than those of the desired holes, subjecting the article to a hardening process, inserting plugs of relatively soft metal in said previously formed holes, and forming accurately positioned holes in said plugs.

2,140,917
LOCKING DEVICE
George Phillips Mahood, Bluefield, W. Va., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application November 19, 1936, Serial No. 111,565
11 Claims. (Cl. 238—338)



1. A locking device, a clip rotatably mounted on a tie independently of the locking device and retained by said locking device in its assembled position with a rail of a track structure, said device comprising an elongated body portion, a toe portion integral with one end of the body portion adapted to engage the rotatable clip and a hook portion integral with the other end of the body portion adapted to engage a member of the track structure to retain said locking device in its assembled condition with the clip.

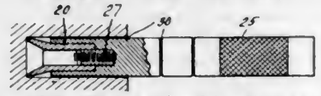
2,140,918
SYSTEM FOR POLICING VEHICLES IN TRAFFIC
Donald E. Marshall, Palos Verdes Estates, Calif.
Application December 7, 1935, Serial No. 53,332
8 Claims. (Cl. 177—311.5)



1. In a system for policing a plurality of vehicles in traffic, the combination of: a radio receiving station tuned to a given radio frequency representative of a prohibited range of speed;

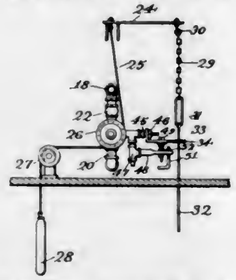
a radio transmitter on each of said vehicles modulated to produce a signal of distinctive character at said receiving station; and means on each vehicle adapted in response to the speed of said vehicle to change the radio frequency of the associated transmitter to said given frequency when the vehicle travels in the corresponding prohibited range of speed.

2,140,919
BOLT ANCHOR
James C. Mushet, Roselle Park, N. J., assignor to Star Expansion Bolt Company, New York, N. Y., a corporation of Illinois
Application February 18, 1937, Serial No. 126,369
8 Claims. (Cl. 72—105)



1. In combination, a combination anchor element and hollow drill having a threaded bore and an outwardly flared end portion provided with a cutting edge and a tool having a recess to receive the outer portion of the anchor element and a threaded stud therein to engage the threaded bore.

2,140,920
LEAD LINE SAMPLER
Alson C. Myracle, Orange, Calif.
Application October 17, 1936, Serial No. 106,077
13 Claims. (Cl. 73—21)

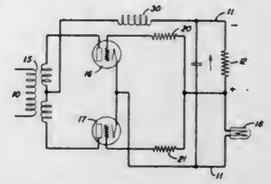


1. A line sampler comprising means providing a housing adapted to be inserted in a conduit, agitating means in the housing for agitating and mixing the fluids flowing therethrough, means for operating the agitating means, an outlet valve from the housing independent of the agitator, and means for periodically opening the outlet valve.

2,140,921
MANUFACTURE OF SOLUTIONS OF A POLYMERIZED VINYL COMPOUND
Herbert Rein, Leipzig, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application December 6, 1935, Serial No. 53,161. In Germany December 8, 1934.
11 Claims. (Cl. 134—26)

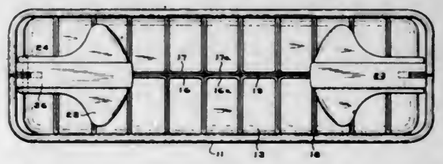
10. A solution of a polyvinyl resin selected from the group consisting of polyacrylic acid nitrile, polyvinyl acetals, interpolymers derived from acrylic acid nitrile and another vinyl compound, and interpolymers derived from acrylic acid and another vinyl compound, in a concentrated aqueous solution of a highly water-soluble hydrated metal salt selected from the group consisting of chlorides, bromides, iodides, thiocyanates, perchlorates and nitrates.

2,140,922
GRID CONTROLLED RECTIFIER CIRCUIT
George H. Rockwood, Jr., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 25, 1936, Serial No. 76,354
2 Claims. (Cl. 175—363)



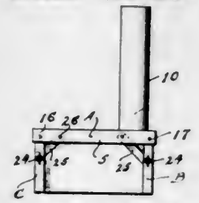
2. In combination, a direct current load having a predetermined full load value, an alternating current supply, a grid controlled rectifier connected to rectify the current from said supply and transmit the rectified current to said load, and means for controlling the biasing potential on the grid of said rectifier, said means including a resistance connected across the grid-filament elements of the rectifier and in series with the load circuit and having a characteristic such that for currents below the predetermined full load value it maintains the grid bias substantially constant and for currents in excess of the full load value it causes a rapid increase in the grid bias.

2,140,923
LIQUID CONGEALING APPARATUS
Jules N. Saler, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 28, 1936, Serial No. 113,095
6 Claims. (Cl. 62—108.5)



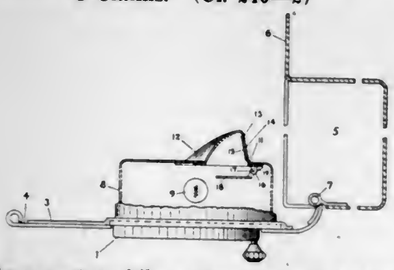
1. In liquid congealing apparatus, the combination of a pan for containing liquid to be frozen, a grid member disposed therein for dividing the pan into a plurality of cells for forming ice cubes, said grid member including a pair of longitudinal flexible wall members, a strip of relatively rigid material disposed between said flexible wall members and having a longitudinal slot adjacent one end thereof, and leverage means for raising the grid member from the pan to break the ice bond between the ice cubes and the pan and for flexing said flexible wall members, said leverage means being pivotally connected to said longitudinal flexible wall members and to said strip of rigid material adjacent the longitudinal ends of both, said leverage means being slidable along said longitudinal slot in said rigid strip and being rotatably attached to said flexible members in a manner preventing relative longitudinal movement between the leverage means and the flexible members, whereby the flexible wall members are movable longitudinally relative to said rigid strip, said rigid strip preventing substantial upward flexing of the ends of the grid when lifting force is applied by said leverage means to said grid member.

2,140,924
FOLDING CAMP STOVE
Peter Sather, Jr., Salt Lake City, Utah
Application May 14, 1937, Serial No. 142,549
2 Claims. (Cl. 126—9)



1. In a folding camp stove of the class described the combination of a flanged tray like top; a stove pipe flange formed near one corner of said top with the flange extended inwardly; transverse angle iron braces secured across the inside of said tray like top at spaced intervals to give rigidity to said top; sides formed identical with their ends flanged inwardly and reinforced; an end for said stove pivotally secured to the flanges at opposite sides of said top; means to secure the flanges of the sides to the end when unfolded to form the closed end of said stove; brace bars pivotally attached to the flange of the top at the open end, said bars adapted to be secured to the flanges of the two sides to hold the stove rigid and supported for use; a lug on the lower edge of one of said sides; and a locking bar pivoted to the edge of the other side, said bar being adapted to engage said lug when the end and sides have been folded down into the space within the flanges of the top to lock the stove in the folded position.

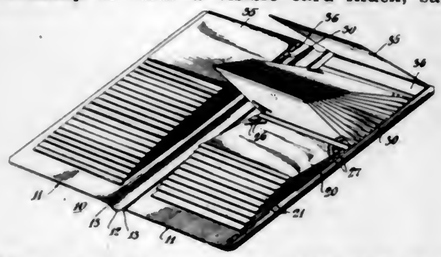
2,140,925
AUTOMOBILE CLOCK
Max Schlenker, La Salle, Ill., assignor to General Time Instruments Corporation, New York, N. Y., a corporation of Delaware
Application March 31, 1937, Serial No. 134,027
5 Claims. (Cl. 240—2)



1. In an automobile, a compartment, a door for said compartment, a clock casing having an aperture fastened in said door, a dial in said casing, a light in said casing for illuminating said dial, and means adaptable for opening said aperture when said door is in its substantially open position whereby said compartment is simultaneously illuminated by means of said light.

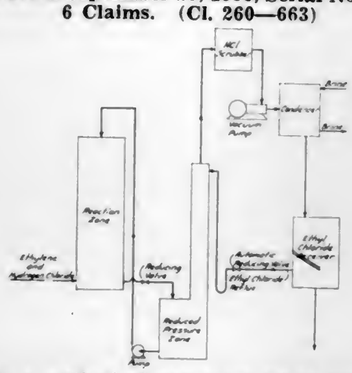
2,140,926
VISIBLE CARD INDEX
John W. Sheppard, Larchmont, N. Y., assignor of one-half to The C. E. Sheppard Co., Long Island City, N. Y., a corporation of New York, and one-half to The Aetna Casualty & Surety Co., Hartford, Conn., a corporation of Connecticut
Application May 11, 1937, Serial No. 141,903
2 Claims. (Cl. 129—16)

2. A visible card index comprising a strip of backing material carrying a set of card holders, each of said card holders being hingedly attached to said backing material in spaced overlapping relationship to form a visible card index, said



backing material being thin and flexible so as to form a carrier for the card holders and having a coating of adhesive for attachment to a rigid surface to form a permanent card index.

2,140,927
PREPARATION OF ETHYL CHLORIDE
James E. Pierce, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application September 29, 1936, Serial No. 103,205
6 Claims. (Cl. 260—663)



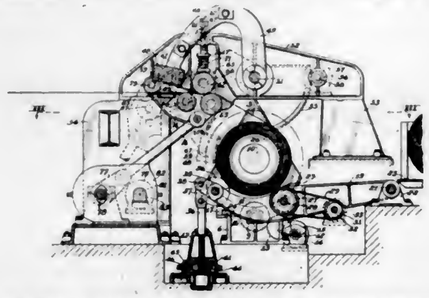
1. In a method of preparing ethyl chloride by the reaction of hydrogen chloride with ethylene in the presence of a hydrohalogenation catalyst carried by a circulating inert liquid medium, the steps which consist in passing said circulating medium, containing ethyl chloride formed therein, from the reaction zone through a zone under lower pressure than that prevailing in the reaction zone without applying heat, to vaporize the ethyl chloride therefrom, and returning the stripped liquid medium to the reaction zone.

2,140,928
STRIP UNCOILER
Howard H. Talbot and Maurice P. Sieger, Pittsburgh, Pa., assignors to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 27, 1935, Serial No. 13,218
13 Claims. (Cl. 242—78)

1. In an apparatus for uncoiling coiled permeable metal strip the combination of means for engaging a coil at its center and supporting it for rotation, an electromagnet for engaging the free end of a coil, a pivotally mounted crank for supporting said magnet, and means for operating said crank to move said magnet in an arcuate path relative to said support to strip the free end from the coil.

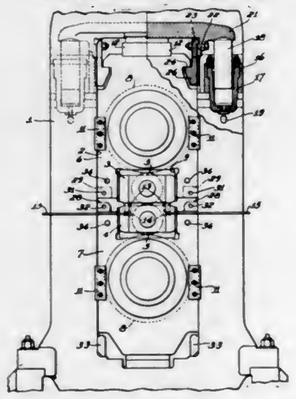
9. An apparatus for unwinding coiled material

comprising a pair of axially adjustable spindles for engaging a coil at its center and supporting it for rotation, a platform pivoted at one end mounted below said spindles for rolling a coil



on its side thereunder, a cradle for receiving the coil at the end of said platform and directly below said spindles, and means for moving the free end of said platform toward and from said spindles.

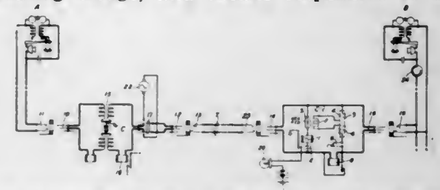
2,140,929
ROLLING MILL
Howard H. Talbot, Pittsburgh, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 17, 1936, Serial No. 74,920
14 Claims. (Cl. 80—56)



13. In a rolling mill having upper and lower rolls journalled in chucks mounted in a housing, a roll balance for the upper roll connected to the upper chucks, and means adapted to connect said upper chucks to the lower chucks, said balance being adapted to lift said chucks and rolls as a unit when the chucks are connected, whereby to permit roll-removing means to be inserted under said lower chucks for removing said rolls and chucks as a unit endwise from said housing.

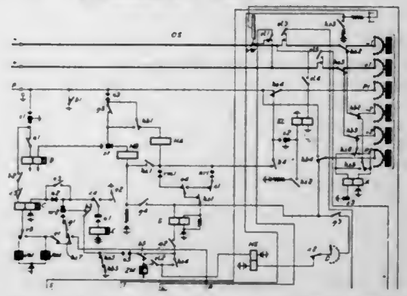
2,140,930
TELEPHONE SYSTEM
Paul V. Welch, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 1, 1937, Serial No. 140,103
7 Claims. (Cl. 179—84)

1. In combination, a line, a cord circuit having two conductors for making connections with said line, a source of current connected to said cord, a signaling bridge and a control bridge connected in parallel relation across the two conductors of said cord, a variable-resistance element in said signaling bridge, and means responsive to the



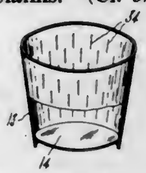
flow of current in said control bridge for varying the resistance of said element.

2,140,931
TELEPHONE SYSTEM
Esmond P. G. Wright, George C. Hartley, and Paul Ian Wyndham, London, England, assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application August 20, 1936, Serial No. 96,924
In Great Britain September 3, 1935
17 Claims. (Cl. 179—18)



1. In a telephone system, a selector switch for use in establishing desired connections, groups of lines connected to the bank of said switch, means for advancing the brushes of said switch to select any desired one of said groups of lines, means for hunting for an idle line in a selected group, a register switch, and means effective if no idle line is found in a selected group for operatively associating said register switch with said selector switch.

2,140,932
POT OR CONTAINER
Henry C. Avery, West Springfield, Mass., assignor to The Osmo Garden Company, Philadelphia, Pa., a corporation of Delaware
Application February 27, 1936, Serial No. 65,948
7 Claims. (Cl. 92—3)

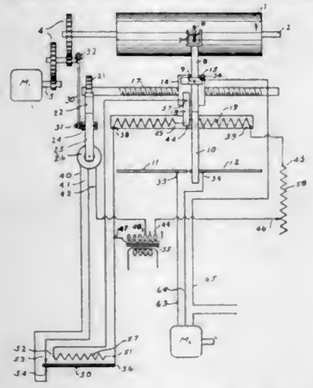


1. A plant pot having an interfelted fibrous tructure and composed of at least about 80% by weight of leather fiber and a remaining percentage of non-cellulosic fibrous material and fertilizer material.

2,140,933
AUTOMATIC REGULATING DEVICE
Clark M. Dennis, Montclair, N. J.
Application August 20, 1934, Serial No. 740,586
27 Claims. (Cl. 236—74)

18. An automatic regulating system comprising means sensitive to change in value of the

variable being regulated, connected means which lead or lag behind changes in the true value of the variable by amounts which vary with the rate of change, connected means which vary in direct harmony with changes in value of the regulated variable, and means whereby the leading or lag-



ging element controls supply of the corrective agent when rate of change exceeds predetermined values and means whereby the supply of the corrective agent is controlled by the member which moves in direct harmony with changes of the variable at times when rate of change is less than predetermined value.

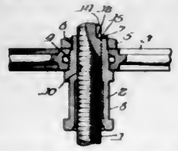
2,140,934

VALVE INDICATOR

Carl A. Dopp, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois

Application January 2, 1937, Serial No. 118,809

1 Claim. (Cl. 116—125)



In a valve actuating mechanism of the character described, having relatively movable means for effecting the reciprocating movement of a closure member therewithin, the said movable means comprising respectively a non-rotatable reciprocably movable stem and a rotatable yoke sleeve, the said stem being journalled within the said yoke sleeve, each of the said latter means being provided with a valve position indicating means comprising complementary finished surfaces substantially vertically and horizontally arranged upon the said stem and the said yoke sleeve, whereby upon rotation of the said yoke sleeve to the extent of having the respective finished surfaces coincide, the closed position of the valve is accurately determinable.

2,140,935

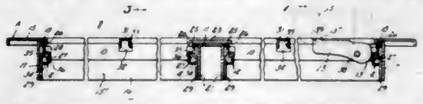
AIR DEFLECTING DEVICE

Stanley Hart, Kensington, Conn., assignor to Tuttle & Bailey, Inc., New Britain, Conn., a corporation of Connecticut

Application October 7, 1936, Serial No. 104,483

10 Claims. (Cl. 98—110)

3. An air deflecting device comprising a frame, a plurality of vanes pivotally mounted in spaced relation in the frame for angular adjustment to control the direction of air flow through the frame, a connector interconnecting the vanes for simultaneous corresponding angular movement, an operating lever pivotally secured to one of said vanes adjacent the connector and having an operative and an inoperative position, the lever extending outwardly when in its operative posi-



tion and providing a convenient means for vane adjustment, said lever lying adjacent to and in substantial alignment with the vane when in an inoperative position, and a cam on said lever adapted to clamp into engagement with the connector and prevent adjustment of the vanes when the lever is in an inoperative position.

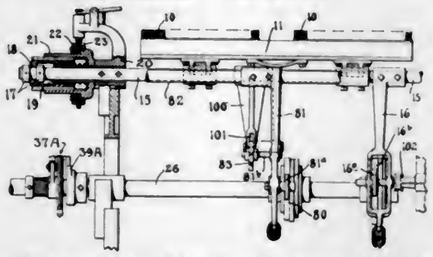
2,140,936

METHOD AND APPARATUS FOR ELIMINATING SINKER LINES AND THE LIKE IN HOSIERY

Hans P. Luhn, New York, N. Y., assignor to Improved Products and Machinery Co. Inc., a corporation of New York

Application August 6, 1935, Serial No. 34,885

29 Claims. (Cl. 66—82)



1. The method of knitting hosiery fabric and the like on a straight type knitting machine to break up lines in the wales of the fabric that are caused by defective knitting elements or improper cooperation thereof which comprises; forming and knitting a plurality of successive courses; and repeatedly during knitting of the fabric, in the periods between the knitting of certain courses and the formation of the loops of the next succeeding courses, determinedly varying the positions of all the fabric loops relatively to the loop forming and knitting elements to distribute loops formed by defective elements through a plurality of wales of the knit fabric.

2,140,937

KNITTED FABRIC

Hans P. Luhn, New York, N. Y., assignor to Improved Products & Machinery Company, Inc., New York, N. Y., a corporation of New York

Original application August 6, 1935, Serial No. 34,885. Divided and this application July 8, 1938, Serial No. 218,078

11 Claims. (Cl. 66—169)



1. A knitted fabric devoid of contrasting lines or bands visible to the naked eye comprising a plurality of knitted courses of correspondingly knit loops, certain of said loops differing in appearance from other loops in the same course,

the differing loops of said courses being distributed among a plurality of wales, whereby the contrasting lines or bands normally formed by alignment of said differing loops are broken up and rendered invisible.

2,140,938

2-HYDROXYMETHYL-1,3-DIOXOLANE

Raymond W. McNamee, South Charleston, and Charles M. Blair, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application July 1, 1936, Serial No. 88,336

13 Claims. (Cl. 260—338)

1. As a chemical compound, 2-hydroxymethyl-1,3-dioxolane, being characterized as a colorless liquid with a boiling point of 97° C. at a pressure of 30 mm. of mercury and having a specific gravity of 1.2026 at 20°/20° C.

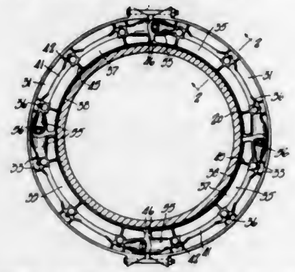
2,140,939

PIPE JOINT SEAL RING

Patterson D. Merrill and Frederick R. McMurray, South Bend, Ind., assignors to M. B. Skinner Company, South Bend, Ind.

Application May 29, 1936, Serial No. 82,490

3 Claims. (Cl. 285—119)



1. In a pipe joint seal, a pipe-encircling ring formed from a plurality of arcuate sections and having a gasket-engaging face, end walls formed integrally with said sections and extending diagonally relative to the ring axis and including an apertured portion projecting radially outwardly from said gasket-engaging face, a securing member extending through said wall apertures in diagonal relation to the plane of the ring and to the ring axis for drawing said sections together endwise, and a circumferentially extending reinforcing flange projecting outwardly of each ring section at each end thereof each flange merging with a portion of the margin of the projecting portion of the adjacent end wall.

2,140,940

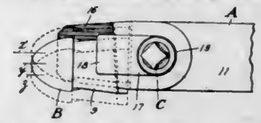
VERTICALLY ADJUSTABLE SHANKLESS TOOL BIT AND HOLDER THEREFOR

Ernest Reaney, Bridgeport, Conn., assignor to The O. K. Tool Company, Inc., New York, N. Y., a corporation of New York

Application October 17, 1936, Serial No. 106,183

1 Claim. (Cl. 29—100)

A heavy duty lathe tool combining an elongated holder member adapted to be secured in a given position in a tool post and having an open sided recess at one end thereof adapted to receive a laterally removable cutting tool bit, said recess having a lower longitudinally inclined bottom seating surface terminating in a mutually inclined rear abutment wall, said bottom seating surface being also sloped laterally relative to a plane perpendicular to the vertical axis of the holder in a direction transverse to said first mentioned incline, the line of intersection of said seating surface and said rear wall lying in a plane perpendicular to the longitudinal axis of the holder member; an L-shaped tool bit fitted to said recess, said bit having its bottom surface inclined in two directions from a plane perpendicular to its vertical axis and being complemental to the rearward incline and lateral slope of the bottom seating surface of said recess and having an upper coacting clamping surface disposed substantially perpendicular to its said vertical axis, said two surfaces defining a clamping portion on the bit wedge shaped in a vertical plane perpendicular to the longitudinal axis of the holder, said



tool bit also having an elevated portion at its forward end extending above said upper clamping surface and cutting edges thereon defining a substantially flat chip engaging top surface of the but; a series of interfitting serrations between said bit and said bottom surface of said recess extending in the direction perpendicular to said line of intersection, said serrations in cooperation with said lateral slope operating as positive means for elevating or lowering the elevated cutting edge and chip contacting surface of said bit relative to said holder in parallel spaced planes as the bit is shifted laterally on its seat in said recess to compensate for loss in height due to regrinding; and independently operable means for clamping said bit firmly in adjusted position in said recess.

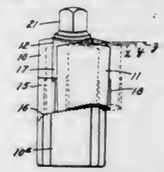
2,140,941

TRIPLE ADJUSTMENT SHANKLESS TOOL BIT AND HOLDER THEREFOR

Ernest Reaney, Bridgeport, Conn., assignor to The O. K. Tool Company, Inc., New York, N. Y., a corporation of New York

Application October 27, 1936, Serial No. 107,862

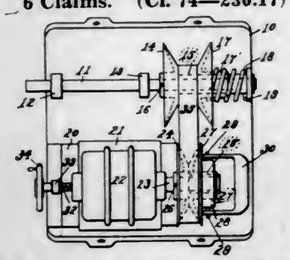
1 Claim. (Cl. 29—100)



A lathe tool combining an elongated holder member having a recess at one end thereof adapted to receive an upstanding tool bit, said recess being defined by a lower rearwardly inclined bottom seating surface and a rear abutment wall that extends crosswise the holder at an angle to a plane perpendicular to the longitudinal axis thereof, said bottom seating surface being also sloped laterally relative to a plane perpendicular to the vertical axis of the holder and in a direction transverse to said first mentioned incline, with the line of intersection of said laterally inclined surface and said rear wall lying in a plane disposed at an angle to an imaginary plane perpendicular to the longitudinal axis of the holder; a shankless L-shaped tool bit fitted to said recess and adapted to abut against said rear abutment wall of the recess in all positions of adjustment, said bit having an upper clamping surface

extending in a plane substantially perpendicular to the vertical axis of the bit and an upstanding portion adapted to stand on said seating surface affording an upper front cutting edge and material for resharpening by successively removing layers from the top or end surface thereof whereby said upstanding portion is successively reduced in height and length, said bit also having its bottom surface inclined relative to its said clamping surface in two directions complemental to the incline and slope of the bottom seating surface of said recess and its rear surface transversely inclined complementally to the incline of said rear wall of the recess; a series of interfitting serrations between said bottom surface of said bit and recess extending in the direction of said first mentioned incline and transversely to said line of intersection, said serrations in cooperation with said lateral slope of said bottom wall and the transverse slope of said rear wall serving as positive means for indexing said bit forwardly and simultaneously vertically in predetermined increments to compensate for loss in length and height resulting from the resharpening operation; and manualy operable screw clamp means coacting with said holder for urging said bit rearwardly in clamped position in said recess.

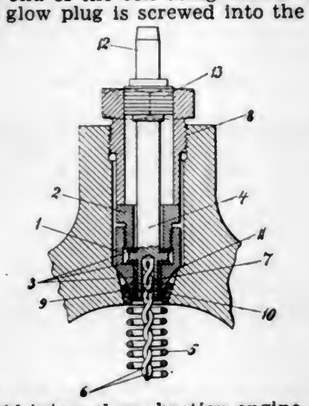
2,140,942
VARIABLE SPEED MOTOR DRIVE
Paul B. Reeves and Harry E. Brooks, Columbus, Ind., assignors to Reeves Pulley Company, Columbus, Ind., a corporation of Indiana
Application March 16, 1936, Serial No. 69,113
6 Claims. (Cl. 74—230.17)



2. In a device of the class described, a shaft, a second shaft substantially parallel with said first-mentioned shaft, an expansible V-pulley mounted on one of said shafts, an expansible V-pulley mounted on the other of said shafts, an edge-active belt providing a driving connection between said pulleys, means for shifting one only of said shafts axially to effect an adjustment in the effective diameter of the pulley, carried by said one shaft, and means cooperating with said belt to effect a corresponding adjustment in the effective diameter of the pulley carried by the other shaft when said first-named pulley is adjusted.

2,140,943
GLOW PLUG
Carl August Rudquist, deceased, late of Lidingo, Sweden, by Karin Katharina Rudquist, executrix, Lidingo, Sweden
Application April 22, 1936, Serial No. 75,897. Renewed May 9, 1938. In Germany February 25, 1935
1 Claim. (Cl. 123—145)

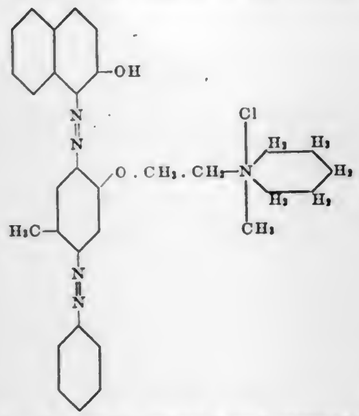
A glow plug for an internal combustion engine comprising a body with a conical base, an electrode insulated therefrom and carried by the body and a resistance wire coiled exteriorly of the body, said wire having a central twisted part, which is inserted into a central hole in the electrode, the end of the coil being conical whereby, when the glow plug is screwed into the cylinder



wall of said internal combustion engine, the conical end of said wire is interposed between the said conical end of the plug body and a conical opening provided in the cylinder wall.

2,140,944
AZO DYES
Erik Schirm, Dessau/Anhalt, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application September 8, 1934, Serial No. 743,312. In Germany September 13, 1933
3 Claims. (Cl. 260—156)

1. The basic azo dyestuff of the following formula:

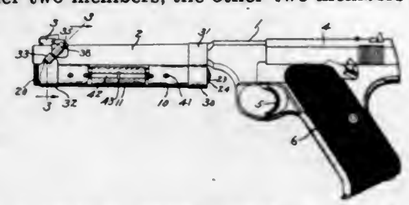


capable of dyeing animal and vegetable fiber violet red shades of very good fastness to washing.

2,140,945
FIREARM BALANCER
William L. Swartz, Wethersfield, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application December 4, 1936, Serial No. 114,210
13 Claims. (Cl. 42—1)

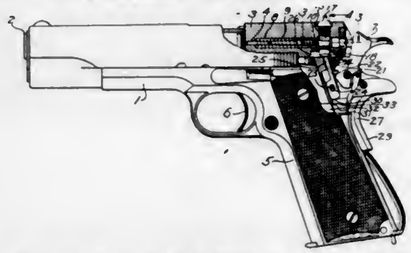
1. A balancing attachment for a firearm comprising in combination, a guide member, a balancing weight member, a third member associated with the first two members, and means associated with one of the three members for preventing

rotation of the same with respect to one of the other two members, the other two members having



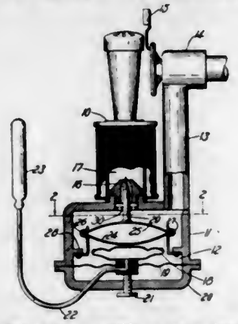
ing cooperating screw threads thereon whereby rotation of one causes longitudinal movement of the other.

2,140,946
FIREARM
William L. Swartz, Wethersfield, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application April 13, 1937, Serial No. 136,630
9 Claims. (Cl. 42—69)



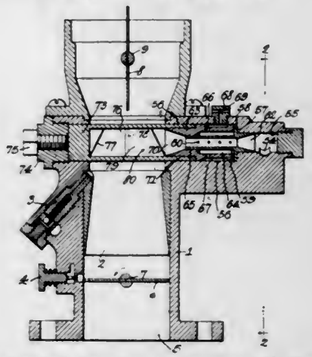
1. In combination in a firearm, a sear member, a firing member, one of said members including an arm having an end face of substantial area, the other said member having a safety recess therein for reception of said arm and a shoulder thereon of substantial area with which said end face is engageable to hold the firing member in cocked position, and cooperating means on the said members for moving the arm and the recessed member relatively toward each other for insuring movement of the arm into said recess.

2,140,947
THERMOSTATIC CONTROL VALVE
Sven W. E. Andersson and Ivar Tornkvist, New York, N. Y., assignors, by mesne assignments, to Servel, Inc., Dover, Del., a corporation of Delaware
Application March 31, 1933, Serial No. 663,688
8 Claims. (Cl. 236—99)



1. In combination with a gas burner having a control valve, a pair of normally flat resilient strips mechanically connected at their ends and resiliently retained in oppositely bowed positions, one of said strips being operatively connected to said valve, and a thermostat operatively associated with the other of said strips.

2,140,948
CARBURETOR
George W. Baker, Chester, Ill.
Application June 17, 1937, Serial No. 148,782
1 Claim. (Cl. 261—51)

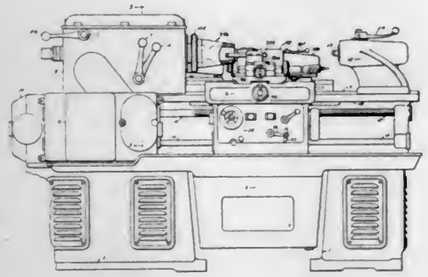


A carburetor having a source of fuel supply and a main passage for the fuel mixture, a spraying tube discharging into the passage, the carburetor having a chamber supplied with an inlet and an outlet, the inlet communicating with said source, the carburetor being provided with a conduit leading from the outlet to the spraying tube, a control member mounted to move through the inlet and the outlet and having means for regulating the effective areas of the inlet and the outlet, mechanism under the control of an operator for actuating the control member, the spraying tube being extended transversely of the main passage and having openings in its sides, the end edges of the openings diverging in the direction of flow through the main passage, the spraying tube being provided with a transverse baffle located intermediate the ends of the openings, and being provided with a longitudinal passage leading through the baffle, the passage communicating with that end of the spraying tube which first receives the fuel mixer, and being laterally open adjacent to said end of the spraying tube, whereby some of the mixture will pass outwardly and engage the baffle, the balance of the mixture moving through the longitudinal passage.

2,140,949
APPARATUS FOR TURNING COMPLEX WORKPIECES
Clifford A. Bickel, Sidney, Ohio, assignor to The Monarch Machine Tool Co., Sidney, Ohio, a corporation of Ohio
Application October 22, 1936, Serial No. 106,953
19 Claims. (Cl. 82—19)

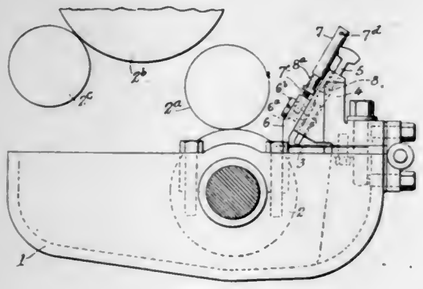
1. In combination, means for rotating a workpiece, a cutting tool, asymmetrical three-dimensional cam means, means for rotating said cam means, a follower engaging said cam means, said cam means having a cross sectional periphery of varying radius from its axis of rotation equivalent for a complete revolution to a partial revolution of the work-piece made therewith and having a longitudinal profile disposed asymmetrically relatively to said axis of rotation, mechanism operatively interconnecting said follower and said cutting tool, power-operated means synchronized

with the motion of said work-piece-rotating means for moving said follower and said cam means relatively to one another axially of said cam means, and means for rotating said cam



means relatively to said work-piece rotating means at a speed ratio equivalent to the fractional part of the work-piece developed from a complete revolution of said cam means.

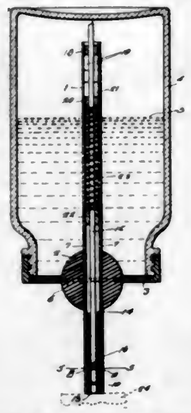
2,140,950
INKING MECHANISM FOR PRINTING ROLLS
James L. Blackley, Battle Creek, Mich., assignor to Duplex Printing Press Company, Battle Creek, Mich., a corporation of Michigan
Application February 6, 1937, Serial No. 124,475
4 Claims. (Cl. 101—365)



1. In combination; an ink fountain, a fountain roll, a series of scraper blade sections, and screws for adjusting the said scraper blade sections relative to the fountain roll; a bar slidably mounted above each blade section and between the fountain roll and screws; and a rod rotatably mounted adjacent each slidable bar and having a threaded end engaging with such bar, whereby said bars may be moved into engagement with the inner edge of the related blade section to force said section to cut off the supply of ink from that portion of the fountain roll to the ink distributing means.

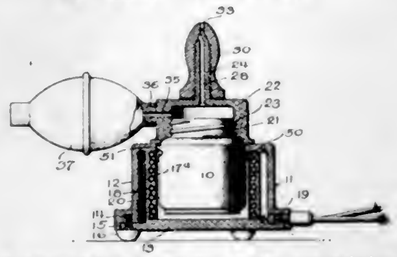
2,140,951
BATTERY FILLER
Alfred W. Bortz, Echo, Minn.
Application February 15, 1938, Serial No. 190,669
4 Claims. (Cl. 226—39)

1. A battery filler comprising a barrel having longitudinally spaced inlet and outlet ports therein, means for controlling the outlet ports, a substantially spherical resilient member mounted on the barrel between the inlet and outlet ports, and a closure mounted on said resili-



ent member and engageable with a water container.

2,140,952
INHALER
Patrick J. Clifford, Washington, D. C., assignor to Charles B. Lewis, Washington, D. C.
Application April 8, 1936, Serial No. 73,362
10 Claims. (Cl. 128—192)

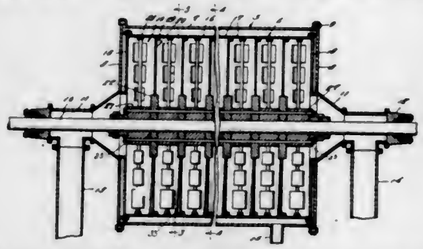


6. A vaporizing head for a jar containing vaporizable medium comprising a cap portion adapted to be secured to the jar upon removal of and in substitution for the conventional closure cap, and providing a chamber for the collection of vapor given off by said medium, the lower edge of the cap being of appreciably greater diameter than that of the jar to provide a rim adapted to support the cap and jar as a unit on a base member, a bored stem extending from said cap portion with its bore communicating with said chamber, a nasal piece associated with said stem and having an opening therethrough adapted to communicate with the bore of the stem, said cap portion having an air ingress opening, and an air bulb carried by said cap portion and operative to direct air under pressure to said chamber through said opening.

2,140,953
SEPARATOR
Frank Clay Dugan, Refugio, Tex.
Application May 8, 1936, Serial No. 78,707
1 Claim. (Cl. 183—77)

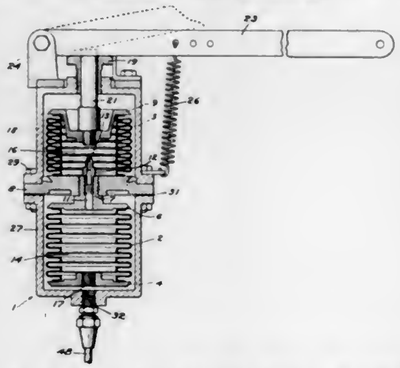
A separator of the character described comprising a stator, a rotor mounted in the stator, an inlet at one end of the stator, an outlet at the opposite end of the stator, said rotor being hollow and provided with blades radially disposed from the axle and on oblique planes with respect thereto, said rotor being provided with a plurality

of radially disposed tubular structures open longitudinally for catching heavy particles of gas forced toward the same by the fans and discharging the same centrifugally from their outer



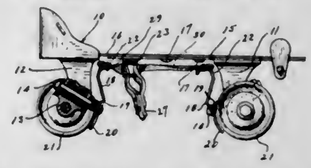
ends toward the stator, the periphery of the rotor being in spaced relation to the stator, said rotor including a surrounding shell perforated to permit the escape of gas into the space between the rotor and the stator.

2,140,954
REGULATING MECHANISM
Doniphan H. Frazee, Berkeley, Calif., assignor to Pan American Engineering Corporation, Ltd., Berkeley, Calif., a corporation of California
Application June 29, 1936, Serial No. 87,862
2 Claims. (Cl. 137—153)



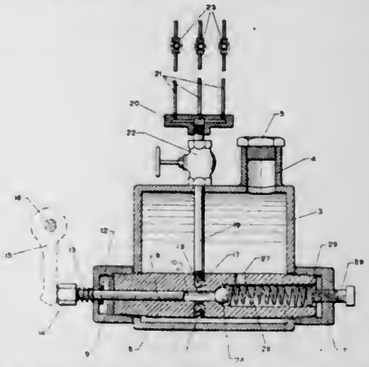
1. In a system for feeding liquid the viscosity of which varies with variations in temperature, including means for supplying the liquid under pressure and valve means for controlling the flow of said liquid; mechanism utilizing the pressure of the liquid controlled by said valve means for obtaining delayed action in the operation of said valve means upon initial operation of said liquid supplying means including power transmittng dashpot means consisting essentially of extensible and contractible chambers containing liquid which is sealed therein, said chambers being in communication through restricted passageway means through which the liquid in said chambers can flow upon application of said liquid pressure to one of said chambers, the restriction of such passageway means being small enough to resist the flow of the liquid in said chambers therethrough to an extent sufficient to cause delayed expansion of a second of said chambers upon application of said liquid pressure to said one of said chambers, the liquid in said chambers being such that the rate of power transmission by said chambers is substantially unaffected by normal variations in temperature, a casing about said one of said chambers for receiving the controlled liquid under pressure, a conduit for conveying the controlled liquid into said casing, and a power transmitting connection between said second chamber and said valve means.

2,140,955
ROLLER SKATE BRAKE
Theodore R. Goettie, Wayne, Pa.
Application November 22, 1937, Serial No. 175,942
2 Claims. (Cl. 280—11.20)



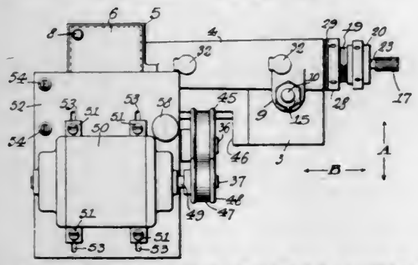
1. In a roller skate, having front and rear truck mounting brackets, a roller truck for each bracket, a bolt connecting respective brackets and trucks, a brake shoe loosely mounted upon the bolts, said shoe having oppositely disposed roller contact portions, a helical spring on each bolt interposed between a portion of the truck and the brake shoe normally holding the brake shoes in released position, each of said brake shoes having an upward offset extension, a guide housing upon the underside of the skate, a pull strap threaded through the guide and having connection with respective upward extensions of the brake shoe.

2,140,956
PUMP
Warren J. Hall, Houston, Tex., assignor to J. L. Johnston, Houston, Tex.
Application February 1, 1937, Serial No. 123,448
4 Claims. (Cl. 184—27)



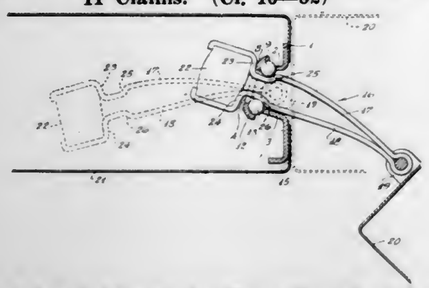
1. In a pump, a reservoir, a cylinder in the reservoir, said cylinder having a bore therein, a piston slidable in said bore and extending through one end of said cylinder exteriorly of said reservoir, a channel in the opposite end of said cylinder communicating with said bore, a spring-biassed valve means in said channel to close said bore, means at the adjacent end of said cylinder to regulate the tension of said spring from a point externally of said reservoir, intake and relief valves in said cylinder connecting with said bore, said valves opening and closing alternately by impulse of said piston and upon prescribed movements of the latter, a distributor pipe communicating with said discharge valve, a yieldable means for moving said piston in one direction, and means for moving the piston against the pressure of said yieldable means.

2,140,957
MILLING ATTACHMENT
Michael Hanna, Glen Rogers, W. Va.
Application June 17, 1937, Serial No. 148,777
1 Claim. (Cl. 90—11)



In a device of the class described, a plate-like base, means for adjusting the base about a fixed vertical axis and for securing the base on the tool carriage of a lathe, an elongated tubular bearing connected integrally throughout its length directly to the base, a gear housing at one end of the base and formed integrally with said end of the base and with one end of the bearing, the housing projecting substantially at right angles to the axis of the bearing, a tool shaft journaled in the bearing, a driven shaft journaled in the housing and disposed parallel to the tool shaft, speed change gearing in the housing and connecting the shafts, a table above the housing, a motor on the table, a driving connection between the motor and the driven shaft and including a belt, a lid for the housing, and means carried by opposite sides of the housing for supporting the table tiltably, thereby to effect a tightening of the belt, said means being spaced to receive the lid therebetween.

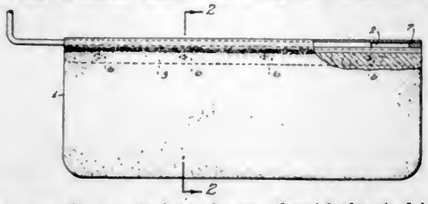
2,140,958
DOOR CHECK BRACKET
Rex C. Jacobs, Detroit, Mich.
Application March 29, 1937, Serial No. 133,606
11 Claims. (Cl. 16—82)



1. A bracket for a laterally resilient door check having diverging surfaces, said bracket having means thereon for engaging the diverging surfaces to cause compression of the check incident to lengthwise movement thereof, said means having a point contact with respective diverging surfaces.

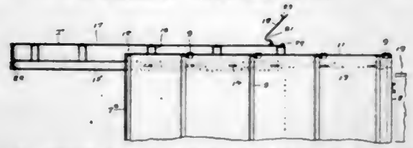
2,140,959
FLOCK COVERED GLARE SHIELD
Rex C. Jacobs, Detroit, Mich.
Application March 29, 1937, Serial No. 133,607
6 Claims. (Cl. 296—97)

6. A glare shield comprising a sheet of fibrous material, a hinge member having a tubular bearing portion and a pair of spaced flange members between which a border portion of the sheet is inserted, means closing one end of said tubular bearing portion, and a coating of finely divided



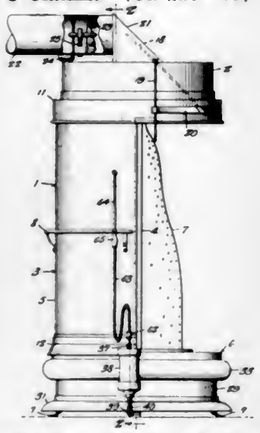
flock on all exposed surfaces of said sheet, hinge member and said means.

2,140,960
SLIDING TOP FOR TRUCKS
Martin T. Kercher, La Fayette, Ind.
Application April 26, 1938, Serial No. 204,417
5 Claims. (Cl. 296—137)



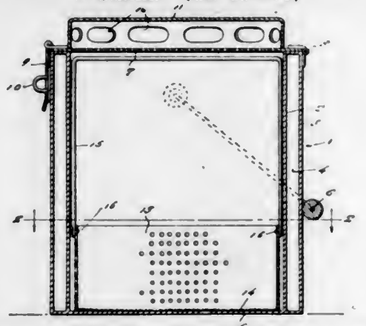
1. A device of the character described, comprising, a truck body having spaced sides, rollers mounted on said sides adjacent the top edges thereof, a frame above said sides equipped with longitudinally extending tracks engaging said rollers and slidable relative thereto and transversely extending members connecting said tracks together, a cover secured over said frame, a gate hinged to the rear end of said frame and extending downwardly beyond said tracks, and a pair of doors hinged to said sides and overlapping said gate whereby to maintain said gate and frame in fixed position.

2,140,961
GARMENT STEAMING DEVICE
Carl R. Lendle, Youngstown, Ohio
Application April 26, 1937, Serial No. 139,087
3 Claims. (Cl. 223—71)



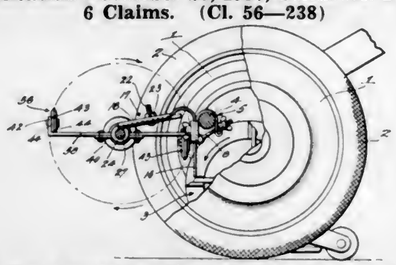
1. A garment renovating device comprising a cabinet, an exhaust means connected to said cabinet, a perforated garment form located in the cabinet, means for introducing steam in the cabinet outwardly of the form, means for introducing steam interiorly of the form for passing through the fabric of a garment on the form, and a shield carried by the form to prevent the steam from the first-named means from damaging the fabric of the garment adjacent where said steam enters the cabinet.

2,140,962
MINNOW BUCKET
Clarence E. Marsh, St. Joseph, Mo.
Application December 20, 1937, Serial No. 180,860
1 Claim. (Cl. 43—56)



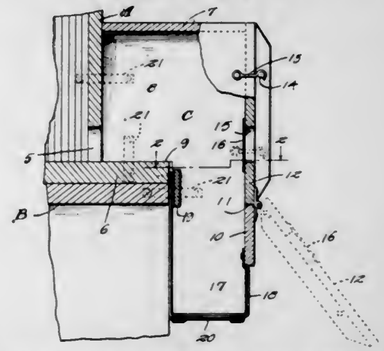
A minnow bucket of the class described comprising a container for the reception of water, said container including spaced inner and outer walls providing a dead air chamber therebetween, a perforated cover hingedly mounted on the container, a substantially cup shaped shield fixed on said cover and spaced inwardly from the marginal edges thereof, said shield having ventilating openings in its side walls, and a dipper mounted for vertical movement in the container.

2,140,963
AUXILIARY CUTTER FOR LAWN MOWERS
Jay G. McLain, Steubenville, Ohio
Application November 27, 1937, Serial No. 176,855
6 Claims. (Cl. 56—238)



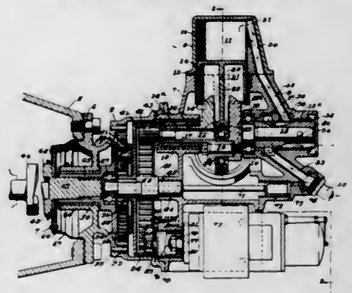
1. In a grass cutting machine having a pair of spaced ground engaging wheels, a frame supported by said wheels, cutters operating between the wheels and a brace bar extending longitudinally of the cutters between the wheels, an auxiliary cutter structure comprising a pair of clamping units each comprising a band looped over the brace bar adjacent one end of the bar, means coupling the ends of the band to draw the loop into binding engagement with the bar, a guide forming a part of each band, a pair of arms each having an angular terminal slidably engaged in said guide and adjustably secured thereto, each arm being extended forwardly with respect to the machine cutters, a bearing carried by each arm, a shaft extending between said arms and thru said bearings, a plurality of arms extending radially from said shaft and forming two series, the arms of each series being spaced longitudinally of the shaft, a cutter blade extending across and connecting the ends of the arms of each series, and a friction wheel carried on each end of the shaft and frictionally engaging the periphery of a wheel to be rotated thereby.

2,140,964
BEEHIVE FRONTAL ENCLOSURE
Russell R. Meyer, Dakota, Ill.
Application June 22, 1937, Serial No. 149,738
1 Claim. (Cl. 6—4)



An appliance for detachable fitting with a beehive having a front ledge and a frontal inlet and exit opening thereto above said ledge, comprising a body structure forming a vestibule for said frontal inlet and exit opening and having an open bottom partially closed by said ledge, and a reticulated depending trap carried by the body structure and communicative with the vestibule through the remaining open portion of the bottom, said body structure having a screened opening at its front in alignment with the inlet and exit opening.

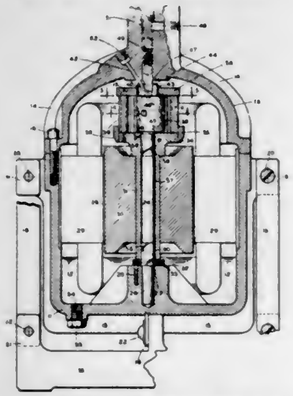
2,140,965
ENGINE STARTING MECHANISM
Romeo M. Nardone, East Orange, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Original application March 22, 1930, Serial No. 438,220. Divided and this application March 16, 1937, Serial No. 131,268
6 Claims. (Cl. 74—50)



1. In a device of the class described, a crankshaft having a pair of counter-weights axially spaced thereon and both disposed on the same side of said crankshaft, a crank-pin integral with said crankshaft and disposed on the opposite side thereof, a roller bearing surrounding said crank-pin and disposed between the opposing faces of said counter-weights, means for rotating said crankshaft comprising a plurality of straight sided web members reciprocable along equally

spaced lines radiating from the axis of said crankshaft and each frictionally contacting the peripheral surface of said roller bearing, and means for preventing rotation of said web members about said radial lines, said means comprising grooves cut longitudinally of said web members, and a corresponding number of transversely disposed pins secured against movement and disposed within said grooves.

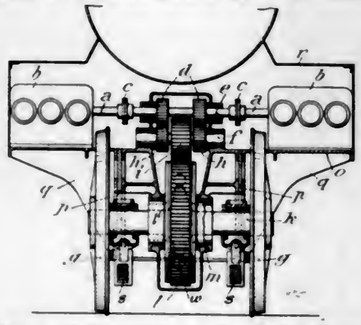
2,140,966
ROTARY MECHANISM
Arthur A. Nichols, Waltham, Mass.
Application July 8, 1936, Serial No. 89,626
8 Claims. (Cl. 230—141)



1. In a rotary mechanism dealing with fluid movement, a stationary shaft having an eccentric portion, a quill journalled upon said shaft, an electric motor having its rotor member fixed upon said quill, an inner toothed rotor within an outer toothed rotor, cover means over the ends of said toothed rotors, said toothed rotors being adapted for relative rotation and forming during said rotation chambers of alternately increasing and decreasing volume whereby fluid movement is effected, said chambers being bounded by the teeth and the walls of the tooth spaces of said toothed rotors and by said cover means and one of said toothed rotors being fixed upon said quill and the other toothed rotor being journalled upon the eccentric portion of said stationary shaft, inlet means for fluid to said chambers, outlet means for fluid from said chambers, passageways through said inner toothed rotor for movement of fluid between said chambers and said inlet means and between said chambers and said outlet means, and a by-pass through the eccentric portion of said stationary shaft and having its termini at the periphery of said stationary shaft, said termini being disposed to successively register with pairs of said passageways simultaneously as said inner toothed rotor revolves about said stationary shaft and thereby effect pressure communication between an expanding chamber and a contracting chamber in a region of intermediate pressure.

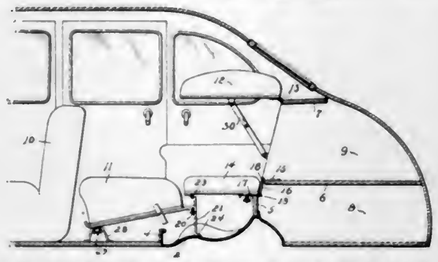
2,140,967
LOCOMOTIVE
Hans Nyffenegger, Winterthur, Switzerland, assignor to the firm Schweizerische Lokomotiv- und Maschinenfabrik, Winterthur, Switzerland
Application June 21, 1935, Serial No. 27,792
In Germany June 28, 1934
6 Claims. (Cl. 105—37)

1. In a driving arrangement for high-pressure boiler steam locomotives particularly for great driving efforts, a rigid frame having singly driven driving axles mounted therein, each axle having a pair of driving wheels, said frame having extensions projecting laterally on both sides of the locomotive beyond the driving wheels and below the top level thereof, a steam boiler arranged above said frame with its bottom level clearing the top level of said frame, a pair of high speed steam engines mounted on said frame extensions, one of said engines being mounted on one side and the other on the other side of said frame exteriorly of vertical planes passing through the



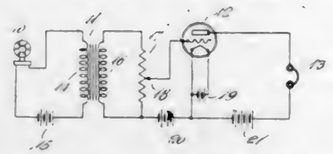
outer faces of the driving wheels for cooperation with one of said driving axles, said engines having crankshafts extending parallel to the driving axles and clearing the bottom level of said boiler as well as the portion of said wheels above the top level of said frame, a spring-supported gear wheel axle drive intercalated between each driving axle and the cooperating pair of engines, said axle drive being located between said vertical planes through said wheel flanges, and a movable coupling interposed between said driving axle and said axle drive.

2,140,968
AUTOMOBILE BODY
Anthony Paranzino, Moosup, Conn.
Application October 15, 1937, Serial No. 169,282
10 Claims. (Cl. 296—24)



1. In an automobile, a body having a floor, a rear seat cushion, a back cushion for the rear seat, a shelf in back of the back cushion, a luggage compartment back of the back cushion accessible from the front on lifting the back cushion, the luggage compartment having a stationary floor, combined with an auxiliary cushion, a hinge connection between said auxiliary cushion and said floor of the luggage compartment, whereby said auxiliary cushion may be swung from a position in the luggage compartment to a position in front of the same, a support for the front part of the auxiliary cushion when in its position for use, said support being attached to and carried by said auxiliary cushion and means for supporting the rear seat cushion in front of said auxiliary cushion, said supporting means being formed to support the auxiliary cushion and the rear seat cushion with their tops in substantially the same plane with the floor of said luggage compartment.

2,140,969
HEARING AID APPARATUS
William D. Penn, Dallas, Tex.
Application June 19, 1937, Serial No. 149,271
8 Claims. (Cl. 179—107)

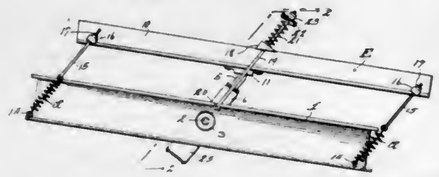


1. Hearing aid apparatus adapted selectively to attenuate the low audible frequencies and amplify the high audible frequencies comprising: a microphone pick-up adapted to translate mechanical vibrations into corresponding variable electrical currents, said microphone pick-up having a predetermined impedance characteristic, a transformer having primary and secondary windings, connections between said microphone pick-up and said primary, and a load circuit including a reproducing device connected to said secondary, the open circuit impedance of the primary and the impedance of said microphone being such that the voltage ratio e_b/e_o of the said apparatus is equal to

$$\frac{(n_2/n_1 k)}{\sqrt{(1+R_0/R^1)^2+(R_0/L_1 w k^2)^3}}$$

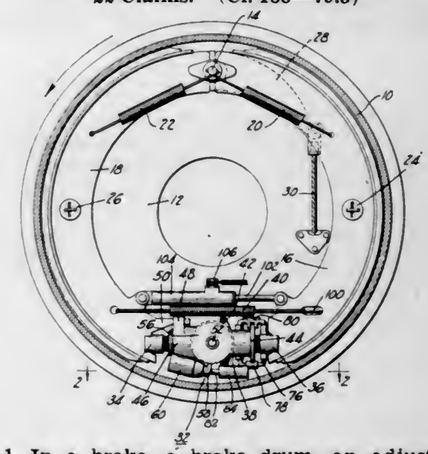
wherein e_b is the voltage across the load circuit, e_o is the open circuit voltage of the microphone, n_2/n_1 is the turn ratio of the transformer, R_0 is the microphone impedance, R^1 is the effective load impedance referred to the primary, k is the coefficient of coupling of the transformer, and wL_1 is the open circuit reactance of the primary, whereby the low audible frequencies are attenuated selectively to the high audible frequencies.

2,140,970
AGITATING MECHANISM
Joseph F. Reedy, Greensburg, Pa.
Application November 5, 1936, Serial No. 109.378
8 Claims. (Cl. 74—55)



1. In combination, a lifter rod, means for supporting said rod for reciprocating movement, an element to be agitated, said rod providing a supporting means for the element, a rotating lifting plate contacting with the rod for intermittently moving the rod and the element in one direction, means for moving said rod and element in the opposite direction between the said first named movements, and means engaging the lifting plate at a point approximately in radial alinement with the point of contact between the plate and rod to counterbalance the load of the element imposed thereon.

2,140,971
BRAKE
Glyn Pierce Roberts, Birmingham, England, assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application December 5, 1936, Serial No. 114,397
In Great Britain December 18, 1935
22 Claims. (Cl. 188—79.5)



1. In a brake, a brake drum, an adjustable member for engaging the drum and arranged inside the drum, automatic means inside the drum operable when the brakes are released to adjust said member, and manual means extending outside the drum to interrupt the operation of said automatically operable means.

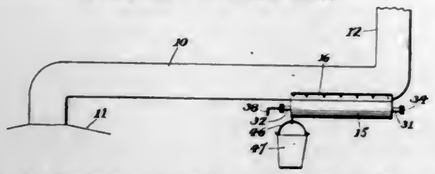
2,140,972
MEANS FOR ILLUMINATING DIALS OF INSTRUMENTS
Gregory V. Rylsky, New York, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application July 1, 1935, Serial No. 29,323
15 Claims. (Cl. 240—2.1)



1. In an indicating instrument, the combination of a casing provided with a dial having a dark background and a contrasting light-diffusing scale and pointer, a light-conducting and light-emitting member extending substantially along only the periphery of the dial and formed to prevent light emerging therefrom except through a relatively narrow passage provided at that side thereof which is adjacent said dial sub-

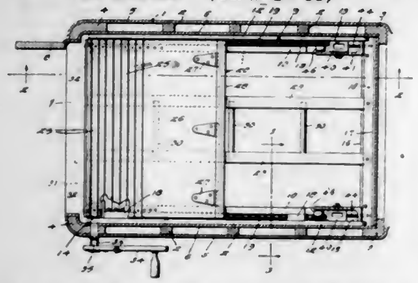
stantially along the entire length of said member, and means for introducing light into said member from the exterior thereof.

2,140,973
SOOT TRAP
Thomas B. Smith, Pinewood, S. C.
Application January 27, 1938, Serial No. 187,282
4 Claims. (Cl. 126—280)



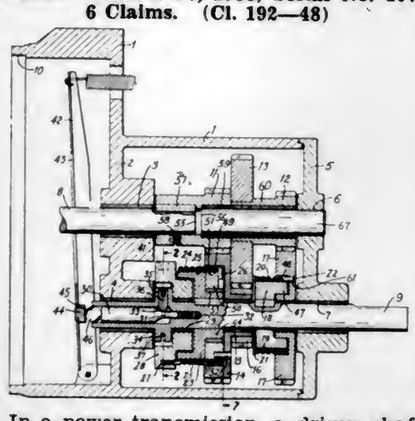
2. A soot trap comprising a length of flue pipe having an elongated opening in the bottom thereof, a housing connected to the pipe and provided with an opening aligning with the opening in the pipe, a casing rotatably mounted in the housing beneath the opening thereof and having an elongated opening adapted to be aligned with the opening in the housing, said casing closing the pipe to the atmosphere at all times, the casing having a discharge opening, means for closing the discharge opening when the elongated openings are aligned, said casing adapted to be rotated through an arc of approximately 180° whereby the casing will close the opening in the pipe and the discharge opening will be moved away from the closing means, and means for forcing foreign matter collected in the casing through the discharge opening.

2,140,974
TRAVELING SHELF OR ARTICLE CARRIER FOR TRUCK BODIES
Clyde P. Wagner and Clifford E. Allen, Joplin, Mo.
Application April 19, 1938, Serial No. 202,940
10 Claims. (Cl. 214—83)



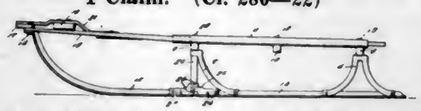
1. A movable article support adapted to be secured within a truck body between side walls of the same, comprising a pair of beams adapted to be secured in spaced parallel relation within said body and to the inner face of the walls thereof, a shaft connecting said beams at one end of the body, sprocket wheels carried upon the ends of said shaft, a pair of independent sprocket wheel supports at the other end of the body and each secured to a beam, means for shifting said supports individually longitudinally of the beam, a sprocket wheel carried by each support, a pair of endless sprocket chains connecting the sprocket wheels of the said beams, means disposed between the sprocket wheels of the beams for supporting the top and bottom runs of the sprocket chains, an article carrier comprising a plurality of slat members disposed in side by side relation and connecting between said chains and each having an end secured to a link of a chain, and means for effecting the rotation of said shaft.

2,140,975
CLUTCH MECHANISM
William T. Welch, Westfield, N. Y.
Application October 27, 1936, Serial No. 107,867
6 Claims. (Cl. 192—48)



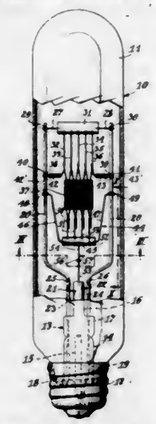
1. In a power transmission, a driven shaft, a rotary element mounted to rotate co-axially of the driven shaft and arranged to receive power from a power source, clutch mechanism to drivingly connect the rotary element to the driven shaft comprising an intermediate element connected to the shaft to rotate therewith, a helical spring having convolutions surrounding the intermediate element and having one end connected to the rotary element, an actuating element rotatably supported co-axially of the shaft and having the other end of the spring connected thereto, whereby the rotary element and the spring and actuating element all rotate at the same speed, operable means to effect driving connection between the driven shaft and the actuating element to change the speed at said other end of the spring to effect a change of its diameter to cause it to grip the intermediate element and to drive the driven shaft at the speed of the rotating element, said driving connection effecting means comprising a dog rotatable with the shaft and movable transversely thereof into the path of a portion of the actuating element, and operable means to move the dog comprising a plunger movable axially of the shaft and having camming engagement with an inner end portion of the dog to move it upon axial movement of the plunger.

2,140,976
COASTING SLED
Henry White, Waynesburg, Pa.
Application February 24, 1938, Serial No. 192,358
1 Claim. (Cl. 280—22)



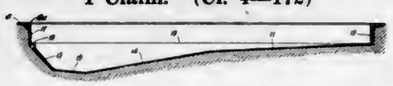
In a coasting sled, a pair of opposed runners, each of said runners including sections hingedly connected together, brackets rising from one section of each runner, cross bars supported by and secured to said brackets, a platform mounted on said cross bars, said runners having front sections with upwardly curving forward ends, tubular bars mounted on said cross bars at opposite sides of said platform, stabilizing bars pivoted at the forward ends thereof to the forward ends of the last-mentioned runners, said stabilizing bars having rear ends telescopically fitting within the forward ends of said tubular side bars, a curved distance steering bar pivotally connecting the forward ends of the last-mentioned runner sections and said stabilizing links, a steering link pivotally connected at one end to the distance steering bar and having a lost motion connection at its rear end with said platform, and a manually operable steering bar secured intermediate its ends to said steering links.

2,140,977
INCANDESCENT LAMP
Howard E. Allen, Nutley, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 16, 1937, Serial No. 153,918
13 Claims. (Cl. 176—39)



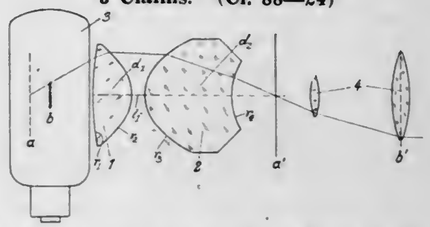
1. An incandescent electric lamp comprising interior supporting leads, a coiled filament disposed therebetween, and means supported by and below said filament, and with members extending longitudinally outward and upward to the filament level, and slidable on said leads for eliminating filament strains due to the expansion and contraction of lamp parts, and means extending from an intermediate portion of said slidable means to prevent undesired tilting thereof.

2,140,978
SWIMMING POOL
Frank F. Beeby, Oak Park, Ill., assignor to Cement Gun Company, a company of Delaware
Application March 10, 1938, Serial No. 195,165
1 Claim. (Cl. 4—172)



A unitary swimming pool of "Gunite" or the like having a deep portion and a shallow portion and comprising a substantially vertical unitary peripheral wall of which the height is substantially the same as the depth of said shallow portion, a bottom having inclined portions extending upwardly from the deeper parts of the pool to the bottom of the side wall and having a unitary cantilever connection therewith at the junction, a reinforcement integral with said inclined portions and said peripheral wall at said junction and inside said tank, and an endless sidewalk slab integral with said wall at the top thereof and acting on said wall both as a stiffening member and a tension band.

2,140,979
CONDENSER LENS SYSTEM
Ludwig Bertele, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application January 27, 1937, Serial No. 122,509
In Germany August 30, 1935
3 Claims. (Cl. 88—24)



1. A condenser lens system adapted to be arranged between the lamp and the projection aperture of a projector, comprising two axially alined lens units, the first unit being collective and positioned adjacent the lamp, both exterior faces of said first lens unit being convex, the face directed toward the second lens unit having a radius of about 1,1 times the focal length of the system, the face toward the lamp having a radius of about 6,0 times such focal length, and the axial thickness of said first lens unit being about 1,2 times such focal length, and the second lens unit being a meniscus shaped collective lens curved with its convex surface toward the lamp and positioned between said first lens unit and the projection aperture, the concave face of said second lens unit having a radius of about 1,6 times the focal length of said system, while the convex face has a radius of about 1,4 times said focal length, the axial thickness of said second lens unit being about 2,2 times said focal length, the concave face of said second lens unit being arranged opposite said projection aperture, the convex faces of the lens units facing each other being deformed at their outer edges, the axial separation distance between the two lens units being about .3 times said focal length.

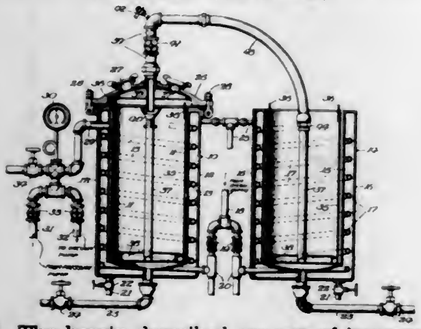
2,140,980
HAIR WAVING APPARATUS
Harry Bonat, New York, N. Y.
Application December 16, 1935, Serial No. 54,629
1 Claim. (Cl. 132—33)



Apparatus of the character described, comprising an elongated hair engaging clamp, a spindle around which hair may be wound, one end of said spindle being provided with a recess having serrations longitudinally arranged on its inner periphery, an upright standard provided adjacent one end of said clamp, an inwardly extending stud formed on said standard for supporting the recessed end of the spindle, a pawl member associated with said stud for engagement with said serrations in said recess, said pawl member being formed by a circumferentially arranged spring member, one portion of which is bent diametrically to the body of the spring member and arranged in a slot provided in said stud and the other portion of said spring member being ar-

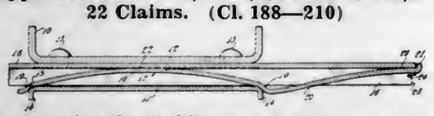
ranged so as to surround substantially the major portion of said stud and to cooperate with said serrations to permit rotary movement of said spindle in one direction, but to prevent such movement in the opposite direction.

2,140,981
PROCESS OF IMPREGNATING WOOD AND THE LIKE
Philip C. P. Booty and Raymond G. Booty, Chicago, Ill.
Application April 11, 1935, Serial No. 15,899
6 Claims. (Cl. 21—49)



1. The herein described process of impregnating articles of wood and the like with a resinous compound which comprises subjecting the articles to heat and a vacuum for reducing to a negligible amount the moisture and air in the pores of the articles at least adjacent their surfaces, introducing into the pores of the articles a resinous material of the phenol-formaldehyde type having a water content of about 20% thereof at least and to which an alcohol of the lower monohydric type is added in the amount of about one part to about ten parts of said resinous material, and then placing the articles so treated in a heated chamber under substantially normal atmospheric pressure for removing the water and alcohol from the immediate presence of the resinous material and for curing the resinous material in the pores of the articles.

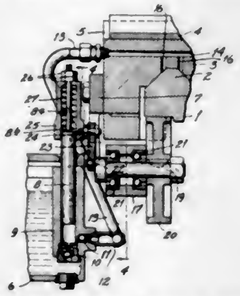
2,140,982
BRAKE BEAM SUPPORT OR THE LIKE
Charles R. Busch, Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y., a corporation of New York
Application June 15, 1937, Serial No. 148,290
22 Claims. (Cl. 188—210)



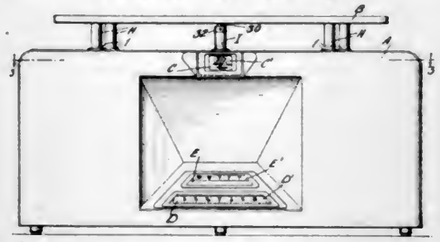
1. A spring for holding a safety support, comprising a length of spring metal of preformed shape including means along its intermediate length providing spaced bearing areas at opposite surfaces of the spring for bearing upon a safety bar and a mounting therefor, respectively, and the ends of the spring being extended and adapted to engage with the ends of the safety bar.

2,140,983
LUBRICATING DEVICE
Lionel A. Carter, Webster Groves, Mo.
Application May 18, 1935, Serial No. 22,149
8 Claims. (Cl. 184—6)

1. In a machine tool, the combination of a bed having a way, a carriage movable along said way, and means operated by the movement of said carriage along said way for lubricating the latter, said means comprising a pump mounted on said carriage and adapted to supply oil to said way, a wheel rotatably sustained by and movable with said carriage with its periphery in rolling contact with said bed, and a yieldable connection between said wheel and said pump for actuating the latter, whereby locking of said wheel against rotation is prevented when the pump pressure has built up to a point preventing operation of the pump.



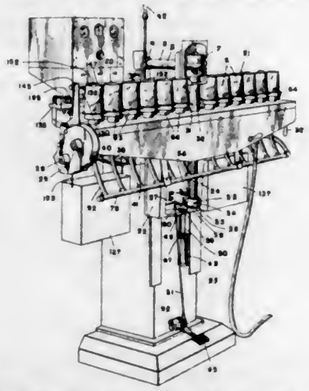
2,140,984
COMPUTING SCALE
Paul M. Cole, Fort Lee, N. J.
Application December 18, 1936, Serial No. 116,448
6 Claims. (Cl. 265—29)



1. In a computing scale, and in combination, displaceable weighing mechanism, a pair of levers, means for varying the slope of said levers proportionally to displacements of said mechanism, a price indicator, movable means for engaging both said levers, means for deflecting said price indicator proportionally to displacements of said movable means, and adjustable means for causing said movable means to engage each said lever at points along its length at predetermined distances from its pivotal axis.

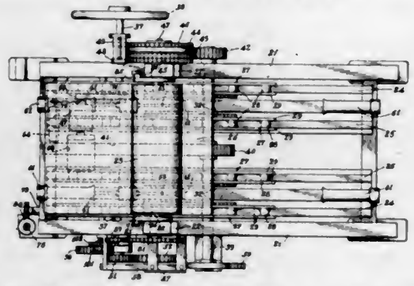
2,140,985
ENGRAVING APPARATUS
Everett J. Cook, Toledo, Ohio, assignor to H. H. Buggie & Company, Toledo, Ohio, a corporation of Ohio
Application September 23, 1937, Serial No. 165,382
37 Claims. (Cl. 51—100)

1. In apparatus for cutting a design in the surfaces of articles, means for supporting adjacent articles in spaced relation to each other, a pattern carrying the record to be duplicated on the surfaces of the articles, a revoluble drive shaft having tools adjacent the ends thereof and positioned with the tools opposite the surfaces of adjacent articles, means supporting said shaft for movement transversely of the axis thereof toward and away from the articles, means for rotating the shaft, an optical unit for scanning the record on the pattern including a light sensitive cell controlled by the record, and means controlled



by the light sensitive cell for actuating the shaft supporting means to move said shaft and tools toward and away from the articles.

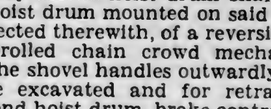
2,140,986
PRINTING PRESS
Lester V. Dearing, Milwaukee, Wis., assignor to Automatic Unit Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application August 16, 1938, Serial No. 225,129
14 Claims. (Cl. 101—282)



1. In a printing press having a reciprocating bed with constant speed throughout an intermediate portion of the cycle in each direction, the combination with a pair of gear-segments positively driven in opposite directions and a positive gear connection between one of said segments and said bed during each intermediate movement of said bed comprising a single rack carried by the bed and a pinion constantly in mesh therewith, of a reciprocating rack and gear-segment transmission to said pinion for driving said pinion and consequently the bed through the decelerating, reversing, and accelerating movements, said segments being related to provide alternate positive drives throughout the entire cycle.

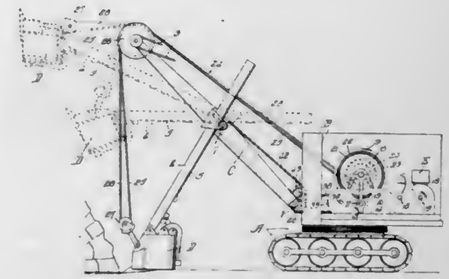
2,140,987
AZO COMPOUNDS AND PROCESS FOR COLORING THEREWITH
Joseph B. Dickey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application May 7, 1938, Serial No. 206,660
17 Claims. (Cl. 8—50)

10. The process of coloring material made of or containing an organic derivative of cellulose which comprises applying thereto a nuclear non-sulfonated azo dye having the general formula:



wherein R represents the residue of an aromatic diazo component, R_1 represents a member selected from the group consisting of hydrogen and an alkyl group X represents a member selected from the group consisting of oxygen and sulfur and R_2 represents a member selected from the group consisting of an alkyl group, an aralkyl group, an aryl group and a furan nucleus.

2,140,988
POWER SHOVEL
Arthur Dukelow, Denver, and Lee M. Alger, Golden, Colo.
Application July 26, 1937, Serial No. 155,636
29 Claims. (Cl. 214—135)



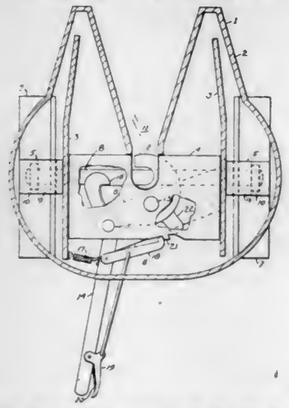
1. In a power shovel, the combination with a boom, a shovel, handles projecting rearwardly from the shovel mounted on the boom for rocking and shifting movements relative to the boom, a continuously driven hoist drum shaft, a brake controlled hoist drum mounted on said shaft and clutch connected therewith, of a reversible double clutch controlled chain crowd mechanism for projecting the shovel handles outwardly into material to be excavated and for retracting the same, a second hoist drum, brake controlled only, mounted co-axial with the hoist drum shaft, a shovel hoisting cable connecting the shovel with both shovel hoist drums, a pair of gears directly connecting the crowd mechanism with the second mentioned shovel hoist drum for contributing booster power to the power of the chain crowd mechanism when projecting the shovel outwardly and for rotating the said second shovel hoist drum when elevating the shovel during retracting movement of the shovel, and one of said gears being loosely mounted and independently clutch controlled.

2,140,989
MOLECULAR COMPOUNDS AND A PROCESS OF PREPARING THEM
Josef Eisenbrand and Max Sienz, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application July 21, 1937, Serial No. 154,936. In Germany July 30, 1936
5 Claims. (Cl. 260—284)

1. The process which comprises causing an acid

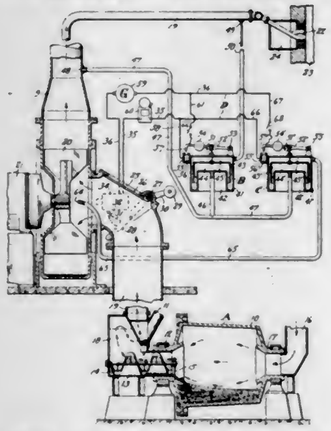
selected from the group consisting of ascorbic acid and iso-ascorbic acid to react with a base selected from the group consisting of quinine and quinidine.

2,140,990
FIFTH WHEEL
Frank C. Emrick, Kalamazoo, Mich.
Application August 20, 1936, Serial No. 97,005
5 Claims. (Cl. 280—33.1)



3. A fifth wheel comprising a hook-up cam, a hand lever having one end conformed to provide a catch for engaging and holding said hook-up cam in closed position, spring means urging said hand lever toward catch closing position, a spring actuated latch adapted to lock said hand lever in closed position or latch it in open position against the force of said spring means, and a cam lug on said hook-up cam acting to momentarily retract said latch when the hook-up cam is turned in either direction between open and closed position.

2,140,991
FUEL COMBUSTION SYSTEM
Martin Frisch, New York, N. Y., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application December 29, 1933, Serial No. 704,452
25 Claims. (Cl. 110—106)

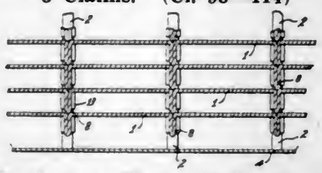


16. A fuel combustion system comprising a source of fuel of a character capable of being carried in a stream of air, a furnace in which the fuel is burned, a conduit connecting the source of fuel and the furnace and through which the fuel is conducted to the furnace, means for closing the conduit, and means responsive to pressure variations in the system to cause the operation of the means for closing the conduit to thereby prevent flame propagation from the furnace to the source of fuel.

2,140,992
PROCESS FOR PREVENTING INCRUSTATION ON HEATING SURFACES DURING THE CONCENTRATION OF SULPHITE-CELLULOSE WASTE LIQUOR
Wilhelm Gensecke, Gonzenheim, near Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y., a corporation of New York
No Drawing. Application February 24, 1936, Serial No. 65,538. In Germany March 6, 1935
4 Claims. (Cl. 252—7)

1. A process for concentrating sulphite cellulose waste liquor without decomposition and without the formation of incrustations on the heat exchange surfaces of evaporators which comprises establishing a stationary pool of sulphite cellulose waste liquor containing an amount of incrustation-forming components including calcium products in excess of that soluble in the volume to which said liquor is to be evaporated, introducing steam into said stationary pool of liquor to heat said liquor to a temperature of about 160° to about 170° C., continuing said heating until about 16 to about 25% of said incrustation-forming components including calcium products is precipitated, transferring said heated liquor devoid of precipitated incrustation-forming components and containing about 75 to about 84% of said incrustation-forming components including calcium products originally present in said waste liquor to evaporators, and then evaporating said heated waste liquor devoid of precipitated components but containing about 75 to about 84% of the incrustation-forming components including calcium products originally present to a volume equal to about 0.25 of the volume of said liquor when saturated to incrustation forming components substantially without decomposition and without further precipitation of said components including calcium products on the heat exchange surfaces of said evaporators whereby concentrated cellulose sulphite waste liquor is produced substantially without reduction of the thermal efficiency of the evaporators.

2,140,993
GRILLE AND METHOD OF MAKING THE SAME
John A. Germonprez, Detroit, Mich., assignor, by mesne assignments, to Barber-Colman Company, a corporation of Illinois
Application February 23, 1934, Serial No. 712,550
3 Claims. (Cl. 98—114)



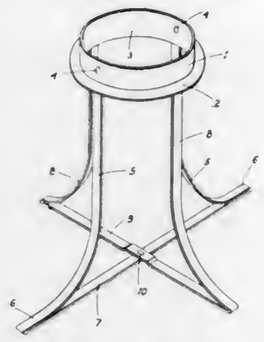
1. A fin for a grille or the like comprising a sheet metal strip having a plurality of U-shaped lateral projections bent from longitudinally spaced portions of the strip, each of said projections having parallel side walls disposed substantially in surface contact at their edges and spaced apart intermediate said edges to define a parallel-walled passageway extending longitudinally of said projection, and having one open end terminating substantially in the plane of the fin and the other end terminating at a point between the closed end of said projection and the body of the fin.

2,140,994
PHOTOELECTRICALLY RESPONSIVE LAYER
Paul Görlich, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application May 3, 1937, Serial No. 140,449
In Germany February 22, 1936
2 Claims. (Cl. 250—164)



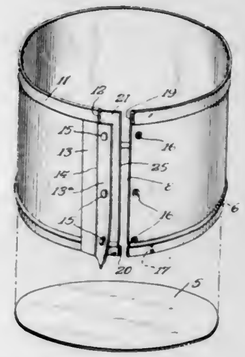
1. A method of producing a minutely subdivided photoelectrically responsive layer upon a carrier, including the steps of depositing unfused selenium particles finely distributed and separated from each other upon said carrier, subjecting said selenium covered carrier to the action of a photoelectrically responsive metal, and then removing the photoelectrically responsive metal from those portions of the carrier not covered by selenium particles, whereby only the individual selenium particles, owing to their coating of photoelectrically responsive metal, remain photoelectrically responsive.

2,140,995
REFUSE DISPOSAL DEVICE FOR VACUUM CLEANER BAGS
Agnes Nadine Groom and Amy Jann Moore, Pittsburg, Calif.
Application July 6, 1936, Serial No. 89,260
4 Claims. (Cl. 248—97)



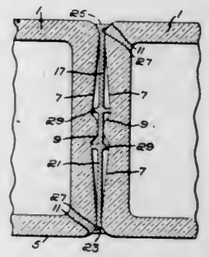
2. A supporting stand for use with a bag into which to transfer refuse from a vacuum cleaner bag, comprising a horizontal band member adapted to closely fit within the neck of the vacuum cleaner bag and to fit over the mouth of the transfer bag, said member comprising inner and outer concentric bands spaced apart but connected together about the top, a pair of opposed legs depending from between and secured to the bands, another pair of opposed legs depending from between the bands in unsecured relation thereto, cross bars connecting corresponding legs adjacent the base thereof, and a pivot connection between said cross bars disposed axially of the band member.

2,140,996
CONTAINER
Solomon A. Heifetz, Wausau, Wis., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application September 15, 1936, Serial No. 100,932
7 Claims. (Cl. 229—4.5)



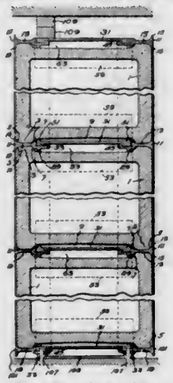
1. A collapsible leakproof container comprising a body made from a blank bent to tubular form, said blank having adjacent one end an externally positioned flap portion forming a pocket for receiving the other end of the blank, said pocket extending for substantially the full depth of the container, and means for fastening the ends of said blank in overlapped relation.

2,140,997
WALL OR THE LIKE
Russell L. Hohl, New York, N. Y., assignor to Revere Copper and Brass Incorporated, New York, N. Y., a corporation of Maryland
Application October 30, 1937, Serial No. 172,011
Renewed June 3, 1938
23 Claims. (Cl. 72—42)



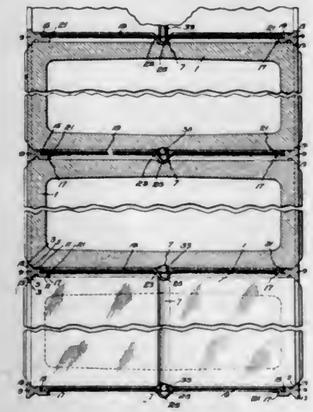
19. A wall or the like formed of preformed blocks the facing surfaces of which are formed to provide at least one pair of oppositely facing shoulders, preformed bonding members between each pair of said facing surfaces for holding said blocks in spaced relation, which members provide finishing strips for the joints between said blocks, and have oppositely facing shoulders severally cooperating with the shoulders of said blocks for preventing relatively transverse movement of said blocks, some of said bonding members being of such length as to extend over a plurality of aligned surfaces of said blocks, which latter bonding members are provided with longitudinally extending means for engagement with complementary means provided by the bonding members transverse thereto for slidably interlocking therewith in the direction of the length of said aligned surfaces.

2,140,998
WALL OR THE LIKE
Russell L. Hohl, New York, N. Y., assignor to Revere Copper and Brass Incorporated, New York, N. Y., a corporation of Maryland
Application March 12, 1938, Serial No. 195,561
22 Claims. (Cl. 72—42)



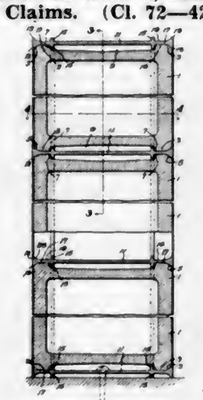
1. A wall or the like having, in combination, a preformed block, preformed bonding means for said block comprising spaced members adjacent a transverse face of the block having shoulder means cooperating with shoulder means presented by said block, and separately formed means interconnecting said members and holding them in spaced relation, said last mentioned means and said members having slidably engageable cooperating portions forming a joint between them interlocking them in all directions normal to that in which they are slid to cause them to engage.

2,140,999
WALL OR THE LIKE
Russell L. Hohl, New York, N. Y., assignor to Revere Copper and Brass Incorporated, New York, N. Y., a corporation of Maryland
Application March 12, 1938, Serial No. 195,562
23 Claims. (Cl. 72—42)



1. A wall or the like having, in combination, adjacent preformed blocks constituting part of said wall, separate longitudinally extending members between said blocks at opposite edges thereof respectively, which members have block-retaining portions cooperating with the exterior surfaces of said blocks, and means interengaging with said members for holding them against separation.

2,141,000
WALL OR THE LIKE
Russell L. Hohl, New York, N. Y., assignor to Revere Copper and Brass Incorporated, New York, N. Y., a corporation of Maryland
Application March 12, 1938, Serial No. 195,563
Renewed June 3, 1938
28 Claims. (Cl. 72—42)



1. A wall or the like having, in combination, preformed blocks forming part of said wall, said blocks having adjacent faces transverse to the wall formed with raised portions adjacent opposite edges thereof which extend in the direction of the wall, which raised portions present inwardly facing shoulders; and a bond for said blocks comprising preformed longitudinally extending means between said faces extending transversely of the wall from adjacent one of said inwardly facing shoulders to the other, which means is formed with raised longitudinally extending portions presenting outwardly facing shoulders cooperating with said inwardly facing shoulders of each of opposite blocks for restraining the latter against relative displacement transversely of the wall.

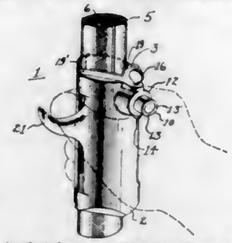
2,141,001
TRAY
James H. Horsley, Chicago, Ill., assignor to Shanklin Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application October 1, 1937, Serial No. 166,900
6 Claims. (Cl. 311—34)



1. A device of the character described, comprising a base having an upper relatively flat surface and annular ring arranged on said base, said ring being provided circumferentially thereof with spaced rollers each mounted for rotation in a vertical plane, a tray supported on said rollers arranged for movement in a horizontal plane, and a cylindrical member extending centrally through said tray and having its bottom wall secured fixedly to said support, said member when secured to said support being effective for maintaining the said base, roller members and tray in assembled, operative position.

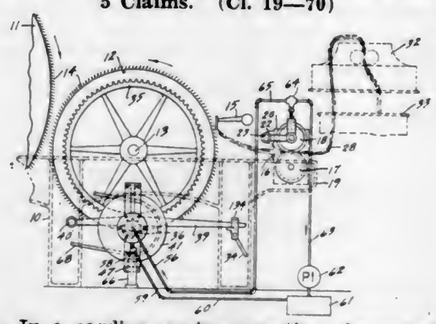
2,141,002
CABLE STRIPPER
Victor C. Huff, Bloomfield, N. J.
Application December 24, 1936, Serial No. 117,575
4 Claims. (Cl. 81—9.5)

1. A stripper for removing insulation from cables of various diametric sizes comprising, a body portion having an outwardly open longitudinally extending V-shaped cable receiving channel, a cutting knife carried by said body portion so as to project into said channel from the apex thereof, and a pair of cooperating gates respectively hinged to opposite longitudinal sides of said body portion and mutually interfoldable across the open side of said channel, said body



portion and infolded gates being adapted to be embraced and gripped by the hand of the user to cause said gate members to close exteriorly over and press a cable into centered engagement with the angular walls of said channel so that the cable insulation is penetrated by the cutting knife and at the same time said cable is held in aligned relation to the latter as the stripper is moved relative to the cable.

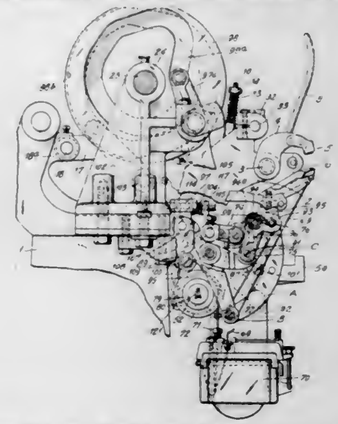
2,141,003
CARD SLIVER CONTROL
John Lindley King, Columbus, and Noah Lawson Whitten, Thomaston, Ga., assignors, by direct and mesne assignments, of one-half to said King and one-half to C. R. Medley, Columbus, Ga.
Application March 16, 1936, Serial No. 69,108
5 Claims. (Cl. 19—70)



1. In a carding engine, coacting elements for advancing the stock under treatment, hydraulic pressure means to give one of said elements a gradually variable speed drive so that its speed relative to other elements can be varied infinitely within a predetermined range, and feeler mechanism acting on the stock under treatment and sensitive to variations in its volumetric flow, said variable speed element being controlled automatically by said feeler mechanism so as to maintain the unit weight of the sliver substantially constant.

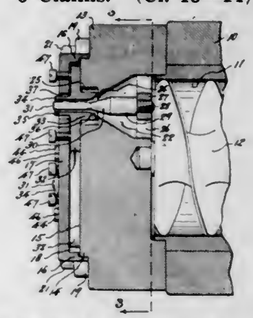
2,141,004
SEWING MACHINE
Harry W. Krag, St. Louis, Mo., assignor to American Shoe Machinery and Tool Company, St. Louis, Mo., a corporation of Missouri
Application July 3, 1936, Serial No. 88,762
19 Claims. (Cl. 112—58)

5. In a sewing machine, a thread feeding mechanism including thread tensioning, measuring and take-up devices and two thread locking devices, one located between the tensioning device and the measuring device and the other between the measuring device and the take-up device, and means for automatically opening one of said locking devices whenever the other of said lock-



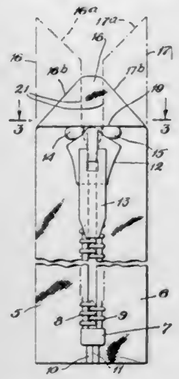
ing devices is closed, said first mentioned locking device being closed and the other locking device opened during the beginning of the operative movement of the take-up device, and said other locking device being closed and said first mentioned locking device open near the end of such movement.

2,141,005
TUBE EXTRUDING DIE
William H. Lussie, West Orange, N. J., assignor of one-half to Donald Karrakis, East Orange, N. J.
Application August 28, 1937, Serial No. 161,357
5 Claims. (Cl. 18—14)



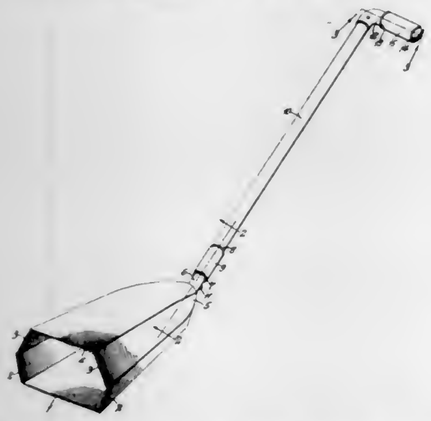
1. In mechanism for extruding tubular formations, a die box having a plurality of discharge chambers, fixed core elements within said chambers, said die box having a transverse seating face at its outer end, a cap-plate in spaced opposed relation to said die box seating face and forming therewith an intermediate die-plate housing chamber, movable die-plates in said housing chamber having extrusion passages with which said core elements respectively cooperate, eccentric cam means cooperating with said die-plates and manipulatable from the exterior face of said cap-plate for independently adjusting said die-plates to dispose their extrusion passages in concentric relation to the core elements extending therethrough, and means to secure said die-plates in adjusted positions.

2,141,006
END TAPE COUPLING FOR SEPARABLE FASTENERS
Davis Marinsky, Bronx, N. Y., assignor to Whitehall Patents Corporation, Bronx, N. Y., a corporation of New York
Application December 24, 1936, Serial No. 117,481
4 Claims. (Cl. 24—205)



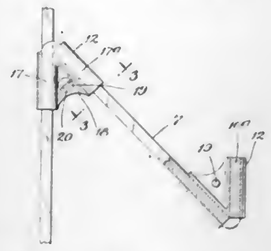
1. An end coupling for the tapes of separable fastener stringers employing links and a slider movable longitudinally of the stringers for coupling said links, said coupling being formed from parts of the stringer tapes projecting beyond the end links thereon, said parts of the tapes at one end of the fastener being folded one upon the other and upon the adjacent portions of the tape of the opposed stringer in close proximity to the end links of the stringers, and said overlapped parts being secured together to form said coupling.

2,141,007
SHOVEL
Robert F. Meeh, St. Louis, Mo.
Application April 18, 1938, Serial No. 202,691
2 Claims. (Cl. 294—55)



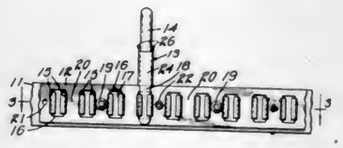
1. A shovel comprising walls forming an enclosure open at one end and closed at the opposite end, a sleeve rigid with the closed end of the shovel and extending angularly upwardly and rearwardly therefrom, a pair of longitudinally spaced flanges integral with said sleeve, a collar rotatively mounted around the sleeve between said flanges and held from longitudinal movement thereby, a handle extending into and rigidly attached to said sleeve and projecting upwardly and rearwardly therefrom, and a rotary sleeve mounted on the outer end of said handle approximately at right angles to said first named sleeve and facilitating turning of the shovel to extend the open end thereof downwardly and discharge the contents therefrom.

2,141,008
CLAMP BRACKET
Pierre H. Meyer, Mount Vernon, N. Y.
Application July 31, 1936, Serial No. 93,610
5 Claims. (Cl. 189—35)



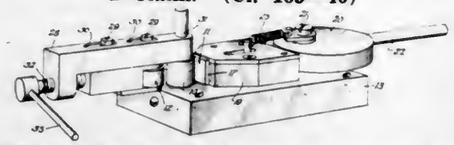
5. A clamp bracket for securing two panel or shelf parts together, said bracket comprising a pair of clamp plates having angularly arranged bordering edges, means engaging said plates for clamping the same upon said parts, each of said plates having a plurality of converging channels, each of said channels being open at both ends and having substantially semi-circular cross-sectional form, the bottom walls of said channels being united at the convergent ends thereof by a web extending beyond said channels proper and forming a corner portion in the plate, two of said channels being arranged adjacent and paralleling the bordering edges of the plates, and at least two of said channels being disposed at 90° to each other.

2,141,009
SUPPORTING DEVICE
Pierre H. Meyer, Mount Vernon, N. Y.
Application August 3, 1937, Serial No. 157,097
4 Claims. (Cl. 312—140)



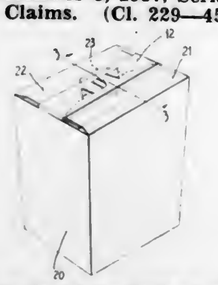
1. A device of the class described comprising an elongated strip of sheet material, said strip having sockets arranged on one side surface thereof at longitudinally spaced intervals, said sockets opening through at least one side edge portion of the strip to be accessible therethrough, said sockets being arranged at close and regular intervals thoughout the length of said strip, said sockets being formed by pairs of substantially hook-shaped flanges projecting from said side surface of the strip and arranged inwardly of the side edges of the strip, and the distance between the flanges in each pair being substantially equal to the distance between adjacent flanges of the respective pairs to provide other sockets intermediate said pairs of flanges.

2,141,010
RING BENDING MECHANISM
George C. Minister, Columbus, Ohio, assignor to The Josten Manufacturing Co., Owatonna, Minn., a corporation of Minnesota
Application June 7, 1937, Serial No. 146,757
1 Claim. (Cl. 153—46)



In a mechanism for forming finger rings from elongated generally straight blanks, the combination of, a base, a forming cylinder on said base of a diameter equal to the desired interior diameter for the finished ring, a clamping member mounted for axial sliding movement on said base toward and away from said cylinder to clamp the central portion of the blank therebetween, means including a peripheral cam pivoted on said base adjacent the outer end of said clamping member for moving the same into and out of clamping position with respect to said cylinder in response to oscillation of said cam, said last named means including means for urging said outer end of said axial sliding clamping member into abutment with the periphery of said oscillatable cam, means including a roller arranged for swinging movement about the axis of said cylinder for progressively pressing the laterally extending portions of the clamped blank against the cylinder in ring shape, and means including a screw member for moving said roller toward and away from said axis.

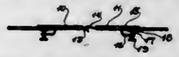
2,141,011
CARTON RETAINING BAND
Howard H. Monk, Rockford, Ill., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application December 3, 1937, Serial No. 177,921
6 Claims. (Cl. 229—45)



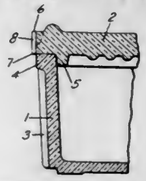
1. A retaining band for locking carton closure flaps comprising an elongated band of paper having free unconnected ends, spaced score lines in said band forming two end panels and an intermediate panel, the said end panels being adapted to be overlapped beneath the closure flaps of a carton to lock and retain same in closed position.

2,141,012
COLLAR HOLDER
Amedeo Morvillo, Providence, R. I., assignor to Spear & Susskind, a copartnership composed of Alfred Spear and Louis Susskind, both of Providence, R. I.
Application March 11, 1935, Serial No. 10,472
2 Claims. (Cl. 24—83)

1. A collar holder comprising a hook portion and an eye portion, said hook portion comprising an ornamental bar having a hook at one end, and means for releasably clamping one end of a collar to the rear portion of the other end of said bar, said eye portion comprising an ornamental bar having an eye at one end engageable by said hook, and means for releasably clamping the other end of the collar to the rear portion of the other end of said bar, each of said releasable clamping means including a bar clamped to the ornamental front of said collar holder having a portion thereof bent so as to be spaced in parallel relation with said ornamental front portion, and a screw clamp riding in a threaded opening in the end of said bar, said clamp having a rounded head on the inner end thereof facing the rear portion of said ornamental front portion of the collar holder.

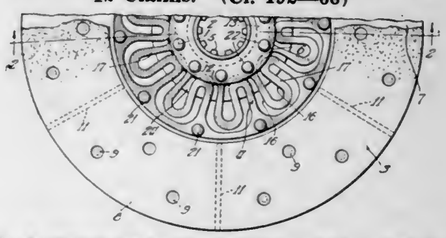


2,141,013
GLASS CONTAINER
Albert H. Nicholson, Columbus, Ohio, assignor to The Federal Glass Company, Columbus, Ohio, a corporation of Ohio
Application June 5, 1937, Serial No. 146,650
3 Claims. (Cl. 65—59)



2. A container of the type indicated formed of glass and comprising a body portion having a removable lid resting on the upper edge thereof, said lid having its edge bevelled downwardly and outwardly with its outermost point substantially flush with the side wall of the container at its upper edge, said lid having a pair of oppositely disposed lugs integrally formed on the bevelled edge of the lid at opposite sides thereof, each of said lugs having a substantially vertically disposed outer surface which projects slightly beyond the side wall of the container at the upper edge thereof and the outermost point of the edge of the lid, said lugs being so disposed that they may be gripped by the fingers of the hand to lift the lid from the container.

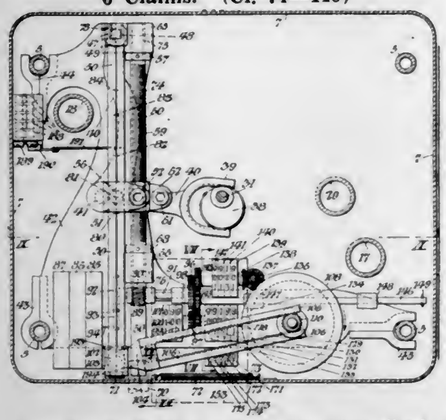
2,141,014
CLUTCH PLATE
Harold Nutt, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application April 17, 1936, Serial No. 74,878
12 Claims. (Cl. 192—68)



1. A clutch plate comprising, a hub, a friction facing assembly disposed concentrically about the

axis of said hub, and an annular resilient cushion interposed between said hub and said friction facing assembly and arranged yieldingly to transmit torque therebetween, said cushion being formed of relatively thin flat and yieldable metal stampings having slots therethrough whereby to provide a plurality of spoke portions extending from the inner peripheral portion of the annular cushion to the outer peripheral portion thereof, said spoke portions having such circumferential yieldability as to constitute said cushion a torsional vibration dampener.

2,141,015
DISPENSING APPARATUS
Arthur E. Paige, Philadelphia, Pa.
Application July 3, 1934, Serial No. 733,541
6 Claims. (Cl. 74—119)

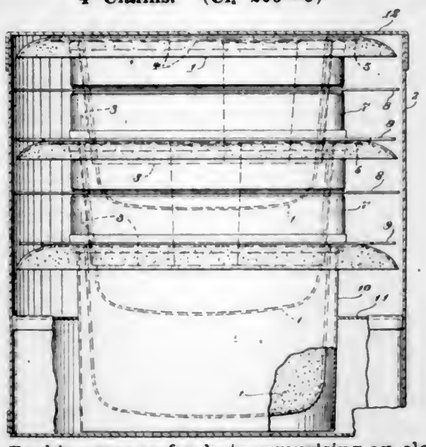


1. In an apparatus of the class described; the combination with a rotary driven eccentric; of a lever; means operatively connecting said eccentric with one end of said lever, whereby, oscillatory movement of constant amplitude is imparted to that end of said lever; a fulcrum member, adjustable longitudinally with respect to said lever; a slide bearing for said fulcrum member screw threaded as a nut; a screw shaft engaging said nut thread; stationary bearing means supporting and preventing longitudinal movement of said shaft; whereby, said slide bearing and the fulcrum of said lever may be precisely adjusted longitudinally with respect to said lever by rotation of said screw shaft; means for fixing said fulcrum in adjusted position on said lever; adjustable means for varying the effective length of the opposite end of said lever, independently of its fulcrum; a rotary drive member; means operatively connecting said drive member with the opposite end of said lever, including a gear in concentric relation with said drive member and a rack in mesh with said gear; a one-way clutch device, between said gear and said drive member; whereby, rotary movement may be imparted to said drive member by the oscillation of said lever, and the ratio of movement of the opposite ends of said lever may be varied in accordance with the position of said fulcrum.

2,141,016
ALLOY STEEL
Peter Payson, New York, N. Y.
No Drawing. Application November 19, 1936, Serial No. 111,616
13 Claims. (Cl. 148—31)

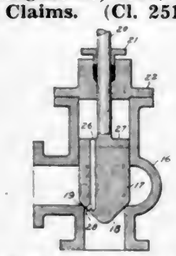
1. An alloy steel, characterized in being hardened by maintaining the same at temperature within the approximate range of 1200 to 1800° F. until hardened, and in thereafter undergoing no substantial reduction in hardness after heating to any temperature up to about 1400° F., said steel containing about 18 to 35% chromium, under 1% of nickel and manganese, and about 1 to 15% of metal of the group consisting of silicon and molybdenum, the balance of said steel consisting principally of iron.

2,141,017
CROWN AND BRIM PROTECTOR
Frank G. Richards, Philadelphia, Pa., assignor to John B. Stetson Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 15, 1938, Serial No. 202,172
4 Claims. (Cl. 206—9)



1. Packing means for hats comprising an elongated sheet of material having parallel arcuate sides, the convex side being slitted to produce a plurality of similar tongues, said sheet constituting the development of the frustrum of a cone and being adapted to be placed around the crown of a hat, and the tongues being adapted to spread out on the upper side of the brim of the hat and a hat supporting ring surrounding the cone and the crown of the hat, and bearing only against the cone.

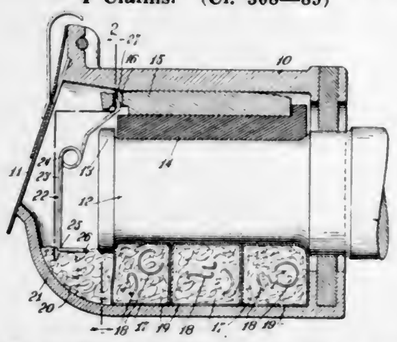
2,141,018
NEEDLE VALVE
Joseph J. Ring, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application August 17, 1936, Serial No. 96,340
4 Claims. (Cl. 251—75)



1. In a valve subject to high pressure differences on opposite sides thereof, a casing connected with high pressure upstream and low pressure downstream spaces and having a conical seating surface therein, a valve body having a conical

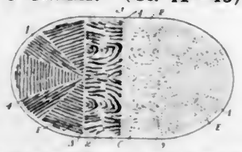
end surface seating in and being movable into a chamber defined by said casing, said valve having a passageway therethrough from downstream of and adjacent to the conical seating surface in said casing and extending to the upper surface of said valve body to equalize the pressure acting on the end surfaces of said valve body at a predetermined rate, and means for moving said valve body relative to the seat therefor in said casing.

2,141,019
PACKING RETAINER FOR JOURNAL BOXES
Charles T. Ripley, Wilmette, Ill.
Application July 2, 1936, Serial No. 88,601
4 Claims. (Cl. 308—89)



1. In combination with a journal box, journal, brass and wedge, the latter formed with an opening in its outer end: a lubricating packing in the box under the journal; a body of packing bearing against the aforesaid packing and extending beyond the end of the journal; and a spring packing retainer comprising a spring wire, the ends of which are engaged in the opening in the wedge and the middle portion of which bears against said second-named body of packing.

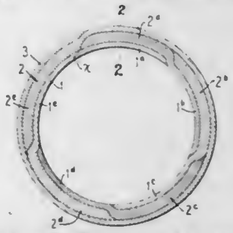
2,141,020
MATCHED VENEER STENCIL
Benjamin G. Robertson, Louisville, Ky., assignor to Finishing Systems Incorporated, Louisville, Ky., a corporation of Kentucky
Application May 18, 1936, Serial No. 80,288
5 Claims. (Cl. 41—43)



1. A method of making a matched veneer stencil comprising marking on a stencil blank the boundary line layout of the proposed matched veneer panel portions, securing an auxiliary boundary member to the blank along the boundary line of said layout, coating the blank with a resistant, outlining on the panel portions of the blank the cutouts of proposed matched veneer patterns and etching through the blank along its cutout outlines with an etching material.

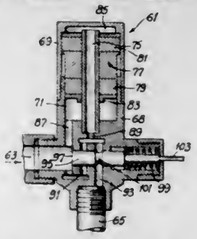
2,141,021
METHOD OF WELDING
Robert M. Rooke, Jersey City, N. J., and Frederick C. Saacke, New York, N. Y., assignors to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application December 9, 1936, Serial No. 114,936
2 Claims. (Cl. 113—112)

1. The method of uniting metal parts by means of a gas flame and welding rod, which method comprises welding together juxtaposed edges of said parts progressively along a seam formed between said edges for a distance sufficient to permit the initially melted metal to cool through its critical temperature range, then melting additional metal into the seam and depositing such metal progressively along the seam over the initially melted metal after it has cooled through its critical temperature range, continuing the deposit



of metal progressively along the seam beyond the end of the initial portion of the weld for a distance substantially equal in length to said initial portion, and then progressively melting additional metal into the seam above and beyond the second portion of the weld after it cools through its critical temperature range, and similarly adding successive portions to the weld until the seam has been welded for its full length.

2,141,022
LUBRICATING APPARATUS
Lutwin C. Rotter, Glendale, Mo., assignor to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri
Application April 17, 1937, Serial No. 137,555
14 Claims. (Cl. 184—7)

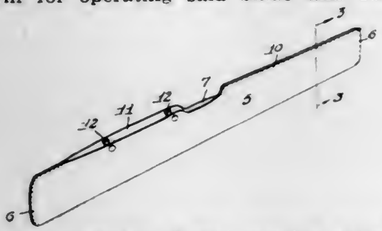


4. An injector comprising a body having a pressure inlet and a pressure outlet, a differential cylinder having a communication with said pressure inlet, a differential piston in said cylinder having opposite large and small end areas, the small end area being at all times exposed to pressure from said inlet, means forming a passage communicating with the large end area of said piston, said last-named communication having passage to said inlet and a second passage to said outlet, a valve, biasing means for the valve, said valve being forced by said biasing means to open said passage to the inlet and to close the passage to the outlet when the pressure in the inlet is of one value and vice versa when the pressure in the inlet is of another higher value to force the valve against its biasing means.

2,141,023
ATTACHMENT FOR WINDSHIELD WIPERS
Maurice L. Ryan, St. Paul, Minn., assignor of one-half to G. Douglas Brand, St. Paul, Minn.
Application September 30, 1937, Serial No. 166,549
3 Claims. (Cl. 15—250)

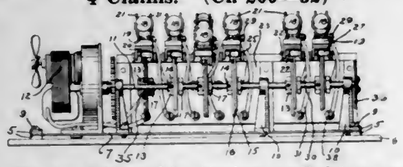
3. An attachment for a windshield wiper blade comprising, an absorbent, flexible sleeve formed

to completely envelope said blade, having an opening centrally located at one edge to receive an arm for operating said blade and formed



with a continuation of said opening extending toward an end to permit the insertion of the blade into the sleeve and means for closing the continuation of said opening.

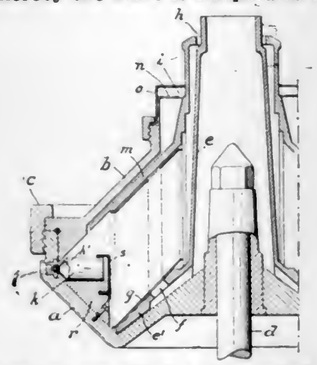
2,141,024
TIME CYCLE CONTROLLER
Joseph H. Staley, Columbus, Ind., assignor to Electric Switch Corporation, Columbus, Ind.
Application February 15, 1937, Serial No. 125,784
4 Claims. (Cl. 200—32)



2. In an adjustable timing switching mechanism, a rotatable shaft, means for rotating the shaft, at least one switch along the shaft, a sleeve shiftable both longitudinally and revolvably of the shaft, means for securing the sleeve in selected positions on the shaft in reference to said switch, a composite cam carried by said sleeve having two co-axial parts to form an adjustably shaped periphery, means removably engaging one of said cam parts with said sleeve to carry that part in fixed position therewith, the second cam part being revolvably carried by the sleeve to be shiftable therearound in respect to the first cam part, a member carried by the sleeve securing the second cam part on the sleeve whereby the two cam parts initially adjustable one in respect to the other may be revolvably and longitudinally adjusted as a combined unit on said shaft and then fixed thereto in reference to said switch, and a switch actuating member into the path of which said cam is located to rock the actuating member and thereby operate said switch in timed sequence in accordance with the cam shape and the rotation of said shaft, a head on said sleeve between which and said securing member both of said cam parts are compressively engaged, said securing member consisting of a nut screw-threadedly engaging said sleeve.

2,141,025
CENTRIFUGAL BOWL
George J. Strezynski, Poughkeepsie, N. Y., assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application May 18, 1937, Serial No. 143,289
6 Claims. (Cl. 233—47)

1. The combination with a centrifugal separator bowl having a port through its peripheral wall for the discharge of a heavy constituent, of a hollow valve guidedly movable radially inward and outward and adapted in such movement to alternately open and close communication between the interior of the bowl and the port, said valve having an opening the communication of which with the interior of the bowl is also opened and closed as the valve moves inward and outward but is always in communication with the port, the valve except for said opening being closed, whereby the valve is adapted to be alter-



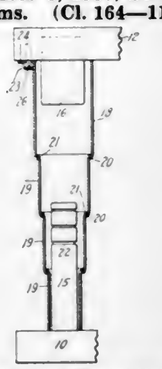
nately more or less filled and emptied through the same opening, thereby so changing its gross weight that it will alternately sink and float in the surrounding liquid.

2,141,026
TAMPON APPLICATOR
Paul B. Vallé, New Haven, Conn., assignor to The Connecticut Hard Rubber Company, New Haven, Conn., a corporation of Connecticut
Application September 26, 1936, Serial No. 102,767
7 Claims. (Cl. 128—127)



1. A tampon-applicator comprising a hollow body portion generally spherical in shape, and a diaphragm extending between the walls of the body at the intermediate portion thereof, said diaphragm separating the hollow interior portion of the body into an upwardly facing cavity and a downwardly facing cavity and forming the bottom of one cavity and the top of the other, and the diaphragm being a concavo-convex member to flex downwardly when the body is compressed for insertion.

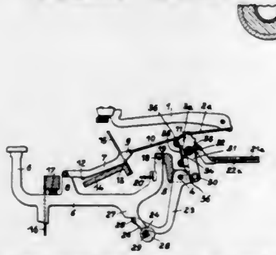
2,141,027
COVER FOR LEADER PINS
William A. Wiesman, Dayton, Ohio
Application November 8, 1937, Serial No. 173,439
15 Claims. (Cl. 164—118)



1. In a die set or the like comprising a base, a guide pin carried by said base and a member

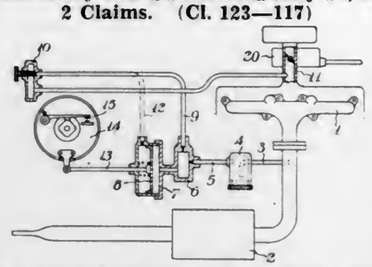
movable toward and from said base and provided with a guideway to receive said guide pin, a tubular device carried by said movable member in line with said guide pin and of such length that it will bridge the space between said guideway and said pin when said movable member is in its retracted position, and quickly detachable means for securing said tubular device to said movable member.

2,141,028
NOISE SILENCING TYPE BAR ACTUATING ARRANGEMENT FOR TYPEWRITERS
Hugo Benzing, Dresden, Germany, assignor to Aktiengesellschaft vorm. Seidel & Naumann, Dresden, Germany
Application July 14, 1936, Serial No. 90,497
In Germany July 15, 1935
6 Claims. (Cl. 197—27)



1. In a typewriter having a platen, a pivoted key lever and a pivoted type lever; an independently pivoted intermediate lever connected to the key lever, an auxiliary lever connected at its respective ends to the intermediate and type levers, said intermediate and auxiliary levers and their connections shifting the type lever to a "ready" position upon a depression of the key lever, and combined lost motion and braking means mutually embodied in the intermediate and auxiliary levers for enabling motion of the type and auxiliary levers independently of the intermediate lever and for diminishing the momentum of said type lever as said type lever moves from said "ready" position toward its printing position against the platen, said means including a pin and hole connection between the intermediate and auxiliary levers and a spring to resist lost motion between said levers.

2,141,029
AUTOMATIC IGNITION TIMER
Jakob Bohli, Solothurn, Switzerland, assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application May 11, 1937, Serial No. 142,062
In Germany and Switzerland May 27, 1936
2 Claims. (Cl. 123—117)



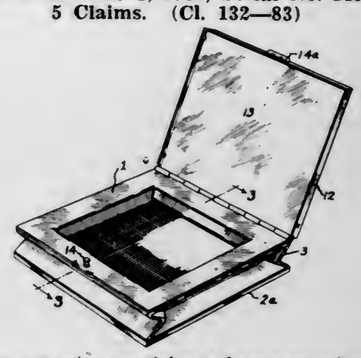
1. In combination with an internal combustion engine having intake and exhaust manifolds and an adjustable ignition system means for automatically adjusting the ignition in accordance with the variations in pressure of the intake and exhaust gases, and manually adjustable means for selectively causing one of said gas pressures to predominate over the other in its effect on the ignition adjustment.

2,141,030
AUTOMATIC UP AND DOWN BRIDGE
Isaac N. Clark, Tulsa, Okla.
Application July 24, 1937, Serial No. 155,555
6 Claims. (Cl. 102—4)



1. A bridge member carried by the upper end of a torpedo and adapted to grip a well wall and support from the well wall the next torpedo lowered into the well, said bridge member comprising a chambered body member adapted to receive the nose of a second torpedo above the first mentioned torpedo, a plate below the body member, downwardly extending wall gripping dogs carried by the body member, upwardly extending dogs carried by the plate and adapted to grip the wall in opposed relation to the first mentioned dogs, link connections between said dogs and arms carried by the first mentioned dogs and extending beneath the chambered body member into the path of the nose of the second mentioned torpedo and forming means whereby the second mentioned torpedo will force the downwardly extending gripping dogs outwardly and the upwardly extending dogs outwardly through the medium of the link connections into gripping engagement with the well wall.

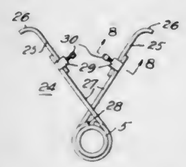
2,141,031
COMPACT
Arthur P. Conant, Fort Thomas, Ky., assignor to Decometal Incorporated, Dayton, Ky., a corporation of Kentucky
Application June 1, 1937, Serial No. 145,801
5 Claims. (Cl. 132—83)



1. A compact comprising a frame member having flanges bent downwardly and outwardly from

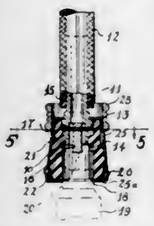
its inner edges, a base member of the same peripheral shape as the frame member, said members being connected together by means of an accordion pleated member having inturned attachment lips at its upper and lower edges, said upper lips being pinched between said frame member and said flanges, and said lower lips being adhesively attached to said base member.

2,141,032
CLOTHESLINE SUPPORT
Joseph C. Cordell, Mount Lebanon, Pa.
Application March 27, 1935, Serial No. 13,210
1 Claim. (Cl. 248—70)



A pipe bracket comprising a strap with a looped end adapted to partially surround a pipe and an elongated rigid member having a curved end portion adapted to have a tiltably adjustable engagement with a supporting surface and means for adjustably mounting said strap on said rigid member to vary the over all distance between the looped end of the strap and the curved end portion of said rigid member.

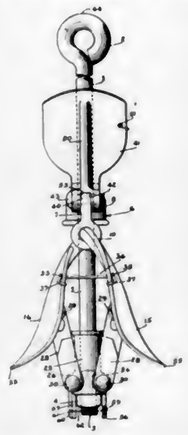
2,141,033
AIR CHUCK
John C. Crowley, Cleveland Heights, Ohio, assignor to The Dill Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application March 11, 1937, Serial No. 130,347
4 Claims. (Cl. 284—19)



1. An air chuck comprising a resilient body member adapted to receive the end of a valve stem, said member being of enlarged external diameter adjacent one of its ends, a fitting molded in the opposite end of said member for connecting the same to an air line, a ring surrounding said member and slidable longitudinally thereof for contracting the enlarged end of the member upon the end of the valve stem to retain the chuck in air sealing position thereon.

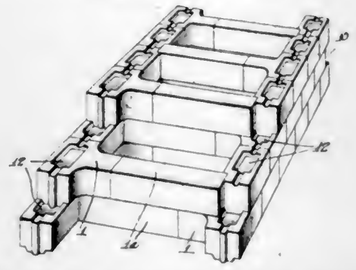
2,141,034
EARTH ANCHOR
Thomas K. Cummins, St. Paul, Minn., assignor to Northern Malleable Iron Company, St. Paul, Minn., a corporation of Minnesota
Application March 5, 1936, Serial No. 67,319
9 Claims. (Cl. 189—92)

1. An earth anchor having, upper and lower separately pivoted pairs of swingable leaves the lower pair adapted to swing upwardly about their pivotal points when expanded to anchoring posi-



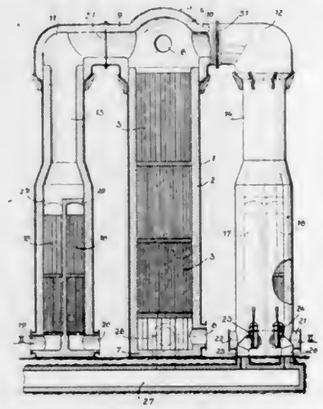
tion and the upper pair adapted to swing downwardly to anchoring position.

2,141,035
COKING RETORT OVEN HEATING WALL OF BRICKWORK
Joseph Daniels, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware
Application January 23, 1936, Serial No. 60,486
In Germany January 24, 1935
4 Claims. (Cl. 202—223)



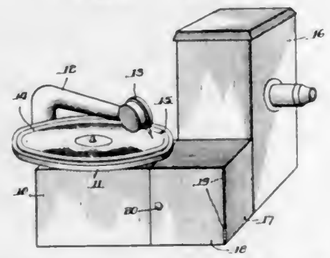
1. In a coking retort oven chamber heating wall comprising spaced liner walls and intermediate tying walls composed of individual bricks arranged in superimposed horizontal courses with staggered joints, the outside surfaces of the liner walls constituting the lining for contiguous coking chambers on opposite sides of the heating wall and the liner walls and tying walls together forming inner heating flues between each two adjacent tying walls and the appurtenant portions of the liner walls, for gas heating of the liner walls for the coking chambers, the bricks in each liner wall being separate from those in the other liner wall and the bricks in each liner wall being interconnected with each other, to restrain their longitudinal movement lengthwise of the heating wall, by tongue and mortise joints of less length than the thickness of the liner walls and interconnecting the upper portion of the bricks in each course with the lower portion of the bricks in a next higher course and adapted by their mortise interconnection to restrain longitudinal movement of the bricks they interconnect relative to each other lengthwise of the heating wall.

2,141,036
REGENERATIVE HEATER AND THE LIKE
Joseph Daniels, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware
Application July 11, 1936, Serial No. 90,201
In Germany July 13, 1935
11 Claims. (Cl. 263—19)



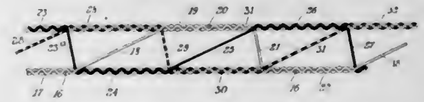
1. Regenerative heaters for heating up gases or vapours comprising a regenerator constituted of a tower-like casing innerlined with refractory brickwork and having regenerator checkerbrick arranged inside said casing; at least one combustion shaft arranged outside said casing and communicably connected at its upper part with the top of the regenerator for flow of heating gases thereto, said combustion shaft being provided below its upper connection with the regenerator with means for introducing combustion media to the combustion shaft, said means comprising a series of alternate gas and air inlet slots arranged side-by-side in a row across the combustion shaft for combustion with a flame of comparatively short length.

2,141,037
PROJECTION TIMING DEVICE
David Franklin, Rensselaer, N. Y.
Application November 18, 1935, Serial No. 50,373
1 Claim. (Cl. 88—28)



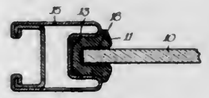
A projection timing device for use with a phonograph mechanism and a still picture projector comprising a tape drive means having operative association with the phonograph for moving the drive means at a speed proportionate to the movement of the record on the phonograph, a driving surface on said drive means movable therewith, means operatively connecting the drive surface and the tape for moving the tape at all times at the same speed as said drive surface whereby the tape moves at a speed exactly proportionate to the speed of motion of the record, indexing means on said tape, means positioned on said device and actuated by said indexing means as the tape is moved past a given point to shift the pictures in the projector, reciprocable means mounted on said device for movement in a predetermined path and engaging means mounted on said reciprocable means for engaging the film during movement in said path to shift the film a fixed predetermined distance, and means operatively connecting said shifting means and said indexing means to shift the pictures in the projector when the indexing means passes a predetermined point.

2,141,038
TRIPLE WARP LADDER WEB
George Frederick French, Manchester, England, assignor to Thomas French & Sons Limited, Manchester, England, a corporation of Great Britain
Application April 22, 1938, Serial No. 203,583
In Great Britain December 22, 1937
17 Claims. (Cl. 139—384)



1. In ladder web including two outer bands and having cross-straps woven therein and spaced a given distance apart, the improvement which comprises a plurality of sets of warp threads woven with weft thread in each of the outer bands, each set forming successively a section of an outer band equal in length to said given distance, a cross-strap, a section of the opposite outer band equal in length to said given distance, a crossover, a section of said first outer band equal in length to said given distance.

2,141,039
SASH CONSTRUCTION
William S. Hamm, Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill., a corporation of Illinois
Application October 30, 1936, Serial No. 108,414
2 Claims. (Cl. 189—76)

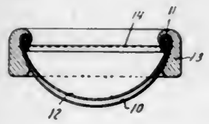


1. In sash construction, a frame, a pane of glass, glazing strips in the frame about the edges of the glass, and adhesive tape on the edges of the glass between the latter and the glazing strips in adhering association with the glass and frictional engagement with the glazing strips at opposite sides of the joints present between the glazing strips.

2,141,040
PESSARY
Helen Holt, New York, N. Y.
Application March 23, 1937, Serial No. 132,464
7 Claims. (Cl. 128—127)

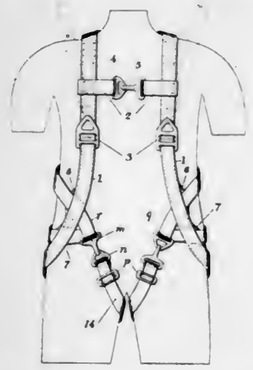
1. A pessary which comprises the combination of a generally dome-shaped imperforate diaphragm of thin, flexible, impervious material, a layer of absorbent material attached to the diaphragm on the concave side of the latter, and a

relatively thick pad of absorbent material mounted along the rim of the diaphragm and covering



the rim and at least a portion of the convex surface of the diaphragm.

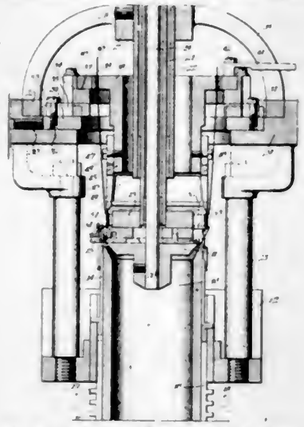
2,141,041
PARACHUTE HARNESS
Samuel H. Knight, Lancaster, Pa.
Application September 8, 1936, Serial No. 99,777
4 Claims. (Cl. 244—151)



1. A parachute harness used in connection with a free pack having load cords to which the harness may be detachably secured, comprising a continuous strapping embracing the body of the wearer, fasteners placed on a front portion of the strapping, and detachably connecting the harness to the load cords, the strapping between these fasteners passing beneath the buttocks of the wearer and forming a sling, and having slides opposite the hips of the wearer; the strapping on the opposite side of the fasteners from the sling passing over the shoulders of the wearer and down his back and passing freely through said hip slides, forming a loop, and the end portions of said strapping being led from said slides across the back of the wearer and overlapping each other, each end of said strapping having secured to it an adapter movable along the overlapping portion of the other end of the strapping, and leg straps extending from the sling and detachably secured to the said hip loops.

2,141,042
KNITTING MACHINE AND METHOD OF OPERATING SAME
Nathan Levin, Trenton, N. J.
Application December 6, 1933, Serial No. 701,194
Renewed September 2, 1938
25 Claims. (Cl. 66—135)

4. In a circular independent needle knitting machine having a needle cylinder, needles in said cylinder, a wrap cylinder of a diameter substantially equal to the diameter of the needle circle and having a series of yarn guide apertures therein for wrap yarns, said wrap cylinder being disposed eccentric to said needle cylinder and

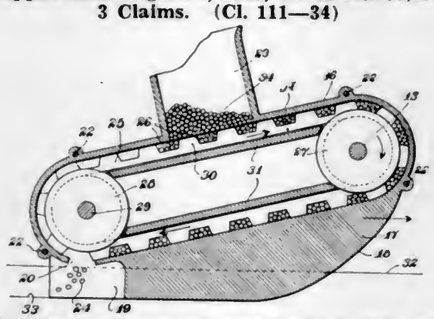


movable as a unit so that said apertures move in unison to wrap said yarns around said needles.

2,141,043
MOLDING POWDER
Cornelis Maters, The Hague, Netherlands, assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 19, 1938, Serial No. 191,457
8 Claims. (Cl. 106—22)

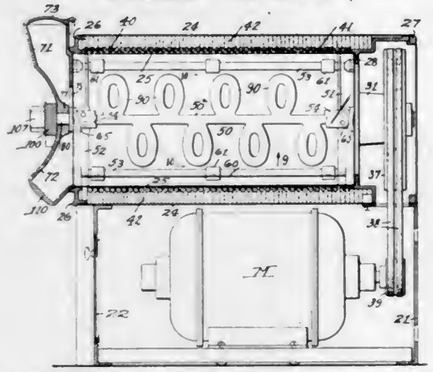
1. A molding powder comprising hexamethylene-tetramine and a fusible condensation product of an aldehyde with a pine wood pitch, the said pitch being characterized by substantial insolubility in petroleum hydrocarbons and comprising a residue low in abietic acid remaining after the separation of refined rosin high in abietic acid from the resinous material obtained by extraction of pine wood with a solvent.

2,141,044
HILL DROPPING SEEDER
Hugo C. Rassmann, Beaver Dam, Wis.
Application August 7, 1935, Serial No. 35,154
3 Claims. (Cl. 111—34)



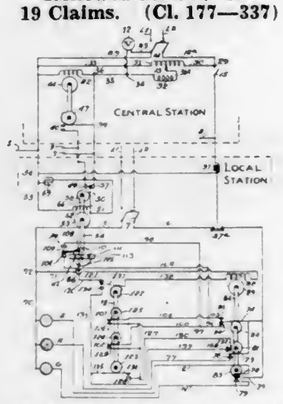
1. A seeder including a casing having an open portion, an endless seed carrier, channels in said casing for guiding said seed carrier, a seed hopper past which said carrier operates to pick up seeds into spaced apart seed compartments, wheels for supporting and operating said carrier, a cover for closing said open portion of said casing being removable to permit the seed carrier to be changed when desired, and seed furrow opening means through which the seeds are discharged in hills equally spaced apart in the operation of said seeder.

2,141,045
HORIZONTAL COUNTER FREEZER
Alfred Ruttiman, Gardner, Mass., assignor to The Alaska Freezer Co., Inc., Winchendon, Mass., a corporation of Massachusetts
Application July 23, 1937, Serial No. 155,276
5 Claims. (Cl. 259—9)



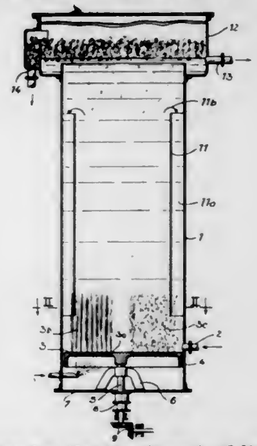
1. In a horizontal counter freezer, a casing having a removable front end member, a stud fixed in said end member and having a non-circular inner end portion, a cylindrical removable bushing loosely fitting said stud and having an axial opening of similar non-circular cross section, a dash and scraper assembly supported for rotation at its outer end on said bushing, and a stationary dasher having a non-circular end portion held from rotation by said bushing.

2,141,046
SIGNAL CONTROL SYSTEM
Edward J. Schulenburg, Moline, Ill., assignor, by mesne assignments, to Eagle Signal Corporation, Newton, Mass., a corporation of Massachusetts
Application August 8, 1929, Serial No. 384,322
Renewed June 5, 1937
19 Claims. (Cl. 177—337)



1. In a traffic control system comprising a plurality of traffic signal stations with stop and go signals at each station, an electric motor at each station, means operated by said motor arranged to actuate said traffic signals in accordance with a predetermined cycle, an electric circuit including a common supply source of electrical energy and having a portion at each station in which the motor for that station is included, and means in said circuit for varying the voltage of the current supply to said motors, whereby the time length of the signal cycle may be varied for the signals at all the stations simultaneously, together with means for periodically opening the said portion of the circuit at each of the stations, whereby the operation of the motor for the corresponding portion is stopped, a substitute circuit in which all the said station motors are included, and means acting at definite predetermined intervals to close the said substitute circuit for restarting the operation of all the motors simultaneously and interconnected with the circuit of the station motors so that the said intervals are adjustable in proportion to the variations in the time length of the signal cycles.

2,141,047
GAS AND LIQUOR TREATMENT APPARATUS
Johannes-Schulte, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware
Application April 6, 1936, Serial No. 73,046
In Germany April 6, 1935
2 Claims. (Cl. 261—93)

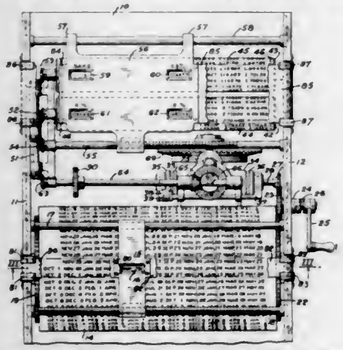


1. Apparatus for the treatment of liquors with gases, especially for the treatment of spent gas washing liquors with oxidizing gases, comprising a tower-like vessel of relatively much greater height than width having a foam outlet and its liquor outlet at its upper portion and having its liquor inlet and its gas inlet near its bottom for unidirectional upward flow of gas and liquid, means for diffusing gas into liquid in the vessel comprising a perforated rotatable horizontal plate arranged inside the vessel above the gas inlet but below the lower liquid inlet, and means for rotating the plate when the vessel is filled with liquor, the perforated plate being mounted for rotation on a vertical axis and having the perforations in the horizontal plane of the plate, and the liquid inlet means for the vessel being confined to deliver the liquid solely above the means for diffusing gas into the liquid in the vessel, and the vessel being constituted to provide an unobstructed liquid flow space, for quiescent upflow of gas and liquid free from agitation and diffusing means, for a height above the gas diffusing means many times the height of the portion of the vessel given over to the diffusion of gas therein.

2,141,048
INTEREST CALCULATING MACHINE
Frederick W. Schwab, San Francisco, Calif.
Application December 21, 1936, Serial No. 116,849
7 Claims. (Cl. 235—67)

1. In a calculating device, the combination of

a rotatable drum having date indicia chronologically arranged thereupon, a cursor associated with said drum through which a single date thereupon is visible, means for rotating said drum backward or forward from any date readable through said cursor to obtain an earlier or



later date reading through said cursor, and means adjustable with respect to any date upon said drum having energy storing means for returning said drum backward or forward to the first date reading after the earlier or later date has been set up by an operation of the device.

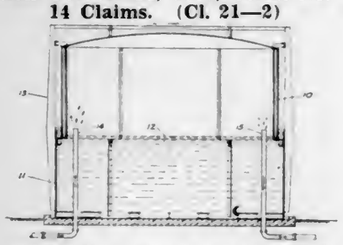
2,141,049

GAS HOLDER WATER TREATMENT

John R. Skeen, Philadelphia, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania

Application October 14, 1937, Serial No. 168,911

14 Claims. (Cl. 21—2)



2. A method for the reduction of the growth of iron bacteria and the formation of scum in an iron-water-oxygen system in the annulus of a water sealed gas holder containing gas and having painted surfaces exposed to said system, comprising maintaining said water with a pH in the neighborhood of 7.4 to 7.9, and with a concentration of chromate ion sufficient to be materially toxic to iron bacteria.

2,141,050

ELECTRICAL APPARATUS

Harry F. Smith, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application May 26, 1934, Serial No. 727,775

3 Claims. (Cl. 5—66)



1. In a rest device, a stationary frame having fulcrum means including fulcrum supports, movable fulcrums on said supports, a substantially rigid spring supporting section on said fulcrums, a second spring supporting section mounted on the fulcrum means, separate spring sections on said supporting sections, a power-driven shaft, and connections between said shaft and both of said supporting sections proportioned and arranged to move said supporting sections about said fulcrums and fulcrum means to maintain the tops of said spring sections together independently of any direct connection between said spring sections.

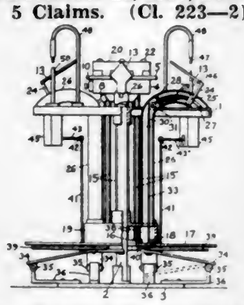
2,141,051

PRESSING MACHINE FOR COLLARS

Stephen Stadub, Brooklyn, N. Y.

Application December 14, 1937, Serial No. 179,649

5 Claims. (Cl. 223—2)



1. A machine for pressing collars comprising a table, a block on the table, means to heat the block, a plate adapted to mount a collar, a tubular guide supported on the table, the upper portion of the guide being curved and extending outwardly from the block, the lower portion extending downward, means to support the plate by the guide, the curvature of the guide being such as to cause the plate to be rigidly inclined upward in the outer position in the guide and to be placed on the block in the inner position, a flexible member extending in the guide from the plate support, a pedal at the lower end of the flexible member, the plate support being adapted to be moved by the pedal through the flexible member, means to guide the flexible member in the tubular guide, and means to press the collar against the block when the collar is placed on the block.

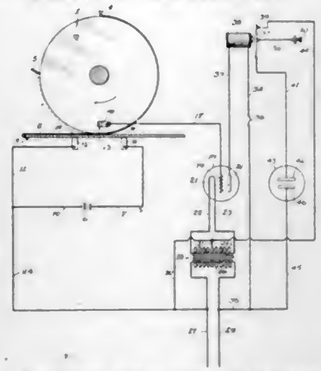
2,141,052

ADHESIVE APPLICATOR

Constantine S. Stephano, Elkins Park, Pa.

Application May 11, 1937, Serial No. 141,988

3 Claims. (Cl. 177—311)



1. In an adhesive applicator for applying adhesive to a moving strip of paper, an adhesive applying member disposed in the path of movement of the paper, a pair of contacts connected to the two poles of a source of electric current and positioned in the path of movement of the paper before and after the adhesive applying member, an electric circuit, and means electrically coupling said circuit to said source and to a point in the path of movement of the paper intermediate the two contacts so that the circuit is controlled by variations in resistance of the adhesive coated paper relative to the uncoated paper.

2,141,053

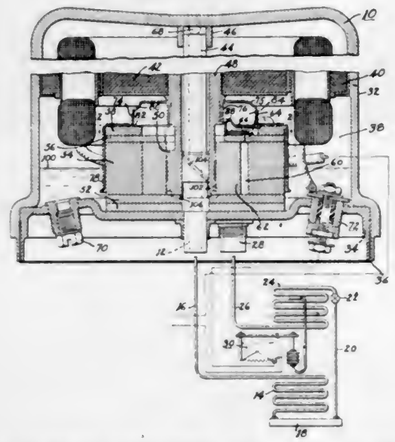
MOTOR-COMPRESSOR UNIT FOR REFRIGERATING APPARATUS

Frederic L. Tarleton, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application October 31, 1934, Serial No. 750,867

Renewed February 2, 1937

6 Claims. (Cl. 230—207)



1. In a motor-compressor unit the combination of a hermetically sealed housing, a motor in the upper portion of the housing, a rotary compressor in the lower portion of the housing, a central vertical drive shaft connecting the motor and compressor, an outlet for compressed fluid in the top of the compressor, a flapper valve controlling said outlet, means secured to the top of the compressor and surrounding said shaft defining a chamber enclosing said outlet and sufficiently large to reduce the velocity of fluid flow through said chamber enough to permit the lubricant entrained in the fluid to precipitate in the chamber, an outlet for compressed fluid at the top of said chamber which opens into said housing and is spaced from the compressor outlet and substantially larger than the compressor outlet and the area between the shaft and said means, a passage for conveying precipitated lubricant from said chamber to the compressor, and means in said chamber for shielding the flapper valve from the precipitated lubricant.

2,141,054

COPPER ALLOY

Persak Tookousian, Detroit, Mich., assignor of fifteen per cent to Harry E. Kouzian, Detroit, Mich.

No Drawing. Application April 1, 1936, Serial No. 72,097

1 Claim. (Cl. 75—153)

A copper alloy consisting substantially of the following elements in approximately the proportions by weight specified:

	Parts
Copper	100
Zinc	5
Arsenic	2¼
Phosphorus	1

2,141,055

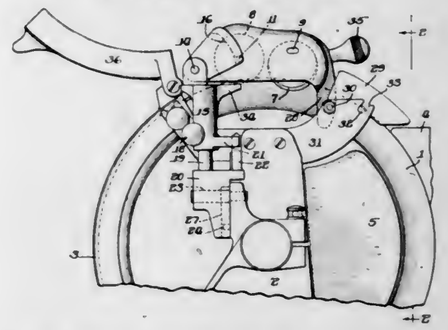
KNIFE SHARPENING DEVICE

Wilhelmus Adrianus van Berkel, Clarens, Montreux, Switzerland, assignor to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana

Application December 6, 1935, Serial No. 53,206

In Great Britain December 11, 1934

15 Claims. (Cl. 51—248)



1. In a slicing machine having a circular rotatable knife, a frame member, a sharpener supporting arm pivotally mounted on the frame member and movable in a plane angularly disposed to the plane of the knife, a casing pivotally mounted on the sharpener supporting arm and movable in a plane angularly disposed to the plane of movement of the sharpener supporting arm, an abrasive sharpening wheel rotatably mounted in said casing, a longitudinally shiftable burr-removing wheel rotatably mounted in said casing, cam means on the sharpener supporting arm, means associated with the burr-removing wheel, said last named means being actuable by the cam means whereby to induce longitudinal shifting of the burr-removing wheel, and means to cause said cam and shifting means to co-act to shift the burr-removing wheel as the sharpener is moved into knife-engaging position.

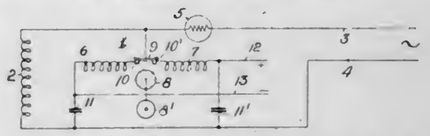
2,141,056

POSITIONAL CONTROL SYSTEM

Frederic M. Watkins, Forest Hills, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application March 19, 1936, Serial No. 69,626

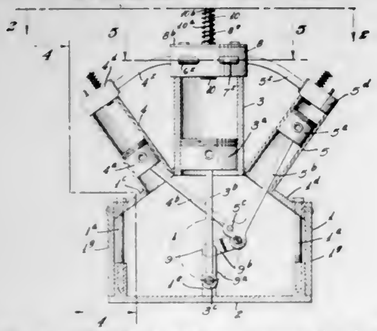
15 Claims. (Cl. 172—239)



1. In an electrical control system, an A. C. motor having windings arranged to be supplied from an A. C. source, control means for said motor for controlling the operation thereof, said control means serving to operatively connect a portion of said windings to a D. C. source to effect

the stopping of said motor while maintaining the connection of said portion of said windings to said A. C. source.

2,141,057
GAS COMPRESSOR
Aubrey C. Whiles, Mount Helix, Calavo Gardens, Calif., assignor of forty-nine per cent to Virgil Scott, Mount Helix, Calavo Gardens, Calif.
Application September 13, 1937, Serial No. 163,633
10 Claims. (Cl. 230—181)



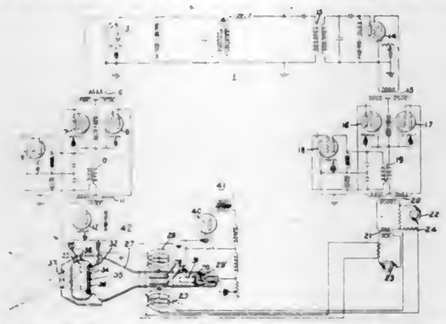
1. In a multistage gas compressor, a low pressure cylinder, a piston reciprocally mounted therein, a plurality of high pressure cylinders, pistons reciprocally mounted in each of said high pressure cylinders, a crankshaft operably connected to all of said pistons, a gas receiver intermediate the low pressure cylinder and the high pressure cylinders and operably communicating with said low pressure cylinder, and partitions in said gas receiver dividing said receiver into a plurality of compartments depending upon the number of high pressure cylinders, one each of said compartments operably communicating with one each of said high pressure cylinders.

2,141,058
METHOD OF PRODUCING SUBSTITUTED ALKALI METAL AMIDES
Karl Ziegler, Heidelberg, Germany, assignor to Schering A. G., Berlin, Germany, a corporation of Germany
No Drawing. Application June 4, 1934, Serial No. 728,856. In Germany June 7, 1933
15 Claims. (Cl. 260—583)

1. A method of producing organic substituted alkali metal amides which comprises subjecting a solution of a compound belonging to the group of amines consisting of primary and secondary aliphatic, alicyclic and aromatic amines in the presence of an organic compound capable of forming an alkali metal-organic compound wherein the metal is directly attached to carbon to the action of an alkali metal.

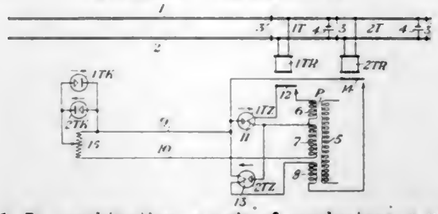
2,141,059
TELEVISION SYSTEM
Vladimir K. Zworykin, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 29, 1923, Serial No. 683,337
40 Claims. (Cl. 178—68)

1. In a television system, the combination with a transmitting and a receiving station, of an analyzing device comprising a cathode ray scanning device including a plurality of elemental storage-devices at said transmitting station, a cathode-ray scanning device at said receiving station, an object, and means including said cathode



ray devices for reproducing an image of said object at said receiving station.

2,141,060
REMOTE INDICATION APPARATUS
Arthur E. Dodd, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application November 20, 1937, Serial No. 175,672
3 Claims. (Cl. 246—124)



1. In combination, a pair of conductors, a pair of lamps each having one of its terminals connected to one of said conductors and having its other terminal connected to the other of said conductors whereby said lamps are illuminated by current supplied over said conductors, each of said lamps being of a type which is illuminated only when supplied with current of one relative polarity, said lamps being connected to said conductors in such a manner that one of said lamps is illuminated when the conductors are supplied with current of one relative polarity and so that the other of the lamps is illuminated when the conductors are supplied with current of the other relative polarity, means for supplying current of one relative polarity to said conductors, and means for supplying current of the other relative polarity to said conductors.

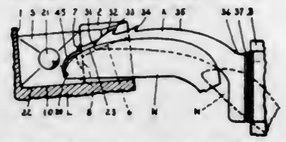
2,141,061
COMBINED POCKETKNIFE AND PENCIL OR PEN
Richard J. Dodson, Chicago, Ill.
Application December 6, 1937, Serial No. 178,325
6 Claims. (Cl. 30—162)



1. In a knife of the kind described, a tubular casing, an inner tubular member arranged and adapted to be forced into said tubular casing from one end, said inner member being substantially rectangular in cross-section and with

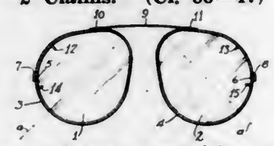
slightly rounded corners, two opposite sides at one end of said inner member cut away at one end and the alternate sides formed inwardly to provide a relatively thin slot at the end of said member, one of the sides of said inner member the free end portion of which is formed inwardly provided with a central longitudinal slot, a knife blade within said inner member, said tubular casing provided with a similar longitudinal slot registering with the slot in said inner member, a projection secured rigidly on one side of the blade adjacent to its inner end, a blade moving member projecting out from and secured in said projection and having a shank portion adapted to pass through and move freely along said longitudinal slots, the slot in the inner member being enlarged at intervals and the outer end of said projection arranged and adapted to enter said enlargements and lock the blade against longitudinal movement in said inner member, a spring within said inner member arranged and adapted to yieldingly force the blade toward the slotted wall of said inner member, the arrangement being such that the outer end of said projection is adapted to be forced into said enlargements of said slot when brought into registry therewith, and the inner end portion of said blade substantially fitting within said thin slot at the outer end of said inner member when the blade is projected sufficiently.

2,141,062
DOUBLE ACTION THREAD CATCHER
Leon Droiet, Lowell, Mass.
Application January 25, 1938, Serial No. 186,861
6 Claims. (Cl. 139—256)



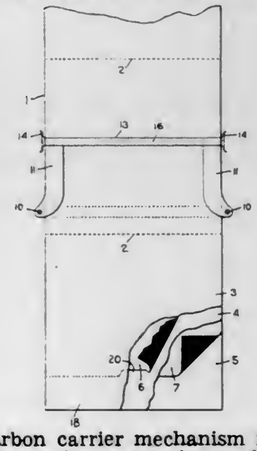
6. A thread catching arm attached at one end to the breast beam and at the other end having a nose with a tip which is proximate the top inside end of the shuttle box front wall, said nose sloping up and forward from the tip and having a tooth at the top which rakes forward, the arm being so made that its nose can yield towards the front when the shuttle strikes it but the nose will return to its normal position when the shuttle moves away.

2,141,063
FITOVER FRAME FOR GLASSES
Arthur E. Euler, Oakland, Calif.
Application July 23, 1937, Serial No. 155,261
2 Claims. (Cl. 88—47)



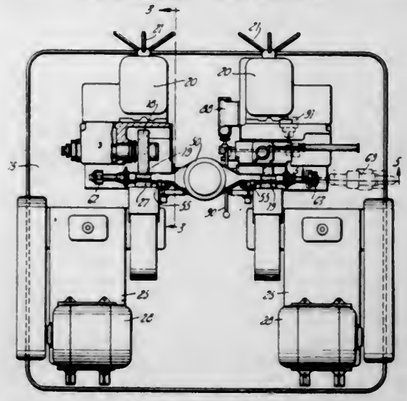
2. A fitover frame comprising pear-shaped lenses, flexible split rims enclosing the lenses, means carried by the split ends of each rim for tightening the rims around the lenses, hooks carried by the rims, a leaf spring connecting the rims together, said means when loosened permitting the pear-shaped lenses to be rotated in the rims into different angular positions for varying the distance between the lenses, whereupon the means may be tightened to tighten the rims about the lenses.

2,141,064
MANIFOLDING MECHANISM FOR TYPEWRITERS
James W. Fader, Dorchester, Mass.
Application April 5, 1937, Serial No. 134,930
8 Claims. (Cl. 282—29)



1. A carbon carrier mechanism for manifolding on a typewriter a superimposed series of like form sheets comprising a rigid guide adapted to extend transversely beneath said form sheets having means to engage the superimposed form sheets and means to hold the edges thereof in alinement, a carbon sheet carrier having means connected to the upper ends respectively of a plurality of carbon sheets and extending beyond the edges of said carbon sheets and united beyond said ends and holding said carbon sheets in parallelism and in separated relation to permit the form sheets to be slidably assembled in superimposed and interleafed relation to said carbon sheets, and flexible connecting strips secured to the ends of said carrier having means detachably to engage said guide.

2,141,065
GRINDING MACHINE
Frederick S. Haas and Winthrop Trible, Cincinnati, Ohio, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application June 1, 1937, Serial No. 145,729
15 Claims. (Cl. 51—103)



1. The combination with a machine of the centerless grinder type including a grinding wheel,

a regulating wheel and an interposed work rest, of means for controlling the operative positioning of work in the throat thus formed, including an elevating mechanism reciprocable transversely of the throat for receiving work in elevated position as respects the throat and moving same downward into position on the work rest, means adjacent the work rest for resiliently urging the work into engagement with the regulating wheel, and means on the elevating mechanism for controlling the movement of said work engaging means into and out of operative position.

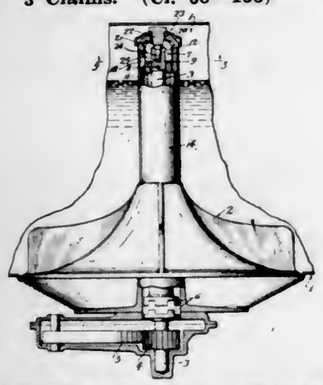
2,141,066

TORQUE BLOCK AND WEAR COMPENSATING DEVICE

John E. Herbst, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware

Application February 6, 1936, Serial No. 62,568

3 Claims. (Cl. 68—133)



1. In a washing machine, a drive shaft therefor, an agitator having a tubular stem for receiving the drive shaft, an expansible torque block mounted on the upper end of the shaft, a drive head carried by the upper end of the stem, complementary engaging surfaces on the block and drive head, and a locking member having a threaded shank adapted to be threaded into the end of the shaft and a tapered part adapted to expand the block into tight frictional engagement with the head and lock the parts together.

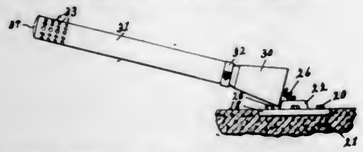
2,141,067

SAFETY MARKER FOR TRAFFIC LANES

Edwin B. Miller, Viola, Kans.

Application April 14, 1936, Serial No. 74,261

1 Claim. (Cl. 189—23)



In a signal device, said device comprising a base plate, a flexible tubular signal element, and a mounting element for said flexible tubular signal element, said base plate having a centrally positioned opening therein with an upwardly extending flange therearound beneath which is positioned a recess in the bottom of said plate; said mounting element being hollow, one end of said mounting element being positioned over and housing the flange on said base plate, and also housing a spring, one end of said spring being supported from the upper end of said mounting element, the other end of said spring being attached to a retaining element positioned in said annular recess so as to retain the said mounting element in an erect position under sprng tension on said base element, said flexible tubular element being rigidly attached to the upper end of said mounting therefor.

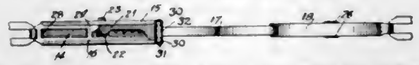
2,141,068

EXTENSION DEVICE

Sven O. Myrberg, Providence, R. I., assignor to Providence Stock Company, a corporation of Rhode Island

Application December 17, 1934, Serial No. 757,806

7 Claims. (Cl. 24—71)



1. In an extensible connector for bracelets, a plate having side walls, and a link of stamped metal slidably mounted in said plate and extendible from the free end thereof, said plate having an opening in one side wall, said link having a central longitudinal opening, a series of longitudinally disposed ratchet teeth on one side of said longitudinal opening, and a pawl member mounted in said plate and having a spring arm terminating in a transversely bent pawl selectively engageable with said teeth and in a manually engageable lateral extension movably seated in said side wall opening.

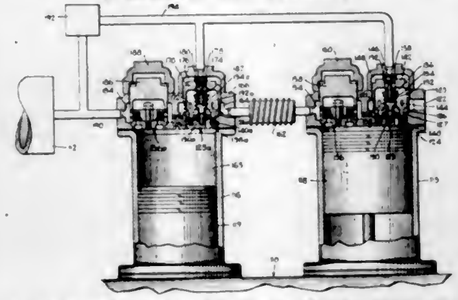
2,141,069

COMPRESSOR UNLOADER

George K. Newell, Pitcairn, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application November 13, 1936, Serial No. 110,678

4 Claims. (Cl. 230—26)



1. In a valve assembly for a fluid compressor, a seat member having ports therethrough and having a central bore therein, an annular inlet valve engageable with a seat on said seat member to control the flow of fluid through said ports, and an element positioned in said central bore and adapted to engage a seat surrounding said bore, said element having a portion overlying the inner margin of said annular inlet valve and engageable therewith upon movement of said element away from its seated position to move said annular valve away from its seat on said seat member.

2,141,070

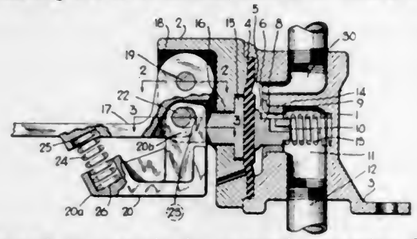
DIAPHRAGM FOOT VALVE

George K. Newell, Pitcairn, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application September 14, 1937, Serial No. 163,801

14 Claims. (Cl. 251—134)

1. In a valve device comprising a casing having a fluid conducting communication, in combination, valve means operative to close said communication, lever means rockably carried by the casing and being slidable horizontally relative to the casing for actuating said valve means, and a lever rockably carried by the casing for actuating the lever means, said lever means being



adapted to operate to prevent excessive force from being transmitted from said lever to said valve means when the valve means is in communication closing position.

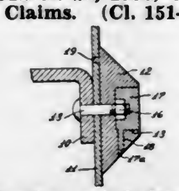
2,141,071

NUT LOCK

Henry Peirce Sorensen, Detroit, Mich.

Application March 24, 1936, Serial No. 70,558

3 Claims. (Cl. 151—33)



1. In combination, a bolt having a nut, a nut lock for said nut comprising a hard metal envelope having an anchorage means for cooperation with an adjacent surface, a soft metal covering for said nut residing within the contour of said envelope, and drainage means for the release of said soft metal from said envelope under heating, said drainage means constituting means for restraining said soft metal against movement relative to said envelope.

2,141,072

SCREW DRIVER

Rudolph J. Velepec, Rochester, N. Y., assignor to Upson Brothers, Inc., Rochester, N. Y., a corporation of New York

Application December 23, 1937, Serial No. 181,434

1 Claim. (Cl. 145—50)



A screw driver adapted to function with various sizes of slotted and axially apertured screw heads, including a shank having at one end a generally flat head of approximately truncated spear shape and presenting inclined forwardly tapering screw slot engaging edges and a relatively short transverse terminal edge of a length substantially less than the diameter of the shank, and forming with said tapering edges a wedge for interfitting various sizes of axially apertured screws, said head having outstanding ribs centrally of and longitudinally along its flat faces, projecting along the major portion of the length of the head and said ribs presenting shoulders paralleling, and terminating short of and spaced from, the said inclined and transverse edges of the head a distance substantially equal to the depth of a screw slot.

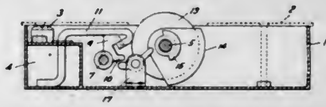
2,141,073

INKING DEVICE

Guy N. Wetzel, Columbus, Ohio, assignor of one-half to Herman A. Bloom, Columbus, Ohio

Application April 14, 1937, Serial No. 136,870

12 Claims. (Cl. 91—48)



1. An inking device comprising a revoluble roll, means for applying ink to said roll, a revoluble shield for said roll and means operated by said shield for automatically spacing said roll and said applying means as said shield is moved to operative position, to discontinue application of ink.

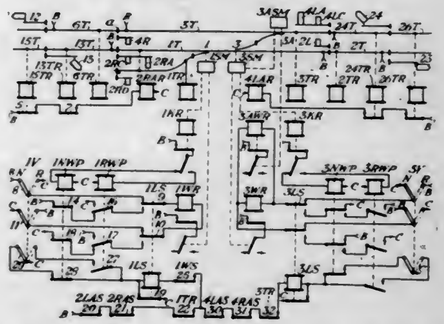
2,141,074

RAILWAY TRAFFIC CONTROLLING APPARATUS

Henry S. Young, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

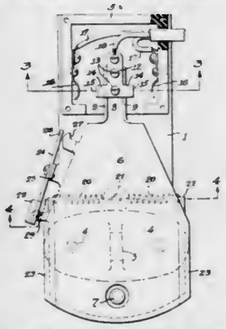
Application October 30, 1937, Serial No. 171,923

25 Claims. (Cl. 246—134)



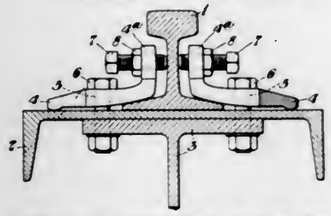
1. In combination with a railway track layout, two opposing signals one at each end of a traffic route through said layout, a signal control means and a route relay for each signal, an energizing circuit for each route relay closed when the associated signal control means is operated but only if the opposing signal control means is in its non-operated condition, a circuit for clearing each signal closed when the associated route relay is energized but only if the opposing signal is at stop, and means controlled by each signal when clear for maintaining such associated route relay energized independently of the condition of said opposing signal control means.

2,141,075
SIGNAL SWITCH
Earl C. Akers, Detroit, Mich.
Application September 10, 1936, Serial No. 100,072
3 Claims. (Cl. 200—52)



1. A device for the purpose described comprising a base plate, a tread plate attached to said base plate for movement laterally relative thereto, contacts carried by said laterally movable tread plate, an enclosing switch box carried by said base plate, said tread plate being formed with an extension projecting into said switch box and carrying said contacts, contact members within said switch box in opposed relation to said contacts carried by said extension of said tread plate, and yieldable means for normally holding said tread plate in midposition of its swinging movement with its contacts out of engagement with said contacts in said switch box.

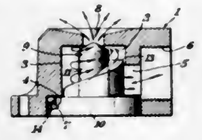
2,141,076
RAIL CLAMP
David T. Alexander, Windsor, Ontario, Canada
Application July 21, 1937, Serial No. 154,915
2 Claims. (Cl. 238—335)



1. A rail clamp comprising a part for bridging between the top of the base of a rail and the support on which the rail rests, said part having an upwardly extending portion in which a transverse screw hole is formed, a screw provided with a lock-nut being threaded through said hole and said part being provided with releasable holddown means, said screw being adapted to engage the web of the rail fastened by said clamp and to be used to effect both rail aligning movement and to hold said rail against lateral shifting when the same is aligned and said clamp is held down by said means, the latter being capable of holding said clamp against movement transverse of the rail when loosened to permit rail aligning movement.

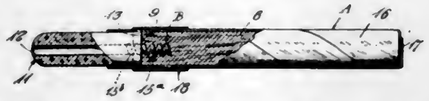
2,141,077
LAWN SPRINKLER
Stephen D. Baker, Eau Gallie, Fla.
Application June 16, 1937, Serial No. 148,425
1 Claim. (Cl. 299—114)

A lawn sprinkler comprising a casing the top of which is substantially flat and is pierced with an outlet orifice, the interior of the casing constituting a circular chamber, a screw-threaded opening in a side wall of the casing for connection to a source of supply, a tangential port in said wall connecting said opening with the circular chamber adjacent the bottom thereof, a cylindrical taper-topped post provided with an



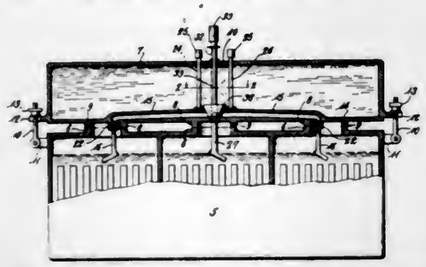
inclined plane which partly encircles it positioned in said chamber with the lower end of said plane terminating adjacent said port, the tapered top of the said post extending slightly into the said outlet orifice, whereby entering liquid is caused to move in an ascending spiral flow to said outlet orifice substantially as and for the purpose set forth.

2,141,078
CIGAR
Edward W. Berriman, Tampa, Fla.
Application April 15, 1937, Serial No. 137,121
8 Claims. (Cl. 131—52)



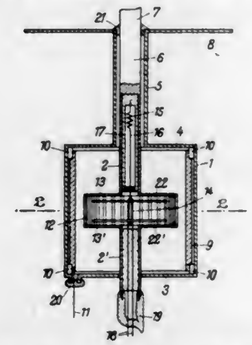
8. A composite cigar comprising a combustible part, a mouthpiece bored through its length, and a retractile coupling member joining the combustible part and mouthpiece to hold them together under axial tension and forming a passage for smoke through the bore of the mouthpiece.

2,141,079
STORAGE BATTERY FILLING DEVICE
Charles M. Bolich, Allentown, Pa.
Application April 1, 1937, Serial No. 134,413
3 Claims. (Cl. 136—162)



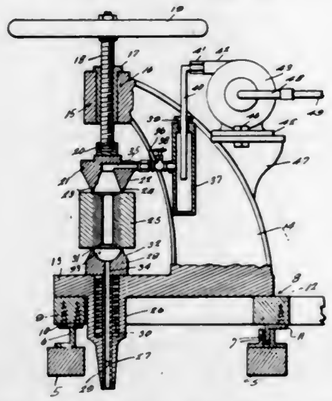
3. In a device of the type described, the combination with a storage battery having a plurality of cells of a water receptacle mounted on the storage battery, passageways leading from said receptacle to the interior of each of said battery cells, single means for controlling communication between the receptacle and all of said passageways and for closing said passageways from each other, and conduits leading from each of said passageways upward through said receptacle to the top thereof to permit withdrawal of electrolytes by suction.

2,141,080
ULTRA-SHORT-WAVE TUBE
Walter Dällenbach, Berlin-Charlottenburg, Germany, assignor to Julius Pintsch Kommanditgesellschaft, Berlin, Germany
Application August 18, 1936, Serial No. 96,689
In Germany August 19, 1935
4 Claims. (Cl. 250—27.5)



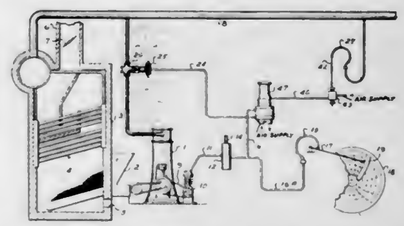
1. An electron tube for ultra-high-frequency electromagnetic waves comprising a resonator formed as a hollow body substantially closed on all sides against radiation loss and defined in part by an internal conductor and a coaxial external conductor, a grid connected to said internal conductor, and a cathode disposed in the interior of the grid, the distance between the grid and external conductor being less than the distance between the internal and external conductors.

2,141,081
QUENCHING MACHINE
John Joseph Davenport, College Point, Long Island, N. Y., assignor to James I. Quaid, College Point, Long Island, N. Y.
Application September 14, 1937, Serial No. 163,874
1 Claim. (Cl. 266—6)



A device for treating dies having passages therein comprising a base plate having an opening therein and a depending part of tubular construction forming a continuation of the opening and said depending part terminating in a tubular guide, a lower form having a chamber therein opening out through the top of the form, a tubular stem connecting with said form and in communication with the chamber thereof and passing through the opening and the depending member and having its lower part slidably arranged in the guide, a spring in the opening and the depending part and having its upper end bearing against the under part of the form and its lower end against the bottom of the depending member, a bracket rising from the base plate and having a vertically arranged screw-threaded opening in its upper end in vertical alignment with these forms, a screw shaft passing through the opening, an upper form swivelled to the lower end of the shaft and having a chamber therein opening out through the lower end of the form, the upper form being in vertical alignment with the lower form and the two forms receiving between them a die to be treated, a vertically arranged tank, a horizontally arranged pipe connecting the tank with the upper form, said pipe being in communication with the chamber of the upper form, a pump carried by the bracket and a vertically arranged pipe connected with the discharge of the pump passing into the tank through the top thereof, said top of the tank having a sliding fit on said pipe, the lower form having a flat underface for engaging the upper face of the base plate when the lower form is in lowered position.

2,141,082
MEASURING AND CONTROLLING SYSTEMS
Paul S. Dickey, Cleveland, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application June 19, 1935, Serial No. 27,426
5 Claims. (Cl. 264—14)

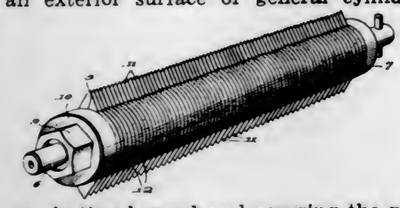


1. In combination, an engine having a rotatable output shaft, means for supplying vapor to said engine, a positive displacement fluid compressor driven by said shaft, a chamber into which said compressor discharges having a restricted opening into a region below the critical pressure for the pressure existing within the chamber, means for producing initial changes in the rate of vapor supply to said engine proportional to changes in pressure within said chamber, and means for producing continuing changes in the rate of vapor supply in accordance with the deviation of the pressure in said chamber from a predetermined value of pressure in said chamber.

2,141,083
TOBACCO STEMMING MACHINE
Bertram M. Hackler, Salem, Va., assignor to Comas Cigarette Machine Company, Inc., Salem, Va., a corporation of Virginia
Application August 6, 1936, Serial No. 94,699
3 Claims. (Cl. 131—57)

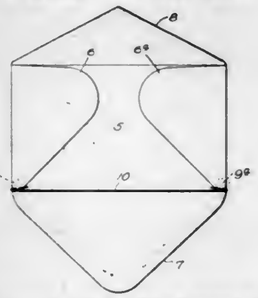
1. A cleaning roll for a tobacco stemming machine comprising a shaft having a series of blades mounted thereon, and means for separating the blades from each other, said blades having approximately triangular projecting ends of appreciably less width than the diameter of the

separating means, the separating means presenting an exterior surface of general cylindrical



form projecting beyond and covering the major portion of the interposed blades.

2,141,084
ENVELOPE CONSTRUCTION
Robert H. Hemphill, Miami Beach, Fla.
Application July 1, 1936, Serial No. 88,473
7 Claims. (Cl. 229—86)



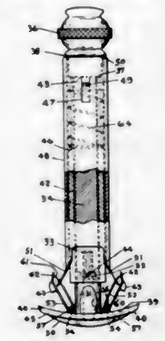
5. An envelope having a body portion with folding flaps at opposite sides thereof and a bottom folding flap, thread-retaining tabs at opposite ends of the line of fold of the bottom flap folded over and secured to the inner surfaces of said side flaps, and an edge-slitting thread extended along said line of fold with its opposite ends caught by said tabs and turned inwardly due to the folding of the side flaps, the thread length between its caught ends being free of adhesive material.

2,141,085
PETROLEUM OIL REFINING
Eric B. Hjerpe, Pittsburgh, and William A. Gruse, Wilkinsburg, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application November 2, 1934, Serial No. 751,259
1 Claim. (Cl. 196—13)

The method of decreasing the viscosity-gravity constant of a petroleum lubricating oil, which comprises extracting the oil at a temperature between 0° and 100° F. with a composite solvent comprising a mixture of ethylene dichloride and liquid sulfur dioxide, in which the ratio of ethylene dichloride to sulfur dioxide is between 10:90 and 75:25, the miscibility temperature characteristic of the composite solvent being higher than that of ethylene dichloride alone, and finally separating the solvent, together with constituents extracted from the oil, from the extracted oil.

2,141,086
SAFETY RAZOR
John H. Hotson, Woodside, N. Y.
Application October 7, 1935, Serial No. 43,821
18 Claims. (Cl. 30—41)

2. A safety razor holder comprising a guard, a handle, and a pusher pivoted adjacent the junction of said guard and handle, and adapted to

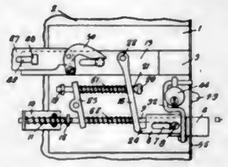


move accumulated shaving application from the guard.

2,141,087
LARVICIDE AND PROCESS FOR PREPARING SAME
Walter D. Martin, Albany, Ga.
No Drawing. Application May 21, 1937, Serial No. 144,091
6 Claims. (Cl. 167—43)

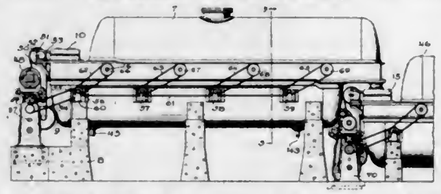
3. A larvicidal emulsion, characterized by its quick breaking tendency upon application to the surface of an object, comprising water gas tar, gas oil, dispersed in an aqueous medium wherein a soap is the emulsifying agent.

2,141,088
DOOR LOCK
Robert Buchanan McFarlane, Toronto, Ontario, Canada
Application October 9, 1937, Serial No. 168,134
9 Claims. (Cl. 292—177)



1. In a door lock, a bolt normally in the retracted position when the door is open, a plunger protruding from the lock when the door is open and positioned to engage and be pushed inwardly by the door jamb as the door is being closed, a lever swingable with and extending between the plunger and the bolt and having one end movable with the plunger and the other end movable with the bolt, a spring bearing against the lever intermediately of its length and compressible against the lever under the lever's movement in conjunction with the inward movement of the plunger, said compressed spring swinging the lever to shoot the bolt when the bolt registers with its bolt receiving orifice in the door jamb, a second spring bearing against the end of the lever which is movable with the plunger, said spring being under compression when the lever has been swung to shoot the bolt, a fulcrum against which the lever bears when the bolt is in the shot position, a releasable element retaining the end of the lever against which the second compressed spring bears, and means operable from the outside of the door for releasing the element from out of retaining engagement with the lever to permit the lever to swing about the fulcrum under the influence of the second spring and retract the bolt.

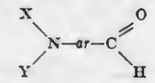
2,141,089
APPARATUS FOR STERILIZING FOOD PRODUCTS
William E. Mitton, Shawano, Wis.
Application October 21, 1935, Serial No. 46,013
9 Claims. (Cl. 126—272)



1. Apparatus for processing milk comprising a pressure sterilizing chamber, means for introducing steam into the chamber under pressure, means for feeding cans into the chamber without loss of pressure, a feed chute, means for dicharging cans from the chamber without loss of pressure, a discharge chute, a series of means in the chamber between said chutes for rotating the cans on their longitudinal axes, and means for advancing the cans step by step over the rotating means in succession.

2,141,090
N-SUBSTITUTED PARA-AMINOBENZALDEHYDES
Werner Müller, Cologne, and Carl Berres, Leverkusen-Wiesdorf, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application April 2, 1936, Serial No. 72,448. In Germany April 12, 1935
7 Claims. (Cl. 260—577)

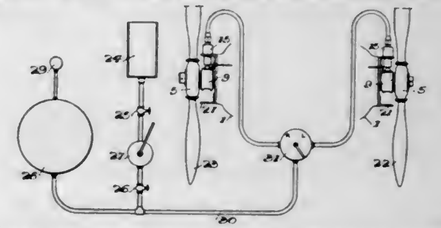
3. Compounds selected from the group consisting of aldehydes of the following general formula:



in which X stands for a member selected from the group consisting of halogenalkyl, hydroxyalkyl, alkoxyalkyl and sulfoalkyl, Y stands for a member selected from the group consisting of hydrogen, alkyl, halogenalkyl, hydroxyalkyl, alkoxyalkyl, sulfoalkyl, aryl and the benzyl radicle, and *ar* stands for an aromatic radical bearing an aldehyde group in para-position to the nitrogen atom, and such derivatives thereof in which X and Y stand for methylene chains which are joined together by an oxygen atom.

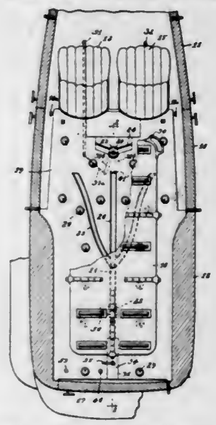
2,141,091
MEANS FOR STOPPING ROTATION OF PROPELLERS
Raymond B. Quick, Garden City, N. Y., assignor, by direct and mesne assignments, of thirty-five and two-tenths per cent to J. Heron Crosman, III, Haverford, Pa., and two per cent to Miles H. Vernon, New York, N. Y., and two and eight-tenths per cent to John C. Kunkel, Harrisburg, Pa.
Application September 10, 1934, Serial No. 743,463
3 Claims. (Cl. 244—65)

1. In an airplane, the combination with a plurality of separate power units each comprising a propeller rotating about a substantially horizontal axis and having an engine connected therewith in driving relationship, said propellers being so mounted that their idle rotation interferes with the flow of air over the wing, of means for stopping the rotation of any one of said power units in flight comprising a separate braking device for each propeller, a common source



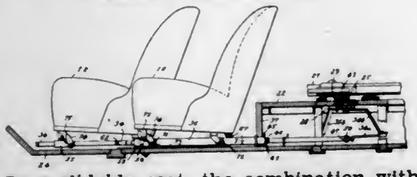
of braking power, and common selective power control means whereby any one of said braking devices can be operated from said source of power to prevent windmilling of the associated propeller, said braking devices being applied to the propeller shafts adjacent the propellers opposed to the moving air in front of the engines to provide air cooling.

2,141,092
SIDE AND REAR DELIVERY HEARSE
Edward Richter and Earl L. Schofield, Freeport, Ill., assignors to Henney Motor Company, Freeport, Ill., a corporation of Delaware
Application January 14, 1935, Serial No. 1,749
31 Claims. (Cl. 296—16)



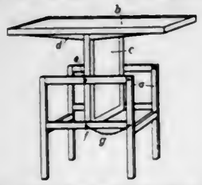
1. In a hearse of the side delivery type, guide means having a guide portion extending lengthwise of the hearse, and laterally extending guide portions, the inner ends of which are located between the ends of the longitudinal portion, a casket table having three guide members projecting downwardly therefrom, namely, a rear member for operation lengthwise in the longitudinal portion, a middle member for operation normally in either of the lateral portions, and a front member for locking and steering the table, a switch member normally engaging the front member to lock the table against forward and lateral movement but permitting rearward movement, and arranged when moved to permit movement of the table forwardly and laterally toward one side or the other of the hearse, and means releasably engaging the rear guide member to prevent rearward movement of the table.

2,141,093
SLIDABLE SEAT
Edward Richter and Earl L. Schofield, Freeport, Ill., assignors to Henney Motor Company, Freeport, Ill., a corporation of Delaware
Original application January 14, 1935, Serial No. 1,750. Divided and this application May 18, 1935, Serial No. 22,128
7 Claims. (Cl. 155—14)



6. In a slidable seat, the combination with a support and a seat resting directly thereon and slidable relative thereto, of a single, rigidly supported tubular guide disposed in a median plane relative to said seat extending parallel to said support and in the direction of movement of the seat and therebeneath, a single rod reciprocable in said guide, a hinge member on the rod and another hinge member on the bottom of the seat at the front thereof for hingedly connecting the seat to the rod, said hinge members comprising relatively slidable abutting connecting portions for hingedly connecting the front end of said seat to the rod at a desired elevation of the seat relative to the support, and rollers on the bottom of the seat at the back thereof arranged to engage said support.

2,141,094
CONVERTIBLE CHAIR
Paul Rohrmann, Breslau, Germany
Application August 30, 1937, Serial No. 161,643
In Germany August 31, 1936
7 Claims. (Cl. 155—43)



1. A chair convertible to form a table, comprising a frame, said frame including legs and spaced and parallel side frame members, a seat pivotally connected at central side portions thereof to central portions of said side members, a seat back having its transverse central portion rigidly secured to an end of said seat, said seat and back comprising a rigid unit and being swingable as a unit through substantially 90 degrees to position said back as a table top, and means for securing said unit in both the chair and table forming positions.

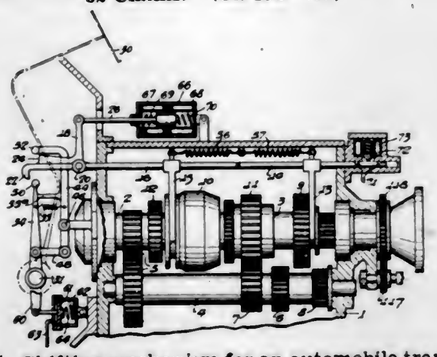
2,141,095
SHADE AND ROD FIXTURE
William C. Tennant, Moundsville, W. Va.
Application May 26, 1937, Serial No. 144,953
1 Claim. (Cl. 248—253)

A shade, curtain and drapery rod fixture, comprising an elongated hinge plate to be fixed to a window frame or the like, a flat body strip widened at one end in diverging formation to provide an enlarged end portion hingedly secured to the hinge plate, said body strip having channel flanges formed on the longitudinal edges thereof from the point of juncture of the enlarged end portion therewith, a second strip having channel flanges formed along the longitudinal edges thereof and telescopically mounted in the flanges of the body strip for adjustment of the second strip longitudinally of the body strip for movement therewith toward and away from the frame, said body strip having a slot extending along the longitudinal center thereof, means carried by the second strip and mounted in the slot for holding the second strip in adjusted position with respect to the body strip, said strips having shade and



rod brackets thereon, an ear formed on and extending centrally from the outer end of the second strip, a right angle bent screw hook to be threaded in the frame in the path of the ear for receiving the latter for detachably securing the strips in normal position for use parallel to the frame, handled means having a hooked free end detachably associated with the second strip for moving the strips toward and away from the frame and said handled means adapted for engagement with the screw hook for moving the latter into and out of ear receiving positions.

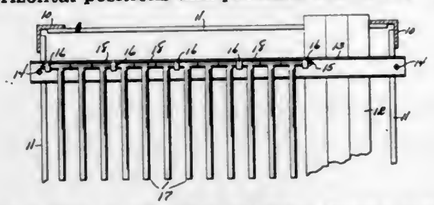
2,141,096
GEAR SHIFTING MECHANISM
Edward J. Thurber, New Orleans, La., assignor of one-half to Ralph K. Rothrock, New Orleans, La.
Application November 16, 1934, Serial No. 753,391
32 Claims. (Cl. 192—.01)



1. Shifting mechanism for an automobile transmission mechanism embodying a shiftable gear changing element, comprising a pair of actuating members each pivotally supported adjacent to one end, said members being connected to swing about their respective pivots in reverse directions, and a single controlling member engageable with the other end of one or the other of said members to be actuated thereby and to operatively connect said members to said shiftable element to move it in one or another direction.

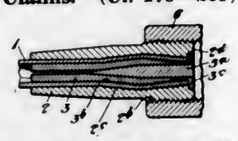
2,141,097
DERRICK PIPE RACK
Thomas J. Umphres, George West, Tex.
Application April 9, 1937, Serial No. 136,019
2 Claims. (Cl. 211—60)

1. A pipe rack designed for mounting on an oil derrick comprising a channel iron beam adapted for attachment to the derrick to lie in a horizontal plane with the flanges directed upwardly, bearings mounted within the channel on one flange of the beam, a shaft carried by the bearings, and fingers pivotally supported at one end upon the shaft to swing from vertical to horizontal positions and provided with shaft car-



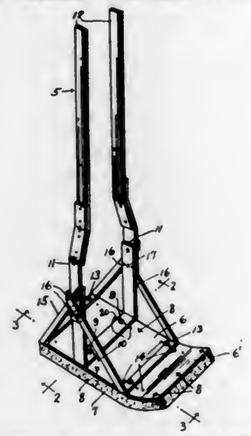
ried means to maintain adjacent fingers spaced a distance slightly in excess of the diameter of the pipe sections to be received, the other flange of said beam being formed with notches opening on its free edge to receive the fingers when horizontally disposed.

2,141,098
HOLLOW STRAND TERMINAL
Evald O. Wahlstrom, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application April 24, 1936, Serial No. 76,256
4 Claims. (Cl. 173—269)



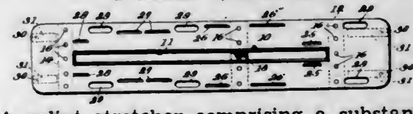
1. The combination of a tubular strand, a sleeve having an inside that tapers towards its ends and in which the end portion of said strand is positioned, and a plug forged inside said end portion of said strand and forcing the outside of the same into substantially continuous contact with said inside of said sleeve.

2,141,099
FRACTURE FRAME
Oswin K. Walters, Allentown, Pa.
Application October 5, 1936, Serial No. 104,121
2 Claims. (Cl. 128—85)



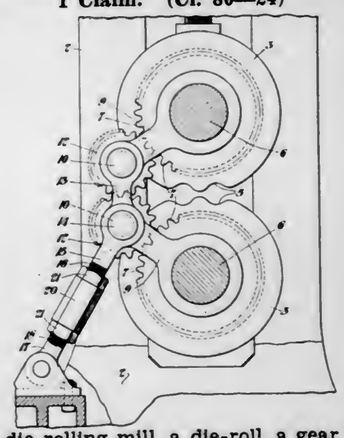
1. In a fracture frame of the character set forth comprising a base plate having one end curved upwardly, a cushion tread secured over the lower surface of the base plate, a standard adjustably secured to the opposite side of the base plate, oppositely directed braces secured to the base plate on opposite sides of the standard and having their free ends apertured and bearing against the outer sides of the standard, splints secured to the free ends of the standard, and removable fastening elements securing the standard and braces to one another and to the base plate.

2,141,100
SPLINT STRETCHER BOARD
Charles A. Warden, Kimball, W. Va., assignor to Portable Lamp & Equipment Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 1, 1936, Serial No. 82,997
1 Claim. (Cl. 5—82)



A splint stretcher comprising a substantially rigid platform having a longitudinal slot for receiving the spine of a patient positioned with his back on said platform, said platform also having a plurality of shorter longitudinal slots spaced along its longitudinal edges and through which in combination with the first mentioned slot bandages may be passed for securing the patient upon the platform, transverse battens on the under surface of the platform located one adjacent each end of the first mentioned slot, fastenings securing the battens to the platform, insulation covering the fastenings, and dependents of insulation carried by the battens.

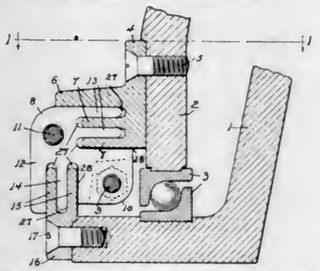
2,141,101
DIE ROLLING
Samuel B. Webster, Blawnox, Pa.
Application April 23, 1936, Serial No. 76,019
1 Claim. (Cl. 80—24)



In a die-rolling mill, a die-roll, a gear secured to said die-roll, a yoke carried by and extended from said die-roll, a gear carried by said yoke, said gear being held in mesh with the gear secured to said die-roll, a second die-roll, a gear secured to said second die-roll, a yoke carried by and extended from said second die-roll, a gear carried by said last-named yoke, said last-named gear being held in mesh with the gear secured to said second die-roll, means connecting said yokes, said means being constructed and arranged to hold in mesh the gears carried by said yokes, and

means for adjusting the position of the means connecting said yokes whereby the relative peripheral position of opposed parts of said die-rolls may be adjusted.

2,141,102
LABYRINTH PROTECTIVE DEVICE
Lloyd A. Brooke, Washington, D. C.
Application October 14, 1937, Serial No. 169,077
6 Claims. (Cl. 286—7)

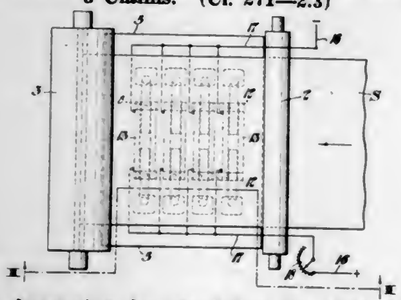


1. In combination with a stationary part and a rotating part cooperating therewith, of a labyrinth protective device comprising a ring fixed to one of said parts and a ring fixed to the other of said parts, and a floating and freely rotatable ring between the aforesaid rings, said rings having interfitting sealing fins and grooves, the grooves and fins between said floating ring and one of said fixed rings being radially disposed and the grooves and fins between said floating ring and the other of said fixed rings being axially disposed.

2,141,103
MANUFACTURE AND DEVELOPMENT OF LIGHT-SENSITIVE COATED PAPER
Harold J. Brunk and Morris Dickason, Chicago, Ill., assignors to The C. F. Pease Company, a corporation of Delaware
No Drawing. Application July 27, 1936, Serial No. 92,930
2 Claims. (Cl. 95—6)

1. The process of developing light-exposed, positive diazotype prints having a diazo compound and an azo component applied to one side thereof, which consists in applying an alkali solution to the other side thereof exclusively to effect the coupling.

2,141,104
FEED REGULATING DEVICE
Dario Buccicone, Gary, Ind.
Application March 15, 1937, Serial No. 131,103
5 Claims. (Cl. 271—2.3)



1. Apparatus for regulating the feed of metallic strip comprising means for pushing the strip forwardly, means for receiving the pushed strip and pulling the same forwardly, and electromagnetic means intermediate said first-named means and said second-named means for yieldably deflecting the strip from its normal path of travel, said means for receiving the pushed strip and pulling the same forwardly being capable of overcoming said last-named means.

2,141,105
DIAPER
John A. Eller, Astoria, and Hilton L. Epp, Beechhurst, N. Y.
Application August 11, 1936, Serial No. 95,348
3 Claims. (Cl. 128—284)



1. A holder for absorbent pads to cover the crotch and regions adjacent thereto on the human body, comprising a relatively wide back portion adapted to enclose the region of the body below the waistline at the back and sides and to overlie partially the abdomen at opposite sides thereof, a relatively narrow elongated flap on the lower end of the relatively wide back portion adapted to engage through the crotch and overlie the central portion of the abdomen with the respective side edges of said flap portion and said back portion disposed substantially in abutting relation on lines extending upwardly from the groins and converging inwardly across the abdomen, the side edges of said flap and of the relatively wide back portion being formed to provide curved leg openings at the bottom of the holder, and interengageable fastener means on said abutting side edges extending from said leg openings upwardly to the waistline, a fastener operator member slidable longitudinally along said abutting edges for engaging and disengaging said interengageable fastener members of the respective edges to close the holder about the body and means for locking the fastener operator member in any position of adjustment along said abutting edges whereby to adjustably retain the holder around the thighs with a snug fit thereby preventing leakage of excretions.

2,141,106
TAPERED PILING
Gerald G. Greulich, Mount Lebanon, Pa.
Application December 29, 1937, Serial No. 182,355
1 Claim. (Cl. 61—53)

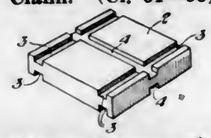
A tubular metallic pile shell comprising a plurality of complementary arcuate sections welded together to provide a hollow chamber whose interior diameter gradually decreases toward its bottom portion, a piercing point welded to the bottom portion of said hollow chamber, integral reenforcing ribs on said arcuate sections increasing in width as the diameter of the piling shell decreases, the outer extremities of said reenforcing ribs being parallel to the longitudinal axis of said piling shell and a protective driving ring welded to the upper portion of said piling shell and positioned within the bore of the hollow

chamber and including a laterally extending flange terminating in substantial alignment with



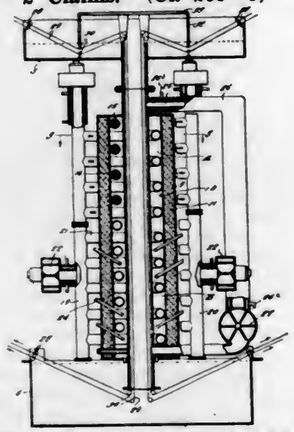
the outer edges of said reenforcing ribs whereby said piling shell will resist lateral forces during driving of said shell to position.

2,141,107
SPLICE FOR STEEL BEARING PILES
Gerald G. Greulich, Mount Lebanon, Pa.
Application December 29, 1937, Serial No. 182,356
1 Claim. (Cl. 61—53)



A splice for bearing piles comprising a metallic slab having grooves formed in the top and bottom faces of said slab, one of said grooves on one of the faces of said slab being intermediate said slab and at right angles to the other grooves.

2,141,108
NORMALIZING FURNACE
Clarence B. Hoak, Steubenville, Ohio
Application December 9, 1937, Serial No. 179,003
2 Claims. (Cl. 266—3)



1. A combination furnace for bright-annealing or steam bluing strip material comprising a vertically disposed elongated muffle of heat conducting material open at both ends and through which said material is fed, means at each end of said muffle to seal said ends, a closed jacket surrounding said muffle intermediate said ends thereof and forming a continuous chamber around the same, means to optionally circulate inert gas or steam through the jacketed part of said muffle including a conduit passing from said muffle adjacent the opposite ends of the jacket, temperature varying means for said chamber dividing the same into upper and lower heating and cooling zones, respectively, and pipes extending through said jacket into the cooling zone of said chamber for the introduction of water thereinto.

2,141,109
FILM REEL BAND
John G. Kemptgen, Chicago, Ill.
Application December 8, 1937, Serial No. 178,759
5 Claims. (Cl. 206—53)



1. A band, adapted to encircle the film carried by a reel, having a width greater than the distance between the flanges of the reel so as to slightly spread the flanges when positioned around the film to form a positive support for the flanges.

2,141,110
TIN PLATE
Charles E. Miller, Gary, Ind.
No Drawing. Application November 24, 1936, Serial No. 112,609
2 Claims. (Cl. 91—70.3)

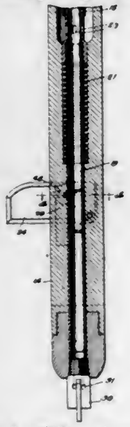
1. A method of producing tin plate from cold rolled steel, including rendering the surface of said steel rougher than normal but not so rough as the normal surface of hot rolled steel and subsequently passing said steel through a tinning machine.

2. A method of producing tin plate from cold rolled steel, including passing said steel through a tinning machine and roughening the surface of said steel prior to passing through said machine to a sufficient degree to cause it to carry sufficient tin into the tinning rolls of said machine to permit the same to adjust the tin so the coating on the leading parts of said surface is not substantially greater in thickness than it is on the following parts, said roughening being insufficient to cause said rolls to adjust said coating so it is thicker on the trailing parts of said steel than it is on said leading parts.

2,141,111
PACKING BOX AND UNDERREAMER
Roscoe A. Mitchell, Laredo, Tex., assignor of one-half to George B. Bancroft, San Antonio, Tex.
Application October 12, 1938, Serial No. 234,701
5 Claims. (Cl. 255—76)

1. In a device of the class described, a well casing, a head on the casing and communicating

with the casing, a tubular shaft mounted to rotate and to reciprocate longitudinally in the head, a hollow foot within and spaced from the casing, a cutter carried by the lower end of the foot and having a passage for liquid, in communication with the well casing, means for connecting the foot to the tubular shaft, the tubular shaft being in communication with the upper portion of the foot, a valve seat in the foot, a downwardly-closing check valve carried by the foot, a piston plunger slidable in the foot and having a pressure partition, the piston plunger being provided with



an upper port and with a lower port, the lower port being normally open, and the upper port being closed by the valve seat when the piston plunger is raised, both ports being open and in communication with the well casing when the piston plunger is depressed by liquid pressure on the partition, spring means for raising the piston plunger, to close the upper port, a conduit connected to the upper end of the tubular shaft, a conduit connected to the head, and means under the control of an operator for securing direct and reverse pressure and wash-out flow through the conduits.

2,141,112
EGG CARRYING DEVICE
Bernhard Neupert, Briesnitz over Sagan, Germany
Application July 13, 1937, Serial No. 153,435
In Germany March 5, 1935
5 Claims. (Cl. 217—28)



1. An egg carrying unit comprising a frame having front, rear and side walls, a comb-like grill extending across one open end of said frame, said grill comprising a plurality of corrugated strips arranged between opposite side walls of said frame in abutting and parallel relationship to each other, said strips being staggered with respect to each other to cause the corrugations of each strip to cooperate with the corrugations of the abutting strips to form the cells of said grill, means connecting said strips together, means connecting said grill to all four walls of said frame, a removable and resilient egg carrying cage carried within each cell of said grill, each of said cages comprising a depending cylinder of spaced resilient wires arranged substantially vertically and in substantial parallel relationship with each other, the lower ends of said wires being connected to form a rigid ring, said cylinder having a diameter less than that of an egg but being expansible laterally to resiliently grip an egg inserted therein, and means connecting said cage to the strips forming its cell and positioning said cage centrally of said cell.

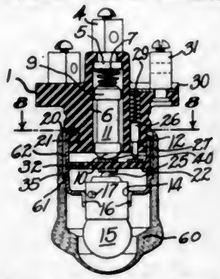
2,141,113
CONTACT
Chester Peterson, Maplewood, N. J., assignor to The H. A. Wilson Company, a corporation of New Jersey
No Drawing. Application April 24, 1937, Serial No. 138,754
6 Claims. (Cl. 200—166)

1. A contact for electrical circuit breaker mechanisms composed of a silver manganese alloy.

2,141,114
CONTACT
Chester Peterson, Maplewood, N. J., assignor to The H. A. Wilson Company, a corporation of New Jersey
No Drawing. Application April 24, 1937, Serial No. 138,755
4 Claims. (Cl. 200—166)

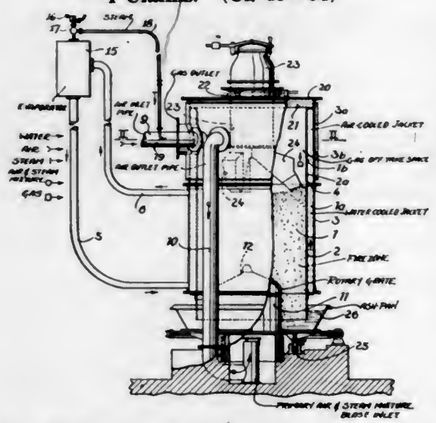
1. A contact for electrical circuit breaker mechanisms composed of an alloy of silver in preponderating amount, manganese, and a diluent consisting of at least one member of the class made up of copper and cadmium.

2,141,115
PILOT LIGHT ASSEMBLY
Wagn Trautner, Springdale, Ohio, assignor to E. H. Kueffer, Oakland, Calif.
Application January 10, 1938, Serial No. 184,189
1 Claim. (Cl. 177—329)



Apparatus of the class described, comprising an insulating base having a recess therein, a fuse having conductive ends, in said recess, a spring at the bottom of said recess resiliently engaging one end of said fuse, an exterior connection to said spring, a conductive shell removably fastened to said base surrounding the open end of said recess, said shell having an axial aperture therein, a lamp having a bayonet base removably positioned in said aperture and restrained when inserted from moving outwardly and free to move inwardly, a contact washer of insulating material free to move longitudinally of said shell positioned between the outer end of said fuse and the bottom connection of said lamp whereby said spring through the medium of said fuse and said washer urges the lamp outwardly against said restraint, a conductive connection on one face of said washer contacting the outer end of said fuse, a fuse binding post on said base resiliently connected to said fuse conductive connection on said washer, a lamp conductive connection on the other face of said washer contacting the bottom contact of said lamp, and a lamp binding post on said base resiliently connected to said lamp conductive connection, said spring providing all contact pressures between lamp, washer and fuse.

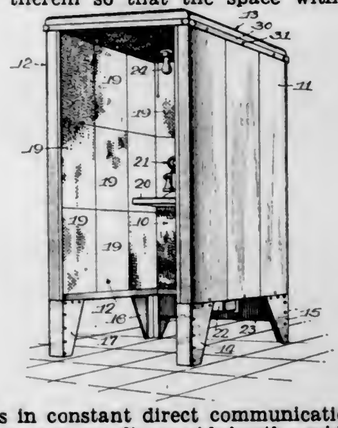
2,141,116
GAS PRODUCER
Paul van Ackeren, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware
Application October 30, 1936, Serial No. 108,483
In Germany November 1, 1935
4 Claims. (Cl. 48—64)



4. Gas-making apparatus comprising a gas-making chamber provided with a shell therefor, and having a supporting grate therein, a lower primary-air and steam mixture-blast-inlet means for inflow of the primary-air and steam mixture-blast upwardly through the bottom of the grate, and an upper gas offtake-means and having the lower portion of the shell adjacent the fire zone of the fuel bed constituted of a double-wall metallic water-cooled jacket provided with means for inflow of cooling water, and the upper portion of the shell adjacent the gas offtake-space constituted of a separate double-wall metallic air-cooled jacket adjacent to and surrounding the gas offtake-space and adapted for flow of the primary-air and steam mixture-blast through the jacket to cool the gas and preheat the air and steam mixture by indirect heat exchange with the gas in the offtake-space, and in which the air inlet and outlet connections for the cooling air for the upper air-cooled jacket comprise conduits adapted to accommodate the primary-air and steam mixture, with means for introducing steam produced by the lower water-cooled jacket into the air inlet, all disposed entirely outside the gas-making chamber and the upper and lower jackets and the said outlet connection being communicably connected with the primary-air and steam mixture-blast inlet means for the fuel bed.

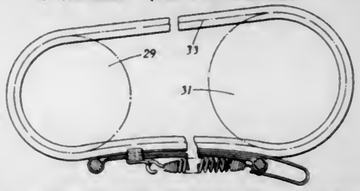
2,141,117
COMMUNICATION BOOTH
Howard F. Weiss, Madison, Wis., assignor, by mesne assignments, to Burgess Battery Company, Chicago, Ill., a corporation of Wisconsin
Application July 31, 1936, Serial No. 93,670
17 Claims. (Cl. 189—2)

15. A communication booth having walls providing a zone of communication within said booth, a lining of sound-absorbing material on substantially all of the interior surfaces of said walls adapted to absorb sound waves within said booth, said booth having a permanent substantially open portion therein so that the space within said



booth is in constant direct communication with the space surrounding said booth, said lining absorbing a substantial portion of the sound waves entering said booth from said surrounding space before said waves reach said zone of communication.

2,141,118
TENSIONING DEVICE FOR CHAINS
John Weller, West Horsley, England
Application August 6, 1937, Serial No. 157,811
In Great Britain December 13, 1935
3 Claims. (Cl. 74—242.11)

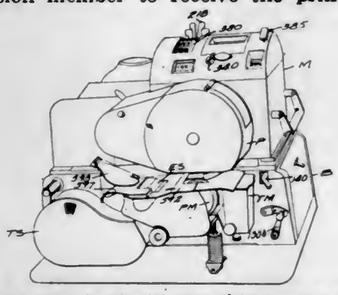


2. In a tensioning device for transmission chains and the like, a laminated leaf spring consisting of at least two leaves, anchorages therefor at each end of the spring, one of said leaves being anchored at one end to one of said anchorages, means at the other end of said leaf slidably engaging the other anchorage, the other of said leaves being anchored at one end to the other of said anchorages and means at the other end of said second leaf slidable on said first leaf, and tension means connected to one of the anchorages and to one of said leaves whereby the leaves are arcuately shaped.

2,141,119
OMNI VALUE STAMPING DEVICE
Walter H. Wheeler, Jr., Stamford, Jacob W. Ogden, Springdale, and Francis J. Rouan, Stamford, Conn., assignors to Pitney-Bowes Postage Meter Co., Stamford, Conn., a corporation of Delaware
Application October 29, 1935, Serial No. 47,330
59 Claims. (Cl. 101—91)

1. In a machine of the character described and in combination with a printing member and an impression member normally adapted to print on separate pieces of matter passed therebetween,

means fixedly positioned on said machine for presenting tape to said printing member and impression member to receive the printed im-



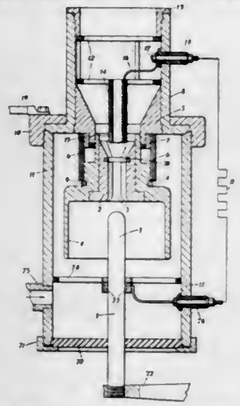
pression, and selectively operable means whereby either said separate pieces of matter or tape may be arranged at will for passage between said printing and impression members.

2,141,120

ELECTRICAL CIRCUIT INTERRUPTER

Willis Bevan Whitney and Edmund Basil Wedmore, London, England, assignors to The British Electrical & Allied Industries Research Association, London, England, a corporation of Great Britain

Application October 30, 1937, Serial No. 171,970
In Great Britain October 31, 1936
32 Claims. (Cl. 200—146)



1. An electric circuit interrupter for current which varies in magnitude during interruption, comprising in combination, a switch structure, relatively movable electrodes mounted to separate within said structure, means for confining the arc formed upon separating said electrodes to a prescribed region within said structure when the varying current is at a relatively high value, at least one component part of said interrupter located outside said region and capable of assisting arc extinction but incapable of satisfactorily withstanding the effect of the arc at heavy current flow, and means for displacing a portion of the arc into contact with said component part as the current decreases toward zero value.

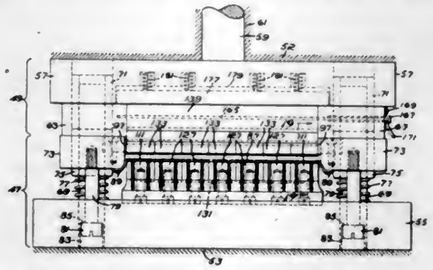
2,141,121

METHOD OF AND MEANS FOR BLANKING, NOTCHING, AND SCORING SHEETS

Charles E. Attwood, Lakewood, N. Y., assignor to Art Metal Construction Company, Jamestown, N. Y., a corporation of Massachusetts

Application October 22, 1937, Serial No. 170,378
31 Claims. (Cl. 164—13)

1. The method of operating on a rectangular sheet, which comprises severing the sheet along lines intermediate two opposite margins to remove



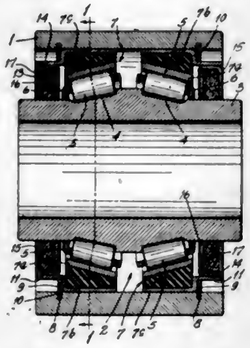
strips therefrom, and simultaneously notching the body of the sheet between the lines.

2,141,122

CUSHIONED ROLLER BEARING

Ernest G. Boden, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application December 22, 1937, Serial No. 181,058
7 Claims. (Cl. 308—184)



1. A double row roller bearing construction comprising a double inner bearing cone with outwardly tapering raceways, tapered bearing rollers on the respective raceways, a bearing cup for each series of rollers, each cup comprising a metal raceway portion, a metal outer shell and an intermediate resilient core, said outer shell having an inwardly extending radial flange at its outermost end overlapping the end face of said resilient core, a housing in which said bearing cups are mounted, said housing having annular grooves around its inner periphery near each end and retaining rings in said grooves for holding said cups in said housing in a preloaded condition.

2,141,123

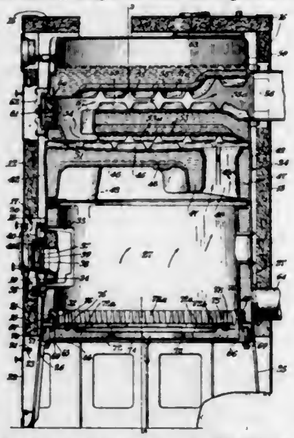
BOILER

Charles W. Brabbée, Tuckahoe, and Bernhard Goerg, Bronxville, N. Y., assignors to American Radiator Company, New York, N. Y., a corporation of New Jersey

Application April 1, 1936, Serial No. 72,006
4 Claims. (Cl. 122—218)

1. A boiler of the character described including a base section having a central opening therein and a fire pot section supported on said base section; said fire pot section having a recessed inner lower edge, a hearth ring secured to said base section having an inwardly-extending flange

at its base and a vertical wall portion extending into said recessed edge of the fire pot section, and



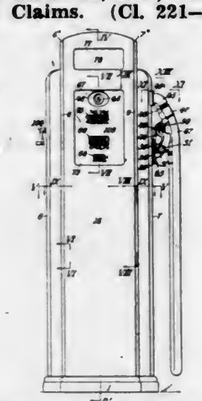
a hearth plate supported upon the inwardly-extending flange of said hearth ring.

2,141,124

HOUSING FOR LIQUID DISPENSING APPARATUS

Eric H. Bradley, Spring Lake, Mich., and William H. D. Brouse, Toronto, Ontario, Canada, assignors to John Wood Manufacturing Company, Inc., Conshohocken, Pa., a corporation of Delaware

Application March 11, 1938, Serial No. 195,292
7 Claims. (Cl. 221—95)



1. In a housing for liquid dispensing apparatus; the combination with a base plate having four corners; of two opposite stationary side panels of sheet metal; means, entirely concealed within said housing, respectively rigidly connecting the lower ends of said panels with said base plate, between opposite pairs of corners of said plate; a top dome plate formed of pressed sheet metal, having a knock-out portion at its central region; means, entirely concealed within said housing, rigidly connecting said dome plate with the upper ends of said panels; two movable panels, respectively at the opposite sides of said housing between said stationary panels; hinge means, entirely concealed within said housing, respectively connecting one edge of each of said movable panels with one edge of one of said stationary panels; locking means, entirely concealed within said housing, for normally detaining the free edges of said movable panels in stationary relation with said stationary panels; a door in one of said stationary panels which, when open, affords access to said locking means for said movable panels; and locking means for said door.

2,141,125

APPARATUS FOR AUTOMATICALLY LOADING AND UNLOADING AERIAL CONVEYERS

Carl Braune, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Application October 22, 1936, Serial No. 107,068
12 Claims. (Cl. 198—177)



1. Apparatus for automatically loading and unloading an aerial conveyer comprising in combination means pivotally suspended from said conveyer for engaging with load carrying means, a fixed support having guiding and rotatable supporting means for said conveyer, movable means adapted to be placed in the fixed path of said suspended means, load carrying means supported by said movable means whereby said suspended means engages with said load carrying means when said movable means is placed in the path thereof, means supporting said conveyer and fixing the paths of said conveyer and said suspended means at the unloading station, tripping means adapted to be moved into the fixed path of said suspended means for momentarily preventing forward motion of the bottom thereof and tripping said suspended means and discharging said load carrying means therefrom and means rising up under said load carrying means and supporting them and the loads carried thereby when they are released from said suspended means.

2,141,126

PROCESS FOR PRODUCING VINYL RESIN SURFACE COATINGS

Arthur K. Doolittle, South Charleston, W. Va., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Original application March 15, 1934, Serial No. 715,662. Divided and this application February 6, 1937, Serial No. 124,467
4 Claims. (Cl. 91—70)

1. Process for producing strongly adherent and resistant surface coatings which includes the steps of forming on a surface a coating essentially comprising a vinyl resin substantially identical with a resin resulting from the conjoint polymerization of a vinyl halide with a vinyl ester of an aliphatic acid together with an inorganic compound of lead which forms insoluble chlorine derivatives, and thereafter baking said coating at a temperature at which said vinyl resin would be decomposed in the absence of said compound of lead.

2,141,127

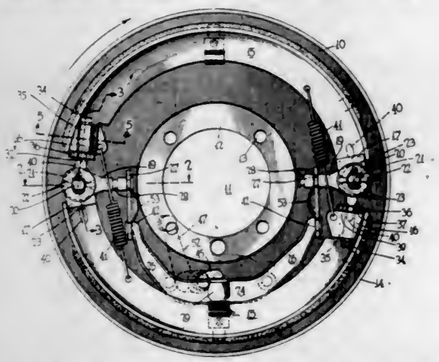
SYMMETRICAL SHOE BRAKE

Carolus L. Eksergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania

Application June 30, 1934, Serial No. 733,217
6 Claims. (Cl. 188—78)

1. A symmetrical two shoe brake comprising cam levers between adjacent ends of the shoes,

the cams of which, upon engagement of the shoes with and movement by the drum, develop, respectively, different mechanical advantages for levers of the same length for the same applied power,



and the power arms of which have their lengths adjusted in accordance with the differential mechanical advantages to apply equalized loads to the brake shoes from each cam.

2,141,128

NONENZYMATIC ACTIVATOR AND PROCESS OF MAKING SAME

Hans V. Euler, Henry Albers, and Fritz Schlenk, Stockholm, Sweden, assignors to E. Bilhuber, Inc., Jersey City, N. J., a corporation of New Jersey

No Drawing. Application September 3, 1937, Serial No. 162,396. In Germany December 18, 1935

6 Claims. (Cl. 260—211)

1. A process of the character described for treating cozymase compounds of a relatively lower order of activity in order to augment the activity thereof which includes adjusting a solution containing such compounds to a pH value of the order of 6.5 by adding barium hydroxide to form a precipitate, removing the barium content from said precipitate, adsorbing the cozymase content of the remaining compounds on alumina and then extracting cozymase therefrom.

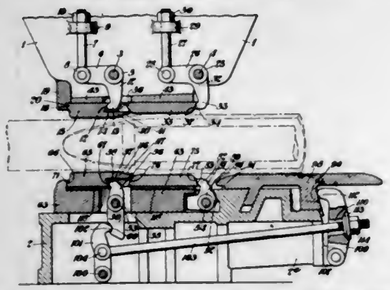
2,141,129

APPARATUS FOR MAKING METALLIC TUBULAR WORKPIECES

Stevenson Findlater, McKeesport, Pa., assignor to National Tube Company, a corporation of New Jersey

Application September 12, 1936, Serial No. 100,535

4 Claims. (Cl. 80—13)



1. In an apparatus for making metallic tubular work-pieces, said apparatus including a plurality of power-actuated metal-working rolls constructed and arranged to advance the work-pieces helically, guide supports disposed immediately above and below the pass formed by said rolls, upper and lower guides of similar configuration, each of said guide supports having an abutment and a guide-element supporting surface, said abutment and said supporting surface defining a reentrant angle, guide-elements having surfaces complementary to and in contact with the abutment on each of said guide supports, said guide-elements being also in contact with the guide-element supporting surfaces of said guide supports, each of said guide-elements having an undercut surface spaced from and oppositely inclined with respect to those surfaces thereof which are complementary to the abutments on said guide supports, clamping elements having surfaces complementary to and in contact with the undercut surfaces of said guide-elements whereby said guide-elements are rigidly secured to said guide supports, said guide-elements having other surfaces extending generally in the direction of but materially spaced from the abutments of said guide supports, additional guide-elements having surfaces complementary to and in contact with the last-named surfaces of said first-named guide-elements, said second-named guide-elements having surfaces extending generally in the direction of the undercut surfaces of said first-named guide-elements, and clamping elements having surfaces complementary to and in contact with the last-named surfaces of said second-named guide-elements whereby said second-named guide-elements are rigidly secured against said first-named guide-elements and to said guide supports.

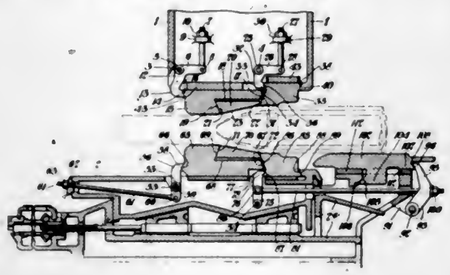
2,141,130

GUIDE DEVICE

Stevenson Findlater, McKeesport, Pa., assignor to National Tube Company, a corporation of New Jersey

Application November 24, 1936, Serial No. 112,588

3 Claims. (Cl. 80—13)



3. The combination with an axial tube rolling mill of a stationary work-piece guide device disposed intermediate the metal-working rolls comprising a support, a stationary guide element, means for holding said guide element in contact with said support, a second stationary guide element, means for moving said second-named guide element towards said first named guide element, and an insert carried by said second-named guide element, said insert being constructed and arranged to be rigidly held in position on said second named guide element and against said first named guide element by moving said second named guide element toward the first named guide element, the contacting surfaces of said insert and said first and second named guide elements being mitered.

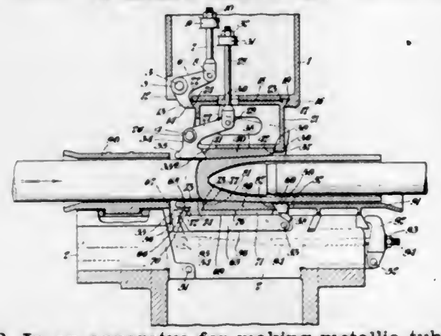
2,141,131

GUIDE DEVICE

Stevenson Findlater, McKeesport, Pa., assignor to National Tube Company, a corporation of New Jersey

Application March 26, 1938, Serial No. 198,307

4 Claims. (Cl. 80—13)



2. In an apparatus for making metallic tubular work-pieces, said apparatus including a plurality of power-actuated metal-working rolls constructed and arranged to advance the work-piece helically, a guide support disposed intermediate said metal-working rolls, a totally stationary guide device carried by said guide support, said guide device comprising a pair of sectionalized elements, each of said elements being adapted for substantially continuous contact with that portion of the work-piece which is in the working zone of said metal-working rolls, and means for clamping said sectionalized elements to the adjacent guide support, one of said sectionalized elements having a portion extending between the other sectionalized element and said support to thereby provide rigidity.

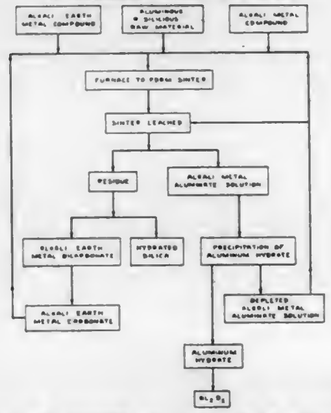
2,141,132

PROCESS OF TREATING SILICEOUS MATERIALS

Roy C. Folger, Cleveland Heights, Ohio, assignor to The Cowles Detergent Company, a corporation of Ohio

Application June 11, 1936, Serial No. 84,717

5 Claims. (Cl. 23—143)



1. In the process of treating aluminous siliceous material containing a substantial proportion of silica by the process steps of mixing and sintering the material with an alkali earth metal compound and an alkali metal compound to form alkali earth metal silicates and alkali metal aluminate, dissolving out the alkali metal aluminate from the sinter, and recovering the alumina and alkali metal compound from the alkali aluminate solution, the improvement which comprises treating the residue with carbon dioxide to form hydated silica and a bicarbonate of the alkali earth metal, separating the hydrated silica and the alkali earth metal bicarbonate, converting the bicarbonate to form an alkali earth metal carbonate, and utilizing the alkali earth metal carbonate thus obtained in forming additional charges for the sintering.

2,141,133

SEDIMENTATION

Robert C. Gibbs, Banstead, England, assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware

Application February 25, 1936, Serial No. 65,632

In Great Britain March 1, 1935

5 Claims. (Cl. 210—3)



1. In the clarifying of liquids having solids in suspension therein, the method which comprises subjecting a main body of such liquid to sedimentation in a main sedimentation basin, collecting the resulting settlings as sludge and mechanically impelling the same substantially horizontally while in submergence to a downwardly extending thickening section of smaller horizontal area than the main basin and in open communication therewith, subjecting the sludge in the thickening section to gentle movement to disturb the equilibrium thereof and in a manner to form vertically extending channels in the sludge of lessened resistance to liquid flow by virtue of which liquid is induced to escape from the sludge and move upwardly along an open path into the main body of liquid being clarified whereby there is effected a thickening and concentrating of the sludge in the depressed section.

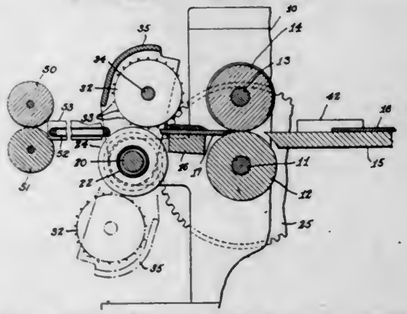
2,141,134

MACHINE FOR OPERATING ON COUNTERS

Charles C. Gillis, Lynn, Mass., assignor to Gillis Counter Co. Incorporated, Lynn, Mass., a corporation of Massachusetts

Application July 16, 1937, Serial No. 154,032

14 Claims. (Cl. 12—63)



1. A machine for operating upon counters, comprising skiving mechanism of the matrix type for skiving one edge of a counter blank, and slashing mechanism geared to said skiving mechanism and including a presser roll, a rotary blade

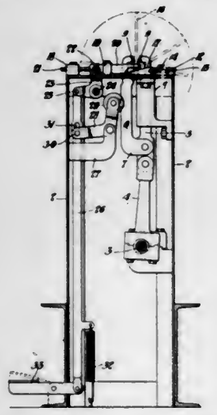
carrier arranged to engage the skived blank as it passes from the skiving mechanism, and means for adjusting the location of the blade carrier with reference to the counter blank.

2,141,135

BURR REMOVING MACHINE

Hugh Whitman Haynes, Joliet, Ill., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Application October 7, 1937, Serial No. 167,843
4 Claims. (Cl. 90—44)



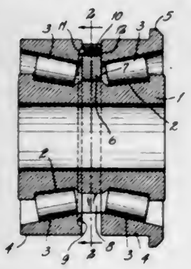
1. An apparatus for removing burrs from welded rod ends including a pair of spaced oppositely disposed pivotally connected reciprocating members, cutters on said reciprocating members, a rod supporting member, a U-shaped member for rotatably holding said burred welded rod on said supporting member with the burr in the path of said cutters and means for reciprocating said cutters.

2,141,136

DOUBLE ROW ROLLER BEARING

Fred R. Heck, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application March 11, 1938, Serial No. 195,222
6 Claims. (Cl. 308—214)



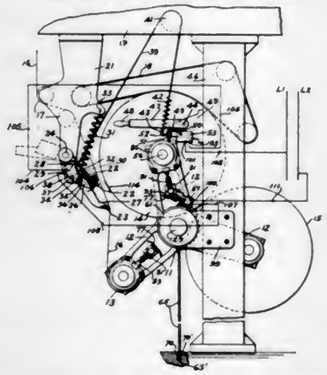
1. A double row roller bearing comprising two annular series of rollers, a separate bearing cup for each series of rollers, said cups being disposed with their opposed ends spaced apart, one of said opposed cup faces having an annular groove therein, an open ended washer interposed between said cup faces and a spring pressed ball in said washer for locking engagement with said groove.

2,141,137

WEB SUPPLY MECHANISM FOR PRINTING MACHINES

Albert J. Horton, White Plains, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Application September 15, 1936, Serial No. 100,858
15 Claims. (Cl. 242—58)



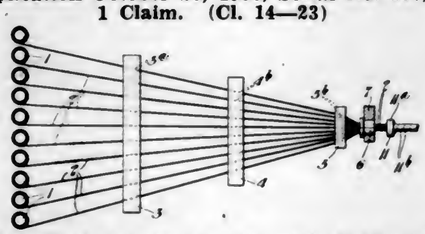
1. In a web roll changing mechanism, a movable web deflecting member, means to restrain said member, electrically operable means to release said restraining means, a switch in circuit with said electrically operable means, a manually operable member for simultaneously exerting a pull on said web deflecting member and actuating said switch, and resilient means connecting said manually operable means and said web deflecting member.

2,141,138

BRIDGE CABLE STRAND

James Forrest Howe, Worcester, Mass., and Malcolm W. Reed, Shaker Heights, Ohio, assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Application October 26, 1936, Serial No. 107,742
1 Claim. (Cl. 14—23)



A method of making a suspension bridge cable strand, including arranging a plurality of coils of strand elements adjacent one end of the bridge site, feeding said elements through a die, fixing a pulling means to the ends of all said elements fed through said die and simultaneously pulling said elements through said die towards the other end of the bridge site while applying cable strand binding to said elements at a position adjacent the first named end.

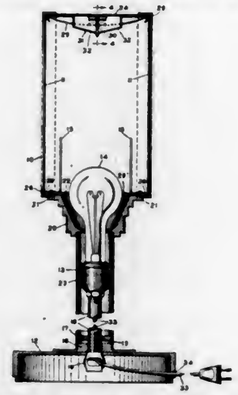
2,141,139

INTERIORLY ILLUMINATED SIGN

Paul J. Howe, Ridgewood, N. J., and Clement H. Wyss, Jr., New York, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application June 5, 1937, Serial No. 146,672
12 Claims. (Cl. 40—132)

1. In an illuminating device, a panel to be lighted, a light source, and means interposed between said panel and said light source to provide a uniform illumination of said panel, said means



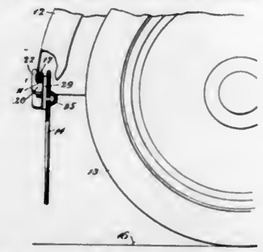
having light transmitting openings varying in size according to their respective displacements from the light source.

2,141,140

SPLASH GUARD FOR VEHICLE WHEEL FENDERS

Arthur A. Johnson, Bridgeport, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut

Application May 9, 1935, Serial No. 20,557
27 Claims. (Cl. 280—152)



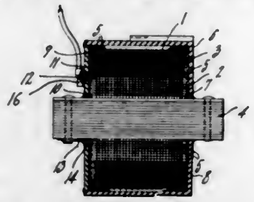
18. An automobile fender splash guard comprising an apron; a pair of attaching clamps to be secured to the fender; and a snap demountable connection between the clamps and the apron to secure the apron to the clamps with the clamps in service-grip engagement with the fender.

2,141,141

IGNITION COIL

Ludvig P. Kongsted, Longmeadow, Mass., assignor to American Bosch Corporation, Springfield, Mass., a corporation of New York

Application December 27, 1937, Serial No. 181,937
7 Claims. (Cl. 175—361)



1. A high-voltage ignition coil comprising windings of superposed layers of insulated wires; insulating sheets between said layers; a core for said coil; insulating oil filling the interstices of and the open spaces in and between said wires, sheets and core; and a fluid-tight casing comprising two preformed members of oil-resistant material surrounding said windings, each of said members forming an end wall of the casing and each of said end walls having a central aperture therethrough through which an end of the core projects; said casing being fluid-sealed interiorly at the joints between said end portions and said core with a material which below 220° F. does not flow or dissolve in or chemically combine with said insulating oil.

2,141,142

EXTREME PRESSURE LUBRICANT

Anderson W. Ralston, Chicago, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application December 21, 1936, Serial No. 117,095
8 Claims. (Cl. 87—9)

1. An extreme pressure lubricant comprising a relatively large amount of a mineral lubricating oil and a smaller amount of the reaction product obtained by reacting sulphur monochloride with an aliphatic nitrile having the formula RCN wherein R is an alkyl radical having at least 9 carbon atoms, at a temperature not in excess of 135° C.

2,141,143

PROCESSES FOR REFINING HYDROCARBON OILS BY MEANS OF HALOGEN COMPOUNDS

Ernst Terres, Berlin, Germany, Josef Moos, New York, and Erich Saegebarth, Jackson Heights, N. Y., assignors to Edeleanu Gesellschaft, m. b. H., a German corporation

No Drawing. Application October 25, 1937, Serial No. 170,964
8 Claims. (Cl. 196—19)

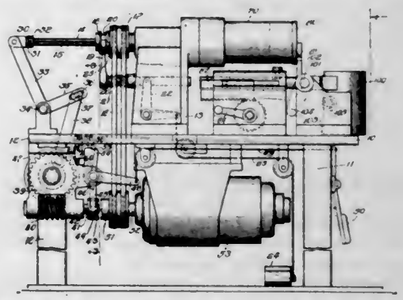
1. A method of separating dissimilar constituents of lubricating oil and wax made therefrom comprising mixing the oil product with tetrabromoethane at a temperature at which part of the oil only is dissolved, separating out the undissolved part of the oil solution, and recovering the solvent from the oil solution.

2,141,144

CARTRIDGE WINDING MACHINE

George C. Warner, La Porte, Ind., assignor to De Luxe Products Corporation, a corporation of Indiana

Application September 13, 1937, Serial No. 163,657
11 Claims. (Cl. 242—11)

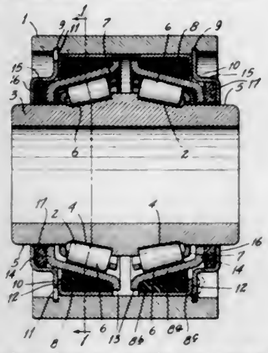


5. In a cartridge winding machine, a shaft,

means for rotating the shaft, a cylinder associated therewith and having an axis in alignment with the axis of the shaft, means for mounting a cartridge base upon the shaft and within the cylinder, said cylinder having a longitudinal slot in a side thereof through which cartridge material may be supplied to be wound on the cartridge base, means for urging a wound cartridge from the cylinder, and a removable sleeve adapted to register with the cylinder, into which the wound cartridge may be urged.

6. In a cartridge winding machine, a shaft, means for rotating the shaft, a cylinder associated therewith, means for mounting a cartridge base upon the shaft and within the cylinder, means for feeding cartridge material into the cylinder and winding it upon the cartridge base through rotation of the shaft, and means operatively connected to the cartridge mounting for urging the cartridge from the cylinder and for returning the mounting within the cylinder, said means for removing the cartridge and returning the mounting being adapted to be actuated by a single operation.

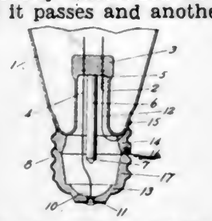
2,141,145
CUSHIONED ROLLER BEARING AND MOUNTING
Ernest Wooler and John B. Baker, Canton, Ohio, assignors to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application February 21, 1938, Serial No. 191,624
6 Claims. (Cl. 308—184)



1. A roller bearing mounting comprising an inner bearing cone, taper rollers thereon, an outer bearing cup comprising a conical metal raceway portion, an outer cylindrical metal shell portion and an intermediate resilient core portion, a housing in which said cup is mounted, said outer shell having an inwardly disposed radial flange at its outermost end engaging the end of said core, said raceway portion extending beyond the ends of said rollers, an outwardly extending flange at the larger end of said raceway portion overlapping the end of said resilient core and an inwardly extending flange at the smaller end of said raceway portion extending into proximity with a portion of the inner bearing cone.

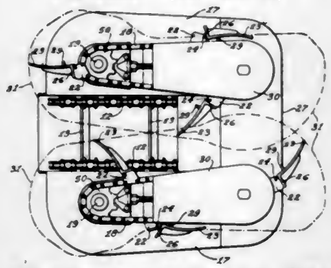
2,141,146
CONTACTOR BASE FOR LAMPS, TUBES, AND THE LIKE
Rolland M. Zabel, Lynnfield, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application September 17, 1935, Serial No. 40,871
7 Claims. (Cl. 176—30)

1. In combination, an electric lamp bulb, a hollow cylindrical metal shell serving as one contact of a contact base and affixed to the lamp bulb by a ring of porous, insulating arc-quenching cement near the rim of the shell, a fuse wire passing through said ring of cement and electrically connected to said shell and to a lamp bulb lead-in wire, part of the length of said fuse wire being directly embedded in the cement through which it passes and another part being



exposed to the atmosphere inside the base, a second lead-in wire to said lamp bulb and electrically connected to a contact button supported by an insulating plug which closes off the end of the metal shell farthest from the lamp bulb, and an insulating ring which bridges the space between the cement ring and the insulating plug to complete the insulation of the entire interior of the metal shell from the atmosphere inside the base by all paths except through the fuse.

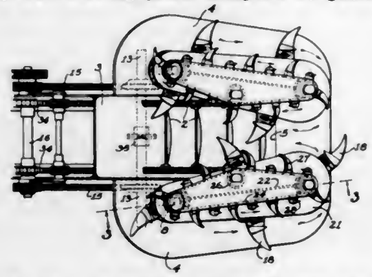
2,141,147
LOADING MACHINE
John L. Clarkson, Nashville, Ill.
Application October 25, 1934, Serial No. 749,902
Renewed November 5, 1937
8 Claims. (Cl. 198—8)



1. In a loader of the character described, an elevating conveyor, a gathering head mounted at an inclination to the horizontal at the forward end of said conveyor, a pair of endless gathering chains mounted for orbital movement on said head in orbits substantially at the inclination of said head, gathering arms movably mounted on said chains, and means for moving said chains having turning means causing said arms to execute a quick turn at the upper end of their orbit whereby the inertia of said arms operates to turn them into endwise-moving position with respect to their chains, and means for guiding said arms to retain them in such position during their forward movement so as to enter the material to be loaded with a thrusting movement endwise of said arms.

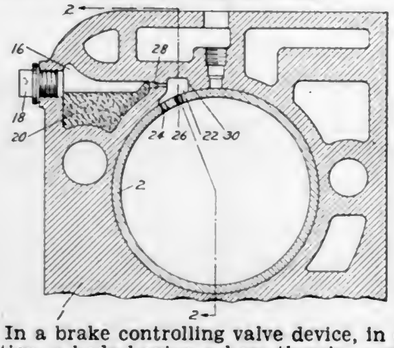
2,141,148
LOADING MACHINE
John L. Clarkson, Nashville, Ill.
Application October 26, 1935, Serial No. 46,842
14 Claims. (Cl. 198—8)

1. In a loading machine of the character described, an elevating conveyor at the front of the machine extending upwardly and rearwardly, a gathering head extending upwardly and rearwardly to overlap said conveyor and having a way therealong, a gathering chain moving on said head in a path extending upwardly and rearwardly and having picks adapted to gather the



material and progress the same over said way and onto said conveyor, and a clearing chain movable in a path extending upwardly and rearwardly above said gathering chain and having picks adapted to clear away material above said gathering chain.

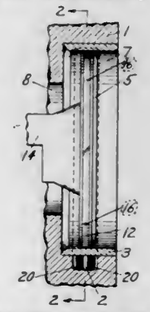
2,141,149
PISTON LUBRICATING DEVICE
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application February 19, 1936, Serial No. 64,623
15 Claims. (Cl. 184—18)



1. In a brake controlling valve device, in combination, a body having a bore therein, a piston reciprocable in said bore, the body having a chamber associated therewith, the chamber having associated therewith a communication leading from the lower surface of the chamber to the face of the bore adjacent the uppermost portion thereof, the body having another chamber associated therewith and adapted to contain a quantity of lubricant, said lubricant chamber communicating with the first named chamber by way of a passage of substantially less rapid flow capacity than that of said communication, the valve device being adapted to have fluid under pressure both supplied to and released from the area at the face of the piston by way of a communication independent of said chambers.

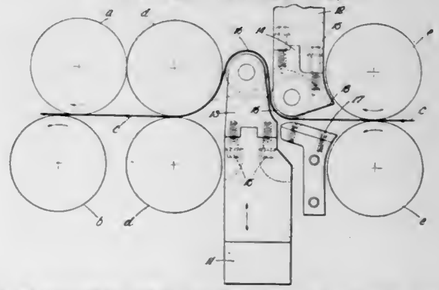
2,141,150
PISTON LUBRICATOR
Ellery R. Fitch, Irwin, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application April 6, 1936, Serial No. 72,971
2 Claims. (Cl. 184—18)

1. In an air brake valve device, in combination, a body having a bore therein, a bushing positioned in said bore, a piston mounted in said bushing, said piston having a normal position and being movable therefrom in response to variations in the pressure of the air in chambers at the faces thereof, said bushing and said body cooperating to form a lubricant chamber at least partially surrounding said bushing and being adapted to hold a quantity of liquid lubricant, said bushing being provided with a plurality of circumferen-



tially spaced ports disposed substantially in the plane of said piston when said piston is in its normal position, said ports connecting said lubricant chamber with the interior of said bushing, certain of said ports being arranged to limit the level of lubricant when filling said chamber and the other of said ports being arranged to conduct lubricant to the interior of said bushing to facilitate movement of said piston in the normal position thereof.

2,141,151
ROLLER LEVELER MACHINE
Eric Birger Fernberg, Edgware, England, assignor to The Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 3, 1934, Serial No. 718,754
In Great Britain April 28, 1933
7 Claims. (Cl. 153—54)



1. A machine for treating metal sheets comprising spaced pairs of feeding rolls and means disposed to operate in the space between said feeding rolls to stress the sheet in its passage through the machine, said stressing means comprising two or more series of rollers and a vertically deep rigid support for each series, said series of rollers being of relatively small diameter as compared with the diameter of the feed rolls and arranged when in operative position in staggered relation transversely of the machine whereby the sheet is given a plurality of sharp bends in its passage through the machine.

6. A machine for treating wide metal sheets comprising spaced pairs of feeding rolls and stressing means disposed to operate upon a sheet while passing between said pairs of feeding rolls,

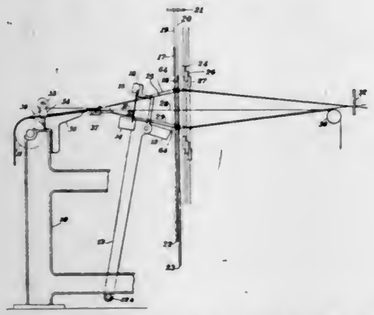
said stressing means comprising at least one series of rollers, and bearing blocks each having an extension narrower than the rollers extending between and supporting said rollers for individual rotation on independent bearings and in closely spaced relation to present a substantially continuous cylindrical periphery or surface, and a vertically deep rigid beam removably mounting said bearing blocks.

2,141,152

APPARATUS AND METHOD FOR THE MANUFACTURE OF PILE FABRICS

Frank M. Kaufman, Merion, Pa., assignor to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware

Application January 21, 1938, Serial No. 186,067
13 Claims. (Cl. 139—21)



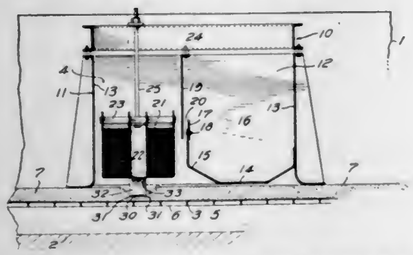
1. In a pile fabric loom, a reed having dents, a supply of ground warp threads, pile-forming warp yarns, shedding mechanism for both the ground and the pile warps, a set of sheddable longitudinal pile gauges extending through reed dents, shedding means for said longitudinal pile gauges, transverse pile wires and means for inserting and withdrawing some of the transverse wires over the longitudinal gauges and others of the transverse wires under the longitudinal gauges.

2,141,153

SEALING PLATE FOR SAND FILTER CLEANERS

William C. Laughlin, New York, N. Y., assignor to Filtration Equipment Corporation, New York, N. Y., a corporation of Delaware

Application October 6, 1937, Serial No. 167,625
5 Claims. (Cl. 210—128)



4. In combination, a filter bed, means to flow influent to be filtered on top of the bed, means to remove clean effluent from beneath the bed, a movable cleaner adapted to travel over the filter bed and means to move the cleaner over the bed, said cleaner including means for creating a zone of agitation in the filter bed material at a localized area whereby dirt held by the bed material is washed therefrom into the water in and around said zone, means to remove the wash water from said zone, and a plate supported by the movable cleaner and movable therewith, extending substantially in a horizontal plane immediately beneath the zone of agitation and substantially at the bottom thereof to baffle the flow of dirty water through the bed at that point.

2,141,154

CURRENT COLLECTOR

Louis A. Meisse, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey

Application August 10, 1937, Serial No. 158,330
10 Claims. (Cl. 191—59.1)



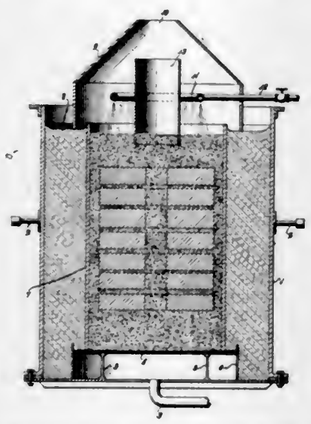
1. A current collector shoe comprising a body of heat-treated steel having a portion intermediate the ends of the body with an elongated contact surface to engage a trolley wire and the said portion having rounded ends, the metal forming the said body having a gradual change in hardness from the maximum hardness adjacent the center of the said body to which the composition of the steel will permit to a maximum softness adjacent the ends thereof.

2,141,155

METHOD FOR PRODUCING ABRASIVE ARTICLES

Edmund S. Merriam, Marietta, Ohio

Application April 28, 1938, Serial No. 204,849
5 Claims. (Cl. 51—278)



1. A method for burning a stack of preformed green abrasive wheels containing combustible material effective on burning to fuse the contained vitrifiable bond in said wheels, comprising embedding said stack of green wheels in a bed of inert granular material in a retort, initially igniting the combustible material contained in the retort charge at one end thereof, and, as the zone of burning of the combustible material in the retort charge progresses through the stack of wheels, effecting oxidation of a gaseous fuel to the rear of the advancing zone of burning of combustible material in the retort charge to preclude premature cooling of the first burned wheels in the stack.

2,141,156

ALLOY

Arthur W. Peterson, North Attleboro, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts

No Drawing. Application February 23, 1938, Serial No. 191,971
3 Claims. (Cl. 75—155)

1. An alloy consisting of 0.15% to 12% of a metal selected from the group composed of cobalt and alloys composed of cobalt and nickel, 7% to 18% of silver, 11.4% to 22% of zinc, and the balance copper.

2,141,157

ALLOY

Arthur W. Peterson, North Attleboro, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts

No Drawing. Application August 23, 1938, Serial No. 226,328
5 Claims. (Cl. 75—134)

1. A gold alloy consisting of about 33 to 84% gold, 10.7 to 67% copper, 0.1 to 5% cobalt, 2 to 10% silver, and 2 to 10% zinc.

DESIGNS

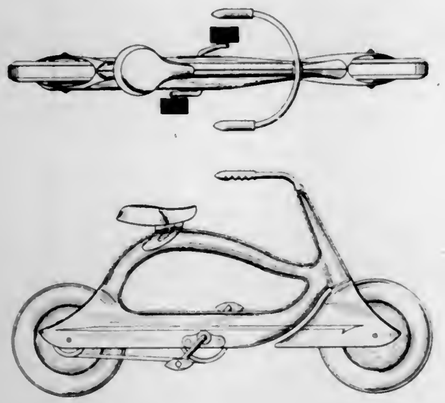
DECEMBER 20, 1938

112,592
DESIGN FOR A SCREW DRIVER
Rudolph J. Velepec, Rochester, N. Y., assignor to Upson Brothers, Inc., Rochester, N. Y., a corporation of New York
Application March 30, 1938, Serial No. 76,197
Term of patent 14 years



The ornamental design for a screw driver, as shown.

112,593
DESIGN FOR A BICYCLE
Ernest W. Baxter, Detroit, Mich.
Application March 23, 1938, Serial No. 76,037
Term of patent 7 years



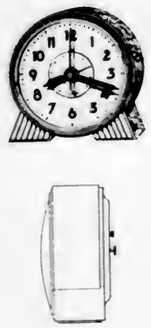
The ornamental design for a bicycle, substantially as shown.

112,594
DESIGN FOR A CLOCK CASE
Leo Ivan Bruce, Framingham, Mass., assignor to Warren Telechron Company, a corporation of Maine
Application October 18, 1938, Serial No. 80,529
Term of patent 14 years



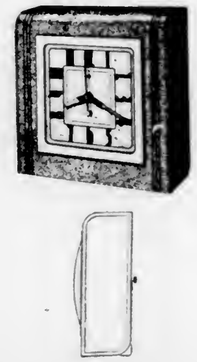
The ornamental design for a clock case, as shown.

112,595
DESIGN FOR A CLOCK CASE
Leo Ivan Bruce, Framingham, Mass., assignor to Warren Telechron Company, a corporation of Maine
Application October 18, 1938, Serial No. 80,530
Term of patent 14 years



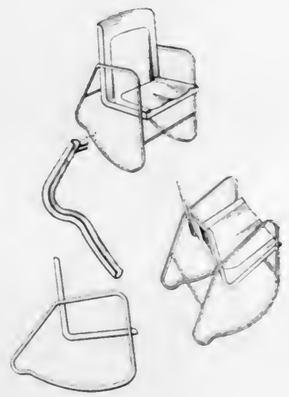
The ornamental design for a clock case, as shown.

112,596
DESIGN FOR A CLOCK CASE
Leo Ivan Bruce, Framingham, Mass., assignor to Warren Telechron Company, a corporation of Maine
Application October 18, 1938, Serial No. 80,531
Term of patent 14 years



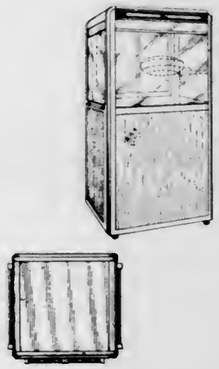
The ornamental design for a clock case, as shown.

112,597
DESIGN FOR A CHAIR
Frank C. Castelli, Carrol Park, Pa.
Application November 14, 1938, Serial No. 81,082
Term of patent 7 years



The ornamental design for a chair, as shown and described.

112,598
DESIGN FOR A CORN POPPING MACHINE
Charles J. Cretors, Chicago, Ill.
Application October 6, 1938, Serial No. 80,286
Term of patent 7 years



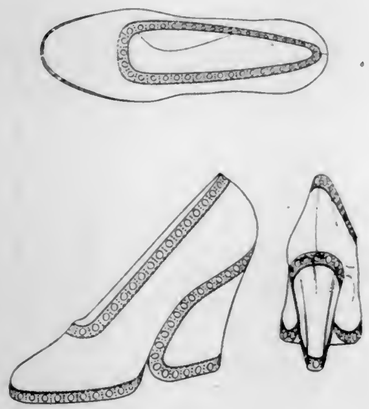
The ornamental design for a corn popping machine, substantially as shown and described.

112,599
DESIGN FOR A FLOWER HOLDER
Arthur Craig de Angelis and John P. Croasdale, Jr., Philadelphia, Pa., assignors to Lewis P. Weil, Philadelphia, Pa.
Application September 22, 1938, Serial No. 80,034
Term of patent 3½ years



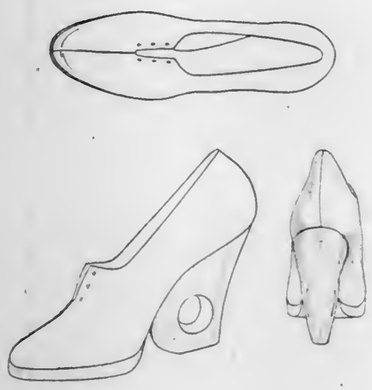
The ornamental design for a flower holder, as shown.

112,600
DESIGN FOR A SHOE
Herman B. Delman, New York, N. Y.
Application November 1, 1938, Serial No. 80,801
Term of patent 3½ years



The ornamental design for a shoe, as shown and described.

112,601
DESIGN FOR A SHOE
Herman B. Delman, New York, N. Y.
Application November 1, 1938, Serial No. 80,802
Term of patent 3½ years



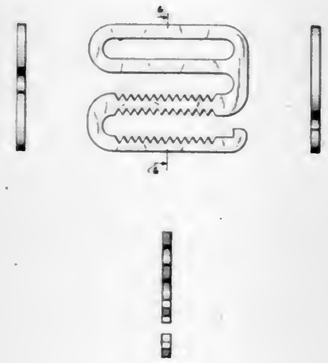
The ornamental design for a shoe, as shown and described.

112,602
DESIGN FOR A PLAQUE OR THE LIKE
William C. Egan, Jersey City, and Neil F. Deighan, Pennsauken, N. J.
Application August 16, 1938, Serial No. 79,382
Term of patent 14 years



The ornamental design for a plaque or the like, substantially as shown.

112,603
DESIGN FOR A CLIP FOR SANITARY GARMENTS
Joseph D. Farkas, New Rochelle, N. Y.
Application September 15, 1938, Serial No. 79,922
Term of patent 3½ years



The ornamental design for a clip for sanitary garments, substantially as shown.

112,604
DESIGN FOR A TRAY
William Garten, Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del., a corporation of Delaware
Application October 4, 1938, Serial No. 80,249
Term of patent 7 years



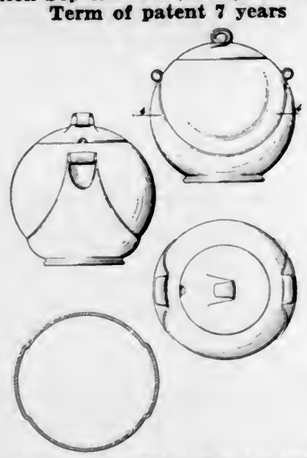
The ornamental design for a tray, substantially as shown.

112,605
DESIGN FOR A FINGER RING
Morris Kahn, New York, N. Y.
Application November 16, 1938, Serial No. 81,144
Term of patent 14 years



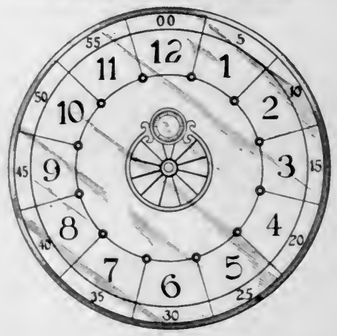
The ornamental design for a finger ring, as shown and described.

112,606
DESIGN FOR A BOWL OR ANALOGOUS ARTICLE
Kisaburo Kato, San Francisco, Calif.
Application September 14, 1938, Serial No. 79,892
Term of patent 7 years



The ornamental design for a bowl or analogous article, substantially as shown.

112,607
DESIGN FOR A CLOCK DIAL
Earl L. Kelley, Los Angeles, Calif.
Application October 5, 1938, Serial No. 80,282
Term of patent 3½ years



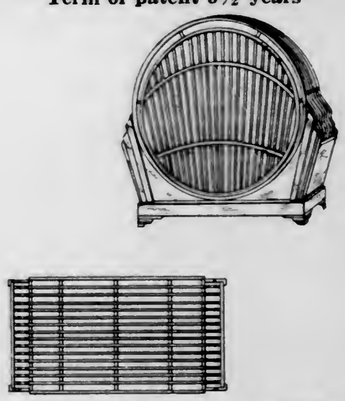
The ornamental design for a clock dial, as shown.

112,608
DESIGN FOR A SHOE
Alfred D. Levine, Newton, Mass.
Application October 19, 1938, Serial No. 80,633
Term of patent 3½ years



The ornamental design for a shoe, as shown.

112,609
DESIGN FOR A BIRD CAGE
Earl W. Little, Indianapolis, Ind.
Application May 24, 1938, Serial No. 77,354
Term of patent 3½ years



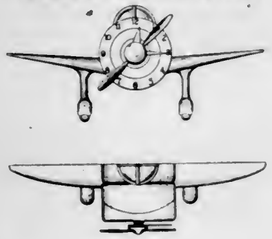
The ornamental design for a bird cage, as shown and described.

112,610
DESIGN FOR A CLOCK
Ralph Magro, Jersey City, N. J., assignor to Magro Globe Clock, Inc., a corporation of New York
Application May 20, 1938, Serial No. 77,305
Term of patent 14 years



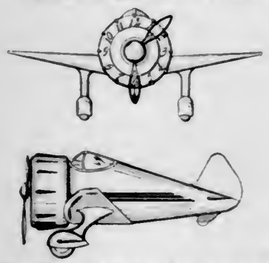
The ornamental design for a clock, as shown and described.

112,611
DESIGN FOR A CLOCK
Doyle B. Marshall, Marshall, Mich.
Application September 26, 1938, Serial No. 80,087
Term of patent 7 years



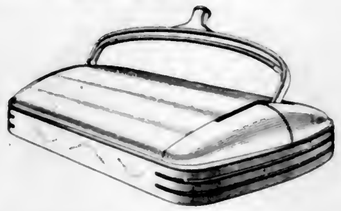
The ornamental design for a clock, as shown.

112,612
DESIGN FOR A CLOCK
Doyle B. Marshall, Marshall, Mich.
Application September 26, 1938, Serial No. 80,088
Term of patent 7 years



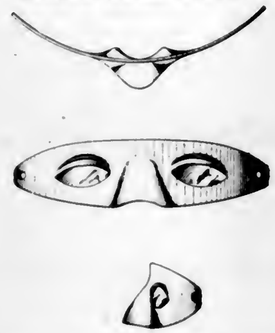
The ornamental design for a clock, as shown.

112,613
DESIGN FOR A CARPET SWEEPER
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application October 8, 1938, Serial No. 80,328
Term of patent 7 years



The ornamental design for a carpet sweeper, as shown and described.

112,614
DESIGN FOR SUNGLASSES
Elise S. Payne, New York, N. Y.
Application October 22, 1938, Serial No. 80,622
Term of patent 3½ years



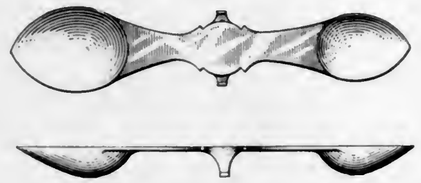
The ornamental design for sunglasses, as shown.

112,615
DESIGN FOR A PRICE CARD HOLDER
Marshall A. Pearson, San Francisco, Calif.
Application September 26, 1938, Serial No. 80,105
Term of patent 14 years



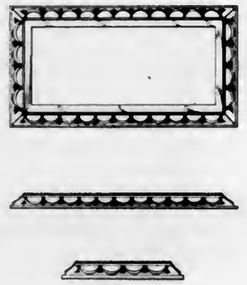
The ornamental design for a price card holder, substantially as shown.

112,616
DESIGN FOR A MEASURING SPOON OR SIMILAR ARTICLE
Theodore Pratt, Glen Cove, and Rudolph Schumacher, Jr., Bronx, N. Y.; said Schumacher assignor to said Pratt
Application October 20, 1938, Serial No. 80,578
Term of patent 14 years



The ornamental design for a measuring spoon or similar article, as shown.

112,617
DESIGN FOR A GRAVE MARKER
Louis Shultz, Red Rock, Okla.
Application September 28, 1938, Serial No. 80,128
Term of patent 14 years



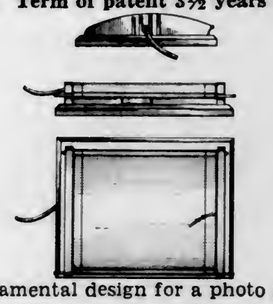
The ornamental design for a grave marker, as shown.

112,618
DESIGN FOR A WATCHCASE
Paul A. Schwankhaus, Dayton, Ky., assignor to The Wadsworth Watch Case Company, Dayton, Ky., a corporation of Kentucky
Application June 24, 1938, Serial No. 78,014
Term of patent 7 years



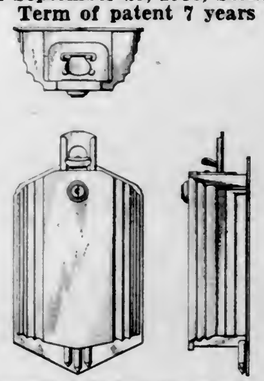
The ornamental design for a watchcase, substantially as shown and described.

112,619
DESIGN FOR A PHOTO PRINT DRIER
Harry Schwartzmann, New York, N. Y.
Application June 5, 1937, Serial No. 69,687
Term of patent 3½ years



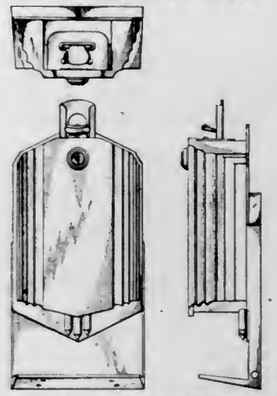
The ornamental design for a photo print drier, as shown.

112,620
DESIGN FOR A COIN CONTROL DEVICE
Ken C. Shyvers, Chicago, Ill.
Application September 29, 1938, Serial No. 80,132
Term of patent 7 years



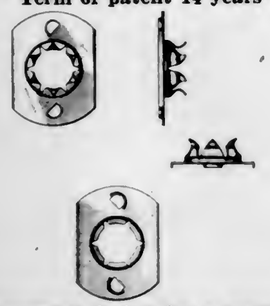
The ornamental design for a coin control device, as shown.

112,621
DESIGN FOR A COMBINATION COIN CONTROL DEVICE AND MOUNTING THEREFOR
Ken C. Shyvers, Chicago, Ill.
Application September 29, 1938, Serial No. 80,133
Term of patent 7 years



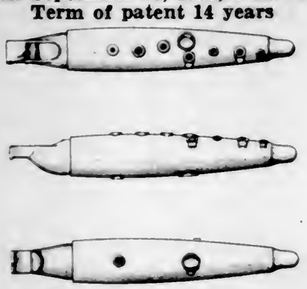
The ornamental design for a combination coin control device and mounting therefor, as shown.

112,622
DESIGN FOR A MOUNT PLATE FOR SUPPLY ROLLS
Frank G. Steiner, Chicago, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah, a corporation of Utah
Application July 7, 1938, Serial No. 78,323
Term of patent 14 years



The ornamental design for a mount plate for supply rolls, substantially as shown.

112,623
DESIGN FOR A MUSICAL INSTRUMENT SIMILAR TO AN OCARINA
Ziegner Swanson, De Kalb, Ill.
Application September 26, 1938, Serial No. 80,095
Term of patent 14 years



The ornamental design for a musical instrument similar to an ocarina, as shown.

112,624
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Seymour Troy, New York, N. Y.
Application May 2, 1938, Serial No. 76,926
Term of patent 3½ years



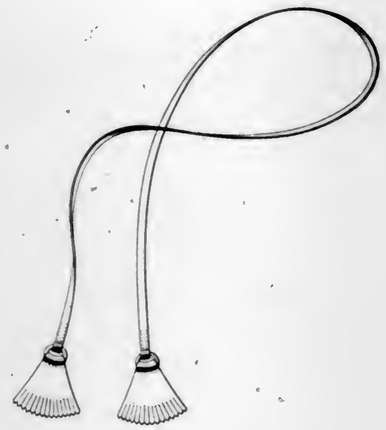
The ornamental design for a shoe or similar article, substantially as shown and described.

112,625
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Aleck E. Wagman, Dorchester, Mass.
Application October 27, 1938, Serial No. 80,712
Term of patent 3½ years



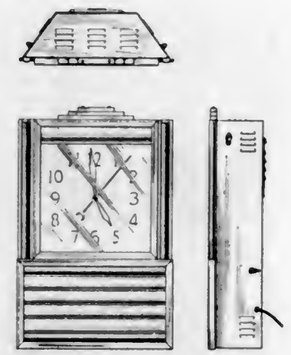
The ornamental design for a shoe or similar article, substantially as shown and described.

112,626
DESIGN FOR A SHOE LACING
Burton L. Wales, Abington, Mass., assignor to The Stetson Shoe Company, Incorporated, Weymouth, Mass., a corporation of Massachusetts
Application September 23, 1938, Serial No. 80,059
Term of patent 3½ years



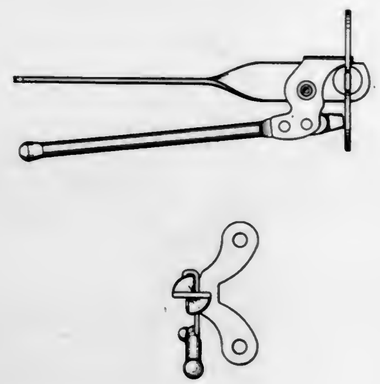
The ornamental design for a shoe lacing, substantially as shown.

112,627
DESIGN FOR AN ADVERTISING CLOCK
Harry Yonofsky and Harold Thorstensen, Brooklyn, N. Y.
Application October 31, 1938, Serial No. 80,791
Term of patent 7 years



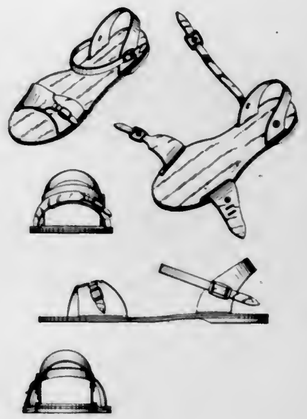
The ornamental design for an advertising clock, as shown.

112,628
DESIGN FOR A CAN OPENER
Myron J. Zimmer, Chicago, Ill.
Application September 16, 1938, Serial No. 79,942
Term of patent 3½ years



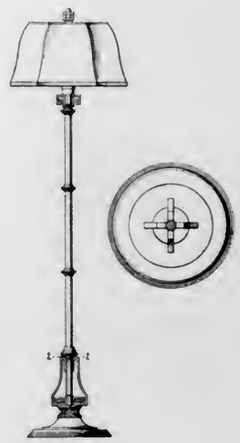
The ornamental design for a can opener, as shown.

112,629
DESIGN FOR AN ADJUSTABLE VAMP SANDAL
Charles Zohlman, New York, N. Y.
Application October 17, 1938, Serial No. 80,509
Term of patent 7 years



The ornamental design for an adjustable vamp sandal, as shown.

112,630
DESIGN FOR A FLOOR LAMP
Earl Altaire, Kansas City, Mo., assignor to Electrical Testing Laboratories, New York, N. Y., a corporation of New York
Application August 11, 1938, Serial No. 79,242
Term of patent 3½ years



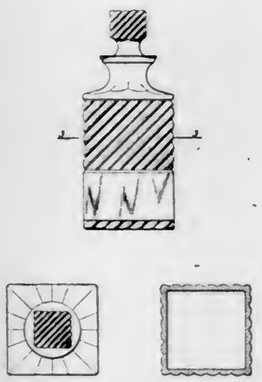
The ornamental design for a floor lamp, as shown.

112,631
DESIGN FOR A TABLE LAMP
Earl Altaire, Kansas City, Mo., assignor to Electrical Testing Laboratories, New York, N. Y., a corporation of New York
Application August 11, 1938, Serial No. 79,243
Term of patent 3½ years



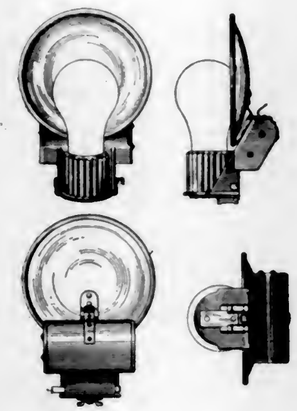
The ornamental design for a table lamp, as shown.

112,632
DESIGN FOR A BOTTLE
Hyman C. Berkowitz, Boston, Mass., assignor to Ben-Burk, Inc., Boston, Mass., a corporation of Massachusetts
Application October 19, 1938, Serial No. 80,562
Term of patent 14 years



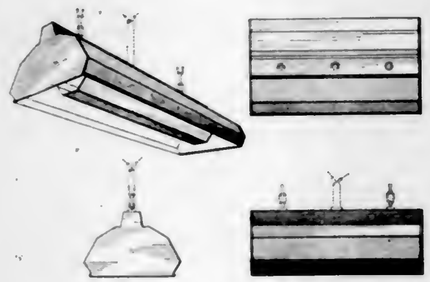
The ornamental design for a bottle, substantially as shown.

112,633
DESIGN FOR A PHOTO FLASH UNIT OR SIMILAR ARTICLE
Otto K. Cazin, Hoboken, N. J., assignor to Universal Camera Corporation, New York, N. Y., a corporation of Delaware
Application November 2, 1938, Serial No. 80,831
Term of patent 14 years



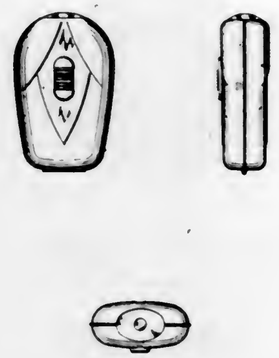
The ornamental design for a photo flash unit or similar article, substantially as shown.

112,634
DESIGN FOR A LIGHTING FIXTURE
George C. Devol, Jr., St. Albans, N. Y., assignor to United Cinephone Corporation, Long Island City, N. Y., a corporation of New York
Application August 13, 1938, Serial No. 79,315
Term of patent 7 years



The ornamental design for a lighting fixture, substantially as shown.

112,635
DESIGN FOR A POCKET FLASHLIGHT
Isaac L. Ferris, Bridgeport, Conn., assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn., a corporation of Connecticut
Application October 17, 1938, Serial No. 80,496
Term of patent 7 years



The ornamental design for a pocket flashlight, substantially as shown and described.

112,636
DESIGN FOR A METALLIC CONTAINER OR SIMILAR ARTICLE
Frank D. Goll and James K. Wareham, New Kensington, Pa., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 6, 1938, Serial No. 76,326
Term of patent 14 years



The ornamental design for a metallic container or similar article, as shown.

112,637
DESIGN FOR AN ASH RECEPTACLE
George A. Greier, College Point, N. Y.
Application August 13, 1938, Serial No. 79,316
Term of patent 3½ years



The ornamental design for an ash receptacle, as shown.

112,638
DESIGN FOR A PERFUME BOTTLE
Jacques Guerin, Paris, France
Application October 15, 1938, Serial No. 80,469
Term of patent 7 years



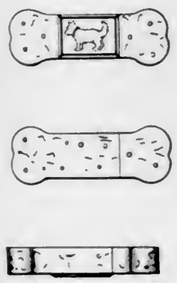
The ornamental design for a perfume bottle, substantially as shown.

112,639
DESIGN FOR A FLOOR LAMP
Jane Higgins, Riverside, R. I., assignor to Electrical Testing Laboratories, New York, N. Y., a corporation of New York
Application August 11, 1938, Serial No. 79,241
Term of patent 3½ years



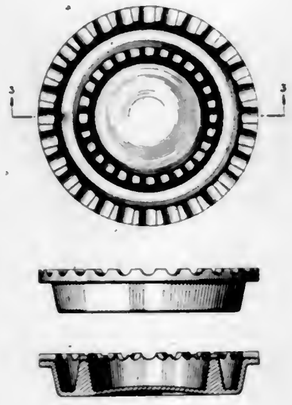
The ornamental design for a floor lamp, as shown.

112,640
DESIGN FOR A TOOTHPICK CASE
Timothy L. Keough, Roxbury, Mass.
Application June 10, 1938, Serial No. 77,721
Term of patent 14 years



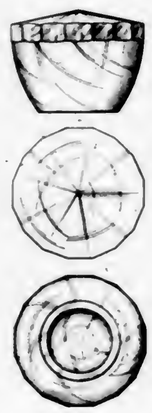
The ornamental design for a toothpick case, as shown.

112,641
DESIGN FOR AN ASHTRAY
Franz Lang, Astoria, Long Island, N. Y.
Application October 24, 1938, Serial No. 80,652
Term of patent 7 years



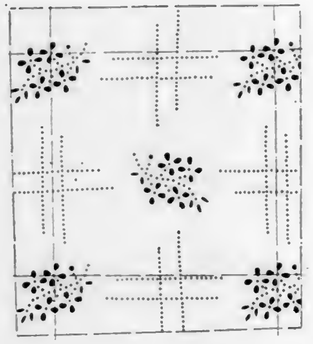
The ornamental design for an ashtray, as shown.

112,642
DESIGN FOR A JAR
Florence N. Lewis, New York, N. Y., assignor to Elizabeth Arden, Inc., New York, N. Y., a corporation of New York
Application June 11, 1938, Serial No. 77,744
Term of patent 14 years



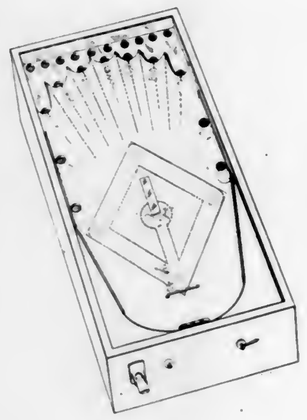
The ornamental design for a jar, as shown.

112,643
DESIGN FOR A TEXTILE FABRIC
George Megibow, New York, N. Y.
Application November 21, 1938, Serial No. 81,252
Term of patent 3½ years



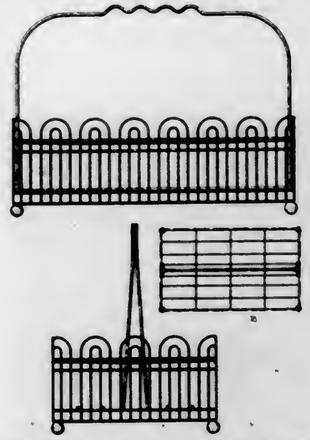
The ornamental design for a textile fabric, substantially as shown and described.

112,644
DESIGN FOR AN AMUSEMENT GAME CABINET
John F. Meyer, Chicago, Ill., assignor to The Exhibit Supply Company, Chicago, Ill., a corporation of Illinois
Application October 20, 1938, Serial No. 80,564
Term of patent 3½ years



The ornamental design for an amusement game cabinet, as shown and described.

112,645
DESIGN FOR A BASKET OR LIKE ARTICLE
Anthony W. Planeta, Linden, N. J.
Application September 16, 1938, Serial No. 79,933
Term of patent 7 years



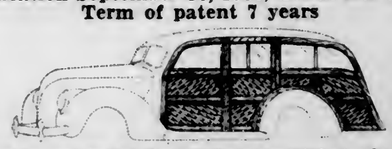
The ornamental design for a basket or like article, as shown.

112,646
DESIGN FOR A STREET LAMP
Hilyard R. Robinson, Washington, D. C., and Aksel J. C. Knudstrup, Vienna, Va.
Application November 10, 1938, Serial No. 81,022
Term of patent 14 years



The ornamental design for a street lamp, as shown and described.

112,647
DESIGN FOR A VEHICLE BODY
Giuseppe Russo, New York, N. Y.
Application September 30, 1938, Serial No. 80,159
Term of patent 7 years



The ornamental design for a vehicle body, substantially as shown and described.

112,648
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Mark Turpan, West Englewood, N. J.
Application November 25, 1938, Serial No. 81,330
Term of patent 3½ years



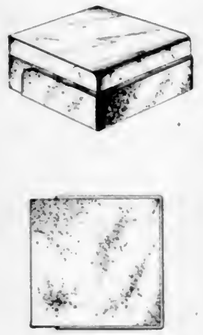
The ornamental design for a textile fabric or similar article, as shown.

112,649
DESIGN FOR A POURING SPOUT CAP
Louie Frank Werner, Delphos, Ohio, assignor to The New Delphos Manufacturing Company, Delphos, Ohio, a corporation of Ohio
Application April 19, 1938, Serial No. 76,599
Term of patent 7 years



The ornamental design for a pouring spout cap, substantially as shown and described.

112,650
DESIGN FOR A COSMETIC BOX
Adam Baker Barnhart, New York, N. Y., assignor to Jacqueline Cochran, doing business as J. C. Laboratories, Roselle, N. J.
Application August 9, 1937, Serial No. 70,946
Term of patent 14 years



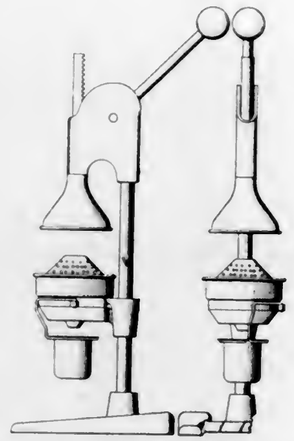
The ornamental design for a cosmetic box, as shown, and described.

112,651
DESIGN FOR A COSMETIC CASE
Adam Baker Barnhart, New York, N. Y., assignor to Jacqueline Cochran, doing business as J. C. Laboratories, Roselle, N. J.
Application August 9, 1937, Serial No. 70,948
Term of patent 14 years



The ornamental design for a cosmetic case, as shown.

112,652
DESIGN FOR A FRUIT JUICE EXTRACTOR
William Cecil, New York, N. Y.
Application September 1, 1938, Serial No. 79,674
Term of patent 3½ years



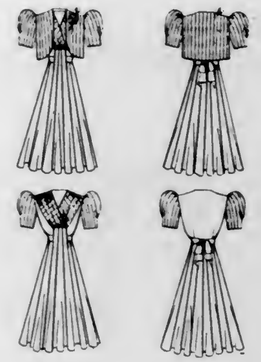
The ornamental design for a fruit juice extractor, as shown.

112,653
DESIGN FOR LACE INSERTION
Joseph Englander, New York, N. Y.
Application October 18, 1938, Serial No. 80,527
Term of patent 3½ years



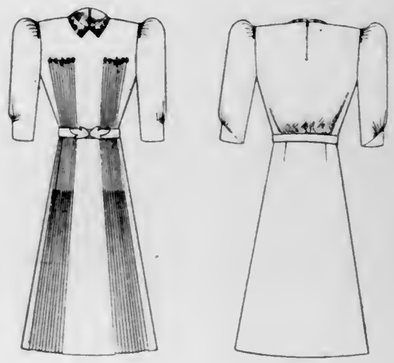
The ornamental design for the lace insertion, as shown.

112,654
DESIGN FOR A DRESS ENSEMBLE
Jack Goldberg, New York, N. Y.
Application November 15, 1938, Serial No. 81,087
Term of patent 3½ years



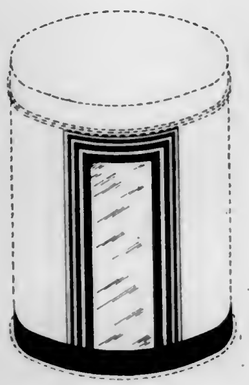
The ornamental design for a dress ensemble, substantially as shown.

112,655
DESIGN FOR A DRESS OR SIMILAR ARTICLE
Lillian Heims, New York, N. Y.
Application November 16, 1938, Serial No. 81,124
Term of patent 3½ years



The ornamental design for a dress or similar article, substantially as shown.

112,656
DESIGN FOR A WINDOWED CANISTER
Richard S. Hirschland, Harrison, N. Y., assignor to Geo. V. Clark Co., Inc., Long Island City, N. Y., a corporation of New York
Application September 21, 1938, Serial No. 80,027
Term of patent 7 years



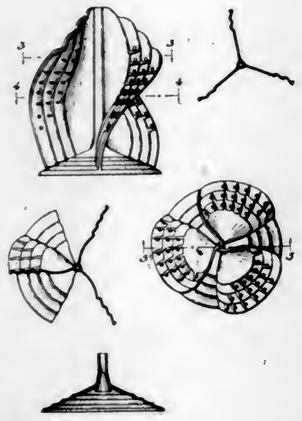
The ornamental design for a windowed canister, substantially as shown and described.

112,657
DESIGN FOR A DRESS
Betty Kessler, New York, N. Y.
Application November 16, 1938, Serial No. 81,128
Term of patent 3½ years



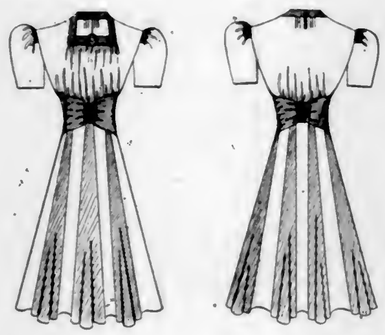
The ornamental design for a dress, substantially as shown and described.

112,658
DESIGN FOR A WASHING MACHINE AGITATOR
James B. Kirby, West Richfield, Ohio, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio, as trustee
Application November 15, 1937, Serial No. 72,860
Term of patent 14 years



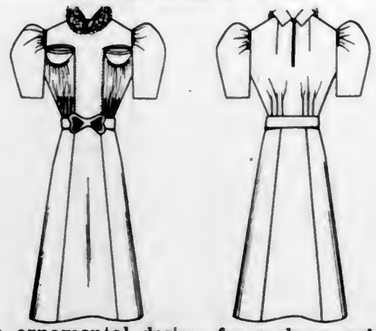
The ornamental design for a washing machine agitator, as shown and described.

112,659
DESIGN FOR A DRESS
Helen Lentini, New York, N. Y.
Application November 15, 1938, Serial No. 81,088
Term of patent 3½ years



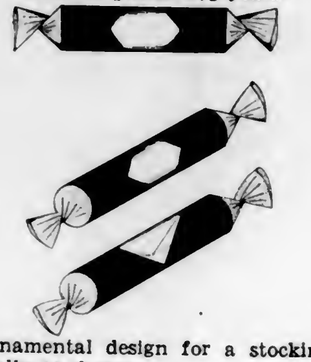
The ornamental design for a dress, substantially as shown.

112,660
DESIGN FOR A DRESS
Michael M. Levine, New York, N. Y.
Application November 10, 1938, Serial No. 81,015
Term of patent 3½ years



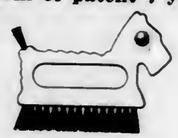
The ornamental design for a dress, substantially as shown.

112,661
DESIGN FOR A STOCKING TUBE
David Lewis, New York, N. Y.
Application August 6, 1938, Serial No. 79,148
Term of patent 3½ years



The ornamental design for a stocking tube, substantially as shown.

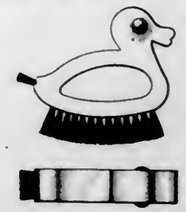
112,662
DESIGN FOR A HAND BRUSH
Melvin H. Partridge, New Rochelle, N. Y., assignor to Ox Fibre Brush Company, Inc., New York, N. Y., a corporation of Delaware
Application November 4, 1938, Serial No. 80,876
Term of patent 7 years





The ornamental design for a hand brush, substantially as shown.

112,663
DESIGN FOR A HAND BRUSH
Melvin H. Partridge, New Rochelle, N. Y., assignor to Ox Fibre Brush Company, Inc., New York, N. Y., a corporation of Delaware
Application November 4, 1938, Serial No. 80,877
Term of patent 7 years



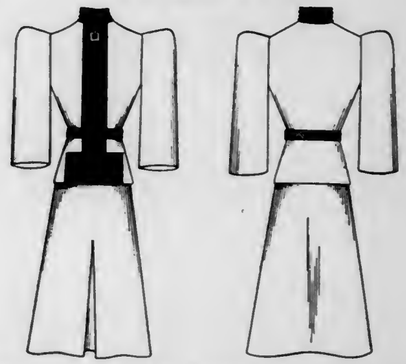
The ornamental design for a hand brush, substantially as shown.

112,664
DESIGN FOR A DRESS
Barney Pearlman, New York, N. Y.
Application November 16, 1938, Serial No. 81,125
Term of patent 3½ years



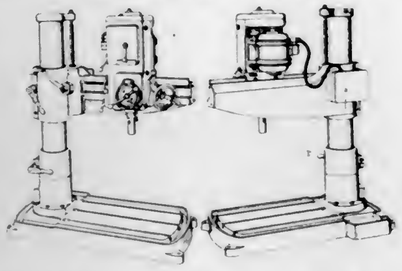
The ornamental design for a dress, substantially as shown.

112,665
DESIGN FOR A DRESS
Pasquale A. Santoro, New York, N. Y.
Application November 8, 1938, Serial No. 80,960
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

112,666
DESIGN FOR A RADIAL DRILL
Lawrence L. Schauer, Wyoming, Ohio, assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio, a corporation of Ohio
Application April 9, 1938, Serial No. 76,411
Term of patent 14 years



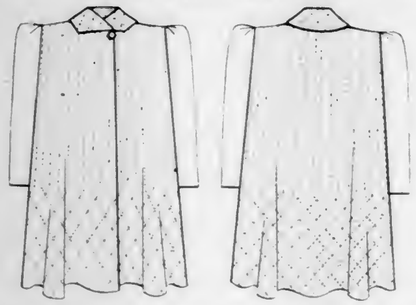
The ornamental design for a radial drill, substantially as shown.

112,667
DESIGN FOR A DRESS
Elizabeth Shell, Festus, Mo.
Application October 19, 1938, Serial No. 80,537
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

112,668
DESIGN FOR A COAT
Abraham Shotland, New York, N. Y.
Application October 12, 1938, Serial No. 80,395
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

112,669
DESIGN FOR A DRESS
Hanna W. Snyder, New York, N. Y.
Application November 10, 1938, Serial No. 81,012
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

112,670
DESIGN FOR A DRESS
Hanna W. Snyder, New York, N. Y.
Application November 10, 1938, Serial No. 81,013
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

112,671
DESIGN FOR A TEXTILE FABRIC
Marvin L. Spirn, Brooklyn, N. Y., assignor to The Eastern Isles Importing Co., New York, N. Y.
Application October 8, 1938, Serial No. 80,330
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

112,672
DESIGN FOR A SKATING DRESS
Murry Weisser, New York, N. Y.
Application November 8, 1938, Serial No. 80,959
Term of patent 3½ years



The ornamental design for a skating dress, substantially as shown.

112,673
DESIGN FOR A DRESS
Murray White, Brookline, Mass.
Application July 18, 1938, Serial No. 78,558
Term of patent 3½ years



The ornamental design for a dress, as shown.

Patents Nos. 2,141,158 to 2,142,079

THE

OFFICIAL GAZETTE

OF THE

United States Patent Office

Vol. 497—No. 4 TUESDAY, DECEMBER 27, 1938 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.

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December 27, 1938

Trade-Marks	137—No.	363,399 to No.	363,535, inclusive.
Labels	21—No.	52,267 to No.	52,287, inclusive.
Prints	6—No.	17,170 to No.	17,175, inclusive.
Reissues	5—No.	20,954 to No.	20,958, inclusive.
Patents	922—No.	2,141,158 to No.	2,142,079, inclusive.
Designs	91—No.	112,674 to No.	112,764, inclusive.
Total	1,182		

Interference Notice

U. S. Patent Office, *Washington, D. C., Dec. 7, 1938.*

Princess Manufacturing Co., its assigns or legal representatives, take notice:

An interference has been declared by this Office between the application of Augusta Knitting Corporation, 700 Broad Street, Utica, N. Y., for registration of a trade-mark, and trade-mark registered February 14, 1928, No. 238,678, to Princess Manufacturing Co., 116 Mitchell Street, S. E., Atlanta, Ga. A notice of such proceeding sent by registered mail to said Princess Manufacturing Co. at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Princess Manufacturing Co., its assigns or legal representatives, shall enter an appearance within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Adjudicated Patents

(D. C. N. J.) Bertelsen patent, No. 1,607,047, for method of making artificial cork, *Held* valid if strictly construed and not infringed. *Armstrong Cork Co.* v. *United Cork Co.*, 24 F. Supp. 913.

(D. C. Pa.) Ousdahl patent, No. 1,886,577, for coal burning apparatus, *Held* not infringed. *Gardiner* v. *Freed Heater & Mfg. Co.*, 24 F. Supp. 948.

(App. D. C.) Joerissen reissue patent, No. 19,076, for typewriting machine, claims 23 to 28 *Held* not infringed. *Joerissen* v. *Remington Rand*, 99 F.(2d) 366.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,074,601, I. M. Wells, Road-grader moldboard control means, decided December 7, 1938, claim 4.

Pat. 2,086,168, D. R. Merrill, Process for the solvent extraction of petroleum oils, decided December 2, 1938, claims 3 and 4.

Disclaimers

1,910,756.—*Hugh E. Dierker,* Ocean Park, Calif. Colon Irrigator. Patent dated May 23, 1933. Disclaimer filed October 31, 1938, by the patentee.

Hereby enters this disclaimer to claims 8 and 9 in said Letters Patent.

2,048,168.—*John D. Pollard,* Baltimore, Md. Nitrated Ortho-Alkyl-Phenolic Compounds. Patent dated July 21, 1936. Disclaimer filed December 3, 1938, by the assignee, *The Dow Chemical Company.*

Hereby enters this disclaimer to claim 4 of the above-identified patent.

2,139,614.—*Walter E. Amberg,* Chicago, Ill. Method and Machine for Making Paper Cups. Patent dated December 6, 1938. Disclaimer filed December 8, 1938, by the assignee, *Universal Paper Products Company;* the patentee, approving.

Hereby enters this disclaimer to claim 12 in said specification.

Condition of Applications Under Examination at Close of Business December 10, 1938

(Total number of applications awaiting action, excluding Trade-Mark Division, 44,813; Trade-Mark Division, 1,376. Oldest new case, March 15, 1938; oldest amended, March 23, 1938.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	June 20	June 22	797
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	June 21	June 27	788
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Oct. 14	Oct. 12	322
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	July 18	July 15	547
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Sept. 12	Sept. 14	517
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	June 9	June 15	1130
5725	7. JARBOE, C. G., Optics; Photography	Sept. 2	Sept. 2	943
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Aug. 4	Aug. 1	936
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Sept. 1	Sept. 9	541
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Aug. 30	Sept. 16	536
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Aug. 29	Aug. 31	459
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	Mar. 15	Mar. 23	787
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	July 26	July 26	642
5097	14. YUNG KWAI, B., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Sept. 26	Sept. 22	459
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Aug. 1	Aug. 1	1097
5716	16. SPENCER, C. J., Telegraphy; Telephony	June 20	June 19	793
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding, Sheet or Web Feeding; Type Setting.	July 18	July 16	631
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	June 29	June 28	577
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Aug. 8	Aug. 10	651
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Sept. 14	Sept. 23	378
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Sept. 12	Sept. 9	441
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Aug. 25	Aug. 29	628
7624	23. BUTTNER, W. J., Registers (part)	May 14	May 16	312
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Sept. 20	Sept. 23	531
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Aug. 20	Aug. 25	498
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Aug. 11	Aug. 13	596
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment	June 8	June 4	1115
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	July 12	July 9	519
5082	29. SIKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	July 8	June 25	727
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	June 18	June 18	832
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Sept. 10	Sept. 10	632
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Sept. 6	Sept. 6	554
6096	33. WYMAN, W. L., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Aug. 1	Aug. 18	849
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	Sept. 1	Sept. 8	280
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Aug. 6	Aug. 9	714
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	July 2	July 5	622
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	May 27	June 9	835
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	June 1	June 1	615
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Aug. 6	July 26	566
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	July 12	July 13	1358
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Aug. 23	Aug. 15	243
5882	42. CUTTING, H. O., Electric Signaling	May 2	Apr. 15	761
4886B	43. KLINGE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	July 21	July 21	504
4087B	44. HARVEY, L. P., Refrigeration	July 20	July 7	678
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	July 14	July 27	735
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	July 19	July 23	667
6082	47. LOWE, E. R., Clutches; Brakes	Aug. 10	Aug. 2	497
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Aug. 25	Aug. 25	495
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Apr. 28	May 2	1055
4701	50. BLAKE, C. L., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	June 25	June 27	1105
5628	51. BACKUS, C. D., Radiant Energy (part)	Aug. 24	Aug. 24	803
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Sept. 6	Sept. 13	765
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Sept. 1	Sept. 9	619
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Aug. 27	Sept. 2	413
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	June 8	June 2	1300
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	July 11	July 11	1068
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Aug. 2	July 15	480
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Aug. 26	Aug. 15	350
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Aug. 24	Aug. 29	725
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	July 26	Aug. 6	521
6724	61. LAMAN, JAMES (Act.), Laminated Electrical Insulation; Belt, Hose, Tire, Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	June 17	June 20	596
5621	62. PUGH, E. C., Games; Geometrical Instruments	Sept. 8	Sept. 14	494
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Aug. 10	Aug. 10	499
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	July 20	July 20	1044
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	June 14	July 2	645
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND {Trade-Marks	Nov. 8	Nov. 26	1269
	{Labels and Prints	Nov. 26	Nov. 25	107
2605	Designs: H. H. KALUPY	Oct. 21	Nov. 21	996

DECISIONS IN PATENT AND TRADE-MARK CASES

Supreme Court of the United States

GENERAL TALKING PICTURES CORP.
v.
WESTERN ELECTRIC CO., INC., ELECTRIC RESEARCH PRODUCTS, ET AL.

No. 1. Decided November 21, 1938

PATENTS—INFRINGEMENT—RESTRICTIVE LICENSE.

Where a manufacturer holding a license from a patentee to manufacture and sell amplifiers solely for use in radio amateur receptions, radio experimental reception and radio broadcast reception, sold amplifiers to a purchaser knowing they were to be used in the commercial field of sound recording and reproducing and where the purchaser knew that the manufacturer was not licensed to make or sell the amplifiers for the last named uses, *Held* that the amplifiers were not manufactured and sold under the patent and did not pass into the hands of the purchaser in the ordinary channels of trade and *Held* that both the manufacturer and the purchaser are infringers of the patent.

ON WRIT of certiorari to the Circuit Court of Appeals for the Second Circuit. Affirmed.

BLACK and REED, *JJ.*, dissenting.

Mr. Samuel E. Darby, Jr., and *Mr. Ephriam Berliner* (*Mr. Joseph J. Zeiger*, with them on the brief) for petitioner.

Mr. Merrell E. Clark (*Mr. Henry R. Ashton*, *Mr. F. T. Woodward*, *Mr. H. A. Pattison*, and *Mr. E. J. Driscoll* with him on the brief) for respondents.

Mr. Robert H. Jackson, Solicitor General, *Mr. Thurman Arnold*, Assistant Attorney General, *Mr. Charles E. Clark*, and *Mr. Therold Johnson Deyrup* filed brief for United States as amicus curiae.

Mr. Justice BRANDEIS delivered the opinion of the Court.

In this case, we affirmed on May 2, 1938 (304 U. S. 175), the judgment of the circuit court of appeals (91 F.(2d) 922), which held that respondents had infringed certain patents relating to vacuum tube amplifiers. On May 31st, we granted a rehearing (304 U. S. —), upon the following questions which had been presented by the petition for certiorari.

1. Can the owner of a patent, by means thereof, restrict the use made of a device manufactured under the patent, after the device has passed into the hands of a purchaser in the ordinary channels of trade, and full consideration paid therefor?

2. Can a patent owner, merely by a "license notice" attached to a device made under the patent, and sold in the ordinary channels of trade, place an enforceable restriction on the purchaser thereof as to the use to which the purchaser may put the device?

Upon further hearing we are of opinion that neither question should be answered. For we find that, while the devices embody the inventions of the patents in suit, they were not manufactured or sold "under the patent[s]" and did not "pass into the hands of a purchaser in the ordinary channels of trade."

These are the relevant facts. Amplifiers embodying the invention here involved are useful in several distinct fields. Among these is (*a*) the commercial field of sound recording and reproducing, which embraces talking picture equipment for theatres, and (*b*) the private or home field, which embraces radio broadcast reception, radio amateur reception and radio experimental reception. For the commercial field exclusive licenses had been granted by the patent pool to Western Electric Company and Electrical Research Products, Inc. For the private or home field the patent pool granted non-exclusive licenses to about fifty manufacturers. Among these was American Transformer Company. It was licensed—

"solely and only to the extent and for the uses hereinafter specified and defined . . . to manufacture . . ., and to sell . . . only for radio amateur reception, radio experimental reception and radio broadcast reception . . . licensed apparatus so manufactured by the licensee. . . ."

The license provided further:

"Nothing herein contained shall be regarded as conferring upon the licensee either expressly or by estoppel, implication or otherwise, a license to manufacture or sell, any apparatus except such as may be manufactured by the licensee in accordance with the express provision of this agreement."

Transformer Company, knowing that it had not been licensed to manufacture or to sell amplifiers for use in theatres as part of talking picture equipment, made for that commercial use the amplifiers in controversy and sold them to Pictures Corporation for that commercial use. Pictures Corporation ordered the amplifiers and purchased them knowing that Transformer Company had not been licensed to make or sell them for such use in theatres. Any use beyond the valid terms of a license is, of course, an infringement of a patent. Robinson on Patents, § 916. If where a patented invention is applicable to different uses, the owner of the patent may legally restrict a licensee to a particular field and exclude him from others, Transformer Company was guilty of an infringement when it made the amplifiers for, and sold them to, Pictures Corporation. And as Pictures Corporation ordered, purchased and leased them knowing the facts, it also was an infringer.

The question of law requiring decision is whether the restriction in the license is to be given effect. That a restrictive license is legal seems clear. *Mitchell* v. *Hawley*, 16 Wall. 544. As was said in *United States* v. *General Electric Co.*, 272 U. S. 476, 489, the patentee may grant a license—

"upon any condition the performance of which is reasonably within the reward which the patentee by grant of the patent is entitled to secure."

The restriction here imposed is of that character. The practice of granting licenses for a restricted use is an old one, see *Rubber Company* v. *Goodyear*, 9 Wall. 788, 799, 800; *Gamewell Fire-Alarm Telegraph Co.* v. *Brooklyn*, 14 Fed. 255. So far as appears, its legality has never been questioned. The parties stipulated that—

"it is common practice where a patented invention is applicable to different uses, to grant written licenses to manufacture under United States Letters Patents re-

stricted to one or more of the several fields of use permitting the exclusive or non-exclusive use of the invention by the licensee in one field and excluding it in another field."

As the restriction was legal and the amplifiers were made and sold outside the scope of the license, the effect is precisely the same as if no license whatsoever had been granted to Transformer Company. And as Pictures Corporation knew the facts, it is in no better position than if it had manufactured the amplifiers itself without a license. It is liable because it has used the invention without license to do so.

We have consequently no occasion to consider what the rights of the parties would have been if the amplifier had been manufactured "under the patent" and "had passed into the hands of a purchaser in the ordinary channels of trade". Nor have we occasion to consider the effect of a "licensee's notice" which purports to restrict the use of articles lawfully sold.

Affirmed.

Mr. Justice ROBERTS took no part in the consideration or decision of the case.

BLACK, *J.*, (dissenting).

Almost a century ago, this Court asserted, and time after time thereafter it has reasserted, that when an article described in a patent is sold and—

"passes to the hands of a purchaser, it is no longer within the limits of the monopoly. It passes outside of it, and is no longer under the protection of the act of Congress. . . . Contracts in relation to it are regulated by the laws of the State, and are subject to State jurisdiction."[1]

A single departure from this judicial interpretation of the patent statute[2] was expressly overruled within five years, and this Court again reasserted that commodities—once sold—were not thereafter "subject to conditions as to use" imposed by patent owners.[3] In result, the judgment here is a second departure from the traditional judicial interpretation of the patent laws.

As a consequence of the return to the interpretation of the patent statutes previously repudiated and expressly overruled, petitioner is enjoined from making full use of, and must account in triple damages for using, tubes and amplifiers which he owns. He became the owner of the tubes by purchase from various retailers authorized by respondents to sell in the open market. He became the owner of the amplifiers by purchase from a manufacturer who—having the complete right to make them—had contracted to sell only for limited uses.[4] The departure here permits the patentee—by virtue of his contract with the manufacturer—to restrict the uses to which this purchaser and owner may put his tubes and amplifiers.

Transformer Company was authorized by the patentee to make and to sell amplifiers. It did make such amplifiers—of a standard type usable in many fields,[5] they became its property when

[1] *Bloomer* v. *McQuewan et al.*, 14 How. 539, 549–50; see, *Chaffee* v. *Boston Belting Co.*, 22 How. 217, 223; *Mitchell* v. *Hawley*, 16 Wall. 544, 547; *Adams* v. *Burke*, 17 Wall. 453; *Wade* v. *Metcalf*, 129 U. S. 202, 205; *Boesch* v. *Graff*, 133 U. S. 697, 702; *Hobbie* v. *Jennison*, 149 U. S. 355; *Morgan Envelope Co.* v. *Albany Paper Co.*, 152 U. S. 425; *Keeler* v. *Standard Folding Bed Co.*, 157 U. S. 659; *Bauer* v. *O'Donnell*, 229 U. S. 1; *Straus* v. *Victor Talking Machine Co.*, 243 U. S. 490; *Motion Picture Co.* v. *Universal Film Co.*, 243 U. S. 502; *Boston Store* v. *Amer. Gramaphone Co.*, 246 U. S. 8. The rule asserted in these cases is in accord with the views of Thomas Jefferson who served as a member of the first Patent Board established by the first Patent Act of 1790 (1 Stat. 109) and who also drafted the comprehensive Patent Law of 1793 (1 Stat. 318). See, "The Jeffersonian Cyclopedia", p. 680 (Funk and Wagnalls, 1900). The acts of 1790 and 1793 granted patentees for fourteen years the exclusive right "of making, constructing, using and vending to others to be used". Mr. Jefferson, referring to the general rules adopted by the first Patent Board, said: "One of those [rules] was that a machine *of which we were possessed might be applied by every man to any use of which it is susceptible* and that this right ought not to be taken from him and given to a monopolist, because the first perhaps had occasion so to apply it. Thus a screw for crushing plaster might be employed for crushing corn-cobs. And a chain pump for raising water might be used for raising wheat; this being merely a change of application." "The Writings of Thomas Jefferson", Vol. VI, H. A. Washington, editor, p. 181 (Published by order of the Joint Committee of Congress on the Library, 1861). After the Patent Board's duties devolved upon the courts, Mr. Jefferson suggested that the rule be "adopted by the judges" that *"the purchaser of the right to use the invention should be free to apply it to every purpose of which it is susceptible."* Id., p. 372. [Italics supplied.]

United States v. *General Electric Co.*, 272 U. S. 476, relied on by the majority here, was not a suit for infringement of a patent, but was an action by the United States under the anti-trust laws. The opinion was written by Chief Justice Taft and applied some of the reasoning of the Button-Fastener case, 77 Fed. 288, in which he had agreed as Circuit Judge to the opinion of Circuit Judge Lurton. Later, this Court in *Henry* v. *Dick Co.*, 224 U. S. 1, with the then Justice Lurton writing the opinion, followed the Button-Fastener case. *Motion Picture Co.* v. *Universal Film Co.*, supra, expressly overruled and repudiated the doctrine of the Dick case. In effect, the judgment here once more revives the doctrine of the Button-Fastener case.

The majority opinion also relies upon *Mitchell* v. *Hawley*, supra. It is significant that in the Hawley case the patentee never licensed or transferred his exclusive right to sell; and the license conveyed only "the exclusive right to make, and use 'and to license to others the right to use . . .'" 16 Wall., at 548. That case, therefore, does not justify the judgment here where the patentee's power to vend was both transferred and exercised.

[2] *Henry* v. *Dick Co.*, 224 U. S. 1, decided March 11, 1912.

[3] *Motion Picture Co.* v. *Universal Film Co.*, supra, 516. Similarly, the exercise of the right to vend exhausts the right under a patent to control the price at which an article claimed in the patent may subsequently be sold. *Bauer* v. *O'Donnell*; *Straus* v. *Victor Talking Machine Co.*; *Boston Store* v. *American Gramaphone Co.*, supra.

[4] License Agreement. ". . . That whereas the licensors represent that they severally own and/or have the right to grant licenses under various United States Letters Patent relating to power supply and to power amplifier units, hereinafter termed licensed apparatus, . . .

"1. Each of the licensors hereby grants under all of the United States Patent useful in the licensed apparatus, owned by it and/or with respect to which it has the right to grant licenses, . . . solely and only to the extent and for the uses hereinafter specified and defined, a personal, indivisible, non-transferable and non-exclusive license to the licensee to *manufacture* at its factory . . . ; and not elsewhere without previous written permission obtained from the Radio Corporation, and *to sell only for radio amateur reception, radio experimental reception, and radio broadcast reception* throughout the United States and its territories or dependencies, licensed apparatus so manufactured by the licensee, . . ." [Italics supplied.] Reasonably interpreted, this contract grants the right to make everything described in the patents; the sole limitation on the right to make relates to the place of manufacture. The contract grants the right to sell the manufactured articles with an attempt by notice to restrict their use in the hands of owners to whom they are sold.

[5] One of respondents' officials testified: "These things, these vacuum tubes and the circuits on which we have patents, are useful in various of these fields and applicable to many fields. And if we granted licenses not restricted to any particular field, the same things could be used in these other fields." The injunction sustained here was decreed by the district judge on the basis of his conclusion that the amplifiers put to commercial use by petitioner could also be used "for experimental or radio amateur use" as the patentee had desired. 16 F. Supp. 303. Thus, it appears that the very amplifiers made and sold to petitioner were suitable for all "fields".

made, were sold to and became the property of petitioner. The prior opinion in this case, both courts below and the opinion on this rehearing, all refer to the transaction between Transformer Company and petitioner as a sale. Even the very contract authorizing the Transformer Company to make and sell the amplifiers provided—

"That for the purpose of this agreement all licensed apparatus shall be considered as 'sold' when the licensed apparatus has been billed out, or if not billed out, when it has been delivered, shipped, or mailed."

Notice to the purchaser in any form could not—under the patent law—limit or restrict the use of the amplifiers after they were sold[6] and knowledge by both vendor and purchaser that the articles were purchased for use outside the "field" for which the vendor had been given the right to sell, made the transaction between them no less a sale.[7] Had petitioner—after making the purchase—decided not to use these amplifiers in the forbidden fields, or had they been destroyed prior to such use, certainly the mere state of mind of the parties at the time of sale would not have made them both infringers.

Indeed, petitioner could use the amplifiers at all only in combination with tubes which it purchased on the open market from retailers authorized by respondents to sell. Therefore, even if the state of mind of vendor and purchaser were material, Transformer Company could be considered an infringer only because it sold a commodity which might—depending on possible events after the sale—be used in infringing combination with another lawfully purchased commodity. The patent law was not intended to accomplish such result.[8]

Petitioner has persistently contended throughout this litigation that no existing trade practice permits a patentee—under guise of a "license"—to extend his monopoly to commodities after sale, and has not stipulated otherwise.[9] Neither stipulation nor practice could justify extension of patent monopoly beyond the limits of legality fixed by Congress and recognized by this Court for over three-quarters of a century.

"The statutory authority to grant the exclusive right to 'use' a patented machine . . . is precisely the same, as the authority to grant the exclusive right to 'vend' . . ."[10]

A widespread practice of restricting the resale price of articles described in patents[11] did not prevent this Court from holding that once the statutory right to vend has been exercised—

"the added restriction is beyond the protection and purpose of the act."[12]

Similarly, a—

"common practice . . . to grant written licenses . . . restricted to one or more . . . fields of . . . use"

cannot prevent the application of—

"that line of cases in which this Court has from the beginning held that a patentee who has parted with a patented machine by passing title to a purchaser has placed the article beyond the limits of the monopoly secured by the patent act."[13]

Mr. Justice REED joins in this dissent.

[6] "The statutes relating to patents do not provide for any such notice and it can derive no aid from them." Motion Picture Co. case, supra, 509; *Bauer* v. *O'Donnell*, supra; Straus case, supra; Boston Store case, supra; *Carbice Corporation* v. *American Patents Corp.*, 283 U. S. 27.

[7] *Hobbie* v. *Jennison*, supra; Keeler case, supra; Straus case, supra.

[8] Cf., *Morgan Envelope Co.* v. *Albany Paper Co.*, supra.

[9] The negotiations for stipulation were as follows:

"Mr. Neave: Mr. Darby, will you agree that it is common practice where a patented invention is applicable to different uses, to grant written licenses under United States patents restricted to one or more of the several fields of use, permitting exclusive or non-exclusive use of the invention by the licensee in one field and excluding its use in another field?

"Mr. Darby: I do not agree. As a matter of fact I believe that just the opposite or the contrary is true."

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"Mr. Darby: . . . Mr. Ashton called me up and told me that Mr. W. H. Davis had entered into such a stipulation in the Independent Wireless case, and asked me if I would do the same thing. I told him I 'could not conscientiously, because not only could I not agree that that was the common practice, but I know I thoroughly disagree with whether it was or not. In other words I was confident that was not the common practice. In my own case, I know I would not allow my own clients to do it, because I did not think it was legal."

• • • • • • • •

"Mr. Darby: I am willing to stipulate it, if it will be of any assistance to Mr. Ashton, that it is, if he tells me it is, the common practice of the Western Electric Company and the Radio Corporation to do that."

• • • • • • • •

"Mr. Darby: It is stipulated that it is common practice where a patented invention is applicable to different uses, to grant written licenses to manufacturers under United States Letters Patents restricted to one or more of the several fields of use permitting the exclusive or non-exclusive use of the invention by the licensee in one field and excluding its use in another field. I stipulate that and I urge, however, objection to its receipt for any evidential purpose, as irrelevant and immaterial what the common practice is, on the issue of law as to whether or not it is legal."

[10] Motion Picture Co. case, supra, 516.

[11] See, "Emancipation of Patented Articles", Walter H. Chamberlin, 6 Ill. Law Review, 357.

[12] Bauer case, supra, 17.

[13] Id.

U. S. Court of Appeals for the District of Columbia

MINNESOTA MINING AND MANUFACTURING COMPANY

v.

COE, COMMISSIONER OF PATENTS

No. 6,941. Decided August 15, 1938
Rehearing denied December 9, 1938

PATENTABILITY—SANDPAPER.

Certain claims of reissue application relating to abrasive material in the nature of sandpaper *Held* unpatentable.

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. William H. Abbott and *Mr. H. H. Benjamin* for Minnesota Mining and Manufacturing Company.

Mr. R. F. Whitehead for the Commissioner of Patents.

By leave of Court, *Mr. Frank E. Liverance, Jr.*, and *Mr. John Boyle, Jr.*, filed a brief as amicus curiae.

Before GRONER, STEPHENS, and MILLER, Associate Justices

MILLER, *A. J.*:

This is a companion case to *Minnesota Mining and Manufacturing Co.* v. *Coe*, (No. 6940, decided this day). The application for reissue herein, involved claims for the waterproof sheet abrasive material itself—whereas the application in No. 6940 involved process claims. The decree of the lower court in this case must be affirmed for the reasons set forth in our opinion in No. 6940. Consequently, it is not necessary for us to consider the additional objections urged by the Commissioner against the claims here in issue, or the procedural questions presented by appellant in response thereto.

Affirmed.

U. S. Court of Appeals for the District of Columbia

MINNESOTA MINING AND MANUFACTURING COMPANY

v.

COE, COMMISSIONER OF PATENTS

No. 6,940. Decided August 15, 1938

1. PATENTABILITY—INVENTION NECESSARY—MERE IMPROVEMENT INSUFFICIENT.

"Although the Klein and Brown process may have constituted an improvement, yet all improvement is not invention and entitled to protection as such. To constitute invention i mprovement must involve something more than what is obvious to persons skilled in the art to which it relates."

2. SAME—COPENDING PATENTS—EFFECT OF—ALEXANDER MILBURN CO. *v.* DAVIS-BOURNONVILLE CO., 270 U. S. 390, CONSTRUED.

Holding made in *Alexander Milburn Co.* v. *Davis-Bournonville Co.*, 270 U. S. 390, *Held* not authority solely for the proposition that a copending reference may be relied upon to defeat a claim of first invention only when it alone gives a complete and adequate description of the thing for which the later applicant seeks a patent. "• • • such a conclusion cannot properly be drawn from that case, even though it chanced that the application therein did give a complete and adequate description of the thing patented to the later applicant. The important consideration was that the co-pending application disclosed knowledge upon the part of the earlier applicant inconsistent with the allowance of the later applicant's claim."

3. SAME—SAME.

In determining the effect of patents issuing on applications copending with and filed earlier than that on which a patent is sought it is disclosure of knowledge inconsistent with a later claim of first invention which is important. "• • • it is immaterial—if a disclosure actually occurs—whether it results from a description in a single co-pending application, from descriptions in several such applications, or from descriptions in co-pending applications together with descriptions in previously issued patents. Prior knowledge, clearly revealed is repugnant to the claim of first invention."

4. SAME—PROCESS FOR MAKING SANDPAPER.

Applicants for patent on a process of making sandpaper *held* not the first inventors in view of disclosures in patents granted to others on prior copending applications. (*Hazeltine Corp.* v. *Coe*, 87 F.(2d) 558, 66 App. D. C. 341, 343, distinguished.)

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. William H. Abbott and *Mr. H. H. Benjamin* for Minnesota Mining and Manufacturing Company.

Mr. R. F. Whitehead for the Commissioner of Patents.

By leave of Court, *Mr. Frank E. Liverance, Jr.*, and *Mr. John Boyle, Jr.*, filed a brief as amicus curiae.

Before GRONER, STEPHENS, and MILLER, Associate Justices

MILLER, *A. J.*:

On October 28, 1925, Klein and Brown, appellant's predecessors in interest, applied for a patent upon a process for the manufacture of waterproof sheet abrasive material, in the nature of sandpaper. On October 9, 1928, a patent was issued to them containing four claims. Subsequent thereto Klein and Brown surrendered their patent, alleging the specification to be defective and insufficient; and on October 2, 1930, they applied for its reissue. This application, as amended, contained the original claims and several additional ones. The claims, which were the same as those contained in the original patent, were allowed by the Patent Office, and the others were rejected. Appellant, appearing as assignee in interest of Klein and Brown, brought suit under § 4915, R. S. (35 U. S. C. A. § 63); and the lower court, in its decree dismissing appellant's bill, held that the rejected claims in suit were unpatentable. In our view the decision of the lower court was correct.

On this appeal, appellant has withdrawn all claims except three, which are printed in the margin.[1]

[1] In support of its position that the claims in suit were lacking in invention, the Board of Appeals of the Patent Office relied upon ten references, consisting of patents granted from 1872 to 1930. The lower court relied particularly upon patents to Okie, 1,565,028, December 8, 1925; 1,581,657, April 20, 1926; 1,635,801, July 12, 1927; and Reissue 17,593 February 11, 1930; the British patent to White, 209,872, January 24, 1924; and patents to Martin, Reissue 17,739 and 17,740, both of July 22, 1930; and made findings of fact, among others, as follows:

5. The patents to Okie, Nos. 1,565,028, 1,581,657, 1,635,801 and Reissue 17,593 disclose flexible abrasive articles, in the nature of sandpaper, and the process for making the same, in which a resinous binder, consisting of a resin or gum with a suitable vehicle such as Chinawood oil, is applied to a paper backing, abrasive is applied to the binder, with the use of pressure, if desired, and the sheet dried.

6. The British patent to White, No. 209,872, discloses a process for making a waterproof article, in the nature of sandpaper, in which the paper backing is immersed in a bath of cotton seed oil and thinned, if necessary, with benzine, applying thereto a varnish containing resinous material, applying abrasive to the varnish, and drying the article by baking.

7. The patents to Martin, Reissue Nos. 17,739 and 17,740, disclose abrasive disks to be used in machines known as "disk grinders" and the process for making the same, by applying to the backing of cloth or paper a mixture of abrasive grains and a resinous material, which may be shellac, and then subjecting the article to heat and pressure in a mold.

An examination of the references relied upon by the lower court reveals that the findings above quoted were proper. Although the Klein and Brown process may have constituted an improvement, yet all improvement is not invention and entitled to protection as such. To constitute invention improvement must involve something more than what is obvious to persons skilled in the art to which it relates. *Pearce* v. *Mulford*, 102 U. S. 112, 118, 18 O. G. 1223. These principles have been many times stated in the cases, and there is nothing in the facts as they appear in the record to make such principles inapplicable in the present case. See *Atlantic*

[1] "5. The process of making sandpaper which includes consolidating a free grit or layer of abrasive particles and a coating of bonding agent including essentially a fusible resinous material upon a backing while heating same."

"12. In the process of making a waterproof sandpaper the steps which include overlying abrasive particles upon a flexible backing in sheet form with a coating of a fusible binder including essentially a resinous material, the binder being in the unfused condition by chilling, and then consolidating the bonding agent and abrasive particles, finally solidifying the resinous binder so consolidated."

"19. The method of forming an abrasive article in the nature of sandpaper which comprises applying a binder coating of a substantially vehicle-free fusible binder to a flexible carrier, applying a grit or layer of abrasive to the carrier to be deposited in an unbonded condition, and fusing said binder to bond the abrasive to the carrier and maintain the composition flexible."

Works v. *Brady*, 107 U. S. 192, 200, 23 O. G. 1330; *Railroad Supply Co.* v. *Elyria Iron & Steel Co.*, 244 U. S. 285, 293, 239 O. G. 656.

But appellant contends that the applications upon which patents issued to Okie and Martin—and which are among the references relied upon by the lower court—were co-pending in the Patent Office with the Klein and Brown original application, upon which the reissue application in the present case is based; and that such co-pending references cannot be combined with each other and with other references to anticipate the claimed invention. We assume, without deciding, that this question is properly before us.[2]

In *Alexander Milburn Co.* v. *Davis-Bournonville Co.*, 270 U. S. 390, 344 O. G. 817, a similar question arose in connection with an alleged infringement of a patent issued to one Whitford. The defendant in that case relied upon a patent issued to one Clifford and contended that Whitford was not the first inventor of the thing patented. Clifford's application was filed on January 31, 1911; Whitford's application was filed on March 4, 1911. A patent was issued to Clifford on February 6, 1912; a patent was issued to Whitford on June 4, 1912. Clifford's application gave a complete and adequate description of the thing patented to Whitford, but did not claim it. The court held that Whitford was not the first inventor and hence not entitled to a patent. It declined to accept the reasoning of the circuit court of appeals distinguishing between a patent and an application in effecting a disclosure.

[2] Appellant would distinguish the Milburn Co. case on the theory that its holding depends upon a showing that the invention in controversy is the previous invention of someone other than the claimant; hence, that the case is authority solely for the proposition that a co-pending reference may be relied upon to defeat a claim of first invention, only, when it, alone, gives a "complete and adequate description" of the thing for which the later applicant seeks a patent. But such a conclusion cannot properly be drawn from that case, even though it chanced that the application therein did give a complete and adequate description of the thing patented to the later applicant. The important consideration was that the co-pending application disclosed knowledge upon the part of the earlier applicant inconsistent with the allowance of the later applicant's claim. The court used the analogies of disclosure by publication in a periodical and of disclosure by issuance of a patent. It stated (p. 400) that the invention was made public property as much in the one case as the other, and then continued:

. . . But if this be true, as we think that it is, it seems to us that a sound distinction cannot be taken between that case and a patent applied for before but not granted until after a second patent is sought. The delays of the Patent Office ought not to cut down the effect of what has been done. The *description* shows that Whitford was not the first inventor. Clifford had done all that he could do to make his description public. He had taken steps that would make it public as soon as the Patent Office did its work, although, of course, amendments might be required of him before the end could be reached. We see no reason in the words or policy of the law for allowing Whitford to profit by the delay and make himself out to be the first inventor when he was not so in fact, when *Clifford had shown knowledge inconsistent with the allowance of Whitford's claim*, [*Webster*] *Loom Co.* v. *Higgins*, 105 U. S. 580, and when otherwise the publication of his patent would abandon the thing described to the public unless it already was old. *McClain* v. *Ortmayer*, 141 U. S. 419, 424. *Underwood* v. *Gerber*, 149 U. S. 224, 230.

The question is not whether Clifford showed himself by the description to be the first inventor. By putting it in that form it is comparatively easy to take the next step and say that he is not an inventor in the sense of the statute unless he makes a claim. *The question is whether Clifford's disclosure made it impossible for Whitford to claim the invention at a later date.* The disclosure would have had the same effect as at present if Clifford had added to his description a statement that he did not claim the thing described because he abandoned it or because he believed it to be old. *It is not necessary to show who did invent the thing in order to show that Whitford did not.* [Italics in part supplied] [270 U. S. at 401].

[3] It is disclosure of knowledge inconsistent with a later claim of first invention which is important in determining the effect of co-pending applications. Although the issuance of a patent or other proof of prior invention will constitute a disclosure, prior invention is not alone controlling; for disclosure may also occur in other ways, as by publication in a periodical, by a disclaimer of invention of a described process, or by an abandonment thereof. Consequently, it is immaterial—if a disclosure actually occurs—whether it results from a description in a single co-pending application, from descriptions in several such applications, or from descriptions in co-pending applications together with descriptions in previously issued patents. Prior knowledge, clearly revealed is repugnant to the claim of first invention. This is the meaning of the decision in the Milburn Co. case. There is nothing in the opinion to indicate that the court intended to state a formal, arbitrary rule concerning a complete and adequate description, in a single application, by or on behalf of a prior inventor. What it had in mind was a disclosure in any form of knowledge inconsistent with a claim of first invention. It is, of course, necessary that disclosure actually occur. As was assumed by the court for purposes of decision in the Milburn Co. case (p. 400)—

". . . it would have been no bar to Whitford's patent if Clifford had written out his prior description and kept it in his portfolio uncommunicated to anyone."

[4] Whether or not the co-pending applications could properly be considered, therefore, to show the prior art in the technical sense, they were properly considered to determine whether they disclosed knowledge upon the part of the prior applicants inconsistent with appellant's claim of first invention. *Stelos Co., Inc.*, v. *Hosiery Motor-Mend Corp.*, 2 Cir., 72 F.(2d) 405, affirmed, 295 U. S. 237, 455 O. G. 503; *In re Youker*, C. C. P. A., 77 F.(2d) 624. They did disclose such knowledge and, hence, Brown and Klein were not the first inventors.

Appellant also relies upon the decision of this court in *Hazeltine Corp.* v. *Coe*, 87 F.(2d) 558, 560, 66 App. D. C. 341, 343. But this court did not hold in that case as appellant contends. It held that as all of the co-pending references relied upon therein failed, either singly or in combination, to disclose the claims of the later applicant, they did not prevent the issuance of a patent to him as the first inventor. And the court held, on the merits, that the facts of that case clearly revealed invention.

The question has been considered and decided

[2] See Rule 8, par. 5, and Rule 5, par. 3, United States Court of Appeals; *Davis* v. *Harper*, 14 App. D. C. 463; *Bernhardt* v. *City & S. Ry. Co.*, 263 F. 1009, 49 App. D. C. 265.

adversely to appellant's contention, also, by the United States Court of Customs and Patent Appeals in *In re Youker*, supra; by the Circuit Court of Appeals for the Sixth Circuit in *Ottinger* v. *Ferro Stamping & Mfg. Co.*, 59 F.(2d) 640, 643; by the Circuit Court of Appeals for the Second Circuit in *Hazeltine Corp.* v. *Abrams*, 79 F.(2d) 329; and by the Circuit Court of Appeals for the Fourth Circuit in *Denaro* v. *Maryland Baking Co.*, 50 F.(2d) 1074, which adopted the opinion of the lower court reported in 40 F.(2d) 513, 515–516.

Affirmed.

U. S. Court of Appeals for the District of Columbia

THE MATHIESON ALKALI WORKS, INC.

v.

COE, COMMISSIONER OF PATENTS

No. 6,999. Decided Sept. 26, 1938

[— F.(2d) —]

PATENTABILITY—PROCESS OF BLEACHING CELLULOSIC MATERIAL.

Claims relating to a process of bleaching cellulosic material *Held* patentable.

APPEAL from the District Court of the United States for the District of Columbia. Reversed and remanded.

Mr. Leslie B. Young, Mr. Raymond F. Adams, and *Mr. Clarence M. Fisher* for Mathieson Alkali Works.

Mr. R. F. Whitehead for the Commissioner of Patents.

Before GRONER, Chief Justice, and MILLER and EDGERTON, Associate Justices

MILLER, *A. J.:*

This is an appeal from a decree dismissing a bill brought under the provisions of section 4915, R. S. (35 U. S. C. A. § 63). The bill was based upon an application of Taylor and White which contained twenty-nine claims, all but six of which were withdrawn at the trial. Appellant sued as assignee of Taylor and White. Claim 31, broader in its terms than any of the others, reads as follows:

31. In bleaching cellulosic material, the improvement which comprises subjecting the cellulosic material to treatment with an acid aqueous solution containing a chlorite of a metal of the class comprising the alkali metals and the alkaline earth metals without destructive action on the cellulosic material.

The lower court held that it was not invention, in view of the prior art, to use a chlorite as a bleaching agent in bleaching cellulosic material, and that the claims involved in this suit define no invention over the prior art.

The lower court and the Commissioner relied upon a number of references, i. e., United States Patents: Trostel, No. 1,409,799, March 14, 1922; Mathesius et al., No. 1,061,392, May 13, 1913; Drewsen, No. 1,283,113, October 29, 1918; Rue, No. 1,771,064, July 22, 1930. British Patents: Watt, No. 893 of 1854; Clark, No. 2,987 of 1865; and upon 2 Mellor, Inorganic & Theoretical Chemistry (1922) 284. They took the position that disclosures in these references, whether known or unknown by the applicants, were sufficient to inform them that the prior art taught the use of chlorites for bleaching purposes. Appellant, on the other hand, contends that while hypochlorites were used by the industry for bleaching purposes, chlorites were not so used; that the discovery of their practicability for this purpose resulted from experiments which flew directly in the face of the teaching of the prior art; that the industrial practicability of chlorites for pulp bleaching depended upon their use in combination with ancillary acids, which acids, when used in connection with hypochlorites, degenerated the cellulosic material, but which, when used in connection with chlorites, produced good bleaching without deterioration of the cellulosic fibre—a chemical miracle previously unknown to science and to the industry, hence, not taught by the prior art. The evidence supports appellant's contention.

The type of bleaching involved in the industrial processing of cellulosic pulp is oxidation—bringing oxygen into contact with the pulp, the oxygen converting the colored material into a colorless substance or into a readily soluble material which washes out. Depending on the other elements with which it is associated and the proportions of that association, oxygen may be active or inactive for bleaching purposes. Moreover, the chemical properties of the material to be bleached are also important. Thus, one oxidizing agent may be effective in bleaching cellulosic material such as cotton and another in bleaching wool; while if the first is used on wool or the second on cotton they will be ineffective. For this reason, therefore, the lower court's finding that the British patent to Clark discloses a process of bleaching feathers, in which it is stated that chlorites may be so used, is irrelevant to the present issue. The reference discloses that the bleaching agent preferred by Clark was a weak solution of azotic acid which contains chromate or bichromate of potash; chlorites being mentioned generally, among many other bleaching agents, including "all kinds of salts and oxygenated or other acids". The reference discloses nothing concerning the bleaching of cellulosic materials, and discloses nothing concerning the different reactions of chlorites and hypochlorites in an acid solution.

One of the findings of the lower court states that the patents to Mathesius, Drewsen, and Rue disclose processes for bleaching pulp, using a hypochlorite under acid conditions. The finding is correct so far as concerns the patent to Drewsen. In the Rue patent neither hypochlorites nor chlorites are mentioned. In the Mathesius patent, successive alkaline, hypochlorite and acid treatments are described. However, and of greatest importance, it must be noted that, so far as concerns all of these three references, (1) no suggestion is made, in any of them, of the use of chlorites; (2) in none of them is anything taught concerning the different reactions of hypochlorites and chlorites when used in acid solutions; and (3) warning is given in the Mathesius patent that the acid, when used following the hypochlorite treatment, is dangerous to the fabric.

It was well known to the prior art that when a hypochlorite is acidified it is a very effective bleaching agent, but as disclosed by Mathesius, it was also well known that it was highly destructive of the cellulose itself. For this reason hypochlorites were used by the industry in a slightly alkaline condition. In this condition the available oxygen was sufficiently active to get a rapid bleach, and while it was somewhat destructive of cellulose, that was something to which the industry had perforce become reconciled, because prior to Taylor and White's discovery, it knew no better method. But it had learned, definitely, that hypochlorites in combination with acids were industrially impracticable as bleaching agents, because in that form they were even more destructive of the cellulose.

The Mathesius, Drewsen and Rue patents, therefore, far from showing that the prior art taught the process claimed by appellant, instead support appellant's contention that the prior art taught the destructive effect of hypochlorites and acid when used in combination. Moreover, they indicate, as appellant contends, that the protective effect, procurable by the use of chlorites and acid in combination for bleaching, was entirely unknown to the prior art.

In his brief the Commissioner states that the British patents and Mellor's treatise "were cited as showing statements that a chlorite has bleaching qualities." There is no dispute upon this point. The bleaching properties of several chlorine acids and their salts have been long and well known. This includes hypochlorites, the salts of hypochlorous acid; chlorites, the salts of chlorous acid; chlorates, the salts of chloric acid; and perchlorates, the salts of perchloric acid. One of the common forms of these salts is a combination of sodium, chlorine and oxygen; expressed in the following formulae: Hypochlorite, $NaClO$; chlorite, $NaClO_2$; chlorate, $NaClO_3$; perchlorate, $NaClO_4$. It will be observed that in each formula there is one atom each of sodium and chlorine, but the atoms of oxygen increase from one to four. Strange as it may be, however, the perchlorates and the chlorates which contain the most oxygen, while having bleaching properties nevertheless are not bleaching agents in the practical art; they have never been used for bleaching cellulosic materials such as wood pulp. Hypochlorites, which contain the least oxygen, are the only chlorine salts which, prior to the discovery revealed in appellant's claims, had been found practicable for bleaching cellulose; and the prior art so taught.

The lower court also found that the British patent to Watt discloses a process of treating hemp, flax and other fibrous substances in which the substance is treated with chlorite,

"and after repeating the treatment two, three or more times, the bleaching is completed with hypochlorous acid or other suitable bleaching agent."

In this reference, also, the inventor described three successive steps: First, a treatment in caustic alkali; second, treatment in a solution of chlorite or hypochlorite; and as to the third, he said in his provisional specification.

"The fibrous substance is now ready for bleaching. This may be effected by exposing it to the action of hypochlorous acid, chlorous acid, or chlorine; but I greatly prefer the first-named acid."

In a later specification, after describing the first two steps—the second a treatment in chlorite or hypochlorite—he said:

"I then complete the bleaching by the action of hypochlorous acid or other suitable bleaching agent."

In detailing the procedure of the third step he said:

"When this point is arrived at, the fibre is again washed, and in place of being immersed in the solution of hypochlorite, which has been employed up to this point, it is immersed in a much weaker solution of the same salt, (say, of 1.033 specific gravity) to which is then added hydrochloric acid to liberate the hypochlorous acid, by which the bleaching is completed."

A close analysis of the Watt patent, therefore, reveals no disclosure of appellant's claim. In the third or bleaching stage of the Watt process, (1) chlorites were not specified; (2) the use of acid with hypochlorite was specified—a process which, although effective for bleaching, is so destructive of cellulose as to be impractical for industrial use; and (3) no description or disclosure appears at any point in the reference, of the different result obtained by using an acid solution in combination with chlorites as distinguished from using such a solution with hypochlorites.

It is not even contended by the Commissioner that the Trostel patent describes a process for using chlorites in an acid solution. The lower court found that the patent disclosed that "as ordinarily practiced" bleaching of paper pulp is accomplished by treating the fibre with a bleaching agent, such as chlorine, chlorite, hypochlorite, et cetera. It seems apparent that Trostel's reference to chlorite was ignorantly or inadvertently made. It is entirely unsupported by the unanimous testimony of experts who have been familiar with the art for years. The accidental stumbling onto a fact, or the unintentional statement of a fact, might be considered sufficiently a part of the prior art to require its investigation.[1] But a statement so contradictory to fact, as this was demonstrated to be, is not a part of the prior art. It is certainly a matter susceptible of proof whether—

"as ordinarily practiced the bleaching of paper pulp is accomplished by treating the fibre with a bleaching agent, such as . . . chlorite . . ."

And the proof established that it was not practiced, ordinarily or otherwise.[2] But, more important than the untruth of the Trostel statement, is the fact that taking it at its full face value, it discloses nothing concerning the use of chlorites in an acid solution or the non-deteriorating effect thereof upon cellulose in the bleaching process. The known effect of acidification on hypochlorites in bleaching cellulose did not suggest acidification of chlorites for bleaching cellulose but suggested just the opposite. According to the teaching of the prior art, under ordinary conditions of bleaching, it was to be expected that the acidification of chlorites would degrade the cellulose to the same or a greater extent than the acidification of hypochlorites.

The most that can be said of all the references,

[1] Cf. *Eibel Process Co.* v. *Minnesota & Ontario Paper Co.*, 261 U. S. 45, 66.

[2] See *Carson* v. *American Smelting & Refining Co.*, 9 Cir., 4 F.(2d) 463, 468–469: "In *Deering* v. *Winona Harvester Works*, 155 U. S. 286, 300, 15 S. Ct. 118, 123 (39 L. Ed. 153) it was said: 'Oral testimony, unsupported by patents or exhibits, tending to show prior use of a device regularly patented, is, in the nature of the case, open to grave suspicion.' And the court affirmed the wisdom of the rule requiring such anticipation to be proven by evidence so cogent as to leave no reasonable doubt in the mind of the court that the transaction occurred substantially as stated."

therefore, is that they disclose the bleaching quality of chlorites when applied to wood pulps and other cellulosic material. This is far from enough to prevent the Taylor and White discovery from constituting invention. It is one thing to know that chlorites have bleaching properties and another to harness those properties in a process which is useful to industry. The similarity in atomic oxygen content of chlorites and hypochlorites is highly deceptive when considered in connection with the fact, well known to the prior art, that oxygen, when released, becomes the bleaching agent. The quantity of oxygen in chlorates and perchlorates is also similar, and greater in content than in either chlorites or hypochlorites. Yet it is not suggested that use of chlorates or perchlorates is an obvious step, even though it is well known that their oxygen content, if released, will bleach cellulose, and even though it is also well known how such oxygen can be released. The difficulty and danger involved in using all of these salts, including hypochlorites, is that they may destroy cellulose as well as bleach. Hypochlorites, however, having the least oxygen content of all, were—so far as the prior art knew—least destructive of cellulose while bleaching. This explained their exclusive general use in industry.

To argue that the substitution of a chlorite in an acid solution was an obvious step simply because hypochlorites in an alkaline solution had been used in the practice of bleaching wood-pulp, amounts to substantially the same thing as arguing that hydrogen peroxide (H_2O_2) is an obvious substitute for drinking water (H_2O) or that carbon monoxide (CO), the deadly poison which is present in automoble exhaust gases, is an obvious substitute for dry ice, carbon dioxide (CO_2). It is not as if oxygen were a constant which might be carried around in a bucket constructed of hydrogen or carbon or chlorine and dumped into a vat of cellulose with the same effect in each case.[3] If the suggested substitution was obvious it would seem even more obvious to convert graphite into diamonds because their atomic contents are not merely similar but exactly the same.[4] But thus far no mechanic seems to have reduced that conversion into an industrial practicality. Slight atomic changes or rearrangements in the constituents of chemical combinations produce profound changes in their properties and reactions.[5] In the present case, although the molecular form or atomic content of the chlorites was well known long before 1930, the chemistry of acidified chlorites was not known; in fact the effect of acids on chlorites is only little known even now. And while hypochlorites have been used in the industry for many years and their reactions in bleaching are reasonably well known, the fundamental differences between the chemical reactions of chlorites and hypochlorites in acid solutions were not known prior to the Taylor and White discovery.

Under pressure of demands from the consumer market for an increasingly whiter and tougher product, even the use of hypochlorites became increasingly unsatisfactory because, in what had been theretofore regarded as commercially successful bleaching with alkaline hypochlorites there was a considerable degradation of cellulose. For years the scientists searched for a process which would produce the desired whiteness without destroying the cellulose. Prior to 1930 there was no known way to accomplish that objective, and the long existing and well recognized need was not satisfied until White and Taylor discovered that degradation of cellulose does not occur in bleaching with chlorites in an acid solution.[6] Witness Vincent, testifying concerning the discovery of the value of chlorites for bleaching, said:

"The chlorites when acidified and used as bleaching materials have a very unexpected property of bleaching the colored material without affecting the cellulose. And they are as different as day from night—from the hypochlorites in this use. . . .

"So that the chlorites under acid conditions are something that the cellulose industry has been looking for for a long, long time; that is, a thing that will bleach rapidly and that does not have any effect on the cellulose. It is an unexpected thing and it is a thing of great importance to the whole cellulose industry in all of the compounds that it makes; and it is very, very different from the actual [action of the] hypochlorites."

Moreover, the use of the new acid chlorite process, as disclosed by Taylor and White, is much more economical. It saves man power by avoiding the necessity for careful regulation of laboratory conditions and machinery, which was essential when the hypochlorite process was used. When the latter method was used it was not an unusual occurrence for the pulp to be destroyed by overexposure to the bleaching agent. This destruction is avoided by the use of the new process.

In our view, therefore, the discovery made by the applicants in this case constituted invention. Their process was not taught by the prior art; in fact it contradicted the teachings of the prior art,[7] and in so doing produced a new and useful result.[8] It met a long standing need of the industry[9]—a practical method of bleaching cellulosic material without deteriorating the material itself; and it constitued a marked advance in the art.[10]

Reversed and remanded.

[3] ". . . The chemist pictures the properties of every substance as being determined by the chemical makeup of its molecules, i. e., by the nature of the atoms which are contained in each molecule of the given substance, and the manner of their arrangement. . . . the molecules of grape sugar (glucose) and fruit sugar (fructose) contain identical atoms in identical proportions but the properties of these substances are nevertheless different because the atoms are differently arranged in the two kinds of molecules.

"The complete change of properties which is associated with chemical action is therefore to be considered as being accomplished by the recombination or rearrangement of atoms to produce new sorts of molecules." 5 Encyc. Brit. (14th ed.) 341.

[4] 7 Encyc. Brit. (14th ed.) 316.

[5] *Ex parte Morris S. Kharasch*, 19 U. S. P. Q. 185–186: "It is now the well established practice in chemical cases not to assume that untried chemicals will have the same effect as others unless there is such a structural similarity as to suggest to those skilled in the art that the result would be substantially the same. We have had no satisfactory reason presented to us for causing us to conclude, merely because certain salts of mercury are effective as disinfectants, that all salts of this metal would also be of this nature. Particularly in view of appellant's contention that the compounds covered by the appealed claims are substantially more effective than those of the principal reference, we do not consider that the Office is justified in holding appellant's contribution unpatentable without other evidence than that before us." See, also, *Kuhmstedt* v. *Farbenfabriken*, 7 Cir., 179 F. 701, cert. denied, 220 U. S. 622.

[6] Dr. Bjarne Johnsen testified: "The bleaching agent commonly used on the pulp has been hypochlorite. Hypochlorite has its selective action in that it reacts first with the impurities; but very soon during the reaction it also attacks the cellulose fiber; and especially at this time when the requirements for whiteness are very much more exacting than they were some years ago, it is impossible by the hypochlorite method of bleaching to do that without serious attack on the fibers. With the hypochlorites it is now impossible under ordinary commercial conditions to obtain the required whiteness without destruction or degradation of the cellulose present. It has been recognized for some time that hypochlorites have this capacity for both bleaching and attacking the cellulose. In my own experience I have known that fact as long as I can remember. I remember that in 1913 I developed a test to indicate the point where the cellulose was being attacked, in order to be able to stop the reaction at that time.

"Constant efforts have been made to develop processes or bleaching materials that would not attack the cellulose while bleaching. First of all, it has been attempted to bleach at a lower temperature, by doing that at a higher density. That means that the action, because of the higher concentration of the pulp, would be more rapid. Then also it has been attempted, by dividing the bleaching operation into several stages and washing out or dissolving impurities between the stages, to lower this injurious effect.

"Prior to 1930 there was no bleaching agent available for commercial use in the wood-pulp industry that would bleach to a required color and not attack the cellulose.

"I have stated that I was familiar with the use of chlorites for bleaching purposes in connection with the pulp. I have used those materials in acid solution. I will explain the action of the bleach, which includes the chlorite in an acid condition—referring always to wood pulp. Exactly what the action is, I cannot say. I mean, as far as the exact chemistry of the action, we have only been able to tell by the results. But by using acid chlorites at certain temperature, we have been able to bleach our pulps up to the same high whiteness as we get with hypochlorite, without any injury to the fiber."

U. S. Court of Appeals for the District of Columbia

MILLS

v.

COE, COMMISSIONER OF PATENTS

No. 7,038. Decided Sept. 26, 1938

[— F.(2d) —]

PATENTABILITY—ICE CREAM FREEZER.

Claims for an ice cream freezer *Held* unpatentable over the prior art.

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. Carl S. Lloyd, *Mr. Howard W. Vesey*, *Mr. Percy H. Russell, Jr.*, and *Mr. C. Russell Riordan* for Mills.

Mr. R. F. Whitehead (*Mr. W. W. Cochran* of counsel) for the Commissioner of Patents.

Before GRONER, Chief Justice, and MILLER, Associate Justice, and PROCTOR, Associate Justice of the District Court of the United States for the District of Columbia

MILLER, *A. J.*:

The Patent Office rejected appellant's application for a patent covering a refrigerating apparatus designed for freezing ice cream in commercial establishments. Appellant sued under the provisions of section 4915, R. S. (35 U. S. C. A. § 63). This appeal is from a decree dismissing his bill.

The lower court made findings as follows:

2. Plaintiff's application relates to an ice cream freezer construction. The container for the cream is surrounded by a casing into which a refrigerant such as liquid methyl chloride is fed from a compressor in a direct expansion refrigerating system. The refrigerant is introduced into the casing through the bottom thereof and evaporates, thus effecting a cooling of the cream in the container. The refrigerant vapor is led from the casing through an opening at the top thereof. Both the container and surrounding casing are cylindrical but are eccentrically arranged so that the space between them is increasingly greater from the bottom to the top of the device. This arrangement provides an enlarged space near the vapor outlet and allows for an extended expanse of liquid surface from which evaporation and escape of vapor may take place, while at the same time permitting an increasing accumulation of bubbles from the lower to the upper region of the casing without congestion.

3. The Scovel patent, No. 1,809,075, discloses an ice cream freezer comprising an inner cylinder about which an outer cylinder is positioned in concentric spaced relation, the adjacent ends of the respective cylinders being joined by filler rings forming an intermediate annular chamber. An opening in the bottom of the outer cylinder communicates with an inlet pipe, which serves to conduct liquid refrigerant into the space between the cylinders. Upon the top side of the outer cylinder is mounted a longitudinally extending shell having its edges sealed, preferably by welding, to the cylinder wall, and forming a manifold enclosing with the cylinder a suction chamber. Spaced longitudinally along the portion of the outer cylinder wall enclosed by the manifold, are a plurality of openings forming outlet passages from the annular expansion chamber into the suction chamber. A main outlet opening in the intermediate upper portion of the manifold wall communicates with a suction return pipe for the vaporized refrigerant. With this arrangement, the vapor forming in the refrigerant, as it boils in the annular chamber between the cylinders, rises directly upward and finds exit into the suction chamber through the outlet openings formed in the outer concentric cylinder, the vapor being withdrawn from the suction chamber through the suction return pipe. The suction chamber thus provides an additional space through which the vapor passes after leaving the annular chamber and before entering the suction return pipe.

4. The patent to Hamer, No. 1,472,831, discloses a cooling cylinder over which a liquid to be cooled is caused to flow. Eccentrically mounted within the cylinder is a revolving drum, the arrangement being such that the space between the cooling cylinder and the drum is greater at the top thereof than at the bottom. The refrigerating liquid is introduced into the cylinder near the top thereof by means of a perforated inlet pipe extending lengthwise of the cylinder between it and the drum. The drum has openings in its ends and the vapor from the refrigerating liquid is led off through a pipe extending axially from the center of the drum.

The evidence indicated that the surge tank, or suction chamber, at the top of the expansion chamber in the Scovel patent takes care of the eruption of gases caused by the rapid evaporation and expansion of the refrigerant and prevents the entraining thereof. However, the concentric arrangement of the two cylinders in that patent causes the accumulation of gas bubbles on the side of the inner cylinder—which contains the cream mix—resulting in the insulation thereof and a lessened refrigeration. The advantage of the Mills apparatus in this respect is that the widening space made available by the eccentric arrangement of cylinders permits the gas bubbles to spread out and rise to a wider surface, thus preventing, in one operation, both (1) the violent eruption of gases and entraining of liquid, and (2) the accumulation of bubbles around, and the consequent insulation of, the freezing surface.

The essence of appellant's claim of invention, therefore, lies in the idea of arranging the cylinders eccentrically rather than concentrically so as to provide an increasingly large space in and at the

[7] See *Davies* v. *Coe*, 83 F.(2d) 602, 603, 65 App. D. C. 345, 346: "Appellant's method differs radically from Bligh. In fact, in the light of appellant's successful disclosure, it may be said that Bligh has taught the art what not to do instead of what to do." See, also, *Naylor* v. *Alsop Process Co.*, 8 Cir., 168 F. 911, 918; *Celluloid Mfg. Co.* v. *American Zylonite Co.*, S. D. N. Y., 35 F. 301.

[8] See *Loom Co.* v. *Higgins*, 105 U. S. 580, 591; *In re Eastwood*, 33 App. D. C. 291, 300; *In re Coffield*, 270 F. 695, 697, 50 App. D. C. 259, 261; *Dow Chemical Co.* v. *Williams Bros. Well Treating Corp.*, 10 Cir., 81 F.(2d) 495, 497, cert. denied, 298 U. S. 690; *Independent Oil Well Cementing Co.* v. *Halliburton*, 10 Cir., 54 F.(2d) 900, cert. denied, 286 U. S. 544; *N. O. Nelson Mfg. Co.* v. *F. E. Myers & Bros. Co.*, 6 Cir., 25 F.(2d) 659; 1 Walker, Patents (Deller's ed. 1937) 147–149.

[9] See *In re Moore*, 38 App. D. C. 276; *Kelley* v. *Coe*, (No. 6973, decided September 19, 1938) — F.(2d) —, — App. D. C. —.

[10] See *Mineral Separation, Ltd.* v. *Hyde*, 242 U. S. 261, 270; *General Electric Co.* v. *Hoskins Mfg. Co.*, 7 Cir., 224 F. 464, 471; *In re Glafcke*, 277 F. 603, 51 App. D. C. 204; *In re Eastwood*, supra note 8.

top of the refrigerant compartment to permit the ready expansion of the refrigerant liquid into vapor and its free escape.

While it may be conceded that appellant's apparatus constitutes a more effective device than Scovel's, it is not new within the meaning of patent law, and does not rise to the dignity of invention. *Minnesota Min. and Mfg. Co.* v. *Coe*, (No. 6944, decided June 30, 1938) — F.(2d) —, — App. D. C. —. At most it was a mere carrying forward or a new and more extended application of the original thought set out by Scovel; a change only in degree and form. As such it is not entitled to the protection afforded by a patent.[1]

Although it is true that in some instances the courts have recognized very minor changes or rearrangements in form or method as constituting invention,[2] it is apparent that in this case no more has been done than could have been done by any skilled mechanic acquainted with the needs of the industry.[3]

Affirmed.

U. S. Court of Customs and Patent Appeals

WHITEHEAD *v.* DIAMOND

No. 3,963. Decided June 27, 1938

[97 F.(2d) 604]

INTERFERENCE—PRIORITY—REDUCTION TO PRACTICE.

Evidence reviewed and *Held* that the activities of the junior party W., prior to the date of constructive reduction to practice accorded to senior party D., did not amount to a reduction to practice and *Held* that priority was properly awarded to D.

APPEAL from the Patent Office. Affirmed.

Mr. I. Seltzer, Mr. C. W. Levinson and *Mr. Marcellus C. Simmons* for Whitehead.

Messrs. Howson and Howson, Mr. Hubert A. Howson, Mr. William A. Smith, Jr., and *Mr. Richard S. Shreve, Jr.*, for Diamond.

JACKSON, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Examiner of Interferences which awarded priority of invention of the subject matter in issue to appellee.

The counts of the interference, which originated in the patent of appellee, are 1 to 4, inclusive, and read as follows:

1. An artificial thread consisting of an organic ester of cellulose and a small proportion of glucose pentacetate.
2. An artificial thread consisting of cellulose acetate and a small proportion of glucose pentacetate.
3. The process of producing matt threads by treating with a soap solution at or near the boiling point threads consisting of an organic ester of cellulose and a small proportion of glucose pentacetate.
4. The process of producing matt threads by treating with a soap solution at or near the boiling point threads consisting of cellulose acetate and a small proportion of glucose pentacetate.

The interference involves an application for a patent, Serial No. 623,608, of appellant, filed July 20, 1932, and an application, Serial No. 750,025, for a reissue of Patent No. 1,891,146 of appellee, filed October 25, 1934. Appellee filed his original application for his said patent on March 10, 1931, reciting therein that he had filed a British application for the same invention. A certified copy of said British application was filed in this proceeding, and found to disclose the subject matter involved, and the Examiner of Interferences accordingly held that appellee is entitled to the date of May 5, 1930—the date of filing the British application—for conception of the invention and its constructive reduction to practice.

Appellant alleged in his preliminary statement that he conceived the invention as early as the first part of August, 1929, disclosed it to others as early as October, 1929, and that he made his first written description of the invention and reduced it to practice as early as the middle of November, 1929.

Appellant is the junior party and had the burden of proving by a preponderance of evidence that he reduced the invention of the counts to practice prior to May 5, 1930.

The Examiner of Interferences described the subject matter of the counts as follows:

This interference has for its issue an artificial silk thread and a process for treating such threads. The thread is described as consisting of cellulose acetate and a small proportion of glucose pentacetate. While not so stated specifically it is generally conceded that the distinguishing characteristic of the thread is that it is delusterable. The issue likewise includes the process of delustering the threads which consists of treating them with a soap solution at or near the boiling point.

Since the entire record clearly indicates that the invention in controversy is the production of a delusterable yarn, the statement of the Examiner of Interferences that "it is generally conceded that the distinguishing characteristic of the thread is that it is delusterable," is considered to be proper. Therefore, in deciding as to whether or not appellant conceived the invention and reduced it to practice, we will consider the counts as calling for threads of that character.

The "process of producing matt threads", as set forth in counts 3 and 4, is a process for delustering or removing the sheen from the threads.

Appellant only took testimony. The record presented on his behalf is made up of the testimony of appellant and that of two of his laboratory assistants, together with inter-office reports and communications.

Appellant is a research chemist employed by Celanese Corporation of America, his assignee. He testified that he conceived the subject matter of the counts sometime in August, 1929, and in August and September of that year studied methods of preparation of glucose pentacetate and spinning solutions of cellulose acetate. He stated that during that time, in his own private laboratory and in his research laboratory at the factory of his employer, he—

"spun small charges comprising a few pounds of dope [spinning material], actually producing several bobbins of yarn and actually tested the behavior of that yarn in scouring and similar baths, also knitted on a ladies' hose machine several yards of tubular fabric, similarly tested such fabric,"

etc. He stated that he made the first small charges, using glucose pentacetate in spinning solutions in the said research laboratory early in September, 1929, and larger trials early in October, 1929.

The first evidence in writing, Exhibit A, which was offered to support his above-mentioned testimony, is a report dated October 22, 1929, signed by appellant and addressed to the New York office of his company. We have examined the exhibit with care, and, while it does show that appellant and his associates were experimenting with glucose pentacetate in a spinning solution, it does not disclose conception of the subject matter of the counts, and is apparently directed to the result of tests and experiments for an entirely different purpose.

Exhibits B and C, signed by appellant and bearing dates of November 24 and 18, 1929, respectively, are each entitled "Record of Instructions and Progress of Research Work." Exhibit B contains appellant's instructions to his assistant Brenneman to prepare a charge of dope, study the effect of a small amount of "Dextrose penta acetate on draw-down of normal dope," and to "Spin all the extra yarn you can." Exhibit C contains similar instructions to his assistant Sitzler to "study effect of adding a high boiling solvent, such as triacetin, on draw-down of a glucose pentacetate dope," and to arrange spinning with Mr. Brenneman.

The Examiner held that even though Exhibits B and C indicate the use of a small percentage of glucose pentacetate, and that yarn was to be spun from the resulting mixtures, they do not show conception of the subject matter of the counts for the reasons that no information is given as to the percentages of the glucose pentacetate or as to the purposes intended.

Appellant was accorded the date of conception as of December, 1929, but both tribunals of the Patent Office held that his work in the fall of 1929 amounted to no more than an abandoned experiment.

The date of conception claimed by appellant is not urged in his brief which states that—

The date of conception need not be seriously argued as the question here involved is—did the work of Whitehead in the latter part of the year 1929 constitute a reduction to practice of the counts when said counts are interpreted according to the expressed limitations? The Board of Appeals held that the work done by Whitehead and his associates at this period of time amounted to an abandoned experiment and not a reduction to practice. It is respectfully submitted that the work done by Whitehead and his associates in 1929 amounted to a reduction to practice of the subject matter of the counts.

We are of opinion that the work shown by Exhibits A, B, and C does not show a reduction to practice. The exhibits are indicative of nothing more than experimental tests on dope with some quantities of glucose pentacetate added. The fact that some yarn was made from the materials used in the said tests and spun is no proof that the yarn was the character of the thread intended to be called for in the counts, even as understood by appellant who stated in his direct examination that he understood the invention in controversy to be the "production of a delusterable yarn."

Appellant lays great stress on Exhibit D, dated December 2, 1929. It is a report which appears to set out in lengthy detail all of the activities of appellant and his associates with respect to the use of glucose pentacetate in a spinning mixture.

The Examiner of Interferences has, we think, fairly analyzed it, together with the oral evidence concerning the work and results stated in it, as follows:

In a subsequent report dated December 2, 1929, which appears to have been the principal report on the glucose pentacetate research, the corresponding data on delustering shows that yarns of the same compositions which had been allowed to age for ten days showed very different characteristics. Yarn containing 10% of glucose pentacetate then showed a high degree of deluster when treated with hot soap solution. A note accompanying this data states that the memorandum report of November 19, 1929, was based on data for freshly spun yarn. The report bears the signatures of Whitehead and Sitzler who both testified as to the experiments by which the data was determined and to the preparation of the report.

It is the contention of the party Whitehead that Exhibit D and the testimony with respect thereto clearly establishes an actual reduction to practice of the invention of each of the counts. This evidence shows that thread was spun from a solution of cellulose acetate containing a small proportion of glucose pentacetate and that under certain conditions this thread might be delustered. However, the same evidence also shows that thread having the same composition was unusually resistant to delustering. The sole apparent difference in condition of the thread was its age. The record is entirely silent as to what was done with this particular yarn which was delustrable. There is an intimation that it was knit into tubular fabric but the sole documentary evidence relating to knitting of experimental yarns was specific to the 2% glucose pentacetate yarn. According to Exhibit D this 2% yarn delustered decidedly less than the normal cellulose acetate yarn.

No laboratory records have been included in the record which show that a glucose pentacetate yarn delustered. Exhibit D appears to be a summary of various experiments but the data set forth shows delustering of the 10% yarn under only one set of conditions. A very material change in the characteristics of the 10% yarn appears to have resulted from only ten days aging. The record is silent as to the effect of further aging on the yarn and it is left to conjecture whether at the end of ten days the yarn had assumed a stable condition having permanent delusterable characteristics. No information appears as to the effect of age on the physical characteristics of the yarns. The one sample of fabric knit from experimental yarn was returned with the comment that it showed stitch distortion and pinholes. While Whitehead testified that he considered the yarn produced by these experiments to be of a commercially satisfactory character, no samples were submitted in evidence and the other witnesses either had no recollection of the character of the yarns or refrained from testifying with respect thereto.

We have given Exhibit D and the testimony relating thereto careful consideration, but we feel that we must agree with the tribunals below in holding that they do not establish a reduction to practice, although they may establish conception in December, 1929.

Yarns made of the materials called for in the counts apparently were made in the tests and resulted in a delustered thread under only one set of conditions. Appellant was not corroborated in his statement that the results of these tests were satisfactory.

The witness Sitzler testified that all he did was to run experimental tests on yarn spun by someone else.

The witness Brenneman merely said he spun the yarn turned over to Sitzler. No laboratory records are in evidence which show that the threads of the counts were delustered.

[1] *Smith* v. *Nichols*, 21 Wall. [U. S.] 112, 119; *Newton Steel Co.* v. *Surface Combustion Co.*, 6 Cir., 75 F.(2d) 305, 308; *Western Willite Co.* v. *Trinidad Asphalt Mfg. Co.*, 8 Cir., 16 F.(2d) 446, 450, cert. denied, 274 U. S. 738; *Midland Flour Milling Co.* v. *Bobbitt*, 8 Cir., 70 F.(2d) 416, 423; *Sage* v. *Parkersburg Rig & Reel Co.*, 10 Cir., 80 F.(2d) 954, 957. See also *Keszthelyi* v. *Doheny Stone Drill Co.*, 9 Cir., 59 F.(2d) 3.

[2] *Eibel Process Co.* v. *Minnesota & Ontario Paper Co.*, 261 U. S. 45; *The Barbed Wire Patent*, 143 U. S. 275, 282; *Du Bois* v. *Kirk*, 158 U. S. 58, 63; *Potts* v. *Creager*, 155 U. S. 597, 608; *Brown & Sharpe Co.* v. *Wahl*, 7 Cir., 85 F.(2d) 458.

[3] *Atlantic Works* v. *Brady*, 107 U. S. 192, 199–200; *Pearce* v. *Mulford*, 102 U. S. 112; *Minnesota Min. and Mfg. Co.* v. *Coe*, (No. 6944, decided June 30, 1938) — F.(2d)—, — App. D. C. —; *Patent & Licensing Corp.* v. *Weaver-Wall Co.*, 6 Cir., 95 F.(2d) 182.

In view of the record, it is our opinion that appellant had not passed from the stage of experimentation in December, 1929.

Subsequent to December, 1929, it appears that nothing further was done with the glucose pentacetate spinning mixture, and no steps were taken by appellant to file an application for patent until more than two and one-half years later. The Board of Appeals was satisfied that appellant was in doubt as to the practical effect of the glucose acetate on delustering. They quoted from Exhibit D the following excerpts:

> The yarn, however, appears to delustre readily and lose its glucose ester readily in slightly alkaline baths such as baths containing salts very slightly alkaline by hydrolysis, e. g., Na. citrate which salt dissolves the glucose ester in aqueous solution. This property of the yarn would render its general application inadvisable.
> • • • We suggest holding this up until we are able to complete our work on surface tension, when we can possibly make broader claims, including resins as having similar effects.

Since Exhibit D, quoted by the Board, also stated, with relation to the defect in the yarn that—

> "We propose to continue this work, studying the effect of addition of small amounts of very low viscosity C. A. [cellulose acetate] to overcome these defects,"

it seems that appellant was still in the realm of experimental uncertainty as far as reduction to practice is concerned.

During the time that the experiment was laid aside, the British patent of appellee issued and notice of its issuance was published in trade journals in 1931 and 1932. Whether or not appellant or those associated with him saw them is immaterial. Under the law they are charged with notice and in any event we are of opinion that there was no reduction to practice; that the activities of appellant never passed an incomplete stage of experimentation; and that the experiment was laid aside and abandoned.

The decision of the Board of Appeals is, accordingly, affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

KREBS AND SEILER *v.* MELICHAREK

No. 3,981. Decided June 27, 1938

[97 F.(2d) 477]

1. INTERFERENCE—PRIORITY—DILIGENCE.
   Priority of invention relating to tuning apparatus for high frequency electric circuits *Held* properly awarded to senior party M. on ground that junior party failed to show actual reduction to practice prior to filing date of senior party, and made no showing of diligence from a time just prior to the senior party's filing date up to the time of their own filing date.
2. SAME—DILIGENCE—APPLICATION PROSECUTED BY GOVERNMENT DEPARTMENT.
   Rule in interference proceedings as to diligence of junior party in reducing invention to practice *Held* applicable to cases prosecuted by a department of the Government.

APPEAL from the Patent Office. Affirmed.

Mr. *J. F. Mothershead* and *Mr. Paul P. Stoutenburgh* for Krebs et al.

No appearance for Melicharek.

JACKSON, *J.*:

This is an appeal in an interference proceeding from a decision of the Board of Appeals of the United States Patent Office affirming that of the Examiner of Interferences which awarded priority of invention of the subject matter in issue to appellee, the senior party.

Appellants filed an application for a patent, Serial No. 455,399, for "Multi-frequency signaling apparatus", on May 24, 1930. Appellee, on February 13, 1930, filed an application for a patent, Serial No. 428,072, for "Coil selector".

An interference was declared involving the two said applications on December 6, 1933, and the appeal is before us on 7 counts of a redeclaration of interference in accordance with a decision of the Examiner of Interferences dated April 22, 1935.

Counts 1 and 5 are representative and read as follows:

> 1. In a high frequency electrical system, a rotatable carrier, a multiplicity of inductance units each having different frequency characteristics disposed on said rotatable carrier, a high frequency electrical circuit terminating in fixed contacts adjacent said rotatable carrier, a variable electrical capacity in said high frequency electrical circuit, contacts carried by said rotatable carrier and connected with the inductance units thereon and adapted to establish connection with the fixed contacts adjacent said rotatable carrier, and a circuit maker and breaker including a stationary contact and a movable contact, means carried by the rotatable carrier to affect movement of the movable contact into and out of engagement with the stationary contact as the carrier is rotated for modifying the effective capacity in said high frequency electrical circuit in accordance with the value of the inductance unit which is selectively connected with said high frequency electrical circuit.
>
> 5. Frequency changing apparatus comprising a rotatable carrier, inductance elements of different frequency characteristics mounted upon said carrier, a high frequency electrical circuit terminating in contacts adjacent said carrier, contacts connected with the inductance elements on said carrier and connectible with the aforesaid contacts when said carrier is rotated to selected positions for including a particular inductance in said high frequency electrical circuit, an electrical capacity divided into two separate portions, one portion of which is permanently connected with said high frequency electrical circuit, a cam operated by the movement of said carrier for effectively connecting the several portions of said capacity in parallel in said high frequency electrical circuit when a selected inductance element is connected in said high frequency electrical circuit.

The subject matter is described by the Examiner of Interferences as follows:

> The subject matter of this interference relates to tuning apparatus for high frequency electrical circuits designed to cover a wide range of frequencies. A plurality of inductance units of selected values are mounted on a rotatable member and have their lead wires connected to a series of contact points set in the member. These contact points are adapted to be brought into contact with wiper arms connected with the proper portions of the associated electrical circuits. The apparatus includes two capacities, one of which is normally included in the high frequency electrical circuit while the second may be connected or disconnected according to the position of the rotatable member, thereby varying the value of the capacity in accordance with the particular inductance which is placed in the circuit. • • •

In their preliminary statement, appellants allege that they conceived the invention, made the first drawings thereof, and disclosed it to others on or about August 29, 1929; that on or about September 20, 1929, they made their first written description, and reduced the invention to practice on or about October 1, 1929. Testimony was taken to support these allegations.

Appellee filed no preliminary statement and took no testimony and accordingly was restricted to his filing date for conception and constructive reduction to practice.

While it appears that appellee filed a brief before the Examiner of Interferences subsequent to the taking of testimony, there has been no further appearance on his behalf.

Appellants were civilian employees in the radio test shop of the United States Navy Yard, at Washington, D. C., during the year 1929. Their testimony and records amply disclose that they had conceived and communicated to others the invention covered by the counts in every particular, as alleged in their preliminary statement.

The Examiner of Interferences properly held that they are entitled to September 20, 1929, for conception of the invention in issue. The said Examiner, however, after considering their proof, held that it failed to show actual reduction to practice prior to the filing date of appellee, and that they had made no showing of diligence from a time just prior to the filing date of appellee up to the time of their own filing date.

Appellants' evidence offered in proof of reduction to practice is an actual radio set which was made in October, 1929. The Examiner of Interferences said that it closely conformed to the original tracing, a copy of which is included in Exhibit 1, which tracing unquestionably discloses the elements contained in the counts.

Concerning this device as evidence of actual reduction to practice, appellants earnestly contend that it supports counts 3 and 4, and in this respect state in their brief as follows:

> • • • counts 3 and 4 define the apparatus for high frequency electrical circuits designed to cover a wide range of frequencies in which a plurality of inductance units of selected values are mounted on a rotatable member and have their lead wires connected to a series of contact points carried by the member and adapted to be brought into contact with wiper arms connected through branch circuits to a tuning condenser, and associated high frequency electrical circuits including vacuum tube amplifiers.

With respect to counts 1, 2, 5, 6, and 7, all of the remaining counts, appellants claim that they—

> "restate the inventions of counts 3 and 4 with the addition of a separate capacity which is connected into the circuit together with certain of the inductances by means of a cam actuated by the rotatable member."

Appellants state that the only feature of the said radio set which differs from counts 1, 2, 5, 6, and 7 is that the exhibit contains a manually operated switch instead of a cam.

The fact that the device was successfully operated we do not think is proof that it supports any of the counts. There is nothing in the record to show that by reason of successful operation it of necessity must be considered as supporting the counts. The tracing in Exhibit 1 provides for a cam, but the radio set in evidence does not have a cam. In holding that the structure in evidence does not support the counts, the Examiner of Interferences stated as follows:

> The actual radio set in which the invention is alleged to have been incorporated in October, 1929, has been placed in evidence as Exhibit 5. This set includes a turntable member on which is mounted a series of inductance coils of various values. In this respect the set here conforms very closely to the showing of the original tracing, a copy of which is included in Exhibit 1. However, a wholly different means is provided for varying the capacity included in the circuit. This capacity change switch is manually operated and is located in the upper left-hand corner of the control panel, wholly independent of the inductance mounting. The set includes two variable condensers of different capacities which may be alternately included in the circuit by movement of the capacity changing switch.
>
> The party Melicharek has objected in his brief that the actual use of Exhibit 5 has not properly been proved. However, this becomes a moot question because on reading the counts in issue it becomes obvious that they are not supported by the structure included in Exhibit 5. Count 1 calls for:
>
> "• • • A circuit maker and breaker including a stationary contact and a movable contact, means *carried by the rotatable carrier to affect movement of the movable contact* into and out of engagement with the stationary contact as the carrier is rotated for modifying the effective capacity • • •." [Emphasis added.]
>
> The remaining counts call for the same arrangement reciting the actual structure in varying degrees of detail. Counts 5 and 6 specifically recite a cam carried by the inductance support for operating the capacity switch. Clearly no one of these counts is properly supported by a structure in which the capacity changing switch is wholly independent of the inductance mounting and must always be operated manually.
>
> Exhibit 5 is further insufficient to support counts 3 and 5. These counts require a capacity system having branched circuits, one of which is permanently connected in the high frequency electrical circuit while the other may be cut in and out at will.
>
> In Exhibit 5 it appears that the capacity changing switch cuts in one or the other of the two variable condensers according to the capacity which is desired and neither condenser is permanently included in the high frequency circuit. It is believed clear from the foregoing that Exhibit 5 could not possibly constitute a reduction to practice of any of the counts in issue.

[1] The holding of the Examiner of Interferences was concurred in by the Board, and we can see nothing in the record to indicate to us that this holding is not proper. We believe, under the circumstances of this case, particularly in view of the highly technical character of the subject matter, that we should be governed by the rule in *Daley* v. *Trube*, 24 C. C. P. A. (Patents) 964, 88 F.(2d) 308, 483 O. G. 230, where we said:

> It may not be amiss to suggest that our ability to understand the highly technical subject matter which appellant presents could hardly be expected, under the circumstances, to excel that of those in the Patent Office who have given it such careful and detailed consideration. The rule is well settled that where there is a concurrence in decisions by the tribunals below, the decision appealed from will not be disturbed by the courts unless it is made clear that the same is erroneous. This rule has been made particularly applicable in cases involving highly technical matters. See *Angell* v. *Morin*, 21 C. C. P. A. (Patents) 1018, 69 F.(2d) 646; *In re Demarest*, 17 C. C. P. A. (Patents) 904, 38 F.(2d) 895; *In re McDonald*, 18 C. C. P. A. (Patents) 1099, 47 F.(2d) 802.

It appears that on November 6, 1929, appellants made a request through official channels in accordance with Navy regulations for patent protection. On the said date the said request was forwarded by the radio officer to the engineer officer, and from him to the Commandant of the Washington Navy Yard. The aforesaid officers recommended the request be approved. On November 7, 1929, the said commandant forwarded the said request to the Bureau of Engineering of the Navy Department, recommending favorable action. On November 19, 1929, the said bureau sent the request to the office of the Judge Advocate General, where it was received November 21, 1929. Apparently there is in the last-named office a patent division, where a determination is made of the likelihood of patentability over the prior art, and the ordinary and usual work is done in preparing an application for patent.

From the time the request for patent protection reached the office of the Judge Advocate General until the time of filing, a period of about six months, the record shows no activity on the part of either appellants or their employer department, and no reason to excuse delay in filing the application. There is accordingly no evidence that the appellants or their employer were active from just prior to the time appellee entered the field, February 13, 1930, and filed his involved application. While the

period of diligence is only about three and one-half months, there has not been suggested any fact from which diligence can be concluded.

It is true that the appellants were not in a position to do anything further after they had forwarded their request for patent protection. It is also true that if we should agree with their contention that the Government is not chargeable with diligence, it would follow that in similar circumstances a department of Government could indefinitely delay the filing of an application for patent in derogation of rights accruing to one who has been diligent in filing an application for patent on the same subject matter.

[2] We are unable to see, in this case, why the same rule should not apply to the Government as applies outside of the Government. No case has been cited, nor have we been able to find a case sustaining appellants' contention in this regard. If there was any fact or circumstance here to excuse the Government for a delay of six months in merely examining the prior art and drawing and filing the application, it should have been shown in the record. This showing has not been made.

On the question of diligence the Board held that—

It is entirely possible that the period between November 6 and May 24 could have been accounted for properly, had it been shown that the Government patent department had been proceeding according to the usual routine at that time and that this application was taken up in regular order. In the absence of any proof, however, as to facts of this nature, we consider that we are not justified in making any assumption.

Both tribunals of the Patent Office considered and analyzed the evidence and concurred in awarding priority of invention to appellee. This award we consider proper.

The decision of the Board of Appeals is affirmed. Affirmed.

U. S. Court of Customs and Patent Appeals

HOWARD *v.* HUMPHREYS

No. 3,887. Decided June 27, 1938

[97 F.(2d) 616]

INTERFERENCE—PRIORITY.

Evidence reviewed and *Held* that the junior party Humphreys, was the first to conceive and the first to reduce the invention to practice and that priority was properly awarded to him.

APPEAL from the Patent Office. Affirmed.

Mr. Charles M. Thomas for Howard.

Mr. Benjamin B. Schneider and *Mr. Edward B. Beale* for Humphreys.

JACKSON, *J.:*

This is an appeal in an interference proceeding from a decision of the Board of Appeals of the United States Patent Office reversing a decision of the Examiner of Interferences and awarding priority of invention of the subject matter of the counts to appellee, the junior party.

Appellant filed an application, Serial No. 322,457, on September 8, 1919, upon which was issued Patent No. 1,535,725, dated April 28, 1925. An application for reissue, Serial No. 174,342, was filed March 10, 1927, upon which Reissue Patent No. 18,357 issued on February 23, 1932.

Appellee filed an application, Serial No. 548,531, on March 31, 1922, and received Patent No. 1,647,629 on November 1, 1927. On January 26, 1929, he filed an application, Serial No. 335,380, for reissue of the said patent and it is this reissue application and appellant's said reissue patent that are involved in this interference proceeding. Since both original applications copended, the burden to establish priority by a preponderance of the evidence rested upon appellee.

Three counts are involved, of which count 1 is representative and reads as follows:

1. A method of making gasoline which consists in subjecting charging oil to cracking conditions of temperature and a superatmospheric pressure to convert the oil to produce hydrocarbon substances containing gasoline and heavier fractions, in separating the heavier fractions from the lighter gasoline-like products thereby producing a refractory distillate, and in subjecting a liquid body of such distillate to a cracking temperature while under a substantially increased pressure in an independent cracking zone where the distillate remains segregated from the unvaporized fractions of the charging oil.

The preliminary statement of appellee alleges that he conceived the invention set forth in the counts and disclosed it to others during the summer of 1917, and that he reduced it to practice on or about September 12, 1917. Testimony was taken to sustain these allegations.

No testimony was taken by appellant, who relies upon his first filing date, September 8, 1919, for proof of his inventive acts.

The Examiner of Interferences held that appellee was first to conceive the invention but that he was the last to reduce it to practice, and that he was not diligent from a time just before the appellant entered the field until he, the appellee, reduced the invention to practice, and accordingly awarded priority to appellant.

The Board of Appeals, in reversing the decision of the Examiner of Interferences and awarding priority to appellee, held that appellee's proofs showed a reduction to practice prior to September 8, 1919, appellant's earliest date.

The subject matter of the counts is set out by the Examiner of Interferences as follows:

This interference relates to a process for the production of gasoline. In carrying out the process oils heavier than gasoline are subjected to cracking temperatures and pressures. A distillate is obtained from the first step in the process which contains gasoline and heavier portions which are separated from the gasoline giving a refractory distillate. This refractory distillate is then subjected to a further cracking step at temperatures and pressures higher than those existing in the first cracking step. * * *

The sole issue in this case is whether appellee reduced to practice in September, 1917. If it be held that he did, the decision of the Board of Appeals must be affirmed.

The record discloses that appellee is an oil chemist and during all the time pertinent to this controversy, was first the assistant superintendent and later manager of his assignee, Standard Oil Company of Indiana, at Whiting, Ind. It appears that in the process of cracking oils in the manufacture of gasoline and kindred products there is produced a material described as "naphtha bottoms" or "steam bottoms from motor spirits". These bottoms are of a very refractory character in the oil cracking process, as it was formerly practiced. At the time when appellee started his activities with relation to the subject matter of the counts, appellee's employer was using what is known as the "Burton process". This process consisted in cracking the oil in a still under a maximum pressure of 95 pounds gauge pressure. In this cracking operation, a distillate was produced containing gasoline and heavier fractions. The distillate was then redistilled, separating the gasoline and kerosene constituent, leaving the heavier fraction, known as "naphtha bottoms" or "steam still bottoms from motor spirits".

The bottoms appear to have been of very little or no value. As the cracking operations continued, the bottoms accumulated in volume and presented a problem of getting values from them. A very small portion was disposed of by mixing them with the charging stock of the process. When the quantity of bottoms, however, exceeded 15 per centum of the quantity of the said stock, the yield in gasoline diminished.

Appellee, as early as 1915, conducted experiments striving to develop a method of cracking this refractory material. In the course of these experiments he caused a still of five-gallon capacity to be built at the plant of his company, and set it up in a small building called the "experiment house", situated at the rear of the laboratory. This still was charged with the said bottoms, and distillations were made at pressures and temperatures higher than those used in the Burton stills. The pressures used in the experiments were gradually increased until a pressure of 200 pounds per square inch was reached. Feeling that the capacity of the five-gallon still was not sufficient to withstand a higher pressure, work was discontinued with it.

Another still of greater capacity—up to 20 gallons—was then fabricated to withstand higher pressures than 200 pounds per square inch. The same type of experimental work was conducted, and the new still was operated in 1916 and 1917 with a pressure up to 350 pounds per square inch. Appellee testified that while the still operated on a great variety of materials, his real interest was in the cracking of distillate bottoms.

Records were made during the runs in the still, which are said to show the kind and quantity of charging stock, the time the still was charged, the time the distillates began coming off, the time the run was concluded, and the temperatures and pressures from hour to hour. Several of the record cards are in evidence. One record card, part of Exhibit 1, shows that on September 12, 1917, a run was made in which the still was charged with "S. S. bottoms from motor spirits", at pressures ranging from 300 to 310 pounds per square inch.

Exhibits 2, 3, and 4, relating to subsequent runs, are similar in all respects to Exhibit 1, and are dated September 14, 17, and 20, 1917, respectively. Some of the pressures shown are up to 350 pounds per square inch. The products resulting from the aforesaid runs were gasoline and a heavier fraction not suitable for gasoline.

The Examiner of Interferences held that the work in September, 1917, while it showed a date of conception as early as September 12, 1917, was not a reduction to practice. He reasoned that—

"The operation of the small still however cannot be considered a reduction to practice since it performed the process only on a laboratory experimental scale."

The Board of Appeals, in reversing the decision of the Examiner of Interferences, said:

According to records which are in evidence, this still was charged with steam still bottoms for motor spirits and operated at cracking temperatures and at pressures up to about 350 pounds per square inch. There are in evidence records of four test runs in which in the neighborhood of 90 pounds of material were charged and some 25 quarts of distillate recovered. The distillate recovered was fractionated and in all tests 60% or better was driven off at a temperature below 400° F. Of the material originally charged, according to the tests made, only a fraction of a percent vaporized below 400° F. The tests conclusively showed, therefore, that it was feasible to crack the refractory intermediate material with which the still was charged and to obtain therefrom a comparatively high percentage of material suitable for use as gasoline. It seems to us that these runs, while on a small scale, constituted a reduction to practice of the subject matter in issue. Appellee attempts to belittle the procedure above referred to by referring to the operations as "miniature", "microscopic" and "Lilliputian". While the operation was obviously not commercial, it seems to us that it was carried out on a sufficient scale to demonstrate the feasibility of converting refractory material such as was used as charging stock into gasoline. This was Humphreys' problem and this is the problem which is set forth in the counts. The problem of the counts is not the production of a still by which the process can be carried out. This is a separate problem with which we are in no way directly concerned. * * *

It must be conceded, in view of the record, that appellee did succeed in producing gasoline by a cracking process not known before to the art. In view of the fact that there were no stills known to the art with which to perform his tests, he was compelled to have them fabricated. He did build a still, of relatively small capacity it is true, but he demonstrated that his process was successful in producing from the highly refractory bottoms a very good yield of gasoline.

The Examiner of Interferences grounded his holding with respect to appellee's lack of reduction to practice, in part at least, upon the theory that appellee and his witnesses did not consider that they had successfully reduced to practice. In support of this theory, the said Examiner quoted the following testimony of appellee:

Q. 264. Did you negotiate with them regarding the construction of other stills at any other time?

A. Yes, after it became evident that the cracking of these naphtha bottoms on a commercial size still such as they had built for us was feasible and would probably be profitable, we began negotiations for the design and construction of larger batteries of high pressure stills.

Q. 124. What further was done in the plant with respect to the pressure distillation operations at 325 pounds after this still started to operate?

A. After determining that the operation of this still was successful we recommended the construction of additional high pressure stills to take care of the increasing quantities of naphtha bottoms caused principally by the lowering of the end points of gasoline.

The stills referred to in the above-quoted testimony of appellee were large commercial stills of a capacity of 325 pounds pressure per square inch. In order to understand the pertinence of this part of the record, it is necessary to further relate the history of the activities of appellee.

It appears that immediately after the tests of September, 1917, appellee sought to have constructed apparatus that could be operated on a larger scale, commercially. The building of a large still was not something to be accomplished in a short time. The record shows that it required more than a year to perfect the plans and construct the still. It had-

pened that at this time the heavy industries were being taxed to capacity to provide materials for the successful prosecution of the World War. In order to construct the large still it was necessary to secure quantities of steel. Because the steel industry was so essentially involved in the production of war material, no request for priority of orders was made by appellee's assignee; but as soon as the war was over, steps were immediately taken to have made a suitably large still.

The large still was installed in August, 1920. It seems that this still was the first one of its kind known in the industry and that, because of its large size and the high pressure involved in its intended operation, the operators started it with runs requiring relatively low pressures which were gradually increased as the still continued to respond to the heat and greater pressure applied to it. The first run on naphtha bottoms alone took place on November 11, 1920, after some thirty runs of other material had been made.

Since that time the still appears to have been used for the cracking of naphtha bottoms for the most part.

It was subsequent to the successful operation of this large still that negotiations were had for the making of other large stills of the same kind and it was concerning this that appellee testified in the quoted excerpts of his testimony.

The Board of Appeals held that—

"The answers referred to have reference to commercial operation and in our opinion do not negative a belief that the process was successful when the small-scale experiments were completed."

This holding of the Board seems to us to be proper. No one can doubt, from the facts shown in the record, that appellee succeeded in solving the problem in the tests of September, 1917. While the process was tested on a much smaller scale in 1917 than in the operations of the large specially constructed still, nevertheless it was exactly the same process, with the same kind of materials and the same results.

We are of opinion that appellee and his associates were convinced that the process had been successfully performed when they, without any loss of time, took steps, at great expense, to have fabricated the larger still to operate in commercial quantity. We are not concerned with the still or its size. It is reduction to practice of the process that is before us.

The tests in September, 1917, were, in our opinion, sufficient to constitute a proper reduction to practice. It would seem that the Examiner of Interferences held that a process, such as that involved here, in the first instance and in an unknown field, cannot be reduced to practice until a new apparatus of commercial proportions is built and operated.

We held in *Weitzel* v. *Lacy*, 17 C. C. P. A. (Patents) 943, 39 F.(2d) 672, 396 O. G. 523, that—

The authorities seem to be well settled that commercial production is not necessary to constitute reduction to practice.

In the instant case, it is our opinion that in order to establish reduction to practice of the process, it was not necessary to have built and operated the large commercial capacity still and that appellee did establish reduction to practice in the tests of September, 1917.

Appellant contends that the tests of September, 1917, cannot be considered a reduction to practice because of the problem of coke accumulation in the oil cracking process. He argues, in effect, that as the oil volume of the cracking stills becomes larger the coke accumulation becomes greater, but cannot be calculated, and that therefore nothing can satisfy the legal requirements of successful reduction to practice except the actual operation of the process in a still suitable in size for commercial operations.

It seems to be true that the deposit of foreign substances on the inside of the wall of the still would inhibit the communication of heat to the oil even to the degree of fusing the wall of the still. The run reports in evidence, however, make no reference to coke production and we think the inference is fair that the amount was negligible, as was stated by appellee during cross-examination.

That the size of the still was not considered of much importance is shown by the testimony of appellee under cross-examination as follows:

XQ. 361. Now, Doctor, from your experience in the oil cracking art, you knew that the light or the data you got from results in these small experimental shell stills you employed in 1917 did not always hold true when those operations were amplified into large and useful units; isn't that correct?

A. The results obtained on those small stills would be very close to the results obtained on large sized stills. There was some difference, of course, but not a very significant difference.

* * * * * * *

XQ. 382. Now let us consider the small scale laboratory shell still cracking operation. Is it your view that the light you obtained as the result of such an experimental operation will hold true when that operation is magnified into a large and useful shell still cracking operation?

A. It is my opinion that it will.

* * * * * * *

XQ. 402. You know when you attempt to transform that operation into a large scale operation you immediately encounter many difficulties that are not encountered in the small scale operation, don't you?

A. The difficulties differ only in magnitude. They are of the same type.

There is no evidence in the record to contradict this testimony on behalf of appellee, and we cannot assume, merely from the argument of appellant, that there would be large unpredictable accumulations of coke in a commercial still from the tests made by appellee in the small still.

We are in accord with the Board in its statement that—

The amount of carbon formed, the amount of gas wasted, the character of the carbon, etc. were matters that needed consideration when commercialized but it seems to us that the test runs definitely showed that the process could be successfully performed. * * *

Among his reasons for appeal, appellant contends that the Board erred in finding that the operations of appellee prior to his record date conformed to the counts and that the Board also erred in finding that the counts do not inhibit the inclusion of substantial quantities of cracked distillates from the initial cracking zone of the process.

The position of the Board on these contentions is set out as follows:

It is strongly urged that the counts should be read to require an exclusion of intermediate boiling distillate from the charging stock of the initial operation and since the Humphreys testimony shows that it was customary to use from 5 to 15% of this material in the initial charging stock, that they were not proceeding in accordance with the requirements of the counts. The counts are all drawn broadly to the subjecting of a charging oil or charging stock to a cracking temperature or to cracking conditions. It seems to us that this is merely a broad statement and not an ambiguous one which warrants giving to the counts a restricted meaning in accordance with the Howard application. * * *

* * * * * * *

The initial stock used by Humphreys, in our opinion, is within the counts and the material produced by the Humphrey procedure in the Burton stills and in subsequent treatments of the distillate therefrom responds to the material specified by the counts for the second cracking operation. There is nothing in these counts as drawn that requires the second cracking operation to take place immediately following the first or that requires that all of the intermediate distillate from the first operation be used in the second. * * *

As we read the counts they refer to "charging oil" and "charging stock" without limitation and are not ambiguous. We are of opinion that the charging stock or oil used by appellee is within the counts as was held by both tribunals of the Patent Office, and that the counts do not inhibit the use of cracked distillates from the initial zone.

In view of the entire record, which we have examined with minute care, it is our opinion that a complete reduction to practice was made by appellee in September, 1917.

The decision of the Board of Appeals reversing the Examiner of Interferences and awarding priority of invention to appellee is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

KASARJIAN *v.* PAULSON

No. 4,019. Decided June 27, 1938

[97 F.(2d) 474]

INTERFERENCE—PRIORITY.

Evidence of junior party K. reviewed and *Held* insufficient to establish conception and reduction to practice and *Held* that priority was properly awarded to P.

APPEAL from the Patent Office. Affirmed.

Mr. Cornelius Zabriskie (*Mr. Alva D. Adams* and *Mr. Nichol M. Sandoe* of counsel) for Kasarjian.

Mr. Harry A. Yerkes, Jr., (*Mr. Lee B. Kemon* of counsel) for Paulson.

JACKSON, *J.*:

This is an appeal in an interference proceeding by the junior party from a decision of the Board of Appeals of the United States Patent Office which affirmed the decision of the Examiner of Interferences awarding priority of invention of the subject matter of the counts to appellee, the senior party.

The interference involves two copending applications for patents, that of appellant being Serial No. 688,710, filed September 9, 1933, and that of the appellee being Serial No. 632,745, filed September 12, 1932.

Of the four counts involved, counts 1 and 2 are representative and read as follows:

1. A spark plug having a shell, a downwardly and substantially uniformly tapering center electrode head and a set of prongs united with the lower end of the shell constituting the ground electrodes, said ground electrodes being flattened and extending inward from the shell and being shaped concentrically around and directed down the tapered center electrode head so as to furnish large surface areas for the spark gap and a large section in the electrodes for conducting heat to the shell, as well as to be flexible enough for adjustment of the gap.

2. A spark plug having a shell, a downwardly tapering circular spindle head, and a set of stout grounded electrodes supported by the shell and extending inwardly and downwardly therefrom and having inner side surfaces cross-axially curved concentrically with and extending downwardly along the circular spindle head to circumferentially and longitudinally conform thereto and collectively surround the greater part of the circumference of the complimentary portion of the spindle head at the gap, so as to furnish a plurality of large surface areas for the spark gap, with a large section in each grounded electrode for conducting heat to the shell, said grounded electrodes being adjustable by bending them radially of the plug so that, by such adjustment, the large surface areas for the spark gap may be maintained.

The subject matter of the counts is set forth by the Examiner of Interferences as follows:

The invention relates to a spark plug having a large area, massive electrode structure whereby a large sparking area is provided and whereby heat will be conducted away from the electrodes thus insuring long electrode life by reducing spark erosion and preventing pre-ignition from overheated electrodes.

As originally declared, the interference, dated April 10, 1934, involved but one count. Appellant moved to dissolve the interference as to this count and also moved to add three additional counts. The Examiner of Interferences granted appellant's motion to dissolve, and also granted his motion to add the three counts, which are counts 2, 3, and 4 of this interference. Appellee moved to amend by adding certain proposed counts, which motion was denied with the exception of one claim which is count 1 of the present interference. The interference was redeclared July 20, 1936, on these four counts.

Both parties filed preliminary statements. Appellant alleged in his first preliminary statement filed May 3, 1934, that he conceived the invention set forth in the original declaration of interference on or about October 15, 1931; that he made his first drawings and disclosure to others on or about December 20, 1931; and that he reduced the invention to practice February 7, 1932.

After the interference had been redeclared as aforesaid, appellant filed a second preliminary statement dated August 16, 1935, in which he alleged conception, disclosure to others, and reduction to practice of the invention set forth in the redeclaration of interference, during the summer of 1931.

Appellee also filed two preliminary statements on May 2, 1934, and July 30, 1935, respectively, alleging in both that he conceived the invention, disclosed it to others, and reduced it to practice in January, 1932. During the original motion period, each of the parties had access to the other's statement. This was, as the Examiner of Interferences stated, prior to the change in rules.

Appellee moved to have appellant held to the dates alleged in his first preliminary statement, but his motion was denied by the Examiner of Interferences.

Voluminous testimony was taken by both parties, and many exhibits are in evidence.

The Examiner of Interferences held that appellant failed to establish conception or reduction to practice of the invention defined in the counts prior to the filing date of appellee, and accordingly awarded priority of invention to appellee. The Board of Appeals affirmed the holding.

It will not be necessary to discuss the evidence offered by appellee, in view of the conclusion that we have reached.

The issue before us narrows to the single point as

to whether or not Exhibit 1 supports the counts herein. Three other plugs made by appellant in the summer of 1931 are in evidence, but none of these is pertinent to the issue.

With respect to Exhibit 1, it was testified that the witness Daze made it from a sketch, in evidence as Exhibit 4. This sketch is not signed, dated, or witnessed, and it does not show the entire plug. A careful examination of Exhibit 4 convinces us, as it did the tribunals of the Patent Office, that it has little, if any, evidentiary worth. We do not see how the plug, Exhibit 1, could be made from the sketch, Exhibit 4.

The Examiner of Interferences and the Board of Appeals both held that Exhibit 1 does not support the counts. The said Examiner carefully analyzed the distinction between them as follows:

> Furthermore, the plug, Exhibit 1, does not embody all the features set forth in the counts. That the device which is reduced to practice must embody the invention defined in the count; see *Henderson* v. *Gilpin*, 1913 C. D. 1. The spark plug art is an old and well worked art and from the art cited during the prosecution of the applications involved and in support of the motion to dissolve it is obvious that each limitation is a material one and can not be disregarded.
>
> Each of counts 2, 3, and 4 defines the ground electrode as "having inner side surfaces cross-axially curved concentrically with and extending downwardly along the circular spindle head to circumferentially and longitudinally conform thereto". Count 1 defines the ground electrode as "being shaped concentrically around and directed down the tapered center electrode head so as to furnish large surface areas for the spark gap". This can only mean that the ground electrode is cross-axially curved to conform circumferentially to the central spindle. The plug, Exhibit 1, displays neither circumferential nor longitudinal conformity with the central electrode. Kasarjian in answer to Q237, page 36, Kasarjian record, says that the gap can be accurately set on his plug by removing the gasket, screwing in the core, conforming the ground electrodes against the center electrode, taking out the core and putting in a gasket of the proper thickness. When the gasket of Exhibit 1 is removed and the core screwed in it is readily seen that the ground electrodes do not conform to the central electrodes either circumferentially or longitudinally and that there is only a point contact between each ground electrode and the central electrode. This can also be seen by inserting a thin piece of paper between each ground electrode prong and the central electrode in the manner of a feeler gauge and then screwing down the central electrode, the result is that only dot-like imprints are made on the paper. The plug of Exhibit 26 which was used by Kasarjian's expert in rebuttal testimony and which is allegedly a plug of current producton shows the feature of conformity very clearly and is interesting in emphasizing this lack of conformity in Exhibit 1.

The Board of Appeals agreed with the holding of the Examiner of Interferences that the limitations of the counts do not read upon Exhibit 1, and from a close inspection of the said exhibit we are of opinion that the said holding was proper. It appears that the ground electrode prongs are not curved but flat, and are tangent in relation to the circumference of the central electrode rather than conforming to it. It is also apparent that when the gasket is removed from the plug, and the central electrode is screwed down on the ground electrode, the contact between the electrodes is not constant through the longitudinal surfaces.

Evidently appellant considered cross-axial conformity of the electrodes to be an essential feature of the device. This is shown in the decision of the Examiner of Interferences as follows:

> That cross-axial conformity is an essential feature is further attested by the argument of Kasarjian's counsel at the final hearing where he urged that Paulson's Exhibit C did not disclose any of the counts in issue because the ground electrode prongs there shown are not curved cross-axially but are flat, thereby being tangential to a circle concentric with the center electrode. This contention is well taken but it applies with equal force to the structure of Exhibit 1 wherein the blades are substantially flat in the same plane as shown by Paulson's Exhibit C.

We have examined appellee's Exhibit C referred to by the Examiner. It is a drawing of a plug and it clearly shows that the ground electrode prongs are flat and tangent in relation to the circumference of the central electrode. Since appellant has properly contended that Exhibit C does not support the counts, by the same reasoning the counts do not properly read on his Exhibit 1.

Appellant contends that Exhibit 1 supports the counts and that the essentials held to be lacking by the tribunals of the Patent Office are, in fact, present, but that because the said exhibit was made by hand there are slight irregularities that are to be expected.

We have carefully examined Exhibit 1 and it appears to be a very well made and smoothly finished plug. We do not think that the square end on the ground electrode can be considered as intended by the maker to be curved.

It is our opinion that Exhibit 1 does not show conformity with the counts in that it is not cross-axially curved to conform in circumference to the central spindle to furnish large surface areas for the spark gap.

Because our holding in this respect is in agreement with the decisions of the Examiner of Interferences and the Board of Appeals that Exhibit 1 does not embody the invention defined by the counts, it is not necessary to discuss the tests to which Exhibit 1 or structures like it were put.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Circuit Court of Appeals—Second Circuit

LATZ ET AL. *v.* RELIANCE GRAPHIC CORPORATION ET AL.

No. 369. Decided July 25, 1938

PATENTABILITY—PRINTED MATTER—COMMUNICATION SHEETS.

Claims of the Latz patent, No. 1,460,492, for communication sheets having a blank space for a manuscript insertion or communication and having a border on which are printed pictorial designs with breathers within which are subsidiary blank spaces adapted to be filled in with the name of recipient so as to create impression of having been created especially for recipient *Held* invalid on the ground that the sheets are not a "manufacture" within the meaning of the statute and *Held* invalid also for lack of invention in view of the prior art.

APPEAL from the District Court of the United States for the Southern District of New York.

Suit by Harry Latz and another against Reliance Graphic Corporation and another, and Louis Kleid and another to enjoin the defendants from infringing Patent No. 1,460,492, claims 1 and 2, issued to Harry Latz, and for an accounting. From an interlocutory decree in favor of the plaintiff, the defendants Reliance Graphic Corporation and another appeal.

Reversed with directions.

Weisman, Celler, Quinn, Allan & Spett, of New York City (*Asher Blum, Murray C. Spett*, and *Ralph Wiener*, all of New York City, of counsel), for appellants Reliance Graphic Corporation and Walter Frisch.

Lind, Shlivek, Marks & Brin, of New York City (*Max Shlivek* and *Saul S. Brin*, both of New York City, of counsel), for appellees.

Before MANTON, SWAN, and AUGUSTUS N. HAND, Circuit Judges

AUGUSTUS N. HAND, *Cir. J.:*

This is an appeal by the defendants Reliance Graphic Corporation and Walter Frisch from an interlocutory decree holding claims 1 and 2 of U. S. Patent No. 1,460,492 issued to Harry Latz valid and infringed. We think the decree must be reversed both because the subject matter is not patentable and because even if this be not so, the patent lacks invention.

The patent relates to communication sheets—particularly to those of letter paper. The sheet has a main blank space adapted for a manuscript insertion or communication. It also has a border on which are printed pictorial designs generally with what are known as breathers. Within the border, and associated with the pictorial designs and breathers, are subsidiary blank spaces which are adapted to be filled in with the name of the recipient of the communication. The subsidiary blanks are so associated with the pictorial designs of the border that, when filled in, a natural completion of the printed design is effected. The border including the name, when filled in, conveys the impression of having been created especially for the particular person named therein. The patentee says that this makes the communication a very personal one and has a tendency to tickle the vanity of the recipient and that announcements or advertisements, when filled in the main blank space, are likely to receive attention if printed upon the sheet described with the name of the addressee properly inserted in the blank space in the border. He further says in his specification that the communication sheet itself thus becomes capable of compelling attention of a sympathetic kind to the contents of whatever may be contained in the main blank space, whether the same is in the form of a circular, a mimeographed reproduction or a personal note.

The supposed commercial advantage found in sheets conforming to the description in the patent is that they personalize advertising by conveying the thought that each sheet was prepared for its recipient, thus avoiding the possible unfavorable impression given by advertising matter that is sent to any one having a mailing address.

The claims are for a product but are not limited to a particular kind of paper, shape, pictorial design or inscription.

The communication sheets have interested the trade and have achieved commercial success. The trial court held the patent valid and infringed.

The first question for discussion is whether the subject matter was patentable. Patents may be granted under the statute to persons who have invented or discovered any "new or useful art, machine, manufacture, or composition of matter * * *". The plaintiffs contend, and the court below held, that the communication sheet described in the patent in suit comes within the meaning of the word "manufacture". It is to be noted that the patented product has no physical characteristics other than the paper itself and the lettering and pictorial representations upon it, also that the value of the invention resides only in the idea of personalization and not in the sheet itself and that the achievement of the object of the invention is only reached when the blank is finally filled in with the name of the prospective customer. In our opinion these things are not enough to render the sheet an article of manufacture.

In *Hotel Security Checking Co.* v. *Lorraine Co.*, 2 Cir., 160 F. 467, 24 L. R. A., N. S., 665, this court had before it the Hicks patent for a "method of and means for cash-registering and account-checking" designed to prevent frauds and peculations by waiters and checkers in hotels and restaurants. According to the patent each waiter was to be provided with slips marked with his number. The person in charge of the department supplying food to the waiters was to be given a sheet of paper ruled lengthwise in parallel columns, each waiter having a particular column exclusively appropriated to him. If, for example, waiter No. 4 received an order for food, he would go to the kitchen department and, when the order was filled, would exhibit his tray to the checker who would enter the price of each article on the waiter's slip and also on his own sheet under the column No. 6. Judge Coxe, writing for the court, said (page 469):

> "It is manifest that the subject-matter of the claims is not a machine, manufacture or composition of matter. If within the language of the statute at all, it must be as a 'new and useful art.' * * * A blank sheet of paper ruled vertically and numbered at the top cannot be the subject of a patent, and if used in carrying out a method, it can impart no more novelty thereto, than the pen and ink which are also used."

It is true that in *Mitchell* v. *International Tailoring Co.*, C. C. 170 F. 91, Judge Ward expressed the opinion that a certain advertising device made of folding cardboard was a manufacture and patentable if it involved invention. The object of the device was to encourage those receiving it to keep the name and address of the sender instead of throwing the communication into the waste basket. The method devised was to print the name and address of the sender on one side of the top fold of the cardboard sheet and to have on the other side a picture which the receiver might detach from the remainder and keep. The decision dealt with a physical structure, part of which was intended to be detached from the other part and kept by the recipient as a gift. Judge Ward had the same view as the Court of Appeals for the Sixth Circuit in *Cincinnati Traction Co.* v. *Pope*, 210 F. 443, 446, where a patented transfer ticket for use by street railways was held to be an article of manufacture. The court there said:

> "The device of the patent clearly involves physical structure. The claims themselves are, in a proper sense, limited to such structure.

"The specifications describe a distinctive physical structure, viz., a given combination and general arrangement of body and coupon (with the suggestion that the two parts may be printed in different colors), accompanied by 'conventional indications' and instructions for the use and interpretation of the ticket. But the alleged patentable novelty does not reside in the arrangement of the printed text, nor does such text constitute merely a printed agreement. The argument to that effect overlooks the important consideration that the body alone is good at one time, and that the body and coupon are required for the other portion of the day; and that the ticket bears on its face, whether the body is used alone or with the coupon, the distinguishing indications. Nor is there merely an attempt to patent a form of a contract. The specifications do not confine the construction to either the style, or printed arrangement or language of the legends. The essential thing is that the required information be conveyed on the face of the ticket."

See also *Benjamin Menu Card Co.* v. *Rand, McNally & Co.*, C. C., 210 F. 285.

In *Rand, McNally & Co.* v. *Exchange Scrip-Book Co.*, 7 Cir., 187 F. 984, a patent was held valid, providing for a scrip book containing a series of coupons to be detached and exchanged for passage tickets. The essential feature was that the units were expressed in money instead of in miles, as in case of ordinary mileage tickets, so as to adapt them to more convenient use on transportation lines having different rates. This device, like the transfer ticket in *Cincinnati Traction Co.* v. *Pope*, supra, possessed a physical structure calling for a detachment of portions of it to pay fares. The court said that its use was not a mere method of doing business—

"but a physical tangible facility, without which the method would have been impracticable, and with which it is practicable." See 187 F. page 986.

It is to be observed that such tickets always have had physical characteristics apart from the mere paper, lettering and numbering, particularly detachability of portions corresponding with mileage or amount. In *Myers* v. *Coe*, 65 App. D. C. 362, 83 F.(2d) 708, there was ground for holding automobile license plates articles of manufacture within the meaning of the patent law, like the transfer tickets in *Cincinnati Traction Co.* v. *Pope*, 6 Cir., 210 F. 443, because the tabs attached to the license plates were removable. The decision of the same court in *Application of Sheffield*, 53 App. D. C. 109, 288 F. 463, where an improved method for visually indicating the structure and meaning of a sentence by printing in type of different kinds was held patentable is an extension of the Cincinnati Traction case and seems in conflict with our own in *Hotel Security Checking Co.* v. *Lorraine Co.*, 2 Cir., 160 F. 467, 24 L. R. A., N. S., 665, which we are inclined to follow.

The Court of Customs and Patent Appeals in a line of recent cases has affirmed rejection of applications for patents where the novelty has consisted simply in the arrangement of printing on paper. *In re Dixon*, 44 F.2d 881; *In re Russell*, 48 F.2d 668; *In re Reeves*, 62 F.2d 199; *In re Lockert*, 65 F.2d 159; *In re Sterling*, 70 F.2d 910. In the Sterling decision, page 912, that court said that:

"• • • patentable novelty cannot be predicated upon printing alone, but must reside in physical structure."

It viewed all prior cases in the lower Federal courts in which printed matter was involved and the patents were sustained, as presenting some new and useful physical form with printed matter adjusted to such form. In determining the proper classification of the subject-matter of patents and whether any particular subject-matter is patentable, the decisions of the Court of Customs and Patent Appeals, which is constantly concerned with such administrative questions, are entitled to weight. As is evident from the foregoing citations that court has for some time been standing firmly against the patentability of such a device as we now have before us.

The last matter for consideration is whether the devising of the communication sheet involved invention. The use of figures with breathers was long known, and the insertion of the name of each addressee in advertising matter equally so. The patentable novelty supposed to exist in the Latz device consists of the insertion of the name of the addressee within the border of the breather. The idea that such a placing of the addressee's name involves invention or justifies the monopoly afforded by a patent seems to us entirely unfounded. The device shown in U. S. Patent No. 861,747 issued to Mitchell which was before Judge Ward in *Mitchell* v. *International Tailoring Co.*, C. C., 170 F. 91, if the picture on the back of the fold had been that of the customer, would have embodied the general type of advertising described in the patent in suit and would closely have approximated the form of the advertising shown in Exhibit 16 which is alleged to infringe. All sorts of variations of this advertising can be readily imagined and actually created without calling for the exercise of any inventive faculty. Such advertising as is shown in defendants' Exhibits A–1 and B–1 illustrates ordinary types of advertising which lack only the insertion of the name of the addressee within the border of a breather to come within the patent. That an advertiser would become an infringer by inserting the name of his customer within that border seems fantastic.

The decree is reversed with directions to dismiss the bill.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

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1,514,664, F. T. Kennedy, Process of preparing iron for malleable castings, C. C. A., 6th Cir., Doc. 7457, *F. T. Kennedy* v. *General Motors Corp.* Patent held invalid Nov. 15, 1938.

1,521,941, G. B. Graf, Stop signal, D. C., W. D. Okla. (Oklahoma City), Doc. E 1789, *E. D. Cox.* v. *G. B. Graf, Sr., et al.* Patent held valid Nov. 10, 1938.

1,550,773, C. M. Baird, Hose coupling, D. C., E. D. Mich. (Detroit), Doc. 8260, *C. M. Baird et al.* v. *General Fire Truck Corp.* Patent held valid and infringed Nov. 9, 1938.

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1,689,037, W. C. Mordecai, Advertising device, D. C., S. D. N. Y., Doc. E 82/146, *W. C. Mordecai* v. *Lobica Laboratories, Inc., et al.* Discontinued (notice Nov. 10, 1938).

1,694,205, R. N. Chipman, Weed killer and method of killing weeds, D. C. N. J., Doc. E 3821, *Chipman Chemical Engineering Co., Inc.*, v. *Reade Mfg. Co., Inc.* Order voiding patent Dec. 2, 1937. Mandate affirming decree July 23, 1938.

1,728,837. (See Re. 19,929.)

1,731,967, L. J. Antonsen, Paper excelsior machine, D. C., S. D. Calif. (Los Angeles), Doc. E 978–M, *L. J. Antonsen et al.* v. *E. Rick.* Dismissed for want of prosecution Nov. 3, 1938.

1,739,041, N. B. Ragland, Flow device for oil wells, D. C., W. D. Okla. (Oklahoma City), Doc. E 1724, *N. B. Ragland* v. *W. L. Clark et al.* Dismissed without prejudice Apr. 9, 1938.

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1,776,455, W. V. Thompson, Sprinkler head, D. C., S. D. Calif. (Los Angeles), Doc. E 799–Y, *Thompson Mfg. Co.* v. *G. E. Moody.* Dismissed Nov. 2, 1938.

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1,911,289, W. T. Reddish, Method of cleaning fabrics, D. C., S. D. Ohio, W. Div., Doc. E 996, *Emery Industries, Inc.*, v. *The Fenton United Cleaning & Dyeing Co.* Dismissed Nov. 3, 1938.

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1,997,051, B. A. Engholm, Loud speaker, D. C. N. J., Doc. E 5671, *Rola Co.* v. *Best Mfg. Co., Inc.* Dismissed Oct. 10, 1938.

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2,016,670, W. W. Fassett, Sampling device, filed Oct. 24, 1938, D. C., N. D. Calif. (San Francisco), Doc. 21022–S, *W. W. Fassett* v. *A. Dahlstrom et al.*

2,029,618, H. Hopff, Production of alcohol, filed Oct. 17, 1938, D. C. N. J., Doc. 9, *Winthrop Chemical Co., Inc.*, v. *B. T. Bush, Inc., et al.*

2,047,784, S. Krakowski, Sound producing toy, D. C., S. D. N. Y., Doc. 1/158, *Ay-Won Toy & Novelty Corp.* v. *S. Goldfarb et al.* Consent decree for plaintiff (notice Nov. 15, 1938).

2,053,481, J. Kainen, Method of making buckle frames, D. C., S. D. N. Y., Doc. E 84/145, *Algren Mfg. Co., Inc.*, v. *S. Friedman* (*Improved Products Mfg. Co.*). Dismissed (notice Nov. 9, 1938).

2,062,748, H. Golden, Guard for lever openings, D. C., S. D. N. Y., Doc. E 85/218, *Magna Products Corp.* v. *Kastar Specialty Mfg. Co., Inc.* Stipulation discontinuing action (notice Nov. 2, 1938).

2,073,270, B. Valjean, Combustion apparatus, D. C., E. D. Mich. (Detroit), Doc. 8194, *Motor Wheel Corp.* v. *Lonergan Mfg. Co.* Decree for plaintiff granting injunction Nov. 10, 1938.

2,073,941, S. Lowen, Container closure, filed Aug. 30, 1938, D. C. N. J., Doc. E 5944, *Patent Tube Corp.* v. *Sun Tube Corp.*

2,089,720, R. A. Ferguson, Extension couches, filed Oct. 18, 1938, D. C. N. J., Doc. 49, *Simmons Co.* v. *Sure-Rest Bedding Co., Inc.* Same, filed Nov. 15, 1938, D. C., N. D. Ohio, W. Div., Doc. 19546, *Simmons Co.* v. *H. Rosen et al.*

2,095,223, A. O. Samuels, Fan, D. C., S. D. Ohio, W. Div., Doc. E 1064, *Samson-United Corp.* v. *W. C. Bertsche* (*Economy Accessories Co.*). Patent held valid and infringed Nov. 14, 1938.

Re. 16,542, W. L. Fairchild, Vulcanizing apparatus; 1,773,810, 1,680,777, same, Valve-stem-locking means for inner tube molds, C. C. A., 6th Cir., Doc. 7470, *Twemo Corp. et al.* v. *The Goodyear Tire & Rubber Co. et al.* Claims 22 and 24 of Re. 16,542, claim 1 of 1,773,810, and claim 1 of 1,680,777 held valid but not infringed; claims 30 to 33, inclusive, of Re. 16,542 and claim 4 of 1,773,810 held invalid in view of prior art, Nov. 14, 1938.

Re. 18,667, W. J. Dennis, Vermifuge and insecticide, filed Oct. 13, 1938, D. C., N. D. Ill., E. Div., Doc. 77, *W. J. Dennis et al.* v. *S. B. Penick & Co.*

Re. 19,342 (of 1,464,338), R. L. Puccinelli, Dehydrator, D. C., S. D. Calif., N. Div., Doc. E 121–D, *Chapman Dehydrator Co.* v. *C. E. Jenan et al.* Discontinued by stipulation Nov. 4, 1938.

Re. 19,513, Frank & Harper, Trolley for distributing systems, D. C., E. D. Mich. (Detroit), Doc. 7035, *Bull Dog Electric Products Co.* v. *Fife Electric Co.* Dismissed without prejudice (notice Nov. 1, 1938).

Re. 19,929 (of 1,728,837), G. Slayter, Method of heat insulating, filed Oct. 18, 1938, D. C. Md., Doc. 21, *Slayter & Co.* v. *Stebbins-Anderson Co., Inc.*

Re. 20,752, J. E. Plumstead, Method of producing puffed pulp, filed Sept. 29, 1938, D. C. Del., Doc. 3, *The Jessup & Moore Paper Co.* v. *West Virginia Pulp & Paper Co. et al.*

Re. 20,873 (of 1,769,947), J. M. Fullman, Connector for electrical conduits, appeal filed Nov. 9, 1938, C. C. A., 2d Cir., Doc. —, *The Thomas & Betts Co. et al.* v. *Electrical Fittings Corp. et al.*

Des. 97,789, J. Starr, Shoe, D. C., S. D. N. Y., Doc. E 83/370, *J. Starr* v. *Ansonia De Luxe Shops, Inc.* Discontinued (notice Nov. 12, 1938).

Des. 101,679, M. Porpora, Dress, D. C., S. D. N. Y., Doc. E 84/196, *L. Baum et al.* v. *Baron Dress Co.* Discontinued (notice Nov. 12, 1938).

Des. 101,923, C. J. Romer, Combination corsage handkerchief and perfume container, D. C., S. D. N. Y., Doc. 84/242, *C. J. Romer (Parfum Imports)* v. *Gotham Sales Co., Inc., et al.* Discontinued (notice Nov. 12, 1938).

Des. 103,046, A. R. Ellis, Sign, filed Nov. 2, 1938, D. C., N. D. Iowa (Cedar Rapids), Doc. 2, *F. Corey* v. *Checker Electric Supply Co., Inc.*

Des. 107,821, M. Fellegi, Textile fabric, D. C., S. D. Calif., C. Div., Doc. E 1352–H, *West Coast-Manchester Mills, Inc.*, v. *Pacific Knitting Mills, Inc.* Dismissed with prejudice pursuant to stipulation Aug. 6, 1938. Doc. E 1353–RJ, *West Coast-Manchester Mills, Inc.*, v. *Sporty, Inc.* Decree as above.

Des. 109,289, Bauer & Steiner, Brooch, filed Nov. 3, 1938, D. C., S. D. N. Y., Doc. 1/270, *E. Steiner et al.* v. *Pitti, Ltd., et al.* Doc. 1/271, *E. Steiner et al.* v. *Brooks & Co. et al.*

Des. 109,580, T. Coleman, Dress, D. C. N. J. (Trenton), Doc. E 5923, *A. S. Gross, Inc.*, v. *Biljac's, Inc.* Discontinued Sept. 6, 1938.

Des. 111,059, L. Berger, Dress, filed Nov. 15, 1938, D. C., S. D. N. Y., Doc. 1/314, *L. Rappaport (Ritzy Dress Co.)* v. *Avalon Dresses, Inc.*

Des. 111,122, D. D. Whyte, Curling comb, filed Nov. 9, 1938, D. C., S. D. N. Y., Doc. 1/296, *Injection Moulding Corp.* v. *S. H. Kress & Co., Inc.* Doc. 1/297, *Injection Moulding Corp.* v. *F. W. Woolworth Co.*

Des. 111,832, T. Coleman, Dress, filed Nov. 2, 1938, D. C., S. D. N. Y., Doc. 1/259, *A. S. Gross, Inc.*, v. *Town Miss, Inc.*

T. M. 300,073, The Texas Co., Gasoline, filed Oct. 22, 1938, D. C. Conn. (New Haven), Doc. 25, *The Texas Co.* v. *The National Petroleum Co., Inc.*

T. M. 331,239, N. D. Goldberg, Cordials, sloe gin, liqueurs, etc., filed Oct. 10, 1938, D. C., N. D. Ill., E. Div., Doc. 71, *Sunset, Inc.*, v. *Goldblatt Bros, Inc., et al.*

Changes in Classification

Order No. 3,450, December 12, 1938, directs:

In *class 195, Chemistry, Fermentation* (Division 63), change the title of subclass 40 to read:

Ultimate processes or products
Carbohydrates, fermentation of
Fermentation to non-carbohydrates
By yeasts only
40 With preformation of fermentands;

and in the definitions of subclasses 40 and 41 cancel "free from fermentations and".

In *class 8, Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers* (Division 43), cancel the existing definition of subclass 109 and substitute therefor the following:

109. Processes as defined under subclass 108 in which sulfur compounds and/or oxygen or oxygen releasing compounds are employed in addition to chlorine.

In *class 22, Metal Founding* (Division 3), subclass 89, renumber note (2) as (3), change the period to a comma and add *for sifting means per se;* and add the following note:

(2) Note.—For stirring and agitating means per se for such material, see appropriate subclass in class 259, AGITATING, and for such means in combination with preliminary means for separating large particles, see class 259.

In *class 48, Gas, Heating and Illuminating* (Division 64), subclass 180, number the existing notes as (*1*) and (*2*) and add the following note:

(3) Note.—For proportional mixing devices of more general use, see class 137, WATER DISTRIBUTION, subclass 165.

In *class 70, Locks* (Division 20), subclass 416, change note (2) to read:

(2) Note.—Static armor construction for key locks which is designed to prevent transmission of unauthorized force upon the exterior of the lock to disable the lock, will be found in this class, subclass 417.

In *class 74, Machine Elements and Mechanisms* (Division 12), subclass 26, number the existing note (*1*) and add:

(2) **Search Class—**
198—CONVEYERS, POWER DRIVEN, subclass 220;

in subclass 60 add the following to note (1):

For intermittent wabbler gearing, see this class, subclass 123;

and in subclass 123, in the note change "subclass 568" to read *subclasses 60 and 568.*

In *class 136, Batteries* (Division 60), in subclass 162, add the following note:

(3) Note.—For automatic liquid level control devices for batteries, but of more general use, see class 137, WATER DISTRIBUTION, subclass 68.

In *class 154, Laminated Fabric and Analogous Manufactures* (Division 56), subclass 19, in the reference to class 242, Winding and Reeling, change "subclass 2" to read *subclasses 2 and 3.*

In *class 158, Liquid and Gaseous Fuel Burners* (Division 19), subclass 118, in note (2) add the following:

137—WATER DISTRIBUTION, subclass 164 and indented subclasses, subclass 165 containing proportional mixers.

In *class 198, Conveyers, Power Driven* (Division 4), subclass 220, add the following note:

(3) **Search Class—**
74—MACHINE ELEMENTS AND MECHANISMS, subclass 26.

In *class 206, Special Receptacles and Packages* (Division 40), subclass 0.5, under "Search classes" cancel the reference to class 87, Oils, Fats and Glue.

In *class 240, Illumination* (Division 30), subclass 1.4, in note (2) change "subclasses 34 and 35" to read *subclass 42 and indented subclasses.*

Trade-Mark Registrations Canceled

186,460. Coats and capes. Rosing & Cohn, Inc., New York, N. Y. Registered July 8, 1924. Canceled November 29, 1938.

273,413. Ladies' felt hats. De Marinis & Lorie, Inc., New York, N. Y. Registered August 5, 1930. Canceled November 29, 1938.

341,285. Water-repellant army duck. Utica Duxbak Corporation, Utica, N. Y. Registered December 1, 1936. Canceled November 29, 1938.

344,933. Nonalcoholic beverages and syrup. Benjamin K. Allen, doing business as Allen Manufacturing Co., Memphis, Tenn. Registered April 6, 1937. Canceled November 10, 1938.

351,031. Canned citrus fruit juices. Florida Citrus Canners Cooperative, Lake Wales, Fla. Registered October 12, 1937. Canceled November 29, 1938.

357,456. Ladies' underwear and nightgowns. Sig Rosenthal Co. Inc., New York, N. Y. Registered June 7, 1938. Canceled November 29, 1938.

BULLETIN OF DECISIONS OF PATENT OFFCE ON TRADE-MARKS, LABELS, AND PRINTS

RENDERED DURING NOVEMBER, 1938

EX PARTE FIRESTONE BATTERY COMPANY, Serial No. 346,685.

In a decision rendered November 2, 1938 (163 Ms. Dec. 162), *Assistant Commissioner Frazer* held that Firestone Battery Company, of Akron, Ohio, is not entitled to register, under the act of 1920, as a trade-mark for storage batteries, the notation "Allrubber Separators".

In his decision, after stating that the Examiner had held the mark merely an indication of a characteristic of the goods and devoid of trade-mark significance, the Assistant Commissioner said:

"I have carefully considered the arguments advanced in applicant's behalf, but I am constrained to agree with the Examiner that the expression in question is not a trade-mark. It simply informs the observer that the battery to which it is affixed is equipped with all rubber separators, and if other manufacturers of batteries similarly equipped should desire to print the same information on their goods their right to do so seems too clear to permit of doubt."

With reference to the argument that the words had been somewhat distinctively displayed, he said:

"Counsel points to the fact that the words as used are somewhat distinctively displayed, but distinctive display adds nothing to the registrability of descriptive marks."

EX PARTE THE GRAY ENVELOPE MANUFACTURING CO., INC., Serial No. 59,835.

In a decision rendered November 2, 1938 (163 Ms. Dec. 163), *Assistant Commissioner Frazer* held that The Gray Envelope Manufacturing Co., Inc., of Brooklyn, N. Y., is not entitled to register a label where it appeared that the copyright notice had not been placed upon the goods in the manner required by section 18 of the Copyright Act.

In his decision the Commissioner, after stating that applicant's label was used with envelopes and stating that the statute required that in goods of this kind the owner's name should appear, said:

"As originally published the notice of copyright carried by applicant's label consisted merely of the letter C within a circle, followed by the notation 'G. E. M. Co. 1932'. This was held to be an insufficient compliance with the statute, and I think properly so."

Then, after noting that during the prosecution of the case applicant submitted specimens on which the original notice was blocked out and a proper notice including applicant's name substituted, he said:

"The propriety of such substitution is sought to be defended under the provision of rule 24 of the Patent Office rules relating to the registration of prints and labels, that, 'if the copies of the prints or labels furnished are for any reason not registrable under copyright law, the applicant may substitute copies when legally permissible and which conform to the requirements of said law.' The rule is clearly inapplicable. When applicant published its label without proper notice of copyright it lost its right to claim protection under the Copyright Act, and such right could not be revived by a subsequent publication with proper notice."

Then, after stating that applicant asserts that its envelopes bearing the label sought to be registered are sold in boxes on which applicant's full name appears and urges that this is sufficient compliance with the statute, he said:

"I think the contention is manifestly without merit, if for no other reason than that such a construction of the quoted language of the proviso would be in direct conflict with section 9 of the act, which requires that the notice 'shall be affixed to each copy' of the copyrighted work 'published or offered for sale in the United States'."

THE PINEX CO. *v.* ROCKLAND CHEMICAL CO., Opposition No. 16,528.

In a decision rendered November 3, 1938 (163 Ms. Dec. 166), *Assistant Commissioner Frazer* held that Rockland Chemical Co., of Newark, N. J., is not entitled to register the notation "Penn-X" as a trade-mark for disinfectants, etc., in view of the prior registration by The Pinex Co., of Fort Wayne, Ind., of the term "Pinex" for cough balsam.

In his decision the Assistant Commissioner stated that in legal contemplation the marks of the parties are the same and the only question is whether the goods are of the same descriptive properties, and that applicant argued that they were not of the same descriptive properties because its product was sold in large cans and drums while opposer's products are sold in small bottles in drug stores, and then said:

"This difference in trade practices is, of course, important in determining the present likelihood of confusion. But the proposed registration would include no restrictions with respect to the type or size of applicant's containers, the class of purchasers sought to be reached, or the manner in which sales may be effected. Applicant may change its merchandising methods at will, even to the extent of adopting small bottles in place of large cans, and selling through drug stores as well as to 'the agricultural and institutional trade' which is said to be its present outlet.

"Similarly packaged and distributed, I think there can be little question but that applicant's product and that of opposer must be regarded as of the same descriptive properties within the meaning of the Trade-Mark Act."

EX PARTE A. STEIN & COMPANY, Serial No. 400,826.

In a decision rendered November 3, 1938 (163 Ms. Dec. 164), *Assistant Commissioner Frazer* held that A. Stein & Company, of Chicago, Ill., is entitled to register, under the act of 1905, as a trade-mark for suspenders and garters, the notation "Free-Swing".

In his decision he said:

"It does not seem to me that the expression 'free swing' is one that would normally be used in describing either garters or suspenders. While the mark is highly suggestive of a claimed characteristic of applicant's merchandise, I do not think it is so objectionably descriptive as to warrant rejection of the application in the absence of opposition thereto."

EX PARTE KEM CARD SALES CORPORATION, Serial No. 398,905.

In a decision rendered November 14, 1938 (163 Ms. Dec. 171), *Assistant Commissioner Frazer* held that

Kem Card Sales Corporation, of New York, N. Y., is not entitled to register under the act of 1905 the word "Kem" as a trade-mark for playing cards.

The refusal to register is based on the ground that the mark is merely geographical.

In his decision the Assistant Commissioner noted that the word is the name of a river in Russia and stated that the case was virtually controlled by the ruling of the Court of Customs and Patent Appeals in *In re California Perfume Co.*, 19 C. C. P. A. 1028, 56 F.(2d) 885, where the term "Avon" which is the name of a river in England, was held unregistrable.

In his decision with reference to an argument presented by the applicant, he said:

"Applicant suggests that its mark does have a meaning other than geographical, calling attention to a marginal note in Webster's New International Dictionary to the effect that 'kem' is a Scotch and dialectal English variant of the word 'kemb'. This archaism of a foreign land is not in my opinion of sufficient significance to distinguish applicant's case from the one cited. Unless the alternative meaning of a geographical name or term is generally known to the American public such meaning would seem to be of no importance in determining the question of registrability."

He also noted that the ruling of the Court of Customs and Patent Appeals in *In re Plymouth Motor Corporation*, 18 C. C. P. A. 838, 46 F.(2d) 211, where it was held that the word "Plymouth" was not merely geographical but it acquired a secondary meaning and was therefore registrable, had been overruled by that same court in *In re Canada Dry Ginger Ale, Inc.*, 24 C. C. P. A. 804, 86 F.(2d) 830.

He further said with reference to a certain action of the Examiner of Trade-Marks:

"In one of his actions in the instant proceeding the Examiner of Trade-Marks indicated that applicant's mark may be registered with a disclaimer of the word 'Kem'. I think that ruling was erroneous. While applicant speaks of its 'composite trade-mark, consisting of the term "Kem" and a fanciful design', the fact remains that the word dominates the mark, and to permit a disclaimer would be a mere evasion of the statutory bar to registration."

WINGET KICKERNICK COMPANY *v.* ARTHUR ADELMAN, Opposition No. 16,153.

In a decision rendered November 14, 1938 (163 Ms. Dec. 169), *Assistant Commissioner Frazer* held that Arthur Adelman, of Brooklyn, N. Y., is entitled to register, as a trade-mark for women's underwear, a mark which the Examiner had described as "a pictorial representation of a girl in a dancing posture" which "is rather distinctive and somewhat grotesque" notwithstanding the prior use by the opposer of the notation "Skimpskamp" for the same goods.

In his decision, after stating that the opposition had been sustained by the Examiner of Interferences because in the specimen labels filed with the Adelman application there appeared in association with the mark the word "Scamp", the Assistant Commissioner said:

"I am clearly of the opinion that the Examiner's position is untenable. Applicant is not seeking to register its label, and extraneous matter appearing thereon can have no bearing on the question of confusing similarity between the trade-marks under consideration. The registration of applicant's pictorial representation will neither add to nor subtract from its right to use the word to which the Examiner objects. Nor is the Patent Office at liberty to say, as the Examiner in effect has done, that such word is a part of applicant's trade-mark. *In re Standard Underground Cable Co.*, 27 App. D. C. 320.

With reference to the argument that the mark was descriptive of the goods, he said:

"Opposer urges that registration should be refused on the ground that the mark is descriptive of the goods with which it is used, but on authority of *Jantzen Knitting Mills* v. *West Coast Knitting Mills*, 18 C. C. P. A. 843, 46 Fed.(2d) 182, this contention must be overruled.

R. W. ELDRIDGE COMPANY *v.* SOUTHERN HANDKERCHIEF MANUFACTURING CO., Trade-Mark Interference No. 2959.

In a decision rendered November 17, 1938 (163 Ms. Dec. 174), *Assistant Commissioner Frazer* held that Southern Handkerchief Manufacturing Co., of Greenville, S. C., is not entitled to register, under the act of 1905, as a trade-mark for handkerchiefs, the notation "All American".

In his decision, after stating that the Examiner of Interferences had adjudged that neither party to the interference was entitled to registration and that R. W. Eldridge Company, of Charlotte, N. C., had taken no appeal from that decision, and further stating that unquestionably the word "American" standing alone is purely geographical but that it is contended that the expression "All American" has acquired a secondary significance and is therefore no longer merely geographical, the Assistant Commissioner said:

"The fact that a geographical or descriptive word may have acquired a secondary meaning does not necessarily render such word registrable as a trade-mark. *In re Canada Dry Ginger Ale, Inc.*, 24 C. C. P. A. 804, 86 Fed.(2d) 830."

Then, after stating that he was not convinced that applicant's mark would have any other than a geographically descriptive significance to the average purchaser, he said:

"On the specimen labels, submitted with the application to 'show the trade-mark as actually used upon the goods', is printed the following:

'For your protection demand All American handkerchiefs. Made by American labor from American grown cotton. Woven in American cotton mills. Finished in American bleacheries. Full Employment makes prosperity. Buy American products.' (Punctuation added.)

"In other words, applicant claims to be producing an all-American article, which it aptly describes as such by the phrase here sought to be registered as a trade-mark."

DELBECK & CIE, SOCIETE A RESPONSABILITE LIMITEE *v.* JOSEPH DELLA MONICA, Cancellation No. 3147.

In a decision rendered November 17, 1938 (163 Ms. Dec. 172), *Assistant Commissioner Frazer* denied a motion, brought by Delbeck Cie, Societe a Responsabilite Limitee, of Reims, France, after the decision of the Commissioner affirming the decision of the Examiner of Interferences dismissing the petition for cancellation of the registration of a mark for champagne, to permit the taking of further testimony.

In his decision he stated that the motion was supported by an affidavit of one of the attorneys of the moving party that he was informed and believes that the party Monica had never obtained a certificate of approval from the Federal Alcohol Administration of the label on which the registered mark is used, that respondent had never used the registered mark on the goods described in the certificate of registration, that the mark had been abandoned and that the evidence which has now become available as to the nonuse of the mark was not available when the original testimony of the petitioner was taken.

He then said:

"The showing presented is clearly insufficient to warrant the somewhat extraordinary relief which petitioner seeks. Even had the motion been interposed at an earlier stage of the proceeding, it must at least have been supported by a statement as to the exact nature of the newly discovered evidence, and as to the reasons why it was not sooner available. Moreover, there is no basis in the pleadings for any of the proof now proposed to be submitted. Nonuse was not alleged in the petition; and if abandonment has occurred since this proceeding was instituted, petitioner's remedy is to file a second petition. As to respondent's asserted failure to procure a certificate of approval from the Federal Alcohol Administration, it may be observed that such certificates were not required by the Patent Office until December 15, 1936, whereas respondent's registration issued August 22, 1933."

BORG-WARNER CORPORATION *v.* CENTURY ENGINEERING CORPORATION, Opposition No. 16,331.

In a decision rendered November 18, 1938 (163 Ms. Dec. 175), *Assistant Commissioner Frazer* held that Century Engineering Corporation, of Cedar Rapids, Iowa, is not entitled to register the notation "Zeph-O-Lator" as a trade-mark for humidifiers, air washing units, etc., in view of the prior use by Borg-Warner Corporation, of Detroit, Mich., of the trade-mark "Aerolator" used upon air conditioning apparatus but of a type differing slightly from that dealt in by the applicant.

In his decision, after stating that the Examiner of Interferences was of the opinion that in view of the specific differences between the goods of the parties and the fact that such goods were relatively expensive, there was no likelihood of confusion, the Assistant Commissioner said:

"Applicant's proposed registration, however, would not be restricted to any particular type of air conditioning apparatus, the description of merchandise in the application being sufficiently broad to include the exact type to which opposer now applies its mark; so that for the purposes of this proceeding I think the goods of the parties must be regarded as substantially identical."

He then referred to three decisions of the Court of Customs and Patent Appeals, pointing out the distinctions between those cases and the present case, and with particular reference to *Kelvinator Corporation* v. *Norge Corporation*, 25 C. C. P. A. 857, 94 Fed.(2d) 384, he said:

"In *Kelvinator Corporation* v. *Norge Corporation* the goods were substantially the same, but the court held that under the particular circumstances of that case the marks 'Aerolator' and 'Kelvinator' differed sufficiently to insure against confusion, concluding its opinion with the following statment:

'Considering the marks in their entirety, the character of the goods of the parties and the degree of care and discrimination exercised by the purchasers of them, we are of opinion that their concurrent use by the parties on their respective goods would not be likely to cause confusion or mistake in the mind of the public, and that appellee is entitled to the registration of its mark.'

"There again the marks considered differed more greatly than do the marks here in question. 'Aerolator' and 'Kelvinator' have nothing in common save the suffix 'ator'. In 'Zeph-O-Lator' and 'Aerolator' the last six letters are identical, and both expressions convey the same suggestive significance, namely, something pertaining to the movement or treatment of air."

EDWIN L. GRAUEL *v.* AMERICAN PULLMATCH CORPORATION, Trade-Mark Interference No. 2946.

In a decision rendered November 25, 1938 (163 Ms. Dec. 177), *Assistant Commissioner Van Arsdale* held that Edwin L. Grauel, of Cincinnati, Ohio, is not entitled to register as a trade-mark for matches, the word "Pulmatch".

The ground of the decision is that the mark is descriptive and is the name of a corporation.

In his decision, after stating that the interference between Grauel's application and the application of American Pullmatch Corporation of Piqua, Ohio, had been dissolved because in the opinion of the Examiner the mark was not registrable to Grauel as being the complete appropriation of the corporate name "Pullmatch, Incorporated", and also a substantial appropriation of the corporate name of "American Pullmatch Corporation", the Assistant Commissioner, with reference to the right of the Office to dissolve the interference under such conditions, said:

"The motion to dissolve herein asserts statutory grounds alleged to preclude registration of appellant's mark, and obviously denies the registrability of the mark to an applicant. Accordingly, under the statute and the rules, if this applicant's mark would be unregistrable to him on statutory grounds even though he should support his contentions as to the questions of priority raised by him, it is proper that the interference be dissolved and registration be refused on his application without proceeding to a determination of the questions relating to priority.

"In my opinion, the question of priority of rights in appellant's mark would not be determinative of his right to registration in the present case, for the reason that, regardless of the date of adoption and use by appellant, appellant's mark would nevertheless be unregistrable because it is merely descriptive of the goods to which the mark is applied and thus barred from registration by section 5 of the Trade-Mark Act of February 20, 1905, as amended, which states that no mark which consists merely in words which are descriptive of the goods with which they are used or of the character of such goods, shall be registered under the terms of that act."

Then, with reference to the descriptiveness of the mark, he said:

"An examination of these specimens shows that the containers are designed and intended to hold matches in such a way as to require the matches to be pulled out, and to my mind the word 'Pulmatch', applied to these containers, is merely descriptive, not only of the containers intended to hold matches in such a way that they are to be pulled therefrom, but also of the matches which the user withdraws from the container by pulling them out. Accordingly, it is my view that, under section 5 of the Trade-Mark Act of 1905, as amended, the word 'Pulmatch' should be held to be unregistrable under that act because of being merely descriptive of the goods to which the mark is stated to be applied.

"This bar of descriptiveness may be raised at this time, although not raised before or considered by the tribunals below."

Then, with reference to the corporate name question, after citing and quoting from the decision in *Howard Company* v. *Baldwin Company*, 48 App. D. C. 437, he said:

"Although applicant's mark is descriptive, whereas the word 'Howard' was a surname in common use, in accordance with the decision in the Howard case it is immaterial to the question of the registrability of appellant's mark whether or not appellant adopted and used his mark prior to the incorporation of the corporations Pullmatch, Incorporated, and American Pullmatch Corporation."

He then referred to applicant's argument that he could prove consent to his registration by Pulmatch, Inc., a corporation incorporated in 1930, which is now out of existence, but whose incorporation was prior to the incorporation of the other two corporations above referred to, and said:

"This issue which appellant seeks to raise appears to me to be entirely immaterial because in my opinion appellant's mark 'Pulmatch' does not appear in some particular or distinctive manner or in association with a portrait of the individual, and consent by Pulmatch, Inc. would not lend registrability to the mark or overcome the express prohibition included in section 5 of the Trade-Mark Act of February 20, 1905, as amended, against reg-

istration of such mark. *In re American Steel & Wire Co.*, 23 C. C. P. A. 841, 81 Fed.(2d) 397; *Vitab Products, Inc., v. Knox Company*, decided April 12, 1938, 37 U. S. P. Q. 343, 490 O. G. 976.

EX PARTE RETAIL CLERKS INTERNATIONAL PROTECTIVE ASSOCIATION, Serial No. 387,514.

In a decision rendered November 28, 1938 (163 Ms. Dec. 182), *Assistant Commissioner Van Arsdale* held that Retail Clerks International Protective Association, of Lafayette, Ind., is not entitled, under the act of 1905, to register its insignia as a trade-mark for lithographed cards or signs.

In his decision the Assistant Commissioner pointed out what was disclosed by the facsimiles filed with the application and stated that the indications on the card were to the effect that the store in which the card was displayed is affiliated with Retail Clerks International Protective Association.

He then said:

"Applicant points out that the mark is both ornamental and arbitrary, which is conceded. Applicant also states: 'It is true that it is the insignia of the association, but there is nothing in the trade-mark statute to indicate that an association may not register its own insignia applied to goods sold in interstate commerce.' However, consideration must be given to another aspect, and that is whether the use of the mark is a trade-mark use or whether it is a use that has no true trade-mark significance. If the latter, the mark is not registrable under the act of February 20, 1905, as amended, as has been held frequently heretofore with respect to marks of the same general character as applicant's mark. (Citing decisions.)

* * * * * * *

"As I view the specimens filed with the application, the insignia depicted thereon is so prominently displayed that it can have no significance other than to indicate that it is an advertisement of the applicant association and designates that the store is affiliated with the applicant association, or in other words, that the store has a contract with and is serviced by applicant association in connection with certain labor union matters. To my mind, the manner in which this insignia is displayed on the display card is not such as indicates that the insignia is applied to the cards as a trade-mark for the cards themselves as articles of commerce."

EX PARTE F. & M. IMPORTING CO., INC., Serial No. 67,591.

In a decision rendered November 28, 1938 (163 Ms. Dec. 180), *Assistant Commissioner Frazer* held that F. & M. Importing Co., Inc., of Los Angeles, Calif., is not entitled to register a label for edible oil where that label includes a representation of the Christ Child in the arms of St. Joseph.

In his decision, after referring to and quoting from the decision of the Court of Customs and Patent Appeals in *In re Riverbank Canning Co.*, 25 C. C. P. A. 1028, 95 Fed.(2d) 327, where the word "Madonna" was held unregistrable as a trade-mark for wines, the Assistant Commissioner said:

"So here, applying the rule of equivalents, one must consider the propriety of commercializing the name of the Savior, and were the application one for trade-mark registration the cited case would be controlling. While the statutory prohibition does not expressly relate to label registrations, I am clearly of the opinion that even in the absence of statutory authority registration may properly be refused either of trade-marks or labels involving matter which is manifestly scandalous, immoral, sacrilegious, or otherwise offensive to the public. That applicant's label would be so regarded by numerous individuals I have no doubt.

"Applicant points to a somewhat similar label which was registered to a competitor many years ago, and asserts that to deny the present application 'would be obviously highly discriminatory and unfair'. In the Riverbank Canning Co. case several registrations of the word 'Madonna' had been made of record in support of a like argument. The court said:

"'Whether such registrations were properly issued is not before us, and their issuance constitutes no reason why the registration of appellant's mark here involved should be allowed if it is in fact scandalous.'"

JOSEPH TETLEY & CO., INC., *v.* FANT MILLING COMPANY (TEX-O-KAN FLOUR MILLS COMPANY JOINED WITH APPLICANT), Oppositions Nos. 16,486 and 16,517, and Cancellation No. 3200.

In a decision rendered November 30, 1938 (163 Ms. Dec. 183), *Assistant Commissioner Frazer* held that Fant Milling Company, of Sherman, Tex., is entitled to register, as trade-marks for wheat flour, two marks containing pictures of elephants and respectively the words "King Elefant" and "King Elefant Special", notwithstanding the prior adoption and use by Joseph Tetley & Co., Inc., of New York, N. Y., of a mark which includes the head of an elephant together with other design features and printed matter including the words "Tetley's Tea". He also held that Fant Milling Company was entitled to register, for the same goods, a mark consisting of the notation "Red Elefant", and that no ground had been shown for the cancellation of that registration.

The ground of the decision is that in view of the differences in goods and the differences in the marks there is no likelihood of confusion.

In his decision, after pointing out what the marks were, the Assistant Commissioner said, with reference to the goods:

"That wheat flour and tea possess the same descriptive properties within the meaning of the Trade-Mark Act there is no longer room for doubt, and if sold under identical trade-marks it is quite possible that confusion may result."

He then said:

"However, the marks here under consideration are far from being identical. Appellant's marks include the representation of an elephant, and appellee's mark includes the representation of an elephant's head. But that fact alone does not necessarily render the marks as a whole confusingly similar. In view of the wide differences in the character of the goods, it is my opinion that they are not.

"In reaching a contrary conclusion the Examiner of Interferences appears to have been influenced to a great extent by a statement in appellee's registration to the effect that the essential feature of its trade-mark 'is the representation of an elephant's head and two cases or packages suspended from the trunk'. I think this amounts to nothing more than would a disclaimer of other features under the present practice, and that such features may not properly be disregarded in comparing the marks."

Then, after quoting from the decision of *Joseph Tetley & Co.* v. *Bay State Fishing Co.*, 23 C. C. P. A. 969, 82 Fed.(2d) 299, where the court had held that marks must be considered as a whole even though certain words had been disclaimed, he said:

"So considered, and taking into account the fact that the goods of the parties are but slightly related, I am unable to believe that there is any reasonable likelihood that confusion or mistake will result from the concurrent use of the marks before me."

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 27, 1938

[VOL. 497. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 409,761. BRICKNER & BERNFELD, INC., New York, N. Y. Filed Aug. 19, 1938.



Applicant disclaims the words "Pryme Scin" and "Seal-Dyed Coney" except as shown.

For Fur Skins.

Claims use since May 10, 1938.

CLASS 2

Receptacles

Ser. No. 401,942. ONEIDA PAPER PRODUCTS, INC., New York, N. Y. Filed Jan. 15, 1938.



The portrait is fanciful. Applicant disclaims the words "Baker Bags" apart from the mark.

For Cellophane, Glassine, or Paper Bags Which are Sold in Trade Empty.

Claims use since Jan. 3, 1938.

Ser. No. 409,890. PROTEX PRODUCTS COMPANY, Jersey City, N. J. Filed Aug. 23, 1938.

Transpara

For Garment Bags, Fur Scarf Bags, Hat Bags, Blanket and Comforter Bags, Lingerie Bags, Food Bags, Electric Appliance Covers.

Claims use since July, 1937.

Ser. No. 411,877. MCGRAW ELECTRIC COMPANY, Chicago, Ill. Filed Oct. 21, 1938.

TOASTMASTER

For Receptacles for Household Use, Particularly Non-Metallic Trays.

Claims use since July 20, 1934.

Ser. No. 411,883. MCGRAW ELECTRIC COMPANY, Chicago, Ill. Filed Oct. 21, 1938.

HOSPITALITY

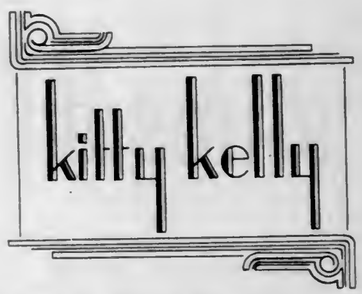
For Receptacles for Household Use, Particularly Non-Metallic Trays.

Claims use since July 20, 1934.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 368,334. KITTY KELLY SHOE CORPORATION, New York, N. Y. Filed Aug. 15, 1935.



"Kitty Kelly" is a fictional name.

For Travelling Bags, Hand Bags, Trunks, Pocketbooks, Suit-Cases, Bill Folds, Portfolios, and Travelling Kits—Namely, Bags or Rolls for Holding Toilet or Other Articles for Travelling.

Claims use since Oct. 1, 1930.

Ser. No. 411,487. BETTY ANNE BAG COMPANY, Newburgh, N. Y. Filed Oct. 11, 1938.



The portrait is fanciful.
For Misses' and Children's Handbags Made of Leather, Fabric, Leather Compositions, and Combinations Thereof.
Claims use since July 22, 1936.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 409,443. SOCIETE D'ELECTROCHIMIE, D'ELECTROMETALLURGIE ET DES ACIERIES ELECTRIQUES D'UGINE, Paris, France. Filed Aug. 10, 1938.

CRISTALBA

For Aluminous Abrasives.
Claims use since Apr. 13, 1933.

Ser. No. 411,875. LUCKY CHEMICAL LABORATORY INC., Kearny, N. J. Filed Oct. 21, 1938.

LUCKY
• WHITE •

The word "White" is disclaimed apart from the mark.
For Shoe Cleaner.
Claims use since Aug. 4, 1938.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 398,065. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Oct. 2, 1937.

RAINSOFT

For Water Softener; Including Water Permeable Container and Material Contained Therein.
Claims use since June 1, 1936.

Ser. No. 402,952. THE REVLON NAIL ENAMEL CORPORATION, New York, N. Y. Filed Feb. 11, 1938.

LANCER

For Enamel Adapted for Coating Finger Nails.
Claims use since Jan. 25, 1938.

Ser. No. 403,422. THE REVLON NAIL ENAMEL CORPORATION, New York, N. Y. Filed Feb. 25, 1938.

CRICKET

For Enamel Adapted for Coating Finger Nails.
Claims use since Feb. 9, 1938.

Ser. No. 407,014. VINCENT CHRISTINA, INC., New York, N. Y. Filed June 2, 1938.

THIOBISARSON

For Preparation Used in the Treatment of Syphilis.
Claims use since June, 1934.

Ser. No. 407,113. FRANK W. SHEAN, Tucson, Ariz. Filed June 4, 1938.

Arthoaid

For Bath Solution, a Preparation in Liquid Form for the Treatment of Stiffness or Soreness of Joint or Muscle.
Claims use since Mar. 1, 1938.

Ser. No. 408,058. WILLIAM F. HUEBNER, doing business as Hiaid Products Co., Milwaukee, Wis. Filed June 30, 1938.



The word "Aid" is disclaimed apart from the mark.
For Disinfectant, Chemical Soapless Washing Fluid and Water Softener, Bleach, Deodorant, Germicide, Bluing, Soapless Shampoo, and Moth Crystals.
Claims use since June 1, 1938.

Ser. No. 409,273. LENTHERIC, INCORPORATED, New York, N. Y. Filed Aug. 5, 1938.

Golden Monkey

For Vanity Case Containing Rouge.
Claims use since July 18, 1938.

Ser. No. 409,293. WALLACE V. CALLENDER, doing business as Retinning Manufacturing Co., Chicago, Ill. Filed Aug. 6, 1938.

"RUBBERLINE"

For Acid and Alkali Resisting Compound.
Claims use since Jan. 2, 1925.

Ser. No. 409,941. RONA LABORATORIES, LIMITED, London, England. Filed Aug. 24, 1938.

ARGOTONE

For Medicated Preparations for Human Use in the Treatment of Colds and Hay Fever.
Claims use since November, 1937.

Ser. No. 410,240. SNOWTEX CHEMICAL CO., Melrose, Mass. Filed Sept. 2, 1938.

Snowtex

For Laundry Bleach.
Claims use since Aug. 19, 1938.

Ser. No. 410,474. THE NUTEX COMPANY, Philadelphia, Pa., assignor to The Sanitube Company, Newport, R. I., a corporation of Rhode Island. Filed Sept. 12, 1938.



The outline of a tube is disclaimed apart from the mark.
For Preparations Indicated in and for the Prevention and Treatment of Social Diseases.
Claims use since June, 1936.

Ser. No. 410,951. FRANCES DENNEY, Philadelphia, Pa. Filed Sept. 24, 1938.

You and I

For Toilet Preparations—Namely, Eau de Cologne.
Claims use since Sept. 15, 1938.

Ser. No. 411,079. BOURJOIS, INC., New York, N. Y. Filed Sept. 29, 1938.



Applicant is owner of T. M. Reg. Nos. 89,313, 99,940, and 125,930, effected under the 10-year proviso. Applicant disclaims the term "New York" per se.
For Face Powder.
Claims use since Sept. 15, 1938.

Ser. No. 411,225. INDUSTRIAL SOAP CO., St. Louis, Mo. Filed Oct. 3, 1938.

MEDLEX

For Shampoo.
Claims use since Mar. 1, 1938.

Ser. No. 411,339. THE NATIONAL DRUG COMPANY, Philadelphia, Pa. Filed Oct. 6, 1938.

Theopropanol

For Tablets to be Taken Internally into the Stomach and Ampules Used for Intramuscular and Intravenous Injection in the Treatment of Angina Pectoris, Coronary Thrombosis, Cardiac Edema, Essential Hypertension and in Any Condition in Which a Vasodilating or a Coronary Dilating Action is Desired.
Claims use since Oct. 1, 1937.

Ser. No. 411,348. TABLE ROCK LABORATORIES, INC., Greenville, S. C. Filed Oct. 6, 1938.

BEFACLIN

For Solution and Compressed Tablets Containing the Whole Vitamin B Complex and to be Beneficial for the Treatment of Vitamin B Deficiencies.
Claims use since Sept. 1, 1938.

Ser. No. 411,627. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif. Filed Oct. 15, 1938.

SCRAM

For Dog Repellents.
Claims use since Oct. 7, 1938.

Ser. No. 411,629. JAMES R. DUPUY, doing business as Dupree Drug Store, Memphis, Tenn. Filed Oct. 15, 1938.

NUXINE

For General Tonics.
Claims use since July, 1923.

Ser. No. 411,656. RIT PRODUCTS CORPORATION, Chicago, Ill. Filed Oct. 15, 1938.

RIT

For Dyes Combined with Wetting Agents.
Claims use since Dec. 1, 1916.

Ser. No. 411,664. VAPORATE COMPANY, INC., New York, N. Y. Filed Oct. 15, 1938.

VAPORATE

For Chemicals for Treating Films.
Claims use since Oct. 5, 1938.

Ser. No. 411,745. THE MATHIESON ALKALI WORKS (INC.), New York, N. Y. Filed Oct. 18, 1938.

MICRONOX

For Bactericide, Germicide, Deodorant, Insecticide, and Fungicide.
Claims use since Oct. 3, 1938.

Ser. No. 411,775. GENERAL DYESTUFF CORPORATION, New York, N. Y. Filed Oct. 19, 1938.

NULLAPON

For Water-Softening Chemicals.
Claims use since Sept. 29, 1938.

Ser. No. 411,776. GENERAL DYESTUFF CORPORATION, New York, N. Y. Filed Oct. 19, 1938.

VULTRAMINE

For Chemicals Used for Accelerating the Vulcanization of Rubber.
Claims use since Aug. 3, 1938.

Ser. No. 411,965. CLAUDE M. OWEN, SR., doing business as Sil-Kal Co., Kansas City, Mo. Filed Oct. 22, 1938.

SIL-KAL

For Prophylactic Preparation for the Prevention of Venereal Diseases.
Claims use since Sept. 20, 1938.

Ser. No. 412,007. THE PAUL PLESSNER COMPANY, Detroit, Mich. Filed Oct. 24, 1938.

DUOCHOL

For Preparation Used in the Treatment of Gall Bladder, Bile Duct, and Liver Disturbances.
Claims use since Nov. 15, 1929.

Ser. No. 412,031. HERCULES POWDER COMPANY, Wilmington, Del. Filed Oct. 25, 1938.

TEXTAC

For Textile Sizing Material.
Claims use since Apr. 14, 1938.

Ser. No. 412,140. HERCULES POWDER COMPANY, Wilmington, Del. Filed Oct. 28, 1938



For Antifoaming Agents, Defoaming Agents, Dyeing Agents, Including Fast Black H. Y., Fast Black N. Y., Fast Black N. Y. 4, Para Black, Hematine Black, Bleachers Blue, Bleachers Tint, Indigo Substitute; Mordants, Including Acetate of Alumina, Acetate of Chromium, Acetate of Iron, Acetate of Lime, Oxalate of Tin, Sulphocyanide of Alumina; Paper Fillers, Including Satin White, Snow White, Blanc Fixe; Sulfonated Oils and Sulfonated Fats, Including Sulfonated Castor Oil, Sulfonated Cocoanut Oil, Sulfonated Corn Oil, Sulfonated Neatsfoot Oil, Sulfonated Oleic Acid, Sulfonated Olive Oil, Sulfonated Red Oil, Sulfonated Sperm Oil, Sulfonated Tallow Oil, Sulfonated Teaseed Oil and Sulfonated Rice Bran Oil, Sulfonated Soya Bean Oil, Turkey Red Oil, Oils and Fats Used in Processing Textiles; Sizing Materials for Paper, Including Pearl Size and Rosin Size, Wool Processing Oils, Rayon Coning Oils, Rayon Processing Oils, and Carnauba Wax Emulsion.
Claims use since Nov. 17, 1936.

Ser. No. 412,190. S. H. KRESS AND COMPANY, New York, N. Y. Filed Oct. 29, 1938.

DART

For Liquid Solder, Toilet Bowl Deodorant, and Dentifrices.
Claims use since Jan. 20, 1938.

Ser. No. 412,269. THE SELIG COMPANY, INC., Atlanta, Ga. Filed Nov. 1, 1938.

FYTER

For Insecticides.
Claims use since June 18, 1935.

Ser. No. 412,286. EDITH BRADLEY, New York, N. Y. Filed Nov. 2, 1938.

Ceegloss EDITH BRADLEY'S PRODUCTS

The word "Products" is disclaimed apart from the mark.
For Scalp Toning and Hair Rejuvenating Preparations.
Claims use since January, 1938.

Ser. No. 412,299. S. H. MILLER & COMPANY, doing business as Miller Laboratories, Youngstown, Ohio. Filed Nov. 2, 1938.

Sammil's

For Proprietary Medicines—Namely, Malt Extract With Cod Liver Oil, Halibut Liver Oil, Aspirin, Cod Liver Oil Extract Tablets, Syrup Cocillana, a Yeast Iron and Nux Vomica Compound, an Ephedrine Inhalant, Alkaline Effervescent Tablets, Nervine, an Extract of Cod Liver Oil Preparation, Vaginal Suppositories, Rectal Suppositories, and Agar and Oil With Cascara.
Claims use since February, 1938.

Ser. No. 412,303. OYEZ CHEMICAL COMPANY, New York, N. Y. Filed Nov. 2, 1938.

OYEZ



For Wall Paper Remover and Cleaner.
Claims use since Sept. 8, 1938.

Ser. No. 412,356. PREMO PHARMACEUTICAL LABORATORIES, INC., New York, N. Y. Filed Nov. 3, 1938.

CAFOTAN

For Preparation for the Relief of Pain Due to Headaches, Colds, Neuralgia, Etc.
Claims use since July 1, 1936.

Ser. No. 412,364. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Nov. 3, 1938.

ZELAN

For Chemical Compound Being in the Nature of a Textile Finish With Water Repellent Characteristics.
Claims use since Oct. 20, 1938.

Ser. No. 412,404. ATLAS POWDER COMPANY, Wilmington, Del. Filed Nov. 5, 1938.

ARLEX

For Derivatives of Hexahydric Alcohols and Inner Ethers Thereof.
Claims use since Oct. 12, 1938.

Ser. No. 412,466. SCHERING CORPORATION, Bloomfield, N. J. Filed Nov. 7, 1938.

GOCALKER

For Medicinal Preparation Recommended for the Treatment of Dermatological Conditions, for Instance, Lupus Erythematosus, Chronic Arthritis, and Chronic Infectious Diseases.
Claims use since Sept. 7, 1938.

Ser. No. 412,608. LENTHERIC, INCORPORATED, New York, N. Y. Filed Nov. 10, 1938.

CARAVAN

For Perfumes and Cosmetic Creams.
Claims use since Oct. 31, 1938.

Ser. No. 412,646. LENTHERIC, INCORPORATED, New York, N. Y. Filed Nov. 12, 1938.

SMOKE

For Perfumes and Cosmetic Creams.
Claims use since Nov. 3, 1938.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 408,552. SALVATORE TRIDICO, Brooklyn, N. Y. Filed July 15, 1938.



The word "Cigarettes" and the representation of a label per se are disclaimed apart from the mark.
For Cigarette Wrappers.
Claims use since Jan. 2, 1936.

Ser. No. 412,338. VINCENT A. HERR, doing business as Smok-O-Luxe Mfr's., Collinsville, Ill. Filed Nov. 3, 1938.

SMOK - O - LUXE

For Ash Trays and Holders for Cigars and Cigarettes.
Claims use since Oct. 26, 1938.

CLASS 11

Inks and Inking Materials

Ser. No. 408,670. JOHN UNDERWOOD & Co., Brooklyn, N. Y. Filed July 19, 1938.

UNIVERSAL

For Typewriter Ribbons.
Claims use since June 28, 1938.

CLASS 12

Construction Materials

Ser. No. 398,491. H. H. ROBERTSON COMPANY, Pittsburgh, Pa. Filed Oct. 14, 1937.

Hubbellite

For Building Cement.
Claims use since Oct. 13, 1936.

Ser. No. 409,411. NAAMLOOZE VENNOOTSCHAP HOUTINDUSTRIE "PICUS" VOORHEEN J. BRÜNING & ZOON, Eindhoven, Netherlands. Filed Aug. 9, 1938.



PICUS

For Wooden Goods—Namely, Plywood, Veneers, and Doors, Being Construction Materials.
Claims use since Sept. 8, 1911.

Ser. No. 411,447. DAVIDSON ENAMEL PRODUCTS, INC., Lima, Ohio. Filed Oct. 10, 1938.

VIT-ROCK

No claim is made to the word "Rock" apart from the mark.
For Building Blocks or Units Faced with Porcelain Enamel Steel.
Claims use since Sept. 9, 1938.

Ser. No. 411,792. PLIBRICO JOINTLESS FIREBRICK COMPANY, Chicago, Ill. Filed Oct. 19, 1938.

PLISULATE

For Plastic Heat Insulating Material.
Claims use since July 14, 1938.

Ser. No. 412,016. WASHBURN BROTHERS COMPANY, Glasco, N. Y. Filed Oct. 24, 1938. Under 10-year proviso.

WASHBURN

For Bricks.
Claims use since Apr. 1, 1890.

Ser. No. 412,106. S. H. KRESS AND COMPANY, New York, N. Y. Filed Oct. 27, 1938.



For Plastic Wood.
Claims use since January, 1934.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 406,637. ECONOMY FAUCET CO., Newark, N. J. Filed May 23, 1938.

ECONOMY

For Faucets and Valves for Dispensing Beverages.
Claims use since 1932.

Ser. No. 411,073. THE ALLYN GARDNER COMPANY, Baltimore, Md. Filed Sept. 29, 1938.

A-GAR-CO

For Metal Baking Pans.
Claims use since Oct. 1, 1937.

Ser. No. 411,958. MACCLATCHIE MANUFACTURING COMPANY OF CALIFORNIA, Compton, Calif. Filed Oct. 22, 1938.

LUBRICHECK

For Plug Valves.
Claims use since Aug. 19, 1938.

Ser. No. 412,114. PENNSYLVANIA WOVEN WIRE COMPANY, Lock Haven, Pa. Filed Oct. 27, 1938.

OTEN

For Screen Wire Cloth.
Claims use since Jan. 1, 1927.

Ser. No. 412,115. PENNSYLVANIA WOVEN WIRE COMPANY, Lock Haven, Pa. Filed Oct. 27, 1938.

SYLVANOID

For Screen Wire Cloth.
Claims use since Jan. 1, 1926.

Ser. No. 412,242. WOODINGS-VERONA TOOL WORKS, Verona, Pa. Filed Oct. 31, 1938.

TRIFLEX

For Spring Washers.
Claims use since June 30, 1937.

CLASS 15

Oils and Greases

Ser. No. 412,118. TIDE WATER ASSOCIATED OIL COMPANY, New York, N. Y. Filed Oct. 27, 1938.

FOUR SEASONS

For Gasoline, Lubricating Oils and Greases.
Claims use since Sept. 8, 1938.

CLASS 16

Paints and Painters' Materials

Ser. No. 410,395. IVANO INC., Chicago, Ill. Filed Sept. 9, 1938.

IVANITE

For Preparation in the Form of a Paste Used to Clean, Preserve, and Beautify Automobiles and Other Coated and Finished Surfaces by Producing a Film or Coat Thereon.
Claims use since July 14, 1938.

Ser. No. 410,396. IVANO INC., Chicago, Ill. Filed Sept. 9, 1938.

IVANITE

PREFIX

For Preparation in the Form of a Paste Used to Clean, Preserve, and Beautify Automobiles and Other Coated and Finished Surfaces by Producing a Film or Coat Thereon, and a Preparation in the Form of a Liquid Used to Clean, Preserve and Beautify Automobiles and Other Coated and Finished Surfaces by Producing a Coat Thereon.
Claims use since July 14, 1938.

Ser. No. 410,944. AMERICAN POLYTECT CORPORATION, New York, N. Y. Filed Sept. 24, 1938.

MULSENE

For Paints in Dry Form and in Paste Form.
Claims use since May, 1938.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 409,348. FORD MOTOR COMPANY, Dearborn, Mich. Filed Aug. 8, 1938.

FORD

MERCURY

For Passenger and Commercial Automobiles.
Claims use since Aug. 1, 1938.

Ser. No. 409,349. FORD MOTOR COMPANY, Dearborn, Mich. Filed Aug. 8, 1938.

FORD-MERCURY

For Passenger and Commercial Automobiles.
Claims use since Aug. 1, 1938.

Ser. No. 409,350. FORD MOTOR COMPANY, Dearborn, Mich. Filed Aug. 8, 1938.

MERCURY

For Passenger and Commercial Automobiles.
Claims use since Aug. 1, 1938.

Ser. No. 411,913. STOWAWAY BOAT COMPANY, Long Island City, N. Y. Filed Oct. 21, 1938.

Stowaway folds

The word "Folds" is disclaimed apart from the mark.
For Folding Boats.
Claims use since June 13, 1938.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 403,958. NATIONAL ELECTRIC PRODUCTS CORPORATION, Pittsburgh, Pa. Filed Mar. 11, 1938.

"La-in"

For Electrical Duct and Fittings for Surface Wiring Systems.
Claims use since Jan. 7, 1938.

Ser. No. 411,047. CONDUIT FITTINGS CORPORATION, Chicago, Ill. Filed Sept. 28, 1938.



For Conduit Fittings, Couplings, Bushings, Connectors, Straps, Capped Elbows, Surface Heads, Lock Nuts, and Entrance Caps for Electrical Work.
Claims use since Aug. 2, 1938.

Ser. No. 412,217. BURGESS BATTERY COMPANY, Freeport, Ill. Filed Oct. 31, 1938.



For Dry Batteries and Flashlight Cases.
Claims use since March, 1917, on dry batteries; since August, 1926, on flashlight cases.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 411,036. PARKER BROTHERS, INC., Portland, Me. and Salem, Mass. Filed Sept. 27, 1938.

QUICK WIT

For Card Game.
Claims use since June 6, 1938.

Ser. No. 411,266. CHARLES B. CHATFIELD, Woodbury, Conn. Filed Oct. 4, 1938.

PLUS+LITE

For Marking Boards and Crayons for Use as Toys.
Claims use since Sept. 26, 1938.

Ser. No. 411,465. PAUL BUNYAN, INC., St. Paul, Minn. Filed Oct. 10, 1938.

PAUL BUNYAN

Paul Bunyan is a legendary character in the logging industry.
For Board Game Played with Movable Pieces.
Claims use since Oct. 3, 1938.

Ser. No. 411,526. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo. Filed Oct. 12, 1938.

STANNOX

For Foot Balls, Soccer Balls, Basket Balls, Boxing Gloves, and Toys and Mechanical Goods for Children—Namely, Wagons, Velocipedes, Park Cycles, Automobiles, Scooters, Doll Carriages, Wheel Barrows, Pedal Bikes, Baby Walkers, Sleds, and Hand Cars.
Claims use since Aug. 25, 1938.

Ser. No. 412,135. GOTHAM PRESSED STEEL CORP., New York, N. Y. Filed Oct. 28, 1938.

CHINGKA-CHEK

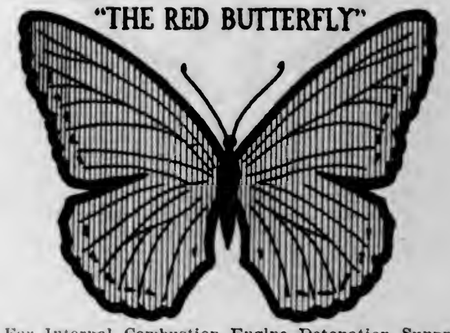
For Game of Chinese Checkers.
Claims use since Mar. 31, 1938.

CLASS 23

Cutlery, Machinery, and Tools; and Parts Thereof

Ser. No. 404,812. THE KANE PRODUCTS, INC., Shelton, Conn. Filed Apr. 2, 1938.

"THE RED BUTTERFLY"



For Internal Combustion Engine Detonation Suppressor for Attachment to the Intake Manifold.
Claims use since Mar. 22, 1938.

Ser. No. 410,846. DAVE PULLMAN, Akron, Ohio. Filed Sept. 21, 1938.



Applicant disclaims the words "Pullman" and "Double Edge Blades".
For Razor Blades.
Claims use since Apr. 15, 1937.

Ser. No. 411,144. ACME MANUFACTURING COMPANY, Detroit, Mich. Filed Oct. 1, 1938.

ACME

For Polishing and Buffing Machines.
Claims use since March, 1910.

Ser. No. 411,267. CHISHOLM-MOORE HOIST CORP., Tonawanda, N. Y. Filed Oct. 4, 1938.

COMET

For Hoists.
Claims use since Sept. 12, 1938.

Ser. No. 411,361. AMERICAN BOSCH CORPORATION, Springfield, Mass. Filed Oct. 7, 1938.



For Fuel Injection Equipment, Comprising Fuel Injection Pumps, Fuel Supply Pumps, Oil Filters, Nozzles, Nozzle Holders, Pneumatic Governors and Centrifugal Governors for Pumps, Manual and Automatic Timing Devices for Pumps, Drive Couplings for Pumps, and Parts Thereof.
Claims use since Jan. 24, 1934.

Ser. No. 412,087. ECLIPSE LAWN MOWER COMPANY, Prophetstown, Ill. Filed Oct. 27, 1938.

ESQUIRE

For Hand and Power Lawn Mowers.
Claims use since Apr. 12, 1937.

Ser. No. 412,134. BENJAMIN GORDON, New York, N. Y. Filed Oct. 28, 1938.

SILVARAY

For Razor Blades.
Claims use since Nov. 1, 1937.

Ser. No. 412,144. ALBERT A. KAPLAN, doing business as Durable Blade Company, New York, N. Y. Filed Oct. 28, 1938.

SAPPHIRE

For Razor Blades.
Claims use since Jan. 1, 1932.

Ser. No. 412,148. MCKESSON & ROBBINS, INCORPORATED, Bridgeport and Fairfield, Conn. Filed Oct. 28, 1938.

V. V. T.

For Razor Blades.
Claims use since Oct. 10, 1938.

CLASS 25

Locks and Safes

Ser. No. 409,997. BERNARD H. HOCKSWENDER, doing business as B. H. Hockswender and Associates, Pittsburgh, Pa. Filed Aug. 26, 1938.

FEED the KITTY

For Savings Banks and Like Small Portable Currency Containers.
Claims use since June 3, 1938.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 410,823. BARR PRODUCTS COMPANY, San Francisco, Calif. Filed Sept. 21, 1938.

AK-Q-TAP
ACCURATE MEASURE

The words "Tap" and "Accurate Measure" are disclaimed.
For Attachments for Containers for Measuring and Dispensing Liquids Therefrom.
Claims use since Aug. 1, 1938.

Ser. No. 411,127. MAGNAFLUX CORPORATION, Chicago, Ill. Filed Sept. 30, 1938.

MAGNAFLUX

For Electrical Apparatus for Magnetic Testing of Metal Articles.
Claims use since Mar. 3, 1934.

Ser. No. 411,317. WOLLENSAK OPTICAL COMPANY, Rochester, N. Y. Filed Oct. 5, 1938.

VELOSTIGMAT

For Camera Lenses and Lens Mountings.
Claims use since 1909.

Ser. No. 412,119. TOKHEIM OIL TANK AND PUMP COMPANY, Fort Wayne, Ind. Filed Oct. 27, 1938.

ZEPHIR

For Measuring and Computing Oil and Gasolene Pumps.
Claims use since Aug. 9, 1938.

CLASS 27

Horological Instruments

Ser. No. 412,073. BULOVA WATCH COMPANY, INC., New York, N. Y. Filed Oct. 26, 1938.

PERISPHERE

For Watches—Namely, Wrist or Strap Watches.
Claims use since July 1, 1938.

Ser. No. 412,074. BULOVA WATCH COMPANY, INC., New York, N. Y. Filed Oct. 26, 1938.

TRYLON

For Watches—Namely, Wrist or Strap Watches.
Claims use since July 1, 1938.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 410,147. ABRAHAM SAGER, doing business as Paramount Wedding Ring Company, Chicago, Ill. Filed Aug. 31, 1938.

GOLDEN WEDDING

The word "Wedding" is disclaimed apart from the mark.
For Finger Rings and Wedding Rings.
Claims use since Aug. 15, 1938.

Ser. No. 412,892. INTERNATIONAL SILVER COMPANY, Meriden, Conn. Filed Nov. 19, 1938.

TRIUMPH

For Silver Plated Flat-Ware and Table-Ware.
Claims use since January, 1925.

CLASS 30

Crockery, Earthenware, and Porcelain

Ser. No. 403,160. CALIFORNIA FRUIT GROWERS EXCHANGE, Los Angeles, Calif. Filed Feb. 18, 1938.

Sunkist

For Ceramic Bowls.
Claims use since Dec. 28, 1937.

CLASS 32

Furniture and Upholstery

Ser. No. 404,982. FURNITURE MERCHANDISING INSTITUTE, Chicago, Ill. Filed Apr. 7, 1938.

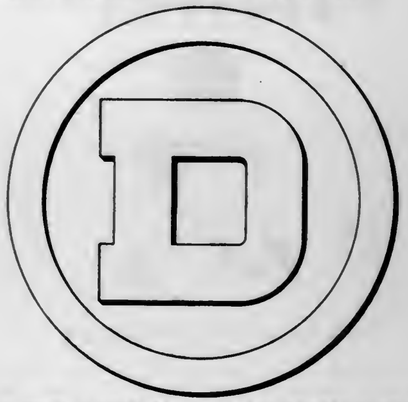


No claim is made to the words "Home Furnishing Style Leaders of America" apart from the mark.
For Household Furniture Comprising Dressers, Beds, China Cabinets, Kitchen Tables, Parlor Suites, Buffets, Tables, and Chairs.
Claims use since Feb. 2, 1938.

CLASS 35

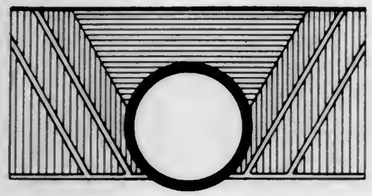
Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 408,993. THE DAYTON RUBBER MANUFACTURING COMPANY, Dayton, Ohio. Filed July 28, 1938.



For Tires, V-Belts, Fan Belts, and Railway V-Belts.
Claims use since Oct. 1, 1927.

Ser. No. 412,569. WAGNER ELECTRIC CORPORATION, St. Louis, Mo. Filed Nov. 9, 1938.



The drawing is lined for blue and different shades of red.

For Rubber Repair and Replacement Parts for Vehicle Braking Apparatus.

Claims use since Nov. 1, 1932.

CLASS 36

Musical Instruments and Supplies

Ser. No. 398,426. W. G. EAVESTAFF & SONS LIMITED, London, England. Filed Oct. 13, 1937.

MINIGRAND

For Pianos.

Claims use since Apr. 17, 1936.

CLASS 37

Paper and Stationery

Ser. No. 412,145. KIMBERLY-CLARK CORPORATION, Neenah, Wis. Filed Oct. 28, 1938.

TRUFECT

For Book and Printing Papers.

Claims use since July 25, 1938.

Ser. No. 412,376. GRANDBERG BROS. WALL PAPER CO., Boston, Mass. Filed Nov. 4, 1938.

PURITAN



ADVANCE CREATIONS

No claim is made to the words "Advance Creations" apart from the mark.

For Wall Paper.

Claims use since Oct. 24, 1938.

CLASS 38

Prints and Publications

Ser. No. 399,207. SOCIÉTÉ ANONYME, SVP, Paris, France. Filed Nov. 1, 1937.

SVP

For News Bulletin Published Daily, a Weekly Publication, and a Monthly Periodical.

Claims use since Nov. 27, 1935.

Ser. No. 402,838. THE A. N. MARQUIS COMPANY, Chicago, Ill. Filed Feb. 10, 1938.

WHO'S WHO IN AMERICA

No claim is made to the word "America" apart from the mark.

For Publications in the Nature of a Directory Published Approximately Once Every Two Years.

Claims use since June 20, 1899.

Ser. No. 403,513. THE A. N. MARQUIS COMPANY, Chicago, Ill. Filed Feb. 28, 1938.

WHO'S WHO IN CHICAGO AND VICINITY

No claim is made to the words "In Chicago and Vicinity" apart from the mark.

For Publications in the Nature of a Directory Published Approximately Once Every Five Years.

Claims use since Jan. 1, 1926.

Ser. No. 403,514. THE A. N. MARQUIS COMPANY, Chicago, Ill. Filed Feb. 28, 1938.

WHO'S WHO IN NEW ENGLAND

No claim is made to the words "In New England" apart from the mark.

For Publications in the Nature of a Directory Published Approximately Once Every Five Years.

Claims use since Dec. 30, 1909.

Ser. No. 410,737. HARRY I. JACOBS, New York, N. Y. Filed Sept. 19, 1938.



No claim is made to the words "The Ten-Year Insured Savings Plan" apart from the mark.

For Trading Stamps.

Claims use since Aug. 30, 1938.

Ser. No. 410,923. PUBLIC LEIGER, INC., Philadelphia, Pa. Filed Sept. 23, 1938.

By PAUL PREP

For Newspaper Articles.

Claims use since Sept. 15, 1918.

Ser. No. 411,206. THE BELL SYNDICATE, INC., New York, N. Y. Filed Oct. 3, 1938.

STAR FLASHES

For Series of Newspaper Features.

Claims use since Sept. 12, 1938.

Ser. No. 411,799. SOCIETY OF FORMER SPECIAL AGENTS OF THE FEDERAL BUREAU OF INVESTIGATION INC., New York, N. Y. Filed Oct. 19, 1938.

The Grapevine

For Periodical Published Quarterly.

Claims use since July 14, 1938.

Ser. No. 411,874. THE LONE RANGER, INC., Detroit, Mich. Filed Oct. 21, 1938.

THE LONE RANGER

For Cartoon Series.

Claims use since Sept. 11, 1938.

Ser. No. 412,029. KURT GANS, New York, N. Y. Filed Oct. 25, 1938.

New York RESTAURANT REPORTER

Applicant disclaims "New York" apart from the mark.

For Monthly Trade Publication.

Claims use since June, 1938.

Ser. No. 412,233. THE SPOOL COTTON COMPANY, New York, N. Y. Filed Oct. 31, 1938.

Stitch in Time

For Monthly News Bulletin.

Claims use since Sept. 26, 1938.

CLASS 39

Clothing

Ser. No. 383,282. MODERN MERCHANDISING BUREAU, INC., New York, N. Y. Filed Sept. 14, 1936.



Applicant disclaims the word "Vogue."

For Women's, Misses', and Children's Hats and Caps; Scarfs of Silk, Wool, Rayon, Linen, and Cotton; Shoes of Leather, Fabric, or any Combination Thereof; Underwear of Knitted, Netted, and Textile Fabrics, Bloomers, Chemises, Brassières, Negligees, Petticoats, Slips, Panties, Vests and Shirts for Underwear, Nightgowns, Pajamas; Wraps; Skirts for Under and Outer Wear; Knickers, Riding Habits; Beach Overalls and Beach Pajamas; Coats; Blouses; Shirtwaists; Gowns; Frocks; Dresses and Suits.

Claims use since Aug. 1, 1935.

Ser. No. 398,064. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Oct. 2, 1937.



For Overalls.

Claims use since Aug. 26, 1936.

Ser. No. 398,167. HENRY MAYER, Flushing, Long Island, N. Y. Filed Oct. 5, 1937.

VENUS

For Swimming and Beach Wearing Apparel Made of Knitted, Woven, Rubber, or any Combination Thereof—Namely, Bathing Suits, Swimming Tights, Bathing Trunks, Beach Coats, Beach Capes, Slacks, Beach Shorts, Beach Halters and Toppers, Play Suits, Beach Overalls, and Beach Dresses.

Claims use since Jan. 2, 1917, on bathing suits and swimming tights; since Sept. 27, 1937, on other goods.

Ser. No. 398,689. ISIDOR SCHWARTZ, doing business as Ladie Lassie Frock Co., New York, N. Y. Filed Oct. 19, 1937.

"RIPPLIN' RHYTHM"

MADE OF GENUINE "CORDELLA"

A LADIE LASSIE FROCK

Applicant disclaims the words "Ladie Lassie", "Made of Genuine", and "Frock" apart from the mark.

For Ladies' and Misses' Dresses, Frocks, and House Coats.

Claims use since May 20, 1937.

Ser. No. 400,419. KOLBERT LIEBERMAN, INC., New York, N. Y. Filed Dec. 3, 1937.

Kenbridge

For Women's and Misses' Conts, Suits, and Dresses.
Claims use since Nov. 2, 1937.

Ser. No. 403,970. STEINER-LIBERTY CORPORATION, Baltimore, Md. Filed Mar. 11, 1938.

Universal Deluxe

No claim is made to the word "Deluxe" apart from the mark.

For Men's, Women's, and Children's Sleeping Garments, Pajamas, Nightshirts, and Underwear.

Claims use since September, 1937.

Ser. No. 406,984. I. & R. MORLEY, LTD., London, England. Filed June 1, 1938.

HERCULES

For Hosiery.
Claims use since 1895.

Ser. No. 408,465. INTERNATIONAL DRY GOODS COMPANY, INC., Boston, Mass. Filed July 13, 1938.

Mallory

For Hosiery.
Claims use since May 14, 1937.

Ser. No. 408,726. BENJAMIN D. MOSESSON, New York, N. Y. Filed July 20, 1938.

Nability

For Men's Belts, Suspenders, and Garters.
Claims use since Apr. 6, 1937.

Ser. No. 409,094. DEE R. GIVENS, doing business as Givens & Co., Western Springs, Ill. Filed July 30, 1938.

DEE'S DRI-ETTES

The words "Dee's" and "Dri" are disclaimed except as shown.

For Baby Pads in the Nature of Posterior Aprons Made of Fabric Material.

Claims use since Oct. 15, 1936.

Ser. No. 410,548. LEOPOLD LERNER, New York, N. Y. Filed Sept. 14, 1938.

"CHARTED"

For Neckties and Cravats.
Claims use since Jan. 2, 1934.

Ser. No. 410,693. HOLBROOK HAT COMPANY, Perth Amboy, N. J. Filed Sept. 17, 1938.

HOLBROOK

No claim is made to the word "Holbrook" apart from the mark. The drawing is lined for red and dotted for gold.

For Men's Hats.
Claims use since September, 1938.

Ser. No. 410,746. O'DONNELL SHOE COMPANY, St. Paul, Minn., and Humboldt, Tenn. Filed Sept. 19, 1938.

FORM-A-TIVE

For Men's, Women's, and Children's Leather Shoes.
Claims use since Sept. 14, 1938.

Ser. No. 410,748. PORTIS BROS. HAT CO., Chicago, Ill. Filed Sept. 19, 1938.

Portis "Igloo"

"America's Coolest"

Applicant disclaims the expression "America's Coolest" except as shown.

For Hats and Caps for Men, Women, Boys, Girls, and Children.

Claims use since Sept. 1, 1938.

Ser. No. 410,765. FRED ALTSCHULER-PICARD, Lausanne, Switzerland. Filed Sept. 20, 1938.

SWISSLI

For Women's and Girls' Dresses and Hats; Ladies' Underwear—Namely, Slips, Chemises, Brassières, Nightgowns, Pajamas; Men's, Women's, and Children's Jackets, Blouses, Ski Suits, Skating Suits, and Sport Suits; Men's, Women's, and Children's Dress Shoes, Ski Shoes, and Boots, Slippers, Belts for Outerwear, Scarfs, Neckties, Gloves Made of Leather, Fabric, and Leather and Fabric, and Men's and Women's Gym Suits.

Claims use since December, 1937.

Ser. No. 410,889. JOSEPH A. SACKS, doing business as Daisy Whitehead Knitting Co., New York, N. Y. Filed Sept. 23, 1938.

SNUG ART

MODERN TOP FOR MODERN MAN

NO GARTER

Applicant disclaims the wording "Modern Top for Modern Man" and "No Garter" apart from the mark.

For Hosiery.

Claims use since Sept. 1, 1934.

Ser. No. 410,960. LEWIS & EFRON, New York, N. Y. Filed Sept. 24, 1938.

"Kerchy Kap"

Applicant disclaims "Kap" apart from the mark.

For Hats and Bandannas for Women and Children.

Claims use since November, 1937.

Ser. No. 411,407. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Oct. 8, 1938.

FASHIONCREST

FASHION-TWIST

The words "Fashion Twist" are disclaimed apart from the mark.

For Hosiery.

Claims use since October, 1936.

Ser. No. 411,408. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Oct. 8, 1938.

FASHIONCREST

TRAVEL TWIST

The word "Twist" is disclaimed apart from the mark.

For Hosiery.

Claims use since October, 1936.

Ser. No. 411,480. ST. JOHNSVILLE DRESS CORP., New York, N. Y. Filed Oct. 10, 1938.

ORIGINAL Pak-a-Slak

No claim is made to the words "Original" or "Slak" apart from the mark.

For Ladies' and Misses' Dresses and Ladies' and Misses' Slacks, Shorts, Culottes, Skirts, Blouses, Halters, and Bicycle Pants.

Claims use since Aug. 15, 1938.

Ser. No. 411,495. IRVING GEIST, New York, N. Y. Filed Oct. 11, 1938.

IMPROMPTU

For Women's and Misses' Blouses and Dresses.
Claims use since May 3, 1937.

Ser. No. 411,586. FRANK WRAPS, INC., New York, N. Y. Filed Oct. 13, 1938.

Persis

For Ladies' Garments—Namely, Wraps, Coats, and Suits.
Claims use since June 1, 1938.

Ser. No. 411,801. TWENTIETH-CENTURY FROCKS, Los Angeles, Calif. Filed Oct. 19, 1938.

Jam Date

For Frocks for Misses.
Claims use since May 21, 1938.

Ser. No. 411,805. WAMSUTTA MILLS, New Bedford, Mass. Filed Oct. 19, 1938.

FIGURE FASHIONED Cotto AN ORIGINAL

No claim is made to the words "Figure Fashioned An Original".

For Dresses, Outer Shirts, Shorts, Slacks, and Sportswear Consisting of Blouses and Jackets for Men, Women, and Children.
Claims use since Oct. 28, 1937.

Ser. No. 411,829. FISCHER & CO., INC., New York, N. Y. Filed Oct. 20, 1938.

PerfeCut

No claim is made to the word "Cut" apart from the mark.

For Ladies' Silk Pajamas and Silk Underwear—Namely, Slips, Nightgowns, Panties, and Chemises.
Claims use since Oct. 8, 1938.

Ser. No. 411,856. M. & B. COHEN CO., New York, N. Y. Filed Oct. 21, 1938.

FAN BREEZE

For Men's and Young Men's Suits, Overcoats, Topcoats, Sport Coats, Mackinaws, Vests, and Trousers, of Woolen and Worsted Piece Goods.
Claims use since January, 1923.

Ser. No. 411,946. THE CROMWELL PAPER COMPANY, Chicago, Ill. Filed Oct. 22, 1938.

CROM TEX

The portrait is that of Oliver Cromwell, English statesman. The words "Quality Built In" are disclaimed apart from the mark.

For Women's Aprons.
Claims use since Mar. 1, 1938.

Ser. No. 412,075. BOTANY WORSTED MILLS, Passaic, N. J. Filed Oct. 26, 1938.

ROUGHNECK

For Necktles.
Claims use since Oct. 11, 1938.

Ser. No. 412,279. ADAMS-MILLIS CORPORATION, High Point, N. C. Filed Nov. 2, 1938.

Florice

For Hosiery.
Claims use since Oct. 10, 1938.

Ser. No. 412,282. BENAL HOSIERY CO., INC., New York, N. Y. Filed Nov. 2, 1938.

Wovengram

For Hosiery.
Claims use since Sept. 1, 1938.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 410,026. FRANCES EMBLEMS, INC., New York, N. Y. Filed Aug. 27, 1938.

JITTER

For Fabric Applique Emblems in the Nature of Decoration or Embellishment for Garments.
Claims use since July 19, 1938.

Ser. No. 410,184. H. B. LAYMON, doing business as World's Products Company, Spencer, Ind. Filed Sept. 1, 1938.

Cherie

For Spring Metal Hair Pins.
Claims use since July 11, 1938.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 406,485. WIENER BROS. & GOLDSMITH, INC., New York, N. Y. Filed May 18, 1938.

Wingold

For Laces Made of Cotton, Silk, Artificial Silk, Wool, Mercerized Cotton, Imitation Metal Threads, and Rayons, Which are Moisture-Repellant and Known in the Trade as Valenciennes, Torchons, Cluny, Tattings, Ribbon Beadings, Art Laces, Venices, Pillow Case Laces, Imitation Irish Lace, Imitation Filet, Filet Crochet, Alençons, Warp Laces, Mechlins, Duchess, Chantilly, Centerguimpes, Footings, and Other Like Laces Merchandised in Wound Form.
Claims use since Nov. 24, 1937.

Ser. No. 409,261. CROMPTON COMPANY, West Warwick, R. I., assignor to Crompton Company, a corporation of Delaware. Filed Aug. 5, 1938.

COOLIGAN

For Textile Fabrics in the Piece, Made of Cotton, Linen, Rayon, or Mixtures Thereof.
Claims use since July 12, 1938.

Ser. No. 409,746. MORRIS B. ROBBINS, New York, N. Y. Filed Aug. 18, 1938.

JUMBOLERO

For Curtains and Draperies.
Claims use since Aug. 12, 1938.

Ser. No. 411,379. WM. T. KNOTT COMPANY, INC., New York, N. Y. Filed Oct. 7, 1938.

First Lady

For Towels.
Claims use since November, 1935.

Ser. No. 411,631. THE ESMOND MILLS, New York, N. Y. Filed Oct. 15, 1938.

HUSKY PAIR

The word "Pair" is disclaimed apart from the mark.
For Blankets.
Claims use since May, 1933.

Ser. No. 411,819. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 20, 1938.

LUSTROCEL

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Oct. 7, 1938.

Ser. No. 411,820. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 20, 1938.

MAGICEL

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Oct. 14, 1938.

Ser. No. 411,821. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 20, 1938.

MAINCEL

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Oct. 14, 1938.

Ser. No. 411,822. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 20, 1938.

MYSTACEL

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Oct. 14, 1938.

Ser. No. 411,935. BOTANY WORSTED MILLS, Passaic, N. J. Filed Oct. 22, 1938.

MIRACOOL

For Woolen and Worsted Fabrics in the Piece.
Claims use since Sept. 26, 1938.

Ser. No. 412,343. A. D. JUILLIARD & CO., INC., New York, N. Y. Filed Nov. 3, 1938.

CALF'S-BRAIN

For Woolen Goods in the Piece.
Claims use since Oct. 26, 1938.

CLASS 43

Thread and Yarn

Ser. No. 409,767. FLEISHER YARNS, INC., New York, N. Y. Filed Aug. 19, 1938.

EARLY AMERICAN

Applicant disclaims the word "American" apart from the mark.
For Yarns.
Claims use since Aug. 8, 1938.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 412,284. BERST-FORSTER-DIXFIELD COMPANY, Dixfield, Maine, and New York, N. Y. Filed Nov. 2, 1938.

BFD

For Sanitary Tongue Blades.
Claims use since July 14, 1938.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 408,006. BRADY PRODUCTS CO., Kansas City, Mo. Filed June 29, 1938.

LEM-N-MIX
KING OF MIXERS

For Non-Alcoholic, Non-Cereal, Maltless Beverages, and Syrups and Extracts for Making the Same.
Claims use since Dec. 31, 1937.

Ser. No. 410,369. MIDWEST ORCHARD SERVICE, INC., Rock Island, Ill. Filed Sept. 8, 1938.

APPLE-HOP

No claim is made to the word "Apple" apart from the mark.
For Hard Cider.
Claims use since Aug. 29, 1938.

Ser. No. 411,065. LINCOLN R. YOUNG, doing business as The Okola Company, Hartford, Conn. Filed Sept. 28, 1938.

OKOLA

For Maltless Nonalcoholic Carbonated Beverages.
Claims use since June 23, 1938.

Ser. No. 411,089. DR. PEPPER TULSA BOTTLING COMPANY, Tulsa, Okla. Filed Sept. 29, 1938.



For Maltless Nonalcoholic Carbonated Beverages.
Claims use since Mar. 1, 1936.

Ser. No. 411,268. HARRY J. COFFMAN, Los Angeles, Calif. Filed Oct. 4, 1938.

Sparkling
LIFE

The word "Sparkling" is disclaimed apart from the mark.
For Maltless Soft Drinks, and Flavoring Syrups Therefor.
Claims use since Nov. 19, 1936.

Ser. No. 412,048. SWIRLS, INC., Newark, N. J. Filed Oct. 26, 1938.

Tomcolizer

For Carbonated Beverages, Particularly Non-Alcoholic Maltless Beverages.
Claims use since Aug. 18, 1938.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 398,791. PRINCE CASTLES, Naperville, Ill. Filed Oct. 21, 1937.

ONE in a MILLION

For Ice Cream, Ices, and Malted Milk.
Claims use since Jan. 15, 1937.

Ser. No. 399,662. HOUSTON PACKING COMPANY, Houston, Tex. Filed Nov. 12, 1937.

AMIGO

For Dog Food.
Claims use since Oct. 19, 1937.

Ser. No. 400,229. FLEISCHMANNS, New York, N. Y. Filed Nov. 29, 1937.

WORLD'S FAIR
Quality Brand
PROVISIONS
BOILED HAM

All the descriptive wording except "World's Fair" is disclaimed apart from the mark.
For Boiled Hams.
Claims use since Oct. 28, 1937.

Ser. No. 402,488. SOCIETÀ ANONIMA ANGELO PARODI FU BMEO., Genoa, Italy. Filed Jan. 29, 1938.



No claim is made to the words "Genova", "Italiana" and "Alimento" apart from the mark.
For Canned Fish.
Claims use since Apr. 1, 1911.

Ser. No. 404,231. RIO GRANDE VALLEY CITRUS GROWERS ASSOCIATION, Mercedes, Tex. Filed Mar. 18, 1938.

Valley Belle



The portrait is fanciful.
For Fresh Citrus Fruit.
Claims use since Feb. 25, 1928.

Ser. No. 405,830. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill. Filed Apr. 28, 1938.

Staley's
PACKERS GRITS

Applicant disclaims the word "Grits" apart from the mark.
For Soya Bean Flour.
Claims use since Jan. 25, 1936.

Ser. No. 408,612. LOMA LINDA FOOD COMPANY, Loma Linda, Calif. Filed July 18, 1938.

SAVOREX

For Extract of Yeast and Vegetables for Food Purposes.
Claims use since May 23, 1938.

Ser. No. 409,251. ANTONIO ACCARDI, doing business as A. Accardi & Co., Boston, Mass. Filed Aug. 5, 1938.



The portrait is fanciful. The geographical name "Regina" and the word "Brand" are disclaimed apart from the mark.
For Salad and Cooking Oils.
Claims use since June 4, 1935.

Ser. No. 409,606. WILLIAM H. EVANS, Los Angeles, Calif. Filed Aug. 15, 1938.

KAN - DEE

For Spread for Bread Having Approximately the Consistency of Honey.
Claims use since July 31, 1938.

Ser. No. 410,109. HEBREW NATIONAL KOSHER SAUSAGE COMPANY, INC., New York, N. Y. Filed Aug. 30, 1938.



No claim is made to the words "New York" and the insignia of the "Star of David". The translation of the Hebrew character is "Hebrew National Kosher Sausage Company, Inc. From the Particular to the Particular".
For Long Bologna, Thick Bologna, Midget Bologna, Bologna Rings, Long Salami, Square Salami, Calf Salami, Midget Salami, Corned Beef (Cured and Cooked), Tongues (Cured, Cooked, and Smoked), Garlic Rings, Pastrami (Smoked), Rolled Beef (Spiced and Smoked), Shoulders (Spiced and Smoked), Frankfurters (Griddles and Specials), Knockwurst, Liverwurst, Beef Frye.
Claims use since Feb. 15, 1906.

Ser. No. 410,905. LEO GUILBEAU, Sunset, La. Filed Sept. 23, 1938.

GUILBEAU'S

LEOPARD

BRAND

SWEET POTATOES

No claim is made to the words "Brand", "Sweet Potatoes", or "Guilbeau's" apart from the mark.
For Sweet Potatoes.
Claims use since Sept. 7, 1938.

Ser. No. 411,334. P. D. GWALTNEY, JR. & CO. INC., Smithfield, Va. Filed Oct. 6, 1938.



The drawing is lined for red and black.
For Smoked Hams.
Claims use since May 3, 1938.

Ser. No. 411,450. GENERAL MILLS, INC., Minneapolis, Minn. Filed Oct. 10, 1938.

CALF BUILDER

Applicant disclaims the word "Calf" apart from the mark.
For Stock Food, Particularly Cattle Feed.
Claims use since Jan. 4, 1937.

Ser. No. 411,451. GENERAL MILLS, INC., Minneapolis, Minn. Filed Oct. 10, 1938.

PIG BUILDER

Applicant disclaims the word "Pig" apart from the mark.
For Stock Food, Particularly Feed for Pigs and Hogs.
Claims use since Jan. 4, 1937.

Ser. No. 411,922. EMILE VRYDAGHS, doing business as J. V. & Co., New York, N. Y. Filed Oct. 21, 1938.



No claim is made to the words "Rare Fruit" apart from the mark.
For Limes, Hothouse Grapes, and Endive or Brussels Chicory.
Claims use since 1928.

Ser. No. 412,001. JOHN MACKINTOSH & SONS, LTD. INC., Boston, Mass. Filed Oct. 24, 1938.

MACROLO

For Candy.
Claims use since Oct. 3, 1938.

Ser. No. 412,137. HEALTHWIN PACKING COMPANY, Napoleon, Ohio. Filed Oct. 28, 1938.

HEALTHWIN

For Dog Food.
Claims use since Oct. 12, 1938.

Ser. No. 412,333. DOMINO CITRUS ASSOCIATION, INC., Bradenton, Fla. Filed Nov. 3, 1938.



JUNO

For Fresh Citrus Fruits.
Claims use since Feb. 29, 1912.

Ser. No. 412,443. FELTON CHEMICAL COMPANY, INC., Brooklyn, N. Y. Filed Nov. 7, 1938.

RESANILLA

For Imitation Vanilla Concentrate for Food Purposes.
Claims use since June, 1938.

Ser. No. 412,475. ROY WEIR, doing business as Valley Fruit Company, Pharr, Tex. Filed Nov. 7, 1938.

GOLD MINE

For Fresh Citrus Fruits.
Claims use since Oct. 27, 1938.

Ser. No. 412,476. ROY WEIR, doing business as Valley Fruit Company, Pharr, Tex. Filed Nov. 7, 1938.

GRAND STAND

For Fresh Citrus Fruit.
Claims use since Oct. 27, 1938.

Ser. No. 412,477. ROY WEIR, doing business as Valley Fruit Company, Pharr, Tex. Filed Nov. 7, 1938.

MOR-GOLD

For Fresh Citrus Fruit.
Claims use since Oct. 27, 1938.

Ser. No. 412,484. THE ACME PIE CO., OF CLEVELAND, OHIO, Cleveland, Ohio. Filed Nov. 8, 1938.



Applicant disclaims the words "Toasted Pies".
For Toasted Pies.
Claims use since Nov. 24, 1934.

CLASS 47

Wines

Ser. No. 411,943. B. CRIBARI & SONS, INC., Madrone, Calif. Filed Oct. 22, 1938.

Chateau Rouge

For Wines.
Claims use since Sept. 19, 1934.

Ser. No. 412,248. BEAR CREEK VINEYARD ASSOCIATION, Lodi, Calif. Filed Nov. 1, 1938.

CEREMONY

For Wines.
Claims use since Oct. 3, 1938.

CLASS 48

Malt Beverages and Liquors

Ser. No. 402,589. BESTOV PRODUCTS, INC., New York, N. Y. Filed Feb. 2, 1938.

LEONA

For Beer.
Claims use since Jan. 4, 1938.

Ser. No. 405,024. KOPPITZ MELCHERS, INC., Detroit, Mich. Filed Apr. 8, 1938. Under 10-year proviso.

KOPPITZ

For Beer.
Claims use since 1891.

Ser. No. 409,979. PH. SCHNEIDER BREWING CO., Trinidad, Colo. Filed Aug. 25, 1938.

La Fiesta

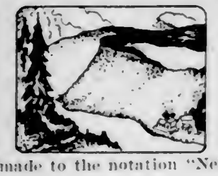
For Beer.
Claims use since Mar. 28, 1938.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 411,868. DANT & HEAD DISTILLING COMPANY, Louisville and Gethsemane, Ky. Filed Oct. 21, 1938.

NELSON CLIFF



No claim is made to the notation "Nelson" apart from the mark.
For Whiskey.
Claims use since Mar. 7, 1938.

Ser. No. 412,360. JULES ROBIN, SOCIÉTÉ ANONYME, Cognac, France. Filed Nov. 3, 1938.

Cognac Robin
Produced and bottled in France
QUARE PROOF
Jules Robin & Cie
Established 1845
Cognac
France

All notations are disclaimed apart from the mark, excepting "Robin" and "Jules Robin & Co."
For Cognac Brandy.
Claims use since July 28, 1938.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 409,071. TEXTILE CORPORATION OF AMERICA, New York, N. Y. Filed July 29, 1938.

American Lady

Applicant disclaims the word "American" apart from the mark.
For Rug Cushions.
Claims use since August, 1937.

Ser. No. 410,363. RUTH TENNISON HEINEMAN, Cincinnati, Ohio. Filed Sept. 8, 1938.

Pattyprint

For Plaques of Ceramic Material Carrying Babies' Hand or Foot Prints.
Claims use since Jan. 1, 1938.

Ser. No. 411,234. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Oct. 3, 1938.

VUEPAK

For Plastic Compositions in Powdered Form or in Molded or Cast Form, Also in the Form of Sheets or Films Suited for Transparent Wrapping, Containers, Etc.
Claims use since Aug. 23, 1938.

Ser. No. 412,125. THE CYCLONE MANUFACTURING CO., Urbana, Ind. Filed Oct. 28, 1938.

Cyclone

For Poultry Feeders, Poultry Waterers, Poultry Brooders, Poultry Batteries, and Poultry Laying Nests.
Claims use since 1928.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

DECEMBER 27, 1938

363,399. WEARING APPAREL—NAMELY, LADIES', MISSES', AND CHILDREN'S DRESSES, SUITS, SWEATERS, COATS, ETC. MCCLURE'S INC., Nashville, Tenn.
Filed July 8, 1936. Serial No. 380,783; PUBLISHED OCTOBER 11, 1938. Class 39.

363,400. INTERNAL COMBUSTION ENGINES AND PARTS THEREOF. BENTLEY MOTORS (1931) LIMITED, London, England.
Filed February 10, 1937. Serial No. 388,703. PUBLISHED OCTOBER 18, 1938. Class 23.

363,401. TOBACCO ASH RECEPTACLES. TALBERT M. DICK AND MAURICE J. FLETCHER, Des Moines, Iowa. assignors to Talbert M. Dick, as trustee for Cadet Smoke Stand Company, a common-law trust, doing business at Des Moines, Iowa.
Filed April 27, 1937. Serial No. 391,904; PUBLISHED OCTOBER 18, 1938. Class 8.

363,402. MANIFOLD ATTACHMENTS FOR TYPEWRITERS. THE F. F. BARBER MACHINERY COMPANY, LTD., Toronto, Ontario, Canada.
Filed April 30, 1937. Serial No. 392,074. PUBLISHED OCTOBER 18, 1938. Class 23.

363,403. KNIT GOODS, COMPRISING UNDERWEAR FOR MEN AND BOYS, SWEATERS, BATHING SUITS. APPALACHIAN MILLS COMPANY, Knoxville, Tenn.
Filed May 3, 1937. Serial No. 392,484. PUBLISHED OCTOBER 11, 1938. Class 39.

363,404. READY MIXED PAINT, PAINT IN PASTE OR POWDER FORM, LACQUERS, STAINS, AND VARNISH. WARNECKE & BÖHM, Berlin-Weissensee, Germany.
Filed June 20, 1938. Serial No. 407,664. PUBLISHED OCTOBER 25, 1938. Class 16.

363,405. FUSES AND CIRCUIT MAKERS AND BREAKERS. MCGRAW ELECTRIC COMPANY, Chicago, Ill., and St. Louis, Mo.
Filed July 30, 1937. Serial No. 395,744. PUBLISHED OCTOBER 18, 1938. Class 21.

363,406. FLOWER SEEDS—NAMELY, ZINNIAS AND FLOWER GARDEN MIXTURE. GERMAIN SEED AND PLANT COMPANY, Los Angeles, Calif.
Filed August 23, 1937. Serial No. 396,678. PUBLISHED NOVEMBER 16, 1937. Class 1.

363,407. LADIES' AND MISSES' SPORT AND STREET DRESSES. IRVING STEMPEL & CO. INC., New York, N. Y.
Filed September 22, 1937. Serial No. 397,691. PUBLISHED DECEMBER 7, 1937. Class 39.

363,408. MEN'S SUITS AND COATS. WM. P. GOLDMAN & BROS., INC., New York, N. Y.
Filed September 23, 1937. Serial No. 397,708. PUBLISHED OCTOBER 11, 1938. Class 39.

363,409. WOMEN'S AND MISSES' KNITTED SPORT SUITS, MATCHED KNITTED SUITS, HATS, AND COATS, KNITTED DRESSES, KNITTED HATS, AND SWEATERS. LOGAN GARMENT CO., Logan, Utah.
Filed November 1, 1937. Serial No. 399,191. PUBLISHED OCTOBER 11, 1938. Class 39.

363,410. RADIO RECEIVERS; ELECTRICAL DEVICES AS FOLLOWS—NETWORKS, LOUD SPEAKERS, PHONOGRAPH PICKUPS, SOUND AMPLIFIERS, AND PUBLIC ADDRESS SYSTEMS. CLARENCE J. LE BEL, New York, N. Y.
Filed November 5, 1937. Serial No. 399,360. PUBLISHED OCTOBER 18, 1938. Class 21.

363,411. POWDERED ACID BUTTERMILK FOR BAKING PURPOSES. WARD DRY MILK COMPANY, St. Paul, Minn.
Filed December 20, 1937. Serial No. 401,085. PUBLISHED OCTOBER 18, 1938. Class 46.

363,412. TOILET TISSUE PAPER IN ROLLS. GRAND BAG & PAPER CO., INC., New York, N. Y.
Filed December 22, 1937. Serial No. 401,143. PUBLISHED OCTOBER 18, 1938. Class 37.

363,413. BED SPRINGS, BOX SPRINGS, STUDIO COUCHES, AND MATTRESSES. PREMIER BED & SPRING COMPANY, San Francisco, Calif.
Filed January 15, 1938. Serial No. 401,948. PUBLISHED FEBRUARY 22, 1938. Class 32.

363,414. ELECTRIC POP CORN POPPERS. AMERICAN POP CORN COMPANY, Sioux City, Iowa.
Filed January 17, 1938. Serial No. 401,975. PUBLISHED OCTOBER 18, 1938. Class 21.

363,415. APPARATUS FOR USE IN MAKING TRACINGS OR DRAWINGS ON PAPER OR STENCIL SHEETS COMPRISING A STAND OR SUPPORT HAVING A TRANSPARENT SURFACE OVER WHICH SUCH SHEETS MAY BE PLACED. A. B. DICK COMPANY, Chicago, Ill.
Filed January 17, 1938. Serial No. 401,991. PUBLISHED OCTOBER 18, 1938. Class 26.

363,416. PHONOGRAPH NEEDLES. CENTER MUSIC STORES, INC., New York, N. Y.
Filed January 20, 1938. Serial No. 402,115. PUBLISHED OCTOBER 18, 1938. Class 36.

363,417. CANDY, BONBONS, CHOCOLATES, CAKES, PIES, TEA, COFFEE, JELLIES, AND ICE CREAM. HENRY MAILLARD, INC., New York, N. Y.
Filed January 29, 1938. Serial No. 402,482. PUBLISHED OCTOBER 18, 1938. Class 46.

363,418. SENSITIZED PHOTOGRAPHIC PAPER. JACOB S. CHAIS, doing business as La Brea Photo Laboratories, Los Angeles, Calif.
Filed February 3, 1938. Serial No. 402,623. PUBLISHED OCTOBER 18, 1938. Class 26.

363,419. SALAD OIL, OLIVE OIL, COTTONSEED OIL USED FOR FOOD PURPOSES, CORN OIL USED FOR FOOD PURPOSES, VEGETABLE SHORTENING, ETC. CONWAY IMPORT CO., INC., Long Island City, N. Y.
Filed February 8, 1938. Serial No. 402,813. PUBLISHED OCTOBER 18, 1938. Class 46.

363,420. KNITTED SWEATERS. OLD COLONY KNITTING MILLS, INC., Hingham, Mass.
Filed February 9, 1938. Serial No. 402,867. PUBLISHED OCTOBER 11, 1938. Class 39.

363,421. ADDING AND CALCULATING MACHINES. ALLEN-WALES ADDING MACHINE CORPORATION, Jersey City, N. J., and New York, N. Y.
Filed February 15, 1938. Serial No. 403,029. PUBLISHED OCTOBER 18, 1938. Class 26.

363,422. PIECE GOODS COMPOSED OF RAYON AND LINEN, AND MIXTURES OF THE SAME. MANVILLE JENCKES CORPORATION, Manville, R. I.
Filed February 15, 1938. Serial No. 403,052. PUBLISHED OCTOBER 18, 1938. Class 42.

363,423. ARTICLES OF CUTLERY COMPOSED WHOLLY OR IN PART OF BASE METAL—NAMELY, RAZORS, SAFETY RAZORS, RAZOR BLADES, SCISSORS, PEN KNIVES, TABLE KNIVES, AND CUTLASSES. CALLE & PEREZ, Buenos Aires, Argentina.
Filed March 2, 1938. Serial No. 403,612. PUBLISHED OCTOBER 18, 1938. Class 23.

363,424. FAN AND TABLE COMBINATION, CONSISTING OF A SMALL TABLE BELOW THE TOP OF WHICH A CIRCULATING FAN AND MOTOR ARE ARRANGED ABOUT A VERTICAL AXIS. KISCO COMPANY, INC., St. Louis, Mo.
Filed March 5, 1938. Serial No. 403,727. PUBLISHED OCTOBER 18, 1938. Class 34.

363,425. SAUCES FOR USE ON SPAGHETTI AND MACARONI. JOSEPH MANNONE, doing business as Mannone's Italian Food Products, Detroit, Mich.
Filed March 7, 1938. Serial No. 403,772. PUBLISHED OCTOBER 18, 1938. Class 46.

363,426. SCOTCH WHISKY. TRAIN & MCINTYRE, LIMITED, Glasgow, Scotland.
Filed March 8, 1938. Serial No. 403,837. PUBLISHED OCTOBER 18, 1938. Class 49.

363,427. SOAP, CHEMICAL ABRASIVE COMPOUNDS, WASHING PREPARATIONS, SPOT-REMOVING PREPARATIONS, CLEANING AND SCOURING PREPARATIONS. BÖHME FETTCHEMIE-GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Chemnitz, Germany, assignor to E. I. du Pont de Nemours & Company, Incorporated, Wilmington, Del.
Filed March 16, 1938. Serial No. 404,110. PUBLISHED OCTOBER 18, 1938. Class 4.

363,428. LADIES' AND MISSES' FROCKS AND HOUSE AND STREET DRESSES. R. LOWENBAUM MANUFACTURING CO., St. Louis, Mo.
Filed March 30, 1938. Serial No. 404,651. PUBLISHED OCTOBER 4, 1938. Class 39.

363,429. LADIES' AND MISSES' KNITTED DRESSES, BLOUSES, AND SWEATERS. L. D. LIVINGSTON & SONS, New York, N. Y.
Filed March 31, 1938. Serial No. 404,719. PUBLISHED JUNE 14, 1938. Class 39.

363,430. INFANTS' AND CHILDREN'S DRESSES. PERLBERG & TANNENBAUM, INC., New York, N. Y.
Filed April 20, 1938. Serial No. 405,522. PUBLISHED OCTOBER 11, 1938. Class 39.

363,431. FURNITURE MADE WHOLLY OR PARTLY OF WOOD AND COMPRISING WOODEN BEDS, DRESSING TABLES, CHESTS OF DRAWERS, DRESSING TABLE BENCHES, DRESSERS, VANITY TABLES, CHIFFOROBES, AND NIGHT STANDS. CAMDEN FURNITURE COMPANY, Camden, Ark.
Filed April 27, 1938. Serial No. 405,762. PUBLISHED OCTOBER 18, 1938. Class 32.

363,432. BLANKETS. SCHAFRAN & FINKEL, INC., New York, N. Y.
Filed April 30, 1938. Serial No. 405,898. PUBLISHED OCTOBER 18, 1938. Class 42.

363,433. GARDEN SEEDS. W. ATLEE BURPEE COMPANY, Philadelphia, Pa.
Filed May 4, 1938. Serial No. 405,983. PUBLISHED OCTOBER 18, 1938. Class 1.

363,434. METAL WORKING PRESSES OF ALL KINDS, METAL DRAWING MACHINES, CAN MAKING AND FILLING MACHINES, ETC. E. W. BLISS COMPANY, New York, N. Y.
Filed June 3, 1938. Serial No. 407,051. PUBLISHED OCTOBER 18, 1938. Class 23.

363,435. METAL WORKING PRESSES OF ALL KINDS, METAL DRAWING MACHINES, CAN MAKING AND FILLING MACHINES, METAL CUTTING MACHINES, ETC. E. W. BLISS COMPANY, New York, N. Y.
Filed June 3, 1938. Serial No. 407,052. PUBLISHED OCTOBER 18, 1938. Class 23.

363,436. ELECTRIC CONTROL EQUIPMENT AND APPARATUS SUCH AS MAY BE USED IN THE OPERATION OF ELECTRIC MOTORS, CONSTANT CURRENT REGULATION OR TRANSFORMATION; ETC. HUGH E. YOUNG & COMPANY, Chicago, Ill.
Filed June 10, 1938. Serial No. 407,348. PUBLISHED OCTOBER 18, 1938. Class 21.

363,437. OIL, WAX, AND EMULSION POLISHES FOR WOOD, FURNITURE, AND OTHER SURFACES; PASTE WAX, LIQUID WAX, SELF POLISHING WAX, DANCE WAX, AUTO POLISH, PREPARED OIL FOR MOPS, PREPARED SHELLAC, ETC. CARDINAL LABORATORIES, INC., Chicago, Ill.
Filed June 11, 1938. Serial No. 407,357. PUBLISHED OCTOBER 18, 1938. Class 16.

363,438. CHLORINATING UNITS FOR USE WITH WATER SYSTEMS. AUTO-CHLOR SYSTEM, INC., Memphis, Tenn.
Filed June 13, 1938. Serial No. 407,413. PUBLISHED OCTOBER 18, 1938. Class 13.

363,439. CORN SEED. CROOKHAM COMPANY, Caldwell, Idaho.
Filed June 13, 1938. Serial No. 407,425. PUBLISHED OCTOBER 18, 1938. Class 1.

363,440. PHOTOGRAPHIC FILM. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y.
Filed June 18, 1938. Serial No. 407,626. PUBLISHED OCTOBER 18, 1938. Class 26.

363,441. AUTOMOBILE POLISHES, FURNITURE POLISHES, POLISHING WAXES, POLISHING COMPOUNDS FOR FINISHED SURFACES. THEODORE C. HENSCHEL, doing business as Henschel Supply Company, New York, N. Y.
Filed June 20, 1938. Serial No. 407,648. PUBLISHED OCTOBER 18, 1938. Class 16.

363,442. DENTAL CASTING GOLDS, ESPECIALLY COMPOUNDED PREPARATIONS, TO BE USED FOR STRUCTURAL SERVICE BY DENTISTS, TECHNICIANS, AND LABORATORIES, CONTAINING HIGH GRADE DENTAL ALLOYS, DENTAL GOLDS AND SOLDERS, AND AMALGAM. ROSA E. TUTTLE, Newark N. J.
Filed June 20, 1938. Serial No. 407,699. PUBLISHED OCTOBER 18, 1938. Class 44.

363,443. LADIES' BLOUSES, WAISTS, HOUSE COATS, SKIRTS, JACKETS, PLAY SUITS, AND CULOTTES. LOUIS LANER INC., New York, N. Y.
Filed June 22, 1938. Serial No. 407,757. PUBLISHED OCTOBER 11, 1938. Class 39.

363,444. JELLIES, FRUIT, AND BERRY PRESERVES; CONDIMENTS—NAMELY, PICKLES, AND RELISHES; CONFECTIONS—NAMELY, MAPLE SUGAR AND CANDIES; AND DAIRY PRODUCTS—NAMELY, EGGS AND CHEESE. HAROLD KRAMER, Valley Stream, N. Y.
Filed June 24, 1938. Serial No. 407,867. PUBLISHED OCTOBER 18, 1938. Class 46.

363,445. LADIES' UNDERWEAR, SUCH AS BLOOMERS, PANTIES, STEPINS, GOWNS, SLIPS, PAJAMAS. BLUE SWAN MILLS INC., New York, N. Y.
Filed June 29, 1938. Serial No. 408,005. PUBLISHED OCTOBER 11, 1938. Class 39.

363,446. MEN'S OUTER GARMENTS—NAMELY, TOPCOATS. NEW PROCESS COMPANY, Warren, Pa.
Filed July 1, 1938. Serial No. 408,126. PUBLISHED OCTOBER 11, 1938. Class 39.

363,447. MEN'S, BOYS', AND CHILDREN'S OUTER GARMENTS CONSISTING OF COATS, VESTS, PANTS, OVERCOATS, RAINCOATS, ETC. BROADSTREET'S, INC., New York, N. Y.
Filed July 6, 1938. Serial No. 408,230. PUBLISHED OCTOBER 11, 1938. Class 39.

363,448. RUM. SACCONE, SPEED & JENNEY, INC., New York, N. Y.
Filed July 9, 1938. Serial No. 408,356. PUBLISHED OCTOBER 18, 1938. Class 49.

363,449. WIRE MESH CONVEYOR APRONS, MOTOR SPRINGS, CARD CLOTHING, NAPPED CLOTHING, METAL CONVEYOR BELTS, AND SPRINGS FOR STARTING MOTORS FOR INTERNAL COMBUSTION ENGINES. WICKWIRE SPENCER STEEL COMPANY, New York, N. Y.
Filed July 15, 1938. Serial No. 408,556. PUBLISHED OCTOBER 18, 1938. Class 23.

363,450. MEN'S UNDERWEAR—NAMELY, ATHLETIC SHORTS. ROBINSON MFG. COMPANY, INC., Dayton, Tenn.
Filed July 16, 1938. Serial No. 408,578. PUBLISHED OCTOBER 11, 1938. Class 39.

363,451. RUBBER-BACKED CLOTH. BENJAMIN F. RUSKIN, New York, N. Y.
Filed July 16, 1938. Serial No. 408,579. PUBLISHED OCTOBER 18, 1938. Class 50.

363,452. MEN'S AND YOUNG MEN'S SUITS, TOPCOATS, OVERCOATS, AND SUMMER WEIGHT OUTER CLOTHING COMPRISING COATS, VESTS, AND TROUSERS. THE JOSEPH & FEISS COMPANY, Cleveland, Ohio.
Filed July 18, 1938. Serial No. 408,605. PUBLISHED OCTOBER 11, 1938. Class 39.

363,453. WOMEN'S AND GIRLS' OUTER SKIRTS, SWEATERS, AND DRESSES. THE MAJESTIC KNITWEAR COMPANY, Cleveland, Ohio.
Filed July 18, 1938. Serial No. 408,614. PUBLISHED OCTOBER 11, 1938. Class 39.

363,454. MACHINE DESIGNED FOR MEASURING FEET. DAVID WEISBERGER, New York, N. Y.
Filed July 19, 1938. Serial No. 408,674. PUBLISHED OCTOBER 18, 1938. Class 26.

363,455. LADIES', MEN'S, AND BOYS' HOSIERY. SCHECTER & ROTHBERG, doing business as Atwell Hosiery Co., New York, N. Y.
Filed July 21, 1938. Serial No. 408,764. PUBLISHED OCTOBER 11, 1938. Class 39.

363,456. MUFFLERS FOR INTERNAL COMBUSTION ENGINES AND PARTS THEREOF, AXLE AND DRIVE SHAFTS, CYLINDER HEADS, GEARS AND PINIONS AND AXLES. INTERNATIONAL PARTS CORP., Chicago, Ill.
Filed July 22, 1938. Serial No. 408,800. PUBLISHED OCTOBER 18, 1938. Class 23.

363,457. LADIES', MISSES', AND JUNIORS' DRESSES. LA VOGUE DRESS COMPANY, INCORPORATED, St. Louis, Mo.
Filed July 22, 1938. Serial No. 408,804. PUBLISHED OCTOBER 11, 1938. Class 39.

363,458. RADIO RECEIVING SETS AND COMBINATION RADIO RECEIVING SETS AND PHONOGRAPHS. CONTINENTAL RADIO AND TELEVISION CORPORATION, Chicago, Ill.
Filed July 25, 1938. Serial No. 408,875. PUBLISHED OCTOBER 18, 1938. Class 21.

363,459. WOMEN'S HOSIERY. ARTCRAFT SILK HOSIERY MILLS, INC., Philadelphia, Pa.
Filed July 26, 1938. Serial No. 408,911. PUBLISHED OCTOBER 11, 1938. Class 39.

363,460. RADIO RECEIVING SETS. BARKER BROS. CORPORATION, Los Angeles, Calif.
Filed July 26, 1938. Serial No. 408,912. PUBLISHED OCTOBER 18, 1938. Class 21.

363,461. BEER. NEW ORLEANS BREWING COMPANY, INC., New Orleans, La.
Filed July 28, 1938. Serial No. 409,008. PUBLISHED OCTOBER 18, 1938. Class 48.

363,462. MEN'S AND BOYS' HOSIERY. JOSEPH MANN, Boston, Mass.
Filed July 29, 1938. Serial No. 409,046. PUBLISHED OCTOBER 11, 1938. Class 39.

363,463. HOSIERY. NORTHMONT HOSIERY CORPORATION, Reading, Pa., and New York, N. Y.
Filed July 29, 1938. Serial No. 409,053. PUBLISHED OCTOBER 11, 1938. Class 39.

363,464. HOSIERY. NORTHMONT HOSIERY CORPORATION, Reading, Pa., and New York, N. Y.
Filed July 29, 1938. Serial No. 409,054. PUBLISHED OCTOBER 11, 1938. Class 39.

363,465. HOSIERY. NORTHMONT HOSIERY CORPORATION, Reading, Pa., and New York, N. Y.
Filed July 29, 1938. Serial No. 409,055. PUBLISHED OCTOBER 11, 1938. Class 39.

363,466. FOOD PRODUCT IN THE FORM OF A CONE MADE OF SPECIAL DOUGH SIMILAR TO HARD ROLLS AND FILLED WITH VARIOUS MEAT PRODUCTS. HARRY H. SNOVEL, doing business as Mee-Tee-Dee-Lites, Van Wert, Ohio.
Filed July 30, 1938. Serial No. 409,110. PUBLISHED OCTOBER 18, 1938. Class 46.

363,467. LADIES' AND MISSES' COATS AND SUITS. BREITSTEIN MANUFACTURING CO., INC., doing business as Brown Derby Coat Co., Los Angeles, Calif.
Filed August 4, 1938. Serial No. 409,230. PUBLISHED OCTOBER 11, 1938. Class 39.

363,468. GAME PLAYED WITH CARDS. FELIX MENDELSOHN, JR., Chicago, Ill.
Filed August 4, 1938. Serial No. 409,242. PUBLISHED OCTOBER 18, 1938. Class 22.

363,469. SEPARABLE SLIDE FASTENERS. CROWN FASTENER CORPORATION, Warren, R. I.
Filed August 5, 1938. Serial No. 409,262. PUBLISHED OCTOBER 18, 1938. Class 13.

363,470. NOZZLE SPOUTS. MCGRAW-PENNELL, INC., Detroit, Mich.
Filed August 5, 1938. Serial No. 409,278. PUBLISHED OCTOBER 18, 1938. Class 13.

363,471. WOMEN'S AND GIRLS' SKIRTS, WAISTS, SUITS, COATS, AND PAJAMAS; CHILDREN'S ROMPERS, DRESSES, AND SUITS; MEN'S AND BOYS' SUITS, COATS, AND TROUSERS. LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I., and New York, N. Y.
Filed August 6, 1938. Serial No. 409,321. PUBLISHED OCTOBER 11, 1938. Class 39.

363,472. CANDY. JOHN MACKINTOSH & SONS, LTD., INC., Boston, Mass.
Filed August 6, 1938. Serial No. 409,323. PUBLISHED OCTOBER 18, 1938. Class 46.

363,473. FURNITURE—NAMELY, COUCHES, CHAIRS, BOOK-CASES, CHINA CABINETS, TEA WAGONS, BENCHES, CABINETS, BOOK RACKS, ETC. BARKER BROS. CORPORATION, Los Angeles, Calif.
Filed August 8, 1938. Serial No. 409,340. PUBLISHED OCTOBER 18, 1938. Class 32.

363,474. TIRES. THE DAYTON RUBBER MANUFACTURING COMPANY, Dayton, Ohio.
Filed August 8, 1938. Serial No. 409,347. PUBLISHED OCTOBER 18, 1938. Class 35.

363,475. SHEETS, PILLOWCASES, AND COTTON PIECE GOODS. FRUIT OF THE LOOM, INC., Providence, R. I.
Filed August 9, 1938. Serial No. 409,394. PUBLISHED OCTOBER 18, 1938. Class 42.

363,476. SHEETS, PILLOWCASES, AND COTTON PIECE GOODS. FRUIT OF THE LOOM, INC., Providence, R. I.
Filed August 9, 1938. Serial No. 409,395. PUBLISHED OCTOBER 18, 1938. Class 42.

363,477. MEN'S AND BOYS' SUITS. THE MOYER MANUFACTURING COMPANY, Youngstown, Ohio.
Filed August 9, 1938. Serial No. 409,410. PUBLISHED OCTOBER 11, 1938. Class 39.

363,478. MEN'S AND BOYS' DRESS, NEGLIGEE, WORK, AND POLO SHIRTS, COLLARS, SPORT COATS, PAJAMAS, NIGHTSHIRTS, AND SLEEPING GARMENTS. ELDER MANUFACTURING COMPANY, St. Louis, Mo.
Filed August 10, 1938. Serial No. 409,422. PUBLISHED OCTOBER 11, 1938. Class 39.

363,479. LIQUID AND POWDERED DETERGENTS FOR LAUNDRY, DRY CLEANING, AND OTHER INDUSTRIAL PURPOSES. EMERY INDUSTRIES, INC., Cincinnati, Ohio.
Filed August 11, 1938. Serial No. 409,463. PUBLISHED OCTOBER 18, 1938. Class 4.

363,480. BAKING EMULSION MADE FROM VEGETABLE OILS USED IN THE MANUFACTURE OF BREAD, CAKES, ETC. PENICK & FORD, LTD. INCORPORATED, New York, N. Y.
Filed August 11, 1938. Serial No. 409,485. PUBLISHED OCTOBER 18, 1938. Class 46.

363,481. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS, EXTRACTS, AND FLAVORS USED IN MAKING THE SAME. ALBERT LEA BOTTLING WORKS, Albert Lea, Minn.
Filed August 12, 1938. Serial No. 409,498. PUBLISHED OCTOBER 18, 1938. Class 45.

363,482. MUFFIN MIX FOR MAKING CORNBREAD, CORN MUFFINS, CORN STICKS, AND HOE CAKES. MABEL WILLIAMS HUFF, doing business as Mabel's Muffin Mix Co., Evansville, Ind.
Filed August 12, 1938. Serial No. 409,524. PUBLISHED OCTOBER 18, 1938. Class 46.

363,483. GAS BURNERS AND COMBINATION OIL AND GAS BURNERS. JOHN S. ZINK, doing business as John Zink Company, Tulsa, Okla.
Filed August 12, 1938. Serial No. 409,546. PUBLISHED OCTOBER 18, 1938. Class 34.

363,484. CHILDREN'S DRESSES. JACK L. HONIG INC., New York, N. Y.
Filed August 13, 1938. Serial No. 409,571. PUBLISHED OCTOBER 11, 1938. Class 39.

363,485. TABLE CLOTHS, TOWELS, SHEETINGS, NAPKINS, DOILIES, MAT SETS, PILLOW CASES, AND PIECE GOODS OF COTTON, SILK, RAYON, WOOL, LINEN, AND/OR COMBINATIONS THEREOF. VERA W. MARGHAB, New York, N. Y., assignor to Emile Marghab, Incorporated, a corporation of New York.
Filed August 13, 1938. Serial No. 409,580. PUBLISHED OCTOBER 18, 1938. Class 42.

363,486. LADIES' HOSIERY. THE NOLDE AND HORST COMPANY, Reading, Pa.
Filed August 13, 1938. Serial No. 409,584. PUBLISHED OCTOBER 11, 1938. Class 39.

363,487. DENTAL RESTORATIONS. WASHINGTON DENTAL COMPANY, Washington, D. C.
Filed August 13, 1938. Serial No. 409,596. PUBLISHED OCTOBER 18, 1938. Class 44.

363,488. DENTAL RESTORATIONS. WASHINGTON DENTAL COMPANY, Washington, D. C.
Filed August 13, 1938. Serial No. 409,597. PUBLISHED OCTOBER 18, 1938. Class 44.

363,489. DENTAL RESTORATIONS. WASHINGTON DENTAL COMPANY, Washington, D. C.
Filed August 13, 1938. Serial No. 409,598. PUBLISHED OCTOBER 18, 1938. Class 44.

363,490. READY MIXED, DRY, AND PASTE PAINTS. GAMBLE STORES, INCORPORATED, Minneapolis, Minn.
Filed August 15, 1938. Serial No. 409,611. PUBLISHED OCTOBER 18, 1938. Class 16.

363,491. WOMEN'S, MISSES', AND CHILDREN'S DRESSES. RHEA MANUFACTURING COMPANY, Milwaukee, Wis.
Filed August 15, 1938. Serial No. 409,622. PUBLISHED OCTOBER 11, 1938. Class 39.

363,492. FOOD COMPOSITION IN DRY FORM SUITABLE FOR MAKING POTATO PANCAKES. DAVID DALSEY, doing business as Dalsey Co., Chicago, Ill.
Filed August 17, 1938. Serial No. 409,681. PUBLISHED OCTOBER 18, 1938. Class 46.

363,493. ADHESIVE BANDAGE AND FOOT PLASTER. THE SCHOLL MFG. CO., INC., Chicago, Ill.
Filed August 17, 1938. Serial No. 409,709. PUBLISHED OCTOBER 18, 1938. Class 44.

363,494. LOOSE-LEAF BOOKS, BINDERS, FILING APPARATUS, AND PARTS THEREOF. THE TENACITY MANUFACTURING COMPANY, Lockland, Ohio.
Filed August 17, 1938. Serial No. 409,713. PUBLISHED OCTOBER 18, 1938. Class 37.

363,495. BUSHINGS FOR THE OPENINGS OF METAL BARRELS, DRUMS, TANKS, AND BOILERS, AND TANK LUGS. PHOENIX MANUFACTURING COMPANY, Joliet, Ill.
Filed August 18, 1938. Serial No. 409,743. PUBLISHED OCTOBER 18, 1938. Class 13.

363,496. BURGUNDY, RHINE, MUSCATEL, RIESLING, ALICANTI, CHABLIS, SAUTERNE, BARBERA, BARBERONE, CLARET, ZIMFANDEL, CHIANTI, PORT, SHERRY, MUSCATO SECCO, ANGELICA, TOKAY, AND MARSALA. VINEYARD OF AMERICA, INC., Brooklyn, N. Y., now by change of name Sunny Valley Winery, Inc.
Filed August 19, 1938. Serial No. 409,789. PUBLISHED OCTOBER 18, 1938. Class 47.

363,497. MEN'S SPORT JACKETS. WILSON BROTHERS, Chicago, Ill.
Filed August 19, 1938. Serial No. 409,795. PUBLISHED OCTOBER 11, 1938. Class 39.

363,498. BOND PAPER. LEE PAPER COMPANY, Vicksburg, Mich.
Filed August 23, 1938. Serial No. 409,881. PUBLISHED OCTOBER 18, 1938. Class 37.

363,499. BOND PAPER. LEE PAPER COMPANY, Vicksburg, Mich.
Filed August 23, 1938. Serial No. 409,883. PUBLISHED OCTOBER 18, 1938. Class 37.

363,500. RAZOR BLADES. AMERICAN MERCHANDISE CO., INC., New York, N. Y.
Filed August 24, 1938. Serial No. 409,905. PUBLISHED OCTOBER 18, 1938. Class 23.

363,501. CRACKERS. BRIGHT BISCUIT COMPANY, INC., Kansas City, Kans.
Filed August 24, 1938. Serial No. 409,908. PUBLISHED OCTOBER 18, 1938. Class 46.

363,502. APPARATUS FOR THE TREATMENT OF SOLIDS SUSPENDED IN LIQUIDS, AND MORE PARTICULARLY FOR SEDIMENTATION APPARATUS SUCH AS THICKENERS AND CLARIFIERS. THE DORR COMPANY, INC., New York, N. Y.
Filed August 24, 1938. Serial No. 409,914. PUBLISHED OCTOBER 18, 1938. Class 23.

363,503. HOES, RAKES, HAY FORKS, MANURE FORKS, ALFALFA FORKS, HEADER FORKS, SPADING FORKS, AND LONG AND D-HANDLED SHOVELS AND SPADES AND HANDLES FOR SAME. HALL HARDWARE COMPANY, Minneapolis, Minn.
Filed August 24, 1938. Serial No. 409,918. PUBLISHED OCTOBER 18, 1938. Class 23.

363,504. POWDER PUFFS. THE HYGIENOL CO. INC., New Rochelle, N. Y.
Filed August 24, 1938. Serial No. 409,921. PUBLISHED OCTOBER 18, 1938. Class 29.

363,505. DOLLS. EDGAR J. BERGEN, Hollywood, Calif.
Filed August 26, 1938. Serial No. 409,989. PUBLISHED OCTOBER 18, 1938. Class 22.

363,506. MATTRESSES AND BOX SPRINGS. F. M. BLYSTONE, INC., Elmira, N. Y.
Filed September 3, 1938. Serial No. 410,247. PUBLISHED OCTOBER 18, 1938. Class 32.

363,507. FISH BAIT. UNCLE JOSH BAIT COMPANY, Fort Atkinson, Wis.
Filed September 6, 1938. Serial No. 410,318. PUBLISHED OCTOBER 18, 1938. Class 22.

363,508. FILTERS AND PARTS THEREOF, INCLUDING FILTER ELEMENTS. OTTO E. GIESE, doing business as August Giese & Son, New York, N. Y.
Filed September 7, 1938. Serial No. 410,327. PUBLISHED OCTOBER 18, 1938. Class 31.

363,509. COUNTER RACK. BLOOMFIELD MANUFACTURING COMPANY, Chicago, Ill.
Filed September 8, 1938. Serial No. 410,354. PUBLISHED OCTOBER 18, 1938. Class 32.

363,510. COUNTER RACK. BLOOMFIELD MANUFACTURING COMPANY, Chicago, Ill.
Filed September 8, 1938. Serial No. 410,355. PUBLISHED OCTOBER 18, 1938. Class 32.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

363,511. (CLASS 20. LINOLEUM AND OILED CLOTH.) SLOANE-BLABON CORPORATION, Trenton, N. J. Filed Mar. 31, 1937. Serial No. 390,751.

Custombilt

For Linoleum Tile, Linoleum Wall, and Linoleum Floor Coverings.
Claims use since Jan. 6, 1937.

363,512. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MANNINGS, INC., also doing business as Mannings, San Francisco, Calif. Filed Apr. 21, 1937. Serial No. 391,643.

Mannings

For Coffee and Tea.
Claims use since 1900.

363,513. (CLASS 2. RECEPTACLES.) COLT'S PATENT FIRE ARMS MANUFACTURING COMPANY, Hartford, Conn. Filed Nov. 12, 1937. Serial No. 399,645.

PURSE-KIT

For Plural Compartment Containers for Cosmetics, Medicines, and the Like, and Parts Thereof and Closures Therefor, Molded in Whole or in Part from Materials of the Synthetic Resin Class.
Claims use since Oct. 28, 1937.

363,514. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) PACIFIC DISTILLERS, INC., Culver City, Calif. Filed Nov. 22, 1937. Serial No. 400,023.

GARFORD'S

For Distilled Alcoholic Liquors—Namely, Gin.
Claims use since Oct 27, 1937.

363,515. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) WEST KENTUCKY COAL COMPANY, Sturgis, Ky. Filed Dec. 1, 1937. Serial No. 400,359.

SILVER VALLEY

For Coal.
Claims use since Oct. 25, 1937.

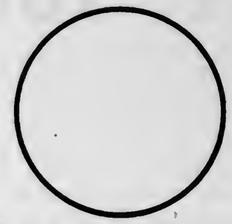
363,516. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC FRUIT AND PRODUCE COMPANY, INC., Seattle, Wash. Filed Jan. 3, 1938. Serial No. 401,504.

MELO-SWEET

For Fresh Bananas.
Claims use since Oct. 1, 1937.

363,517. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) ESBECO DISTILLING CORPORATION, Stamford, Conn. Filed Jan. 17, 1938. Serial No. 401,995.

McLOUGHLIN'S



For Whiskey.
Claims use since Apr. 29, 1935.

363,518. (CLASS 48. MALT BEVERAGES AND LIQUORS.) THE WILLIAM PETER BREWING CORP., Union City, N. J. Filed Feb. 11, 1938. Serial No. 402,950.

AMERICA'S BEST BY TEST

For Beer.
Claims use since Nov. 10, 1937.

363,519. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y. Filed Mar. 1, 1938. Serial No. 403,561.

SORBENTS

For Sanitary Napkins.
Claims use since Aug. 25, 1937.

363,520. (CLASS 11. INKS AND INKING MATERIALS.) GERMAC CO., New York, N. Y. Filed Mar. 16, 1938. Serial No. 404,125.

Inkscents

For Perfumed Writing Ink.
Claims use since Oct. 10, 1937.

363,521. (CLASS 12. CONSTRUCTION MATERIALS.) WEINMANN & CUENI, New York, N. Y. Filed Apr. 12, 1938. Serial No. 405,186.

alpha

For Steel Spiral for Use with Reinforced Concrete Construction.
Claims use since Apr. 8, 1937.

363,522. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FLORIDA CITRUS EXCHANGE, Tampa, Fla. Filed Apr. 23, 1938. Serial No. 405,635.

BEST-JUCE

For Fresh and Canned Citrus Fruits, and Fresh and Canned Citrus Fruit Juices for Food Purposes.
Claims use since Oct. 30, 1937.

363,523. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FLORIDA CITRUS EXCHANGE, Tampa, Fla. Filed Apr. 26, 1938. Serial No. 405,719.

BETR-JUCE

For Fresh and Canned Citrus Fruits, and Fresh and Canned Citrus Juices for Food Purposes.
Claims use since Oct. 30, 1937.

363,524. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HUGHES TOOL COMPANY, Houston, Tex. Filed May 12, 1938. Serial No. 406,251.

TRI-CONE

For Well Drills.
Claims use since March, 1934.

363,525. (CLASS 27. HOROLOGICAL INSTRUMENTS.) ARISTO IMPORT CO., INC., New York, N. Y. Filed June 13, 1938. Serial No. 407,411.

ARCO

For Watches, Clocks, and Stop-Watches.
Claims use since Oct. 1, 1934.

363,526. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HARRY FEILER COMPANY, INC., Louisville, Ky. Filed Aug. 5, 1938. Serial No. 409,264.

ATWOOD'S

For Piece Goods of Cotton, Wool, Rayon, Silk, and/or Combinations Thereof.
Claims use since Oct. 25, 1937.

363,527. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) STOEGER ARMS CORPORATION, New York, N. Y. Filed Aug. 18, 1938. Serial No. 409,748.

PEERLESS

For Rifle Barrels, Rifle Barrel Blanks, Gun Stock Blanks, Unfinished Gun Stocks, and Finished Gun Stocks.
Claims use since Mar. 1, 1934.

363,528. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ROBERT BOSCH GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Stuttgart, Germany. Filed Sept. 16, 1938. Serial No. 410,634.

BOSCH

For Glow Plugs Used with Internal Combustion Engines, and Direction Indicators and Switches Therefor.
Claims use since 1923 on glow plugs; and since 1928 on other goods.

363,529. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ROBERT BOSCH GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Stuttgart, Germany. Filed Sept. 16, 1938. Serial No. 410,635.

BOSCH

For Fuel Supply Pumps, Filters for Fuel and Oil, Governors for Internal Combustion Engines, and Parts of the Said Goods.
Claims use since 1932 on fuel supply pumps; and since 1931 on other goods named.

363,530. (CLASS 37. PAPER AND STATIONERY.) ANCO CORPORATION, Pittsburgh, Pa. Filed Sept. 21, 1938. Serial No. 410,817.

MEDICAL

For Toilet Paper.
Claims use since July 1, 1936.

363,531. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FASTEETH, INCORPORATED, Binghamton, N. Y. Filed Sept. 24, 1938. Serial No. 410,890.

KLEENTEETH

For a Dental Plate Cleaner.
Claims use since May 15, 1937.

363,532. (CLASS 32. FURNITURE AND UPHOLSTERY.) D. N. & E. WALTER & CO., San Francisco, Calif. Filed Sept. 26, 1938. Serial No. 411,020.

PEERLESS

For Venetian Blinds.
Claims use since Nov. 1, 1935.

363,533. (CLASS 31. FILTERS AND REFRIGERATORS.) GUNHILD I. MILLER, doing business as Kwik Kleen Filter Company, Chicago, Ill. Filed Oct. 8, 1938. Serial No. 411,422.

KWIK KLEEN

For Filters for Water and Other Liquids.
Claims use since January, 1932.

363,534. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ELGIN LABORATORIES INC., Chicago, Ill. Filed Oct. 27, 1938. Serial No. 412,089.

ELGIN

For Sewing Machines and Parts Thereof.
Claims use since Aug. 6, 1935.

363,535. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) FRED MEYER, INC., Portland, Oreg. Filed Nov. 8, 1938. Serial No. 412,516.

MY-TE-FINE

For Matches.
Claims use since July 1, 1934.

LABELS

REGISTERED DECEMBER 27, 1938

52,267.—*Title:* ALAGA. For Cane and Corn Syrup. ALABAMA-GEORGIA SYRUP COMPANY, Montgomery, Ala. Published November 8, 1938.

52,268.—*Title:* VIM BREAD. For Bread. ATLAS BAKING COMPANY, INC., Richmond, Va. Published December 18, 1937.

52,269.—*Title:* SCREENLAND. For Men's Hats. CALVERT HATS, INC., Baltimore, Md. Published October 14, 1938.

52,270.—*Title:* MOVIE-TOWN. For Men's Hats. CALVERT HATS, INC., Baltimore, Md. Published October 14, 1938.

52,271.—*Title:* FINE FOOTWEAR. For Footwear. A. C. CLAYTON PRINTING CO., St. Louis, Mo. Published July 16, 1935.

52,272.—*Title:* COLONIAL BROWNZITE. For a Ready Mixed Brown Paint. COLONIAL WORKS, Brooklyn, N. Y. Published December 1, 1938.

52,273.—*Title:* CREOLE BELLE. For Coffee. GRIMMER COFFEE COMPANY, Lafayette, La. Published November 17, 1938.

52,274.—*Title:* PRINCESS CHIC. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published June 20, 1938.

52,275.—*Title:* RADCLIFFE SHOES. For Boxes. HOAGUE SPRAGUE CORPORATION, Lynn, Mass. Published June 1, 1938.

52,276.—*Title:* BEAUTIFUL SHOES. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published June 27, 1938.

52,277.—*Title:* COCO-WHEATS. For a Cocoa Coated Wheat Cereal. LITTLE CROW MILLING COMPANY, INC., Warsaw, Ind. Published September 4, 1938.

52,278.—*Title:* WESTERN STYLE DAIRY-FRESH BUTTER. For Butter. JOE. S. MCILHANEY, doing business as McIlhaney Dairy Products, Lubbock, Tex. Published October 27, 1938.

52,279.—*Title:* M.L.S.A. KENTUCKY STRAIGHT BOURBON WHISKEY. For Kentucky Straight Bourbon Whiskey. MUNICIPAL LIQUOR STORES ASSOCIATION, Two Harbors, Minn. Published November 1, 1938.

52,280.—*Title:* CALIFORNIA FOR YOU. For Beach and Sportswear. HAROLD C. MYERS, doing business as E. B. Myers Co., Los Angeles, Calif. Published October 28, 1938.

52,281.—*Title:* DAYETTE. For Hosiery. NORTHMONT HOSIERY CORPORATION, Reading, Pa. Published May 25, 1938.

52,282.—*Title:* O-SO-EZY WHITE SHOE CLEANER. For a White Shoe Cleaner for All White Shoes. O-CEDAR CORP'N, Chicago, Ill. Published November 28, 1938.

52,283.—*Title:* O-CEDAR MACHINE OIL. For Machine Oil, an All Purpose Lubricating Oil for Home, Shop, and Office Use. O-CEDAR CORP'N, Chicago, Ill. Published November 28, 1938.

52,284.—*Title:* SHOT. For Straight Bourbon Whiskey. GRACE RANTZ, Cleveland, Ohio. Published October 10, 1938.

52,285.—*Title:* BLUE LILY BRAND. For Sugar Corn. THOMAS SUPPLY CO., Lilypons, Md. Published November 21, 1938.

52,286.—*Title:* YOUNG'S. For Blended Whiskey. ALEXANDER YOUNG DISTILLING CO., Philadelphia, Pa. Published November 3, 1938.

52,287.—*Title:* YOUNG'S. For Distilled Dry Gin. ALEXANDER YOUNG DISTILLING CO., Philadelphia, Pa. Published November 3, 1938.

PRINTS

REGISTERED DECEMBER 27, 1938

17,170.—*Title:* LINABESTOS. For Asbestos Cement Boards. KEASBEY & MATTISON COMPANY, Ambler, Pa. Published November 9, 1938.

17,171.—*Title:* SENSATION OF THE YEAR. For Ice Cream. WELCH FRUIT PRODUCTS CO., Chicago, Ill. Published August 16, 1938.

17,172.—*Title:* TAKE HOME BLACK KOW ICE CREAM! A NEW TREAT! For Ice Cream. WELCH FRUIT PRODUCTS CO., Chicago, Ill. Published August 16, 1938.

17,173.—*Title:* A NEW TASTE THRILL! TRY A BLACK KOW CONE. For Ice Cream. WELCH FRUIT PRODUCTS CO., Chicago, Ill. Published August 16, 1938.

17,174.—*Title:* A NEW TASTE THRILL! For Ice Cream. WELCH FRUIT PRODUCTS CO., Chicago, Ill. Published August 16, 1938.

17,175.—*Title:* TEMPTING . . DELICIOUS. For Ice Cream. WELCH FRUIT PRODUCTS CO., Chicago, Ill. Published August 16, 1938.

REISSUES

DECEMBER 27, 1938

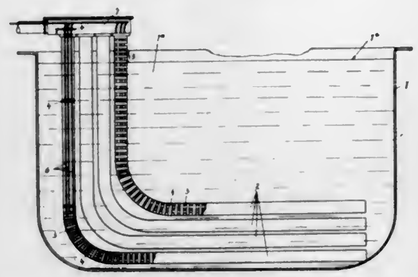
20,954

IMMERSION HEATER FOR BATHS

Alfred Kärcher, Stuttgart-Cannstatt, Germany, assignor to the firm Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany, a corporation of Germany

Original No. 2,097,981, dated November 2, 1937, Serial No. 39,030, September 3, 1935. Application for reissue May 4, 1938, Serial No. 206,085. In Germany September 3, 1934

16 Claims. (Cl. 219—41)



1. An electrical heating element for immersion heating of baths comprising a curved pipe having a conductor supported by spaced insulators extending therein, said insulators being substantially flat, and thin in section, and being formed with a plurality of corners which provide substantially point-like bearings for said insulators against the inside walls of said pipe.

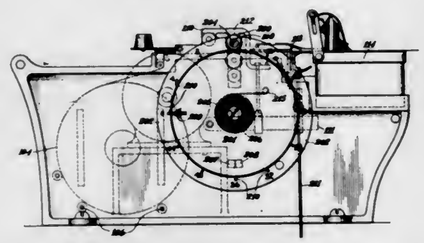
20,955

TAPE SERVING MACHINE

Theodore H. Krueger, Stratford, Conn., assignor to Better Packages Inc., New York, N. Y., a corporation of New York

Original No. 1,742,603, dated January 7, 1930, Serial No. 211,662, August 9, 1927. Application for reissue June 5, 1931, Serial No. 542,442

2 Claims. (Cl. 91—14.5)



1. A strip serving machine of the type described comprising a supply of gummed strip, a strip moistening means, a strip severing means and a continuously movable strip feeding means normally inoperative to move the strip, means to cause said feeding means to engage the strip to feed the same from the machine, and visual means for measuring the length of strip fed from the machine.

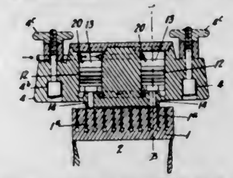
20,956

ROLL AND BAR GRINDING MILL

Asbjorn Sonsthagen, London, England

Original No. 2,024,073, dated December 10, 1935, Serial No. 740,575, August 20, 1934. Application for reissue December 7, 1937, Serial No. 178,542. In Great Britain March 17, 1933

3 Claims. (Cl. 83—22)



1. A grinding mill comprising a pair of members mounted for relative movement closely adjacent each other; one of the members presenting to the other member an extended surface of wide area; the other substantially continuously co-operating with said surface along an unbroken, substantially or approximately straight long narrow line transverse to the direction of said relative movement to form with this surface a grinding gap; one of said members being throughout said line bendable toward the other member; and hydraulic pressure means engaging the bendable member at distances spaced in the direction of said line and pressing it toward the other member throughout said line with a constant pressure of constant intensity; the pressure-intensity and points and direction of application of said pressure means and the degree of bendability of the bendable member being such that said members are at all times held firmly at their correct distance apart upon opposite sides of the gap and through all parts of the said line both before and after wear of said members in use, the said line of co-operation being at all times continuous, integral and free from sudden bends or angles in a plane normal to said surface said members, at the grinding face thereof, comprising rigid material.

20,957

LUBRICATING COMPOSITION

Chester Tietig, Covington, Ky.

No Drawing. Original No. 2,063,473, dated December 8, 1936, Serial No. 691,248, September 27, 1933. Application for reissue October 20, 1938, Serial No. 236,071

7 Claims. (Cl. 87—9)

1. A composition of matter comprising less than 5% and at least 0.10% by weight of a naphthene sulfonic acid salt of a heavy metal, which salt is dissolved in mineral lubricating oil.

20,958

ADJUSTABLE GUN CHOKE

Ezekiel Field White, West Hartford, Conn.

Original No. 2,102,931, dated December 21, 1937, Serial No. 55,395, December 20, 1935. Application for reissue October 29, 1938, Serial No. 237,781

7 Claims. (Cl. 42—79)

1. An adjustable choke for gun barrels which comprises a cylindrical shell having its forward

portion divided longitudinally into separate segments, said segments having a plurality of spaced

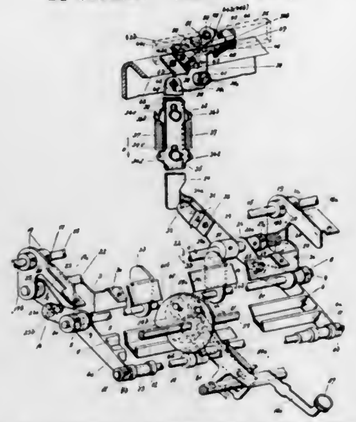


tapering shoulders extending transversely across their outer faces, and a sleeve adjustably connected to and movable longitudinally of the axis of said shell, said sleeve having a plurality of spaced internal angular tapering shoulders adapted to constantly engage said tapering shoulders on the segments for contracting said segments from parallel relation to the axis of the shell to angular relation to the axis of the shell and preventing the segments from flexing, under the impact of the charge as the gun is fired, when they are contracted from cylindrical relation.

PATENTS

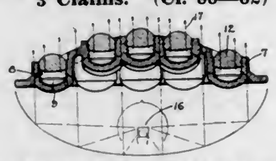
GRANTED DECEMBER 27, 1938

2,141,158
TYPEWRITER, TYPEWRITER CALCULATING MACHINE, AND THE LIKE
Robert Anschütz, Zella-Mehlis, Germany, assignor to Mercedes Büromaschinen-Werke Aktiengesellschaft, Benshausen, Thuringia, Germany
Application August 2, 1934, Serial No. 738,129
In Germany August 16, 1933
14 Claims. (Cl. 197—82)



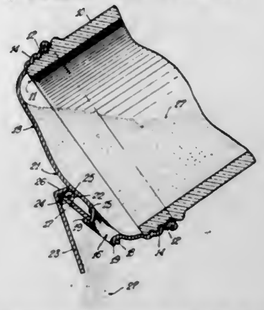
1. In typewriters, typewriter calculating machines and the like, a carriage, a carriage escapement mechanism including a loose dog for limiting the movement of the carriage in letter spacing direction, keys for controlling the operation of said escapement mechanism, a driving shaft, means between said driving shaft and said carriage to uniformly move said carriage in letter spacing direction on operation of said keys, said means being adapted to hold said carriage against retrograde movement in the moment of limitation of its letter spacing movement by said dog, and spring means normally urging said carriage against said dog for holding said carriage in position after its release by the first mentioned means.

2,141,159
LENS
Carl V. Bergstrom, Milwaukee, Wis., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application July 10, 1933, Serial No. 679,599
Renewed August 24, 1935
3 Claims. (Cl. 88—82)



1. In a device of the character described, the combination of a lamp lens provided with a plurality of integral pockets, reflectors mounted in said pockets, and a lens associated with each reflector and in light conductive relation with said lamp lens.

2,141,160
DISPENSER
Samuel Bloomfield, Chicago, Ill.
Application May 21, 1938, Serial No. 209,310
6 Claims. (Cl. 221—62)



1. A dispenser for granular substances and the like and including an upright receptacle, a top for said receptacle, a spout formed in said top by extrusion and closure means for said spout including an arm having an apertured portion embracing the spout, said spout having rim portions forced against said member to secure the latter against movement relative to the spout and a substantially planar closing flap pivotally mounted near one end on an end portion of said member remote from the spout, said flap being normally disposed by gravity against the opening of the spout to close the latter when the receptacle is in upright position.

2,141,161
METHOD OF FORMING SEVERABLE FLANGES FOR SLIP COVERS AND THE LIKE
Leon E. La Bombard, Nashua, N. H., assignor to Oswego Falls Corporation, Fulton, N. Y., a corporation of New York
Original application December 12, 1934, Serial No. 757,164. Divided and this application October 30, 1936, Serial No. 108,455
4 Claims. (Cl. 93—39.1)

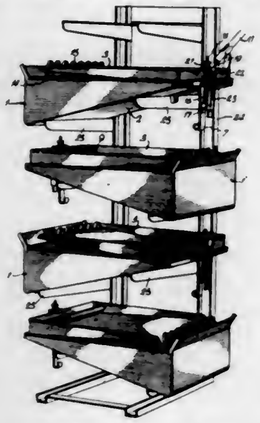


1. The method of making slip covers for cylindrical containers comprising a discoidal portion and a depending flange portion, consisting in forming a tube of thin, flexible material having a plurality of layers, forming one of said layers of a plurality of strips with one of said strips not greater in width than the depth of the flange of the slip cover, severing the tube into sections, and securing a disk to one end of each section.

2,141,162
PHOTOGRAPHIC PRINT WASHER
Albert G. Brandt, Cincinnati, Ohio
Application June 10, 1937, Serial No. 147,529
7 Claims. (Cl. 95—99)

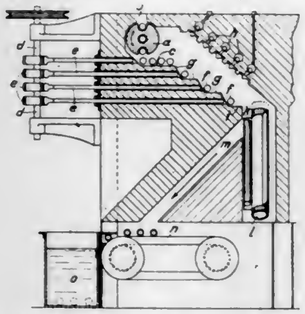
1. An appliance of the nature disclosed for washing photographic prints and the like com-

prising, a pan, a tray pivotally mounted within the pan and adapted to receive an overbalancing liquid supply for tilting the tray and discharging the liquid into the pan, a trough at the head end of the tray for receiving a liquid supply and aper-



tured for draining the liquid into the tray beneath the prints deposited therein, and a guard across the discharge end of the tray for withholding dispatch of the prints when tilting the tray to discharge the liquid.

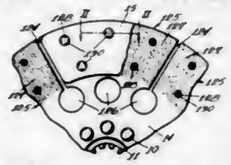
2,141,163
METHOD OF AND FURNACE FOR COATING PIPES WITH METAL
Matthäus Braun, Frankfort-on-the-Main, Germany
Application June 2, 1937, Serial No. 146,049
In Germany June 18, 1936
8 Claims. (Cl. 91—12.2)



1. A method of coating pipes internally with metal comprising subjecting the pipes internally charged with coating metal to heat sufficient to melt the coating metal and simultaneously rolling said pipes in horizontal position and intermittently down a series of approximately vertical positions to cause the molten coating metal to apply itself uniformly over the interior of said pipes.

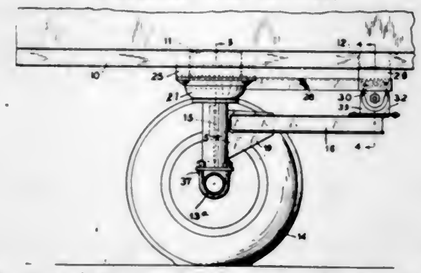
4. An oven for internally coating pipes with molten metal comprising a chamber extending obliquely downwardly through the oven, said chamber having its bottom formed with a series of steps capable of supporting the pipes, means for introducing the pipes charged internally with coating metal and in horizontal position onto the uppermost step of the chamber bottom, means acting intermittently and transversely to the pipes on said steps to roll the pipes to the edges of the steps whereby they fall by gravity from one step to the next, means for subjecting the pipes to heat above the fusion heat of the coating metal while the pipes are rolling down said steps, and means for discharging the pipes from the lowermost step to the outside of the oven.

2,141,164
AUTOMATIC CLUTCH
Paul H. Brehm, Kent, Ohio, assignor to Automatic Drive & Transmission Company, Gloucester City, N. J., a corporation of New Jersey
Application August 17, 1933, Serial No. 685,603
2 Claims. (Cl. 192—107)



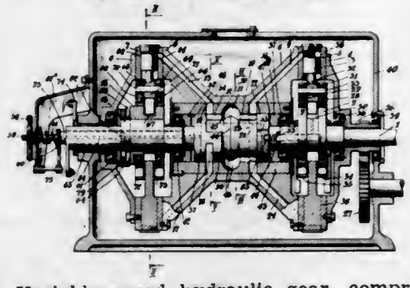
1. An assembly comprising a relatively soft, metallic molded friction face having a relatively low coefficient of friction in combination with an element, said face being of substantially the same shape as said element, abrasive material on the element side of said face to increase the coefficient of friction thereof, corresponding apertures and lugs provided in conjunction with said face and said element to prevent relative movement therebetween when assembled, said lugs being formed of relatively soft material to prevent excessive wear on elements designed to cooperate with said assembly in operation.

2,141,165
RUNNING GEAR
Arthur P. Armington, Willoughby, Ohio; Katherine Stewart Armington, executrix of Arthur P. Armington, deceased, assignor to The Euclid Road Machinery Company, Euclid, Ohio, a corporation of Ohio
Application February 26, 1937, Serial No. 127,975
5 Claims. (Cl. 267—63)



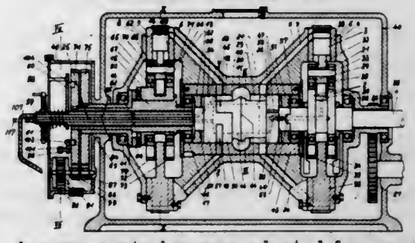
1. In a vehicle having a pair of wheels, axle means therefor, and body means, means mounting said body means in elevated position upon said axle means and comprising rigid load-carrying structure generally of arched form extending laterally with said axle means, disposed thereabove and secured thereto adjacent said wheels, positioning structure for said load-carrying structure, and a pair of non-metallic resilient elements of upwardly divergent form mounted upon the top of said load-carrying structure adjacent its lateral extremities, each element with its larger end in supporting relation with said body means, and each element having side wall parts stressed in compression by said relation.

2,141,166
HYDRAULIC TRANSMISSION
Bernhard Bischof, Kiel, Germany
Application August 20, 1934, Serial No. 740,669
In Germany August 23, 1933
15 Claims. (Cl. 60—53)



1. Variable speed hydraulic gear, comprising in combination a pump casing, a pump cylinder block within the said casing with borings in the said block, pistons disposed in these borings and adapted upon their movement to displace a liquid, a shaft adapted to be rotated by an external power source, driving elements which are connected with the said shaft and transmit the motion to the said pistons, a motor casing, a motor cylinder block within the said casing with borings in the said block, pistons disposed in the said motor cylinder borings and adapted to reciprocate therein, driving elements for the said motor cylinder pistons about which the said motor casing is mounted to be rotatable, means for establishing connection between the said motor piston driving elements and the said motor pistons in order to impart reciprocatory motion to the said motor pistons by the rotation of the said motor casing, means adapted to adjust the said motor piston driving elements and together therewith the stroke of the said motor pistons, a distributor casing firmly connected to the said pump casing and the said motor casing and arranged co-axial thereto, the said distributor casing having a hollow space disposed centrally therein and passages for conveying the liquid displaced by the said pump cylinder pistons into the said hollow space, slide valves arranged co-axially in the said hollow space which distribute the liquid between the said pump casing and the said motor casing and having a substantially bell-shaped form, the said slide valves in their normal position of operation bearing against each other with their annular end faces and forming by means of cavities furnished therein an external chamber and an internal chamber, whereby the said slide valves are devoid of any structural elements within the same adapted to transmit appreciable forces or to support any part of the said pump casing or the said motor casing, means in association with the slide valve pertaining to the said pump casing for holding it in the correct position in relation to the said pump piston driving elements, means in association with the slide valve pertaining to the said motor casing for holding it in the correct position in relation to the said motor piston driving elements, passages in the said distributor casing for conducting the liquid from the said hollow space in the said distributor casing to the said motor casing, means adapted always to hold the said motor slide valve and the said holding means in association therewith at the same angle in relation to the said motor piston driving elements as compared with the axis of the gear, the arrangement being such that the said pump casing, the said distributor casing and the said motor casing form a single driven rotatable unit supplying the gear output, so that the said unit receives the power from the said shaft driven by the said foreign power source, whilst the casing can also be adapted to be driven itself by the said foreign power source and transmit the power to the said shaft.

2,141,167
CONTROL MEANS FOR HYDRAULIC TRANSMISSION
Bernhard Bischof, Kiel, Germany
Application November 30, 1936, Serial No. 113,284
In Germany December 11, 1935
7 Claims. (Cl. 60—53)

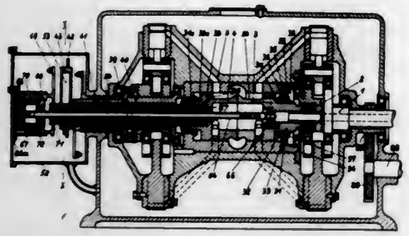


1. A servo-control means adapted for use with hydraulic variable speed gears which are regulated without break by variation of the piston stroke by the relative displacement of two eccentrics situated one over the other and comprising in substance a pump, a motor, a mechanism for distributing liquid between the said motor and the said pump, and a box surrounding the complete gear, the said control means comprising in combination a gear-wheel motor consisting of a casing, two gear wheels so mounted in the said casing as to continuously mesh with each other, means for conducting oil under pressure to the one or the other side of the said gear wheels for the purpose of being able to drive the said gear wheels in either direction, the said casing being firmly connected with the said box surrounding the gear or with other fixed parts, two eccentrics situated one over the other, means for establishing connection between the said gear-wheel motor and the said eccentrics and adapted to allow each of the said gear wheels always to act on the same eccentric and producing the simultaneous mutual displacement of the said eccentrics, means adapted to permit selectively of manual or automatic control of the said gear-wheel motor, and means connected with those parts of the gear serving to distribute the liquid between the said motor and the said pump, the said latter means also being connected with the said box or other parts through the medium of elements adapted always to hold the said latter means in proper position in relation to the said eccentrics.

2,141,168
SLIDE VALVE ARRANGEMENT FOR HYDRAULIC GEARS
Bernhard Bischof, Kiel, Germany
Application December 29, 1936, Serial No. 118,067
In Germany January 28, 1936
14 Claims. (Cl. 60—53)

1. Hydraulic gear of the piston type, comprising in combination a pump, a motor, rotary slide valves which distribute the current of liquid between the said pump and the said motor, at least one slide valve casing acting as bearing sleeve for the said slide valves, members controlling the movement of the said slide valves relative to said casing, elements for each slide valve fitted between the slide valve and the members controlling its movement and so constructed that the said slide

valves are capable of moving freely in all directions except rotation in relation to their said

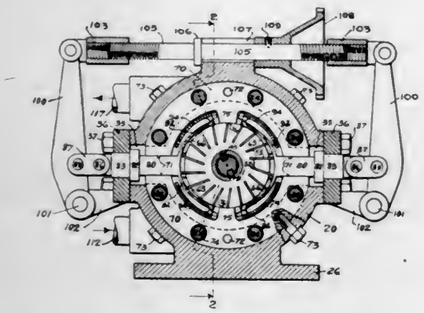


bearing sleeve, the said elements serving primarily to ensure proper positioning of the said slide valves.

2,141,169
PROCESS OF MAKING SHAPED ARTICLES FROM SYNTHETIC POLYMERS
Willard E. Catlin, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 15, 1937, Serial No. 125,927
15 Claims. (Cl. 18—57)

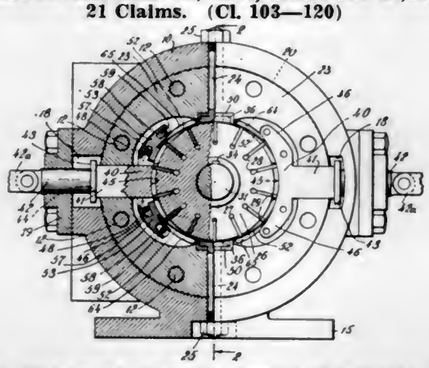
1. In a process for making transparent films and sheets, the steps comprising forming a film from a synthetic linear condensation polyamide having an intrinsic viscosity above 0.4, in a solution containing hydrogen chloride, and removing solvent from said film.

2,141,170
ROTARY PUMP OR MOTOR
Hugo A. Centervall, Brooklyn, N. Y., assignor to Manly Corporation, New York, N. Y., a corporation of Delaware
Application April 13, 1934, Serial No. 720,418
Renewed June 19, 1937
33 Claims. (Cl. 103—120)



1. In a rotary pump or motor of variable capacity, a rotor, a plurality of vanes movable inwardly and outwardly in slots of said rotor, a track of variable circumferential length having a surface for guiding the ends of the vanes in their in-and-out movement, and means for simultaneously varying the circumferential length of the track and the capacity of the pump or motor, said track including a flexible portion bendable to varying degrees as the circumferential length of the track is varied to give the right curvature to produce a smooth guiding of the vanes at any given capacity of the pump or motor.

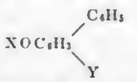
2,141,171
ROTARY PUMP OR MOTOR
Hugo A. Centervall, Brooklyn, N. Y., assignor to Manly Corporation, New York, N. Y., a corporation of Delaware
Application June 25, 1936, Serial No. 87,176
21 Claims. (Cl. 103—120)



1. In a rotary pump or motor of variable capacity, a casing, a rotor, a plurality of vanes movable inwardly and outwardly of said rotor, a stationary abutment carried by said casing and having a track surface of fixed curvature, means for varying the capacity of said pump or motor including a track for said vanes comprising an abutment having a track surface of fixed curvature, said last-mentioned abutment being movable to alter the capacity of said pump or motor and to vary the circumferential length of said track, and a flexible element carried at one end by said stationary abutment and having its opposite end engaging a portion of said movable abutment in all positions of said movable abutment.

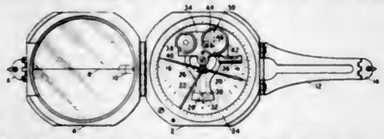
2,141,172
DERIVATIVES OF PHENYL-PHENYL ESTERS
Walter G. Christiansen, Glen Ridge, N. J., and Sidney E. Harris, Lynbrook, N. Y., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Original application September 7, 1933, Serial No. 688,496. Divided and this application July 2, 1936, Serial No. 88,590
7 Claims. (Cl. 260—479)

1. Compounds having the general formula



wherein X represents a carboxylic acyl and Y represents a member of the group consisting of alkyl and halogen.

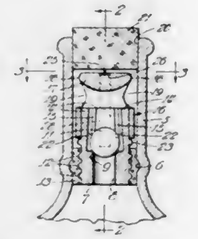
2,141,173
GEOLOGICAL INSTRUMENT
Francisco J. Cordova, near Sheffield, Ala.
Application February 1, 1938, Serial No. 188,134
5 Claims. (Cl. 33—69)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A geological instrument for the measurement of the angle of dip and the direction of

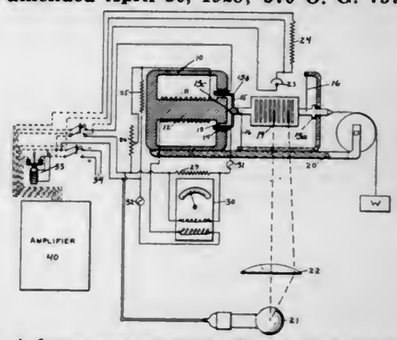
strike which comprises, the combination of a pocket transit with a longitudinal bubble level, and a circular bubble level with a convex cover which registers in a plane at right angles to the plane of register of the longitudinal bubble; and a circular bubble level with a concave cover, which is in the same plane as the bubble level with the convex cover, and two indicia across the concave cover in planes at right angles to each other with the plane of one of the indicia parallel to the plane of register of the longitudinal level.

2,141,174
BOTTLE CLOSURE
Frank J. Davis, Chicago, Ill., assignor, by mesne assignments, of two-thirds to Alfred J. Moldenhauer and one-third to Oscar M. Meusel, both of Chicago, Ill.
Application June 24, 1936, Serial No. 87,029
7 Claims. (Cl. 215—21)



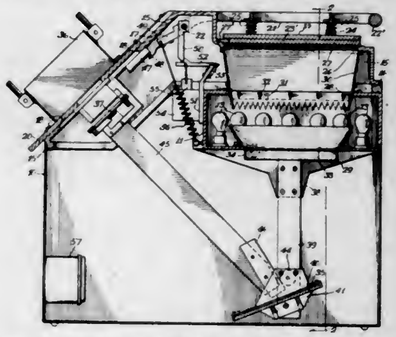
7. In a stopper for attachment to a bottle to render the same non-refillable, the combination with a bottle neck having an internal annular groove formed therein, of a body member having a plurality of annular ribs formed thereon, a sleeve of resilient compressible material surrounding said member and engaging said ribs and groove, said body member and sleeve being rigidly secured in the neck of the bottle adjacent said groove, said member having an aperture formed therein communicating with the interior of the bottle and having a valve seat surrounding said aperture, an outwardly extending annular projection on said body member above said sleeve, a ball engageable with said seat, a plurality of guide fingers on said body member and annularly spaced around said ball, the inner surfaces of the respective fingers being inclined to a line extending axially of said body member and bottle for directing said ball toward said seat when the bottle is in a horizontal position, a cap member engaging said body member and outwardly extending projection thereon, said cap member having oppositely disposed apertures formed therein communicating with the interior of said body member and having communicating recesses formed in the top and side surfaces of said cap, a U-shaped clip positioned in said recesses and having inwardly extending end portions engaging the projection on said body member for securing the cap member and body member together, said clip being positioned closely adjacent the inner side of said bottle neck to prevent disengaging of the inwardly extending end portions of the clip from the projection on said body member, and retaining means on said cap member for retaining said ball against displacement with respect to said fingers.

2,141,175
DISTANT READING ELECTROMAGNETIC BALANCE
Samuel E. Dawson, Washington, D. C.
Application March 2, 1934, Serial No. 713,761
5 Claims. (Cl. 177—351)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A force-measuring device comprising a support, a constant-field magnet having an annular air-gap carried thereby, a movable, annular coil disposed to move axially within said air-gap, a shaft restricted to motion of small amplitude and connected axially to said movable coil at one end thereof, parallel flexible means between said support and said shaft to permit axial movement of said shaft in such a manner that the weight of said shaft and movable coil will exert no substantial force on said movable coil and tending to so position it that said movable coil will be maintained in a predetermined location axially of said air-gap when the device is in neutral operating position and no force is being measured, a light valve grid mounted on said shaft between said parallel means, a parallel cooperating grid mounted on said support and means for connecting a means exerting a force to be measured axially at the other end of said shaft.

2,141,176
LOOSE SHEET CAMERA
Rupert H. Draeger, United States Navy
Application August 20, 1937, Serial No. 160,044
7 Claims. (Cl. 88—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

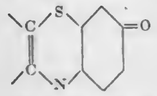


1. In a copying apparatus, a casing, an aperture therein, a transparent plate in said aperture upon which material to be photographed may be placed face downwardly, a photographic camera, a mounting for said camera moveable in cooperative relation with an aperture in said casing,

means for illuminating said transparent plate from below, whereby when material to be copied lies upon said plate, the incident rays will be reflected thereby, a movable mirror in said casing in cooperative relation with said transparent plate and with said camera, and means for automatically controlling the moving of said mirror, upwardly toward said plate in correspondence with the movement of said camera-mounting.

2,141,177
SULPHUROUS DYESTUFFS AND PROCESS OF MAKING SAME
Ernst Dür, Basel, Switzerland, assignor to Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application August 10, 1934, Serial No. 739,357. In Switzerland August 23, 1933
1 Claim. (Cl. 260—243)

The sulphurous dyestuffs containing the thiazine grouping

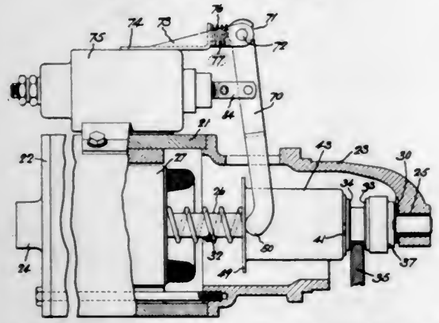


wherein the pair of carbon atoms



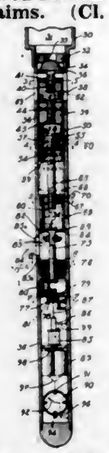
belongs to an anthracene nucleus, which products represent dark powders insoluble in water, and dyeing cotton from alkaline baths containing reducing agents black to olive to green and blue tints.

2,141,178
ENGINE STARTER
John B. Dyer, Pendleton, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 5, 1935, Serial No. 52,947
Renewed March 6, 1937
25 Claims. (Cl. 74—6)



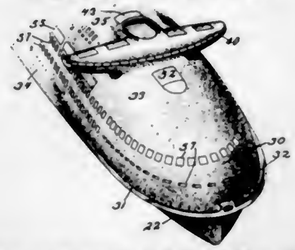
1. In an engine starter, the combination of a driven disc connected with the engine, driving discs located respectively on opposite sides of the driven disc, a starting motor, a shaft driven by the motor, means independent of the motor for moving the driving discs against the driven disc prior to operation of the motor, and independent driving connections between the shaft and driving discs, said connections each including camming members whereby, in response to operation of the motor after operation of said independent disc moving means, each driving disc is urged against the driven disc with pressure sufficient for driving engagement, and whereby, when the engine becomes self-operative, the driving pressure will be relieved.

2,141,179
TIMED DUMP BAILER
George H. Ennis, Long Beach, Calif., assignor of one-half to Robert V. Funk, Long Beach, Calif.
Application September 13, 1935, Serial No. 40,437
Renewed March 19, 1938
12 Claims. (Cl. 161—7)



1. In an apparatus of the class described, for delivering a charge of material into a well, and having a reservoir for holding the material and a valve operable to discharge the material from said reservoir, the combination of: valve-opening means for opening said valve; and time means which may be set to actuate after a lapse of time to actuate said valve-opening means.

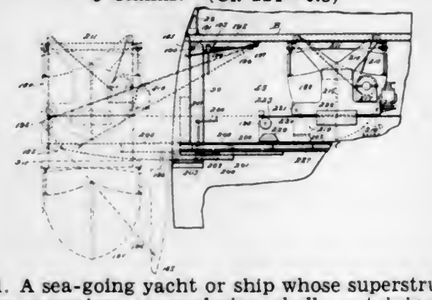
2,141,180
SHIP
Norman Bel Geddes, New York, N. Y.
Application August 28, 1934, Serial No. 741,748
2 Claims. (Cl. 114—0.5)



1. In an ocean-going ship of the class having a system of interior decks within the enclosed hull and superstructure, and the enclosed superstructure of which has a substantially narrowed beam at such decks as are above the level of widest beam by reason of convergence of the ship sides above such level; a means for launching and loading a small boat accommodated in a compartment between two decks both substantially above the level of widest beam of the ship; characterized by a skin-panel normally closing the launching exit of the compartment, said panel being fitted at the lower of such two decks to swing out and down substantially flush with such lower deck, and having means for

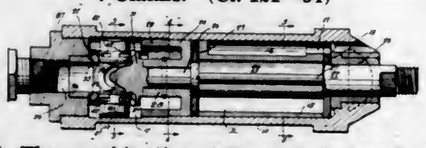
there holding it, thereby to operate as a gangway projecting beyond the point of widest beam well above water level for loading said small boat, and davit mechanism between said two decks comprising a frame having upper and lower members and bodily slidable upon the lower of such two decks transversely in said compartment and having its upper members projecting outwardly well beyond its lower members whereby to project beyond the point of widest beam of the ship when the lower members of said davit frame are slid substantially to the edge of such lower deck, thereby to carry the small boat outwardly from the compartment through such exit and above and beyond said panel-gangway and beyond the widest beam of the ship, and adapted thereupon to lower the small boat into loading relation to the gangway and thence to the water.

2,141,181
SHIP
Norman Bel Geddes, New York, N. Y.
Application December 4, 1934, Serial No. 755,865
6 Claims. (Cl. 114—0.5)



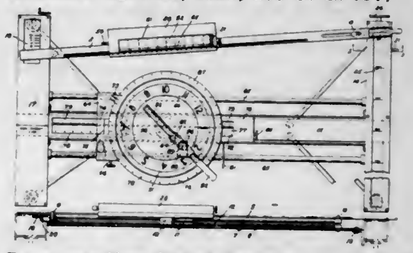
1. A sea-going yacht or ship whose superstructure comprises an enclosing shell containing a series of interior decks; and characterized by means as follows affording a closable landing platform; a side panel of said superstructure shell being formed as a door above the level of an interior landing deck, said door-panel having hinges at its lower edge thereby to swing out and down from closed to substantially horizontal open position flush with said landing deck where it serves as a landing platform, said panel having a transverse way formed therein, means to hold the door securely in closed position, and other means to hold it rigidly in horizontal position substantially flush with said interior deck, comprising an inboard way formed in said shell at the level of said deck and a rigid bar normally in said inboard way, said bar being normally disconnected from said platform but adapted to be shifted laterally partially outboard into locking engagement with the way of the platform, after the platform has swung down into horizontal position, thereby preventing up or down swinging thereof.

2,141,182
GOVERNOR FOR TUBE CLEANER MOTORS
Paul E. Good, Riverton, N. J.
Application June 5, 1937, Serial No. 146,673
7 Claims. (Cl. 121—34)



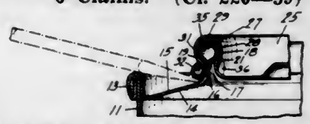
1. The combination with a high speed tube cleaner motor comprising a cylindrical casing of small diameter, means dividing the casing into supply and motor chambers having port communication with one another, a rotary motor in the motor chamber including a cylinder having a large supply port in communication with the supply chamber, a rotor shaft projecting into the supply chamber and an enlarged head on the shaft within the supply chamber, the supply chamber having an axial inlet port, of an annular means on said head having substantial sealing engagement with the peripheral wall of the inlet port and dividing said supply chamber into primary and secondary compartments of which the secondary compartment is in constant communication with the supply port of the motor chamber, said annular means having ports to place said compartments in communication with one another, said ports being arranged on an approximate diameter considerably in excess of the diameter of the shaft and having a combined maximum area at least as great as the supply port of the cylinder, and centrifugally controlled means carried by the head and first-named means for controlling the area of said ports.

2,141,183
SPOTTING BOARD
Robert F. Haggerty, United States Army, Watertown, Mass.
Application March 5, 1937, Serial No. 129,224
15 Claims. (Cl. 33—75)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



5. In a spotting board having a center line representing a gun target line, a clock dial movable along the center line, a set of range scales for successive range zones disposed along the center line and from which the range position of the clock dial is determined, means for orienting the clock dial, a gun arm movable transversely of the frame and describing an arc about a center that is off the board, means for adjusting the gun arm for each of the successive range zones, a chart movably mounted longitudinally of the gun arm and having a range correction scale and means for displacing the chart as it is moved longitudinally of the gun arm.

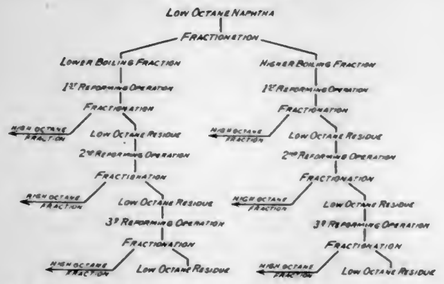
2,141,184
CONTAINER
John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application August 24, 1935, Serial No. 37,767
6 Claims. (Cl. 220—59)



1. A container having a wall terminating in an upstanding bead constituting oppositely disposed

continuous lateral shoulders overhanging said wall, and a cover adapted for sealing engagement with said container and formed with a marginal portion which provides a seat for said bead and which engages beneath both of said oppositely disposed lateral shoulders for holding the cover in position when container and cover are assembled.

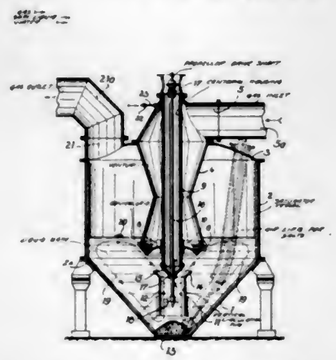
2,141,185
REFORMING OF NAPHTHA
Eugene J. Houdry, Philadelphia, Pa., assignor to Houdry Process Corporation, Dover, Del., a corporation of Delaware
Application April 27, 1935, Serial No. 18,600
6 Claims. (Cl. 196—52)



5. In the reforming of a naphtha fraction to improve its anti-knock characteristics, the process which comprises subjecting the naphtha in straight passes to a first reforming step at a temperature of about 875° F., fractionating the products of the first reforming step so as to obtain an overhead fraction of at least 70 octane rating C. F. R. M. M. and a first bottoms fraction, subjecting said first bottoms fraction to a second separate reforming step at a temperature of about 900° F., fractionating the products of said second reforming step so as to obtain an overhead fraction of at least 70 octane rating C. F. R. M. M. and a second bottoms fraction, passing said second bottoms fraction to a third reforming step wherein it is subjected to a temperature of about 925° F. and separating the products of said third reforming step into an overhead fraction of at least 70 octane rating C. F. R. M. M. and a lower octane bottoms fraction, each of said reforming steps being conducted under a suitable superatmospheric pressure of the order of approximately 75 lbs./sq. in. gauge and in the presence of catalytic masses, each comprising essentially blends of silica and alumina having a weight ratio of silica to alumina of at least approximately 4 to 1.

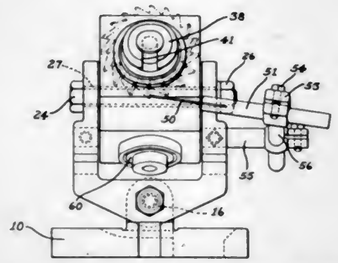
2,141,186
SATURATOR FOR THE MANUFACTURE OF COARSE-CRYSTALLINE SULPHATE OF AMMONIA
Heinrich Koppers, Essen, Germany
Application April 7, 1937, Serial No. 135,421
In Germany April 20, 1936
6 Claims. (Cl. 261—93)

1. A saturator apparatus for liquid baths comprising a vessel provided with a central gas inlet conduit extending downwardly into the vessel and terminating at its lower end in a gas outlet end adapted to be submerged below the surface of a liquid bath within the vessel, and with a lower submerged vertical circulation pipe located below the gas outlet end and open at its upper and lower end for vertical circulation of liquid of the bath from below through the same into the path of gas issuing from the submerged outlet of the gas inlet conduit; said gas outlet end comprising an outer annular grid of ports and an inner conical bottom closure for closing of the interior of the gas inlet conduit from ingress of liquid from the bath, the ports of the grid terminating in a downwardly and outwardly facing oblique plane and the bottom closure rising into the interior towards the center of the gas inlet conduit to form with the gas inlet conduit



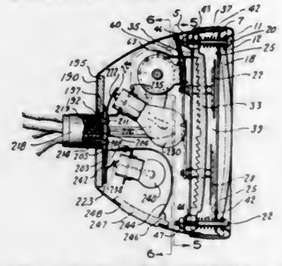
and the grid of ports a conical nozzle terminating in the grid of ports; and the upper open end of the lower vertical circulation pipe being flared upwardly and outwardly at an angle of inclination similar to the oblique plane of the grid ports and in the direction thereof to cause the circulating liquid to flow thereto and thence to the surface of the bath in a direction toward the periphery of the vessel.

2,141,187
GRINDING FIXTURE
Paul E. Lehman, Dayton, Ohio
Application November 8, 1935, Serial No. 48,805
6 Claims. (Cl. 51—225)



6. A device of the class described including a base member, an intermediate member pivoted thereto about an axis, means for limiting the movement of said intermediate member through an arc of less than 360°, said intermediate member including a pair of spaced apart supporting lugs, a tool carrying member carried by said intermediate member between said lugs and mounted for full rotary movement through an arc of 360° on an axis extending through said lugs, said last named axis being substantially at right angles to the first mentioned axis and said axes lying in substantially parallel planes, said tool carrying member including a central body portion and two leg portions extending laterally and at right angles to each other on either side of said central body portion.

2,141,188
SIGNALING SYSTEM
Samuel F. Arbuckle, Guy H. Coulter, and Charles E. Godley, Highland Park, Mich., assignors to United Lens Corporation, Detroit, Mich., a corporation of Delaware
Application August 18, 1934, Serial No. 740,400
5 Claims. (Cl. 177—327)



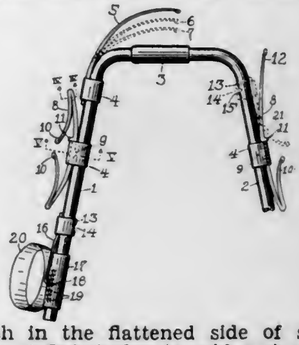
1. A signaling device for vehicles including a casing having an opening therein; means for closing said opening including a colored lens member; light obstructing means located in front of said colored lens member covering portions thereof; means to move said light obstructing means to selective positions; supporting means carried by the wall of said casing; a translucent member in said casing having a color characteristic different from that of said colored lens member carried by said supporting means rearwardly of said colored lens member; a light bulb carried by said supporting means and located rearwardly of said translucent and colored lens members; and means for energizing said light bulb whereby colored light is emitted through the visible lens area defined by the light obstructing means located in front of the colored lens, the colored light so emitted having a composite color characteristic produced by said lens and translucent members.

2,141,189
BLEACHING AND CLEANSING COMPOSITIONS
Otto Lind, Dusseldorf, Germany, assignor to Henkel & Cie. G. m. b. H., Dusseldorf-Holthausen, Germany, a corporation of Germany
No Drawing. Application December 17, 1934, Serial No. 757,891. In Germany December 21, 1933
9 Claims. (Cl. 8—2)

4. A composition of matter for bleaching and cleansing purposes composed of 8 to 21 parts of a per compound capable of liberating oxygen when in aqueous solution, 10 to 37 parts of a water soluble salt of a phosphoric acid having a fewer number of chemically combined water molecules than orthophosphoric acid, 6 to 45 parts of a water soluble alkaline detergent, and 1 to 4 parts of a preformed difficultly soluble, colorless silicate of a metal of the group consisting of those in Group II and Group IV of the periodic system and having an atomic weight of from 20 to 140, said silicate being present in a sufficient quantity to stabilize the per compound all parts by weight.

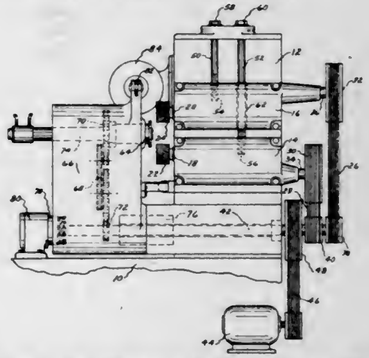
2,141,190
DENTAL APPLIANCE
John Alfred Linde, Brooklyn, N. Y.
Application October 5, 1935, Serial No. 43,725
In Germany April 5, 1935
6 Claims. (Cl. 32—14)

2. A dental appliance including the combination, with a wire member forming part of a frame, there being a flattened side upon the same and a depression in the form of a notch in said flattened side, of an actuating device including an elongated spring of non-circular cross section having a portion of the same held against the flattened side of said wire member, a projection upon said spring extending into



said notch in the flattened side of said wire member to definitely locate said spring in position on said wire, and a clamping ring surrounding both said wire member and said spring and frictionally retaining the two in assembled relation with the projection upon the spring located in the notch upon said wire.

2,141,191
MILLING MACHINE
Nels S. Lundberg and Charles B. De Vlieg, Jackson, Mich., assignors, by mesne assignments, to The Bullard Company, Bridgeport, Conn.
Application October 26, 1935, Serial No. 46,878
10 Claims. (Cl. 90—20)

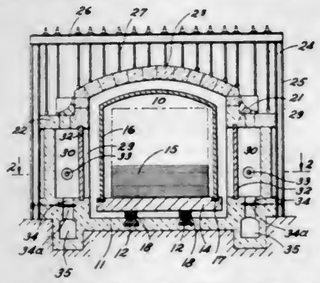


1. In a machine tool, a pair of tool carriages supported in vertical spaced relation, milling cutters supported in said carriages in spaced opposed relationship, an oscillatable member, a work holder carried by said member for presenting work to and between said cutters, and means for swinging said member toward said cutters to feed the work into the same.

2,141,192
APPARATUS FOR ANNEALING
William N. McCutcheon, Thornburg, Pa.
Application January 2, 1937, Serial No. 118,738
3 Claims. (Cl. 266—5)

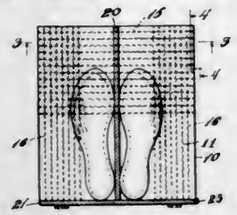
1. A muffle type furnace, for heating stacked sheet metal, having vertical end and side walls and a roof defining a heating chamber, the side walls having recesses opening into the heating

chamber along the lower middle portion of said walls, said recesses stopping short of the ends and tops of the side walls, heat radiating means



closing the heating chamber side of said recesses, and means for conducting heat to said radiating means.

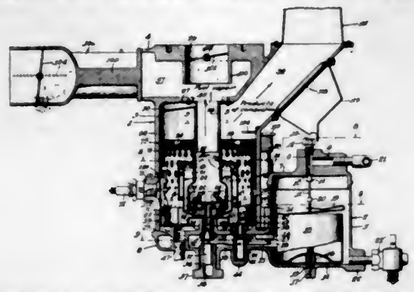
2,141,193
SHOE FITTING APPARATUS
Howard V. S. Mott, Cranston, R. I.
Application February 6, 1937, Serial No. 124,419
15 Claims. (Cl. 250—59)



1. In a shoe fitting and foot measuring apparatus, the combination with a source of X-rays and a fluorescent screen, of a support for a foot interposed between said X-ray source and the fluorescent screen, said support having a suitable foot receiving surface adapted for a person to stand on and permeable to X-rays, and means opaque to X-rays between said screen and said source of X-rays, said means being of such a character as to provide a plurality of spaced dense linear areas in the path of the rays and being so arranged that the shadows cast thereby on the fluorescent screen will form intersecting rows of shadow lines the spacings between which correspond with the usual length and width distances of recognized standards of foot and shoe measurements whereby the extreme lateral and longitudinal dimensions of the foot to and including the outer limits of the superficial tissue surrounding the foot structure at these locations may be located and measured for determining correct shoe fitting.

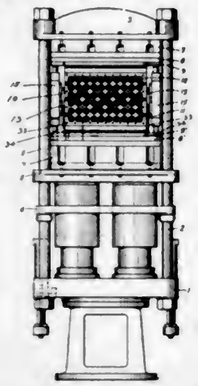
2,141,194
HEAVY LIQUID FUEL CARBURETOR
Charles J. Mundhenk, Elgin, Ill.
Application April 22, 1932, Serial No. 606,991
Renewed March 5, 1938
7 Claims. (Cl. 48—107)

3. A carburetor comprising a primary generating chamber in which fuel is burned with a restricted amount of air to produce a fuel vapor, means through which the fuel vapor is adapted to be drawn off, said means defining a space constituting a secondary generating chamber, a partially perforated mantle in a covering position over said space the perforations admitting fresh air to the vapor in said space so as to produce an intensely hot blowtorch flame in said secondary



generating chamber, and means to supply the innermost part of said secondary chamber with fuel vapor.

2,141,195
MOLDING MACHINE FOR PLASTICS
Frederick A. Novak, Elyria, and Harry B. Harn, Dayton, Ohio, assignors, by mesne assignments, to Molding Service, Inc., Dayton, Ohio, a corporation of Ohio
Application March 1, 1935, Serial No. 8,882
13 Claims. (Cl. 18—17)

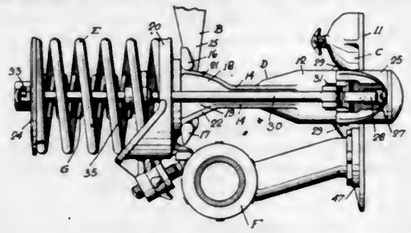


1. In a molding press for plastics, a main frame, a stationary platen, and a relatively movable platen, mold plates carried by the respective platens, a rotary polygonal drum interposed between the platens and bodily movable toward and from the stationary platen, mold plates complementary to those carried by the platens mounted thereon, the mold plates on opposite sides of the drum being brought to cooperative relation with the first mentioned mold plates by successive partial rotations of the drum, and means for actuating the drum through a partial rotation under control of and in timed relation with the movement of the movable platen.

2,141,196
AUTOMATIC TRAIN PIPE CONNECTER
Joseph Robinson, New York, N. Y., assignor of one-half to Roy M. Wolvin
Application August 29, 1934, Serial No. 741,987
Renewed August 16, 1937
10 Claims. (Cl. 285—58)

1. In an automatic train pipe connecter, the combination of a supporting bracket, a coupling head in front of said bracket, a member extending from the head rearwardly past the

bracket, a spring at the rear of said bracket for urging said coupling head forward, and a lock for locking the coupling head to a mating head, said lock including a pawl carried by said coupling head, a rod extending rearwardly through



said spring and adapted to rotate said pawl into and out of the service position, the rear portion of said rod being disposed within said spring, and a second spring lying within said first mentioned spring for actuating said pawl.

2,141,197
COLOR-STABLE OIL-MODIFIED RESIN AND PROCESS OF MAKING SAME
John B. Rust, Orange, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application November 27, 1935, Serial No. 51,888. Renewed March 1, 1937
13 Claims. (Cl. 260—2)

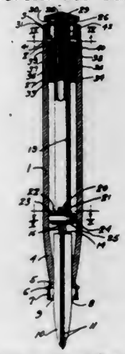
1. A substantially film- and drier-color-stable varnish composition comprising the reaction product of a phenolic-acetaldehyde-oxalic acid resin and drying oil, formed at 90°–150° C. in the presence of oxalic acid.

2,141,198
LIGHT - COLORED HIGH - MELTING - POINT RESIN ADAPTED FOR VARNISH MAKING AND PROCESS OF MAKING SAME AND COATING COMPOSITIONS THEREFROM
John B. Rust, Orange, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application March 5, 1936, Serial No. 67,302
20 Claims. (Cl. 260—4)

1. A process of making phenolic-acetaldehyde resin comprising reacting cresol with acetaldehyde in the presence of oxalic acid and an inherently color-forming strong acid catalyst until a substantially dark-colored resin is formed, heating said dark-colored resin above 180° C. until a substantially light-colored resin results, said light-colored resin being characterized by its ability to become infusible when baked in a thin film at 170° C.

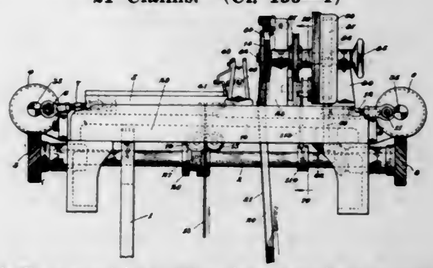
2,141,199
PLUNGER TYPE FOUNTAIN PEN
Solomon M. Sager, Hubbard Woods, Ill.
Application June 18, 1937, Serial No. 148,824
39 Claims. (Cl. 120—47)

1. A plunger type fountain pen comprising a barrel, a feed bar and pen point engaged in one end of the barrel, an ink intake and feed tube secured in the inner end of the feed bar and projecting into the barrel, a packing unit in the opposite end of the barrel, an ink filling and discharge plunger mechanism slidably mounted in the barrel and projecting through the packing unit for telescoping engagement over the ink tube, and a shutoff valve in the plunger mechanism for said ink tube, said ink tube having ink feed passages therein for feeding ink from the



interior of the plunger mechanism to the feed bar and pen point.

2,141,200
MACHINE FOR MAKING FASTENER STRINGERS
Gideon Sundback, Meadville, Pa., assignor to Talon, Inc., a corporation of Pennsylvania
Application September 3, 1935, Serial No. 38,944
Renewed January 20, 1938
21 Claims. (Cl. 153—1)



1. In a machine of the class described, a cutting tool for cutting fastener member blanks, a forming punch and forming die for die forming the fastener member blanks, said cutting tool being movable from cutting position to a position directly opposite the forming die, said forming punch being movable to eject said blanks from said cutting tool and move them into said forming die.

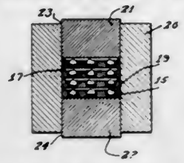
2,141,201
ALLOY
Jeno Tausz, Petrolia, Pa., assignor to L. Sonneborn Sons, Inc., a corporation of Delaware
No Drawing. Application May 20, 1936, Serial No. 80,788
5 Claims. (Cl. 308—242)

1. A composite bearing comprising a bearing base consisting of an alloy containing at least 95% cadmium and 0.5 to 5% silver, and a thin bearing working surface layer carried by said bearing base and consisting of an alloy containing substantially the same proportion of cadmium, and silver and a small amount of tin.

2,141,202
METHOD OF MAKING A DIAMOND TOOL
Harry W. Wallace, Highland Park, Mich., assignor to Wheel Trueing Tool Company of Delaware, Detroit, Mich., a corporation of Delaware
Application October 17, 1936, Serial No. 106,127
4 Claims. (Cl. 76—101)

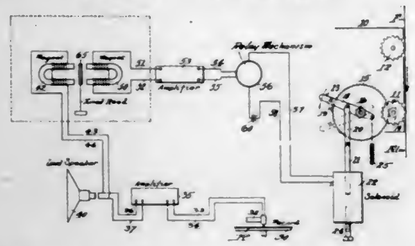
1. The method of making diamond tools which comprises positioning diamonds in preformed re-

cesses in a plurality of peripherally flanged metal disks, assembling a pile of such disks between end members within a confining collar, subjecting said disks to axially applied pressure to establish good electrical contact therebetween and apply-



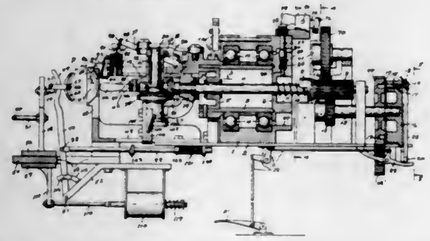
ing sufficient electrical current to said disks to soften the metal thereof and particularly the metal of the flanges of said disks while simultaneously applying pressure thereto to cause said softened metal to flow around and enclose said diamonds.

2,141,203
CONTROL AND OPERATING MECHANISM FOR SLIDE FILM PROJECTORS
Ernest J. Abbott, Ann Arbor, Mich., assignor of one-half to William E. De Voe and Edwin W. De Voe, both of Detroit, Mich.
Application August 5, 1936, Serial No. 94,486
3 Claims. (Cl. 179—100.3)



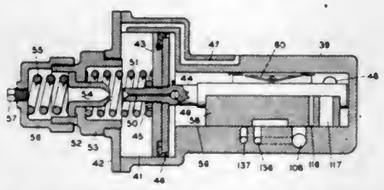
1. Control and operating mechanism for a slide film projector comprising a sound reproducing apparatus, an electric circuit therefor, feeding means for the film, an electromagnetic device to operate said feeding means, a relay controlling said device, an electro-magnet controlling said relay, a second electro-magnet connected to the sound reproducing circuit, and a vibration tuning element interposed between said two last-named electro-magnets, said tuning element being responsive only to a substantially inaudible note produced by said apparatus.

2,141,204
FRUIT PITTING AND CUTTING MACHINE
Frank Chekian, Modesto, Calif.
Application December 18, 1936, Serial No. 116,526
11 Claims. (Cl. 146—28)



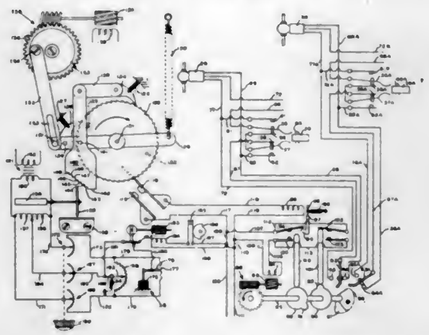
1. The method of pitting and having peaches that comprises the steps of firmly supporting a whole peach in a fixed position with the stem-end thereof exposed, cutting the pit free from the meat of the peach through the stem-end thereof only, withdrawing the pit from the peach through the stem-end thereof and cutting the peach in half from the end opposite the stem-end toward the stem-end thereof while the pit is being withdrawn through the stem-end, releasing the peach from said fixed position after the peach is cut in half.

2,141,205
AIR BRAKE SYSTEM
Quinten E. Conner, San Francisco, Calif.
Application December 9, 1936, Serial No. 115,022
14 Claims. (Cl. 303—60)



1. An air brake system including a brake pipe; a distributing valve having a pressure chamber; means controlled by the pressure in said brake pipe for providing communication between said brake pipe and said pressure chamber; a valve for charging said brake pipe; means controlled by the pressure in said pressure chamber for opening said charging valve; manually controlled means for reducing the pressure in said brake pipe and for rendering said charging valve control means inoperative.

2,141,206
CONTROL SYSTEM FOR CIRCULATING FLUIDS
Lewis L. Cunningham, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application November 18, 1933, Serial No. 698,639
7 Claims. (Cl. 236—91)



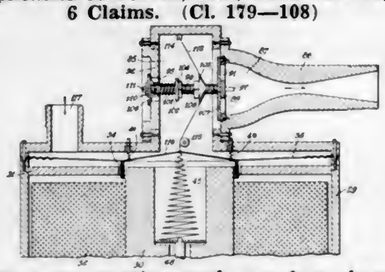
2. In a heating system, in combination, a plurality of spaces to be heated, a plurality of radiators, at least one for each space, a single valve in control of the flow of fluid to said radiators, means for opening said valve for recurring equal periods and for closing the same for intervals of varying duration, said means including an outdoor temperature responsive thermostat and means controlled by the average of the temperatures of all of said spaces.

2,141,207
SIGN
George D. Duntze, St. Louis, Mo., assignor of one-half to Herman C. Stoffregen, St. Louis, Mo.
Application April 30, 1936, Serial No. 77,089
7 Claims. (Cl. 40—133)



1. A sign adapted to be used upon a truck or other moving body comprising a casing having an outwardly bevelled legend cut through a face thereof, gas tubing within the casing, certain portions of which extend into and fully define the legend, the remaining portions of said tubing comprising return bends and connecting segments, and means holding the tubing including the legend defining portions, the return bends, and the connecting segments, immovably in place against the supporting face in jar-proof relation thereto to obviate breakage due to road-shocks transmitted to the casing.

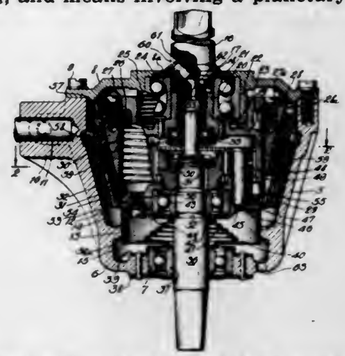
2,141,208
PNEUMATIC SOUND REPRODUCER
William C. Eaves, New York, N. Y., assignor of one-third to Carl H. Fowler, New York, N. Y.
Application March 31, 1934, Serial No. 718,326
6 Claims. (Cl. 179—108)



4. In a pneumatic sound reproducer having a horn and an apertured grid through which all of the fluid entering the horn must pass, and a chamber for elastic fluid under pressure, means for controlling the passage of fluid through said grid so as to produce sound comprising a valve and a member carrying said valve and moving with it, and means also associated with said member upon which the fluid pressure in the chamber is exerted in a direction opposite to the pressure on the valve to counteract the tendency of the pressure to close the valve, any escape of fluid from the chamber permitted by the last-mentioned means being elsewhere than through the horn.

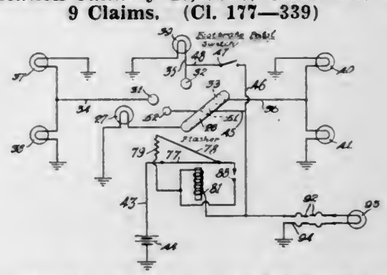
2,141,209
TAPPING ATTACHMENT
George W. Emrick, Brooklyn, N. Y.
Application August 12, 1937, Serial No. 158,730
15 Claims. (Cl. 74—298)

1. A tapping attachment comprising a cup-shaped casing open at the top substantially to the extent of the entire diameter of the casing, a cover for closing the open end of the casing, a forward drive friction clutch and reverse drive brake mechanism arranged in said casing and within the cover therefor, said mechanism comprising a forward drive cone, a conical brake seat formed in the bore of said casing, a conical clutch and brake sleeve disposed between said cone and seat, and drive spindle directly coupled with said forward drive cone and a driven shaft rotatably supported by anti-frictional bearings at spaced intervals in said drive spindle, clutch sleeve and casing, and means involving a planetary gearing



arranged within the forward drive cone and said clutch sleeve for producing forward and reverse drives of the driven shaft by said drive spindle.

2,141,210
AUTOMOBILE SIGNAL DEVICE
Albert Foulks, Mount Holly, N. J.
Application January 17, 1936, Serial No. 59,529
9 Claims. (Cl. 177—339)

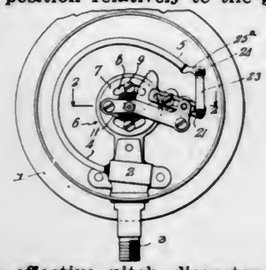


3. In an automobile lighting system, a lamp on the automobile visible from outside the automobile, a pilot lamp visible to the driver, a flasher including a shunt and a resistance which by its temperature causes opening and closing of the shunt and so determines the rate of flashing, means for connecting the lamp visible from the outside and so determines the rate of flashing, means ing said parallel connected lamps in series with the flasher resistance, and a source of current for lighting the lamps and operating the flasher in series with the flasher and with said parallel connected lamps, whereby change in flashing rate of the flasher indicates malfunctioning of the system.

2,141,211
GAUGE
Frank H. Hopkins, Bridgeport, Conn., assignor, by mesne assignments, to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey
Application May 10, 1937, Serial No. 141,630
21 Claims. (Cl. 73—109)

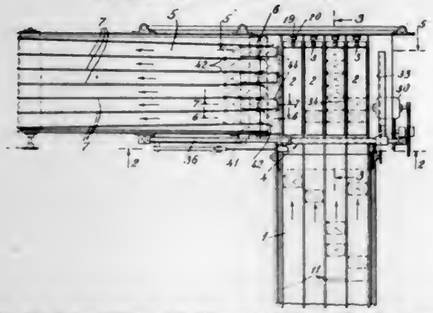
21. In a gauge of the Bourdon tube type having a gauge movement including an index staff provided with a pinion, and a sector lever having a sector gear which meshes with the pinion, characterized in that that arm of the lever which carries the segment gear has an arcuate slot, coaxial with the lever, disposed between the pitch circle of the gear and the axis of the lever, the tail portion of the lever being movable angularly about the axis of the lever as a center, and a

bolt which passes through said arcuate slot and into the tail portion for holding the latter in adjusted position relatively to the gear-carrying



arm, the effective pitch diameter of the gear being adjustable by relative movement of the end walls of said arcuate slot.

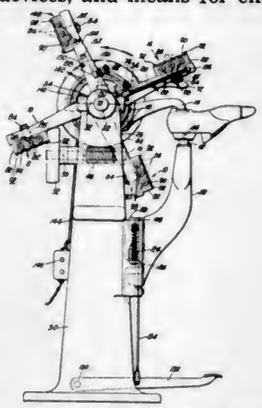
2,141,212
PACKAGE COLLECTOR
Wallace D. Kimball, Jackson Heights, and Cornelius I. Braren, Jamaica, N. Y., assignors to Standard-Knapp Corporation, Long Island City, N. Y., a corporation of New York
Application February 18, 1938, Serial No. 191,196
17 Claims. (Cl. 198—30)



1. In a machine of the class described, a supply conveyor for carrying articles in a plurality of lines in indeterminate spacing in each line, a receiving conveyor at right angles thereto and having its receiving end at a higher elevation than the adjacent end of the supply conveyor, a plurality of elevating devices arranged in alinement respectively with the lines of articles advanced by the supply conveyor, each of said devices being adapted to receive a single row of articles, said devices each having two superposed platforms, one normally at the level of said supply conveyor and the other normally at the level of said receiving conveyor, means under the control of the articles advanced onto each lower platform of said elevating devices for raising said lower platform to the elevation of said receiving conveyor, an arm adapted to move crosswise of said elevating devices to sweep the articles thereon onto said receiving conveyor, and means for actuating said arm in timed relation to the raising of said elevating devices.

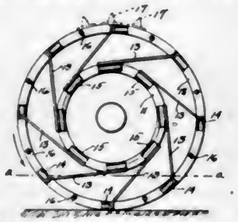
2,141,213
METHOD AND MEANS FOR SHAPING SHOE UPPER MATERIALS TO THE CONTOUR OF A LAST
Euclid I. La Chapelle, Brockton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application February 21, 1938, Serial No. 191,632
20 Claims. (Cl. 12—7)

6. In a machine for operating on shoes, the combination with means for supporting a last and shoe having its heel end unlasted, of a plurality of wiping devices, and means for effecting rela-



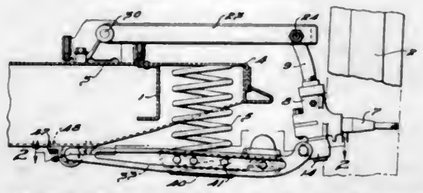
tive movement of said wiping devices and the shoe to wipe the upper at the opposite sides of the heel end of the last repeatedly heightwise of the last toward its bottom face.

2,141,214
TRACTION WHEEL ATTACHMENT
John F. Langer, Faribault, Minn.
Application January 9, 1937, Serial No. 119,808
6 Claims. (Cl. 301—38)



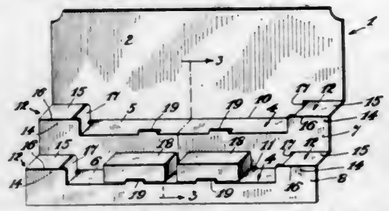
1. An auxiliary traction device for traction wheels comprising concentric inner and outer rings and circumferentially spaced traction plates secured at their outer ends to said outer ring and at their inner ends to the inner ring and extended substantially tangentially to said inner ring.

2,141,215
INDEPENDENT WHEEL SUSPENSION
John W. Leighton, Port Huron, Mich.
Application August 17, 1936, Serial No. 96,422
4 Claims. (Cl. 267—20)



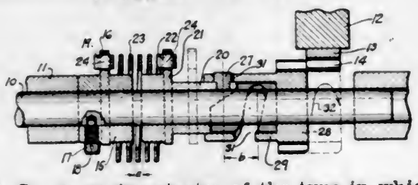
1. A link for an independent wheel suspension, said link having three portions fixedly secured together and defining the three sides of a generally triangularly shaped structure, two of said side portions being formed by means of an integral bar bent intermediate its ends, a pair of spaced journals on one of said last-mentioned side portions for pivotally connecting said link to a vehicle frame, and means at the apex opposite said one side portion for pivotally securing said link to a king pin assembly.

2,141,216
DISPLAY DEVICE
Ralph J. Mancuso, Brooklyn, N. Y., assignor to Royal Mounters, Inc., Long Island City, N. Y., a corporation of New York
Application October 21, 1937, Serial No. 170,257
8 Claims. (Cl. 40—124.1)



1. In a device of the class described, the combination of a foldable display member having a downwardly depending portion at the back thereof, and an easel member operatively hinged to said foldable member and freely movable with respect thereto, said easel member having a notch therein for receiving said downwardly depending portion and having an upwardly extending portion adjacent the back side of said notch adapted to engage the back of said depending portion and automatically guide said depending portion into said notch while said foldable member is being folded into display position.

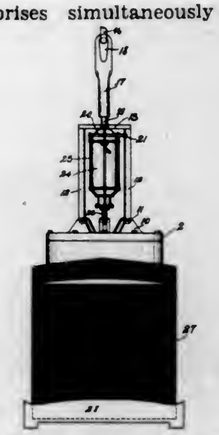
2,141,217
ENGINE STARTER
Herbert L. Meeder, Denver, Colo.
Application February 21, 1938, Serial No. 191,652
5 Claims. (Cl. 74—9)



1. In an engine starter of the type in which a ring gear engaging pinion is connected with a power shaft by means of a sleeve attached to the shaft by a helical spring, the pinion and sleeve being interconnected by means comprising a helical slot, which is closed at its inner end, in one and a cooperating pin in the other, which produces relative longitudinal movement of the pinion and the sleeve whenever they rotate relative to each other, the sleeve being mounted for longitudinal movement on the shaft, in a direction to change the length of the spring, which movement in a direction to compress the spring is at least as great as the normal overlap of the teeth on the ring gear and the pinion.

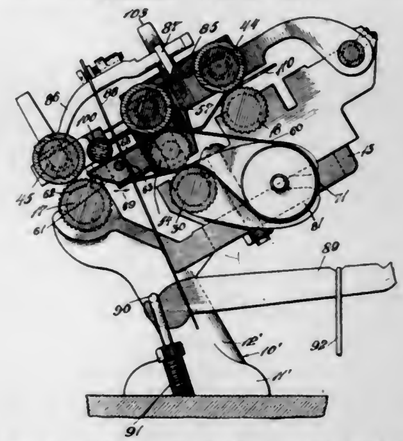
2,141,218
METHOD OF AND APPARATUS FOR OPENING METAL SHEETS
Peter J. Murray, Toronto, Ohio, and Erwin E. Bowen, Follansbee, W. Va.
Application January 4, 1936, Serial No. 57,462
20 Claims. (Cl. 29—17)

1. The method of opening piles of tin plate which comprises simultaneously magnetically



bending and hammering the top portions of the pile.

2,141,219
DRAFTING MECHANISM
Edward L. Martin, Providence, and John Frederick Jackson, Pawtucket, R. I., assignors to H & B American Machine Company, a corporation of Maine
Application May 11, 1936, Serial No. 79,059
7 Claims. (Cl. 19—131)

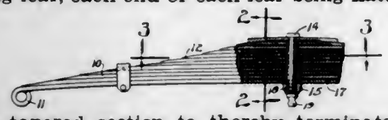


7. In a drawing mechanism, upper and lower drafting elements, each of said elements comprising a relatively short removable roll member, an endless belt having within its complete loop said lower drafting element, and a movable guide member for guiding the forward loop of said belt, said guide being supported at one end only and hinged to swing upwardly for ease in positioning the belt when in endless form.

2,141,220
SPRING CONSTRUCTION
Niels H. F. Olsen, Dearborn, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application February 10, 1936, Serial No. 63,121
1 Claim. (Cl. 267—50)

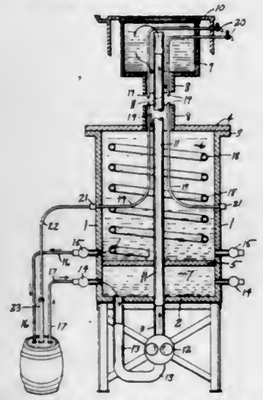
A spring construction comprising, a plurality of leaves each of which is formed from rolled strip stock, said leaves comprising a main leaf

which extends the length of said spring with leaves of gradually reduced length clamped to the compression side of said main leaf, each intermediate leaf having a channel extending lengthwise therealong in each side thereof which channels are substantially one-third the width of the spring leaf, each end of each leaf being flattened



to a tapered section to thereby terminate the channels in both sides of each leaf, the ends of each leaf extending over the initial portions of the tapered ends of the adjacent longer leaf to form a closure for the ends of said channels, and means for simultaneously conducting lubricant to the center portions of said channels.

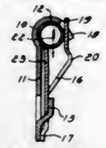
2,141,221
BEER DRAWING AND COOLING SYSTEM
John Panagopoulos, Youngstown, Ohio
Application October 14, 1937, Serial No. 168,923
4 Claims. (Cl. 225—1)



1. In a beer drawing and cooling system comprising a cooling tank positioned underneath a bar and a body member having a partition therein, said partition designed to form upper and lower compartments for retaining a cooling agent, a refrigeration coil positioned in one of said compartments, a plurality of taps from said compartments adapted to provide channels to and from a plurality of beer kegs for a cooling agent, a top on said body member, a main tube in communication with the upper compartment and the cooling tank, a secondary tube positioned through the said compartments and extending upwardly through the said main tube into the said cooling tank, pump means for circulating the cooling agent through the said tubes, cooling tank, and compartments, a plurality of pipes leading from the said beer kegs through the said upper compartment, main tube, and cooling tank to a spigot on the bar.

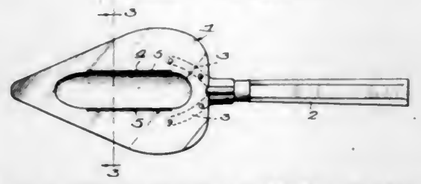
2,141,222
FASTENER
William F. Pioch, Detroit, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application October 6, 1938, Serial No. 233,627
3 Claims. (Cl. 24—255)

1. A fastener device especially adapted to hold a tube in position comprising, a relatively flat sheet metal base, one end of which is bent around to form a pocket into which the tube may be radially inserted, the opposite end of said base having a tongue extending toward said pocket in position spaced from said base, and a retaining clip formed of resilient sheet metal, said clip having one end notched so that it may straddle said



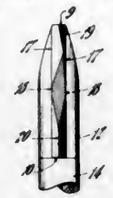
tongue with the adjacent portion of the clip disposed beneath said tongue and having means projecting from the other end which coact with said base so that when the notched end of the clip is inserted under said tongue, said means will urge said tube into said pocket and resiliently retain said tube therein.

2,141,223
CULINARY UTENSIL
Conrad Pistorius, Chicago, Ill.
Application January 22, 1937, Serial No. 121,771
3 Claims. (Cl. 294—7)



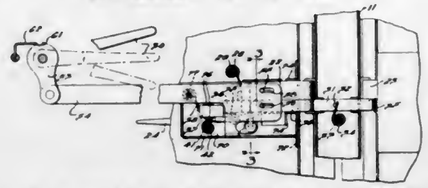
1. In a culinary utensil, a blade therefor formed of flexible metal having a longitudinally arranged depression permitting the blade to bend freely in an upward direction to be readily inserted under an article and follow the contour of a pan, plate or other cooking or baking receptacle, and to resist bending in a downward direction to permit separating and lifting the article from the receptacle, and a slot extending along the opposite sides of the depression for preventing buckling of the blade when bent in an upward direction.

2,141,224
PRUNING TOOL
Joseph Harry Rich, Amherst, Mass.
Application February 17, 1937, Serial No. 126,208
11 Claims. (Cl. 30—314)



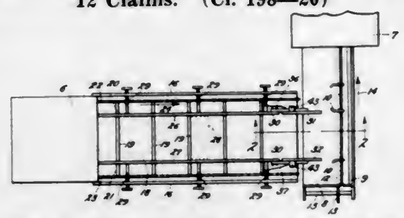
1. As an article of manufacture, a pruning tool comprising a substantially rectangular flat blade having its top and bottom edges ground to form upper and lower arcuate concave cutting edges, the axes of said cutting edges lying in a plane parallel to and between the side faces of said blade, the ends of said cutting edges being spaced from the side edges of said blade to provide blunt, flat nose portions at the terminations of said cutting edges.

2,141,225
DOOR LOCK
Peter F. Rossmann, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application December 5, 1936, Serial No. 114,383
14 Claims. (Cl. 70—264)



1. In a vehicle body having a pair of hinged doors and an intermediate pillar, a locking device comprising a locking bolt slidably mounted in the pillar and operable to lock a first door, a spring arranged to move said bolt out of door locking relation, slidable actuator mechanism on the second door for moving the bolt into locked position including a pair of aligned members and a spring urging the remote member toward bolt locking position, said last mentioned spring exerting a greater force than the first mentioned spring, a trigger engaging the actuator member remote from the bolt for holding it in ineffective position, means extending to the exterior side of the second door for tripping said trigger and allowing said actuator mechanism to shoot said bolt into locking position, and means operable from the exterior side of said door for resetting said actuator mechanism into ineffective position.

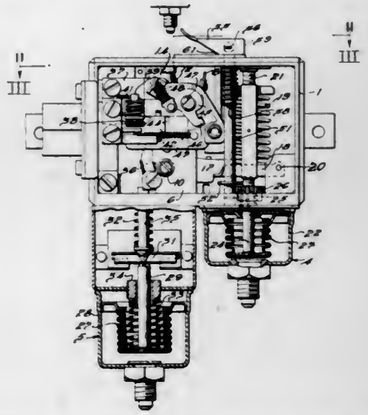
2,141,226
BAKERY MACHINERY
Bertrand Rubel and Clarence Leab, Cincinnati, Ohio; said Leab assignor to said Rubel
Application September 9, 1936, Serial No. 99,992
12 Claims. (Cl. 198—20)



8. The combination with a pair of angularly disposed conveyors of means for conveying an assembly of objects in assembled form, and including a transfer means comprising spaced movable pressure plates arranged to embrace the ends of the assembly of objects and to hold the constituents thereof in assembled condition while transferring the same from one conveyor to the other, said transfer means being equipped with a snap action return mechanism whereby to release the assembled objects as a unit from the transfer means.

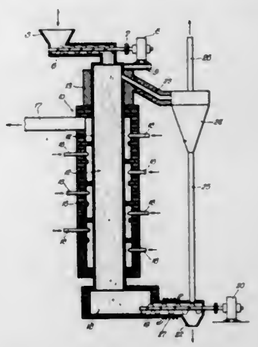
2,141,227
ELECTRIC SWITCH
Carl A. Schaefer, Detroit, Mich., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Application September 18, 1936, Serial No. 101,367
8 Claims. (Cl. 200—83)

1. An electric switch comprising stationary and movable contacts, means including a fluid pressure responsive element for normally moving said movable contact to engaged and disengaged position in response to an exterior condition, protective means for moving said movable contact to disengaged position in response to an abnormal



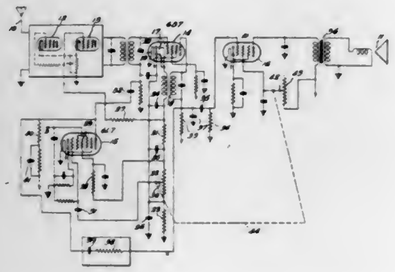
condition, and means for moving said movable contact to engaged position at will irrespective of said first condition but without disabling the action of said protective means in moving the movable contact to disengaged position in response to the abnormal condition.

2,141,228
METHOD OF CONVERTING A SULPHITE INTO AN OXIDE AND SULPHUR DIOXIDE
Alamjit D. Singh, Urbana, Ill., assignor, by mesne assignments, to Commonwealth Edison Company, Chicago, Ill., a corporation of Illinois
Application June 14, 1937, Serial No. 148,074
16 Claims. (Cl. 23—148)



1. A method of converting a sulphite into an oxide and sulphur dioxide which comprises introducing the sulphite in subdivided form into the top of a vertical chamber having walls suitable for radiating heat at such a rate as to effect substantially complete decomposition thereof, withdrawing the major portion of the hot oxide from the bottom of the chamber, withdrawing the remainder of said oxide and the sulphur dioxide gas adjacent the top of the chamber, separating said gas from said portion of oxide, and combining the portions of withdrawn oxides.

2,141,229
REDUCTION OF NOISE
Rogers M. Smith, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 30, 1936, Serial No. 103,398
6 Claims. (Cl. 250—20)



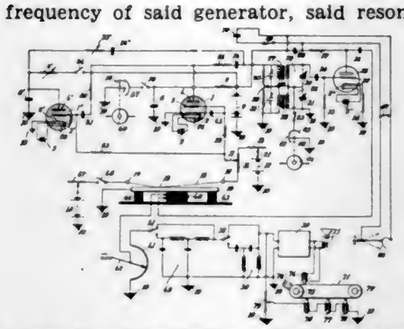
1. A signal channel including serially connected amplifier tubes, means for controlling the gain of the first of said amplifier tubes, means for adjusting a bias potential of the second of said amplifier tubes to control the saturation thereof, means for simultaneously operating said controlling and adjusting means to maintain said bias potential at a value such that relatively large amplitude noise impulses are limited by saturation of the second tube to the level of the signal impulses, and additional means for regulating the gain of the first of said amplifier tubes in accordance with variations in signal strength.

2,141,230
ASPHALT EMULSION
William J. Sweeney and Kenneth C. Laughlin, Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application February 27, 1936, Serial No. 66,056
4 Claims. (Cl. 134—1)

3. An aqueous asphalt emulsion containing over 50% of asphalt and sufficient caustic soda to react with the saponifiable constituents naturally present in the asphalt, said asphalt present in the emulsion being composed of a blend of at least 20% propane precipitated asphalt obtained from a reduced asphalt-containing petroleum crude oil that had not been subjected to a temperature higher than 400° F. and a straight high temperature asphalt.

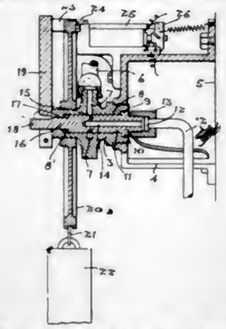
2,141,231
ELECTRICAL MUSICAL INSTRUMENT
Friedrich Trautwein, Berlin-Zehlendorf, Germany
Application March 28, 1936, Serial No. 71,397
In Germany March 24, 1930
17 Claims. (Cl. 84—1)

1. In an electrical musical instrument, a resonator capable of generating damped electrical oscillations of a frequency in audible range, a generator producing undamped electrical oscillations of a frequency in audible range, means for exciting said resonator in regular sequence by said generator to produce successive trains of damped natural oscillations of said resonator at the frequency of said generator, said resonator



being capable of oscillating within an extended band of frequencies.

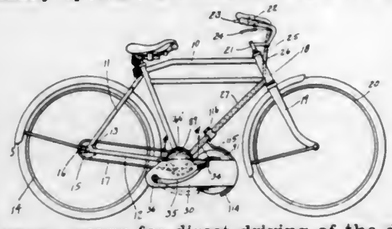
2,141,232
FIRE EXTINGUISHING EQUIPMENT
Richard Edgar Wallace and Albert C. F. West, Toronto, Ontario, Canada, assignors to The Toronto Star Limited, Toronto, Ontario, Canada
Application May 21, 1937, Serial No. 144,000
14 Claims. (Cl. 169—11)



11. In a fire extinguishing equipment including a high pressure fluid container and a tubular valve member arranged to close the container outlet and being weakened intermediate of its length to permit transverse fracture thereof to release the fluid from the cylinder, the combination of a valve body enclosing said valve and forming a fluid-receiving chamber thereabout and having a portion on one side of the weakened zone for anchoring and sealing co-operation with the inner end of the tubular valve, the portion of the valve body on the other side of the said zone being bored to concentrically and rotatably guide the outer end of the tubular valve relative to the said inner end within said valve body, said outer end of the valve having an operating extension projecting beyond the casing, and means co-operating with said operating extension to apply a tortional stress thereto to detach the outer end of the valve at the weakened zone, and means for limiting axial displacement of the detached outer end of the valve under the propelling action of the released high pressure fluid, said valve body having a discharge passage leading from the fluid-receiving chamber adapted for connection to a conduit system.

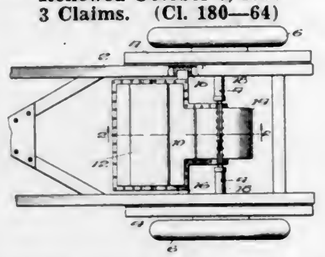
2,141,233
MANUALLY PROPELLED INERTIA VEHICLE
Corwin S. Alexander, Indianapolis, Ind.
Application February 25, 1935, Serial No. 8,017
13 Claims. (Cl. 280—217)

1. In a manually propelled vehicle of the bicycle type including a plurality of wheels, one of which is driven, the combination of a rotatable inertia member having a fixed axis of rotation, manually operable oscillatable means for rotat-



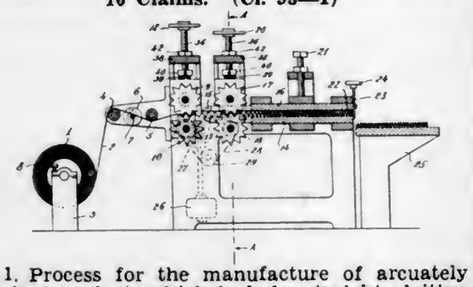
ing same, means for direct driving of the driven wheel by the inertia member, and manually operable control means selectively associated with the driving means for the purpose set forth.

2,141,234
POWER TRANSMISSION
Charles J. Anderson, Jr., Jamestown, N. Y.
Application April 2, 1934, Serial No. 718,723
Renewed October 7, 1937
3 Claims. (Cl. 180—64)



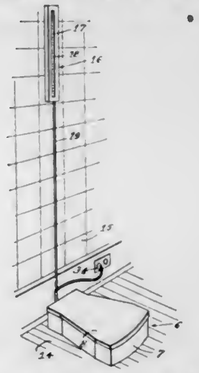
1. In a motor vehicle, a pair of traction wheels, a main frame supported by said wheels, a torsionally-flexible rotary drive-shaft for each of said wheels, power means for variably imparting rapid, intermittent torque impulses alternately to one and the other of said torsionally-flexible drive-shafts, a casing for said power means, said drive-shafts being journaled on said casing for rotation on a common axis, and means for oscillably mounting said casing upon said main frame, said mounting means being disposed upon an axis of oscillatory movement parallel to the axis of rotation of said torsionally-flexible drive shafts and passing through the center of gravity of said casing and its supported power-imparting means.

2,141,235
PROCESS AND APPARATUS FOR MAKING ARCUATELY PLAITED PRODUCTS
Joseph M. Angeletti, Alexandria, Ind., assignor to Aladdin Industries, Incorporated, Chicago, Ill., a corporation of Illinois
Application August 20, 1935, Serial No. 36,982
10 Claims. (Cl. 93—1)



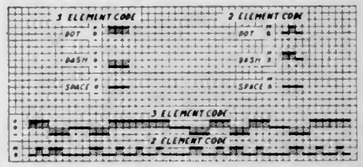
1. Process for the manufacture of arcuately plaited products which includes straight-plaiting a selected material, dividing the material into blanks containing a desired number of plaits, gathering and compressing said blanks, applying edgewise pressure to said blanks while compressed to arcuate said plaits, expanding the arcuately plaited blanks and forming them into said products.

2,141,236
BATHROOM SCALE
Erwin E. Benedict, Rockford, Ill., assignor to The Brearley Company, Rockford, Ill., a corporation of Illinois
Application May 13, 1935, Serial No. 21,167
1 Claim. (Cl. 177—351)



A wall type weight indicator for a domestic weighing device of the type described comprising a platform scale adapted to rest on the floor of a room in proximity to the wall thereof, a transmitter including an impedance, means to vary said impedance dependent upon the weight of the person being weighed, and means for flexibly electrically connecting said transmitter and said wall type weight indicator, said indicator comprising a substantially straight elongated neon tube adapted to be adjustably and detachably attached to the wall of the room at the approximate eye level of the person being weighed, said tube having spaced electrodes therein, one of which extends longitudinally of the tube and is visible from the outside thereof when illuminated, said electrodes adapted to be connected to said last named electrical connecting means, and a graduated weight indication scale extending lengthwise relative to the longitudinal filament.

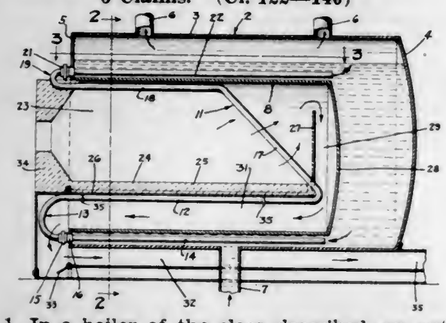
2,141,237
ELECTRIC TELEGRAPHY
Alder F. Connery, Brooklyn, N. Y., assignor to The Commercial Cable Company, New York, N. Y., a corporation of New York
Application June 5, 1935, Serial No. 25,051
51 Claims. (Cl. 178—70)



49. A telegraph system comprising means for translating standard three element code signals into two element code signals in which the dot and dash signals each are allotted equal perods of time, means for transmitting said two ele-

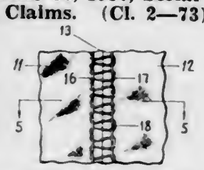
ment code signals, and translating means operative in response to said transmitted two element code signals for retranslating said two element code into a three element code.

2,141,238
BOILER
Francis R. Daly, Minneapolis, Minn.
Application July 26, 1937, Serial No. 155,711
6 Claims. (Cl. 122—140)



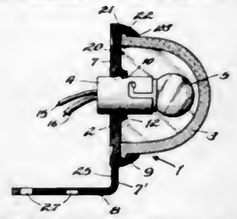
1. In a boiler of the class described, an outer drum, a relatively smaller drum mounted within the outer drum and having its horizontal wall and one end spaced from the corresponding walls of the outer drum to provide a water jacket, said inner drum providing a combustion chamber, and a bank of water-circulating tubes disposed within the inner drum and having their receiving and discharge ends connected respectively with the water jacket below and above the inner drum, portions of said tubes extending lengthwise through the inner drum and having means cooperating therewith to provide the bottom wall of the combustion chamber.

2,141,239
ELASTIC SEAM FOR GARMENTS
Harry Diamond, Cedarhurst, N. Y.
Application June 30, 1937, Serial No. 151,210
3 Claims. (Cl. 2—73)



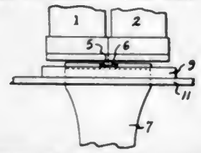
1. In a cross-stitched seam for an undergarment in the form of a slip, comprising two juxtaposed sections of woven fabric, each section having a folded flat edge, said folded edges facing in opposite directions and being in abutting relation, said folded edges being stitched by two parallel rows of straight-line stitching using non-elastic threads, said parallel rows of straight-line stitching being connected by a cross-stitch using an elastic thread, said elastic thread being positioned between said fabric and said straight-line stitching, each of said cross-stitches being of the same length as the distance between the two rows of straight-line stitching so as to normally connect and hold said folded fabric edges in flat and abutting relation, said elastic cross-threads being individually held taut by said non-elastic threads and being individually yieldable transversely to permit local transverse separation of said abutting edges and a localized linear opening for ventilation to be formed when said abutting edges are pulled apart.

2,141,240
SIGNAL LAMP
Samuel M. Dover, Chicago, Ill.
Application September 18, 1935, Serial No. 41,077
9 Claims. (Cl. 240—7.1)



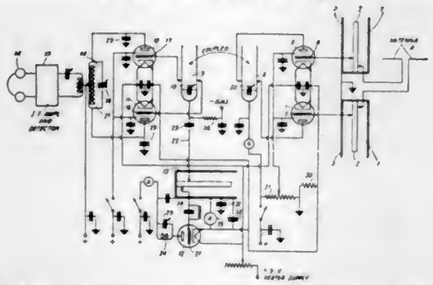
8. An electric lamp including a housing having a disc-shaped body portion having means forming a socket for receiving a lamp bulb, a lamp bulb in said socket, a mounting flange extending from the body portion, the body portion and the flange comprising one unitary piece of rubber, the body portion being flexible with respect to the mounting flange, and resilient reenforcing means at the point of flexure between the body portion and the mounting flange.

2,141,241
EFFECTING CLOSURES IN COLLAPSIBLE TUBES BY WELDING
Paul R. Fechheimer and Mervil Hallead, Cincinnati, Ohio, assignors to The Karl Kiefer Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application June 30, 1936, Serial No. 88,186
12 Claims. (Cl. 113—59)



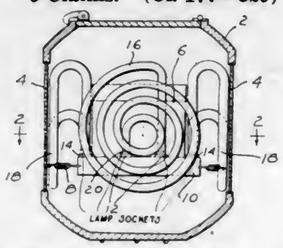
1. A process of sealing collapsible tubes by fusion, which comprises fusing first an intermediate area of juxtaposed wall portions of the container and carrying the fusion of the metal progressively out to the corners of said juxtaposed wall portions.

2,141,242
ULTRA SHORT WAVE SYSTEM
Ralph W. George and Bertram Trevor, Riverhead, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application March 26, 1935, Serial No. 13,038
19 Claims. (Cl. 250—20)



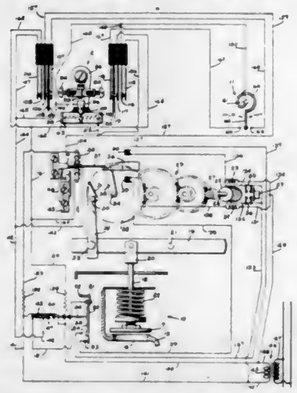
1. In combination, a resonant concentric transmission line having coupled inner and outer coaxial conductors devoid of concentrated reactance, input and output high frequency circuits, and individual connections from points intermediate the ends of said inner conductor to said circuits.

2,141,243
SIGNAL
Leon G. Godchaux, Robert H. Dietz, and Robert H. McElroy, Chicago, Ill., assignors of one-fourth to Richard C. Luhman
Application October 22, 1937, Serial No. 170,324
6 Claims. (Cl. 177—329)



1. A railway signal comprising a housing, a plurality of gas discharge lamps having downwardly extending legs within said housing, a window in said housing for each of said lamps and a resiliently mounted transformer having an outwardly extending base within said housing, said transformer having sockets in said outwardly extending base receiving said downwardly extending legs for completing the electrical connections to and supporting said lamps.

2,141,244
CONTROL SYSTEM
Arthur C. Grant, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application November 19, 1934, Serial No. 753,783
27 Claims. (Cl. 236—9)

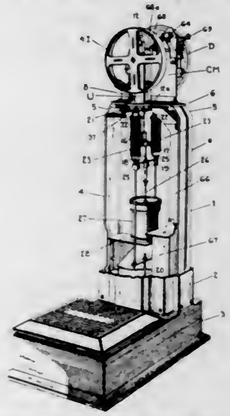


1. In combination, a condition changing device, electrical means for operating the condition changing device, an element responsive to the actual effectiveness of the condition changing device, a switch movable to a given circuit controlling position when the value of said effectiveness reaches a predetermined point, circuit controlling means, non-positive transmission means associated with said element and circuit controlling means for operating the latter upon changes in the effectiveness of the condition changing device but irrespective of the actual value thereof, a main controlling switch means responsive to a condition which is altered by the condition changing device, and electrical connections for said electrical means including said switch, circuit controlling means, and switching means, the arrangement being such that said switch means prevents operation of said electrical means when said condition is at one value and permits said circuit controlling means to operate said electrical means when said condition is at a second value, and said switch entirely preventing operation of said electrical means when the value of the effectiveness of said condition changing device reaches said predetermined point.

2,141,245
PROCESS FOR THE TREATMENT OF SULPHONATED FATTY ALCOHOLS AND THE PRODUCTS PRODUCED THEREBY
Josef Hirschberger, South Orange, N. J.
No Drawing. Application September 5, 1936, Serial No. 99,682
2 Claims. (Cl. 252—1)

2. A wetting composition consisting of a sulphonated higher fatty alcohol of 12–18 carbon atoms and ethyl alcohol.

2,141,246
HEART BEAT INDICATOR SCALE
Alvah B. Jacobus and Harlan A. Hadley, St. Johnsbury, Vt., assignors to E. and T. Fairbanks and Company, St. Johnsbury, Vt., a corporation of Vermont
Application July 15, 1935, Serial No. 31,404
5 Claims. (Cl. 265—68)



1. In a device of the character described, in combination, rotatable indicator mechanism mounted in an assembly unit supported by a base plate, a draft rod adapted to actuate the said indicator mechanism, a source of light emanating a light beam, perforated light beam directing means carried by the said indicator mechanism, a connector frame having the draft rod swivelly connected thereto, tension adjusting means comprising a tiltable plate adjustably mounted below the assembly unit base plate on spaced bolts attached thereto and provided with an enlarged opening therethrough for the passage of one of the said bolts serving thereby as a fulcrum point for the tiltable plate, opposed spring holding blocks depending from the said tiltable plate, resilient means comprising coiled springs adjustably mounted at their upper ends in spaced lugs on the said holding blocks and having their lower ends swivelly mounted in spaced lugs on the said

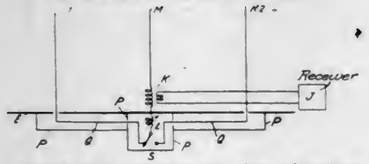
connector frame, means for adjusting the position of the tiltable plate on its fulcrum point for balancing the indicator at the zero position, and means carried by the spring adjusting blocks for adjusting the tension of the said springs, the said resilient means being adapted to oscillate the perforated light beam directing means on reaching its balanced position under influence of the heart pulsations of the operator.

2,141,247

ARRANGEMENT FOR WIRELESS SIGNALING

Ernst Kramar, Berlin-Tempelhof, and Heinrich Brunswig, Berlin, Germany, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company

Application May 14, 1936, Serial No. 79,704
In Germany May 17, 1935
5 Claims. (Cl. 250—11)



4. A compact arrangement for directive wireless signaling comprising a main antenna, a reflecting antenna adapted to cooperate therewith, the distance between said reflecting antenna and the main antenna being less than one-tenth wavelength, the spacial length of said reflecting antenna being shorter than the desired electrical length thereof, and means for electrically elongating said reflecting antenna for tuning it to the operative wavelength, whereby a radiation pattern is produced differing markedly from the radiation pattern which would be produced if the spacial length of the reflecting antenna were as great as its electrical length.

2,141,248

MEANS FOR THE BULK MEASUREMENT OF TAPES FROM DIFFERENT ROLLS

Mabel C. McCurrach, Brooklyn, N. Y.

Application August 31, 1938, Serial No. 227,777
11 Claims. (Cl. 33—127)



1. An apparatus for the bulk handling and measurement of lining tapes for neckties preparatory to cutting the tapes in measured lengths, including means for rotatably mounting a series of tape rolls in side by side position, and a plane member of predetermined length having means near one end for the releasable attachment of said tapes at the ends thereof, said member being rotatable for withdrawing said tapes from said rolls and for winding the tapes on the member, the wound tapes being adapted to be cut near said end of the member to provide measured lengths of the tapes, said measured lengths being removable from said means on cutting the tapes.

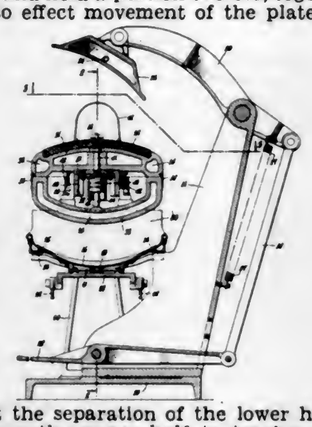
2,141,249

PRESSING MACHINE

Charles Mendelson, New Rochelle, N. Y.

Application April 9, 1938, Serial No. 201,143
9 Claims. (Cl. 223—57)

1. In a pressing machine: a frame, an intermediate ironing buck supported thereon and including a fixed padded half and a separable movable half, together with means to heat both of the halves, a platen adapted for engagement with the fixed half of the buck to press work thereon and hold a portion thereto, together with means to effect movement of the platen, means



to effect the separation of the lower half of the buck from the upper half to tension a further portion of the work, an element located beneath the buck, and means to position the said element against the lower half of said buck for engagement with a depending portion of the work.

2,141,250

GOLF PRACTICE DEVICE

Amos Perrault, Detroit, Mich.

Substitute of application Serial No. 127,264, February 23, 1937. This application May 27, 1938, Serial No. 210,469
1 Claim. (Cl. 273—35)



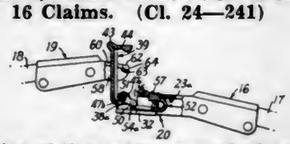
A golf practice device comprising a golf ball of conventional form and type, a block of soft rubber adhesively secured thereto and having a hole therethrough, an elastic cord having an end passed through said hole and having on such end a knot disposed between the block and the ball, the block having a recess in the surface thereof adjacent the ball receiving such knot, the cord being vulcanized to the block, and a parachute on the other end of the cord.

2,141,251

CLASP CONSTRUCTION

Eugen Prestinari, Summit, N. J., assignor to The Hadley Company, Inc., Providence, R. I., a corporation of Rhode Island

Application September 27, 1937, Serial No. 165,833
16 Claims. (Cl. 24—241)



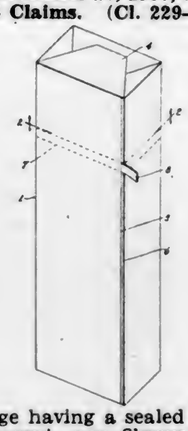
3. A device of the nature described comprising, in combination, a body member having side walls and a connecting web portion, said side walls having notches formed between the ends thereof adapted to receive a coupling or the like, a catch slidably mounted in said body member adapted to slide from an open position spaced from said notches to a closed position wherein it blocks the entrance to said notches to hold the coupling therein, the portion of said catch which blocks said notches having a beveled upper surface, a second catch pivotally mounted on said body member and swingable from an open to a locking position where it overlies said first-mentioned catch and said notches, said second catch having a portion which engages said coupling to force it against said beveled surface when said first-mentioned catch is in closed position to force said first-mentioned catch into its open position to permit entrance of said coupling into said notches, and a part operated by said second-mentioned catch and engageable with said first-mentioned catch to force it into its closed position when the second catch is swung to its closed position.

2,141,252

PACKAGE

Karl E. Prindle, Shaker Heights, Ohio, assignor to The Dobeckmun Company, Cleveland, Ohio, a corporation of Ohio

Application November 27, 1937, Serial No. 176,887
5 Claims. (Cl. 229—51)



1. A package having a sealed wrapper formed of a transparent non-fibrous material, said wrapper having a lapped seam in which at least the upper ply has a continuous straight edge, and a pull-strip associated therewith whereby the wrapper may be severed to permit access to the contents of said package, said pull-strip having a portion thereof projecting beyond said seam to constitute a pull-tab and comprising a relatively narrow laminated material in which each of the laminae is formed of a narrow strip of a non-fibrous material, said laminae being adhesively secured together at the juxtaposed adjacent surfaces thereof, the longitudinal edges of said pull-strip severing the wrapper when said pull-strip is pulled rearwardly.

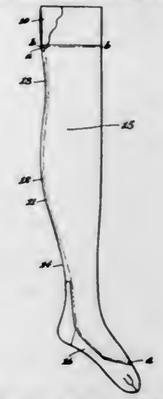
2,141,253

FIBROUS SILK AND THE MANNER OF ITS PRODUCTION

Aron Herse Rosenberg, New York, N. Y.

Application February 12, 1935, Serial No. 6,197
4 Claims. (Cl. 28—1)

1. The process of reducing a knitted fabric section to a filamentary mass, which comprises the step or steps of so treating the knitted fabric section as to cause each course to be severed from its adjacent courses, without, however, destroying the interlooping therebetween, and then subjecting the knitted section so treated to a reduction operation in which the courses are removed successively from the fabric, and the threads forming such courses, each reduced successively one at a time to a filamentary state.

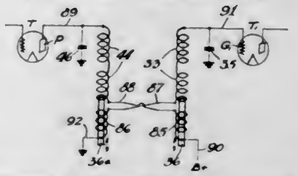


2,141,254

HIGH-FREQUENCY COUPLING DEVICE

William A. Schaper, Chicago, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois

Application May 18, 1936, Serial No. 80,233
6 Claims. (Cl. 178—44)



1. A selective radio-frequency coupling device including in combination input and output circuits each having an inductor and a fixed capacitor and being initially resonant at a desired frequency, means for adjusting the inductance of each of said circuits to compensate for changes in the capacitance thereof due to conditions of use to thereby maintain resonance at said frequency, said circuits being inductively coupled, and a member of magnetic material and of low reluctance between said inductors to magnetically coupled said circuits, said couplings being adapted to maintain the selectivity and the gain of said coupling device substantially constant regardless of said inductance adjustment.

2,141,255

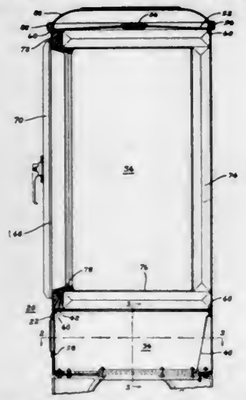
REFRIGERATING APPARATUS

Edmund F. Schweller, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application May 31, 1935, Serial No. 24,371
8 Claims. (Cl. 220—9)

1. A cabinet including vertical sheet metal walls extending around the cabinet, said sheet metal walls being provided with an inturned flange at one edge thereof, a partition wall spaced from said inturned flange extending between the vertical sheet metal walls, said partition wall having means extending to and resting upon said

inturned flange for supporting said partition wall, said extending means being located within confines outlined by radii extending from one



edge of the partition wall having a length equal to the distance from that edge to the directly opposite edge of said partition wall.

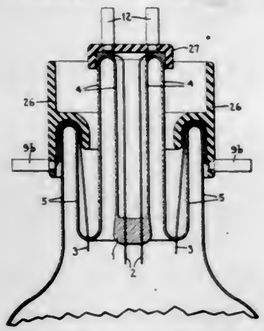
2,141,256

VACUUM TUBE

Clinton H. Suydam, East Orange, N. J., assignor to Federal Telegraph Company, Newark, N. J., a corporation of California

Application June 6, 1936, Serial No. 83,947

2 Claims. (Cl. 250—27.5)



2. A vacuum tube comprising two electrode lead-out wires of high potential difference, an outwardly extending double walled annular stem integral with the envelope of said tube, separating said lead-out wires from each other, a rigid cylindrical glass neck portion, formed from said envelope, having an inner and outer wall surface and located concentrically with respect to said glass stem, a combination tube-supporting and terminal-carrying cap fitted around and extending over the top and a portion of the outer and inner wall surfaces of said rigid neck portion and cemented to the end thereof, a pair of tube-supporting and current-conducting terminals mounted on said cap outside the radius of said neck portion, that lead-out wire which is outside said annular stem being connected to at least one of said pair of terminals, a second terminal-carrying cap concentric with said combination terminal-carrying and tube-supporting cap and supported by said annular glass stem, and a second pair of terminals mounted on said second cap, that lead-out wire which is inside said annular stem being connected to one of said second pair of terminals.

2,141,257

METHOD OF PREPARING LUBRICATING OIL STOCKS FROM ASPHALT-CONTAINING CRUDE PETROLEUM OILS

Ernest W. Thiele, and Bernard Ginsberg, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application May 28, 1936, Serial No. 82,252

3 Claims. (Cl. 196—1)

1. In the method of preparing lubricating oil stocks from mixed base crude petroleum oils by distilling said oils under non-cracking conditions to obtain a viscous heavy residue, deasphalting said residue with propane at about 100° F. to 115° F., and separating propane from the deasphalted oil, the improvement which consists of adding to said deasphalted oil about ¼% to 2% of a reduced pressure tar obtained from the cracking of gas oil at pressures of about 300 to 400 pounds per square inch and temperatures of about 850 to 925° F., said pressure tar having a specific gravity at 60° F. of at least 1.0.

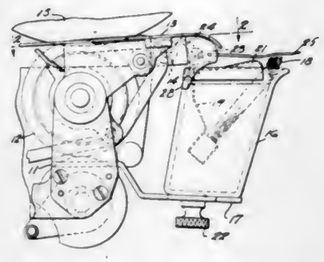
2,141,258

MOISTENING DEVICE

Walter H. Wheeler, Jr., Stamford, Jacob W. Ogden, Springdale, and Francis J. Rouan, Stamford, Conn., assignors to Pitney-Bowes Postage Meter Co., Stamford, Conn., a corporation of Delaware

Original application October 29, 1935, Serial No. 47,330. Divided and this application November 24, 1936, Serial No. 112,466

10 Claims. (Cl. 91—14.5)



1. In a tape device of the character described, a moistening member, means for feeding gummed tape to the moistening member, and a selectively controlled deflector positioned apart from the moistening member and arranged to engage either the upper or the lower surface of the tape to direct the travel of said tape, whereby the tape is adapted to have its gummed surface moistened or remain unmoistened in accordance with the position of the deflector.

2,141,259

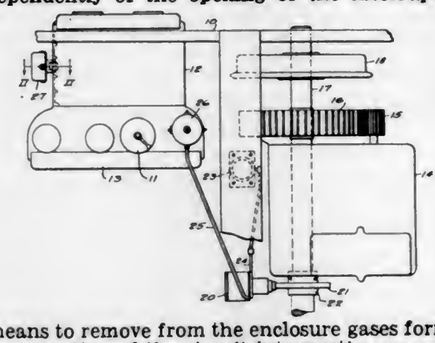
CONTROL APPARATUS

Charles C. Whittaker, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 31, 1936, Serial No. 118,576

9 Claims. (Cl. 200—168)

1. In a power driven machine, the combination of control apparatus including circuit interrupting means, an enclosure for the interrupting means having restricted breather ports in the walls thereof, and compressor means associated with one of said breather ports operable independently of the opening of the interrupting



means to remove from the enclosure gases formed by operation of the circuit interrupting means.

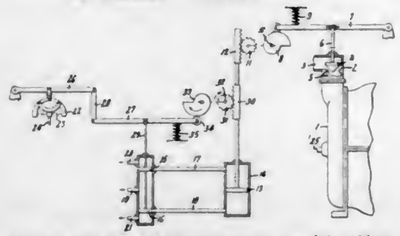
2,141,260

GOVERNING MECHANISM FOR ELASTIC FLUID TURBINES

Reed J. Caughey, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application November 6, 1936, Serial No. 109,454

4 Claims. (Cl. 137—158)



4. An elastic fluid turbine in combination with a speed governor driven thereby, a throttle valve movable through a critical position for controlling the admission of motor fluid to the turbine in accordance with changes in speed thereof, a fluid actuated motor comprising a piston and cylinder for moving the valve from and toward its seat, a pilot valve having neutral and operative positions for controlling the action of the motor, a follow-up device including a floating lever for moving the pilot valve, one end of the lever being moved by the governor, and a cam moved by the motor acting as a fulcrum for the floating lever, the cam being shaped to delay the restoration of the pilot valve to its neutral position by changing the position of the fulcrum when the throttle valve is moved in one direction from its critical position and to accelerate the restoration of the pilot valve to its neutral position by again changing the position of the fulcrum but in the opposite sense when the throttle valve is moved in the opposite direction from said critical position, the shape of the cam resulting in a straight line function of steam flow.

2,141,261

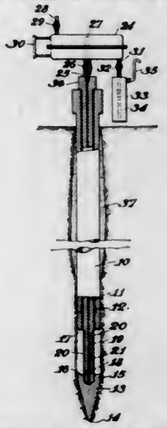
METHOD AND APPARATUS FOR COLLECTING SOIL GAS SAMPLES

Joseph Baldwin Clark, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware

Application October 13, 1937, Serial No. 168,781

9 Claims. (Cl. 166—21)

1. An improved method of installing an elongated apparatus for removing a sample of soil gas from below the earth's surface, said apparatus including a hollow gas-collecting member open at or near its lower end; said improved method comprising first forming a hole in the earth of sufficient cross-section to receive said elongated apparatus but of a depth which is only a fraction of that to the point at which the sample of gas is to be taken, at least partially filling said hole with a sealing agent, placing



within said hole said elongated apparatus, driving said elongated apparatus to a depth at which a sample of gas is to be taken, and withdrawing through said hollow gas-collecting member a sample of soil gas to be analyzed, said sealing agent serving to prevent the contamination of said soil gas sample with atmospheric air.

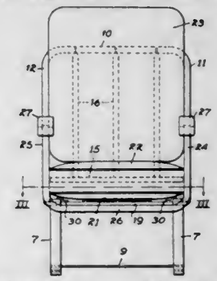
2,141,262

CHAIR

Nelson E. Cole, Pittsburgh, Pa., assignor to The McKay Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application July 17, 1937, Serial No. 154,158

3 Claims. (Cl. 155—54)



1. Chair structure comprising legs, horizontally-extending seat-supporting members carried by the legs and disposed in laterally-spaced relation, a seat frame having a back portion and seat bars, cross bars connecting the said seat bars and extending beneath the said horizontally-extending members, and flange members carried by said cross bars and over-lying the said horizontally-extending members.

2,141,263

INDEXING WORK HOLDER

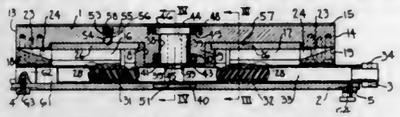
Frank W. Curtis, Wauwatosa, Wis., assignor to Kearney & Trecker Corporation, West Allis, Wis.

Application November 29, 1935, Serial No. 52,138

14 Claims. (Cl. 90—58)

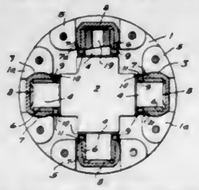
1. In a rotary indexing table apparatus for a machine tool, the combination with a base adapt-

ed for mounting on a machine tool, of a rotatable work supporting table pivotally mounted on the surface of said base, an operating shaft having oppositely threaded portions and a cam portion acting radially thereof journaled in said base, means cooperating with said oppositely threaded portions of said shaft and movable thereby in



opposite directions for locking said table in predetermined position when said shaft is turned on its axis in one direction, and means including a cam follower cooperating with said cam portion and acting radially of said shaft for positively lifting said table from the surface of said base for rotation relative thereto when said shaft is turned in the other direction.

2,141,264
UNIVERSAL JOINT
Charles D. Cutting, Detroit, Mich., assignor to Cutting Sales and Engineering Company, Detroit, Mich., a corporation of Michigan
Application May 7, 1936, Serial No. 78,387
6 Claims. (Cl. 64—17)



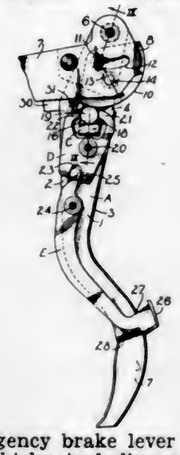
1. A trunnion bearing assembly comprising a trunnion having a shoulder, a cylindrical bushing for said trunnion, an oil seal between said bushing and said shoulder, a second bushing having a cylindrical interior into which said first cylindrical bushing fits, said second bushing having a spherical exterior surface, a dust shield secured to the external surface of said spherical bushing and housing said oil seal, and a spherical socket for said spherical exterior surface.

2,141,265
DOOR HANDLE ROSE PLATE CONSTRUCTION
George E. Dey, Grand Rapids, Mich., assignor to W. B. Jarvis Company, Grand Rapids, Mich.
Original application April 19, 1937, Serial No. 137,672. Divided and this application January 31, 1938, Serial No. 187,796
5 Claims. (Cl. 292—357)



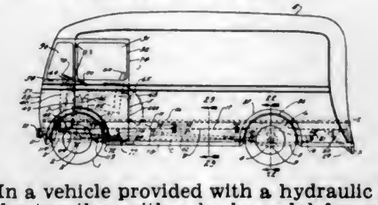
1. In a handle rose plate construction for attachment to an automobile door panel, a base plate having a tongue struck inwardly thereof, such panel having an aperture engageable by said tongue, and an escutcheon corresponding in shape to and abutting said base plate with the edges of the escutcheon flanged underneath the base plate, said escutcheon and base plate having aligned apertures receiving a securing bolt.

2,141,266
BRAKE LEVER
Dorman B. Dickerson, Detroit, Mich., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application December 11, 1937, Serial No. 179,226
10 Claims. (Cl. 74—531)



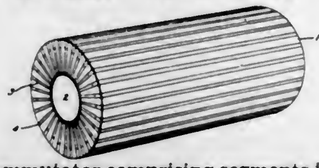
1. An emergency brake lever construction for automotive vehicles including a support, a lever shaft pivoted to said support to swing, clutching means carried by said lever shaft and including two relatively movable clutching surfaces and an interposed roller, and means for moving one of said clutching surfaces with respect to the other as the shaft is swung in brake-applying direction to move said roller away from holding engagement with the clutching surfaces and operative to move the roller into jamming engagement with the clutching surfaces when the lever shaft tends to retrograde movement due to pull of the connected brake mechanism.

2,141,267
VEHICLE
Hugh Joseph Dillon, Highland Park, Mich.
Application September 3, 1935, Serial No. 38,936
9 Claims. (Cl. 180—77)



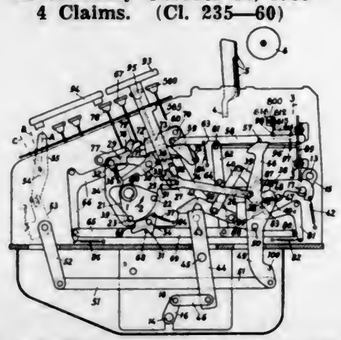
1. In a vehicle provided with a hydraulic brake cylinder together with a brake pedal for operating same, the combination of a main frame assembly, a rock shaft mounted on said main frame assembly, a lever member fixedly mounted on said rock shaft and pivotally connected with said hydraulic brake cylinder, an idler lever pivotally mounted on said main frame assembly, a second lever member fixedly mounted on said rock shaft, a rod member pivotally connected with said second lever member and said idler lever, a collar member fixedly mounted on said rod member, an auxiliary frame assembly pivotally supported on said main frame assembly, and a forked lever member pivotally mounted on said auxiliary frame assembly and adapted to straddle said rod member and engage said collar member, said forked lever being connected with said brake pedal.

2,141,268
COMMUTATOR AND METHOD OF MAKING SAME
Ralph E. Dunbar, East Cleveland, Ohio, assignor to Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio, a corporation of New York
Application April 28, 1936, Serial No. 76,781
12 Claims. (Cl. 29—155.54)



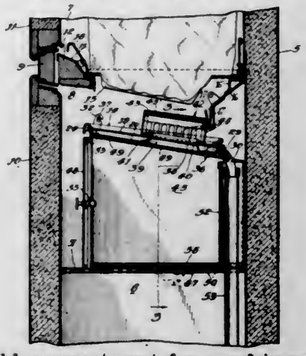
1. A commutator comprising segments insulated by preformed strips of insulation stacked between adjacent segments, and means for clamping the segments together whereby the strips of insulation are clamped therebetween, said insulation being in two portions, the portion adjacent the brush engaging surface of the segments being preformed strips of fibrous material less abrasive than the segments, and the other portion of the insulation being preformed strips of mica.

2,141,269
CONTROL MECHANISM FOR CALCULATING MACHINES
Heinrich Konrad Friedrich Ewald, Chemnitz, and Johannes Gebhardt, Siegmar-Schonau, Germany, assignors to Wanderer-Werke vorm. Winklhofer & Jaenicke Akt.-Ges., Siegmar-Schonau, Germany
Application October 6, 1936, Serial No. 104,310
In Germany October 12, 1935
4 Claims. (Cl. 235—60)



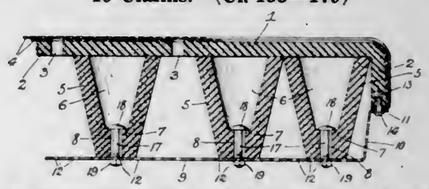
1. In a calculating machine having calculating mechanism including actuators and a plurality of accumulators; means for shifting each accumulator into and out of engagement with the corresponding actuators; keys for controlling the total taking from said accumulators; selector means for determining which accumulator shifting means is to be made operative; a control member operably connectable to the selected shifting means; means including an oscillatory member for moving the control member to effect a complete shifting operation of at least one selected accumulator during the forward stroke and of another accumulator during the return stroke of said member, said shifting operation including bringing said accumulator into and out of engagement with the corresponding actuators; and means for changing the connection of the control member from one shifting means to another during the operation of the oscillatory member whereby different accumulators are shifted by the forward stroke and return stroke respectively of the oscillatory member.

2,141,270
ICE REFRIGERATOR
Carl Edward Harry Frykdahl, Duluth, Minn., assignor to The Coolerator Company, Duluth, Minn., a corporation of Minnesota
Application November 11, 1936, Serial No. 110,223
19 Claims. (Cl. 62—31)



1. A cold compartment for a refrigerator having a pair of side walls, a back wall, a door at its front, and a bottom, said compartment being open at the top and said door being spaced from the side walls and bottom whereby cooled air may enter said compartment through the open top to induce flow therefrom through the space around said door and thereby establish a relatively low temperature in said compartment.

2,141,271
UPHOLSTERY
Carl Hugo Gerlofson, Chicago, Ill.
Application January 2, 1937, Serial No. 118,855
19 Claims. (Cl. 155—179)

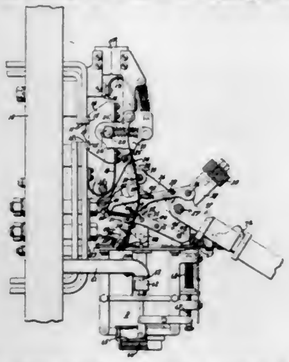


13. In combination in a seat cushion, a rubber cushion element comprising a rubber sheet-like member and a plurality of hollow perforated rubber fingers projecting from one side of said sheet-like member, said fingers shouldered interiorly each about its perforation, a perforated body member, more rigid than the sheet member or the fingers, and means for securing the fingers to the body member, said means comprising parts engaging the body member, passing through said perforations in said fingers, engaging said fingers and serving as valve members to control the passage of air through said perforations, said combined valve and securing means comprising bolts passing through perforations in said body member and through the perforations in said fingers, said bolts being provided each with a part to engage a shoulder within a finger and a part to engage said body member.

2,141,272
ELECTRIC SWITCH
Charles H. Hill, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York
Application November 21, 1935, Serial No. 50,915
19 Claims. (Cl. 200—89)

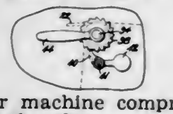
1. An electric switch comprising a movable circuit controlling member and means for mov-

ing said member to and holding it in one of its circuit controlling positions including a support, a toggle connecting said member and said support, a movable abutment, means for holding said abutment in one position, a wedging member be-



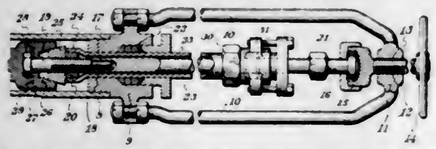
tween said abutment and said toggle engageable therewith to straighten the toggle when moved in one direction while the abutment is held in said position, and means for moving said wedging member in said direction.

2,141,273
PAPER MACHINERY
Herman L. Kutter, Hamilton, Ohio, assignor to The Black-Clawson Company, Hamilton, Ohio, a corporation of Ohio
Application November 15, 1935, Serial No. 49,889
6 Claims. (Cl. 92—43)



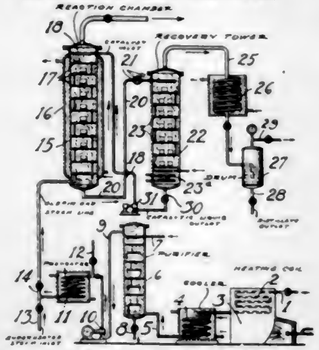
1. A cylinder machine comprising a cylinder mold and a vat therefor, an apron portion in the vat comprising an upper wall portion over which the stock overflows toward the mold terminating at a wall portion following the contour of the mold, said apron portion having a recess extending thereacross between the said wall portions, a rotatably movable member of substantial size extending across the vat within and substantially filling said recess, and a blade extending from the rotatable member and adapted to adjustably vary the flow conditions of the stock upon movement of said rotatable member.

2,141,274
PIPE PLUGGING DEVICE
Arthur W. Lenhart, Tulsa, Okla.
Application May 10, 1937, Serial No. 141,848
4 Claims. (Cl. 29—84)



1. A stopper applying and expanding tool, said tool comprising a coupling sleeve adapted to be threaded into a pipe in axial alinement therewith, a yoke head carried by said coupling, a yoke carried by the yoke head, a packing gland carried by said head, an axially movable shaft extending through the head and gland, means threaded through said yoke and bearing against said shaft for axially moving the same, a rotatable sleeve carried by the shaft and extending through the packing gland of the head, a right and left handed threaded shaft carried by the operating shaft and adapted to non-rotatably carry an expansible stopper and means carried by the sleeve and adapted to cooperate with the stopper for expanding the same within a pipe, a screw socket in the end of said operating shaft, one set of threads of said threaded shaft cooperating with said socket to couple the first shafts and the other set of threads cooperating with said stopper operating means whereby the threaded shaft will be prevented from rotating during a stopper expanding operation.

2,141,275
METHOD FOR HYDRATING OLEFINES
Warren K. Lewis, Newton, Mass., assignor to Standard Oil Development Company, a corporation of Delaware
Application October 22, 1936, Serial No. 106,967
13 Claims. (Cl. 260—641)

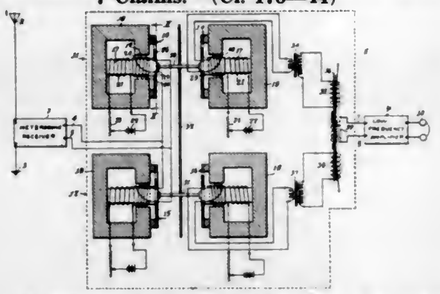


1. An improved process for hydrating olefines comprising passing an olefine in vapor phase upwardly through a reaction zone in countercurrent contact with aqueous sulphuric acid of less than sulphating strength, the reaction being conducted at a temperature between about 350° and about 128° C. and at a pressure above about 100 atmospheres, maintaining a partial pressure of water to substantially maintain the concentration of the acid during reaction, maintaining the alcohol in liquid phase, dissolved in the aqueous sulphuric acid at a concentration below the equilibrium concentration, withdrawing a mixture of alcohol and dilute sulphuric acid and distilling the former from the latter at a pressure below that prevailing during reaction.

2,141,276
TANNING AGENTS AND PROCESS OF PRODUCING THE SAME
Herbert Muench, Mannheim, and Hermann Loewe, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application June 18, 1936, Serial No. 85,908. In Germany June 26, 1935
8 Claims. (Cl. 149—5)

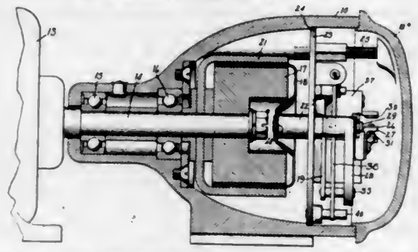
1. The process of producing tanning compounds which comprises degrading an albuminous substance in an aqueous medium, evaporating the solution obtained to dryness and then combining the degradation product with a soluble ferric compound which does not form a precipitate therewith.

2,141,277
INTERFERENCE ELIMINATOR
Frederick E. Nickel, San Diego, Calif., assignor to Solar Aircraft Company, San Diego, Calif., a corporation of California
Application October 16, 1936, Serial No. 105,977
7 Claims. (Cl. 178—44)



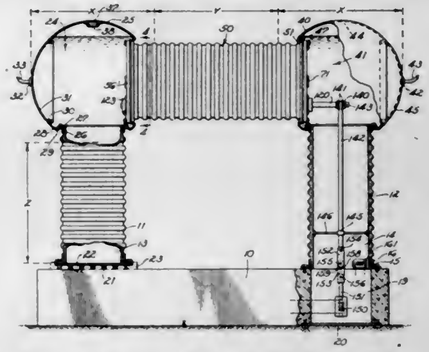
1. A system of the type described for transmitting with relatively high efficiency electric waves of a predetermined frequency while attenuating waves of other frequencies, comprising an input line and an output line, a pair of filter elements having input circuits connected to said input line and having output circuits, means for applying waves in the output circuits of said filter elements to said output line in opposing relation whereby waves of the same frequency and predetermined relative intensities in the output circuits of said filter elements neutralize each other and produce no waves in the output line but whereby waves of relative intensities other than said predetermined relative intensities in the output circuits of said filter elements produce a resultant wave in the output line, said filter elements having high transfer efficiencies at relatively low substantially identical frequencies and also at relatively high dissimilar frequencies and the upper frequency of high transfer efficiency of one of said filter elements being substantially identical with said predetermined frequency.

2,141,278
SWITCH MECHANISM
Joseph W. Owens, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 6, 1937, Serial No. 135,232
7 Claims. (Cl. 200—52)



1. A direction switch mechanism comprising a shaft mounted for continuous rotation in either direction, a second shaft mounted in axial alignment with said first shaft, a yieldable driving connection between said shafts, a crank arm secured to said second shaft, a pivoted contact arm, and a pin and slot operating connection between said contact arm and said crank arm, said connection being arranged to form a stop for said crank arm for each direction of rotation and to limit the actuating force applied to said contact arm after a predetermined movement of said contact arm.

2,141,279
ELECTRIC SWITCH
Ernest K. Sadler, Los Angeles, Calif., assignor, by mesne assignments, to General Electric Company, a corporation of New York
Application November 4, 1935, Serial No. 48,094
19 Claims. (Cl. 200—150)



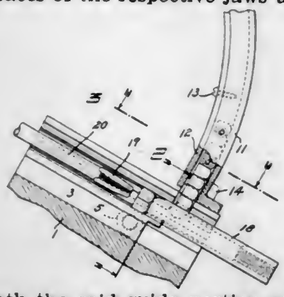
1. In combination in a circuit interrupter: an arc-quenching tube means submerged in a dielectric medium and providing passage means including one or more passages through which the dielectric medium inside said tube may communicate with the dielectric medium exterior of said tube; a set of laterally disposed contacts in said tube to one side of said passage means; another set of laterally disposed contacts in said tube to the other side of said passage means; means for opening said sets of contacts; and means forcing streams of dielectric medium along said tube means and respectively across said sets of contacts during opening thereof before reaching said passage means, each of said streams flowing in a direction toward said passage means whereby said streams flow toward each other and meet to force dielectric medium outward from the interior of said arc-quenching tube means through said passage means.

15. In combination in a circuit interrupter: a pair of spaced spheres of conducting material electrically connected to the circuit to be interrupted; an outer tube of insulating material interconnecting said spheres; an inner arc-quenching tube means disposed in said outer tube and defining therewith an annular space; a plurality of sets of contacts in said inner tube means, said contacts being electrically connected in series with said spheres whereby said spheres tend to equalize the potential across said sets of contacts when the circuit is being interrupted; and mechanism in said annular space for operating said contacts.

2,141,280
NUT TAPPING MACHINE
Henry P. Selman, Detroit, Mich.
Application November 20, 1937, Serial No. 175,545
4 Claims. (Cl. 10—129)

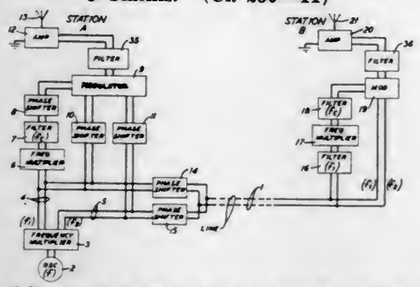
1. In a nut tapping machine, a pair of spaced parallel nut holding jaws secured in fixed position, the said jaws each having a recess near one end, a chute secured in fixed relation with the jaws and having oppositely disposed nut guide portions extending into the respective opposed recesses of the jaws, a pair of upper guide bars extending longitudinally and in opposed

position on the respective jaws and terminating approximately at the recess for the guide portions of the chute, and a pair of lower oppositely disposed guide bars each positioned in the opposed faces of the respective jaws and extend-



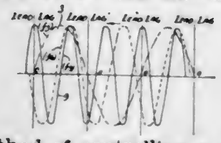
ing beneath the said guide portion of the chute in position to receive nuts feeding to between the jaws from the chute, said pairs of bars being of a wear resistant material and each engaging a side face of a nut to thereby hold the same from rotation.

2,141,281
WAVE TRANSMISSION
George Clark Southworth, Red Bank, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application July 22, 1936, Serial No. 91,971
6 Claims. (Cl. 250—11)



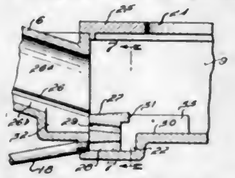
1. The method of guiding a moving craft which comprises transmitting energies of the same frequency and intensity from two spaced antennae having similar directive characteristics pointed toward each other whereby a zone extending from one antenna to the other is established in which the maximum amplitudes of the waves from both antennae are equal and in which said waves combine to form a standing wave, and periodically receiving at the moving craft the same amount of energy from said standing wave, substantially.

2,141,282
WAVE TRANSMISSION
George Clark Southworth, Red Bank, N. J., and French Hoke Willis, New York, N. Y., assignors to American Telephone & Telegraph Company, a corporation of New York
Application July 22, 1936, Serial No. 91,972
7 Claims. (Cl. 250—2)



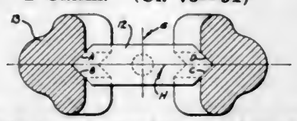
1. The method of controlling a moving object which comprises transmitting two opposing waves to establish an interference field in space, selecting different fixed frequencies for said waves to produce a resultant wave that moves at a given fixed velocity, and utilizing said moving wave to automatically govern the speed of said object.

2,141,283
OIL BURNER
Arthur B. Walton, Detroit, Mich., assignor, by mesne assignments, to Labanna S. Jack, Detroit, Mich.
Application November 11, 1935, Serial No. 49,194
7 Claims. (Cl. 158—28)



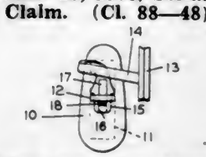
1. In an oil burner, a fire-pot open at the top and positioned in a substantially horizontal plane, an air supply conduit lying at an angle to the plane of the fire-pot and downwardly inclined in respect thereto, said fire-pot having an oil well, a fuel supply conduit lying at an angle and upwardly inclined in respect to the fire-pot and discharging to the fuel well, the air supply conduit being divided longitudinally to form an upper and a lower channel, the upper channel discharging over the oil well and the lower channel discharging thereinto, and valve means for varying the flow of air in volume per unit of time in the upper air channel.

2,141,284
TENSILE TESTING APPARATUS
Herbert J. Woock, Lodi, Calif.
Application March 30, 1936, Serial No. 71,601
1 Claim. (Cl. 73—51)



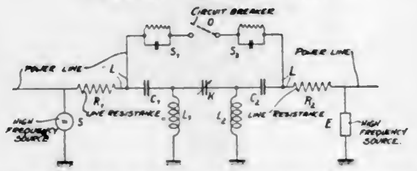
In a tensile testing machine having two angularly disposed holding jaws which are so constructed that they will automatically center and hold during the pull a rough casting test specimen; each jaw having opposed multiple wedge shaped gripping surfaces causing wedging action to be in two planes; said planes being at right angles to each other and both being inclined to the main body of the test specimen.

2,141,285
OPHTHALMIC MOUNTING
Joseph W. Aspenleiter, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application June 18, 1936, Serial No. 85,949
1 Claim. (Cl. 88—48)



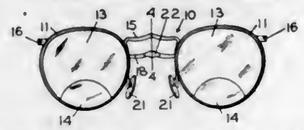
In an ophthalmic mounting, a nose pad having a loop on its rear surface, a pad supporting arm having a reduced end portion adapted to extend into said loop, one side of said reduced portion being curved and adapted to engage the rear surface of said pad, the other side of said reduced portion having a groove therein, and a strip of bendable material secured within said groove, said strip being bent upward beyond said loop to prevent removal of said arm from said loop.

2,141,286
COUPLING-ON OR BRIDGING IMPLEMENT
Raoul Baranowsky, Berlin-Treptow, Germany, assignor to General Electric Company, a corporation of New York
Application February 1, 1936, Serial No. 62,003
In Germany February 2, 1935
7 Claims. (Cl. 177—352)



1. The combination, in a system for coupling two power lines together for carrier currents having frequencies spaced apart by a desired range of frequencies, of a pair of oscillatory circuits tuned to one of said frequencies, one of said oscillatory circuits comprising the impedance of one of said power lines and the other oscillatory circuit comprising the impedance of the other of said power lines, and a reactance element to couple said oscillatory circuits and to resonate with the reactance of said oscillatory circuits at a frequency spaced from said one frequency by said desired range.

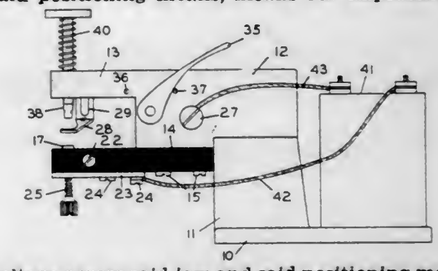
2,141,287
OPHTHALMIC MOUNTING
Samuel E. Bouchard, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application November 23, 1936, Serial No. 112,277
2 Claims. (Cl. 88—49)



1. An ophthalmic mounting comprising spaced lens holding devices, a bridge secured to and connecting said lens holding devices, a member extending between said devices and having vertical portions which are slidably mounted on said devices, a nose pad carried by each of the vertical portions, said member being positioned behind said bridge when at the upper limit of its excursion, a clip on said member, said clip extending forwardly from the lower edge of said member to a point beyond the front face of said bridge so as to provide a finger engaging piece for moving said member and its attached nose pads.

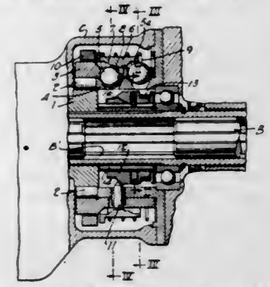
2,141,288
MACHINE FOR ASSEMBLING OPHTHALMIC MOUNTINGS
Samuel E. Bouchard, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application February 1, 1937, Serial No. 123,506
2 Claims. (Cl. 219—11)

1. A device of the character described comprising a support, two arms fixed to said support in spaced relation, positioning means on one of said arms for receiving a strap of an ophthalmic mounting, a jaw movably mounted on the other of said arms, means for urging said jaw toward said positioning means, means for impressing a



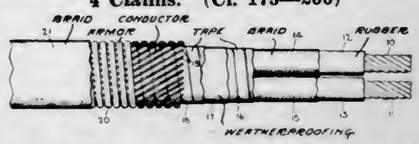
voltage across said jaw and said positioning means whereby a heating current can be made to flow through a mounting on said positioning means, and a plunger slidably mounted on said other of said arms in alignment with said positioning means.

2,141,289
AUTOMOBILE REVERSE CONTROL
Lindsay H. Browne, Rochester, N. Y., assignor to Josiah Anstice & Co., Inc., Rochester, N. Y., a corporation of New York
Original application March 28, 1934, Serial No. 717,757, now Patent No. 2,052,552. Divided and this application June 2, 1936, Serial No. 83,025
8 Claims. (Cl. 192—4)



1. In a roll-back-stop, means for locking a rotating power shaft against rearward motion, means to hold said locking means out-of-functioning position including two cooperating sleeves, one having means to release the back-roll-stop into functioning position and the other sleeve engaging said sleeve by over-running clutch connections.

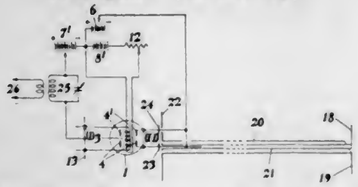
2,141,290
ELECTRIC CABLE
George Carlson, Bridgeport, and Homer G. Knoderer, Fairfield, Conn., assignors to General Electric Company, a corporation of New York
Application October 30, 1934, Serial No. 750,622
4 Claims. (Cl. 173—266)



1. An electric cable comprising a conductor, insulation for the conductor, a tape of fibrous material wound spirally over the insulation, a layer of weatherproofing compound, a tape of

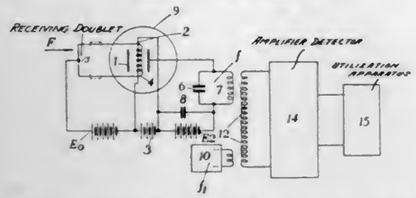
fibrous material over the compound, a conductor consisting of strands wound spirally over said last named tape, a metal armor over the conductor, and a braid over the armor.

2,141,291
ULTRA-SHORT-WAVE RECEIVER
Andre Gabriel Clavier, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y.
Application November 2, 1935, Serial No. 47,955
In France November 24, 1934
12 Claims. (Cl. 250—20)



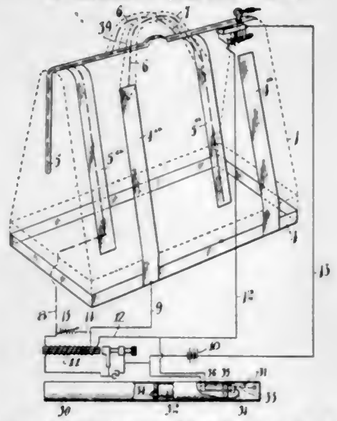
1. Short wave radio receiver comprising a vacuum tube, electrodes therein including a thermionic cathodic electrode, an oscillating electrode and a two-part reflecting electrode, means for applying to the oscillating electrode a potential positive with respect to that of the cathodic electrode, means for applying to one part of said reflecting electrode a potential with respect to the cathodic electrode which is many times smaller than said first named potential, means for applying between the two parts of said reflecting electrode a modulated high frequency current and a resonant circuit tuned to an intermediate frequency and connected between two different ones of said electrodes for the generation of local oscillations.

2,141,292
RADIO RECEIVER
Andre Gabriel Clavier, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y.
Application February 29, 1936, Serial No. 66,408
In France April 29, 1935
7 Claims. (Cl. 250—8)



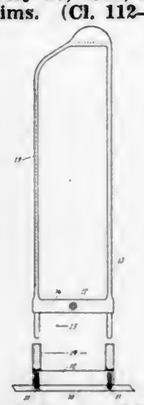
7. In combination a substantially gas-free electronic discharge device which includes two electrodes and means for creating a purely electronic cloud in the space therebetween, a tuned circuit which includes an inductance and a mechanically static condenser comprising said electrodes as condenser plates and comprising the space therebetween together with the electronic cloud therein as dielectric, said circuit being tuned to such a frequency that the reactance of said cloud forms a substantial portion of the effective circuit reactance, a source of varying potentials, and means for varying the effective reactance of said circuit under control of said source solely by varying the apparent dielectric constant of said dielectric, said means comprising means for varying the volumetric density of said cloud responsive to variations in said source and means for maintaining across said space such potential gradients that changes in said volumetric density cause substantial changes in said dielectric constant.

2,141,293
SAFETY CONTAINER FOR VALUABLES
William H. Davidson, Toronto, Ontario, Canada
Application May 4, 1936, Serial No. 77,712
5 Claims. (Cl. 177—316)



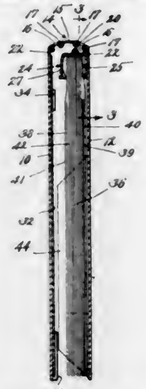
1. A container in combination with apparatus contained within the container for generating a high tension current; spaced conductors adjacent external surfaces of the container connected alternately to opposite sides of the high tension apparatus whereby when the space between two adjacent conductors be bridged, as by the human hand a shock-giving current will pass; and movable control means normally inhibiting the operation of the high tension apparatus including a part extending outside the receptacle whereby the control means may be actuated.

2,141,294
EMBROIDERING MACHINE
Otto De Cardy, Chicago, Ill., assignor to Chicago Embroidery Company, Chicago, Ill.
Application January 29, 1934, Serial No. 708,815
4 Claims. (Cl. 112—103)



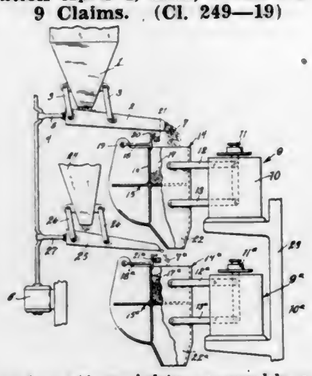
1. In an embroidering machine, a pattern bar, a hollow frame of substantially the contour of a hose secured to said bar, and a pair of spaced rounded fingers projecting from said frame adjacent to the toe terminal of said frame adapted to receive therebetween the slack of the toe portion of a hose mounted upon said frame.

2,141,295
COVER FOR MANIFOLD BOOKS
Oran M. Delesdernier, Waltham, Mass.
Application October 15, 1936, Serial No. 105,740
4 Claims. (Cl. 281—36)



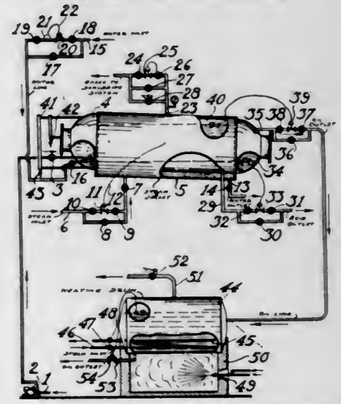
1. A cover of the character described comprising a pair of leaves connected by a hinge, each of said leaves having its hinged portion provided with three knuckles spaced apart to afford two spaces and said hinge comprising an elongated narrow strip member having each longitudinal edge provided with knuckles, similar in size and arrangement to the knuckles on said leaves, a pair of knuckled links and pins for connecting each side of said member to one of said leaves for permitting said leaves to be opened and turned into flat engagement with each other, said links being sufficiently short to hold the longitudinal edges of said member close to the hinged portions of said leaves to form a closed hinge.

2,141,296
WEIGHING MACHINE
John L. Ferguson, Joliet, Ill., assignor to J. L. Ferguson Company, Chicago, Ill., a corporation of Illinois
Application April 4, 1935, Serial No. 14,580
9 Claims. (Cl. 249—19)



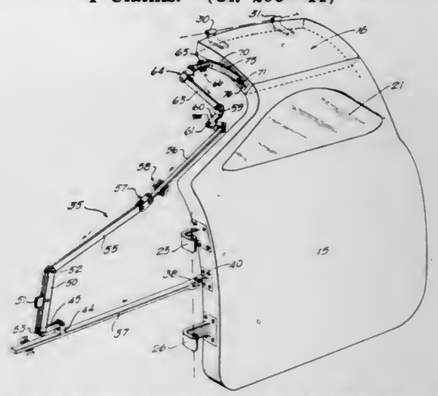
1. An automatic weighing assembly comprising a plurality of independently operable weight responsive units in series relation, each unit being of the multichamber type and adapted during the discharge of a chamber filled to predetermined weight to present another chamber for resumption of the weighing cycle, said units being constructed and arranged to serially advance a progressively increasing weight of material, and means for delivering continuous streams of material to each unit to progressively increase the weight advanced by consecutive units, the first stream being of comparatively large volume flow, and each succeeding stream being of materially less volume than the first stream.

2,141,297
PROCESS FOR RECOVERING OIL FROM PETROLEUM ACID SLUDGE
Paul J. Harrington, Fanwood, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 11, 1934, Serial No. 756,956
4 Claims. (Cl. 196—148)



1. In a process of treating petroleum oil containing residual sulphuric acid and obtained from an acid sludge, by means of heat treatment with water, the step which comprises subjecting the separated oil to an elevated temperature of from 150° to 450° F. and a superatmospheric pressure of not less than 25 pounds per square inch and separately withdrawing water vapor, sulfur dioxide gas and oil.

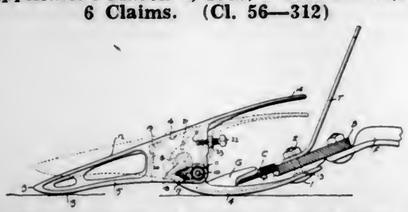
2,141,298
VEHICLE DOOR CONSTRUCTION
Rust Heinz, Pasadena, Calif.
Application March 16, 1937, Serial No. 131,192
4 Claims. (Cl. 296—44)



1. In a closed vehicle body, a doorway including as the upper part thereof a roof opening, means for opening and closing said doorway including a lower door and an upper door, frame members in the body, hinge members connecting one edge of the lower door to one side of the doorway and hinge members connecting the top of the upper door to the top of the doorway,

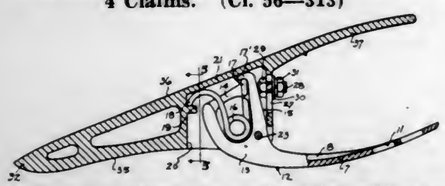
and means for automatically operating the upper door in unison with and by virtue of operation of the lower door, including: a slot in one side of the top door, an arm cooperating with said slot to open and close said door, and links operatively connected at one end to said arm and pivotally connected at the other end to the hinged edge of the lower door; said links being slidably mounted on the frame members, enclosed within the body wall and laterally removed from the doorway.

2,141,299
CROP LIFTER
Horace D. Hume and James E. Love, Garfield, Wash., assignors to Hume-Love Company, Garfield, Wash., a corporation
Application March 4, 1936, Serial No. 66,993
6 Claims. (Cl. 56—312)



1. The combination with a supporting shoe having a hollow approximately V-shaped head, of a finger bar having a housing fitted over the head and pivotally supported thereon, a spring mounted in the V-shaped head, means for anchoring the respective ends of the spring to the head and to the housing, and a set bolt mounted in a wall of the housing for engagement with the head.

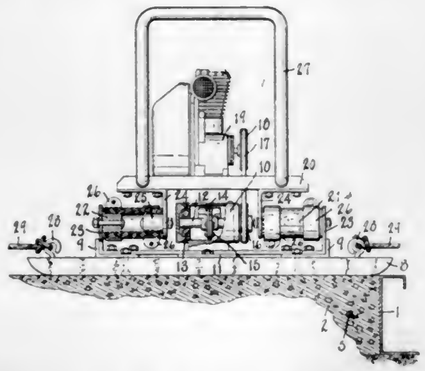
2,141,300
CROP LIFTER
Horace D. Hume and James E. Love, Garfield, Wash., assignors to Hume-Love Company, Garfield, Wash., a corporation
Application January 18, 1937, Serial No. 121,087
4 Claims. (Cl. 56—313)



1. In a crop lifter, the combination with a runner having an upturned, recessed-head having a rear flat face, a finger bar having a housing fitted over said head, said housing having an upright slotted rear wall, a pivot bolt passing transversely through the lower part of said head and the lower part of the side walls of said housing, and a spring mounted in the recessed-head having its ends anchored respectively to the head and housing, of a bolt mounted in a slot in the slotted rear wall and slidable toward and away from the pivot bolt, a head on the bolt within the housing in frictional contact with said face, and a clamp nut on the bolt exterior of said slotted rear wall.

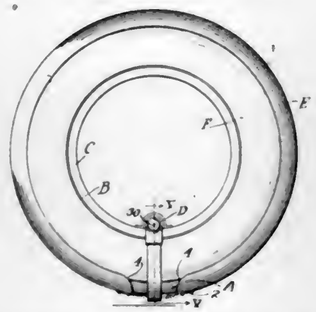
2,141,301
CONCRETE WORKING MACHINE
Corwill Jackson, Ludington, Mich.
Application June 29, 1936, Serial No. 87,851
11 Claims. (Cl. 94—48)

1. In a machine of the class described, the combination of shoes disposed in spaced parallel relation to straddle a pavement joint, cross members connecting said shoes, a vibrating member comprising a housing provided with a base mounted on said shoes centrally thereof, a shaft mounted in said housing in parallel relation to said shoes and provided with an unbalancing weight, said shaft being centrally disposed relative to said shoes, a motor, a motor base, op-



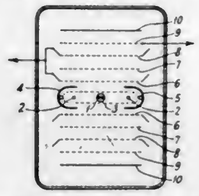
posed supports for said motor base disposed in alinement with said shaft and comprising tubular members of resilient material mounted at their outer ends on said shoe cross members, said motor base being mounted on the inner ends of said supports, a driving connection for said motor to said shaft, opposed upwardly diverging handles on said motor base, and propelling means at each end of said shoes.

2,141,302
TIRE COVER LOCK
Herbert S. Jandus, Detroit, Mich., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application November 26, 1930, Serial No. 498,215
Renewed September 13, 1934
7 Claims. (Cl. 150—54)



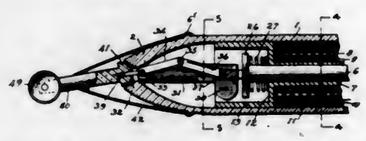
4. In combination with a tire and an automobile having a tire carrier on which the tire is locked, a tire cover comprising a split ring like member covering a major portion of the periphery of the tire, toggle mechanism for connecting the ends of said member and including an actuating member, and means permanently connected to the automobile and cooperating with said actuating member for preventing unauthorized access thereto.

2,141,303
ELECTRIC DISCHARGE TUBE
Johan Lodewijk Hendrik Jonker, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application February 26, 1937, Serial No. 127,815
In the Netherlands March 9, 1936
3 Claims. (Cl. 250—27.5)



3. An electron discharge device having a cathode, a pair of auxiliary anodes disposed on opposite sides of said cathode, a control grid provided with oppositely disposed side rods adjacent said auxiliary anodes and surrounding said cathode and auxiliary anodes, a screen grid, a second control grid and an anode, and U-shaped solid sheet metal shields secured to said side rods and shielding said auxiliary anodes from all of said electrodes except said cathode and first control grid.

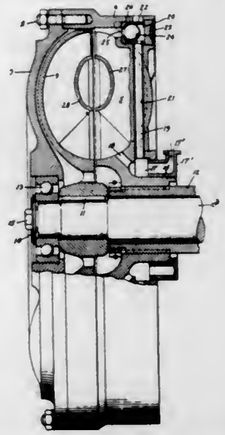
2,141,304
DENTAL VIBRATOR
John P. Kirwan and Bernard Jackson, Winnipeg, Manitoba, Canada
Application May 25, 1936, Serial No. 81,577
5 Claims. (Cl. 128—52)



4. A dental vibrator having a pivotally mounted shank which will be vibrated in a single plane, a tool extending laterally from the shank and vibrated by the shank with the longitudinal axis of the tool being in said plane, a turnable mounting for the tool on the shank and rotatable on the shank and about the longitudinal axis of said shank so that said tool axis may be changed to an angular position relative to the single plane and to its former position, and means for vibrating the shank.

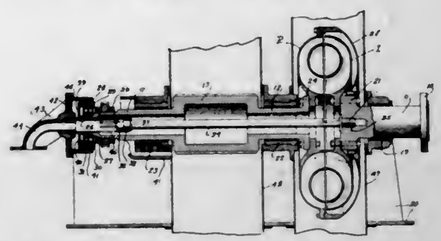
2,141,305
HYDRAULIC COUPLING
Ludwig Kösters, Berlin-Lichterfelde, Germany, assignor to General Electric Company, a corporation of New York
Application October 27, 1937, Serial No. 171,299
In Germany November 19, 1936
3 Claims. (Cl. 60—54)

1. In a hydraulic coupling including a casing mounted for rotation, a pump wheel mounted in and attached to said casing and a turbine wheel mounted in said casing and spaced from said pump wheel for rotation relatively to said casing and said pump wheel, the combination of a supply chamber in said casing, a channel leading from said supply chamber to the space between said turbine and pump wheels, and a valve for regulating the escape of fluid flowing from the space between said wheels, said valve including a valve chamber, a connection from said casing to said valve chamber and to the outside of said casing, a spherical valve member loosely mounted in said valve chamber for moving horizontally independently of the centrifugal force created by the rotation of said casing for regulating the flow of fluid from said casing through said valve chamber to the outside of said cas-



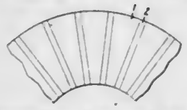
ing, and a connection from said supply chamber to said valve chamber providing for supply fluid to urge said valve member to close the fluid escape channels in response to the pressure of said supply fluid whereby the escape of fluid from said casing is solely responsive to the difference in pressures between said casing and supply fluids.

2,141,306
POWER TRANSMISSION ASSEMBLY
Austin Kuhns and Emil R. Gasser, Buffalo, N. Y., assignors to Farrel-Birmingham Company, Incorporated, Buffalo, N. Y., a corporation of Connecticut
Application June 4, 1937, Serial No. 146,448
5 Claims. (Cl. 60—54)



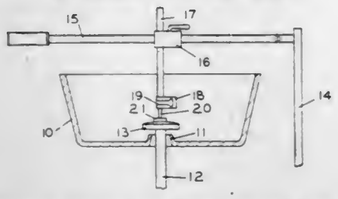
1. In a power transmission assembly of the class described, the combination of a hydraulic clutch structure comprising an impeller element and a runner element axially opposed, a drive shaft for said impeller element, a hollow shaft structure for said runner element, a thrust linkage extending through said hollow shaft structure and anchored at its inner end to said driving shaft, an abutment at the outer end of said linkage, an anti-friction bearing mounted on and surrounding the outer end of said hollow shaft to be engaged by said abutment, said bearing permitting relative rotational movement of said impeller and runner elements and said linkage taking up the axial thrust of the impeller element caused by hydraulic fluid pressure.

2,141,307
COMMUTATOR
Henry T. Lang, Cleveland, and Ralph E. Dunbar, East Cleveland, Ohio, assignors to Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio, a corporation of New York
Application September 10, 1937, Serial No. 163,278
8 Claims. (Cl. 171—320)



5. A commutator having segments held in spaced relation and insulated from each other by pressboard made from cellulose having the properties of mechanically hydrated cellulose.

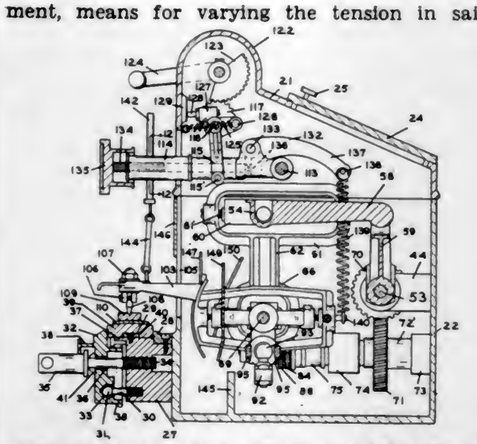
2,141,308
LENS SURFACING MACHINE
Joseph J. McCabe, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application November 5, 1936, Serial No. 109,383
3 Claims. (Cl. 51—124)



3. A lens surfacing machine comprising a grinding lap, means for rotating the grinding lap, a work holder adapted to be held eccentrically against said lap and means for applying pressure to said work holder, said means comprising a pressure arm extending over said lap, a spindle secured to said arm and projecting downwardly therefrom toward said lap, a member secured to the lower end of said spindle having a free resilient portion extending substantially perpendicular to the spindle in the direction of rotation of said lap, and a point secured to said resilient portion and extending downwardly substantially perpendicular to said portion to engage the work holder.

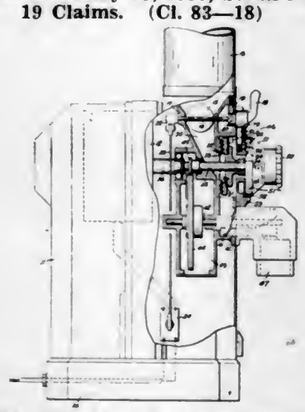
2,141,309
LENS SURFACING MACHINE
Joseph J. McCabe, Rochester, and George C. Schelling, Irondequoit, N. Y., assignors to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application January 11, 1937, Serial No. 119,920
6 Claims. (Cl. 51—160)

3. In a lens grinding and polishing machine, a housing having an opening in one wall, a grinding element, a lens holding element, means for moving one of said elements relative to the other comprising a frame pivotally mounted in said housing, a second frame pivotally mounted on said first frame with its axis perpendicular to that of the first frame, a lever pivotally mounted on said second frame for movement about axes parallel to the axis of said two frames and having one end extending through said opening, means on said one end of said lever for engaging one of said elements, a spring within said housing and secured to the other end of said lever for causing said lever to press said elements into engagement, means for varying the tension in said



spring and means for oscillating said first frame and said second frame about their axes.

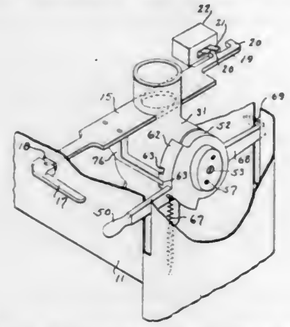
2,141,310
COFFEE MILL
David A. Meeker, Troy, Ohio, assignor to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio
Application February 13, 1935, Serial No. 6,348
19 Claims. (Cl. 83—18)



1. A coffee mill of the character described comprising a housing, a motor, grinding means driven by said motor and located within said housing, grade selector means for said grinding means adjustable from a non-grinding position to a plurality of grinding positions, resilient means effective to move said grade selector means to non-grinding position, releasable means inaccessible within said mill for retaining said grade selector means in any selected grinding position against return movement, and reset means accessible from outside said casing for releasing said retaining means to provide for the readjustment of said grade selector means.

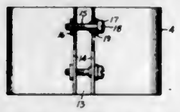
2,141,311
FOOD HANDLING APPARATUS
David A. Meeker, Troy, Ohio, assignor to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio
Application February 13, 1935, Serial No. 6,349
17 Claims. (Cl. 83—18)

1. A coffee mill of the character described comprising grinding burrs, a motor for operating one of said burrs to effect a grinding operation, grade selector means for said grinding burrs adjustable from a non-grinding position to a plurality of grinding positions, means effective to move said grade selector means to non-grinding position, means for releasably holding said grade selector



means in any predetermined grinding position, motor control means, and means operative in response to actuation of said motor control means to stop the motor for releasing said holding means to provide for the return of said grade selector means to non-grinding position under the action of said moving means.

2,141,312
ELECTRIC DISCHARGE DEVICE
Chuji Miyauchi, Tokyo, Japan, assignor to General Electric Company, a corporation of New York
Application May 1, 1935, Serial No. 19,281
In Japan May 25, 1934
9 Claims. (Cl. 250—27.5)

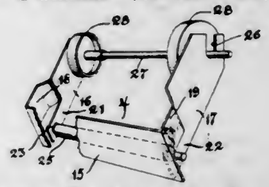


1. An electrical discharge device comprising an envelope terminating in a stem, electrodes in said envelope, a support for one of said electrodes including a collar which embraces said stem, said collar being provided with a longitudinal gap whereby the collar is perimetrically incomplete, and insulated means for securing said collar to said stem.

2,141,313
WATERPROOF STARCH-BASE ADHESIVE
George H. Osgood and Russell G. Peterson, Tacoma, Wash.; said Peterson assignor to said Osgood
No Drawing. Application November 26, 1934, Serial No. 754,834
2 Claims. (Cl. 134—23.3)

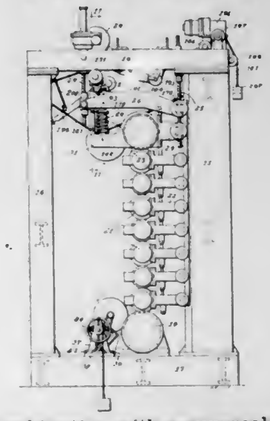
1. A composition having glue characteristics for joining wood plies with the application of pressure and heat, comprising water, comminuted unconverted starch, a partially condensed mixture of an aldehyde resistant to dissipation and a substance adapted to be condensed therewith, said aldehyde being in excess of said substance, and being available for reaction on said starch, zinc chloride in an amount equal to about 15% of the weight of said starch, zinc sulphate in an amount equal to about 10% of the weight of said starch, and a colloid in colloidal solution in said water physically to stabilize said composition, said composition having a pH corresponding to non-alkalinity and being non-settling and of a consistency capable of being continuously fed mechanically from a large source thereof to applying rolls, of being spread evenly on said plies by said rolls, and of developing glue characteristics when simultaneously pressed and heated between said plies.

2,141,314
PAPER ROLL HOLDER
Joseph Pfleger and Marius Marrapese, Cleveland, Ohio
Application June 16, 1937, Serial No. 148,554
4 Claims. (Cl. 242—55.2)



1. A housing for a paper roll comprising a member of sheet material providing a back and side walls, a member of sheet material providing a cover section over the top and front areas of said first-named member, and a combined bracing and roll supporting member, the roll supporting member being formed with a central portion serving as a bracing member connected to the forward free ends of said first-named member adjacent the lower portion thereof and having inwardly extending arms displaced inwardly from said side walls, and means on said extending arms to cooperate with a paper roll supporting roller.

2,141,315
UNWINDER AND WINDER MECHANISM FOR PAPER MACHINERY
Charles P. Putnam, Lockhaven, Pa., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
Application September 27, 1934, Serial No. 745,659
37 Claims. (Cl. 92—73)



1. In combination with a supercalender having upper and lower rolls, of winding and unwinding mechanism comprising rotatably supported frames adjacent said calender rolls, means on each of said frames for rotatably supporting a roll of paper in surface contact with the adjacent calender roll for the transfer of a paper sheet therebetween, means for charging a roll of paper into one of said frames to supply paper

to the supercalender, and means to discharge the wound rolls of paper from the other frame.

12. The combination in a paper working machine having a paper working roll, of unwinding mechanism comprising a shaft positioned to one side of the vertical center line of said paper working roll, a pair of depending arms on said shaft for supporting a roll of paper to be fed to said machine, weights arranged to urge the roll of paper against the paper working roll to maintain said roll of paper in surface contact with said paper working roll to transfer the sheet of paper between the rolls in the area of contact, the roll of paper being driven through said contact, means for automatically and progressively varying the effect of the weights upon the roll during the unwinding of a roll to regulate the pressure between the roll of paper and the paper working roll.

2,141,316

ARC WELDING FLUX

Arnold Mitchell Roberts, Flixton, England, assignor to General Electric Company, a corporation of New York

No Drawing. Application December 14, 1936, Serial No. 115,882. In Great Britain January 8, 1936

2 Claims. (Cl. 219—8)

1. A flux for use in arc welding having substantially the following composition by weight:

	Per cent
Siliceous clay	25 to 60
Manganese dioxide	75 to 40

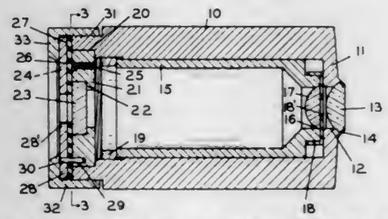
2,141,317

LENS MOUNT

John C. Sabel, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application February 8, 1937, Serial No. 124,561

5 Claims. (Cl. 88—57)



1. In a device of the character described, a lens' tube having a cylindrical bore, a cylindrical seating member loosely mounted within said bore, a cylindrical lens carried by said seating member, said member having a deep slot adjacent one edge thereof and perpendicular to the cylinder axis of said lens, and a screw threaded into said member at said slot and having a tapered head engaging the sides of said slot to spread it so that the member will tightly engage the bore.

2,141,318

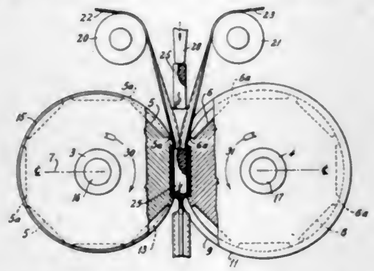
RUBBER CONTAINER MANUFACTURE

Leroy L. Salfisberg, South Orange, N. J., assignor to Ivers-Lee Company, Newark, N. J., a corporation of Delaware

Application January 19, 1937. Serial No. 121,265

2 Claims. (Cl. 18—56)

1. The method of packaging articles in material capable of being softened under heat, consisting in continuously feeding strips of said material in opposed relation to each other, pressing small areas of longitudinal zones of said strips into contact with each other progressively longitudinally of the strips, pressing said strips together periodically along spaced zones transverse of the strips, heating the contacting portions of said strips in the longitudinal zones and said transverse zones while they are being pressed together to form longitudinal and transverse seals



respectively and maintaining the other portions of the strips spaced from each other and free from heat and pressure, and depositing an article between said strips subsequently to the formation of one transverse seal and prior to the formation of the next following transverse seal to form a chain of hermetically sealed packages each containing an article.

2,141,319

SIMPLIFIED STRUCTURE FOR DRIVING SPINNING BLADES

Takeo Sato, Tokyo, Japan, assignor to General Electric Company, a corporation of New York

Application April 7, 1936, Serial No. 73,118

In Japan July 9, 1935

4 Claims. (Cl. 172—120)



1. A device for driving a spinning blade or the like including a dynamo-electric machine having a stationary member and a rotatable member arranged to rotate the spinning blade, said rotatable member having a laminated core provided with slots therein, a clutch arranged to support the spinning blade, and a cast winding having an end ring arranged on each end of said laminated core and conductors in said slots of said laminated core formed integral with said end rings, one of said end rings being provided with grooves arranged to cooperate with said clutch to secure said clutch to said laminated core.

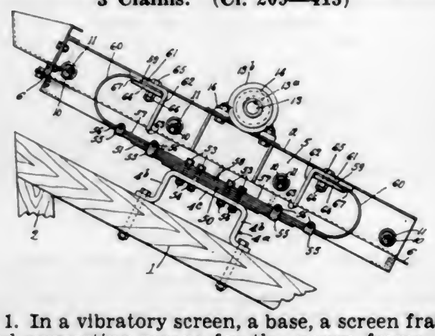
2,141,320

VIBRATING SCREEN SPRING

Harry L. Strube, Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill., a corporation of Illinois

Application August 8, 1936, Serial No. 94,951

3 Claims. (Cl. 209—415)



1. In a vibratory screen, a base, a screen frame, and supporting means for the screen frame, including leaf springs interposed between the screen frame and the base, each said leaf spring including a longitudinally extending body portion and recurved leaf ends, including portions generally parallel with the leaf spring and means for attaching said parallel portions to the screen frame.

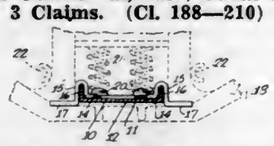
2,141,321

BRAKE BEAM SUPPORT

Harry C. Taylor, Hammond, Ind.

Application October 22, 1937, Serial No. 170,429

3 Claims. (Cl. 188—210)



1. A brake beam support for a railway car having a spring plank, comprising a body portion adapted to lie on said spring plank and be held in position by the weight of the car, and a substantially horizontal supporting arm, said body portion having means for positioning the ends of the springs of the railway car.

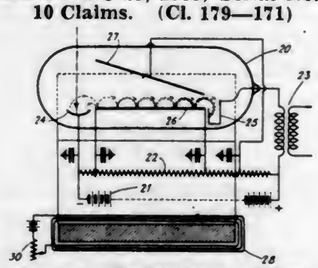
2,141,322

CASCADED SECONDARY ELECTRON EMITTER AMPLIFIER

Harry C. Thompson, Montclair, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application June 25, 1935, Serial No. 28,227

10 Claims. (Cl. 179—171)



3. An electron discharge amplifier comprising an electron emitting cathode, a surface having a plurality of regions, each constructed to emit impact electrons in a ratio greater than unity, a unipotential accelerating electrode extending longitudinally of and set at an acute angle to said surface for producing an electrostatic field having a component normal to said surface and a magnetic field parallel to said surface and transverse a straight line through said regions for directing the electron flow from said cathode to a region of said surface and directing substantially all the resultant flow of impact electrons from each of said regions to another region until the desired amplification is obtained, and an output electrode for collecting the amplified flow.

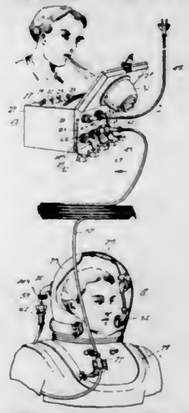
2,141,323

SIGNALING APPARATUS

Fiorentino G. Troisi, Pittsburgh, Pa.

Application December 3, 1936, Serial No. 114,012

20 Claims. (Cl. 179—1)



1. A system of communication between a central station and a plurality of distributed stations comprising a sound conversion unit at each distributed station and at said central station, switching means individual to each distributed station providing for the transmission of a message from any one of said distributed stations to any other of said distributed stations and switching means associated with said central station providing for the reception of said messages by said central station and for the transmission of a message from said central station to said distributed stations, the last said switching means operating to permit the transmission of a message to said distributed stations when the switching means individual to said distributed stations is either in the transmitting or receiving position.

2,141,324

BOX

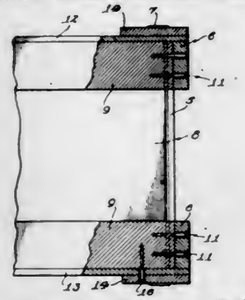
Alwin W. D. Weis, Quincy, Ill., assignor to Central Fibre Products Company, Incorporated, Chicago, Ill., a corporation of Delaware

Application February 17, 1937, Serial No. 126,130

2 Claims. (Cl. 217—36)

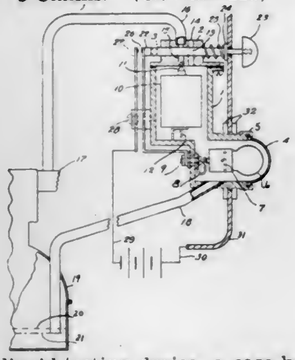
1. A Dozier style box including preformed top, bottom, side and end wall units for assembly at the point of use, the preformed side and end wall units being in sets and including cleats fixed horizontally of the units, the cleats on one set of said walls extending beyond the ends thereof whereby the cleats on said one set of said walls when assembled overlap the ends of the cleats on the other set of said walls, said overlapping cleats having staggered nail guide openings therethrough in the extended ends thereof, and cement coated, headed nails extending

through said openings with the coated ends thereof embedded in the ends of said overlapped cleats and the heads thereof substantially flush with the outer surface of said overlapping cleats at the openings therethrough, said openings being of a diameter approximately equal to the diameter of the outer surface of said coating and of



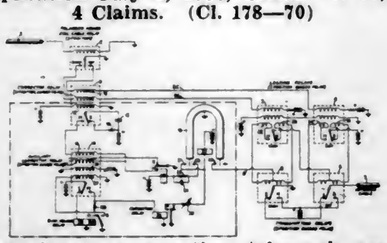
less diameter than the diameter of the heads of the nails whereby when said coated nails are inserted into said openings and driven into the overlapped cleats they will be effectively guided straight into staggered points of the overlapped cleats and the coating on the ends of the nails will enter the overlapped cleats cementing the ends of the nails therein and without the coating being scraped off the ends of the nails by the overlapping cleats.

2,141,325
LIQUID LEVEL INDICATING DEVICE
John F. Werder, Lakewood, Ohio
Application August 31, 1937, Serial No. 161,804
5 Claims. (Cl. 116—118)



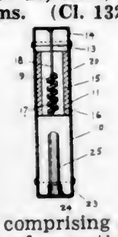
1. In a liquid testing device, a case having two ports in the top thereof and in direct communication with the inside of said case, float valve means located inside said case for closing one of said ports, tubular means extending from and having open communication with the bottom of said case to liquid in a reservoir, a transparent window in the wall of said case, a source of vacuum, tubular means extending from and having open communication with the float controlled port to the vacuum source and manually operated valve means so disposed that when said manual valve is in one position, communication is established between said vacuum source and said float controlled port while said other port is closed to atmosphere so that liquid will be drawn into said case until said float rises and closes said float controlled port, and when said manual valve is in another position said communication to vacuum source is closed and said other port is opened to the atmosphere permitting liquid to drain out of case and return to said reservoir.

2,141,326
TELEGRAPH REGENERATING SYSTEM
Marion H. Woodward, Arlington, Va., assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application July 1, 1936, Serial No. 88,367
4 Claims. (Cl. 178—70)



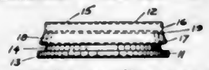
1. A signal regenerating telegraph repeater comprising an incoming relay, a vibratory timing device, a signal retransmitting relay and connections for controlling the position of said retransmitting relay from said incoming relay and for controlling the exact time at which such position shall become effective from said vibratory timing device, in combination with corrector means for determining the phase difference between the motions of said incoming relay and said vibratory device and correcting means having a predetermined interval of operation, controlled by said corrector means for applying to said vibratory device a phase correction of fixed amount.

2,141,327
VANITY CASE
James L. Younghusband, Chicago, Ill.
Application October 18, 1937, Serial No. 169,571
7 Claims. (Cl. 132—79)



7. A vanity case comprising a container having an open top, a cake of cosmetic material attached to the inner walls of said container and having a hollow portion, a removable cap for the open top of said container, and a brush attached to said cap, said brush being smaller in cross section than the lateral extent of said hollow portion so that said brush when not in use extends into said hollow portion without touching and picking up any of the cosmetic material on the walls of the container, said brush adapted upon removal of the cap from the container to enter the open end of the container and to contact and pick up thereon the correct and small amount of mascara from the inner walls desired by the user.

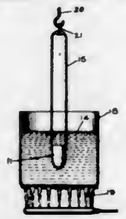
2,141,328
VANITY CASE
James L. Younghusband, Chicago, Ill.
Application February 21, 1938, Serial No. 191,670
4 Claims. (Cl. 132—82)



1. A flat, thin, light vanity case for holding a plurality of liquid saturated cleansing pads com-

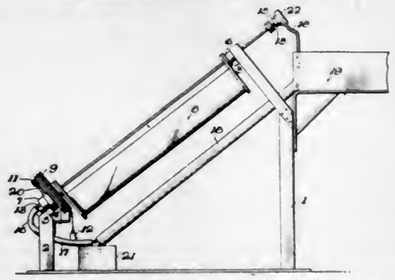
prising a plastic body member, and a metal cap adapted to fit said body member and form a seal thereon at the time of the original fitting to protect the pads from exposure to the air and evaporation of the liquid therein, said plastic body member inherently adapted to expand from contact with the liquid in said cleaning pads while said metal cap is not influenced by said pads and does not expand, said plastic body member having a base and walls extending upwardly and slightly inwardly from said base to have smaller measurements across the top of said walls than at their base, so that as said body member expands said cap may still fit said body member at higher points on said walls to still form a seal.

2,141,329
VISCOSITY CUP
Erwin A. Zahn, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application December 16, 1936, Serial No. 116,144
2 Claims. (Cl. 265—11)



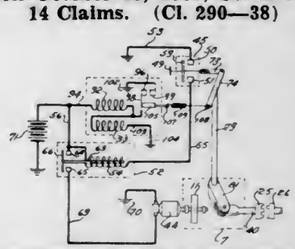
1. A viscosimeter comprising in combination a bullet-shaped cup having an orifice in the bottom thereof, a handle attached to said cup for suspending it in a liquid, the viscosity of which is to be determined, and a lifting ring movably attached to said handle for providing free vertical suspension of the cup.

2,141,330
SOLAR DISTILLING APPARATUS
Charles Greeley Abbot, Washington, D. C.
Application March 15, 1937, Serial No. 131,050
5 Claims. (Cl. 202—180)



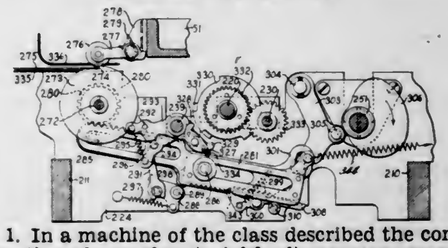
1. In a solar distilling apparatus, a vaporizer for a liquid to be distilled which includes a ray-concentrator for concentrating solar rays upon a linear focus and a ray-absorber-tube lying in said focus to receive concentrated solar rays from said ray-concentrator, said ray-concentrator and ray-absorber-tube being so mounted as to dispose their axes approximately parallel to the earth's axis, and means for rotating said concentrator about said linear focus as an axis, means for supplying liquid to said vaporizer including a container for the liquid and means of communication between said container and the lower end of said ray-absorber-tube, a condensing means in heat interchanging relation with liquid in said supplying means for condensing vapor from said ray-absorber-tube, means of communication between the upper end of said ray-absorber-tube and said condensing means and extending above the level of the liquid in said container and said ray-absorber-tube whereby only vapor formed in said ray-absorber-tube may rise into said condensing means to be condensed therein, said supplying and condensing means including a portion extending adjacent to and in compact relation with said ray-concentrator, and a receptacle for condensate in communication with the outlet of said condenser tube.

2,141,331
ENGINE STARTING APPARATUS
Joseph W. Allen, East Orange, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application October 13, 1930, Serial No. 488,495
14 Claims. (Cl. 290—38)



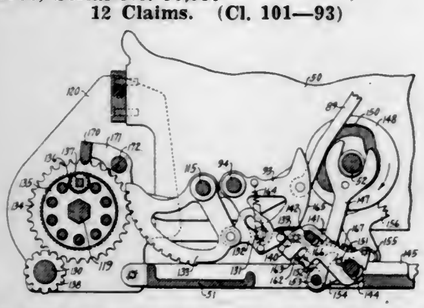
1. In combination with engine starting apparatus of the type wherein a rotatable inertia member is first actuated in order to store energy therein and subsequently connected to a rotatable member of the engine to be started, means for rotating said inertia member to store energy therein, means including a normally open switch for supplying ignition current to the engine during starting, and means for electrically controlling said rotating means and mechanically holding the ignition current switch open, and means for connecting the inertia member to the engine member at the will of the operator and by the same action with drawing said holding means, whereby the stored energy and the ignition current are effective to start the engine.

2,141,332
CASH REGISTER
Charles H. Arnold, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application June 16, 1934, Serial No. 730,880
43 Claims. (Cl. 197—127)



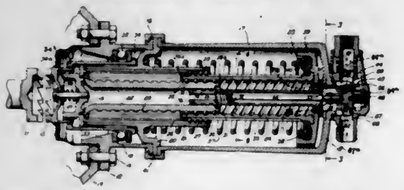
1. In a machine of the class described the combination of record material feeding means; means to actuate the feeding means; means to drive the actuating means; means to retain the actuating means in moved position; means to retain the driving means in moved position; and means to selectively control the effectiveness of each of the retaining means.

2,141,333
CASH REGISTER
Charles H. Arnold, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Original application June 16, 1934, Serial No. 730,880. Divided and this application July 11, 1936, Serial No. 90,050
12 Claims. (Cl. 101—93)



1. In a machine of the class described, the combination of type carriers; differential means to position the type carriers; means including a segmental gear to transmit the movement of the differential means to the type carriers; an element connecting the segmental gear to the differential means; and means shifted into engagement with the element under control of the differential means and operable when shifted to move the element and the segmental gear to position the type carriers independently of the differential means.

2,141,334
ENGINE STARTING MECHANISM
Howard Baer, Jersey City, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application April 1, 1937, Serial No. 134,409
13 Claims. (Cl. 121—37)



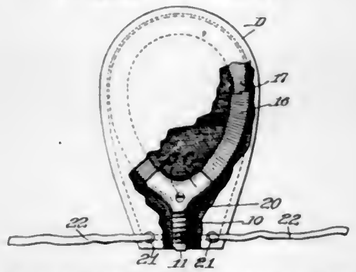
2. In an engine starter the combination, with a housing, of a piston adapted for axial advance within said housing, helical means associated with the piston to produce rotary motion from said advance, an engine engaging member rotatable by said rotary motion, and means for moving said engine engaging member longitudinally but independently of said piston, said last named means and said piston being disposed so that the actuating fluid first acts upon said moving means and exerts engagement maintaining pressure thereupon during the entire axial advance of the piston, there being only a portion of the normal operating surface of the piston exposed to said actuating fluid at the beginning of the engine engaging operation, and means integral with said piston housing for initially closing off the remaining portion of the normal operating surface of said piston from the path of the actuating fluid which is acting upon said moving means to move the engine engaging member longitudinally independently of movement of said piston.

2,141,335
POLISHING MOP
Warren G. Bailey, Evanston, Ill., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill., a corporation
Application September 13, 1937, Serial No. 163,668
1 Claim. (Cl. 15—229)



A polishing mop comprising: a handle, a twisted-wire strand-supporting frame secured thereto, said frame having its end portions curved to form two members spaced apart, the two members being integrally connected by said curved end portions; wax-applying strands secured to one only of said members and to said curved end portions, said strands being supported so as to form a body of substantially circular cross-section, and the other of said members having a portion free of strands but being spaced sufficiently near said strand-bearing member to engage at least a portion of said strand body and urge the same against the floor when the applier is in contact therewith.

2,141,336
MOP
Warren G. Bailey, Evanston, Ill., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill., a corporation
Application October 9, 1937, Serial No. 168,285
2 Claims. (Cl. 15—147)

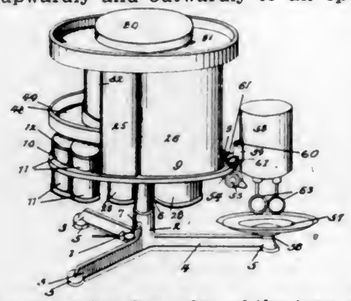


1. In a mop head of the character set forth, a clamping member adapted for attachment to a handle, and a coil spring body in the form of a loop having an intermediate portion secured within said clamping member, said coil spring body having telescoping ends providing a secure union between the ends and a relatively stiff portion on one side of said spring body, the inside diameter of the larger end being substantially the same as the outside diameter of the smaller end.

2,141,337
DISPENSING UNIT
Theodore Bailey, Miami Beach, Fla.
Application October 12, 1936, Serial No. 105,342
2 Claims. (Cl. 259—1)

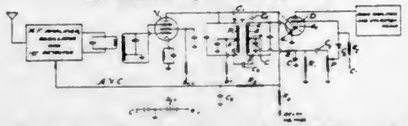
1. A dispensing unit including a supporting base, a column mounted for free rotation in the base, a tray removably fixed to the column above the base, said tray being formed to receive material containers, a portion of the tray being free

of means to receive a container, a pin swingingly supported immediately adjacent the free edge of the tray and within the limits of the free space on the tray, a motor removably supported on the pin and adapted through the pin movement to be moved down into an inoperative position and supported by the free space on the tray or to be moved upwardly and outwardly to an operative



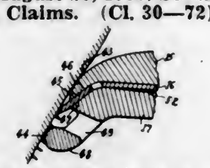
position beyond the free edge of the tray, a mixing tray rotatably mounted in the base, and means for securing the motor in fixed relation to the base in any one of a plurality of positions all of which are within the direct limits of the mixing tray, the container receiving tray being freely rotatable with respect to the base when in any position other than the motor fixing position.

2,141,338
DETECTOR CIRCUIT
Loy E. Barton, Collingswood, N. J., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application May 8, 1937, Serial No. 141,561
12 Claims. (Cl. 250—20)



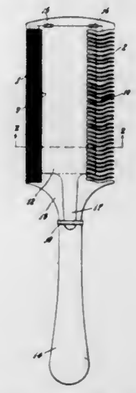
1. In a signaling system, a transformer having a primary winding and a secondary winding, means for tuning said windings to a desired frequency, means for supplying signal energy to part of said primary winding, a diode rectifier connected across part of said secondary winding so as to receive signal energy therefrom, means for deriving rectified signal from the circuit of said rectifier, a second diode rectifier connected to said primary winding, there being a fortuitous capacity coupling introduced between said windings by said diode rectifiers, means providing a low impedance path between intermediate points on said windings, capacitive coupling means between said windings for reducing the effect of said fortuitous coupling, and means for deriving rectified signal from said second diode rectifier.

2,141,339
SAFETY RAZOR
Paul Bauerle, Astoria, Long Island, N. Y.
Application August 26, 1935, Serial No. 37,815
15 Claims. (Cl. 30—72)



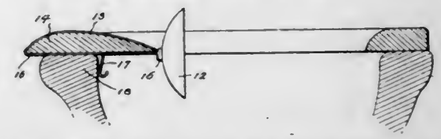
5. A safety razor comprising a cap, a guard, a bar at each of the long edges of said guard, a razor blade between said cap and guard and a handle to draw said cap towards the guard and to bend said blade over said guard, the sharp and burred corners existing at the edges on one surface of said blade being dulled at the location of the bending line of said blade, said cap and guard being formed to bend said razor blade at the dulled corners and at a substantially sharp angle on a line parallel to the cutting edge and removed from the centre line of said razor blade and spaced sections in said guard connecting with each bar and located a distance substantially below the cutting edge of said razor blade to provide space underneath the entire length of the cutting edge and to permit the segregate to pass therethrough during the operation of shaving.

2,141,340
SAFETY HAIR CUTTING APPLIANCE
Henri George Baumgarten, Rotterdam, Netherlands, assignor to N. V. Eau de Colognefabriek Johann Maria Farina, Amsterdam, Netherlands, a corporation of the Netherlands
Application April 2, 1937, Serial No. 134,605
In the Netherlands August 28, 1935
2 Claims. (Cl. 30—30)



1. A safety hair cutting instrument comprising a comb, a cutting blade, said comb comprising two parts, one of said parts being embraced within the other, said parts defining a blade chamber extending partially over the comb teeth so that a cutting edge of the blade will be exposed between the comb teeth and one of said parts being pivotally mounted so as to swing about an axis perpendicular to the plane of said cutting blade.

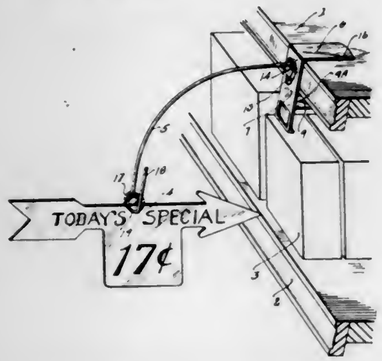
2,141,341
SHIELD FOR TOILET BOWL SEATS
George B. Bentz, New York, N. Y.
Application August 26, 1937, Serial No. 161,144
6 Claims. (Cl. 4—237)



1. A device of the class described comprising a shield for disposition behind the front portion of a toilet bowl seat, a strip to extend across said front portion of the seat, and means securing the rear end of said strip to said shield, the front end

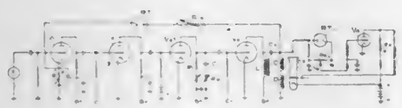
portion of said strip being bent downwardly and then rearwardly to form a hook to yieldably embrace said front portion of the seat.

2,141,342
PORTABLE SIGN
Earl C. Brownell, Pasco, Wash.
Application April 14, 1938, Serial No. 202,067
5 Claims. (Cl. 40—11)



1. A portable sign carrier designed for removable connection with a shelf or the like support, comprising a right angle clamp to removably engage a support, a bent out portion formed in the angle clamp to form a pocket, a rod-like arm having its inner terminal bent at a right angle and bent again upon itself to provide a projection, said projection engaging in the pocket in the clamp and projecting outwardly from the clamp, said arm having a coiled terminal at the end remote from the clamp and provided with means whereby the coil sections of the terminal provide for clamping reception of a sign, and a resilient member on the inside of the clamp adapted to engage a shelf in cooperation with the angle clamp.

2,141,343
ELECTRICAL SYSTEM
Richard L. Campbell, Philadelphia, Pa., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application June 7, 1935, Serial No. 25,517
17 Claims. (Cl. 178—69.5)



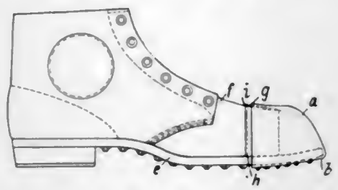
1. In an electrical system, means for forming a pulse signal in response to an input signal of one polarity with respect to a predetermined reference level, a saw-tooth voltage generator, means for supplying said pulse signal to said generator, means for causing said generator to produce a sharp-peak signal, means responsive to said sharp-peak signal for building up a unidirectional voltage of opposite polarity with respect to said reference level, means for combining said built-up voltage with an input signal, and means to dissipate said built-up voltage.

2,141,344
SIGN
Don B. Card, Portland, Oreg.
Application February 23, 1937, Serial No. 127,065
11 Claims. (Cl. 40—33)



1. A sign comprising, symmetrical substantially flat characters selected from the general forms composed of the asymmetric letters of the Roman alphabet associated with the respective reverse forms thereof in symmetrical arrangement and the symmetric letters of the Roman alphabet.

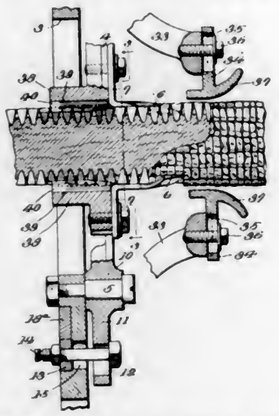
2,141,345
PROTECTIVE MEANS FOR SHOES
Heinrich Cocnen, Kohlscheid, Germany
Application November 22, 1937, Serial No. 175,911
In Germany December 22, 1936
1 Claim. (Cl. 36—2.5)



A shoe provided with a reinforcing and protecting cap, comprising a metallic section formed to embrace the sides, end and upper portion of the toe part of the shoe, the interior dimensions of the cap being somewhat greater than the similar dimensions of the shoe part, the bottom of the cap having inturned flanges to underlie the sole of the shoe, securing means for said flanges engaging the sole of the shoe and maintaining the cap in proper spaced relation to the shoe, and a strip of leather interposed between the rear edge of the cap and the material of the shoe, said strip projecting rearwardly beyond the edge of the cap and extending forwardly of such edge for a sufficient distance to act as a cushion and substantially fill the space between the rear portion of the cap and the shoe, said strip being independently secured to the material of the shoe and free of any connection with the cap.

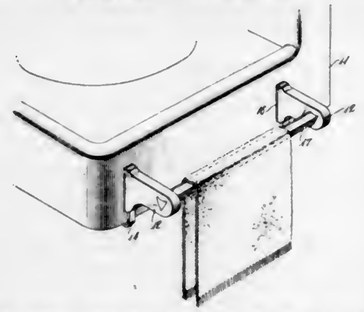
2,141,346
CUTTER HEAD FOR CORN CUTTING MACHINES
Ralph Cover, Westminster, Md.
Application March 3, 1936, Serial No. 66,936
6 Claims. (Cl. 130—9)

1. A cutter head for corn comprising a stationary supporting head plate having an opening therethrough, a plurality of cutting blades independently mounted on said head plate and arranged about the opening and concentric to an axial line along which the axes of the ears are fed, spring means for moving said cutting blades inwardly, gauging elements connected with said blades and movable therewith, said gauging elements being disposed concentric to said axial line and in rear of the cutting blades for engagement with the stumps of the cut kernels, each gauging element being relatively long and thin and having blunt inner edges contacting with the cut kernels, the inner face of the advanced end of each gauging element being inclined gradually inwardly from the front end toward said axial line, said



spring means being of relatively light tension whereby said gauging elements will ride up onto the stumps of the cut kernels and penetrate said stumps to a degree determined by the hardness thereof and thereby gauge the depth of cut.

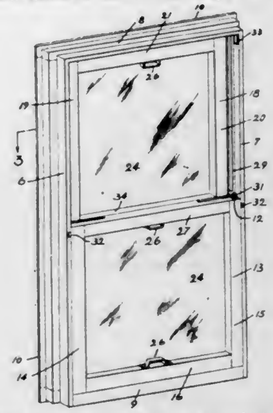
2,141,347
TOWEL RACK
Robert F. Davis, Washington, D. C.
Application March 24, 1936, Serial No. 70,660
4 Claims. (Cl. 211—86)



1. A towel rack suitable for attachment to the apron of a lavatory, bathtub or the like that comprises an elongated towel bar, a supporting member at each end of said bar for holding the bar and spacing it from the surface to which it is to be attached, and a clamp on each supporting member positioned so that it may be passed around the edge of the apron, grasp the apron, and hold the supporting member in place thereon, a substantial portion of the clamp being hidden by the apron when the rack is clamped in place.

2,141,348
REPLACEABLE SASH AND FRAME FOR SAME
Pasquale De Pietro, Woodmere, N. Y.
Application November 27, 1935, Serial No. 51,730
14 Claims. (Cl. 20—55)

1. In combination with the upper and the lower sash of a sliding window, a frame upon which said sliding sashes are tensionally engaged, and round guide means laterally extending from one end of said sashes into runways in said frame,

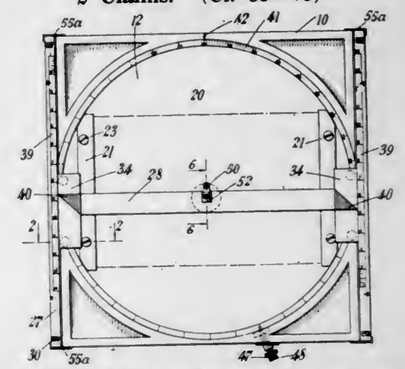


said runways opening at one point frontwardly through said frame.

2,141,349
PROCESS FOR THE RECOVERY OF CARBON DISULPHIDE FROM INDUSTRIAL EFFLUENT WATERS
Alfred Engelhardt, Gonzenheim, near Bad Homburg vor der Hohe, Germany, assignor to Carbo-Norit-Union Verwaltungs-Gesellschaft m. b. H., Frankfort-on-the-Main, Germany, a corporation of Germany
No Drawing. Application December 7, 1937, Serial No. 178,611. In Germany January 28, 1937
4 Claims. (Cl. 23—206)

1. A process for the recovery of carbon disulphide from industrial effluent waters containing the same which comprises blowing the carbon disulphide out of said effluent waters with a gas and extracting the carbon disulphide out of the resulting gas.

2,141,350
DRAWING APPARATUS
William James Evans, Bulwell, Nottingham, England
Application June 2, 1937, Serial No. 146,077
In Great Britain June 5, 1936
2 Claims. (Cl. 33—78)



1. Drawing apparatus comprising in combination a relatively stationary base provided with a recess; a circular paper-receiving turn-table rotatably mounted within said recess, and provided with a central pivot, and a plurality of arcuately

spaced recesses in its peripheral edge; an antifriction bearing carried by the base receiving said pivot; spaced parallel guides mounted on and projecting upwardly from said base above the plane of said turn-table; a straight edge extending across the turn-table, provided with antifriction runners having traveling engagement with the inner sides of said guides, said runners normally retaining the straight edge down upon the face of the turn-table; an adjustable mounting for said guides, whereby they may be laterally adjusted toward and away from each other to permit assembly of the straight edge between, and removal of the same from, said guides; linear scales on the guides; an annular scale at the periphery of the turn-table; a manually operable brake arranged to frictionally engage said turn-table; a manually operable locking pin arranged for engagement in said peripheral recesses of the turn-table to positively lock it in various angular positions; and a running bearing between the under side of said turn-table and the base.

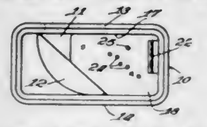
2,141,351

COVER FOR CANS

Albin L. Forsberg, Chicago, and William J. Chambers, Oak Park, Ill., assignors to The Warfield Company, a corporation of Illinois

Application March 4, 1937, Serial No. 129,064

5 Claims. (Cl. 221—62)



1. A container of the character described, including: a body; a top member secured at one end of the body to close the same, said member having a pair of parallel sides and an elongated opening therethrough adapted to receive the bowl of a spoon, said opening being diagonally arranged with respect to said sides and having a length greater than the width of said member; and an apertured closure slidably mounted on said member to move parallel to said sides, said aperture being sufficiently removed from the edge of said closure that said opening may be completely closed upon movement of said closure thereover prior to registration of said aperture therewith.

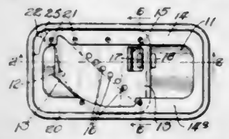
2,141,352

CAN COVER

Albin L. Forsberg, Chicago, and William J. Chambers, Oak Park, Ill., assignors to The Warfield Company, a corporation of Illinois

Application November 19, 1937, Serial No. 175,516

12 Claims. (Cl. 221—62)



1. A container of the character described, including: a body; a top member at one end of the body to close the same, said member having an opening therein; a pair of parallel flanges spaced from said top member and having portions closer to said top member than other portions thereof; and a closure slidably mounted between said top member and said closer portions and adapted to selectively close said opening.

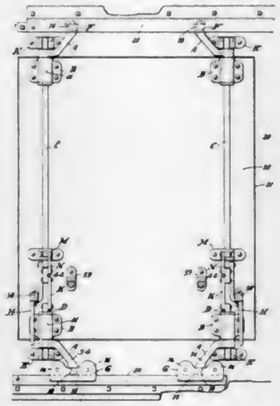
2,141,353

REFRIGERATOR CAR DOOR

Henry Fuchs, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application November 18, 1936, Serial No. 111,371

19 Claims. (Cl. 20—23)



1. In a door construction for refrigerator cars having a wall member provided with a door opening, the combination with a door adapted to close said opening; of swingable means connected to said door for guiding the door into and out of the door opening; displaceable means for forcing said door into the door opening or prying the same out of said opening; and common operating means, operatively connected to both said displaceable means and swingable means, movable in one direction for actuating said displaceable means and movable in another direction for imparting movement to said swingable means.

2,141,354

METHOD OF TREATING PHOTOGRAPHIC FILM

Alan M. Gundelfinger, Los Angeles, Calif., assignor to Cinecolor, Inc., Los Angeles, Calif., a corporation of California

No Drawing. Application April 23, 1937, Serial No. 138,536

8 Claims. (Cl. 95—88)

1. The method of bleaching photographic images which includes treating them with a solution of potassium iodide and then treating them with a solution containing iodine and from 1% to 4% potassium iodide.

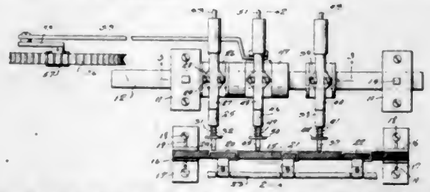
2,141,355

SWITCH FOR TRAFFIC SIGNALS

Joseph N. Klema and Thaddeus S. Thompson, Austin, Minn.

Application May 4, 1937, Serial No. 140,746

5 Claims. (Cl. 200—23)



1. A signal switch comprising a base, a pair of guide members carried by said base, a bar slidably engaging said guide members, a plurality of stationary contacts, a pair of wipers fixed to said bar and disposed in spaced relation, a movable wiper on said bar between said pair of wipers, and reciprocable operating means connected to said movable wiper.

2,141,356

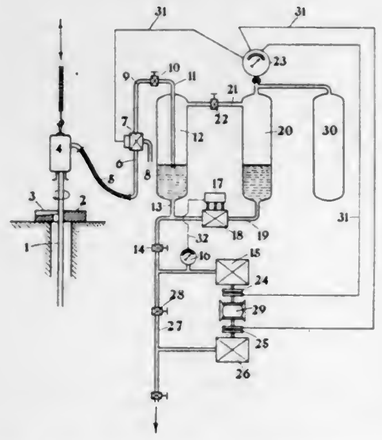
HYDROPNEUMATIC SCAVENGING PUMP REGULATOR FOR DEEP BORING EQUIPMENTS

Friedrich Wilhelm Koerver, Mulheim (Ruhr)-Speldorf, Germany

Application March 30, 1937, Serial No. 133,783

In Germany April 4, 1936

3 Claims. (Cl. 255—24)



1. In well boring equipments provided with means for the circulation of flushing liquid under pump pressure, a hydro-pneumatic control and safety system comprising a container for flushing liquid connected to the conduit extending between the pump equipment and the well boring equipment, the said liquid within the container being subjected to gas pressure, a two-way valve device connected to the said conduit between the container and the well boring equipment and adapted in one position to permit free flow through the conduit and in another position to break the conduit and connect the well boring equipment to a discharge, and means responsive to the pressure of the flushing liquid in the circuit for controlling the operation of the pump equipment and for setting the valve device to break the conduit and open the discharge when the highest permissible pressure of the flushing liquid is exceeded.

2,141,357

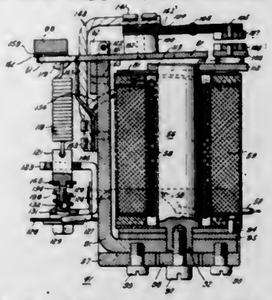
ELECTRICAL APPARATUS

Raymond P. Lansing, Montclair, N. J., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey

Application June 25, 1932, Serial No. 619,329

6 Claims. (Cl. 200—87)

1. In apparatus of the class described, a magnet, a support therefor, an armature pivoted to said support, a pair of weights mounted on said armature on opposite sides of the pivotal axis thereof and tending to maintain equilibrium therein, a removable pivot pin for journaling said armature in said support, and means associated



with one of said weights for yieldably holding said pin against axial displacement.

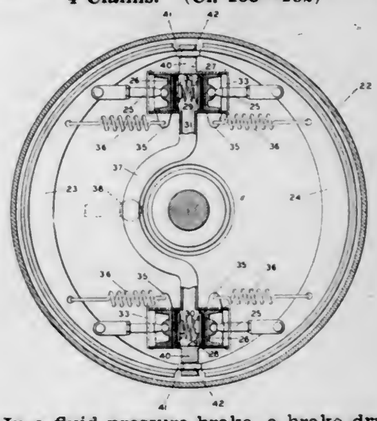
2,141,358

FLUID PRESSURE BRAKE

William A. Meeks, Glendale, N. Y.

Application April 4, 1936, Serial No. 72,788

4 Claims. (Cl. 188—152)



1. In a fluid pressure brake, a brake drum, an axle centrally disposed with respect to said brake drum, a pair of oppositely disposed brake shoes inside said brake drum, a pair of cylinders respectively mounted between said brake shoes on opposite sides of said axle, a pair of oppositely disposed pistons in each of said cylinders, means for respectively transmitting the forces of said pistons to said oppositely disposed brake shoes at points equidistant from the centers thereof, the walls of said cylinders having a connecting part cast integral therewith extending around said axle, said connecting part having a passage communicating with both of said cylinders and provided with a single inlet whereby the same pressure is transmitted to all four of said pistons, the wall thicknesses of said cylinders and said connecting part being substantially uniform and substantially equal, said integral casting eliminating joints and consequent leakage between said connecting part and said cylinders.

2,141,359

LAWN MOWER SHARPENER

Samuel A. McKittrick, Sandusky, Ohio

Application October 18, 1937, Serial No. 169,690

4 Claims. (Cl. 76—82.1)

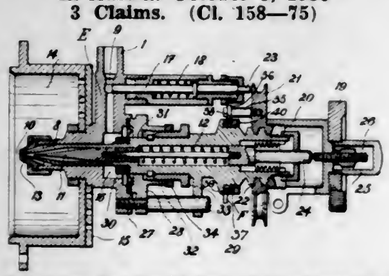
1. A sharpener of the class described comprising a tubular resilient body having a slot, means extended across the body for changing the width of the slot, a sharpening member within the

body and resting at its edges against the body, the sharpening member extending across the slot and being slidably adjustable circumferentially



of the body to vary the angle of said sharpening member, and means for holding the sharpening member in place.

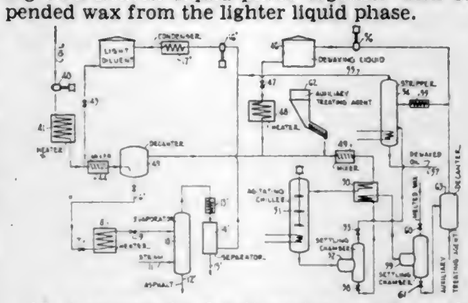
2,141,360
LIQUID FUEL BURNER
Alexander Ottajovits, Vienna, Austria, assignor to Robert Mahler, Vienna, Austria
Application December 18, 1937, Serial No. 180,668
In Austria October 8, 1936
3 Claims. (Cl. 158—75)



1. A burner for liquid fuel of the type in which the fuel is atomized by steam, comprising a steam nozzle and an oil nozzle arranged coaxially, a flexible membrane interconnecting said nozzles and permitting relative endwise movement therebetween, means for adjusting and securing in position said oil nozzle relatively to the steam nozzle, an oil control pin within and coacting with said oil nozzle, means for adjusting said oil control pin, a steam throttling member, means for adjusting said steam throttling member, the two last mentioned adjusting means having at least one common member through which the oil control pin and the steam throttling member may be actuated simultaneously by hand, means acting independently of the adjusting action of said common member for adjusting the oil control pin, the oil nozzle being capable of adjustment with respect to the steam nozzle under the action of the said means for adjusting and securing the oil nozzle in position relatively to the steam nozzle, without modification of the adjustment of the steam throttling member and the oil control pin.

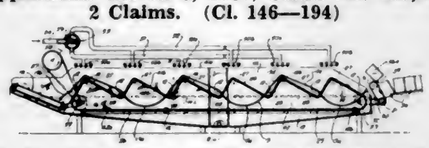
2,141,361
DEWAXING PROCESS
Stanislaw Pilat and Marian Godlewicz, Lwow, Poland, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application April 13, 1937, Serial No. 136,564
In Poland April 21, 1936
18 Claims. (Cl. 196—18)

1. A process for separating wax from hydrocarbon oil containing the same by means of a dewaxing liquid which, at the temperature of the last step of the process, is at least partially immiscible with the oil and has a preferential wetting power for solidified wax sufficient to remove the solidified wax from the oil, comprising the steps of cooling said oil to solidify wax, mingling said cooled solidified wax with said dewaxing liquid, forming two liquid phases of different specific gravities of which the heavier one contains most of the dewaxing liquid and solidified wax suspended therein and the lighter one has a lower specific gravity than the suspension of solid wax in the heavier liquid phase and contains oil substantially free from solidified wax, and separating said heavier liquid phase together with suspended wax from the lighter liquid phase.



15. A process for fractionating wax to produce high melting and low melting wax fractions by means of a liquid having a wetting power for wax and capable of forming two liquid phases when in contact with melted wax at a temperature at which a portion of the initial wax is solid, comprising the steps of forming a suspension of solid wax in said liquid, warming said suspension to melt a relatively lower melting portion of the wax and to leave a relatively higher melting portion of the wax suspended in solid form in said liquid, forming two liquid phases of different specific gravities, of which the heavier one contains most of the said liquid and solid wax in suspension, and the lighter one contains melted wax, and separating said heavier liquid phase together with suspended wax from the lighter liquid phase.

2,141,362
WASHER FOR FRUITS, VEGETABLES, AND THE LIKE
Leland H. Platt and Leland H. Platt, Jr., Los Angeles, Calif.
Application March 5, 1937, Serial No. 129,160
2 Claims. (Cl. 146—194)

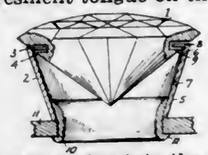


1. In mechanism of the class described, a horizontally extending produce supporting belt anchored against substantial longitudinal movement at points spaced longitudinally along its length and between its ends and normally sagging between adjacent anchor points, a movable belt raising element, and means for moving the said element longitudinally under the belt from end to end, said means acting to move said element in a path below the belt at each anchor point and to raise said element while travelling longitudinally between adjacent anchor points.

2,141,363
JEWELRY SETTING
Louis Rigollet, Paris, France, assignor to Rubel Brothers Limited, London, England
Application February 11, 1938, Serial No. 190,094
In Great Britain February 22, 1937
3 Claims. (Cl. 63—29)

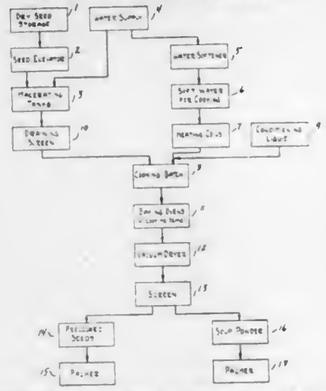
1. Means for setting precious stones and other jewelry comprising a cup to receive the stone,

recesses in the stone, a rigid tongue on one side of the cup, a resilient tongue on the other side of



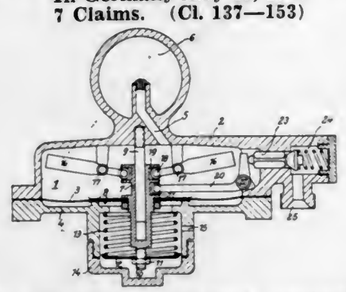
the cup adapted to spring into the other recess in the stone and means for fixing said resilient tongue in position.

2,141,364
PROCESS OF PRECOOKING LEGUMINOUS FOOD PRODUCTS
Walter J. Robinson, Ann Arbor, Mich., assignor of one-third to Charles H. Stocking and one-third to Carlos A. Reading, both of Ann Arbor, Mich.
Application March 3, 1936, Serial No. 66,902
Renewed May 4, 1938
13 Claims. (Cl. 99—98)



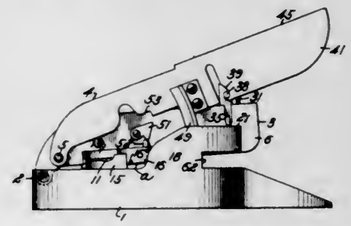
1. A process for the preparation of precooked leguminous food products which consists in macerating the products in water, removing the water and adding a caramel solution prior to the cooking of the products.

2,141,365
FUEL REGULATOR FOR CARBURETORS
Paul Schüttler, Berlin-Charlottenburg, Germany, assignor to Pallas Apparate G. m. b. H., Berlin, Germany, a corporation of Germany
Application May 2, 1938, Serial No. 205,656
In Germany May 15, 1937
7 Claims. (Cl. 137—153)



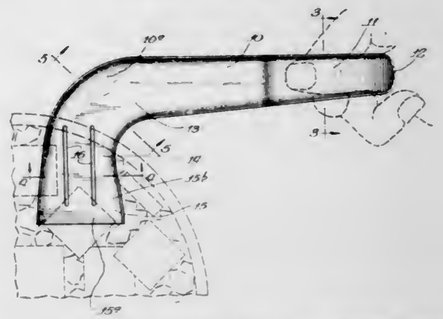
1. Fuel regulator for internal combustion engine carburetors comprising an inelastic diaphragm forming, in normal position of the regulator, the bottom of a fuel chamber, a counterweight pivotally mounted in said fuel chamber in engagement with said diaphragm, a spring positioned outside said chamber in engagement with said diaphragm and urging said diaphragm oppositely to the direction of action of the counterweight in normal position of the regulator, conduit means for supplying fuel from said chamber to the mixing chamber of a carburetor, and means actuated by the movement of said diaphragm for controlling the flow of fuel to said chamber.

2,141,366
STAPLER
Edward L. Sibley, Bennington, Vt.
Application November 19, 1937, Serial No. 175,521
18 Claims. (Cl. 1—2.2)



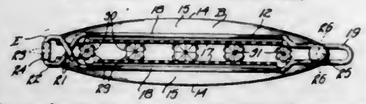
1. In a stapler, a base, a stapler head pivoted on said base, said stapler head including a frame provided with staple forming and driving parts, an operating lever pivoted on said frame and means for revolubly holding a supply of staple-forming wire, means operable in response to relative movement of said frame and lever for oscillating said wire holding means, wire clutch means carried by said base, and clutch operating means carried by said lever and functioning to clutch said wire upon depression of said lever and prior to oscillation of said wire holding means.

2,141,367
BUTTER SERVING IMPLEMENT
Joseph M. Yannuzzi, Chicago, Ill.
Application January 6, 1938, Serial No. 183,726
1 Claim. (Cl. 65—12)



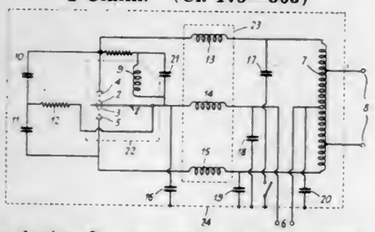
A butter serving implement, comprising a substantially L-shaped body, the upper surface of said body being formed to provide a continuous channel, the channel of the short leg of said body being flattened and flared outwardly at its free end to provide a substantially wedge-shaped butter square receiving portion of a size to limit the entry of a butter square therein, the longer leg of said body comprising a handle and a channel thereof providing a thumb receiving portion.

2,141,368
BARRETTE
Nathan L. Solomon, Mount Vernon, N. Y.
Application April 16, 1938, Serial No. 202,368
6 Claims. (Cl. 132—48)



1. In a barrette, a longitudinally curved bar having spaced and depending rows of teeth with the teeth of said rows disposed in staggered relation; a loop comprising crossed arms and constituting an eye swingably carried by said bar, a closed and reduced part, and an expanded part intermediate said eye and reduced part; and a grooved protuberance depending from said bar and adapted to disengageably interlock with said reduced part.

2,141,369
DEVICE FOR CONVERTING DIRECT CURRENT INTO ALTERNATING CURRENT
Johan Willem Alexander, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands, a corporation of the Netherlands
Application September 30, 1936, Serial No. 103,239
In Germany November 21, 1935
1 Claim. (Cl. 175—363)



In a device for converting direct current into alternating current of the type which utilizes a make and break device comprising, a member adapted to be vibrated between two contact pieces, a transformer having a pair of input terminals and a pair of output terminals, a connection between one of the contact pieces and one of the input terminals, said connection including a radio frequency choke, a connection between the other contact and the other input terminal, said last named connection also including a radio frequency choke similar to said first named radio frequency choke, a pair of input terminals for the converting device, said input terminals being adapted to be connected to a source of direct current, a radio frequency choke having substantially greater inductance than either of said first two named chokes, connected between the vibrating member and one of the last named input terminals, the other of said last named input terminals being connected to substantially the midpoint of the primary of said transformer, a metallic housing for the converting device and means for connecting the ends of said three chokes which are remote from the make and break device to said housing, each of said last named means including a radio frequency by-pass condenser.

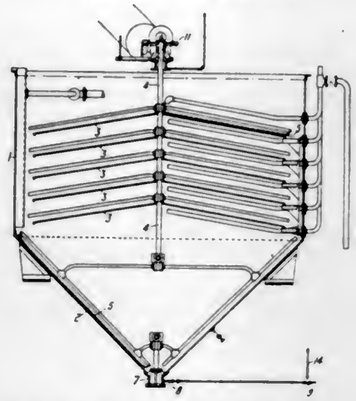
2,141,370
CEMENTING PLUG
Arthur L. Armentrout and Ray W. Gudie, Los Angeles, Calif.
Application February 23, 1938, Serial No. 192,020
11 Claims. (Cl. 166—1)

1. A cementing plug for use in association with a line comprising a plurality of plug body sections each having a longitudinal opening and a lateral slot joining the opening and adapted to receive



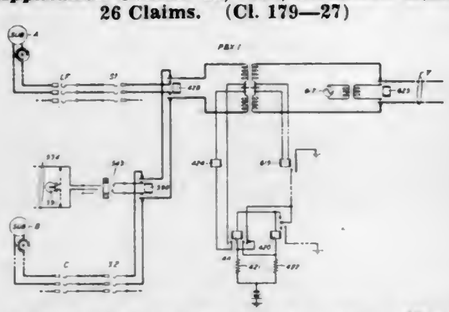
the line whereby the sections may be assembled about the line with their openings receiving the line, and means for connecting the sections when thus assembled about the line.

2,141,371
APPARATUS FOR CLARIFYING LIQUORS CONTAINING SUSPENDED AND FLOCCULENT MATTER, SUCH AS SUGAR JUICES, AND SIMILAR LIQUORS
Niels Breinholt Bach, Vestervig, Denmark
Application May 19, 1938, Serial No. 208,816
In Great Britain July 14, 1937
3 Claims. (Cl. 210—55)



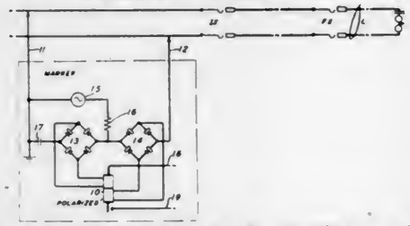
1. Apparatus for the purpose specified comprising a tank of circular section having a conical base towards the apex of which mud accumulates, superposed trays within said tank, a rotary shaft co-axial with said tank, and scrapers carried by said shaft and riding on the surfaces of said trays and on said conical base, and means for dispersing gas present in the mud, comprising a steam nozzle directed into said tank in the region of mud accumulation, a valve interposed between said nozzle and a source of steam supply, and means operated by said shaft for opening and closing said valve periodically, whereby, in the rotation of said shaft, to introduce steam in puffs into the mud.

2,141,372
TELEPHONE SYSTEM
John Baumfalk, Jersey City, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 16, 1935, Serial No. 45,185
26 Claims. (Cl. 179—27)



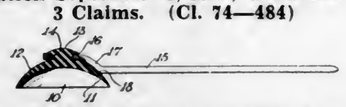
1. In a telephone system, a distant office, a trunk line leading to said distant office, an impulse repeater having an input circuit and an output circuit, a relay in said input circuit for causing repeated impulses to be produced in said output circuit, two circuit branches for said trunk for extending outgoing calls over the trunk to the distant office, means for producing impulses representative of a call in either of said branches, a relay for delivering the impulses for either branch to the relay in said input circuit, and means for delivering the impulses produced in said output circuit to said trunk.

2,141,373
ELECTRICAL TESTING SYSTEM
Frank E. Blount, Cedar Grove, N. J., and Philip Husta, Great Neck, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 1, 1937, Serial No. 151,407
5 Claims. (Cl. 179—175.3)



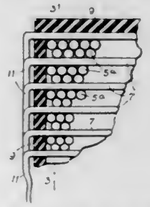
1. A testing apparatus for testing a circuit path, said testing apparatus comprising a source of alternating current, a condenser, a test relay having an operating winding and a biasing winding, and full-wave rectifiers, the operating winding being connected in series with said source, the circuit path under test and one of said rectifiers, and the biasing winding being connected in series with said source and condenser and another of said rectifiers.

2,141,374
HORN BUTTON ATTACHMENT
George L. Callery, New Castle, Del.
Application September 1, 1937, Serial No. 161,925
3 Claims. (Cl. 74—484)



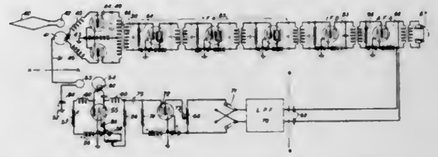
1. An attachment for horn buttons comprising a compressible rubber suction disk, a flexible button having an undercut shank integral with the crown of said disk, and a relatively rigid arm enclosing said shank and having an off-set portion touching said disk.

2,141,375
PHOTOELECTRIC PLATE FOR TELEVISION TUBE
Cesar A. Castro, New York, N. Y.
Application April 10, 1934, Serial No. 719,876
5 Claims. (Cl. 250—27.5)



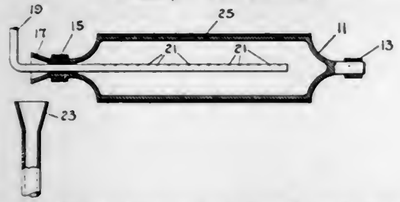
1. A photoelectric plate for use in television apparatus, comprising a plurality of wires disposed in double rows, a terminal conductor disposed adjacent to and between the said double rows of wires, and dielectric means interposed between the terminal conductor and the wires, the ends of the latter carrying a photoelectric material.

2,141,376
FREQUENCY REGULATION OF OSCILLATORS IN ULTRA SHORT WAVE RECEIVERS
Joseph G. Chaffee, Hackensack, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 10, 1935, Serial No. 44,322
10 Claims. (Cl. 250—6)



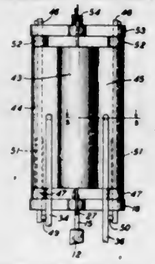
3. A superheterodyne system for receiving and demodulating amplitude modulated ultra-short carrier waves comprising a local source of interacting oscillations differing in frequency from the desired received frequencies by a predetermined intermediate frequency, means for causing the received waves and local oscillations to interact to produce intermediate frequency waves, an intermediate frequency selecting device which transmits with substantially equal attenuation waves of all frequencies in a range including the intermediate frequency and the extent of which is relatively small in comparison with the received wave frequency and means for automatically controlling the frequency of the locally generated waves so as to hold constant the difference frequency between that of the incoming waves and interacting oscillations comprising means for demodulating the intermediate frequency waves to reproduce the modulation wave and means for applying to the local source an electromotive force corresponding in intensity to the reproduced amplitude modulations of the incoming wave to cause the frequency of the local source to vary in accordance with the intensity of the amplitude modulations.

2,141,377
PROCESS AND APPARATUS FOR THE PRODUCTION OF SHEETING
Stanislas Chylinski, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application July 31, 1936, Serial No. 93,697
4 Claims. (Cl. 34—24)



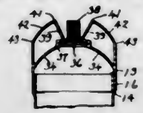
1. In the production of non-fibrous cellulosic pellicles, the step which comprises drying said pellicles by passing the same over a heated unsealed anodized aluminum surface.

2,141,378
ELECTRON DISCHARGE DEVICE
James E. Clark, Long Island City, and Victor L. Ronci, Brooklyn, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 1, 1934, Serial No. 750,928
14 Claims. (Cl. 250—27.5)



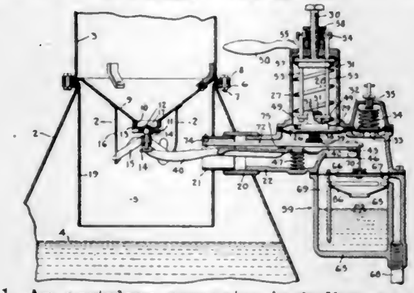
13. An electron discharge device comprising an enclosing vessel having a stem terminating in a press, a plurality of short wires extending in the plane of said press, parallel frame members extending from said stem in parallel relation to said wires, and an electrode unit mounted beyond said press including an insulating spacer between said unit and press, said spacer being cruciform in shape and supported in a transverse plane by said wires and frame members, said frame members having extensions engaging the side surfaces of one of said electrodes for reinforcing said electrode unit against shocks directed against the end of said vessel remote from said stem.

2,141,379
TOOTH POWDER DISPENSING CONTAINER
Fred W. Clook, Syracuse, N. Y.
Application June 19, 1936, Serial No. 86,149
8 Claims. (Cl. 221—62)



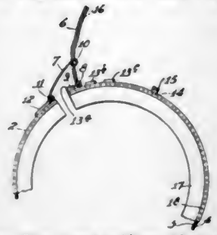
1. In a tooth powder dispensing can, a container body having an opening at the top thereof, a cover for said opening having a tooth powder dispensing opening, said dispensing opening being of a length substantially the length of the brush portion of a tooth brush and being substantially the width of the tooth brush, a slide for said opening manually movable to uncover the opening any desired amount, a pair of diverging guides for the brush at the mouth of said opening, the space between said guides being wider at the outer edges of the guides than the width of the normal tooth brush and being narrower near the mouth of the opening than the width of the normal tooth brush whereby the brush when inserted between the guides has its side edges confined by the guides, said guides and said dispensing opening being so constructed and arranged that the powder adhering to the guides will normally drop back into the container when it is inverted.

2,141,380
ACETYLENE GENERATOR
George M. Deming, East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application September 22, 1933, Serial No. 690,560
11 Claims. (Cl. 48—52)



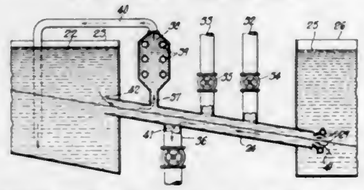
1. An acetylene generator including a carbide hopper, a feed plate at the mouth of the hopper, a lever operatively connected with the feed plate for regulating the displacement of said feed plate, a fulcrum for said lever, pressure-operated means connected with the lever at a substantial distance from said fulcrum for moving the lever to control the feed plate displacement, and other means operatively connected with the lever at a substantial distance from the fulcrum and from the connection of the lever with the feed plate for agitating said lever to agitate the feed plate.

2,141,381
PIPE THREAD PROTECTOR
Birger Engstrom, Pittsburgh, Pa., assignor, by mesne assignments, of sixty one-hundredths to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 17, 1937, Serial No. 126,183
8 Claims. (Cl. 138—96)



1. A device for protecting the end of a cylindrical article comprising a split sleeve adapted to fit over the end of the article, said sleeve being made up of superimposed split bands, a packing liner secured to the exposed surface of one of said bands to engage the surface being protected, and a lever-operated toggle mechanism secured to the inner and outer bands at the ends thereof for expanding and contracting them to install and remove the protector.

2,141,382
APPARATUS FOR TREATING PLATED STRIP METAL
John F. Ferm, Midland, Pa., assignor to Pittsburgh Crucible Steel Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 10, 1938, Serial No. 224,101
6 Claims. (Cl. 266—3)



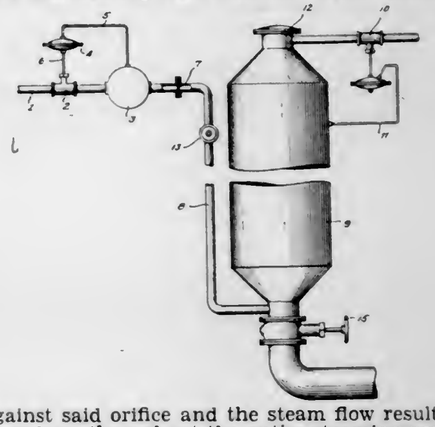
1. Apparatus for treating plated strip metal comprising: a first tank containing a hot bath for softening said plating, a second tank containing a cool bath for hardening said plating, a duct joining said tanks and having an entry into the second tank situated below its entry into the first tank, and means for conveying said strip through said hot bath and duct into said cool bath, said conveying means having no contact with said strip metal while said plating is in said softened condition.

2,141,383
PROCESS OF PREPARING SOLUTIONS OF CELLULOSE IN SULPHURIC ACID
Heinrich Fink and Richard Hofstadt, Wolfen (Kreis Bitterfeld), Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application June 19, 1937, Serial No. 149,210. In Germany July 21, 1936
4 Claims. (Cl. 260—100)

1. A process of preparing a solution of cellulose, which comprises mixing cellulose wet with water with sulphuric acid, said sulphuric acid having a concentration so as to yield a liquid containing 52 to 57 per cent of H_2SO_4, and adding to said liquid so much strong sulphuric acid that the final concentration of the mixture is from 62 to 63 per cent H_2SO_4.

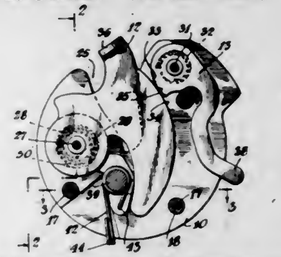
2,141,384
METHOD OF OPERATING DIGESTERS AND APPARATUS THEREFOR
Edward M. Frankel, New York, and Edward H. Barry, Dobbs Ferry, N. Y., assignors to West Virginia Pulp & Paper Company, New York, N. Y., a corporation of Delaware
Application April 10, 1935, Serial No. 15,510
2 Claims. (Cl. 92—7)

2. In the method of pulp manufacture consisting in cooking cellulose material with acid liquor in a digester and relieving the digester at constant pressure in excess of a predetermined maximum, the improvement which consists in bringing the digester up to said maximum pressure solely by applying steam under constant pressure on the upstream side of a fixed orifice chosen with respect to the steam requirements of said digester, said requirements being constant during the period of steaming, conducting the steam passed by said orifice to the digester and maintaining said constant steam pressure



against said orifice and the steam flow resulting therefrom throughout the entire steaming period whereby no further regulation of the steam flow is had during the heating period.

2,141,385
HAIR CLAMP AND SUPPORTING BRACKET
Gotthard Freudenberg, Otto Seiter, and Arthur A. Boll, New York, N. Y., assignors to The Nestle-Le Mur Company, New York, N. Y., a corporation of Ohio
Application November 27, 1936, Serial No. 113,020
19 Claims. (Cl. 132—36.1)

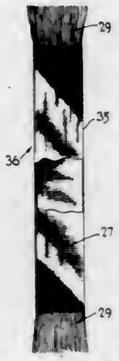


1. In a hair waving mechanism a curling rod and a supporting bracket therefor, means for clamping a strand of hair in said bracket, and having an opening permitting insertion and withdrawal of the curling rod in the axial direction of the rod, means for securing the curling rod in said opening, and means for quickly releasing said securing means.

2,141,386
METHOD OF MAKING FRINGED WOVEN ARTICLES
Kameel Habib, New York, N. Y.
Application November 8, 1937, Serial No. 173,425
2 Claims. (Cl. 28—1)

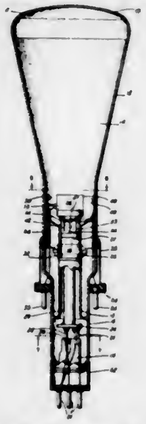
1. A method of making a scarf, consisting in spacing on the beam of a shuttle loom, at each side of a body group of warp threads, a plurality of selvage warp threads spaced from opposite sides of the body group of threads, unwinding said warp threads from the beam, and weaving weft threads with the shuttle of the loom, to said warp threads, as said warp threads are being unwound, to produce a central wide woven portion, and woven selvages separated from the central por-

tion at opposite sides, and throughout the length of the woven cloth, by free lengths of weft threads only, and cutting away said woven selvages to provide fringes on opposite sides of the central portion throughout the length of said cloth, cutting the cloth along spaced lines perpendicular to



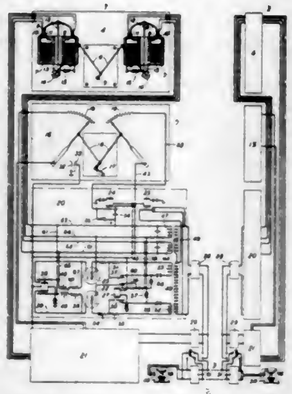
the longitudinal side edges of the cloth, with the distance between the cut lines less than the width of the cloth, then folding the cut pieces of cloth in half longitudinally, and stitching together the meeting cut edges of each piece of cloth to form a scarf.

2,141,387
ELECTRON DISCHARGE DEVICE
Douglas A. S. Hale, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 10, 1936, Serial No. 104,937
10 Claims. (Cl. 250—141)



1. An electron discharge device comprising an electron producing electrode assembly, a controlling electrode assembly, a unitary mount including a pair of cylindrical portions joined in series relation in a longitudinal direction, said electron producing electrode assembly being mounted in axial relation within one of said portions, said controlling electrode assembly being coaxially supported on the other of said portions in relation to said electron producing electrode assembly, an additional cylindrical portion surrounding and coextensive with one of the mount portions and having one end sealed to the juncture of said portions, and an enclosing vessel fused to the opposite end of said additional portion.

2,141,388
FACSIMILE TELEGRAPH SYSTEM
Henry C. Harrison, Port Washington, N. Y., and Thomas J. Pope, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 22, 1935, Serial No. 22,686
14 Claims. (Cl. 178—19)

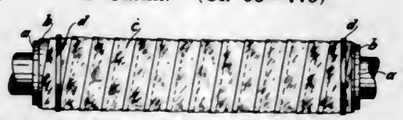


1. Telautograph apparatus comprising a writing point, two circuits each including a pair of electronic tubes, means in the output circuit of each pair of tubes for driving the point along one coordinate of motion, means for conditioning each tube to respond to alternate half waves of currents of predetermined frequencies, and means for converting each pair of tubes into a generator of oscillatory current.

2,141,389
ALLOY STEEL
William Herbert Hatfield, Sheffield, England, assignor to Thos. Firth & John Brown Limited, Sheffield, England, a British company
No Drawing. Application March 9, 1938, Serial No. 194,880. In Great Britain April 19, 1937
3 Claims. (Cl. 75—128)

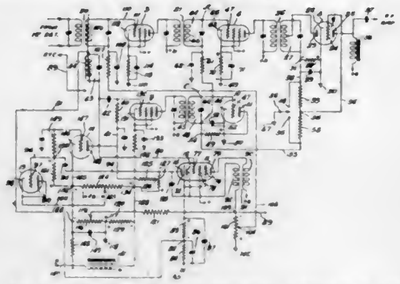
1. An austenitic nickel-chromium alloy-steel suitable in particular as a constructional material for use at elevated temperatures and comprising 20–40% nickel, 6–20% chromium, in excess of 10% and up to 30% cobalt, 1–5% titanium, a material amount not exceeding 0.6% carbon, and the remainder iron with a minimum of 20%.

2,141,390
MEANS FOR FIXING THE PICTURE CARRIER ON COPPER INTAGLIO PRINTING CYLINDERS
Karl Hintsches, Oberkotzau, Germany
Application April 1, 1936, Serial No. 72,055
In Germany August 3, 1935
1 Claim. (Cl. 95—775)



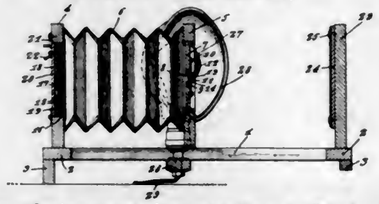
Means for fixing the picture carrier on copper intaglio printing cylinders, comprising a band strip of transparent material wound in helical form over the picture carrier applied onto the copper cylinder, the windings of said strip overlapping at their edges, and means for fixing the ends of said band strip on the cylinder.

2,141,391
HIGH FIDELITY RADIO RECEIVER
Poul F. G. Holst, Oaklyn, and Loren R. Kirkwood, Collingswood, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application August 29, 1936, Serial No. 98,443
13 Claims. (Cl. 250—20)



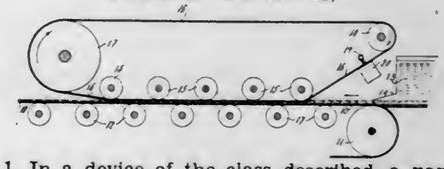
1. In a radio receiving system having a pair of signal amplifying channels offering differing degrees of selectivity to received signals, the combination of demodulator means for each of said channels, means providing a gain controlling connection for deriving a gain controlling potential from only one of said demodulator means and applying said potential to the other of said signal amplifying channels to suppress the flow of signals therethrough in response to an increase in the strength of signals applied to said demodulator means, automatic volume control means comprising a diode rectifier connected with one of said channels to receive signals therefrom to be rectified and having an output resistor for rectified signals, means for applying automatic volume control potentials from said output resistor to said receiving system preceding said channels to reduce the gain therethrough in response to an increase in the amplitude of received signals, means for establishing on said output resistor a fixed biasing potential, and means for varying said potential, thereby to vary the gain of said receiving system independently of the automatic volume control means.

2,141,392
PHOTOENGRAVING CAMERA
Jack Honrine, New Bern, N. C.
Application September 20, 1937, Serial No. 164,769
1 Claim. (Cl. 88—24)



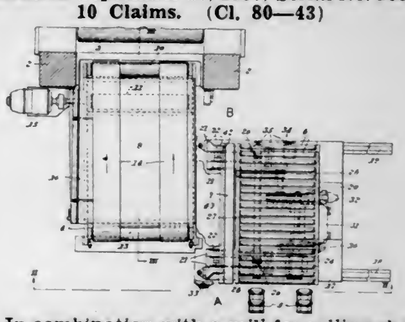
In a photo-engraving camera, a fixed object holder, illuminating means therefor, a fixed screen and sensitive material holder and a fixed lens holder, the latter including a frame member, a panel closing the frame member and having an opening centrally arranged therein, a lens mounted in the opening, a plate secured to the panel in engagement therewith and having a square opening therein providing a stop and registering with the lens opening, a flash bar pivoted at one end to the panel and having a minute round opening therein providing a stop, and a hook secured to the panel in alignment with the pivot point of the flash bar for supporting the opposite end of the latter with the opening thereof in registration with the square opening.

2,141,393
APPARATUS FOR THE MANUFACTURE OF PAPER AND THE LIKE
Edward Hutchins, Glens Falls, N. Y., assignor to International Paper Company, a corporation of New York
Application March 19, 1935, Serial No. 11,764
Renewed May 21, 1938
3 Claims. (Cl. 92—44)



1. In a device of the class described, a paper making screen, spaced table rolls for supporting said screen and for draining water from fibrous stock carried by said screen to form a web, rotatably mounted means mounted above said screen and in staggered relation to said table rolls to impart a kneading and fibre distributing action to said stock, and an endless screen interposed between said means and paper making screen to drive said means.

2,141,394
APPARATUS AND METHOD FOR HANDLING SHEETLIKE MATERIAL
Lorenz Iversen, Pittsburgh, Pa., assignor to Mesta Machine Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 27, 1937, Serial No. 165,808
10 Claims. (Cl. 80—43)

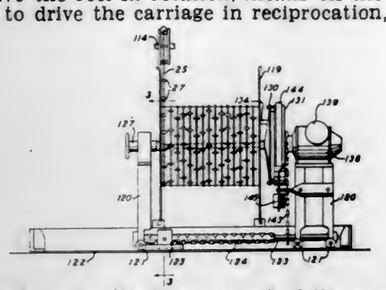


1. In combination with a mill for rolling sheets, a feed table on the entering side of the mill, a conveyor terminating alongside the feed table for bringing a stack of sheets into position to be supplied successively to the feed table, the conveyor having a section which may be tilted, with a stack of sheets thereon, to bring the sheets into a vertically extending plane, thus facilitating feeding of the sheets to the mill, and means preventing sheets in a stack on such section from sliding off when the section is in tilted position.

2,141,395
WINDING APPARATUS
Fred V. Johnson and Duer C. Robson, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 12, 1937, Serial No. 120,201
4 Claims. (Cl. 242—25)

1. A strand winding apparatus comprising a reciprocable carriage, means on the carriage to

support a rotatable reel, means on the carriage to drive the reel in rotation, means on the carriage to drive the carriage in reciprocation, and



means to cause the linear speed of the carriage to be in a constant ratio to the rotary speed of the reel.

2,141,396

ARTIFICIAL CELLULOSIC STRUCTURE

Harry H. Levin, New York, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application May 14, 1936, Serial No. 79,811

2 Claims. (Cl. 139—426)



1. A non-puckering, heat-resisting, substantially lint-less clothes pressing fabric for use in a clothes pressing machine of the type in which pressing is carried out at a temperature as high as 250° F. and in the presence of high humidities, said fabric consisting largely of continuous filament rayon threads having a dry tenacity at room temperature of at least 2.5 grams per denier and a percentage elongation not in excess of 12%, said threads having a denier of from about 275 to about 500, said fabric containing about 42 to about 92 threads per inch in both the warp and the filling.

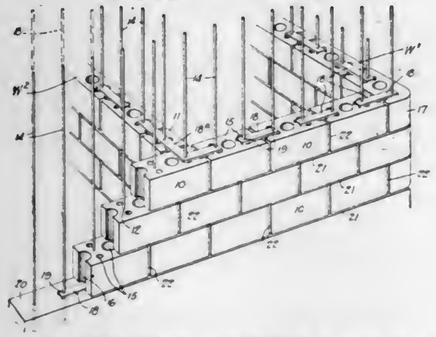
2,141,397

BUILDING SYSTEM

Earl Ray Locke, Bakersfield, Calif.

Application September 14, 1937, Serial No. 163,762

8 Claims. (Cl. 72—40)



1. Wall construction comprising a foundation; rods embedded in the foundation and rising vertically therefrom at preselected intervals; blocks having openings snugly receiving the rods so as to be confined thereby in superposed courses wherein the blocks of one course are staggered longitudinally from those of the next course; tie elements having openings snugly receiving said rods and spanning the joints between blocks to definitely space the latter horizontally; the tie elements being disposed between the courses of blocks to definitely space the latter vertically and co-act therewith and with the tie rods in tying the blocks together in wall formation; and a filler in the spaces between blocks.

2,141,398

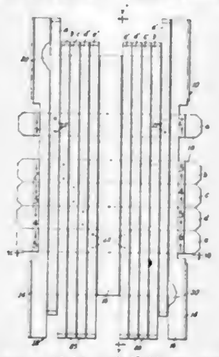
CHANGEABLE EXHIBITOR

Carl Albert Loewenstein, Berlin, Germany, assignor to Ernst Gustav Preuss, South Lodge, St. John's Wood, England

Application October 28, 1937, Serial No. 171,410

In Germany May 28, 1937

6 Claims. (Cl. 40—65)



1. In a changeable exhibitor; an operating unit comprising a frame, including side members having slots provided therein, said slots being aligned transversely of said frame and extending longitudinally of the same; a plurality of groups of presentation strips, the strips of the respective groups being collectively peculiar to different presentations, the strips of one group being fixed with relation to said frame, and the strips of the other groups being movable en group with relation to said fixed strips; and a plurality of actuators extending transversely of said frame in a parallel relation and slidably supported by said frame within said slots and individually connected to said groups of movable strips for effecting displacement of any selected group of movable strips with relation to the other groups of strips whereby any selected group of strips may be presented to view in a coordinated pictorial relation to the exclusion of the other groups of strips.

2,141,399

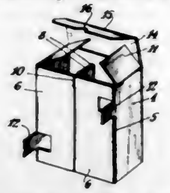
MINIATURE STRUCTURE AND BLANK THEREFOR

Hans P. Luhn, North Tarrytown, N. Y.

Application January 3, 1936, Serial No. 57,333

3 Claims. (Cl. 46—15)

1. A box-like article, comprising end walls and side walls, one of said side walls consisting of two narrow abutting wall members, having adjacent abutting tab members, slots having parallel edges at the junction of the narrow wall members with the tab members and an end wall having a tab member, a slot having parallel edges extending only partially across the end wall tab member, said first-mentioned slots receiving the end wall tab member, and said end wall tab member slot receiving the side wall tab members



to lock the wall members in edge abutment and in a common plane and the tab members in substantially parallel abutment.

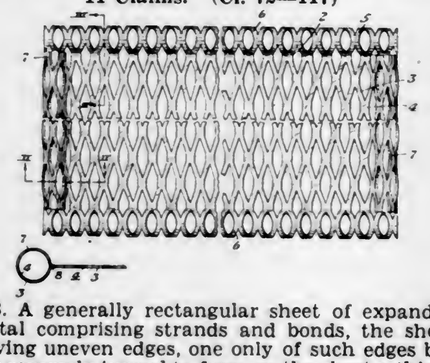
2,141,400

EXPANDED METAL PRODUCT

Wayne E. Mack, Martins Ferry, Ohio, assignor to The Consolidated Expanded Metal Companies, Wheeling, W. Va., a corporation of West Virginia

Application January 11, 1936, Serial No. 58,719

11 Claims. (Cl. 72—117)



8. A generally rectangular sheet of expanded metal comprising strands and bonds, the sheet having uneven edges, one only of such edges being reversely turned to form on the sheet a thickened rim portion of expanded metal facilitating handling of the sheet and minimizing the effect of the unevenness of said edge.

2,141,401

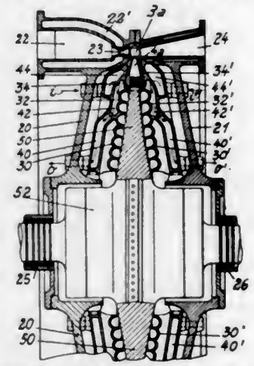
GAS TURBINE

Michael Martinka, Duisburg, Germany

Application February 6, 1937, Serial No. 124,407

In Germany July 1, 1936

12 Claims. (Cl. 60—41)



1. In a gas-turbine, having a bladed rotor and a housing, enclosing and supporting said rotor, the combination with a crown of blade structures, having anchors for fixing the blades at the rotor rim and relatively wide, hollow shanks arranged intermediate the said anchors and the blades proper,—of primary cooling means, employing a plurality of gaseous currents re-circulated in closed cycles of movement through said hollow shanks and around the rim and web of the rotor,—and secondary cooling means for re-cooling the respective gaseous currents in proportion to the amount of heat to be locally dissipated.

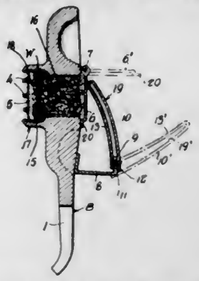
2,141,402

ORNAMENTAL DEVICE

Leonore B. Muller, New York, N. Y.

Application November 10, 1938, Serial No. 239,754

4 Claims. (Cl. 41—14)



2. An ornamental device of the character described, comprising a body member simulating a flower, said body member having an aperture formed therein, the front of said aperture having a screen cover simulating the calyx of said flower, the rear of said aperture having a lid hingedly connected to said body member, said aperture being adapted to house a scented cartridge, and means adapted to attach said body member to the wearer thereof.

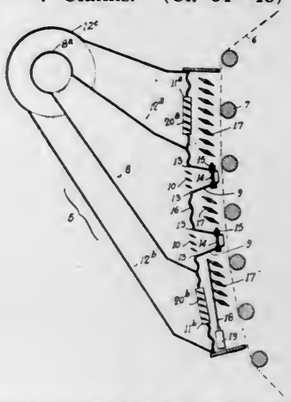
2,141,403

DRYING METHOD AND APPARATUS

Bernard Offen, Chicago, Ill.

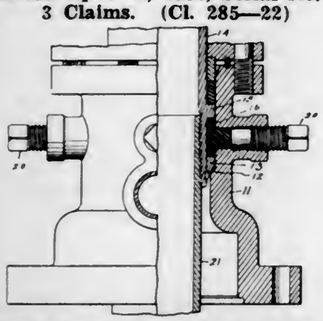
Application April 8, 1936, Serial No. 73,197

7 Claims. (Cl. 34—48)



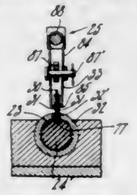
3. In an apparatus of the character described, means including a confining wall for forming an air passageway between said confining wall and web material which is to be subjected to the drying action of air circulated through said passageway, means for circulating air through said passageway adjacent said web material, and a plurality of baffles disposed in said passageway and spaced from said confining wall and from said material.

2,141,404
STUFFING BOX
Kirby T. Penick and Arthur J. Penick, Houston, Tex.
Application April 13, 1936, Serial No. 74,176
3 Claims. (Cl. 285—22)



1. A tubular well head having an inside seat, a retainer ring on the seat, a hanger fitted closely through the ring and having an external annular rib formed integrally therewith and arranged to fit closely in the head and to provide an annular channel around the hanger, said head having a radial bore communicating with the channel, packing filling the channel and supporting the rib and extended into the bore, a jack screw threaded into the bore and abutting the packing extending into said bore and forming means for forcing the reserve supply of packing into the channel to take up the wear.

2,141,405
APPARATUS FOR MANUFACTURING RUBBER STRIPS
Chester J. Randall, Naugatuck, Conn., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application August 10, 1937, Serial No. 158,280
13 Claims. (Cl. 18—4)

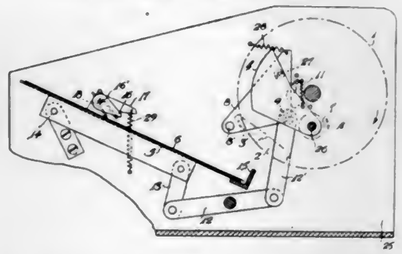


1. An apparatus comprising the combination of a calender and a plurality of vulcanizing tubes, said calender having cooperating rolls, one of said rolls having a plurality of circumferential grooves therein for forming a plurality of plastic strips of vulcanizable sponge rubber compound, and means for conveying said strips of rubber compound through said vulcanizing tubes at the rate of speed at which they are calendered to vulcanize and blow said strips, means for cooling the vulcanized and blown sponge rubber strips, and means for breaking down said strips.

2,141,406
PROCESS OF PRODUCTION OF SUCCINIC ACID
Ebenezer E. Reid, Baltimore, Md., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 15, 1938, Serial No. 195,957
7 Claims. (Cl. 260—537)

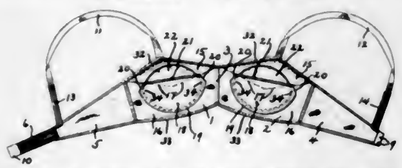
1. A process for the production of succinic acid which comprises reacting an aqueous solution of maleic acid with a metal more electro-positive than hydrogen and less electro-positive than the alkaline earth metals while preventing the precipitation of the metallic salt of succinic acid from the solution by the addition of an acid capable of freeing succinic acid from its salts which added acid is non-oxidizing under the conditions of reaction, and separating succinic acid from the solution.

2,141,407
DUPLICATING APPARATUS
Wilhelm Ritzerfeld, Berlin, Germany
Application August 8, 1932, Serial No. 627,982
In Germany August 11, 1931
13 Claims. (Cl. 101—132)



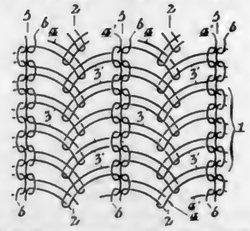
1. A machine of the character described comprising in combination a printing drum, means for rotating said printing drum, gripper means on said printing drum for securing a flexible master sheet to said drum, means for displacing said master sheet toward said drum in a direction opposite to that of the rotation of said drum, and means for automatically opening and closing said gripper means for inserting said master sheet into said gripper means and to cause discharge of the old master sheet during the continuous rotation of said drum.

2,141,408
BRASSIÈRE AND BREAST PAD
William Rosenthal, New York, N. Y., assignor to Maiden Form Brassiere Company, Inc., New York, N. Y., a corporation of New York
Application September 17, 1935, Serial No. 40,890
5 Claims. (Cl. 2—42)



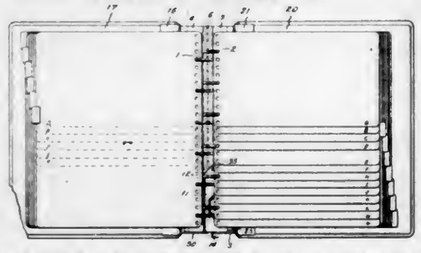
1. In a garment of the type described the combination of two fabric breast pockets secured together by stitching, each of said pockets being formed of an upper and a lower section of fabric secured together by a bent line of seam, a portion of fabric having a substantially semi-circular lower edge, a straight upper edge and straight side edges inwardly sloping from said lower edge to said upper edge to form point-like recesses, said portion of fabric being secured at and along said sloping edges and said lower edge to the lower section of fabric of the breast pocket by corresponding lines of stitching so as to form a breast pad receiving cavity with the fabric of each breast pocket and a breast pad adapted to fit within such cavity and having a bottom edge so formed that said pad is held against displacement by a dovetailing action between the sloping side edges of the fabric portion and the bottom edge of the breast pad.

2,141,409
LACE FABRIC
Oskar Sauer, Philadelphia, Pa.
Application April 28, 1937, Serial No. 139,355
5 Claims. (Cl. 66—192)



1. A lace fabric comprising spaced warps, and intervening pillars of interconnected pairs of wefts forming pillars of loops between said warps, and said loops respectively extending alternatingly from the warps in opposite directions.

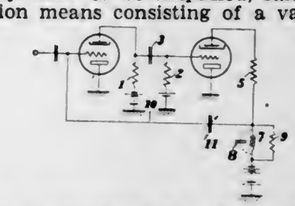
2,141,410
LOOSE LEAF BINDER
John Schade, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts
Application October 22, 1936, Serial No. 107,028
5 Claims. (Cl. 129—17)



1. A binder having centrally pivoted back portions and a set of prongs supported from each back portion, one of such sets being mounted for longitudinal movement between two offset positions relatively to the other set, and cam mechanism operable to move relatively the pivoted back portions and one set of prongs between said offset positions all in sequential operation whereby the prongs are spread, offset, and overlapped in alternate offset positions upon successive operations of said cam mechanism.

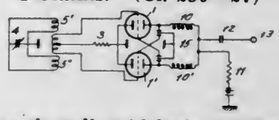
2,141,411
TELEVISION AMPLIFIER
Kurt Schlesinger, Berlin, Germany, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany
Application December 17, 1934, Serial No. 757,773
In Germany December 20, 1933
3 Claims. (Cl. 179—171)

1. In a television amplifier system a regenerative intermediate carrier frequency amplifier, included in a super-heterodyne receiver, for amplifying wide television frequency bands, comprising a plurality of amplifier stages, coupled with each other by resistance capacity coupling means, means in said amplifier forming a feed-back connection between said amplifier stages in aperiodic fashion, i. e., aperiodic for said large frequency band to be amplified, said feed-back connection means consisting of a variable con-



denser in combination with an impedance producing a defined resonance effect with its self-capacity and being damped by a parallel resistance, said means being dependent on the frequency to be amplified.

2,141,412
DETECTOR FOR TELEVISION
Kurt Schlesinger, Berlin, Germany, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany
Application February 13, 1935, Serial No. 6,408
In Germany February 16, 1934
4 Claims. (Cl. 250—27)

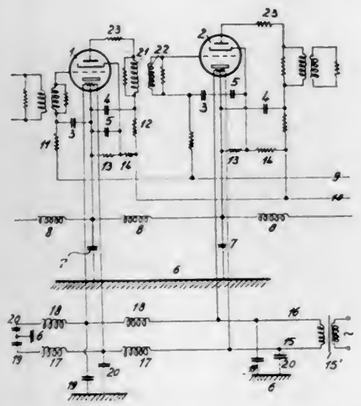


1. In a push-pull grid-leak rectifier arrangement for rectifying ultra-short carrier waves modulated with very high frequencies, more particularly for television purposes, two electronic tubes connected in push-pull, each one having at least a cathode, grid and plate, an input circuit devoid of by-pass condensers having a leak-resistance connected to earth and providing the grids of said tubes with high-frequency potential, an output circuit connecting the anodes of the tubes, from which the rectified modulation potential is tapped, means for regenerative coupling of said output circuit to said input circuit, said input circuit consisting of a transformer having a primary and a secondary coil, said primary coil being divided spatially into two halves connected in parallel with a tuning condenser, one electrode of which is earthed, said secondary having an adjustable tapping point, the terminals of which are directly connected to the grids of the tubes, said tapping point being connected to earth and to the cathodes of the tubes by means of a grid leak resistance, the output circuit consisting of a series connection of two short waves chokes with a common anode resistance at which the demodulation free of carrier frequencies may be tapped, the regenerative coupling means consisting of two condensers each connected between the anode of one of said tubes and the grid of the other tube, the degree of said regenerative coupling being regulated by an earthed screen arranged between the electrodes of each of said back-coupling condenser.

2,141,413
BUILDING UP OF HIGHLY SENSITIVE CASCADE AMPLIFIERS
Kurt Schlesinger, Berlin, Germany, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany
Application June 7, 1935, Serial No. 25,415
In Germany June 9, 1934
7 Claims. (Cl. 250—27)

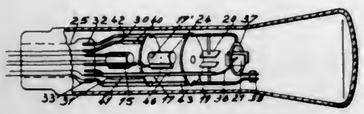
1. In an amplifier system with several amplifier stages for obtaining very high amplifications,

preferably for amplifying the intermediate frequency band of a television superheterodyne arrangement each of said amplifying stages containing an amplifier tube connected with an anode circuit, a screen grid circuit and a control grid circuit, separate high-frequency filters in said anode-circuit, in said screen-grid-circuit



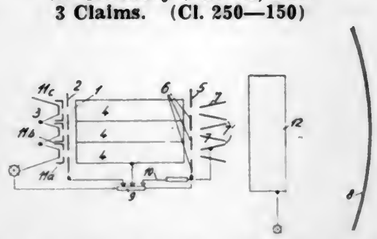
and in said control-grid-circuit of each of said amplifier stages for avoiding disturbing coupling, said filters containing decoupling condensers connected directly with the cathode of the corresponding amplifier tube, each cathode connected directly with the earthing point by additional earthing condensers.

2,141,414
BRAUN TUBE
Kurt Schlesinger, Berlin, Germany, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany
Original application March 23, 1933, Serial No. 662,284. Divided and this application March 23, 1936, Serial No. 70,423. In Germany March 24, 1932
8 Claims. (Cl. 250—163)



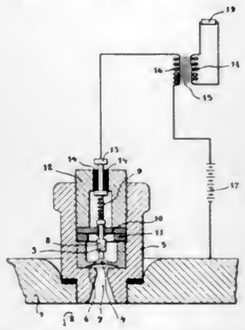
1. A Braun tube comprising an indirectly heated cathode consisting of an insulating tube, a heater element arranged inside said tube, an equipotential metallic tube closed at one end surrounding said insulating tube, and a highly emissive substance arranged on the closed end of said metallic tube, a substantially closed control cylinder adapted to be supplied with a variable control voltage in relation to said equipotential tube coaxially surrounding said cathode and being separated from it by the vacuum, a plate terminating said cylinder at the side thereof situated next to the closed end of said metallic tube, said plate having a central opening, an anode adapted to have a high positive potential impressed thereon, a cylindrical abutment connected to said plate at its side facing said anode, said abutment surrounding said plate opening, a fluorescent screen, means to concentrate and means to deflect the cathode ray.

2,141,415
MULTIPLE CATHODE-RAY TUBE
Kurt Schlesinger, Berlin, Germany, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany
Application June 16, 1936, Serial No. 85,495
In Germany June 20, 1935
3 Claims. (Cl. 250—150)



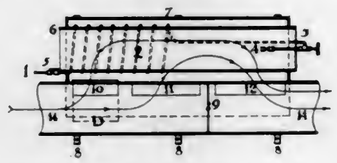
1. In a multiple cathode ray tube comprising a plurality of sources of electron emission, a first anode structure mounted near said sources to cooperate with said sources in producing a plurality of cathode beams equal in number to said sources, and a second anode structure mounted at a comparatively large distance from said first anode structure and adapted for use as a main accelerating means: a plurality of electrically conducting tubular members equal in number to said sources mounted between said first and second anode structures to produce a plurality of electrostatic electron lenses equal in number to said sources for focusing said beams into a plurality of images equal in number to said sources, said tubular members extending substantially along the whole distance between said first and second anode structures so that they screen the beams from each other where the beams have not yet undergone their main acceleration, and thus make the beams completely independent from each other.

2,141,416
INDICATOR OF DETONATIONS FOR INTERNAL COMBUSTION ENGINES
Max Yves Antonin Serruys, Paris, France
Application December 17, 1934, Serial No. 757,873
In France December 21, 1933
1 Claim. (Cl. 177—311)



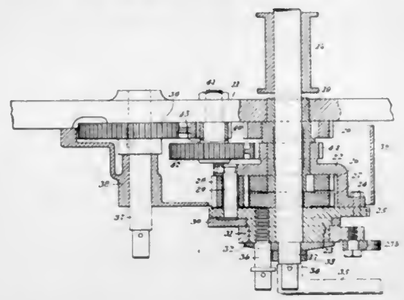
In a detonation responsive device for internal combustion engines means including a diaphragm responsive to engine pressure and contact means including a contact carried by the diaphragm, a second contact, resilient means for normally holding the latter in engagement with the first-named contact, the force exerted by the resilient means and the mass of the second-contact being such that under normal operation the second contact will follow and remain in contact with the first, but under a detonation the second contact will separate from the first, and indicating means responsive to the opening of the contacts.

2,141,417
HUMIDIFIER
George Wyman Shearer, Montreal, Quebec, Canada
Application February 13, 1935, Serial No. 6,400
In Canada November 10, 1934
1 Claim. (Cl. 261—15)



In a humidifier, a flue pipe having outlet and return openings separated by a damper, a humidifier casing clamped about said flue pipe to confine the openings, a discharge pipe through said casing above said flue pipe, a water supply pipe coiled about said discharge pipe within the casing, said water supply pipe terminating in a nozzle centrally mounted in said discharge pipe to project a stream of vapour therethrough and to the atmosphere.

2,141,418
PILE RAISING AND LOWERING MECHANISM
Joseph Sinkovitz, Pittsburgh, Pa., assignor to Miller Printing Machinery Co., Pittsburgh, Pa., a corporation of Pennsylvania
Application May 25, 1937, Serial No. 144,607
5 Claims. (Cl. 74—280)



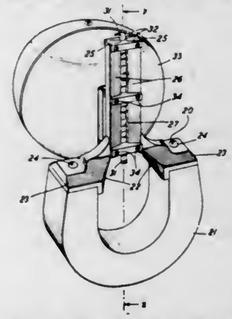
1. A drive for a pile support including a shaft, means for driving said shaft directly at relatively high speed, a low-speed drive for said shaft including a sun gear thereon and a planetary pinion meshing therewith, means for imparting relatively low-speed planetary motion to said pinion directly, and separate means for causing such planetary motion at increased speed.

2,141,419
MULTIPLE PACKER
Ferdinand J. Spang, Butler, Pa.
Application July 3, 1936, Serial No. 88,793
12 Claims. (Cl. 166—10)

1. In combination with a string of well casing, a series of packers carried by said casing, slips for holding each such packer in extended position, a cam for releasing each said slip, a single means for successively actuating the cams of each packer whereby said packers are consecutively set, and separate means for delivering fluid pressure to each of said packers.



2,141,420
ACOUSTIC DEVICE
Andrew E. Swickard, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 28, 1936, Serial No. 92,971
5 Claims. (Cl. 179—115.5)

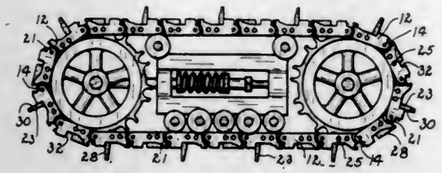


1. A microphone having a ribbon diaphragm, one section of which is responsive to the velocity component of a sound wave, means for rendering another section of the diaphragm responsive to the pressure component of said wave, said means comprising an ovate hollow container enclosing one side of said other diaphragm section and providing an air chamber thereadjacent, and a fabric acoustic screen disposed adjacent the closed side of said other diaphragm section and completely across the entrance to said container.

2,141,421
FOLDING CLEAT OR GROUSER
William S. Taylor, Seattle, Wash.
Application February 23, 1937, Serial No. 127,111
5 Claims. (Cl. 305—10)

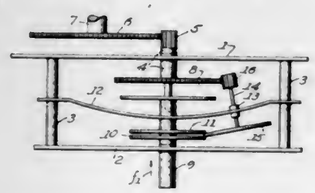
1. In a tread block for tractors the combination with spaced side bars having link connecting pins at each end thereof, of a pivoted grouser disposed upon a separate pivot pin intermediate said link pins, said grouser being arranged to provide a smooth tread block when in its folded position and a downwardly extending grouser when in its extended position, locking means for

said grouser consisting of lock blocks disposed in recesses on the inner side of said side bars, a common mounting screw for said lock blocks,



having right and left hand threads adapted to engage respectively said lock blocks and means for locking said screw against rotation.

2,141,422
CONTROL DEVICE FOR VARIABLE CONDENSERS
André Thomas, Malakoff, France
Application March 20, 1936, Serial No. 69,759½
In Germany March 19, 1935
1 Claim. (Cl. 74—10)



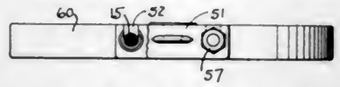
A control device for variable condensers comprising in combination: a frame formed by two cheeks connected by braces; a secondary shaft connected to the controlled member; a toothed clutch disc and a centering pin secured to the said secondary shaft; a primary shaft; a control member secured to the primary shaft; a second clutch disc secured to the said primary shaft and cooperating with the said toothed clutch disc; a recess provided in the primary shaft intended to receive the said centering pin; two friction discs secured to the said primary shaft; a leaf spring through which freely passes the primary shaft but following the axial movements of the latter; means for securing the free ends of the leaf spring to the braces of the frame, the form of this spring being such that its length is greater than the straight line distance between its points of attachment to the said braces; a rod freely passing through the said spring; a pinion secured to one end of the said rod the other end of which carries an intermediate disc engaged between the friction discs on the said primary shaft; the axial displacement of said primary shaft causing the leaf spring to occupy two stable positions, one corresponding to the direct control of the secondary shaft in which position the clutch discs are engaged and the pinion carried by the rod passing through the said spring is disengaged from the teeth of the toothed clutch disc; the other, in which the other clutch disc is declutched from the said toothed clutch disc and the said pinion is engaged with the teeth of the toothed clutch disc; the rotating movement of the said primary shaft being transmitted to the secondary shaft through the intermediary of the friction discs on the primary shaft, the intermediate disc engaged between the said friction discs, the pinion on the rod of the said intermediate disc, and the toothed clutch disc.

2,141,423
LOUDSPEAKER MOUNTING
Ray E. Tolerton, Fort Wayne, Ind., assignor, by mesne assignments, to The Magnavox Company, Incorporated, a corporation of Indiana
Application March 28, 1936, Serial No. 71,517
3 Claims. (Cl. 179—146)



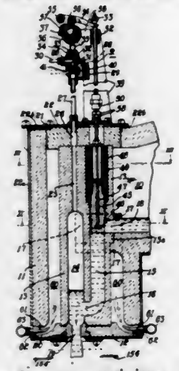
1. In an ornamental mounting for sound reproducing apparatus, the combination of a sheet metal member having means by which it may be secured upon a surface, and an outwardly disposed perforated central portion behind which a sound reproducing device may be mounted, a fabric disposed over the outwardly disposed perforated portion of said member, an ornamenting ring disposed over the edge of said fabric and extending over the means for securing said member upon said surface, a tongue upon said ring projecting inwardly through a slot in said member, means opposite said slot for securing one side of said ring upon said sheet metal member, and spring means carried by said member engaging said tongue and cooperating with said means for yieldingly securing said ring over the edge of said fabric and against said surface.

2,141,424
COUNTERBALANCE CRANK FOR PUMPING UNITS
Walter C. Trout, Lufkin, Tex., assignor to Lufkin Foundry & Machine Company, Lufkin, Tex., a corporation.
Application July 12, 1934, Serial No. 734,753
Renewed January 29, 1937
1 Claim. (Cl. 74—591)



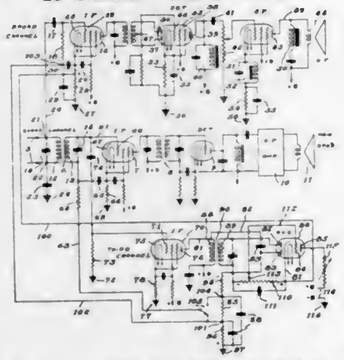
A counterbalance crank arm for well pumping units comprising an arm body for attachment to the crankshaft of the unit, wrist pin openings therein, a groove the length of said body disposed at each edge of the body, a rod disposed in each groove, a cap plate across one end of said body through which said rods pass, a plurality of spacer bars at the other end of said body, and on said rods, a base weight in which the ends of said rods are anchored and which is positioned below said spacer bars, and nuts on said rods to bear against said cap plate to hold the parts assembled but adapted for release whereby said rods may be moved laterally out of said grooves to remove the weight from said crank body.

2,141,425
METHOD AND APPARATUS FOR FEEDING MOLTEN GLASS
Frank L. O. Wadsworth, Pittsburgh, Pa., assignor to Ball Brothers Company, Muncie, Ind., a corporation of Indiana
Application March 21, 1934, Serial No. 716,627
18 Claims. (Cl. 49—55)



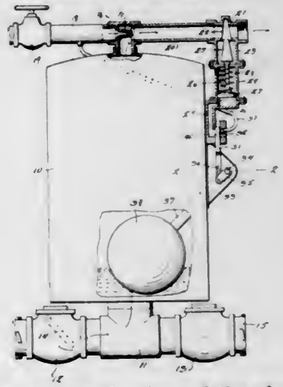
1. A glass feeder comprising a receptacle for molten glass terminating in a chamber having its floor disposed substantially lower than the bottom of said receptacle, a discharge outlet in the floor of said chamber, a member within said chamber and having a passage therein communicating at one end with said receptacle and at the other end with said outlet for maintaining a column of glass over said outlet, a chamber within said member for accumulating a supplemental supply of glass above said orifice, means for periodically closing the upper end of said passage to segregate said column from said receptacle, and means operating in timed relation to said passage closing means for expelling said supplemental supply from said last mentioned chamber through said orifice while said passage is closed to prevent the displacement of the column of glass over the orifice.

2,141,426
HIGH FIDELITY RECEIVING SYSTEM
Paul Weathers, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 29, 1936, Serial No. 98,435
18 Claims. (Cl. 250—20)



1. A radio receiving system comprising in combination, a main signal amplifying channel and two additional signal amplifying channels, one only of said additional amplifying channels including means providing variable gain control potentials for the other amplifying channels in response to variations in carrier wave amplitude, certain of said amplifying channels including means whereby the frequency response characteristic of said channels are altered.

2,141,427
COMPRESSED AIR OPERATED PUMP
Raymond W. Bryant, Grand Coulee, Wash.
Application August 3, 1937, Serial No. 157,207
3 Claims. (Cl. 103—235)

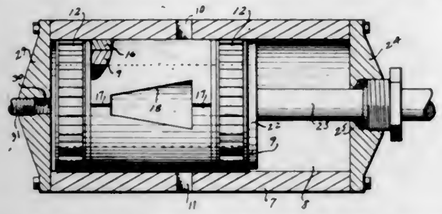


1. A pumping mechanism of the character described, including a liquid containing tank, an inlet pipe and an outlet pipe connected to the lower portion of the tank, check valves in said pipes, a compressed air pipe line communicably connected to the upper end of the tank and adapted to be connected at one end to a source of compressed air, an injector nozzle disposed within said pipe line immediately above the connection to the tank, a valve seat formed in the discharge end of the air pipe, a casing extending downward from the valve seat, a cut-off gate valve disposed within said casing and adapted when raised to engage said seat, a piston carried by the cut-off valve, a spring urging the cut-off valve to an open position, an air chamber communicating with the piston casing and having an air inlet port and a relief port, a pipe connecting the air inlet port to the compressed air pipe behind the injector nozzle, a vertically movable valve extending into said air chamber and having a port adapted when raised to connect the air inlet pipe with the interior of the chamber and when lowered to connect the interior of the chamber with the relief port, said valve having a slotted shank, a float disposed within the tank and having an arm pivoted at one end, the pivot of said arm carrying a second arm having a pin connection to the slot in the valve shank.

2,141,428
DIESEL ENGINE
Henry E. Carroll, St. Louis, Mo.
Application January 14, 1937, Serial No. 120,534
1 Claim. (Cl. 251—4)

A fuel distributing device for Diesel engines having, in combination, a header cylinder, removable heads at the ends of the header cylinder, said cylinder having a rectangular fuel outlet opening intermediate its ends, a fuel inlet for the cylinder and associated with one of the cylinder heads, a tubular valve member having one end closed and one end open with the open end adjacent the cylinder head provided with the fuel inlet, anti-friction means for mounting

said valve member in the header cylinder, means for rotating said valve member, means for manually sliding said valve member longitudinally in either direction, a fuel outlet port in the wall of the valve member intermediate the ends thereof, the lead and follow up edges of the fuel outlet port being inclined in opposite directions longi-



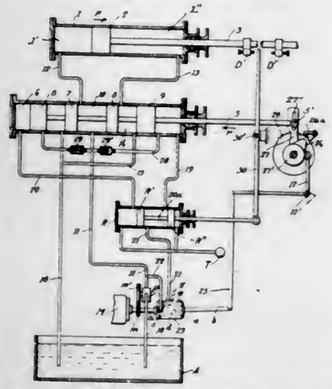
tudinally of the valve member, a split sealing member mounted on the valve member and having a fuel outlet port corresponding in shape and area to the fuel outlet port in the valve member, and a series of openings in the wall of the valve member to permit the sealing member to be expanded by fuel pressure within the valve member.

2,141,429

FLUID CONTROL SYSTEM FOR HYDRAULIC MOTORS

Heinrich Feilkas, Offenbach-on-the-Main, Germany, assignor to Lange & Geilen, Halle-on-the-Saale, Germany

Application March 4, 1937, Serial No. 129,051
In Germany May 15, 1935
9 Claims. (Cl. 60—52)



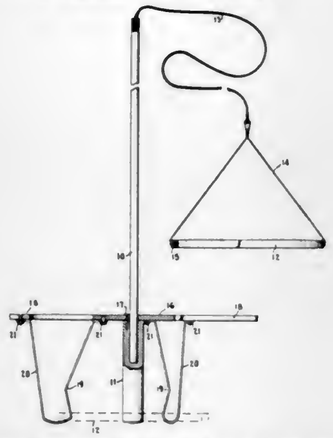
9. In a fluid control system for hydraulic motors, a principal pump, means for operating the principal pump, a principal conduit connected to the principal pump, a subsidiary pump operatively connected to the principal pump, a subsidiary conduit branched from the principal conduit and connected to the suction side of the subsidiary pump, a power cylinder, a piston in the cylinder, hydraulic pilot means connected to the delivery side of the subsidiary pump, means controlled by the piston for operating the pilot means in time with the reciprocation of the piston, a hydraulic reversing member connected to the principal conduit, to the power cylinder, and to the pilot means, for controlling the admission of liquid to, and the discharge of liquid from, the power cylinder, and a cam operatively connected to the reversing hydraulic member, for varying the delivery of the subsidiary pump to the hydraulic pilot means during the reversing period of the piston.

2,141,430

AMUSEMENT DEVICE

Moses Goldman, Brooklyn, N. Y.

Application October 27, 1937, Serial No. 171,332
6 Claims. (Cl. 273—97)



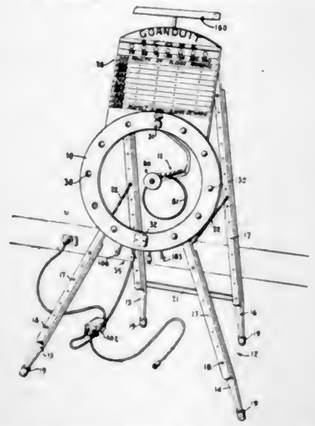
1. An amusement device of the type described comprising a rod, a handle carried on one end of said rod, a ring, means for associating said ring with the free end of said rod, guard means for protecting the hand of the user and for receiving and holding said ring during the use of the device, said guard means including an annulus, means for supporting said annulus substantially concentrically and in a plane substantially perpendicular to said rod, said means comprising a plurality of substantially V-shaped members, one of the free ends of each V-shaped member being associated with the rod and the other end with the annulus, said V-shaped members extending over the handle whereby to protect the hand of the user.

2,141,431

AMUSEMENT DEVICE

Moses Goldman, Brooklyn, N. Y.

Application February 7, 1938, Serial No. 189,250
8 Claims. (Cl. 273—104)



1. An amusement device of the type described comprising a plurality of light hoops formed of electrically conductive material and an essentially upright support, a game board mounted on said support and having a substantially circular

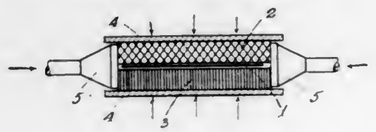
opening formed therein adapted to permit passage therethrough of said hoops, a target supported within said opening, electrically actuated score indicating means mounted on said board, means for controlling said score indicating means comprising a substantially horizontally positioned member presenting upwardly extending serrations adapted to receive and cooperate with portions of said hoops, and an electrical circuit associating said serrations and said score indicating means whereby electrical circuits are altered by resting hoops on said serrations and said score indicating means is actuated.

2,141,432

METHOD AND APPARATUS FOR CRIMPING SHEET MATERIAL

Rudolf Haas, Berlin-Dahlem, Germany, assignor of one-half to Zellstofffabrik Waldhof, Mannheim-Waldhof, Germany, a company of Germany

Application November 7, 1935, Serial No. 48,760
In Germany November 12, 1934
14 Claims. (Cl. 154—30)



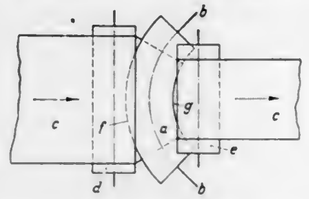
1. Apparatus for crimping sheet material comprising a deformable body consisting of a pack of laminae spaced apart out of continuous surface contact with one another, means for pressing a substantial area of the material against the deformable surface formed by the edges of the laminae, and means for causing said laminae to approach one another while maintaining the said pressure.

2,141,433

PROCESS AND APPARATUS FOR VARYING THE WIDTH OF PAPER WEBS OR THE LIKE, IN PARTICULAR FOR THE LONGITUDINAL CREPING OF PAPER

Rudolf Haas, Berlin-Dahlem, Germany, assignor of one-half to Zellstofffabrik Waldhof, Mannheim-Waldhof, Germany, a joint-stock company of Germany

Application May 1, 1936, Serial No. 77,430
In Germany May 6, 1935
9 Claims. (Cl. 154—30)



3. A device for the longitudinal creping of webs of sheet material, particularly paper, comprising, in combination, a resilient roller over which the web is passed, said roller having a curved stationary axis as a reference line on which it is adapted to rotate, means for causing the web to travel over the surface of said roller in a direction from the convex toward the concave part thereof, and a pressure means which presses the web against the roller.

2,141,434

PREPARATION OF CYANINE AND RELATED DYES

Frances Mary Hamer and Nellie Ivy Fisher, Harrow, England, assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

No Drawing. Application March 19, 1936, Serial No. 69,724. In Great Britain March 21, 1935
11 Claims. (Cl. 260—240)

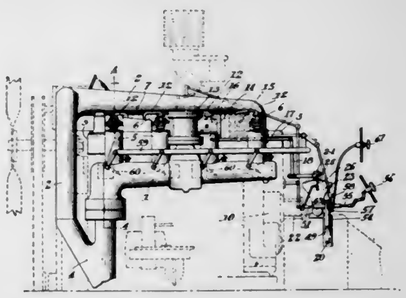
1. A process for preparing a dye comprising condensing, in the presence of a basic condensing agent, one molecular proportion of a 4-cyanoquinoline alkyl quaternary salt, with one molecular proportion of a cyclammonium alkyl quaternary salt containing a reactive alkyl group in a reactive position.

2,141,435

MEANS FOR ADAPTING A GASOLINE ENGINE TO THE USE OF OIL AS FUEL

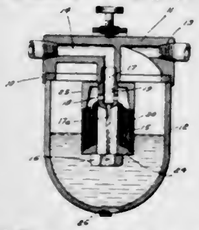
Carl Hansen and Paul Besner, Montreal, Quebec, Canada

Application April 5, 1937, Serial No. 135,179
1 Claim. (Cl. 123—32)



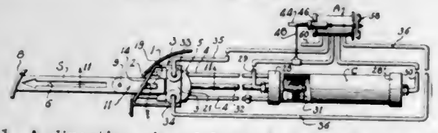
An internal combustion engine adapted to the use of both gasoline and oil comprising a gasoline carburetor, a gasoline supply for said carburetor, means for controlling the supply of gasoline to the carburetor, an oil injection nozzle for each cylinder, a pump for supplying oil to said nozzles at intervals, means for varying, independently of the speed of the pump, the amount of oil supplied by the pump, an exhaust manifold having extensions for circulating exhaust fumes about said nozzles, an intake manifold having an air inlet, a valve for said air inlet, said valve being controlled by and operating with the means for varying the amount of oil supplied by the pump, and means for changing over the engine from one fuel to the other comprising a rotor and a stator, said stator carrying two plungers one of which is connected to and operates the means for controlling the gasoline supply and the other of which is connected to the means for varying the amount of oil supplied by the pump, said rotor carrying one plunger connected to manual control means and adapted to register on movement of the rotor with either of the two stator plungers, and also a member connected to and operating valves between the exhaust manifold and its extensions so that when the engine is adapted for operation with fuel oil the valves are open, and means for moving the rotor and its plunger from registry with one plunger of the stator to registry with the other plunger of the stator.

2,141,436
FUEL REGULATOR
Guy H. Harris, Attleboro, Mass.
Application August 27, 1934, Serial No. 741,708
Renewed May 24, 1938
5 Claims. (Cl. 210—165)



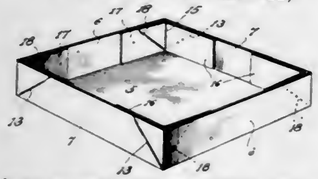
1. In a fuel flow regulator, a base having a top, a fuel inlet in said top, a fuel outlet in said top, a standard depending from said top, and having a central chamber communicating with said outlet, a member forming an annular chamber about said standard, lateral openings in the walls of said standard communicating said chambers, said chambers having a drainage passage communicating with the lower portion of said base, and a filter interposed between said inlet and said annular chamber.

2,141,437
VEHICLE DIRECTION SIGNAL
Charles O. Hill, Los Angeles, Calif.
Application February 25, 1936, Serial No. 65,573
7 Claims. (Cl. 116—39)



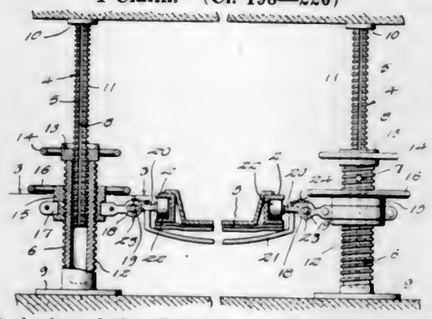
1. A direction signal for vehicles comprising: a cylinder, a piston therein, a semaphore operatively connected with said piston for pivotal movement relative thereto and for bodily movement therewith, a rotatable control valve connected with a source of vacuum and with opposite portions of said cylinder for applying vacuum to opposite sides of said piston so as to alternately slidably extend and retract said semaphore, an operating member for said valve, means controlled by said operating member for inclining said semaphore to different signalling positions from said slidably extending position, and means associated with said operating member for automatically releasing said operating member after an interval of time so as to permit the restoration of all of said means to normal positions.

2,141,438
PAPER BOX
Henry Hirsch, Jersey City, N. J.
Application April 6, 1938, Serial No. 200,519
2 Claims. (Cl. 229—41)



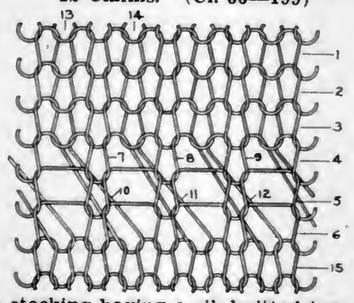
1. A box comprising oppositely disposed walls and oppositely disposed ends foldably connected to said walls, each of the walls having a fold line extending at an acute angle from each corner of the box, a bottom connecting said walls and ends, and a filler attached to said walls and ends adjacent each corner, the section of the filler attached to said ends also having a fold line extending at an acute angle from each corner of the box, the arrangement being such that the walls and ends may be folded upon the bottom or maintained in an erect position without folding said ends.

2,141,439
ADJUSTABLE ROLLER BRACE FOR SHAKER CONVEYERS
Luther E. Jarrett, Elkridge, W. Va.
Application June 29, 1937, Serial No. 151,023
1 Claim. (Cl. 198—220)



A device of the character set forth comprising vertically arranged supporting members, a conveyer located to travel between said members, channeled members secured on opposite sides of the conveyer and rigidly connected with each other, said members having feed threads, feed nuts threaded on said members, collars journaled on said feed nuts and disposed horizontally, stub shafts pivotally and detachably connected to said collars, means rigidly connecting said stub shafts in oppositely disposed pairs, and rollers journaled on the stub shafts and engaging in the channeled members whereby the conveyer is free to slide relative to the supporting members and may be leveled and tilted relative to a horizontal plane by adjusting the feed nuts on said members.

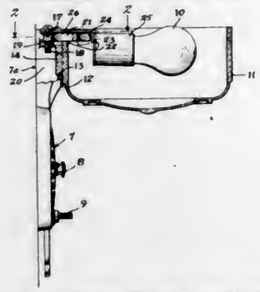
2,141,440
KNITTED FABRIC AND METHOD OF MAKING THE SAME
Robert H. Lawson, Pawtucket, and Arthur N. Cloutier, Lonsdale, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application June 18, 1936, Serial No. 85,944
12 Claims. (Cl. 66—199)



1. A stocking having a rib knitted top, a plain knitted leg having the same number of wales

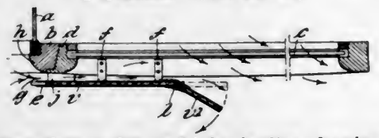
therein as the top, and a transfer portion between the top and leg consisting of a plurality of courses of plain fabric knitted in continuation of the plain wales of the top, and elongated loops of the last knitted rib course extending from a rib wale, behind a plain wale and into a plain wale knitted in continuation of another rib wale.

2,141,441
ELECTRIC LIGHTING FIXTURE
Glenn E. MacFadden, Buffalo, N. Y., assignor to Markel Electric Products, Inc., Buffalo, N. Y., a corporation of New York
Application February 3, 1937, Serial No. 123,896
4 Claims. (Cl. 240—73)



1. An electric lighting fixture including a lamp, a light modifying means associated with said lamp and having a wall, said wall carrying a lug and being formed to provide an opening, a support for said light modifying means, said support being formed to provide an opening to accommodate said lug and a clip which is carried by said support, said clip having resilient arms which extend through said first named opening and engage said wall to hold said lug in said last named opening, whereby to support said light modifying means in a predetermined position, said arms being yieldable to permit said lug to be withdrawn from said last named opening to enable said light modifying means to be detached from said support.

2,141,442
VENTILATOR
Albert Alfred Mead, Blackheath, London, and Lionel Lynes, Penge, London, England, assignors to Mead, McLean & Company, Limited, London, England, a company of Great Britain
Application August 10, 1937, Serial No. 158,420
In Great Britain February 25, 1937
4 Claims. (Cl. 98—2)

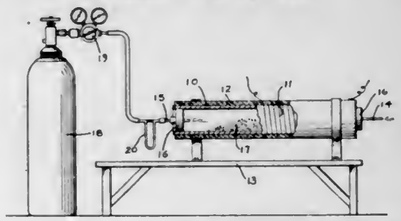


3. Ventilator for vehicle bodies having side openings comprising a flat vane having an angularly disposed rear end portion, means for supporting said vane with its leading edge disposed a short distance laterally outward from a vehicle part at the forward end of a side opening of the vehicle so as to provide a narrow leading slot opening between said leading edge and vehicle part and presented in the direction of travel, the angularly disposed rear end portion of the vane flaring outwardly from the plane of the vehicle side and being positioned sufficiently rearwardly with respect to the side opening to produce an outflow of air through said opening adapted for preventing indraught rearwardly of said vane when the vehicle is moving forwardly.

2,141,443
PRODUCTION OF GLYCOL DERIVATIVES
Herbert Muggleton Stanley, Tadworth, James Ernest Youell, Wallington, and Gregoire Minkoff, Belmont, England
No Drawing. Application January 14, 1937, Serial No. 120,630. In Great Britain January 24, 1936
8 Claims. (Cl. 260—614)

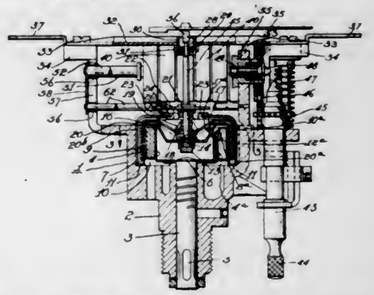
1. The condensation of olefine oxides with a hydroxylated reactant selected from the group consisting of water, alcohols and phenols, comprising essentially reacting the components in the presence of a dehydrating metal oxide as catalyst under conditions of temperature and pressure suited to maintain the liquid phase during the reaction.

2,141,444
METHOD OF PURIFYING ALUMINOUS MATERIALS
Martin E. Nordberg, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application March 16, 1937, Serial No. 131,265
1 Claim. (Cl. 23—142)



The method of removing iron from high alumina materials, which includes mixing with a small quantity of the material from one to ten times the amount of carbon necessary to satisfy the equation $Fe_2O_3+3C+3Cl_2=2FeCl_3+3CO$, based on the initial iron content of a total batch of the material to be treated, placing the carbonaceous mixture adjacent the non-carbonaceous batch, heating the whole to a temperature of 900°–1150° C. while excluding air and introducing chlorine gas so as to pass first through the carbonaceous mixture.

2,141,445
MAGNETIC SPEEDOMETER
Thorolf Paul, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application January 13, 1936, Serial No. 58,866
6 Claims. (Cl. 264—13)



1. In a magnetic instrument, a permanent magnet composed of a piece of bar stock completed for use by bending alone into cylindrical

form with a gap between its ends, said bar having a width at least three times its thickness and being bent so that its width comprises the length of its cylindrical form while its thickness is disposed radially thereof, means supporting said magnet for rotation about the axis of its cylindrical form, and a non-magnetic drag element journaled to rotate independently of the magnet about the same axis, and having a portion extending in closely spaced relation to the cylindrical surface of the magnet with uniform clearance between said magnet and said portion of the drag element throughout their relative rotational movements.

2,141,446

BICYCLE PEDAL

Charles A. Persons, Worcester, Mass., assignor to Persons-Majestic Mfg. Company, Worcester, Mass., a corporation of Massachusetts

Application March 24, 1937, Serial No. 132,682
1 Claim. (Cl. 74—594.5)



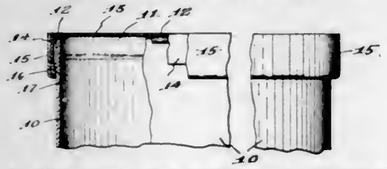
A bicycle pedal comprising a spindle, bearings adjacent the opposite ends of the spindle on which the remaining parts of the pedal structure are journalled, end plates journalled on the bearings, a pair of treads extending between and secured to opposite end plates and positioned on opposite sides of the spindle to be substantially in balance relative to the spindle, and a dust cap secured to the outer end plate, said dust cap having its center of gravity offset from the axis of the spindle to such an extent that, when the pedal structure is free to rotate on the spindle, the offset weight of the dust cap will cause the pedal structure to assume always the same predetermined position relative to the horizontal.

2,141,447

SLIP COVER CONSTRUCTION

John F. Price, Fulton, N. Y., assignor to Oswego Falls Corporation, Fulton, N. Y., a corporation of New York

Application July 7, 1937, Serial No. 152,400
2 Claims. (Cl. 229—5.5)



1. A slip cover for containers comprising a discoidal portion having a depending annular flange, a ring member encircling said flange and being secured thereto and extending beyond the edge of said flange, said extending portion of the ring member being folded inwardly upon itself with said infolded portion abutting against the edge of said flange and being secured to the inner side of the ring member.

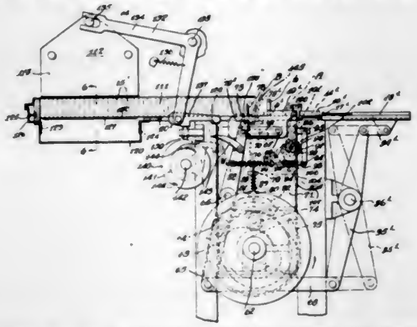
2,141,448

PACKET BOXING MACHINE AND METHOD

Rodney S. Pullen, Akron, Ohio

Application December 28, 1936, Serial No. 117,819
14 Claims. (Cl. 226—4)

1. The method of forming on a table rows of match packets for boxing, which consists in delivering the match packets for each row successively in flat position on the table, in advancing them on the table step by step in flat position, in tilting the alternate packets reversely between successive step-by-step advances at one of their step positions, lifting the front end of the first while it is at the said one position and the rear end of the second while it is at the said position



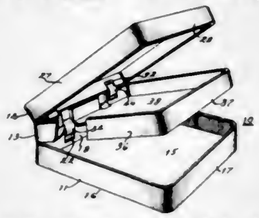
and so on, in continuing the upending movement and the advancing movement of the packets on the table by forwardly directed pressure upon the rearward ends of the tilted packets and in forcing the upended packet against the packets which have been upended before it to form on the table a progressive advancing row of upended packets.

2,141,449

CLOSED RECEPTACLE OR CASE

Merrill L. Rathbun, Jamestown, N. Y.

Application December 2, 1936, Serial No. 113,864
3 Claims. (Cl. 220—31)



1. A receptacle comprising base and cover elements, an intermediate element having a vertical wall, a pivot bead on one horizontal edge of said wall, a pivot seat on the other horizontal edge of said wall, a corresponding pivot bead and seat on the base and cover elements, spring seats in all of said elements, said seats being arranged in pairs, one in each adjacent element, and being in operative alignment, one pair of said seats being laterally offset and overlapping another pair of said seats to facilitate use thereof in a relatively shallow receptacle and springs engageable with said seats for securing all of said elements in pivotal relationship.

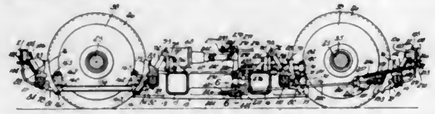
2,141,450

BRAKING MECHANISM FOR RAILWAY CARS

Charles De Los Rice, West Hartford, Conn.

Application July 24, 1935, Serial No. 32,851
5 Claims. (Cl. 188—56)

1. A railway car braking mechanism comprising a car truck frame supported by a plurality of rotatably mounted car wheels, a brake shoe engageable with the tread of each car wheel, means connected to the frame including a device which pivotally supports each brake shoe for a swinging movement into and out of wheel engagement, a brake shoe beam interconnecting and rotatably journalled within a pair of brake shoes, an equalizer arm, a bracket pivotally connecting the mid portion of the equalizer arm to the mid portion of the brake shoe beam, an anchor beam adjustably and rigidly secured at one end to the truck frame, means pivotally and slidably connecting the other end of the anchor



beam to one end of the centrally pivoted equalizer arm, power actuated mechanism pivotally secured to the other end of the equalizer arm and arranged to move the brake shoe beam and simultaneously cause a uniformly distributed braking pressure of two brake shoes against a pair of wheels, and means to adjust the position of the anchor beam on the frame to compensate for brake shoe wear.

2,141,451

APPARATUS FOR THE PNEUMATIC SEPARATION OF MATERIALS OF DIFFERENT SPECIFIC GRAVITIES AND SIZES

Frank Frost Ridley, Rutland Park, Sheffield, England, assignor to Colliery Engineering Limited, Yorkshire, England, a British joint-stock company

Application June 1, 1936, Serial No. 82,998
In Great Britain June 5, 1935
6 Claims. (Cl. 209—44)



4. Apparatus for the separation of materials of different specific gravities by stratification of the materials, comprising an air box, a table disposed over said air box and having a stratification zone with a flat pervious bottom, means for maintaining a bed of materials of substantially even thickness on said zone, means for subjecting the bed to the influence of static pneumatic pressure for maintaining the bed as a whole in equilibrium with said pressure to induce a state of fluidity in the bed with the minimum escape of air therethrough and a narrow discharge sieve disposed in the pervious bottom across the width of the table at the forward end of the stratifying zone, said sieve being in pneumatic communication with the air box and having perforations larger than those in the pervious bottom and at least as large as the largest particles of the lower stratified layer of materials for riddling the lower layer into the air box at the end of the stratifying zone while the less dense materials stratified by said pneumatic pressure occupy the upper layer, due to the maintenance of the fluid conditions above the said sieves during the discharge therethrough of material from the lower stratified layer.

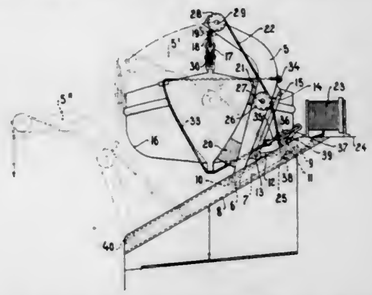
2,141,452

MEANS FOR LAUNCHING LIFEBOATS

Ane Pieter Schat, Utrecht, Netherlands

Application November 18, 1936, Serial No. 111,502
5 Claims. (Cl. 9—22)

1. In an installation for handling a lifeboat on board a vessel, the combination with a track arranged athwartships on the vessel and sloping down towards the water, of a carriage adapted to run on the track, a davit arm connected with its foot to the carriage so as to be capable of luffing movement relative thereto, and a linkage comprising pivotally connected members hinged



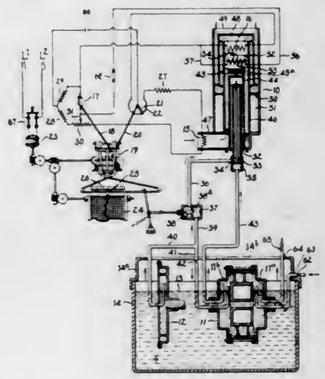
to the davit arm intermediate the foot and the head thereof and also hinged to the carriage a suitable distance inwardly of said connection so as to prevent the davit arm from luffing outward beyond a predetermined angular distance.

2,141,453

APPARATUS FOR CALORIMETRY OF COMBUSTIBLE FLUIDS

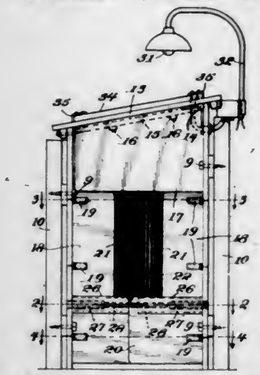
Edwin X. Schmidt, Whitefish Bay, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application October 17, 1936, Serial No. 106,177
19 Claims. (Cl. 73—190)



1. In a recording calorimeter, in combination, a burner, means for supplying to said burner a continuous volumetrically constant flow of combustible gas, means for also supplying to said burner a continuous volumetrically proportioned flow of a fluid adapted to support combustion of said gas, means comprising a plurality of electrical elements of different thermal sensitivity to be subjected to the heating effect produced by combustion of said gas, said elements being so arranged with respect to each other as to produce a differential electrical effect as a function of variations in the rate at which heat is liberated by such combustion, associated means responsive to the value of such differential effect for substantially instantaneously modifying the reading of the calorimeter recorder, and said different electrical elements having thermal characteristics so related to each other as to provide for gradual reduction to zero value of said differential effect.

2,141,454
CATTLE FLY TRAP
Henry E. Sudlow, Coral Gables, Fla.
Application October 26, 1937, Serial No. 171,106
4 Claims. (Cl. 119—156)



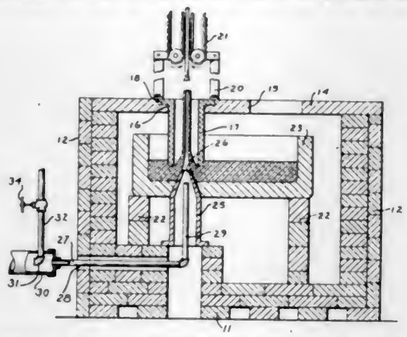
1. A de-flying chute for animals comprising side walls between which the animal may pass, a top connected to the side walls and having an opening for admitting light to attract flies upwardly between the side walls, flexible sectional door sides secured to the walls having the lower portions overlapped, springs in the overlapping portions of the door sides for closing the sides to rub flies off the legs of an animal, an inverted U-door top section suspended from the top and overlapping the door side upper ends, and means on said top for destroying flies rising to said light admitting opening.

2,141,455
PROCESS OF DEGRADING PROTEIN PRODUCTS
Charles Weizmann, London, England
No Drawing. Application July 18, 1935, Serial No. 32,123. In Great Britain July 21, 1934
13 Claims. (Cl. 99—17)

4. The process which comprises mixing yeast with up to about 10% of its weight of ethyl acetate, to effect plasmolysis in a period of the order of 10 minutes, incubating the plasmolyzate for a longer period whilst making additions of sodium phosphate to the magma throughout the time of said incubation in quantities and at intervals regulated to maintain the pH within the approximate range of 6.3–6.6 to produce yeast autolyzate, then mixing the said yeast autolyzate with vegetable material having a high content of degradable protein, and incubating the mixture at a temperature of approximately 36° C. whilst again maintaining the pH within the approximate range of 6.3 to 6.6 by regulated alkaline additions.

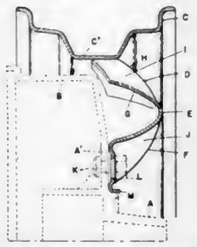
2,141,456
METHOD OF DRAWING GLASS TUBING
William J. Woods, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application July 7, 1936, Serial No. 89,397
2 Claims. (Cl. 49—83.1)

1. The method of making glass capillary tubing having a flat sided bore which comprises drawing a tube of glass upwardly from a molten bath over and in contact with a hollow shaping member of generally circular cross section having a V-shaped indentation in one side thereof extending to its tip, and limiting the effect of surface tension in the bore of said tube to that required to change the V-shape imparted to the bore wall by the shaping member to planar shape



by creating a partial vacuum in the bore during the drawing of the tube.

2,141,457
VEHICLE WHEEL
Charles S. Ash, Milford, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application October 7, 1935, Serial No. 43,961
4 Claims. (Cl. 301—9)

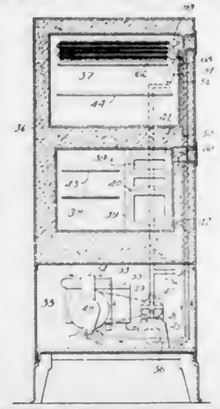


3. In a wheel, the combination with a hub and a rim, of an annulus extending therebetween, said annulus having a radial cross-section in the form of a transversely extending relatively deep arch, the apex of which is spaced from the inner margin more than one-half the radial distance between the same and the outer periphery, and axially inwardly and radially extending corrugations in the portions of said arch on both the radially inner and outer side of the apex thereof.

2,141,458
METHOD OF PREPARING COLLOIDAL CARBONATES
Walter C. Bates and Raymond R. McClure, Painesville, Ohio, assignors to Diamond Alkali Company, Painesville, Ohio, a corporation of Delaware
No Drawing. Application September 28, 1937, Serial No. 166,114
6 Claims. (Cl. 23—66)

1. A method of preparing colloidal alkaline earth metal carbonates comprising treating a slurry containing a soluble alkaline earth metal salt other than a carbonate or hydroxide and an alkaline earth metal hydroxide by simultaneous additions thereto, with agitation, of an alkali metal carbonate and carbon dioxide gas, said soluble alkaline earth metal salt being supplied in excess of the theoretical quantity required to react with said alkali metal carbonate and being soluble in water at least to the extent of 1 part in 200 at 30° C. and said carbon dioxide gas being supplied in excess of the theoretical quantity required to react with said alkaline earth metal hydroxide.

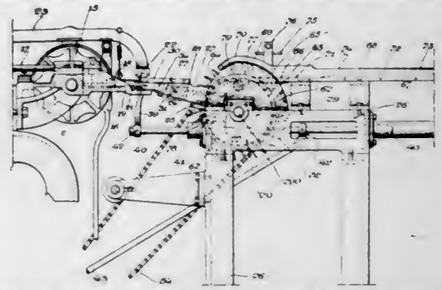
2,141,459
MULTIPLE COMPARTMENT REFRIGERATOR
Lewis J. Bronaugh, Portland, Oreg., and Thomas I. Potter, Buffalo, N. Y., assignors, by direct and mesne assignments, to Refrigeration Patents Corporation, Buffalo, N. Y., a corporation of New York
Application January 30, 1934, Serial No. 708,936
2 Claims. (Cl. 62—116)



2. A household refrigerator comprising a cabinet having two chambers thermally insulated from each other, means for maintaining the temperature in one chamber above freezing and within a very narrow temperature range, means for maintaining the other compartment always well below freezing but within a relatively wide temperature range, said means including refrigerant expanders in the respective chambers connected in parallel, the expander in the warmer chamber presenting a relatively large nonfrosting heat exchange surface to the air in said chamber, the expander in the low temperature chamber presenting a relatively small heat exchange surface and means responsive substantially to the surface temperature of the expander in the warmer chamber for stopping circulation of refrigerant through both expanders.

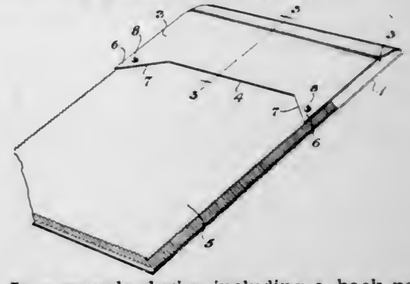
2,141,460
MECHANISM FOR ASSEMBLING MATCH PACKETS AND THE LIKE
Hugo Brown and Wilmer C. Nicodemus, Barberton, Ohio, assignors to The Diamond Match Company, New York, N. Y., a corporation of Delaware
Application October 9, 1937, Serial No. 168,145
11 Claims. (Cl. 226—4)

1. In a machine for assembling packets each including a cover having a flat back and a folded front portion, means for supporting succeeding pairs of laterally spaced packets in similar endwise and face arrangement and for feeding to different levels the packets of each pair, and a carrier element having a succession of open pockets, means for actuating said carrier element to locate each succeeding pair of pockets for the reception of a pair of packets at said levels, one packet in each pocket, and means for progressively tipping toward the mid-section of the carrier the packets of each succeeding pair borne by the carrier, thereby arranging the packets of adjacent pockets in alternate order in endwise reversed relation in a single row and with the flat



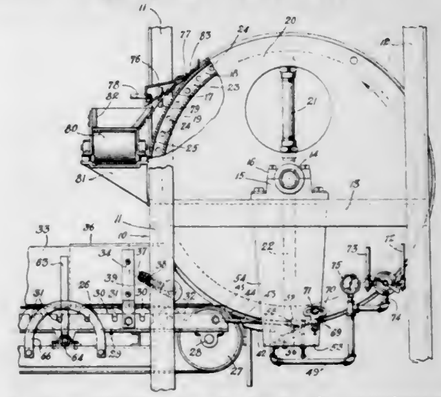
back of each packet facing the folded front of the adjacent packet.

2,141,461
SAMPLE CLOTH DISPLAY RETAINER
Louis Cahn, Cincinnati, Ohio, assignor to The Globe Tailoring Company, Cincinnati, Ohio, a corporation of Ohio
Application July 15, 1938, Serial No. 219,424
5 Claims. (Cl. 206—82)



1. In a sample device including a back panel, an end clamping portion overlying said back panel and formed with downwardly extending tabs along its marginal edges, display sheets positioned between the back panel and clamping portion; and fastening means extending through said downwardly extending marginal tabs for securing the display sheets in position.

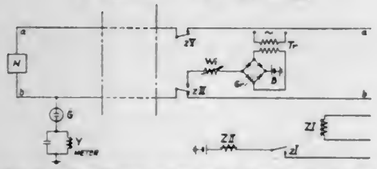
2,141,462
CHILLING DEVICE FOR DAIRY PRODUCTS AND THE LIKE
Charles Doering, Chicago, Ill., assignor of one-half to Henry Doering, Chicago, Ill.
Application September 12, 1936, Serial No. 100,505
18 Claims. (Cl. 62—114)



1. In a chilling mechanism, the combination

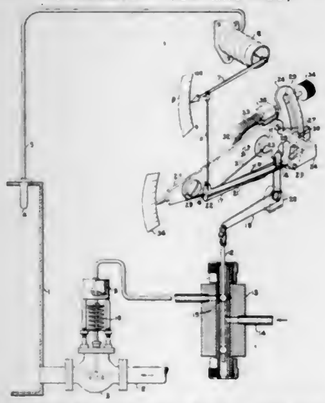
with means for feeding non-rigid edible substances along a predetermined path, of chilling means for effecting the traverse of said substances beyond said path to convert edible substances to a chilled rigid solid state, and temperature controlled means interposed between said feeding and chilling means to effect the transfer of the substances from said feeding means to said chilling means.

2,141,463
TELEPHONE METERING SYSTEM
Hinrich Döhle, Berlin-Haselhorst, Germany, assignor to Telephon-Apparat Fabrik E. Zwietusch & Co., Berlin, Germany
Application November 2, 1935, Serial No. 47,971
In Germany November 29, 1934
4 Claims. (Cl. 179—11)



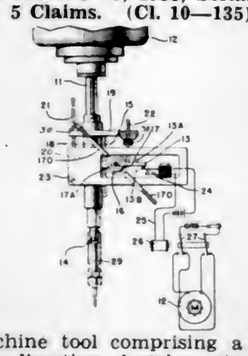
1. In a telephone metering system, a subscriber's station and line therefor, a call charging meter at said subscriber's station, a glow lamp connecting said meter with one conductor of said line, an exchange battery, means for connecting said battery to said line to supply talking current for calls thereover, a full wave rectifier connected to said exchange battery, a transformer connected to said rectifier, a source of alternating current connected to said transformer, and means for connecting said rectifier and said exchange battery in series to said line to strike said glow lamp and operate said meter.

2,141,464
REGULATING APPARATUS
Harvard H. Gorrie, Cleveland Heights, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application October 22, 1934, Serial No. 749,503
7 Claims. (Cl. 236—86)



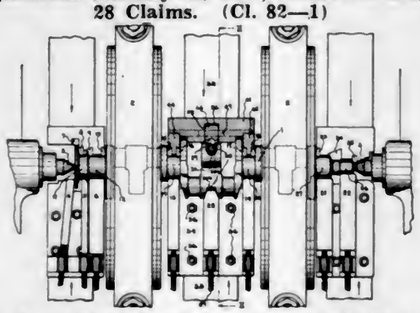
1. In control apparatus for maintaining a condition at a desired magnitude, in combination, a movable member positioned in accordance with changes in the condition, a fixed support, a crank arm pivotally connected to said fixed support and to said movable member, means for angularly positioning said fixed support about a fixed center substantially coincident with the pivot connection between said movable member and said crank arm, means for angularly positioning said fixed center and said fixed support about a second fixed center, and means for regulating the application of an agent affecting the condition in accordance with the position of said member.

2,141,465
TAP CHUCK
Victor Grey, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application October 10, 1936, Serial No. 104,962
5 Claims. (Cl. 10—135)



4. A machine tool comprising a drive shaft, a reversible direction electric motor for actuating said drive shaft, a driven shaft coupled to said drive shaft including a spline connection therebetween for permitting the longitudinal movement of the driven shaft with respect to said drive shaft, a quill on said driven shaft, a rack and pinion for longitudinally moving said quill and said driven shaft, an adjustable stop carried by said quill and abutting a fixed object to limit the movement of said quill and said driven shaft, an adjustable switch controlling member carried by said quill for reversing the direction of said motor after the attainment by said quill of a predetermined distance of longitudinal movement, and a tool holding chuck carried by said driven shaft.

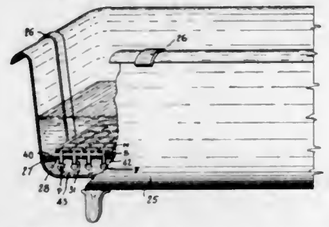
2,141,466
METHOD OF MACHINING CRANKSHAFTS
William F. Groene and Walter R. Meyer, Cincinnati, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application January 21, 1937, Serial No. 121,509
28 Claims. (Cl. 82—1)



1. A method of machining crankshafts comprising chucking and rotating a crankshaft in a lathe, machining bearing portions and a peripheral locating area on a web of said crankshaft, removing said crankshaft from said lathe, and rechucking said crankshaft in another lathe by means of said previously machined locating area whereby further machining operations may be undertaken on said crankshaft.

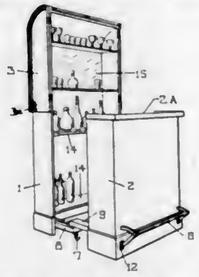
15. A chucking device for crankshafts comprising, a rotatable work spindle, a chucking ring applicable to a finished locating area on a crankshaft, abutment areas on said spindle adapted to engage said chucking ring whereby said chucking ring is located and driven by said spindle, and abutment means on said chucking ring whereby said crankshaft is located and driven by said chucking ring.

2,141,467
NONSKID DEVICE FOR BATHTUBS AND LIKE FIXTURES
John F. Gutmann, Richmond Hill, N. Y.
Application October 4, 1937, Serial No. 167,151
15 Claims. (Cl. 4—185)



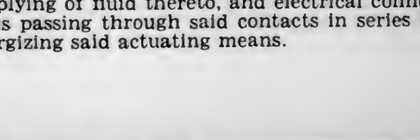
1. An article of the character described comprising a perforated plate fitting into a receptacle adapted to contain water, and vertically slidable floats operable in said plate and depressible when in surface contact with a part of the human body.

2,141,468
BAR CABINET
Rex G. Hamaker, Houston, Tex.
Application August 27, 1937, Serial No. 161,183
2 Claims. (Cl. 312—140.2)



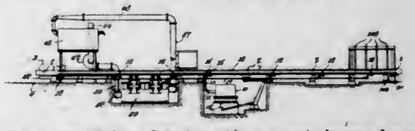
2. A bar cabinet including front and rear sections movable toward and away from each other; said rear section having a roll top; a pair of wings hinged to said rear section; a pair of rear supporting rollers under said rear section for supporting the rear portion thereof; a pair of forward supporting rollers under said rear section for supporting the forward portion thereof; said forward section being of a height less than the height of said rear section, and having a substantially flat top; when said sections are adjacent each other said wings being movable to a position over the opposite ends of the flat top of said forward section; said roll top being movable downwardly and forwardly between said wings and to the forward part of said flat top on said front section to close said cabinet and said forward section being supported by said rear section so that said cabinet may be moved about on said rollers; the connection between said forward section and rear section being such that when said forward section is moved forwardly away from said rear section the forward bottom portion of said forward section will rest upon the floor to hold said cabinet in place; said roll top being movable upwardly and rearwardly and then downwardly and rearwardly in said rear section until the forward end of said roll top is substantially flush with the upper portion of said rear section; and said wings being swingable backwardly to a position adjacent the sides of said rear section.

2,141,469
TONG LINE CONTROL FOR SKIDDER CARRIAGES
Arthur E. Hansen, Seattle, Wash., and Charles W. Spiering, Portland, Oreg., assignors to Young Iron Works, Seattle, Wash., a corporation of Washington
Application November 2, 1937, Serial No. 172,394
10 Claims. (Cl. 212—89)



1. In a cableway carriage, a sheave fixedly journaled in the carriage, over which sheave passes a hoisting line having a vertical run and a lateral run, a second sheave mounted in the carriage and operatively connected to the first sheave to rotate therewith, over which second sheave passes a slack puller line connected to the lateral run of the hoisting line, and means to press the hoisting line, as it runs over its sheave, into engagement with such sheave, thereby to effect positive downward movement of the vertical run of the hoisting line at a rate corresponding to the rate of movement of the slack puller line.

2,141,470
CONTAINER TREATING MACHINE
Geoffrey M. Harry, Milwaukee, Wis., assignor to Harnischfeger Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application February 8, 1935, Serial No. 5,625
3 Claims. (Cl. 91—44)



1. In a machine for treating containers having an opening, the combination comprising a movable spray head, means for projecting and retracting said spray head and supplying fluid thereto when in the projected position, a bed for supporting a container with the opening thereof in position to permit said spray head in retracted position to slightly penetrate said opening, depressible electrical contacts positioned on opposite sides of said bed to be depressed by said container when the same is positioned with the opening thereof surrounding said spray head so that said container is supported entirely by said bed, spray head actuating means for actuating the projecting movement of said spray head and the supplying of fluid thereto, and electrical connections passing through said contacts in series for energizing said actuating means.

2,141,471
HATCH FRAME CONSTRUCTION FOR CAR ROOFS
David W. Hawksworth, Birmingham, Mich., assignor to Chicago-Hutchins Corporation, Chicago, Ill., a corporation of Delaware
Application May 4, 1936, Serial No. 77,877
6 Claims. (Cl. 108—5.4)



1. In a car roof having a hatch opening therein, a roofing sheet having a registering opening of larger dimensions and provided with an upwardly extending continuous annular flange surrounding said opening, a metallic hatch frame having a depending portion extending within said hatch opening and a portion extending upward above said annular flange and then outward and downward to continuously surround said flange and bear upon said roofing sheet below said flange with a clearance between the same and said flange, and securing means for holding said metallic frame down upon said roofing sheet to form a weather-proof joint while permitting independent movement of said sheet.

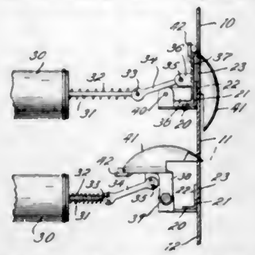
2,141,472
SPINNING RING AND TRAVELER THEREFOR
Harvey E. Herr, Buffalo, N. Y., assignor to Herr Manufacturing Company, Inc., Buffalo, N. Y., a corporation of New York
Application December 29, 1936, Serial No. 118,073
10 Claims. (Cl. 118—59)



1. A device of the character described, comprising a supporting member containing a central opening through which a take-up spool is adapted to extend and having an annular flange rising therefrom about said opening, a spinning ring for a bar traveler mounted on said supporting member in spaced concentric relation about said flange, said ring including a bearing face on its underside and a substantially upright inner peripheral wall extending above the top of said flange and constituting a bearing face, and a bar traveler having a thread-engaging bar containing thread-loops disposed above the plane of the top edge of the annular flange and having depending legs at its ends terminating in bearing arms for engagement with the underside of the bearing face of the spinning ring, the traveler-legs being engageable at their outer sides with the peripheral bearing face of the inner wall of said ring and adapted to engage at their inner sides with said annular flange to support the traveler out of contact with the take-up spool.

2,141,473
SIGNALING SYSTEM
Halvard P. Hubertz, Chicago, Ill.
Application November 8, 1937, Serial No. 173,400
12 Claims. (Cl. 40—28)

1. In a signaling system of the type wherein a plurality of signaling elements are energized to delineate a signal, the combination of a board having a plurality of slots therethrough at intervals, a signal element disposed at each slot and carried by said board at the rear thereof, each signal element having a substantial surface area, and means for moving each signal element in



response to a signaling impulse edgewise through the corresponding slot and disposing sa'd signal element in front of said board with its maximum area available to cover the board, said signal elements being adapted to offer a decided optical contrast to said board.

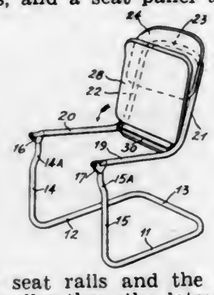
2,141,474
RAZOR BLADE
William H. Huenergardt, Chicago, Ill.
Original application June 15, 1934, Serial No. 730,697. Divided and this application April 20, 1936, Serial No. 75,305
10 Claims. (Cl. 30—51)



1. In a razor blade holder, the combination with a casing having an opening, means in said casing for retaining a plurality of razor blades in a predetermined position for support without impairment to the shaving edge thereof, a closure movably mounted on said casing relative to said opening, and indexing means serving as positive stops for successively bringing the razor blades in registry with said opening for individual removal therefrom.

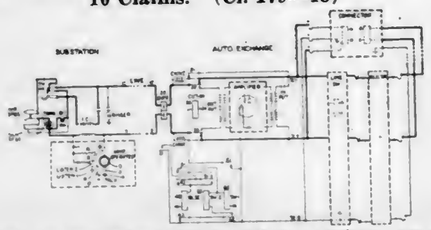
2,141,475
FOLDABLE METAL FURNITURE
Udo K. Johannsen, Cortland, N. Y.
Application December 17, 1937, Serial No. 180,418
5 Claims. (Cl. 155—55)

4. A folding chair comprising a unitary tubular base frame including a pair of fixedly spaced floor rail components lying in a common plane whose corresponding rail ends are in unfolded position upturned into mated leg components, complementary knuckle joints respectively applied to each free terminal region of such leg components and which joints have their knuckle pivots located in an axially offset relation to the leg perimeter next adjacent thereto, a unitary back frame comprising a pair of seat carrying rail components upon which at corresponding ends there are erected interconnected upright components and having the other rail ends operatively attached to a different knuckle joint, a back panel fixedly mounted upon said upright components, and a seat panel tiltably mounted



across the seat rails and the width of which panel is smaller than the lateral spacing given to the floor contacting rail components of the base frame and enterable between the chair legs, said seat panel in folded chair position being disposed to one side of the aforesaid plane and the back panel being oppositely disposed relative thereto.

2,141,476
TELEPHONE SYSTEM
Clarence E. Lomax, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application November 18, 1935, Serial No. 50,257
10 Claims. (Cl. 179—18)

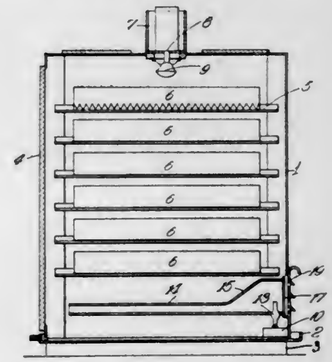


10. In an automatic telephone system, an exchange, a calling subscriber's line terminating in said exchange, means at said exchange controlled by said calling subscriber for completing a normal talking connection between said calling subscriber and a desired called subscriber, an amplifier included in said means normally disconnected from said normal talking connection; a switch operated at will by said calling subscriber for controlling the connecting of said amplifier in series with said normal talking connection to amplify the voice currents received by the calling subscriber, for varying the volume of the voice currents received by the calling subscriber, and for disconnecting the amplifier from the normal talking connection; said switch controlling operations only effective during the time said connection is established.

2,141,477
PROCESS OF PREPARING ALUMINUM SALTS OF LOWER ALIPHATIC ACIDS
Josef Lösch, Knapsack, near Cologne-on-the-Rhine, Germany, assignor to Aktiengesellschaft für Stickstoffdunger, Knapsack, near Cologne-on-the-Rhine, Germany
No Drawing. Application March 9, 1937, Serial No. 129,943. In Germany July 7, 1934
7 Claims. (Cl. 260—448)

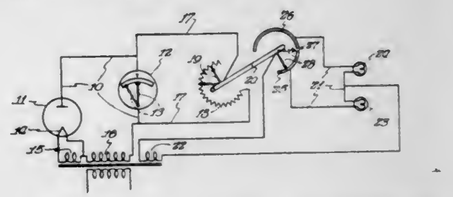
1. Process of preparing neutral aluminum salts of lower aliphatic acids which comprises heating metallic aluminum with a lower aliphatic acid in the presence of an anhydride of a lower aliphatic acid.

2,141,478
APPARATUS FOR THE GERMINATION OF SEEDS AND THE GROWTH OF SEEDLINGS
Henry Hilton Blair Lund, Welwyn Garden City, England
Application July 6, 1937, Serial No. 152,268
In Great Britain July 6, 1936
2 Claims. (Cl. 47—16)



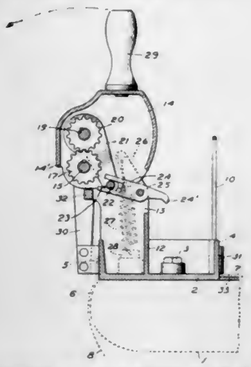
1. In a soil-less cultivation cabinet a heating means comprising a hollow baffle dimensioned so as to lie within, and extend across, the lower portion of the interior of the cabinet, a closure member at the rear open end of the baffle, the front end thereof opening into the cabinet, an inlet at the rear end of the said baffle, an oil heater arranged to supply hot gases to the inlet of said baffle, the wall of the cabinet adjacent the rear end of the baffle being formed with an aperture to allow access to the oil heater, and a shutter which normally closes said aperture and through which air may pass.

2,141,479
TUBE TESTER
Harold P. Manly, Niles Center, Ill.
Application April 13, 1936, Serial No. 74,104
4 Claims. (Cl. 250—27)



1. A tube tester comprising a tube testing circuit including a current indicator and means for inserting a tube to be tested therein; an adjustable resistor in shunt with said indicator; an adjustable contact for adjusting said resistor to vary the current flowing through said indicator; two signaling devices; and an operative mechanical connection between said contact and said signaling devices arranged to operate one device upon shifting of said contact in one direction and the other upon such shifting in the other direction.

2,141,480
NECK-BAND CLAMP FOR LAUNDRY PRESSES
Stanley Marvin, San Francisco, Calif., assignor, by mesne assignments, to B. E. Witkin, Oakland, Calif.
Application February 20, 1937, Serial No. 126,859
6 Claims. (Cl. 38—13)

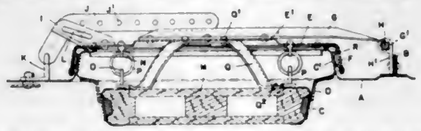


2. In a laundry press, a shirt neck-band clamping device comprising a base portion adapted to be secured to a press buck and provided with an upstanding flange formed to receive the neck-band, a strap formed to embrace the outer side of the neck-band for clamping it to the flange, an upwardly extending bracket on said base portion, a head portion pivoted on a horizontal axis to said bracket and provided with an operating handle, a shaft carried by said head portion and to which said strap is operatively connected, and cooperating gear means carried by said head and base arranged and adapted to swing said strap into and out of clamping position at a higher angular velocity than that of said head when the head is swung.

6. In a shirt neck-band clamp of the character described, a hand operated head mounted to swing in an arc in a vertical plane, means mounting a clamping strap for swinging with the head to clamping and released positions with respect to a cooperating neck-band form fastened to a pressing buck, and spring toggle means adapted and arranged to engage the strap mounting means and resiliently force said strap to clamping position said spring toggle means including a lever pivotally mounted with respect to said neck band form, cooperating means operatively connected with said head and said lever and consisting of a projection operatively associated with one, and a slotted member operatively associated with the other, and stop means to limit the motion of said lever away from an engaging position to a position substantially tangent to the arcuate path of said cooperating means associated with the head, said spring toggle being arranged and adapted to have its dead center position lie between said substantially tangent position and a position in which the neck band engages said form.

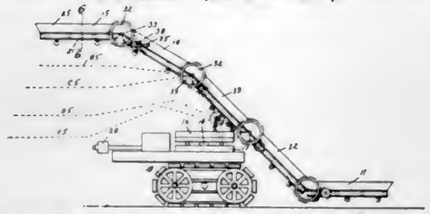
2,141,481
HATCH CLOSURE
Edward H. Mattingley, Chicago, Ill., assignor to Chicago-Hutchins Corporation, Chicago, Ill., a corporation of Delaware
Application April 19, 1938, Serial No. 202,994
7 Claims. (Cl. 105—377)

1. In a hatch construction, the combination with a hatch frame, of a cover therefor, a hinge for said cover, a plug for engaging said frame beneath said cover, a connection for suspending said plug from said cover, and resilient means be-



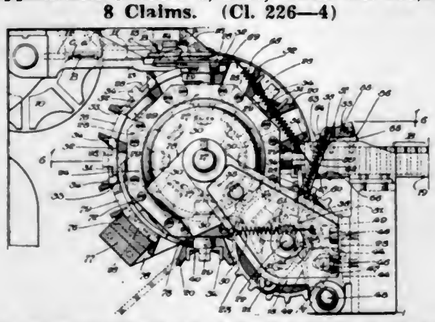
tween said cover and plug for forcing and holding the latter to its seat when said cover is closed.

2,141,482
LOGGING CONVEYER
William E. McCraw, Bishops Falls, Newfoundland
Application September 1, 1936, Serial No. 98,996
1 Claim. (Cl. 198—115)



A mechanical brower comprising a framework supported on a carriage, a turntable mounted on said framework, a movable conveyer formed of a plurality of sections mounted on said turntable, one of said sections being hinged to said turntable for vertical movement, a shaft pivotally connecting each section to an adjacent section permitting each section to be swung on said shaft to different positions and means carried by each section for moving the same to different positions comprising a cog wheel carried by each shaft and attached to the end of one section, a second cog wheel meshing therewith carried by the adjoining section, a crank for rotating said second cog wheel and a pawl engaging with said second cog wheel.

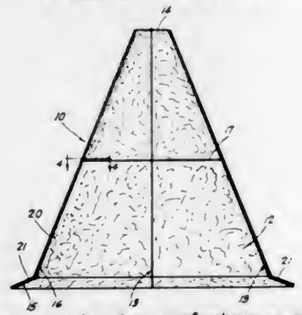
2,141,483
MECHANISM FOR ASSEMBLING MATCH PACKETS AND THE LIKE
Lucian E. Parker, Wadsworth, Ohio, assignor to The Diamond Match Company, New York, N. Y., a corporation of Delaware
Application October 9, 1937, Serial No. 168,143
8 Claims. (Cl. 226—4)



1. In a machine for assembling packets each including a cover having a flat back and a folded front portion, the combination with means for feeding the packets end to end, all in similar endwise and face arrangement, of packet reversing means embodying an intermittently movable supporting element, actuating means for said element, a continuous succession of travelling packet holders movable in succeeding order

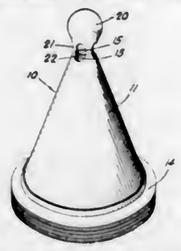
by the said element to a location under and in receptive position for the leading packet in the path of feed during a dwell of said element, said holders mounted on said element at spaced intervals for independent oscillatory movement about axes at right angles to the planes of the respective holders during the travel of said element, means for partially turning on their axes and in opposite paths during the continued movement of the supporting element to another location the alternate holders and their contents, means for ejecting at the latter location each succeeding packet flatwise from its holder, thus arranging the ejected packets with the flat back of each in contact with the folded front of the next adjacent packet and with the ends of such packets reversed, and means for partially turning the empty holders on their axes to packet-receiving position during the return of said holders to the first-named location.

2,141,484
PLANT COVER
Charles M. Piglia, Los Angeles, Calif., assignor to Plant Protectors, Inc., Los Angeles, Calif., a corporation of Delaware
Application September 10, 1936, Serial No. 100,059
Renewed May 21, 1938
5 Claims. (Cl. 47—28)



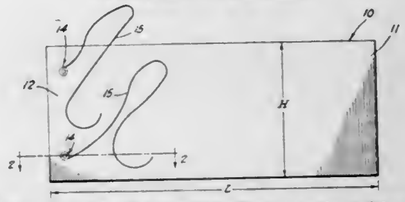
1. As an article of manufacture, a plant cover comprising a seamless concave housing adapted to overlie a plant; and a filamentary reinforcement conforming to the concave shape of said housing and snugly confined within said housing.

2,141,485
PLANT COVER SETTER
Charles M. Piglia, Los Angeles, Calif., assignor to Plant Protectors, Inc., Los Angeles, Calif., a corporation of Delaware
Application September 10, 1936, Serial No. 100,060
Renewed May 20, 1938
5 Claims. (Cl. 47—28)



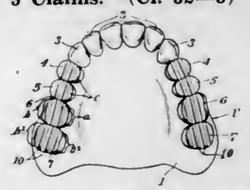
1. In a plant setter, the combination of: a shell shaped to substantially fit the outer surface of a plant cover, and a knob provided on said shell just above the position of an upper portion of said plant cover when said setter is resting downwardly upon said plant cover, and having opening means provided in said setter adjacent said upper portion of said plant cover to permit said upper portion of said plant cover to be grasped by the fingers of the operator's hand while said knob is held within the palm of the same hand so that said plant setter may be lifted and supported with said plant cover suspended therein by the use of only a single hand.

2,141,486
APPARATUS FOR CULTIVATING CELERY WITH WHITE STALKS
Charles M. Piglia, Los Angeles, Calif., assignor to Plant Protectors, Inc., Los Angeles, Calif., a corporation of Delaware
Application September 10, 1936, Serial No. 100,061
Renewed May 21, 1938
1 Claim. (Cl. 47—3)



As an article of manufacture, a celery bleacher comprising a sheet of flexible material capable of acting as a light filter to filter out chemically potent rays of sunlight, a plurality of filamentary tie buttons on said sheet, and filamentary tie members secured with said buttons to said sheet, said tie members being adapted to extend about said sheet when the latter is used to encase one or more celery stalks and tie on said buttons so as to secure said sheet about said stalks.

2,141,487
ARTIFICIAL DENTURE
Max A. Pleasure, Elmhurst, Flushing, N. Y.
Application October 30, 1935, Serial No. 47,341
5 Claims. (Cl. 32—8)

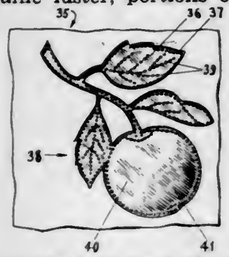


5. In combination, coacting upper and lower dentures having sets of posterior teeth respectively, the occlusal surfaces of a plurality of adjacent posterior teeth at one side of the lower denture being pitched downwardly from a high lingual margin to a low buccal margin, and the occlusal surface of a posterior tooth at the same side of said lower denture and at the rear of said plurality of adjacent posterior teeth being pitched downwardly from a high buccal margin to a low lingual margin.

2,141,488
BEADLIKE METAL SURFACE ORNAMENTATION
Otto Paul Riedel, Bergenfield, N. J., assignor to Metaphane, Inc., a corporation of New York
Application December 23, 1937, Serial No. 181,402
10 Claims. (Cl. 41—24)

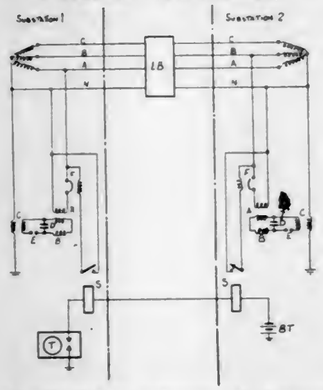
1. A composite non-porous metallic wall paper having raised scintillating metal figures, com-

prising a sheet of paper having a layer of metal foil on one of its faces, said sheet having bead-like portions in the form of scintillating ornamental figures impressed on the paper face, said bead-like impressions extending into the metal foil face and lying in relief on said metal face, at least a portion of said bead-like figures being covered with colored and substantially transparent lacquer and causing said figures to have a subdued metallic luster, portions of said metal



foil surface outside said bead-like figures in relief being covered with a non-glossy and flexible layer of opaque coloring matter contrasting with and concealing the metal foil, said bead-like impressions being at least on the outlines of the figures, said metallic wall paper being rollable, each of said bead-like impressions being of small area to permit positive attachment of the entire sheet of said metallic wall paper to a wall by pasting all over said paper face and including said impressed figured areas in relief.

2,141,489
HIGH FREQUENCY CURRENT GENERATING AND DISTRIBUTION SYSTEM
Philip Norton Roseby, Woodvale, near Southport, England, assignor to Associated Telephone and Telegraph Company, Chicago, Ill., a corporation of Delaware
Application November 13, 1936, Serial No. 110,674
In Great Britain December 17, 1935
9 Claims. (Cl. 171—97)



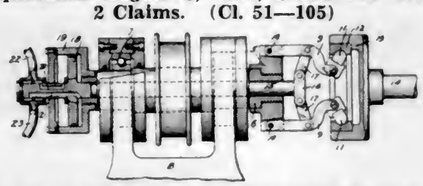
9. In a polyphase commercial frequency distribution network, a transmission line comprising a plurality of conductors, a plurality of high frequency generators, means for applying the voltage output of said generators to one of said conductors, a supply circuit individual to each of said generators and extending between said line and the associated generator, each of said generators being operative to produce high frequency voltage for a fraction only of each half cycle of the supply voltage, and said circuits being so connected and arranged that the output voltage produced by each generator is displaced in phase from the voltage produced by the other generators by an amount sufficient to prevent high frequency voltage from simultaneously being applied to said one conductor by any two of said generators, a relay associated with each of said supply circuits and operative to complete the associated circuit, a common operating circuit for said relays, and means for completing said common operating circuit.

2,141,490
SUBSTATION PROTECTOR
Roy G. Sands, Waukegan, Ill., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application July 29, 1935, Serial No. 33,735
5 Claims. (Cl. 175—30)



1. A protector block for lightning arresters comprising a main body of porcelain, an insert of carbon to provide a discharge face on one side of said block, and a member supporting said insert and having an infusible bi-metallic element the surface of which lies in a plane parallel to said discharge face, a portion of said surface moved from one side or the other of said discharge face depending on its temperature.

2,141,491
LAPPING DEVICE
Raymond R. Searles, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut
Application August 6, 1937, Serial No. 157,648
2 Claims. (Cl. 51—105)



1. In a device of the character indicated, a support, a spindle rotatably mounted thereon, a cylinder fixedly mounted on one end of said spindle, a lapping head fixedly mounted on the other end of said spindle, lapping members carried by said head, actuating members for said lapping members, a piston in said cylinder, a piston rod passing axially through said spindle and connected to said piston and said actuating members, means for subjecting said piston to fluid pressure for actuating said lapping members, and means for rotating said spindle, cylinder and lapping head as a unit.

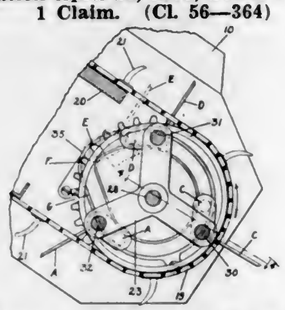
2,141,492
CUTTING TOOL
Charles Russel Southwick, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application October 11, 1937, Serial No. 168,378
17 Claims. (Cl. 164—124)

1. A cutting tool comprising a hollow tubular body the outer surface of which tapers inwardly adjacent one end and the inner surface of which is grooved adjacent said end so that said inward-



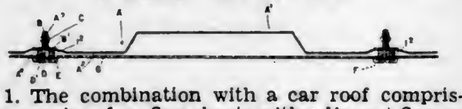
ly tapering surface intersects said grooved surface to form a plurality of cutting teeth on said tool.

2,141,493
PICK-UP MECHANISM
Leslie R. Tallman, Shelbyville, Ill.
Application April 24, 1936, Serial No. 76,170
1 Claim. (Cl. 56—364)



A pick-up mechanism comprising a series of spaced apart conveyor-chains equipped with spikes and moving in unison, a driven shaft carrying and actuating one set of the sprocket wheels over which said chains are trained, a plurality of rock-shafts equipped with tines journalled in bearings disposed in the rim portions of said sprocket chains, a crank-arm on each of said shafts, a rigid cam disposed outwardly of said sprocket wheels, and equipped with a cam-groove in which the crank-pins of said crank-arms engage, said cam groove including a major arcuate portion of smaller diameter than said sprocket chains and concentric therewith and a substantially V-shaped portion having an apex disposed substantially midway of the paths of travel of the sprocket-chains between the sets of sprocket wheels over which said chains are trained, the radial distance of the apex from the axis of the first-named sprocket wheels being substantially equal to the radius of the latter, thereby to impart rocking movement to said tines during the intervals of engagement of said crank-pins in said V-shaped portions of the cam groove for the purpose set forth.

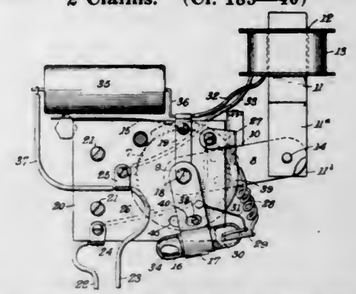
2,141,494
FLOATING CEILING FOR CAR ROOFS
William D. Thompson, Birmingham, Mich., and William E. Bikle, Park Ridge, Ill., assignors to Chicago-Hutchins Corporation, Chicago, Ill., a corporation of Delaware
Application May 3, 1937, Serial No. 140,486
8 Claims. (Cl. 108—5.2)



1. The combination with a car roof comprising a series of roofing sheets with adjacent flanges

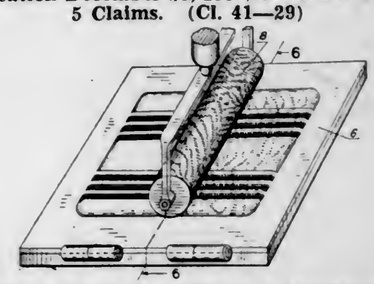
riveted to each other and with provision for a downwardly opening space between said flanges at one or more points, of a strip provided with an upwardly extending ear insertable into said space after the roof is assembled, a rivet for securing said ear to said flanges, and a ceiling panel supported on said strip.

2,141,495
ELECTRIC CLOCK
Eugene T. Turney, Holmes, N. Y., assignor to Eugene T. Turney, Jr., New York, N. Y.
Application February 24, 1937, Serial No. 127,361
2 Claims. (Cl. 185—40)



2. In combination, a clock train including a ratchet, a lever pivoted on substantially the same center as said ratchet, a drive pawl for said ratchet carried by said lever, a substantially vertically operating solenoid core connected with and supported by said lever to thereby operate as a weight for driving the clock train, a solenoid winding having a loose guide passage for said solenoid core, a swinging bracket pivoted on substantially the same center as the gravity lever, a lost motion connection between said lever and bracket, a mercury switch carried by said swinging bracket, circuit connections from said switch to said solenoid winding and a spark suppressing condenser across the terminals of said solenoid winding.

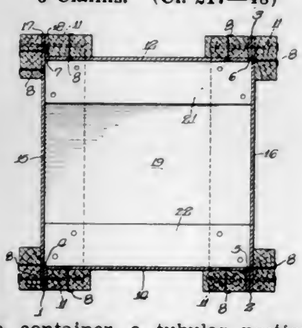
2,141,496
METHOD OF FINISHING
John Visser, Grand Rapids, Mich., assignor to F. L. Jacobs Co., Detroit, Mich., a corporation of Michigan
Application December 23, 1936, Serial No. 117,294
5 Claims. (Cl. 41—29)



1. The method of producing a decorative metallic panel having spaced, bright mirror like raised surfaces with grained or the like decorative surfaces therebetween, comprising forming designs in the surface of a sheet metal panel comprising spaced portions raised above the general surface of said panel, polishing the outer surfaces of said raised spaced design portions of said panel, plating said panel on its polished side with chromium whereby there is formed thereon a bright mirror like finish on the raised polished design portions and a dull mat-like finish on the

surfaces therebetween, applying to said panel a mask frame having masking members thereacross in register with said raised spaced mirror like design portions and openings between said masking members in register with said dull mat-like surfaces, applying a pigment as a base color to said dull mat-like surfaces but not to said raised polished surfaces, removing said mask frame from said panel, drying or otherwise fixing said base color, replacing said mask frame or a duplicate thereof upon said panel in the same registered position as first applied, imprinting through the openings in said mask frame a decorative design such as graining or the like upon the base coat previously applied and dried by passing over the mask frame a roller having a soft deformable surface carrying a transferable design thereon, removing said mask frame, drying last said decorative design, applying a protective coating of clear transparent lacquer over both said bright and last said decorative surfaces of said panel and polishing and buffing said lacquered coating, whereby the surfaces of the raised portions will have a bright lustrous appearance with the surfaces therebetween having a shining pleasing grained or the like finish.

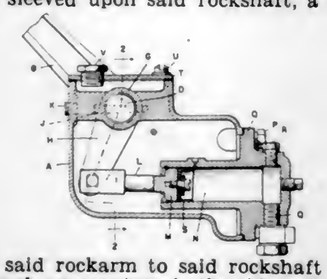
2,141,497
CONTAINER
James R. Watkins, Niles Center, Ill.
Application August 13, 1936, Serial No. 95,764
6 Claims. (Cl. 217—48)



1. In a container, a tubular portion thereof comprising a sheet of fiber board scored to form four side walls hingedly connected at the score lines, three of the corners of the container having closely spaced reversely scored lines, cleats secured to said side walls adjoining said three corners so arranged that upon forming the side walls into a square tubular structure a portion of the fiber board extends folded back upon itself at each corner between overlapping cleats to permit the driving of nails through one cleat and the folded back portion into the adjoining cleat, the fourth corner of the container having overlapping cleats enclosing the corner with a portion of each adjoining side wall extending between the overlapped cleats to be engaged by nails driven through one cleat into the other, the tubular structure being free from projections on its inner surface.

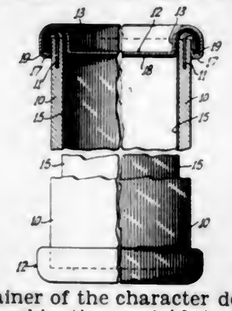
2,141,498
MULTIPLE MASTER CYLINDER UNIT
John William White, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application November 25, 1935, Serial No. 51,538
3 Claims. (Cl. 60—54.6)

2. In a multiple master cylinder unit, a casing forming a reservoir, a rockshaft journaled in bearings on said casing, a rockarm between said bearings sleeved upon said rockshaft, a pin for



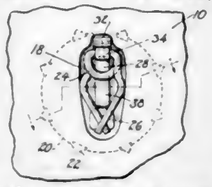
coupling said rockarm to said rockshaft insertable through an aperture in the side wall of said casing, and a plug for closing said aperture.

2,141,499
CONTAINER
Fred H. Williams, Jackson Heights, Long Island, N. Y., assignor to Bandcan Corporation, a corporation of Delaware
Application December 14, 1937, Serial No. 179,691
8 Claims. (Cl. 229—5.7)



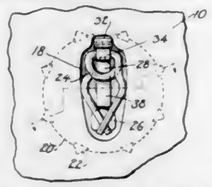
1. A container of the character described comprising in combination a rigid paper cylindrical wall having a metal strip embedded therein at one end and extending beyond said end, a paper lining within said wall extending beyond the end of said wall, a metal end for said container crimped with said metal strip and said extended end of said lining about the end of said rigid wall.

2,141,500
TRIM PANEL AND FASTENER THEREFOR
Herbert J. Woodall, Detroit, Mich., assignor to Woodall Industries Incorporated, Detroit, Mich., a corporation of Michigan
Application May 31, 1935, Serial No. 24,297
3 Claims. (Cl. 45—138)



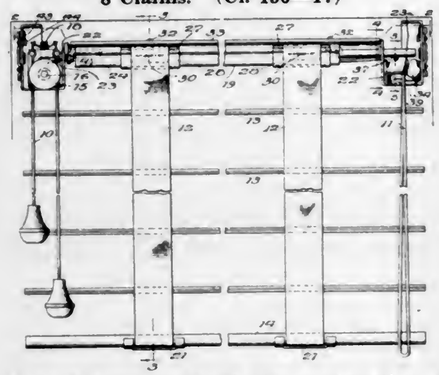
1. A trim panel comprising a foundation board having covering material extending over its front face and having a recess open to the rear face of the board, a fastener retainer permanently secured to the panel having a fastener holding element disposed within said recess within the thickness of the board, said holding element having one fastener engaging portion disposed substantially centrally of said recess and a second fastener engaging portion disposed adjacent the margin of said recess, a fastener for securing said panel to a supporting structure engaged with said fastener holding element within said recess and slidably movable from the marginal fastener engaging portion thereof to the central fastener engaging portion thereof and pivotally movable at the marginal fastener engaging portion thereof to fold flat within said recess substantially within the thickness of the foundation board.

2,141,501
TRIM PANEL AND FASTENER THEREFOR
Herbert J. Woodall, Detroit, Mich., assignor to Woodall Industries Incorporated, Detroit, Mich., a corporation of Michigan
Original application May 31, 1935, Serial No. 24,297. Divided and this application April 29, 1938, Serial No. 205,067
6 Claims. (Cl. 24—215)



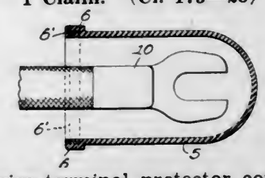
1. A spring fastener for detachably securing a trim panel to a support comprising a holding element having a flat head and bowed spring legs carried by and disposed normal to the plane of the head and receivable through an aperture formed in the support and engageable with the margin of such aperture, and a retainer element secured to the panel and provided with a retainer strip extending over the flat head of the holding element urging said head toward the panel and securing said holding element thereto, said retainer strip bowed outwardly at one point in its length into a bend having a depth greater than its width and adapted to snugly receive the head of the holding element when disposed edgewise thereunderneath and bowed outwardly at another point spaced linearly of its length from said first bend into a second bend having a width greater than its depth and adapted to snugly receive the flat head of the holding element when disposed flat thereunderneath.

2,141,502
VENETIAN BLIND
Davis J. Ajouelo, Atlanta, Ga., assignor to Armand May, Atlanta, Ga.
Application June 27, 1938, Serial No. 216,131
8 Claims. (Cl. 156—17)



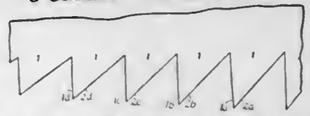
1. In a Venetian blind, the combination of a tilt rail and means for supporting the same between the sides of a window casing comprising U-shaped brackets at the sides of said casing with one leg of each bracket spaced inwardly of the casing, said inwardly spaced legs having journals in which the ends of said rail are removably supported, and means located between the legs of one of said brackets for imparting a rotary motion to said rail.

2,141,503
TERMINAL PROTECTOR
Peter E. Anderson, Elliott, Ill.
Application May 28, 1937, Serial No. 145,366
1 Claim. (Cl. 173—28)



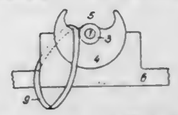
A live wire terminal protector comprising an elongated flat casing constructed of insulating material, said casing having an open end and a closed end, an enlargement formed at the open end of the casing, an elliptical spring member embedded in the enlargement and adapted to normally hold the open end of the casing closed, and said spring member adapted to press the sides of the open end of the casing into engagement with the wire terminal, gripping the wire terminal positioned within the casing to prevent displacement of the casing.

2,141,504
SAW TEETH
Robert Arthur Balfour and Frederick Holyoake Hale, Wicker, Sheffield, England
Application June 9, 1937, Serial No. 147,377
In Great Britain October 20, 1936
3 Claims. (Cl. 143—133)



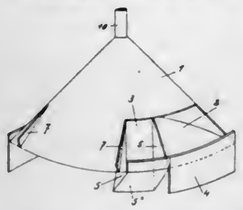
1. Saw or saw blade having teeth with a constant pitch, said teeth being progressively reduced in depth, and having the included angle comprising the cutting portion of the teeth progressively increased towards the end of the blade at which the cutting stroke commences.

2,141,505
BEARING SYSTEM
Wilhelm Bobrzyk, Forst, Germany
Application August 20, 1937, Serial No. 160,157
In Germany August 22, 1936
4 Claims. (Cl. 74—242.7)



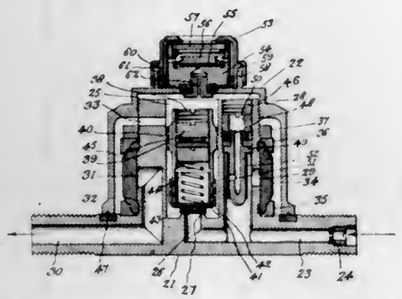
1. In combination a shaft supported at least at two bearing points, a bearing bushing at one of said bearing points having a co-axial circular exterior surface and a recess extending axially over the said circular surface, a support partly surrounding, and adapted to form a seating for said circular surface, and an endless flexible member adapted to be placed around said shaft between said two bearing points by placing said endless member over said recess in the bearing bushing and rotating said bearing bushing in its seating.

2,141,506
APPARATUS FOR CHARGING FURNACES
Aimé Pierre Joseph François-Bongarçon, Paris, France
Application May 22, 1935, Serial No. 22,896
In France June 6, 1934
7 Claims. (Cl. 214—36)



3. A device for charging circular furnaces comprising below the feeding funnel a distributing cone the surface of which is divided up into two diametrically opposed solid portions measuring 90° each at the apex of the cone, two diametrically opposed cut out portions of 60° each measured at the apex of the cone, and two diametrically opposed portions of 30° each measured at the apex of the cone, and means associated with each of said portions for directing a charge flowing down the cone surface into three concentric zones of the furnace.

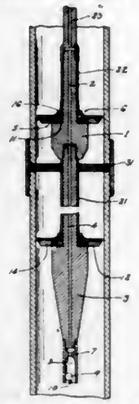
2,141,507
DEVICE FOR AUTOMATICALLY CONTROLLING THE INFLATION OF TIRES
Pierre Marcel Bourdon, Paris, France, assignor to Michelin et Cie, Clermont-Ferrand, France, a corporation of France
Application September 28, 1936, Serial No. 103,019
In France November 6, 1935
5 Claims. (Cl. 137—69.5)



4. A device for automatically controlling the inflation of tires, comprising an air supply tube, a tire inflating air tube, means including a resilient valve biased to close for connecting said tubes at a pressure above a predetermined minimum, and means operative when the pressure in the inflating tube exceeds the predetermined minimum by a given amount to cause air from said supply tube to be applied to said valve in a manner to augment the biasing force to effect its closing.

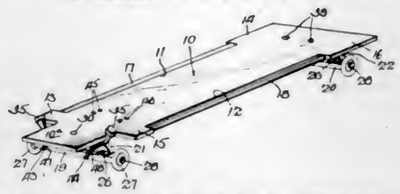
2,141,508
PARAFFIN CLEANER
Glenn R. Buckley and Walter A. McGrew, Oklahoma City, Okla.
Application March 25, 1937, Serial No. 132,921
2 Claims. (Cl. 166—18)

1. A device of the class described comprising a sectional elongated tube having a plurality of vertically spaced annular shoulders near its lower end, each shoulder adapted to support a scraper assembly; a removable scraper assembly securely held on each of said shoulders, and comprising a scraper disc assembly composed of a central hinge ring and four substantially quarter-circular scraper blades hinged thereto, and a disc



sealing assembly composed of a central hinge ring and four flappers hinged thereto, said flappers adapted to seal the spaces between the edges of said scraper blades; and an upwardly closing normally open pressure closable valve carried on the lower end of said elongated tube and adapted to prevent the passage of fluid upward therethrough.

2,141,509
COASTER
Samuel L. Brody, Chicago, Ill.
Application September 26, 1938, Serial No. 231,728
8 Claims. (Cl. 280—87.01)

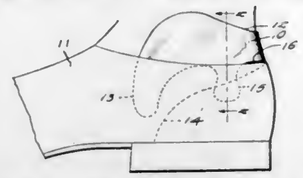


1. A coaster of the character described comprising a bed, an axle supported at near each end of said bed, wheels at the ends of each axle, resilient means between each of said axles and the bed, one of said resilient means being arranged in pivotal relation to said bed, means adapted to swing the axle about its its pivot to steer the coaster when said means is manually moved, and means coacting with said axle and effective when a weight is placed on the bed for automatically and releasably retaining the axle to retain the wheels in alignment.

2,141,510
SHOESHINE HOSE PROTECTOR
Fred D. Brown, Roanoke, Va.
Application August 1, 1938, Serial No. 222,561
2 Claims. (Cl. 36—70)

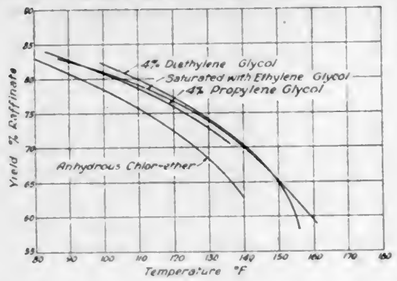
1. A shoe shine hose protector comprising a blank of flexible material adapted to embrace the rear portion of hose and extend over the ankle portion thereof above the heel portion of the shoe, terminal downwardly extending tabs on the blank adapted to be inserted between the hose and the instep portion of the shoe and extend well down

along the sides of the instep portion of the shoe, and a pair of intermediate tabs depending from the bottom edge of the blank and adapted to be inserted between the heel portion of the shoe and



hose at diametrically opposite points on the stiff counter of the shoe and be clamped by the wearer's foot against the counter to positively hold the blank against accidental dislodgement.

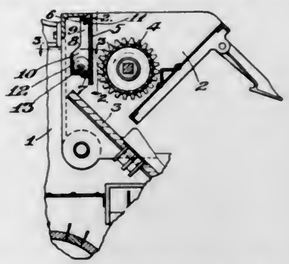
2,141,511
SOLVENT EXTRACTION OF MINERAL LUBRICATING OILS
Clifford C. Buchler and Sterling H. Diggs, Casper, Wyo., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application February 17, 1936, Serial No. 64,202
8 Claims. (Cl. 196—13)



1. In the process of extracting undesirable naphthenic constituents from wax-containing mineral hydrocarbon lubricating oils wherein the oil is intimately contacted with beta beta' dichlor diethyl ether and the undesirable naphthenic constituents are removed as an extract in solution in said ether, the improvement comprising incorporating in said beta beta' dichlor diethyl ether from 2 to 20% of an alkylene glycol and conducting the extraction at a temperature above the solidifying point of the wax-containing oil.

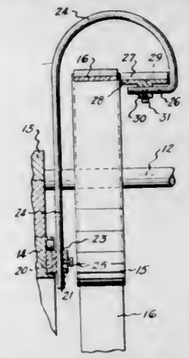
2,141,512
FEED REGULATOR FOR COTTON LINTER HOPPERS
Charles R. Carr, Dallas, Tex., assignor to The Murray Company, Dallas, Tex., a corporation of Texas
Application March 16, 1936, Serial No. 69,022
3 Claims. (Cl. 221—136)

1. The herein described feed regulating means for cotton seed linters, comprising a feeder roll, a substantially vertically disposed regulator plate spaced in opposed relation at one side of said feeder roll to regulate the opening through which the seeds are fed to the delinting devices and elements of the machine, said plate being hingedly supported at its upper portion, channeled members on said regulator plate, cam elements working peripherally in said channeled members, means including a manipulable element located externally of the machine for rotating said cam elements to swing said regulator plate towards and from said feeder roll, and means for releasably holding said cam elements in their respec-



tive actuated positions and said regulator plate in its adjusted relation to said feeder roll.

2,141,513
BELT HANGER
Charles R. Carr, Atlanta, Ga., assignor to The Murray Company, Dallas, Tex., a corporation of Texas
Application December 28, 1936, Serial No. 117,717
1 Claim. (Cl. 74—242.5)

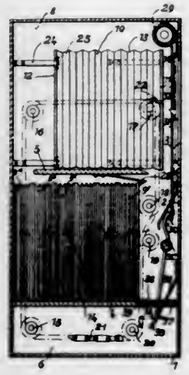


As a new article of manufacture, a bracket adapted to be secured to the upright end of a machine adjacent the driving pulley thereof, a belt support including upright spaced legs having their lower portions mounted for vertical adjustment in said bracket and their upper portions arched to form a guard over the machine pulley, the outer arched ends of the legs of the support being turned inwardly, and an arcuate belt rest mounted for horizontal adjustment on the inturned ends of said legs under the arches thereof for receiving and supporting an idle driving belt.

2,141,514
APPARATUS DESIGNED FOR THE SUCCESSIVE EXHIBITION OF DIORAMAS
Philippe Alexis Jean Carré and Jacques Louis Alexis Maurice Carré, Paris, France
Application June 2, 1937, Serial No. 146,046
In France June 18, 1936
10 Claims. (Cl. 40—36)

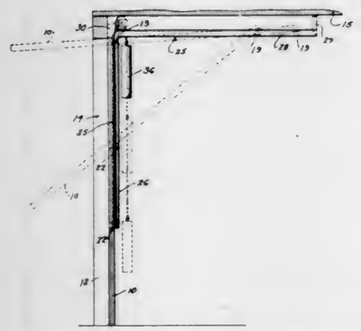
1. In apparatus of the character described, a casing having an exhibition chamber provided with an opening to view a diorama when in the exhibition chamber, said casing having a storage chamber, a plurality of foldable dioramas located in folded condition in said storage chamber, means for bringing a folded diorama from the storage chamber into the exhibition chamber,

means to unfold the diorama in the exhibition chamber to present it for view through the view-



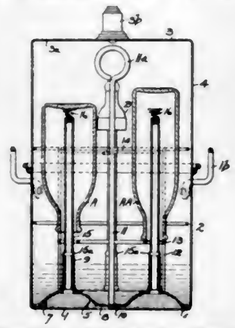
ing opening, and means to refold the diorama and return it to the storage chamber.

2,141,515
OVERHEAD DOOR CONSTRUCTION
Joseph E. Casse, Detroit, Mich., assignor to Crawford Door Company, Detroit, Mich., a corporation of Michigan
Application May 8, 1937, Serial No. 141,471
3 Claims. (Cl. 20—19)



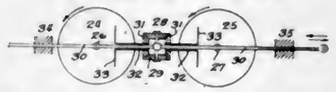
1. In a door construction having a door, means for mounting said door for movement from a substantially vertical closed position to a substantially horizontal overhead position including vertical and horizontal tracks on each side of the door, and a roller on each side of the door at the top thereof engageable with the vertical and horizontal tracks, the improvement which comprises a roller on each side of the door below the transverse axis of balance of the door but spaced from the bottom of the door engageable with the vertical tracks, sheaves above the top of the door at each side thereof, flexible means disposed over said sheaves secured at one end to the door adjacent the lower pair of rollers and counterweights slightly lighter than the weight of the door secured to the other ends of said flexible means whereby the door remains closed by gravity but as it is moved from a closed to an opened position, increasing portions of the weight of the door are borne by the horizontal tracks and the door is held open by the counterweights and whereby substantially equal added forces of small magnitude only are required to move the door from open or closed positions.

2,141,516
STERILIZING AND WARMING DEVICE FOR CONTAINERS
Wesley P. Clements, Detroit, Mich.
Application August 31, 1936, Serial No. 98,831
In Canada May 30, 1936
2 Claims. (Cl. 21—79)



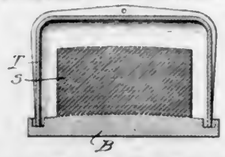
1. A combination bottle sterilizer and warmer comprising a container, a base removably supported on the container and having its margin resting upon the container bottom, the remainder of the base being spaced above said bottom and being apertured for the passage of fluid into the space between the base and the container bottom, an open tray designed to support a bottle in upright or inverted position supported by and over the base at a point substantially below the top of said container, a guide supported by said base above said tray for guiding the bottle to the tray and holding it in vertical position, a ferrule extending upwardly from the base providing fluid passage from the under side thereof, said ferrule being in vertical alignment with an open portion of said tray, and a tube removably associated with said ferrule extending through the open portion of said tray.

2,141,517
GEAR RATIO INDICATOR AND/OR CONTROL DEVICE
George Constantinesco, Oxen House, Torver, Coniston, England
Application April 15, 1936, Serial No. 74,562
In Great Britain April 30, 1935
4 Claims. (Cl. 74—395)



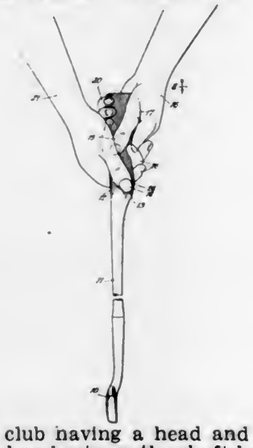
1. The combination with a primary driving member and a secondary driven member, of a differential gearing assembly including two gears rotatable respectively about a fixed axis, a floating gear meshing with said fixed axis gears, and a rotatable mount for said floating gear; variable drive actuating connections between the two fixed axis gears and the primary and secondary members respectively; a screw element; and a nut element having threaded engagement with said screw element, one of said elements being fixed and the other of said elements being connected to said mount and being thereby bodily movable with said differential gearing assembly and said actuating connections upon variation of the speed ratio of the driving and driven members and consequent differential turning of said fixed axis gears, the said movable element being adapted to indicate by its position the gear ratio between the primary and secondary members.

2,141,518
ART OF ANNEALING SHEETS
Herbert M. Cox, Kokomo, Ind.
Application January 2, 1937, Serial No. 118,784
1 Claim. (Cl. 148—12)



In the process of producing flat annealed sheets, the steps of supporting a plurality of stacked sheets between the margins thereof upon a rectangular supporting surface which is arched from a central portion toward each of the margins of the support while annealing so that portions of the sheets are caused to bulge out of a flat plane, thereafter removing and separating said sheets, and finally passing the sheets through a roller level while cool.

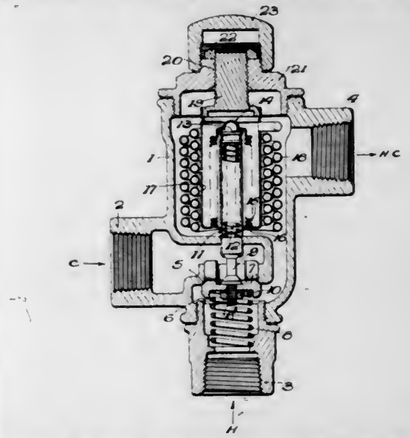
2,141,519
GOLF CLUB GRIP
Alexander Cunningham, Glenview, and Robert E. Dyer, Chicago, Ill.
Application January 11, 1937, Serial No. 120,014
2 Claims. (Cl. 273—81)



1. A golf club having a head and a shaft for said head, a hand grip on the shaft having a flattened front face, said hand grip having upper and lower rounded enlargements at the left hand and right hand edges of said flattened face, the left hand enlargement being extended farther forwardly from the center line of the shaft than the right hand enlargement is extended rearwardly from the center line of the shaft whereby the fingers of the left hand of a player when fitted inside the upper portion of the right hand combine with the right hand enlargement to force the upper portion of the right hand out at substantially the same angle to the shaft as the upper enlargement forces the upper part of the left hand to take with respect to the shaft.

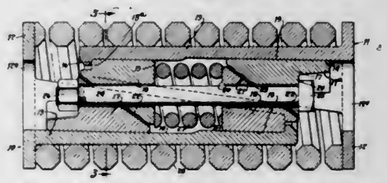
2,141,520
THERMOSTATICALLY CONTROLLED MIXING VALVE
John E. Dube, Knoxville, Tenn., assignor to The Fulton Sylphon Company, Knoxville, Tenn., a corporation of Delaware
Application December 30, 1935, Serial No. 56,807
7 Claims. (Cl. 236—12)

1. In a thermostatically operated mixing valve, in combination with a valve casing and inlets thereto for fluids to be mixed, means in said casing providing opposed valve ports which respectively communicate with said inlets for the fluids to be mixed, a single valve member disposed between and adapted to cooperate with both of said ports, a thermostat comprising a vessel charged with a fluid and including an expansible and contractible inner wall which is collapsed by expansion of said fluid, said thermostat being disposed in said casing on the mixture side of said



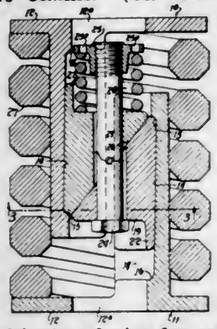
ports, means operatively connecting said thermostat and said valve member to dispose said valve member between said ports to control both of said ports and proportion the amounts of fluids admitted therethrough, a support for said thermostat adjustable from the exterior of said casing for bodily moving said thermostat relatively to said valve ports, and resilient means cooperating with said valve member on the opposite side thereof from said thermostat and normally urging the same toward one of said ports.

2,141,521
CUSHIONING DEVICE FOR RAILROAD CARS
Otho C. Duryea, Waterbury, Conn.
Application June 3, 1937, Serial No. 146,186
9 Claims. (Cl. 267—9)



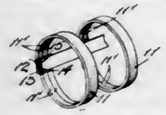
1. In a cushioning device for railway cars, the combination of two members that are relatively movable toward and away from each other and each of which includes a body portion having a plurality of longitudinally spaced, tapered internal friction surfaces, said members being arranged with their body portions in end to end overlapping relation so that the friction surfaces of one body portion are opposed to those of the other body portion, means providing a plurality of longitudinally spaced, friction mechanisms disposed between said body portions so as to engage said opposed friction surfaces thereof, and resilient means engaging portions of both members and cooperating with said friction mechanisms in offering a resistance to the relative movement of said members, toward each other.

2,141,522
CUSHIONING DEVICE FOR RAILROAD CARS
Otho C. Duryea, Waterbury, Conn.
Application June 8, 1937, Serial No. 147,137
16 Claims. (Cl. 267—9)



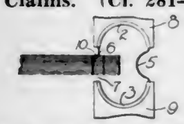
1. In a cushioning device for railway cars, the combination of means providing two members that are relatively movable in an axial direction toward and away from each other, means operatively secured to each member and disposed in overlapping relation and cooperating to form opposed tapered internal friction surfaces, means providing shoes having frictional engagement with each other and with said opposed surfaces, a spring cooperating with said shoes in offering a resistance to the movement of one of said members from its normal position toward the other of said members under the action of a load imposed upon one of said members, said spring upon release of load operating directly upon the moved member to return the same to its normal position.

2,141,523
BINDING DEVICE
Charles E. Emmer, Chicago, Ill., assignor to Cercla, Inc., Chicago, Ill., a corporation of Illinois
Application May 12, 1937, Serial No. 142,094
3 Claims. (Cl. 281—25)



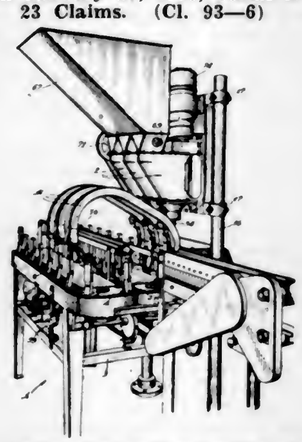
1. A binding device comprising a longitudinal strip bent and folded together longitudinally to be of S-shape in cross section to provide an outer wall, an intermediate wall, and an inner wall, said intermediate and inner walls being spaced apart to provide a recess, arms extending from one edge of said strip and bent to surround said strip for insertion of their free ends into said recess to form closed binding rings.

2,141,524
BINDING DEVICE
Charles Edward Emmer, Chicago, Ill., assignor to Cercla, Inc., Chicago, Ill., a corporation of Illinois
Application August 2, 1937, Serial No. 156,852
7 Claims. (Cl. 281—25)



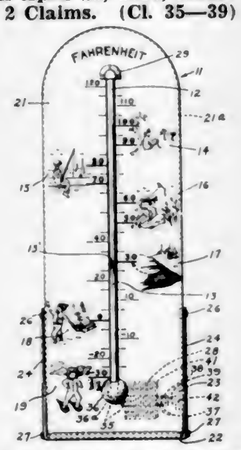
1. A binding device formed of thin sheet metal and comprising in its commercial form a back wall deflected to form an open channel, semicircular arms extending from the sides of the back wall to be diametrically opposed to each other with their free ends separated for the reception therebetween of a pack of perforated leaves to be bound and with said channels within the space between said arms, said arms when moved diametrally toward each other closing the gap between their ends and closing said channel to form closed binding rings.

2,141,525
CARTON PACKER AND SEALER
John L. Ferguson, Joliet, Ill., assignor to J. L. Ferguson Company, Joliet, Ill., a corporation of Illinois
Application January 20, 1936, Serial No. 59,851
23 Claims. (Cl. 93—6)



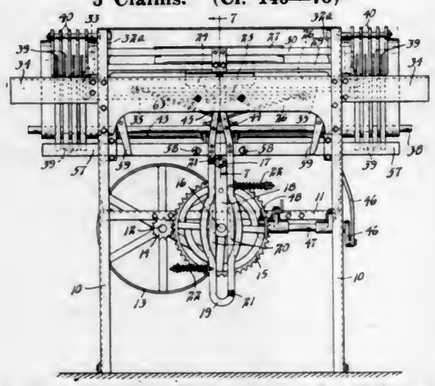
1. The combination with a sealing mechanism having a conveyor for delivering cartons thereto, of a support for empty cartons, means for moving consecutive empty cartons from said support to said conveyor, means intermediate said support and said conveyor for filling said cartons, means controlled by said cartons for automatically starting the filling operation, and means for stopping said filling means when each carton is filled.

2,141,526
EDUCATIONAL APPARATUS
Rose G. Foster, Norwalk, Conn.
Application April 25, 1936, Serial No. 76,333
2 Claims. (Cl. 35—39)



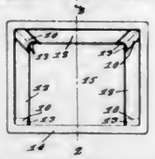
1. In an educational device; a wall structure having its front face calibrated to correspond to thermometer temperature readings; a substantially flat glass tube mounted on the wall; a supply of colored liquid connected with the bottom of the tube; means associated with the liquid supply to vary the height of the liquid in the tube at will; and means connected to the upper end of the tube to receive any overflow from the tube, said means having a vent therein.

2,141,527
CUTTING MACHINE FOR SEED POTATOES
Damas French, Grafton, N. Dak.
Application November 13, 1936, Serial No. 110,605
5 Claims. (Cl. 146—78)



1. In a machine for cuting seed potatoes and the like, a power transmission element comprising a cam member and segmental gear members, sets of cutters, means for automatically selecting cutters of a set, means operated by said cam member for propelling and centering an object in cutting position alternately in the path of movement of automatically selected cutters of a set, and means operated by said segmental gear for alternately moving the sets of cutters through the object to cut the object into a plurality of pieces.

2,141,528
KNOCK-DOWN PROJECTION ROOM
Guy W. Garrard and Elmer J. Peery, Bakersfield, Calif.
Application May 20, 1937, Serial No. 143,798
1 Claim. (Cl. 88—24)



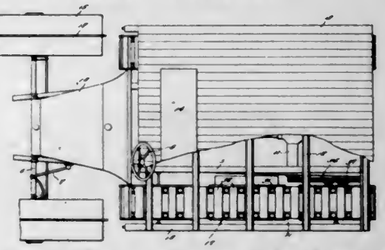
A knock-down projection room comprising a plurality of corner pieces of right angular cross section having longitudinal grooves in the edges of the legs, side, top and bottom panels having longitudinal edges engaged in said grooves, said panels tapering from a wide front end to a narrower rear end, substantially rectangular front and rear frame like finishing pieces having channels receiving respectively the front and rear edges of the panels and the ends of the longitudinal corner pieces, bolts passed through the ends of the corner pieces and panels and through the front and rear frame like finishing pieces to collapsively secure the parts together, a back plate connected to the rear frame like finishing piece and forming a closure for the rear end of the projection room, and a screen secured to the front face of said back plate.

2,141,529
PORTABLE BRIDGE
Emmanuel Bernard Gravelle, Ottawa, Ontario, Canada
Application March 26, 1935, Serial No. 13,120
In Canada March 26, 1934
4 Claims. (Cl. 14—72)



1. A wheel bridge comprising a plurality of spaced bars having depending flanges thereon, a pair of longitudinal members secured to the upper surfaces of said bars adjacent the ends thereof, said longitudinal members having upwardly extending flanges thereon defining the wheel-engaging limits of the bridge, and a plurality of members having depending longitudinal flanges connected to the under surface of said longitudinal members and located between adjacent pairs of said bars.

2,141,530
TRACTOR
Romain A. Guidroz, Lockport, La., assignor of twenty-five per cent to Claude E. Daviet and twenty-five per cent to L. E. Daviet, both of Lockport, La.
Application November 30, 1937, Serial No. 177,307
2 Claims. (Cl. 180—9.1)

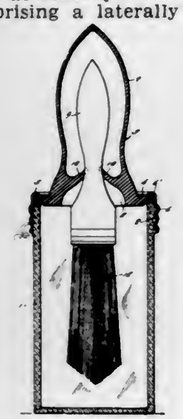


1. A vehicle for use in marsh land and soft ground comprising a frame, a front axle supported by the frame, large drum-like wheels carried by the ends of the axle and of hollow construction, longitudinally extending side frames depending from side parts of the first-mentioned frame, front, intermediate and rear wheels carried by each side frame, each of said wheels being of hollow drum-like form and having flanges at its ends, an endless traction element carried by the wheels of each side frame, each element including a pair of endless chains and cross strips connected with the chains, annular rows of lugs between the flanges of the front and rear wheels carried by the side frames, engaged by the chains and means for rotating the rear wheels.

2,141,531
BRUSH HOLDER
Henry H. Graham, The Dalles, Oreg.
Application January 18, 1938, Serial No. 185,633
1 Claim. (Cl. 206—15.1)

A brush holder for paint brushes comprising a jar, a nipple-like closure for said jar adapted to house the handle of the brush and having a mouth opening into the jar and a pair of opposed flaps therein adjacent said mouth for gripping and suspending a brush handle therebetween, said flaps being of flexible material and adapted to be flexed inwardly of the closure by a brush handle thrust therebetween into oppositely inclined positions, whereby under the weight of the brush and frictional engagement of the handle therewith said flaps are urged into clamping engagement with opposite sides of said handle,

and means to detachably secure said closure to said jar comprising a laterally extending base



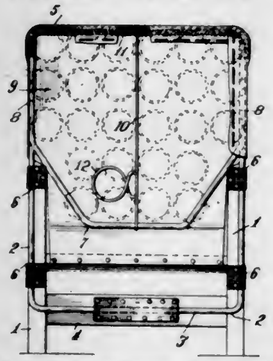
flange on said closure of resilient material, and a clamping ring threaded onto said jar and having an edge flange taking over said base flange.

2,141,532

FLEXIBLE CHAIR BACK CONSTRUCTION

Louis F. Hosek, Chicago, Ill., assignor to Nachman Spring-Filled Corporation, Chicago, Ill., a corporation of Illinois

Application June 1, 1936, Serial No. 82,763
3 Claims. (Cl. 155—179)



3. In a chair back structure equipped with resilient side rails, a resilient cross-rail member secured at its ends to the upper extremities of said side rails, a flexible web secured along its side and upper edges to said side rails and to said cross rail member and maintained substantially taut thereby, a resilient substantially vertically disposed supporting member for said cross-rail member secured at its upper end to the said cross rail member between the ends of the latter, and a support for said vertically disposed member secured to the lower end thereof, said last named support disposed substantially at the lower end of said web.

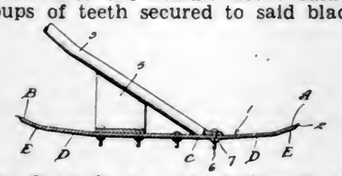
2,141,533

WEEDING AND MULCHING TOOL

Theodore B. Hubbell, Lexington, Ky.

Application October 29, 1936, Serial No. 108,266
2 Claims. (Cl. 97—68)

1. A weeding and mulching tool comprising an elongated blade having its opposite ends sharpened to define cutting edges, a handle secured to and inclining upwardly from said blade, a perch secured to the handle above said blade, and groups of teeth secured to said blade and



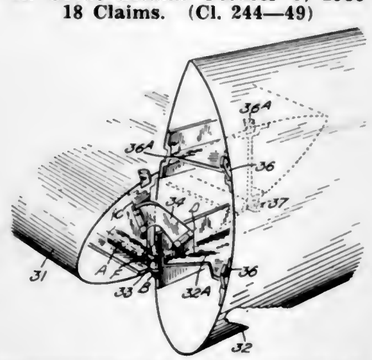
projecting from the lower face thereof, some of said teeth extending through said blade and connected to said perch whereby to secure said handle rigidly to said blade.

2,141,534

FOLDING STRUCTURAL ARRANGEMENT OF AIRCRAFT

Richard John Harrington Hudson, Dousland, South Devon, England

Application October 6, 1937, Serial No. 167,662
In Great Britain October 9, 1936
18 Claims. (Cl. 244—49)



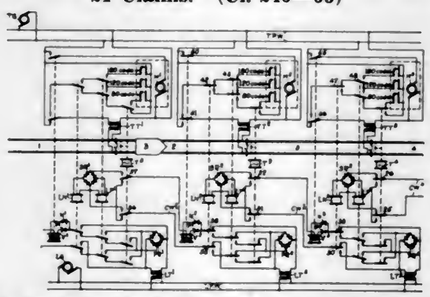
1. Interconnection means between parts of aircraft required to move relatively in relatively inclined planes, comprising four pivotal connections with their axes intersecting at a point, said connections affording freedom in rotation about their respective axes but not axial freedom thereon.

2,141,535

RAILWAY SIGNALING SYSTEM

Thomas J. Judge, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application October 23, 1935, Serial No. 46,356
21 Claims. (Cl. 246—63)



1. In a trackway portion of a railway cab-signaling system, a plurality of track sections, means for normally energizing each track section with alternating current, a control line circuit connecting each track section with the rear

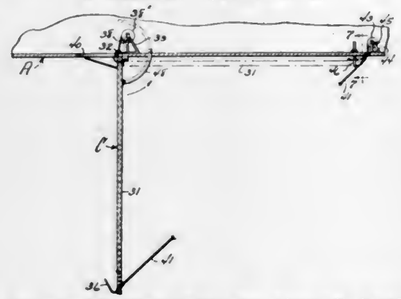
adjacent track section, a series relay in each control line circuit, means controlled by the series relays for interrupting the alternating current energization of each track section at any one of a plurality of different code rates, code rate selecting means at each track section distinctively conditioned by any one of four different conditions of the forward control line circuit, means including the code rate selecting means at each track section for conditioning the associated control line circuit, and means for controlling the degree of energization of each control line circuit in accordance with the occupied or unoccupied condition of the associated track section whereby to control the operation of the series relays.

2,141,536

AERIAL MAIL EXCHANGE

Ralph I. Kelton, Watertown, Mass.

Application July 22, 1936, Serial No. 91,953
2 Claims. (Cl. 258—1)



1. In combination with an aircraft having a fuselage, of a pick-up device comprising a swinging pick-up arm having a longitudinal guideway therein, a plurality of slides fitting said guideway, a hook having a shank fixed to said slides and terminating in an eye, a cable trained through ing pick-up arm having a longitudinal guideway the eye, a windlass interiorly of the fuselage for the winding and unwinding of the cable on and from the same and this cable having its other end fixed to said windlass, and means for operating the arm to fold the same against the fuselage or unfold it away from said fuselage, the hook being extended forwardly of the arm and outside of the guide way therein.

2,141,537

MACHINE GUN

René Laloux, Brussels, Belgium

Application September 5, 1936, Serial No. 99,650
In Belgium September 25, 1935
1 Claim. (Cl. 42—75)



A machine gun or similar automatic firearm comprising a breech casing, a butt, means for connecting said butt to the rear of said breech casing for pivotal movement about a horizontal axis, a removable trigger guard, means carried by the butt adapted to engage the trigger guard in firing position to maintain the butt in firing position, and means carried by the butt for engaging the breech casing when the but is swung from its firing position to limit its swinging movement about the pivot so that the butt will extend beneath the breech casing and serve as a support for the rear portion of the firearm.

2,141,538

BABY CARRIAGE

Lewis Larsen, Menominee, Mich., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts

Application April 13, 1936, Serial No. 74,088
11 Claims. (Cl. 280—36)



1. A baby carriage embodying therein a body including a bottom, a top frame and a flexible body fabric therebetween, front and rear wheel carrying axles operatively connected together, front and rear pairs of supporting members, pivotally connected to said axles and to said bottom respectively, means including front and rear pairs of folding linkage, between said bottom and said top frame and operative to permit collapse of the body upon said bottom, and means connecting a part of the linkage of one of the pair thereof with one of the pairs of supporting members and operative in the collapse of the body to swing said one of said pairs of supporting members forwardly to fold the collapsed body down upon the wheel carrying axles.

2,141,539

BABY CARRIAGE

Lewis Larsen, Menominee, Mich., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts

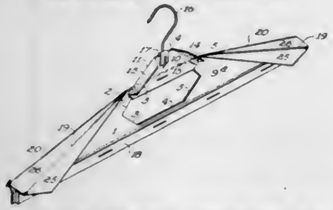
Application April 13, 1936, Serial No. 74,089
2 Claims. (Cl. 280—39)



1. A baby carriage embodying therein a collapsible body including rigid top and bottom frames and a foldable fabric therebetween, a

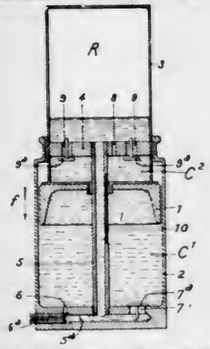
wheel frame at each side of the body and connected to the bottom frame thereof for a swinging movement from an upright body supporting position to a folded position beneath said body, a push handle pivotally connected to the bottom frame for a swinging movement into and out of an operative position, front and rear sets of foldable links between the top and bottom frames of the body, a bar connecting the said sets of linkage, and operatively connected to the push handle, and means connected to said linkage and engaged with the wheel frame and operative when said linkage collapses the body to swing said wheel frames into a folded position beneath the body.

2,141,540
GARMENT HANGER
Neil A. Leash, Cathlamet, Wash.
Application May 17, 1937, Serial No. 143,166
10 Claims. (Cl. 223—87)



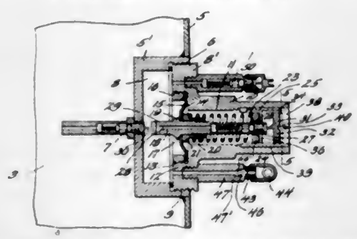
1. A garment hanger comprising an elongate body of semi-rigid material, the lateral ends of which are formed to overhang one side of the body, whereby to provide relatively broad shoulder supporting portions, the central part of the body having a flap portion partially cut out and adapted to be arranged flatwise with the body, the ends of said flap portion provided with oblique marginal portions lineally grooved and adapted to be arranged to support the collar section of the garment, a hook attached to said flap portion, said flap portion longitudinally grooved and adapted to be folded back on said body and thus place the suspending hook wholly within the width of the body.

2,141,541
HYDRAULIC DAMPING DEVICE
René Lucien Levy, Montrouge, France, assignor to Société d'Inventions Aeronautiques et Mécaniques S. I. A. M., Fribourg, Switzerland
Application October 18, 1935, Serial No. 45,658
In France December 22, 1934
7 Claims. (Cl. 267—64)



1. A hydraulic damping device comprising a first vertical cylinder, a piston movable in the said first cylinder, a first hollow rod rigid with the said piston having its free end closed and forming a second cylinder, a cover or head for the first cylinder, a second hollow rod secured to the said cover or head, a diaphragm rigid with the said second hollow rod and having a snug sliding fit in the second cylinder, a conduit formed in the cover or head of the first cylinder and freely communicating with the inner passage of the second hollow rod, a restricted orifice for establishing communication between the said conduit and the inner chamber of the first cylinder, an orifice having a large sectional area for establishing communication between the said conduit and the inner chamber of the first cylinder, a valve opening in one direction only relative to the said orifice, a restricted orifice having a constant sectional area and formed in the said diaphragm and establishing communication between the two chambers on both sides of said diaphragm, an orifice of large sectional area formed in the said diaphragm and establishing communication between the chambers on both sides of the diaphragm, a valve opening in one direction only relative to said last named orifice, a liquid mass situated between the cover or head of the first cylinder and the closed upper end of the first hollow piston rod.

2,141,542
TIRE INFLATING DEVICE
James Hervey Mann, Jr., St. Petersburg, Fla., assignor to Tire Pressure Control, Inc., a corporation of Florida
Application August 7, 1935, Serial No. 35,172
8 Claims. (Cl. 152—418)

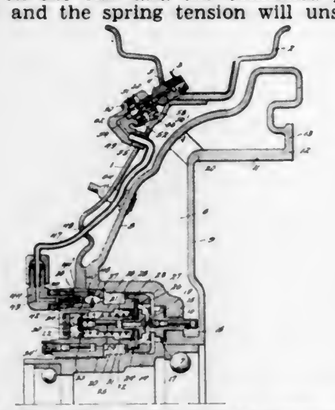


1. A pressure regulating device for supplying fluid to a chamber, a high pressure tank, a low pressure tank, a Schrader type valve connection between said tanks, a Schrader valve in said low pressure tank, automatic means for operating the Schrader valve, a pipe connecting the low pressure tank to the chamber, and means within the pipe for shutting off the air from the low pressure tank when the air in the chamber is rapidly exhausted.

2,141,543
TIRE INFLATING DEVICE
James Hervey Mann, Jr., St. Petersburg, Fla., assignor to Tire Pressure Control, Inc., a corporation of Florida
Application February 4, 1936, Serial No. 62,363
4 Claims. (Cl. 152—418)

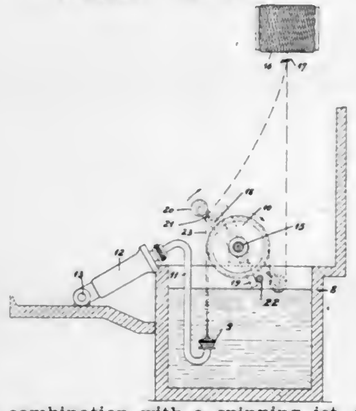
1. An automatic inflating device, comprising a wheel and its tire, a high pressure tank carried by the wheel, a pipe connecting the tank and tire, means carried by the tank for maintaining a predetermined pressure in the tire, a valve between the tank and pipe adapted to be seated by the rush of air through the pipe from the tire when the air pressure in the tank falls below the predetermined tire pressure, and closed against spring tension when the air in the tire rapidly exhausts whereby an under-inflated tire may be

placed on the rim and the combined pressure thereof and the spring tension will unseat the



valve to allow the predetermined pressure to enter the tire through the pipe.

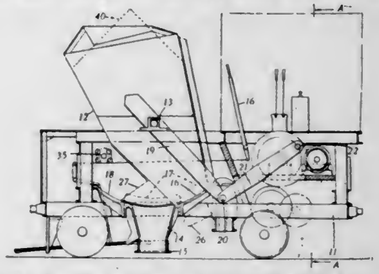
2,141,544
DEVICE FOR LAYING THE THREADS OVER ROTATING STRETCHING DEVICES IN SPOOL SPINNING MACHINES FOR ARTIFICIAL SILK
Hermann Marzari, Rorschach, Switzerland
Application October 27, 1936, Serial No. 107,814
In Germany October 26, 1935
6 Claims. (Cl. 18—8)



1. In combination with a spinning jet, a stationarily mounted drawing roller, and winding means, a device for alternately laying on and disengaging the thread from said drawing roller in spool spinning machines for artificial silk, comprising guide means adjustably arranged to pivot around the stationarily mounted drawing roller whereby the thread is passed around the drawing roller only when engaged by the guide means.

2,141,545
CHARGING APPARATUS FOR CARBONIZING PLANTS
Matthew Hamilton McEwan, London, England, assignor to Woodall-Duckham (1920) Limited, London, England, a British company
Application December 1, 1937, Serial No. 177,574
In Great Britain January 30, 1937
11 Claims. (Cl. 214—35)

1. For use as a charging car for carbonizing plant the following elements in combination: a framework movable above the carbonizing plant, a hopper open at its lower end and pivotally mounted on the framework for rotation about a horizontal axis between an inclined position and a vertical position, a fixed mouthpiece containing an aperture positioned below said hopper and a side plate on said mouthpiece, the lower end of said hopper co-acting with the said mouth-



piece and side plate, which side plate in the inclined position of the hopper closes the lower open end thereof whilst in the vertical position the lower open end coincides with the aperture in said mouthpiece, and means for turning the hopper on its axis between the two said positions.

2,141,546
ACRYLOXY CARBOXYLIC ACIDS AND THEIR ESTERS
Daniel E. Strain, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 5, 1936, Serial No. 83,813
16 Claims. (Cl. 260—78)

1. The process which comprises reacting a member of the class consisting of halogenated and hydroxy substituted monocarboxylic acids, esters thereof, halogenated and hydroxy substituted polycarboxylic acids and esters thereof with monohydric alcohols with a substance reactive therewith from the class consisting of alkali salts, anhydrides, and acid halides of acids of the formula

$$H_2C{=}C(R){-}CO{-}OH$$

wherein R is a member of the class consisting of hydrogen and monovalent hydrocarbon radicals.

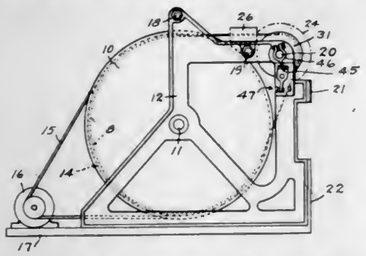
2,141,547
SOFT GRAINED DEXTROSE FREE FROM WATER OF CRYSTALLIZATION
William B. Newkirk, Western Springs, Ill., assignor, by mesne assignments, to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application July 31, 1936, Serial No. 93,573
1 Claim. (Cl. 127—30)

Method of producing a pulverulent dextrose substantially free from water of crystallization and substantially free from particles having a palpable granular structure which consists in heating hydrate dextrose crystals to remove water of crystallization therefrom and then, before the dehydrated sugar absorbs atmospheric moisture to any appreciable extent, grinding the dehydrated hydrate dextrose to an impalpable powder.

2,141,548
MAGNETIC RECORDER
William P. Patrick, Vaughn, Wash.
Application August 24, 1936, Serial No. 97,656
8 Claims. (Cl. 179—100.2)

1. In a magnetic recording and reproducing device, a rotatably mounted drum; reversible

driving means connected with said drum; an electromagnetic head positioned adjacent said drum and clear of the drum; means providing relative movement between the head and the drum in a direction longitudinally of the drum when the device is in operation; and a recording



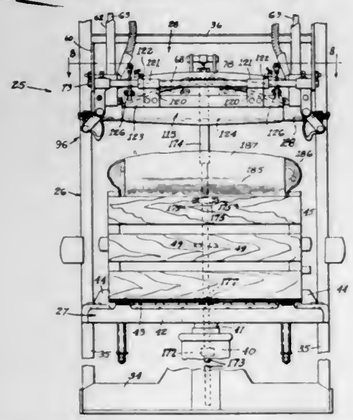
wire wound in a single layer on said drum, said recording wire having a loop portion passing off of said drum and through said head and back onto said drum whereby said recording wire may be moved in either direction through said head by rotation of said drum.

2,141,549

LIDDING MACHINE

Hale Paxton, Redlands, Calif., assignor, by mesne assignments, to Food Machinery Corporation, a corporation of Delaware

Application July 31, 1931, Serial No. 554,212
Renewed January 3, 1938
16 Claims. (Cl. 1—10)



1. In a lidding machine, the combination of: a shipping case elevator; means disposed thereover for applying a lid to said case and securing the lid thereto; end gathering means provided on said lid applying means; side gathering means provided on said applying means; and means for shifting said end and side gathering means inwardly during the elevation of a packed case by said elevator to gather the contents of said case inwardly between said lid and said case.

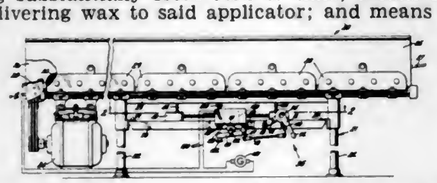
2,141,550

COATING MATERIAL APPLYING DEVICE

Hale Paxton, Santa Ana, Calif., assignor, by mesne assignments, to Food Machinery Corporation, a corporation of Delaware

Application April 1, 1936, Serial No. 72,104
23 Claims. (Cl. 91—37)

13. In combination, a wax applicator adapted to operate continuously to apply wax in minute quantities to each of a continuous stream of rollable entities, the volume of said stream varying substantially from time to time; means for delivering wax to said applicator; and means in



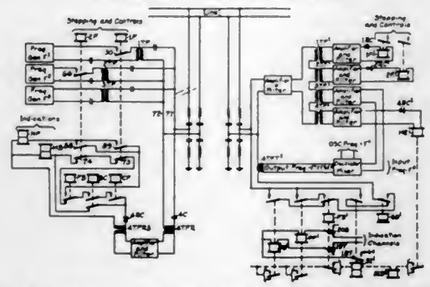
the path of said stream and operative upon engagement with a predetermined number of separate entities travelling in said stream to cause said delivery means to feed a predetermined quantity of wax to said applicator.

2,141,551

CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS

Robert M. Phinney and Walter H. Hoppe, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.

Application August 1, 1936, Serial No. 93,846
7 Claims. (Cl. 177—353)



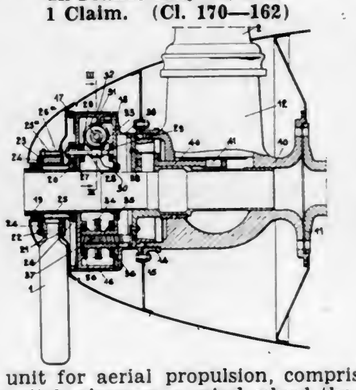
3. A communication system for transmitting indications, one at a time, from one of a plurality of field stations to a central office over a continuously closed line circuit the continuity of which must not be and is not broken comprising; a central office; a plurality of field stations; a continuously closed line circuit connecting said office and field stations; two sources of alternating current of distinctive frequencies at said office; step-by-step means at said office for defining the impulse periods and time spaces between impulse periods of a code cycle and for applying an impulse potential from one of said sources to said line circuit one during each impulse period of a code cycle; step-by-step means at each of said field stations operated in synchronism with the step-by-step means at said office in response to said impulse potentials; generating means for generating alternating current at each of said field stations of a frequency distinctive from the alternating current sources at said office but controlled by the other of said sources of alternating current at said office so that the frequencies and phase relation of the potentials, generated by the generating means at each of a plurality of field stations are substantially the same; a stick relay at each of said field stations assuming an energized condition at the beginning of each code cycle when an indication is attempted to be transmitted from that station; an impulse responsive relay at each of said field stations responsive only to an alternating current impulse of the frequency of the alternating current generated at such or any other field station; means at each field station including the stick relay at such station effective only when the stick relay for that station is energized for applying or not applying a potential from the generating means at such field station to said line circuit during each impulse period of a code cycle to form a code and to energize or not energize the impulse relay at that and every other field station; and a stick circuit for each of said stick relays broken when the impulse responsive relay at that station is energized for an impulse period when no potential was applied to said line circuit at that station; means at said office for registering the impulses applied to said line circuit at said stations for a complete code cycle; whereby the potentials generated by the generating means at a plurality of field stations will not be in phase opposition to neutralize each other and whereby the indication code received at said office is that code of a plurality of codes which are being attempted to be transmitted which is superior and has held its corresponding stick relay energized to the end of the code cycle.

2,141,552

VARIABLE PITCH AIRSCREW

Pierre Paul Ratié, Montrouge, France, assignor to Societe d'Etudes pour l'Aviation (S. E. P. A.), Montrouge, France

Application October 31, 1935, Serial No. 47,698
In France May 31, 1935
1 Claim. (Cl. 170—162)



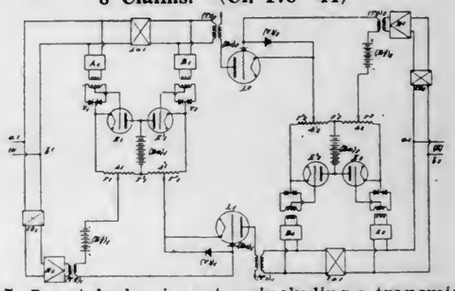
In a unit for aerial propulsion, comprising a variable pitch airscrew, a wind wheel the pitch of which is fixed during flight, mounted coaxially with said airscrew for rotation in the same direction as and at the same or a greater or less speed than the latter, a shaft for rotatively supporting the wind wheel, a connection mechanism between the wind wheel and the airscrew for moving the blades of said airscrew in one direction or the other in order to modify the pitch of said blades when a difference of speed exists between the wind wheel and airscrew in combination, abutments for limiting the angular displacements of the blades of the airscrew in the large pitch and small pitch positions, means for frictionally connecting said wind wheel and said shaft on which said wind wheel is mounted for avoiding, at the end of the displacement, shocks of the blades against said abutments and which constitutes a device for limiting the torque in both directions, and means for adjustably assembling, when on the ground, the blades of the wind wheel, the pitch of said wind wheel having such value that the aerodynamic torque exerted on the same changes the speed thereof to effect a relative rotary displacement of said wind wheel relatively to said airscrew in one direction or the other, when, for one and the same speed of rotation of the airscrew, the speed of translation of said airscrew departs from a definite value, or when for one and the same speed of translation of the airscrew, the speed of rotation of said airscrew departs from a definite value.

2,141,553

TRANSMISSION CONTROL CIRCUIT

Camille Ravut and Louis Godeau, Paris, France, assignors to Societe Industrielle des Telephenes (Constructions Electriques, Caoutchouc, Câbles), Paris, France, a company of France

Application September 29, 1936, Serial No. 103,192
In France October 8, 1935
8 Claims. (Cl. 178—44)



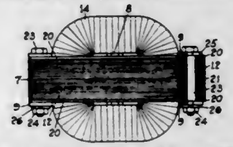
7. In a telephonic system including a transmission line, a four-wire circuit inserted in said line, and a transformer in one one-way path of said circuit having a primary and a secondary, a circuit for said secondary, and a thermionic tube inserted in said secondary circuit, a control device which comprises, in combination, unidirectional conduction means inserted in said secondary circuit in shunt with said tube, a direct current source of fixed electromotive force inserted in said secondary circuit, a resistance inserted in said secondary circuit in series with said source, and means, connected with the other one-way path of said four-wire circuit in shunt with said transformer and operative by current from said line, for producing across said resistance a difference of potential in opposition with the electromotive force of said direct current source.

2,141,554

ADJUSTABLE MAGNETIC CORE STRUCTURE

Wade H. Reichard, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application July 30, 1935, Serial No. 33,828
4 Claims. (Cl. 171—242)



2. In a magnetic device, two separable core members, windings on one of the core members, bolts rotatably carried by one core member and passing through the other core member, eccentric means on the portions of the bolts passing through said other core member, and means for at times preventing rotation of the bolts.

2,141,555

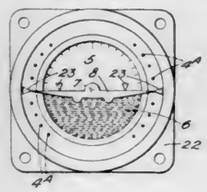
GYROSCOPIC AIRCRAFT INSTRUMENT

George Hancock Reid, London, England

Application October 23, 1935, Serial No. 46,391
In Great Britain October 29, 1934
3 Claims. (Cl. 33—204)

1. An instrument for aircraft comprising a cas-

ing, means for partially evacuating the casing, a two-degree-of-freedom, constrained rate-of-turn gyro within said casing, a jet in said casing for spinning said gyro, a transparent circular air-tight closure forming an end wall of said casing substantially coaxial with the axis of precession of said gyro, a circular transparent walled



capsule within said closure, indicating liquid half filling said capsule, a turn indicator element between said capsule and said closure, and a spindle connection between the precession axis of said gyro and said indicator, said connection passing through said capsule substantially concentric thereof.

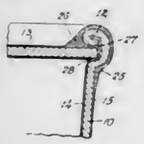
2,141,556

SEALED CONTAINER

James D. Reifsnyder, New York, N. Y., assignor to Lily Tulip Cup Corporation, New York, N. Y., a corporation of Delaware

Application September 17, 1935, Serial No. 40,891

1 Claim. (Cl. 229—5.6)



A seal for a paper receptacle which has been submitted to a treatment of paraffin prior to the insertion of a commodity therein, comprising a receptacle body having at its open end an end section offset outwardly to provide an interior annular shoulder, a flat closure disc seated on said shoulder, the portion of said end section disposed outwardly from said flat disc being curled inwardly upon itself so that the peripheral edge portion of the disc is subjected to clamping pressure directly effective between said shoulder and the curled-in part of said end section and in alignment with the side walls of said receptacle body, and paraffin fused together from a point adjacent the inner edge of said shoulder and between such shoulder and the edge portion of said disc, outwardly to the outer edge of said shoulder, around the edge of said disc and then, in one direction, between the edge portion of said disc and the under portion of the curled edge, and, in another direction, between a part of said end section and the curled-in edge thereof and those other parts of the interior surface of said end section which are curled against each other, and augmented by supplemental fused paraffin between the non-contacting parts of the curled-in portion of the end section and the outer surface of the peripheral edge portion of the disc and around the outer surface of the curled edge of the body to a point beneath the outer part of said shoulder, the said portions of fused paraffin being connected together and forming an integral mass which fills in and seals the spaces between the receptacle body and the disc in the regions specified.

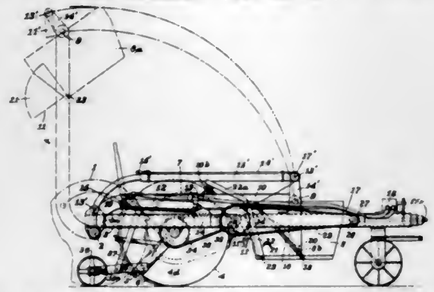
2,141,557

STONE-PICKING MACHINE

Otis F. Reiter, Baltimore, Md., assignor to Fastpic Corporation, Baltimore, Md., a corporation of Maryland

Application April 30, 1937, Serial No. 140,062

30 Claims. (Cl. 55—17)



1. A machine of the class described comprising a frame and carrying wheels, mechanism for picking up stones from the ground and delivering them to a point at the front of the machine, a hopper for receiving the stones at said point, arms in which said hopper is supported pivoted on the frame and swingable upwardly to a delivery point over the ground dumping doors carried by the body of the hopper, a power unit and connections for operating the said swinging arms, and means for operating the dumping doors of the hopper when said hopper is in its elevated position, substantially as described.

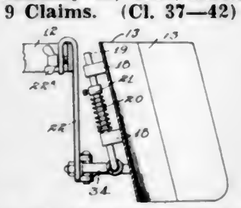
2,141,558

SNOW PLOW ATTACHMENT FOR MOTOR VEHICLES

Alfred F. Richter, Des Moines, Iowa

Application January 21, 1937, Serial No. 121,526

9 Claims. (Cl. 37—42)



1. In a snow plow for automobiles, the combination of two brackets, means for detachably connecting them to an automobile bumper, a scraper blade, two supporting bars, one long and one short, rotatably and detachably connected to said brackets and rotatably and detachably connected to said scraper blade, whereby the supporting bars may be interchanged for holding the scraper blade in position to move material either to the right or left and whereby the bracket with the long supporting bar may be moved laterally for convenience in applying it to selected positions on the bumper.

2,141,559

EXPANSION JOINT WITH PERIPHERAL SEAL

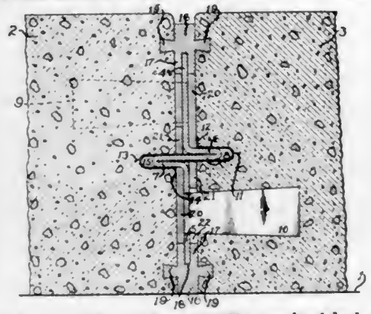
Robert R. Robertson, Chicago, Ill., assignor to The Translode Joint Company, Chicago, Ill., a corporation of Illinois

Application October 5, 1936, Serial No. 103,995

10 Claims. (Cl. 94—18)

1. An expansion joint forming mechanism for embedding between concrete road slabs and comprising a body plate, means for anchoring the body plate in the concrete road slabs, body boards

positioned on opposite sides of the body plates and formed to permit the anchoring means to project therethrough, and a preformed seal engaged around the entire periphery of the body plate and



the body boards and partially embedded in the concrete road slabs to form a continuous seal around the entire periphery of the expansion joint forming mechanism.

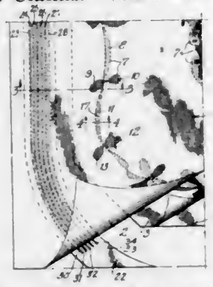
2,141,560

ORNAMENTAL FABRIC AND METHOD OF MAKING SAME

Samuel Rudnick, Chicago, Ill., assignor to American Feather Products Corporation, Chicago, Ill., a corporation of Illinois

Application July 11, 1938, Serial No. 218,559

5 Claims. (Cl. 2—278)



1. Puffed fabric comprising a facing sheet of translucent material, a liner sheet, a pattern sheet having a pattern formed thereon at least a part of which is of a color different from that of the facing sheet, the three sheets being superimposed and joined together by lines of stitching following at least a part of the pattern and forming quilting pockets, and fillings in the pockets between the liner and the pattern which fillings force the pattern against the translucent facing sheet to produce a puffed fabric of colors determined by the colors of the pattern and of the facing sheet.

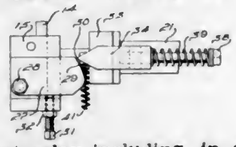
2,141,561

TIME CONTROL CONTACTOR

Orin J. Ryder, Detroit, Mich., assignor to The Murray Corporation of America, a corporation of Delaware

Application September 6, 1934, Serial No. 742,921

5 Claims. (Cl. 200—33)



1. A contact relay including, in combination, a circuit-closing device, a movable member, a cam carried by said member, means carried by said device engageable by said cam when the member is moved to operate said device and retain the circuit closed while the cam passes over said engageable means, and means for adjusting said cam to regulate the time said means is in engagement therewith.

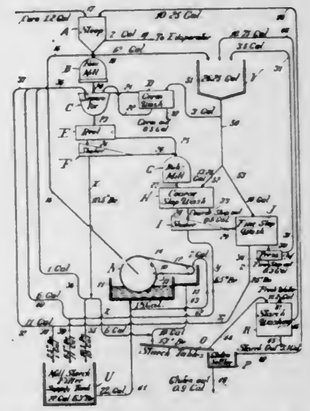
2,141,562

MANUFACTURE OF STARCH

Samuel Shurback, North Kansas City, Mo., assignor, by mesne assignments, to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey

Application July 8, 1935, Serial No. 30,276

9 Claims. (Cl. 127—68)



3. In the process of obtaining starch from corn comprising: steeping and comminuting the corn; subjecting the material to germ separating and coarse and fine slop washing operations yielding mill starch streams of different densities; treating mill starch to remove gluten and the major portion of the water therefrom; and re-using said last mentioned water for steeping corn as the process is continued, the improvement which comprises: extracting water from a mixture containing the major portion of the high density mill starch from the germ separator and portions of the rest of the mill starch and returning the extracted water to the coarse and fine slop washes; and returning, without treatment, to the germ separating operation the major portion of the low density mill starch from the fine slop wash, whereby substantially all of the water removed from the mill starch with the gluten may be returned to the steeping operation.

2,141,563

MULTIPLE FUSE PLUG

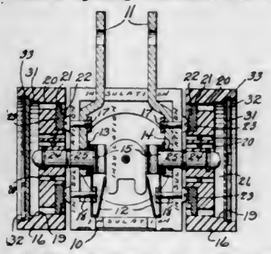
William Skojec, Binghamton, N. Y., assignor of one-twelfth to Paul Skojec, Sr., and five-twelfths to Andrew Stroka, both of Binghamton, N. Y.

Application February 28, 1938, Serial No. 193,138

2 Claims. (Cl. 200—125)

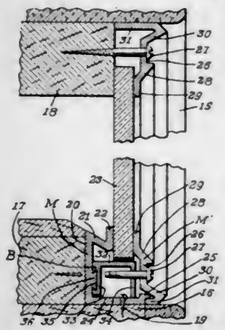
1. A multiple fuse plug comprising a plug body, prongs and spring contacts in the body forming circuit terminals, means insulating a prong and a respective spring contact from each other, contact screws connected to the prongs, contact screws connected to the spring contacts, all of the screws having heads located outwardly of and at opposite sides of the plug body, fuse magazines rotatably mounted on said sides of the body, a

plurality of fuses arranged in a circuitous manner in each magazine and each terminating exteriorly of the magazine in contact ends adapted to bridge the contact screw of one of the prongs and its associated spring contact for connecting



the prong and the spring in series circuit, and studs projecting from the sides of the plug body upon which said magazines are rotatably mounted, rotation of the magazines on the studs advancing the fuses successively into circuit closing position when a fuse burns out.

2,141,564
STORE FRONT CONSTRUCTION
William Stahl, Los Angeles, Calif.
Application April 24, 1937, Serial No. 138,778
3 Claims. (Cl. 20—56.4)



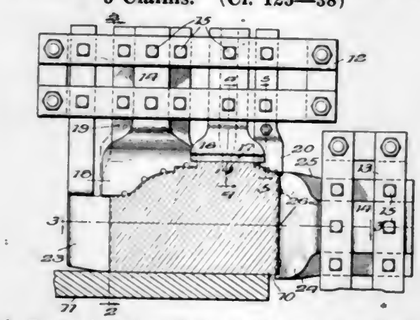
1. In a store front construction; a moulding; a tongue on the moulding; and a glass-supporting member having a groove therein slidably receiving said tongue to allow adjustment of said member along the moulding and yet secure the member against transverse movement relative to the moulding.

2,141,565
BLADE HOLDER
Herbert A. Stilson, Chicago, Ill., assignor to McGill Metal Products Company, Chicago, Ill., a corporation of Illinois
Application September 28, 1936, Serial No. 102,994
9 Claims. (Cl. 30—321)



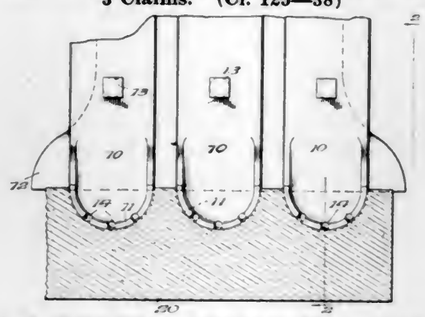
1. In a razor blade holder, the combination of a main body portion, a pair of blade holding members adapted to receive a razor blade between them, one of said holding members being provided with a clamping stud, the other of said holders being provided with a longitudinal bead along one of its side portions, the bead being for the purpose of canting said razor blade and the holder provided with a clamping stud, said body portion having a longitudinally extending, semicircular slot, said stud being adapted to pass through said slot and be clamped in any desired position in said slot.

2,141,566
STONE-CUTTING APPARATUS
Gustave A. Swenson, Champaign, Ill.
Application March 7, 1938, Serial No. 194,493
5 Claims. (Cl. 125—38)



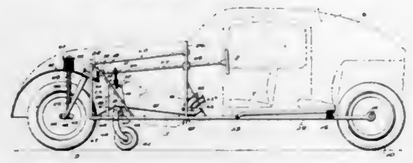
1. In a stone cutting apparatus, the combination of a tool support, two sets of tools fixed in said support and spaced apart to engage the upper surface of a stone adjacent opposite edges of the stone, a tool fixed in said support intermediate said two sets of tools, the side edges of said intermediate tool projecting laterally beyond the contiguous edges of the tools of said two sets, and a set of raglet tools mounted in the support rearwardly of said intermediate tool, the tools of each set being arranged in tandem formation with each tool of greater depth than the tool in advance thereof.

2,141,567
STONE-WORKING TOOL
Gustave A. Swenson, Champaign, Ill.
Application May 11, 1938, Serial No. 207,395
3 Claims. (Cl. 125—38)



1. A stone-working tool assembly comprising a roughing-out gouge having a recessed cutting edge with the wall of each recess beveled to form a cutting edge thereon, a finishing-flute tool secured to the gouge in tandem relation with respect to said gouge, and cutting means associated with said gouge and flute finishing tool for finishing the surface of a stone between flutes cut therein by said gouge.

2,141,568
MOTOR PROPELLED VEHICLE
James G. Tingle, Miami, Fla.
Application February 14, 1938, Serial No. 190,503
5 Claims. (Cl. 280—293)



1. The combination with a vehicle comprising a main frame, front and rear ground wheels and means for effecting steering movement of the front ground wheel comprising a steering shaft, of a pair of caster prop wheels, forks in which said prop wheels are journaled, upstanding shanks carried by said forks, a rock shaft extending across said frame in which said shanks are journalled to turn, cranks upon said shanks, a cross-link connecting the cranks of the two prop wheels, a drag link connected to the cross-link, connections between the drag link and the steering shaft to effect steering movement of the prop wheels from said steering shaft and means for turning the rock shaft about its axis to throw the caster into and out of engagement with the ground.

2,141,569
CONCRETE AND HYDRAULIC CEMENT
George R. Tucker, North Andover, Mass.; Charles W. Tucker, administrator of said George R. Tucker, deceased, assignor to Dewey and Almy Chemical Company, Cambridge, Mass., a corporation of Massachusetts
No Drawing. Application November 21, 1932, Serial No. 643,740
35 Claims. (Cl. 106—27)

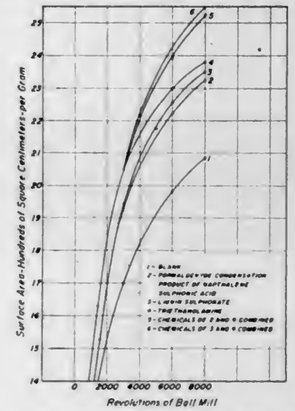
1. The method of increasing the plasticity of a cement concrete mix which consists in increasing the number of discrete particles available for hydration by dispersing the individual cement particles throughout the aqueous mass by the addition of a cement dispersing agent.

2,141,570
CONCRETE AND HYDRAULIC CEMENT
Jacob G. Mark, Brookline, Mass., assignor to Dewey and Almy Chemical Company, North Cambridge, Mass., a corporation of Massachusetts
No Drawing. Application July 24, 1935, Serial No. 32,906
8 Claims. (Cl. 106—27)

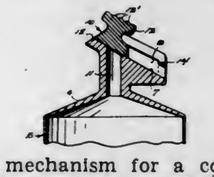
1. Structural concrete of commercially acceptable compressive strength containing hydraulic cement and a water soluble derivative of lignin which has been separated by chemical treatment from other constituents present in the wastes of pulp recovery processes.

2,141,571
GRINDING OF CEMENT CLINKER
Henry L. Kennedy, Arlington, and Jacob G. Mark, Cambridge, Mass., assignors to Dewey and Almy Chemical Company, North Cambridge, Mass., a corporation of Massachusetts
Application November 9, 1935, Serial No. 49,064
2 Claims. (Cl. 83—94)

1. The process of grinding cement which includes the step of adding a water dispersion of a lignin compound to the cement clinker in an amount insufficient to cause the substantial hydration of the resulting cement and thereafter grinding the clinker.

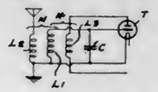


2,141,572
CLOSURE DEVICE FOR COLLAPSIBLE TUBES
Wilmon Stevens Tucker, Seattle, Wash.
Application January 18, 1937, Serial No. 121,036
5 Claims. (Cl. 221—60)



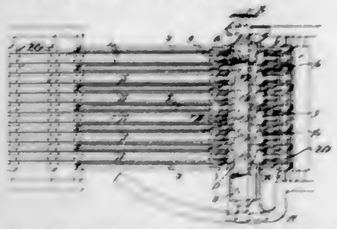
1. Closure mechanism for a collapsible tube comprised of a valve body provided with a surface channel having a port in the wall thereof communicating with the interior of the tube, and a gate valve fitting said channel for slide movement into and from lapping relation to the port, said valve-way together with the valve having a longitudinal taper acting to obtain a wedge action of the valve in the port-lapping travel of the same.

2,141,573
ANTENNA COUPLING SYSTEM
Hans Vogt, Berlin-Lichterfelde, Germany, assignor to Ferrocart Corporation of America, New York, N. Y., a corporation of Delaware
Application July 11, 1935, Serial No. 30,905
In Germany July 18, 1934
11 Claims. (Cl. 250—20)



1. In an antenna coupling system, the combination with an oscillatory circuit coil, a condenser for tuning said coil to resonance at a high frequency, and magnetic core means including a section extending into the coil and a section extending across an end of said coil, of an antenna circuit coupling coil substantially coaxial with said oscillatory circuit coil in the leakage field of said magnetic core means, said coupling coil being separated from said oscillatory circuit coil by the end section of said magnetic core means.

2,141,574
PAPER-CUTTING APPLIANCE
Heinrich Wanner, Chemnitz-Borna, Germany
Application September 27, 1937, Serial No. 165,484
In Germany December 23, 1936
8 Claims. (Cl. 164—68)

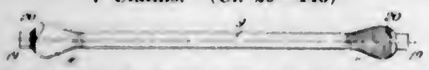


1. A self-adjusting paper feeding means in connection with transverse and diagonal cutters for paper-cutting machines, comprising in combination a cutter beam capable of being slued in a horizontal plane, cutters on the beam, conveyer bands for supporting and feeding the paper to the cutter beam and for conveying the cut-off pieces away from the same, guide rollers for guiding the conveyer bands approximately at the height of the cutters on the beam and guide rollers at the height of the lower part of the cutter beam for guiding the conveyer bands round under the cutter of the beam and bearings for all these guide rollers, the bearings for the guide rollers situated in the immediate neighbourhood of the cutter beam being independently slidable in the longitudinal direction of the conveyer bands on guide rails while remaining at a constant distance apart in the transverse direction of the conveyer bands.

2,141,575
COMPOSITION OF MATTER
Harold Warp, Chicago, Ill.
No Drawing. Application April 2, 1937, Serial No. 134,684
5 Claims. (Cl. 134—15)

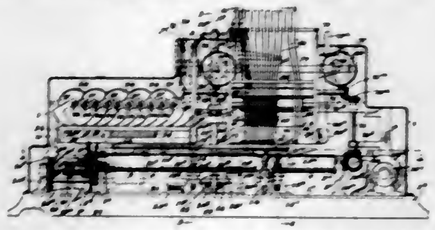
2. A plastic resinous wax composition of matter comprising a homogeneous mixture of from 80 to 50 percent of a resin selected from the group consisting of gum rosin, wood rosin, ester gums, and alkyd type resins and from 20 to 50 percent of micro-crystalline paraffin wax, said wax having a melting point of from 140° to 165° F. and being plastic at temperatures as low as 32° F.

2,141,576
METHOD OF FLATTENING END PORTIONS OF A BAR
Harold G. Warr, Park Ridge, Ill., and Richard A. McLaughlin, Canton, Ohio, assignors, by mesne assignments, to Poor & Company, a corporation of Delaware
Application April 13, 1936, Serial No. 74,128
7 Claims. (Cl. 29—148)



1. The method of producing a metal bar having flattened end portions which consists in pressing a heated bar between dies, bending the intermediate portion of the bar in a predetermined direction and simultaneously flattening the ends thereof, thereby producing an unbalanced condition in one plane and a balanced condition in another plane at right angles thereto, whereby any distortion of the bar, resulting from the lengthwise compressive force incident to the flattening pressure at the ends of the bar, will follow the direction of the bend formed in the bar.

2,141,577
MACHINE FOR PRINTING COMMERCIAL PAPER INSTRUMENTS
Earl Watson and Hugh R. Baker, Buffalo, N. Y.
Application May 28, 1937, Serial No. 145,344
57 Claims. (Cl. 101—93)



1. In a machine of the character specified; a set of value printing type bars, a second set of value printing type bars adjacent the first set; means for setting the bars of each set to print a desired value; and means for successively taking impressions from the sets on a member, the impression of one set forming a tint, and the impression from the other being displayed within said tint, said means including member feeding means actuated between impressions.

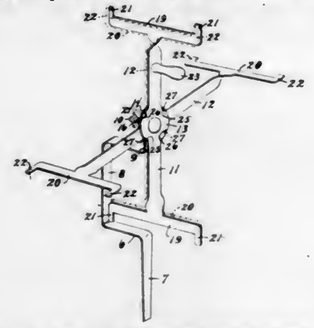
2,141,578
CONVEYER FOR DRYING PLANTS
Sven Wellmar, Stockholm, Sweden, assignor to Aktiebolaget Svenska Fläktfabriken, Stockholm, Sweden, a joint-stock Company of Sweden
Application October 8, 1937, Serial No. 168,102
8 Claims. (Cl. 34—12)



1. In a drying plant for webs of paper, cellulose, textile fabric and the like, in combination, a drying chamber, an air inlet to said chamber, an air outlet from said chamber, a number of shafts, rope pulleys on said shafts, reversing rollers loosely journalled on said shafts between said pulleys for changing the direction of motion of said web, and a rope on said pulleys, said rope having parallel parts for carrying said web.

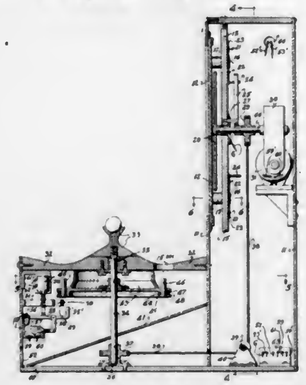
2,141,579
FISHING LINE DRYING REEL
Frederick P. White, Syracuse, N. Y.
Application October 15, 1937, Serial No. 169,257
5 Claims. (Cl. 242—115)

1. In a device of the class described, a support adapted to be mounted on a fishing rod butt or other suitable sustaining means, a plurality of reel arms having line bearing portions rotatably mounted on said support and rotatively movable relative to each other so as to be free to be respectively collapsed together and extended to a position wherein the line bearing portions are spaced from each other, said arms being relatively flat and thin at least at their mid portions and arranged in contiguous side-by-side relation, a pivot pin extending through said arms at their flat mid portions and through said support, and means operative responsive to extension and collapse of



the reel arms for positively restraining said arms against relative rotative movement in extended and collapsed positions respectively, said last named means including means for normally yieldably urging said arms close together on the pivot pin.

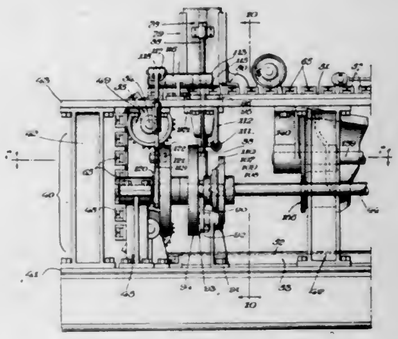
2,141,580
AMUSEMENT AND SKILL GAME
Sanford E. White, Santa Monica, Calif.
Application May 18, 1936, Serial No. 80,274
5 Claims. (Cl. 273—95)



1. In a game apparatus, a housing having a series of ball-receiving openings therein, a movable series of individually movable elements adjacent said openings and adapted to be engaged and moved by a ball passing through one of said openings, a dial element having thereon a series of characters, a pointing element associated with said dial element for indicating a particular character on said dial element, means for revolving one of said last two elements relative to the other, and means for stopping said operation at preselected times, said means being controlled by a ball-moved element.

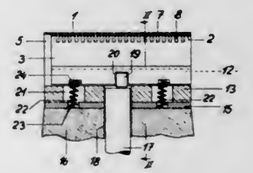
2,141,581
MACHINE FOR MAKING BOOK MATCHES AND THE LIKE
Charles F. Wright, Akron, Ohio, assignor, by mesne assignments, to The Diamond Match Company, a corporation of Delaware
Application October 5, 1935, Serial No. 43,709
Renewed May 25, 1938
6 Claims. (Cl. 93—7)

1. In a machine for making match books and the like, having a travelling carrier, a receptacle for a horizontal pack of vertically disposed covers, a vertically reciprocating stripper element for removing each succeeding foremost cover from



the pack and positioning it vertically adjacent the carrier, means constantly urging the pack of covers against the stripper element, and means for transversely folding the segregated cover and inserting the folded cover in the carrier.

2,141,582
CUTTING MACHINE SUCH AS A SAFETY RAZOR
Leopold Wimberger, Vienna, Austria, assignor to L. Wimberger Kommanditgesellschaft & Co., Patentverwertungsgesellschaft, Vienna, Austria, an Austrian company
Application October 29, 1936, Serial No. 108,255
In Austria February 15, 1936
3 Claims. (Cl. 30—43)

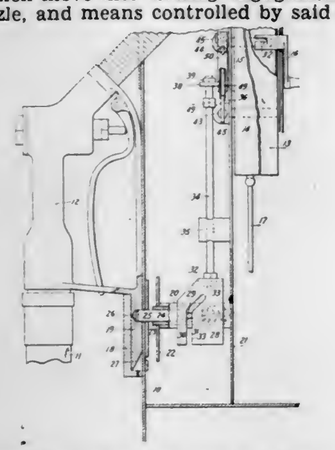


1. In a hair cutting machine especially a safety razor of the character described, a handle member, an operating shaft in said member, a shearing head mounted on said handle and including a stationary cutting plate of very small thickness and a cutting knife plate, means to move said knife plate in a plane parallel to that of stationary plate, said plates each having numerous small cutting apertures whose dimensions are substantially equal in all directions.

2,141,583
LIQUID DISPENSING APPARATUS
Joseph A. Winger, Indianapolis, Ind.
Application April 7, 1937, Serial No. 135,528
13 Claims. (Cl. 221—95)

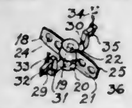
1. In a liquid dispensing apparatus comprising a delivery hose, a nozzle carried by said hose, a support for said nozzle when it is not in use, a register to register items relating to the liquid dispensed, and means for resetting said register to zero, a yieldable locking member arranged normally to be engaged and retracted by said nozzle when the latter is placed on its support

and to then move into locking engagement with said nozzle, and means controlled by said reset-



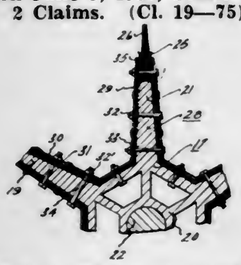
ting means for retracting said locking member and releasing said nozzle.

2,141,584
SOUND REPRODUCING AND RECORDING APPARATUS
Samuel Wittander, Traneberg, Sweden
Application December 2, 1936, Serial No. 113,917
In Sweden February 22, 1936
2 Claims. (Cl. 179—100.41)



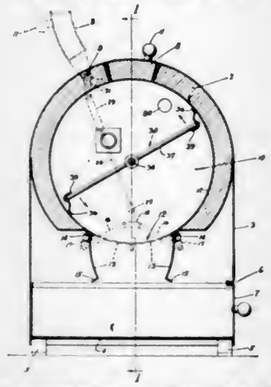
1. In an apparatus for engraving sound records and for reproducing such records, the combination of two magnetic fields, a cross having a plurality of arms, edges on at least two arms of said cross, an electric conductor movable between said magnetic fields, said electric conductor being arranged about said cross and bearing on said edges so as to cause same to vibrate about an approximately diametral or diagonal axis.

2,141,585
VACUUM FEEDER AND PADDLE WHEEL THEREFOR
Bronson C. Woodford, Dallas, Tex., assignor to The Murray Company, Dallas, Tex., a corporation of Texas
Application June 3, 1937, Serial No. 146,227
2 Claims. (Cl. 19—75)



1. A paddle wheel for a vacuum feeder including, a rotatable shaft, an elongate member secured on the shaft and having a plurality of radially directed arms, longitudinal flexible wipers carried by the outer ends of said arms, a plurality of sealing elements at each end of the member, each element being substantially V-shaped so as to fit between adjacent arms of the member and including a flexible strip which extends beyond the end of the member when the element is in position thereon, and means for varying the position of said elements on the member to compensate for wear of the flexible strips thereof.

2,141,586
AUTOMATIC ROASTER
John K. Woolsey and Frank W. Carpenter, Minneapolis, Minn., assignors, by mesne assignments, to The Woolsey Industries, Inc.
Application April 19, 1937, Serial No. 137,828
10 Claims. (Cl. 34—7)

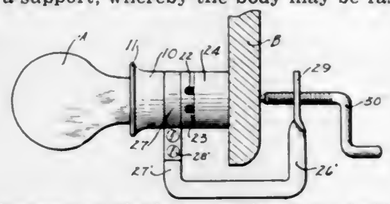


10. In an apparatus of the class described, a housing comprising a plurality of insulated walls defining a roasting chamber, a receiving opening in a wall of said chamber provided with a suitable door, a discharge opening in the lower wall of the chamber, oppositely disposed doors for closing said discharge opening, heating elements in the chamber, an agitator also in the chamber, a driving mechanism for the agitator, a switch for controlling the operation of said driving mechanism and said heating elements, a threaded shaft, a pivoted member, a slide movable on said pivoted member and adapted to operatively engage said threaded shaft, whereby said slide is longitudinally moved in one direction on the pivoted member, a latch for retaining the pivoted member in operative relation with respect to said shaft, means operated by said driving mechanism for actuating said latch to release the pivoted member, after a predetermined time interval, whereby said pivoted member will effect opening of said switch and interruption of the entire apparatus, and means whereby said agitator will come to rest in a position to clear the discharge opening of the chamber.

2,141,587
ELECTRIC LAMP SOCKET
Robert N. Wright, Gladwater, Tex.
Application May 20, 1935, Serial No. 22,418
3 Claims. (Cl. 240—52.1)

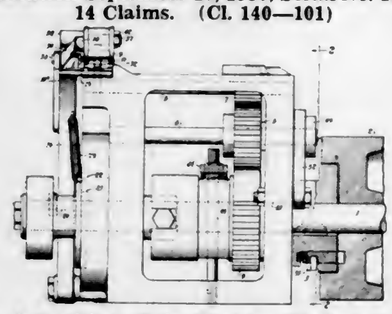
1. An electric lamp for attachment to a supporting member including, a body having a socket for receiving a lamp bulb and having transverse grooves for receiving electrical conductors, contacts in the body for conducting current from the conductors to the lamp bulb, a base member for engaging the body and covering the grooves for holding the conductors therein, and a U-clamp having a collar to be secured to the

body and also having a screw member for engaging a support, whereby the body may be fastened



to the support, the base member being held in an engaged position over the conductors in said grooves between the body and support.

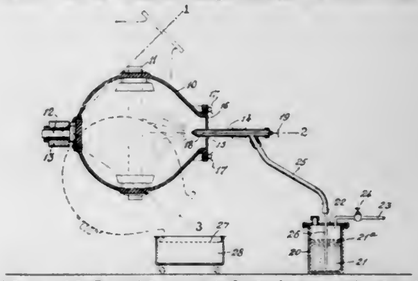
2,141,588
SPRING KNOTTING MACHINE
Fred R. Zimmerman, Chicago, Ill., assignor to Nachman Springfilled Corporation, Chicago, Ill., a corporation of Illinois
Application September 17, 1937, Serial No. 164,330
14 Claims. (Cl. 140—101)



1. A machine of the kind specified comprising a longitudinally slotted rotatable coiling head, a manually controlled power actuated mechanism for imparting to said head a predetermined number of complete revolutions at each actuation thereof, a spring carrier equipped with means for firmly holding a spring in predetermined position thereon, and in opposed relation to said slot of said head, means included in said mechanism for moving said carrier toward said head for positioning a predetermined portion of the spring carried thereby in said slot prior to the beginning of the actuation of said head, a spring clamping member mounted on said carrier, and means on the machine frame disposed in the path of said clamping member for throwing the same into engagement with the spring at the instant of completion of said movement of said carrier and so maintaining the same during the period of rotation of said head, and means arranged for cooperation with said carrier for effecting bending of a predetermined length of a terminal portion of the spring during said movement of said carrier to cause said end portion to overlap said first-named portion and hold the same in engaging relation to said head for effecting coiling of a part of said end portion about said first-named portion of said spring, said last-named means cooperating also with said clamping means.

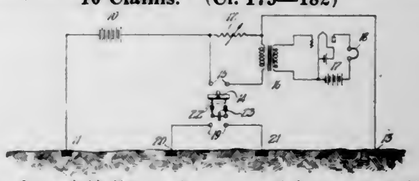
2,141,589
LAUNDRY BLUEING AND SOURING COMPOSITION
Howard B. Bishop, Summit, N. J.
Application January 9, 1936, Serial No. 58,272
7 Claims. (Cl. 8—77)

1. A readily soluble laundry souring and blueing composition in dry, dustless, screened, powdered form containing as its major ingredient comminuted crystalline ammonium silico fluoride, and as a minor ingredient sodium silico



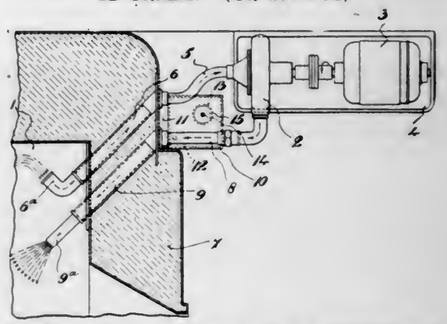
fluoride, said fluoride crystals being neutral with respect to free acids, and a moderately hydrated anhydrous dextrose, the said crystalline components being coated with a blueing agent.

2,141,590
RESISTIVITY METER
Ernest E. Blondeau, Tulsa, Okla., assignor to Geophysical Research Corporation, New York, N. Y., a corporation of New Jersey
Application October 30, 1937, Serial No. 171,822
10 Claims. (Cl. 175—182)



1. A resistivity meter comprising an exciting circuit for producing current flow in the earth, a resistance element in said circuit, a pair of electrodes in contact with the earth, a condenser, means for charging said condenser to the potential produced across said electrodes, and means for comparing the potential of the charged condenser with the potential drop across said resistance element.

2,141,591
METHOD OF AND MEANS FOR CREATING A MOIST ATMOSPHERE IN BAKERS' OVENS AND OTHER CHAMBERS
Francis Herbert Bonner, Bristol, England
Application December 17, 1937, Serial No. 180,303
In Great Britain February 10, 1937
11 Claims. (Cl. 107—64)



5. Means for creating a moist or humid atmosphere in a chamber, comprising a delivery pipe leading into the chamber, an extractor pipe lead-

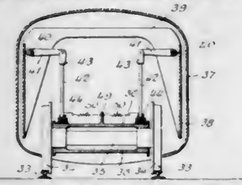
ing from the said chamber, an impeller between the extractor and delivery pipe adapted to draw heated air from the chamber and return the same to the latter through the delivery pipe, a water container, a tube passing into the delivery pipe and extending into the water container, so that water may be drawn up the tube by an inductive action and converted into steam which passes into the chamber, a valve in the extractor pipe for partly or entirely cutting off the heated air supply, and a valve for enabling air to be drawn in from the atmosphere and delivered into the chamber.

2,141,592

SPRING SUSPENSION SYSTEM FOR CARS

Friedrich Konrad Clar, Berlin-Hermsdorf, and Carl Geissen, Berlin-Schoneberg, Germany; said Clar assignor to Rheinmetall-Borsig Aktiengesellschaft/werk Borsig Berlin-Tegel, Berlin-Tegel, Germany, a corporation of Germany

Application February 19, 1937, Serial No. 126,662
In Germany February 20, 1936
3 Claims. (Cl. 105—453)



3. In a vehicle, a roofed vehicle frame, an axle support, at least two separate supporting means situated on opposite sides of said frame each of said supporting means having at least two members movable relatively to each other to vary the operative length of said supporting means; and automatically operable means for moving said members depending upon the position of said frame relatively to said axle support; a rod-spring carried by said vehicle frame, a torsion lever situated adjacent the vehicle roof and having one end connected with said rod-spring, means connecting the other end of said torsion lever with one of said members, and means connecting the other one of said members with said axle support.

2,141,593

LUBRICATING OIL

Louis A. Clarke, Fishkill, and Charles C. Towne, Poughkeepsie, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application August 27, 1934, Serial No. 741,724
3 Claims. (Cl. 87—9)

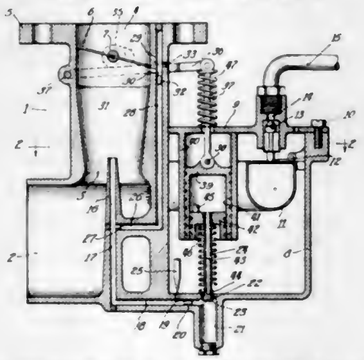
1. The method in the manufacture of a synthetic lubricating oil of high viscosity index and other desirable properties, which comprises condensing about five parts by weight of ethylene chloride with about eight parts by weight of benzene in the presence of a Friedel-Craft catalyst of the character of anhydrous aluminum chloride to produce an oily condensation product, separating the oily condensation product from sludge and removing lower boiling constituents therefrom to obtain a synthetic oil within the lubricating oil boiling range having a viscosity index of about 80 or above, and then hydrogenating the obtained oily product within the lubricating oil boiling range to produce a synthetic lubricating oil having a viscosity index in excess of 100.

2,141,594

CARBURETOR

Don Cole, Chicago, Ill., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana

Application May 9, 1927, Serial No. 189,983
66 Claims. (Cl. 261—34)



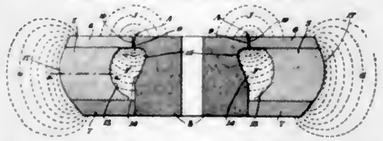
1. In combination in a carburetor, an air passage, a fuel supply chamber, a fuel supply passage from the chamber to the air passage adapted to convey fuel drawn into the stream of air flowing in said air passage, a throttle for said air passage, a second fuel supply passage for delivering fuel from the fuel chamber into said air passage, a valve normally closing said second passage for preventing the drawing of fuel therethrough, means for jointly opening the throttle and said valve, means for closing the valve, said closing means having a delayed action, and means for positively holding the valve open when the throttle is wide open.

2,141,595

MAGNET STRUCTURE

Lionel Brice Cornwell, Stamford, Conn., assignor to Cinaudagraph Corporation, Stamford, Conn., a corporation of Delaware

Application January 13, 1937, Serial No. 120,369
2 Claims. (Cl. 179—117)



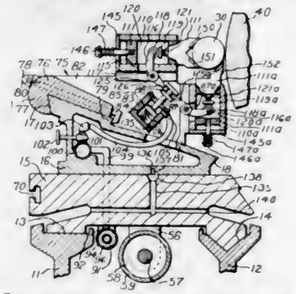
1. A permanent magnet structure comprising in combination, a core structure, a permanent magnet consisting of a substantially continuous ring of uniform cross section made of material having a high coercive force not less than 300 oersteds at a remanence of 3000 gausses and a radial thickness at least half the length of the magnet between poles, a low reluctance connection between said ring and the core structure at one pole and an end plate of low reluctance flux-concentrating metal at the other pole of said ring and forming an air gap with the corresponding end of the core structure, the inner surface of the permanent magnet ring being outwardly deflected adjacent the air gap to provide a lengthened leakage path around the inner edge of the gap, and the outer face of the ring being deflected outwardly beyond the outer margin of the end plate and of the opposite magnet pole to provide a ring of substantially uniform radial thickness and an elongated leakage path between the magnet poles.

2,141,596

AUTOMATIC STEADY REST FOR GRINDING MACHINES

George Crompton, Jr., Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application November 19, 1936, Serial No. 111,570
7 Claims. (Cl. 51—238)



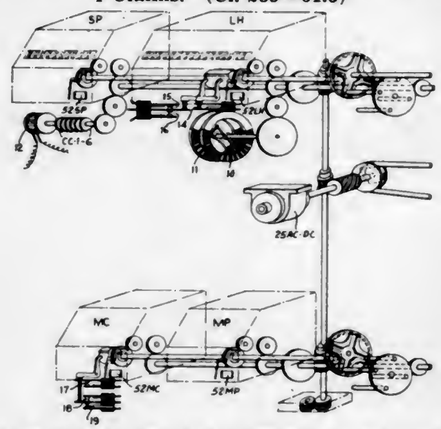
1. A steadyrest mechanism for grinding machines and the like comprising a steadyrest element having two surfaces in the form of a V, a second steadyrest element having a single surface, an actuator for both elements, and connections whereby all three surfaces remain equi-distant from a given line in all positions of the actuator, measurements being made normal to said surfaces from the said line.

2,141,597

DECIMAL POINT CONTROL FOR ACCOUNTING MACHINES

James M. Cunningham, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application April 28, 1934, Serial No. 722,860
4 Claims. (Cl. 235—61.6)



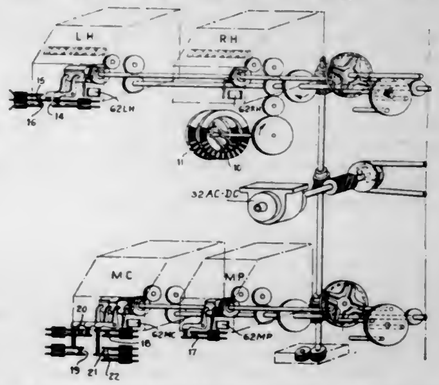
1. A record controlled multiplying machine for multiplying factor data derived from each of a succession of records in a run, wherein one factor on each record is perforated in the same relative columnar relation irrespective of its true denominational value and wherein variable denominational magnitude characteristics of said factor are designated by special characteristic perforations, factor receiving means, multiplying mechanism controlled thereby including result receiving means which receives calculated results in a denominational relation determined by the denominational relation of entries into the factor receiving means; in combination, means for presensing said special characteristic perforations, factor sensing means, connections between said sensing means and said factor receiving means for normally controlling entry of factor data in the denominational relationship in which the data is sensed, and means controlled by said presensing means for variably setting said connections to change the denominational relationship of entry between said factor sensing means and said factor receiving means whereby the entry of results into said result receiving means during multiplying operations will be effected in a denominational relationship predetermined for each record conjointly by the special characteristic perforation presensing means and the factor sensing means.

2,141,598

AUTOMATIC DECIMAL POINT SELECTING DEVICE FOR ACCOUNTING MACHINES

James W. Bryce, Bloomfield, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application May 4, 1934, Serial No. 723,888
11 Claims. (Cl. 235—61.10)



1. A record controlled accounting machine, including record controlled entry receiving means, record analyzing means for reading designations of amounts to be entered therein, shiftable connections between said entry receiving means and the analyzing means, presensing means for presensing amount designations on the records to determine the denominational magnitude thereof and means controlled by said last named means for controlling the shiftable connections and effecting a columnar shift to vary denominationally the entries into the receiving means depending upon denominational magnitudes of amounts.

2,141,599

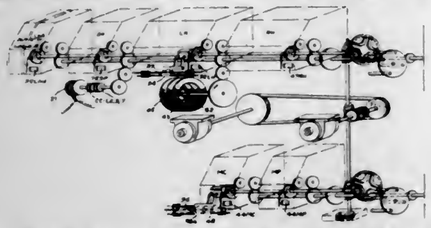
CHECKING DEVICE FOR MULTIPLYING MACHINES

James W. Bryce, Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application July 3, 1936, Serial No. 88,805
10 Claims. (Cl. 235—61.7)

1. In a checking machine comprising record feeding means for feeding a succession of records in intermittent record feeding and reading cycles, record controlled factor receiving means for receiving factors of a computation to be checked, multiplying means controlled thereby including result receiving means for receiving a product computed by said multiplying means in a series of machine cycles including multiplying cycles, a record controlled receiving means for receiving a product amount derived from a record and resulting from a previous multiplication of the same

factors; including in combination, means to transfer the complement of the product amount from the last mentioned receiving means to the result receiving means before the latter receives the product computed by the multiplying means, said result receiving means being brought to a



zero status during the machine cycle in which the computed product is completely entered therein upon the agreement of the product derived from the record with the computed product, means to test the on zero condition of the result receiving means during the machine cycle in which the computed product is fully entered therein, and means controlled by said testing means to initiate a record feed of a following record by the record feeding means.

2,141,600

REFRACTORY FOR INDUCTION FURNACES

Henry C. Fisher, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

No Drawing. Application October 10, 1935, Serial No. 44,416

3 Claims. (Cl. 13—35)

1. The method of making a furnace lining for cuprous induction furnaces which comprises mixing refractory oxide grain with a bond and a temporary binder, pressing the mixture into the shape desired, firing to vitrify the bond, placing the fired lining in a receptacle, filling the receptacle above the level of the lining with a liquid including a reducing agent which is such as to molten copper, placing the receptacle in a vacuum box, reducing the pressure, and removing the lining from the vacuum box thereafter.

2,141,601

SUPPRESSING WAX IN OILS

Charles Edwin Francis and Bernard Sutro Greensfelder, Martinez, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application October 22, 1934, Serial No. 749,499

2 Claims. (Cl. 87—9)

1. A limpid oil composition comprising a mineral oil containing wax in amount and composition normally to cause visible wax to separate from the oil in a solid state at temperatures above the pour point of the wax-containing oil, and a small quantity of pentastearyl glucose to suppress the said separation of visible wax.

2,141,602

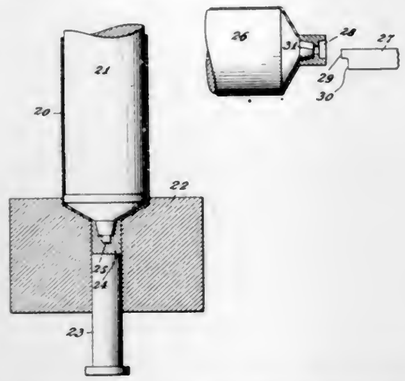
METHOD OF MAKING COLLAPSIBLE TUBES

John H. Fridén, Maplewood, N. J., assignor to The Sun Tube Corporation, Hillside, N. J., a corporation of New Jersey

Original application January 19, 1934, Serial No. 707,233, now Patent No. 2,042,836, dated June 2, 1936. Divided and this application April 30, 1936, Serial No. 77,135

10 Claims. (Cl. 29—148.2)

1. In a method of making a collapsible tube, the steps which comprise extruding a tube having a body portion and a neck with a recess formed in the end wall of the neck but not completely through the same, and cutting away a portion of



the metal of the end in line with said recess and over a greater cross-sectional area than said recess to form said recess into an open passage and to leave an annular rim beyond said passage and surrounding the same.

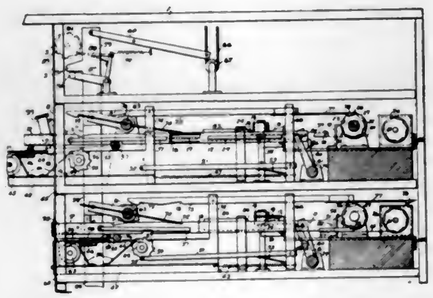
2,141,603

VOTING MACHINE

Coulter E. Glenn, Evans City, and Harvey S. Glenn, Oakmont, Pa.

Application June 10, 1936, Serial No. 84,482

2 Claims. (Cl. 235—55)



2. In a voting machine, in combination with a plurality of slidable voting members, individual counters for said members, means for locking said voting members in the voted and unvoted position, a transversely extending shaft fixed in the frame in rear of the inner end of said voting members, a plurality of combined ratchet and regulating disks loosely mounted on said shaft, means for coupling two or more ratchet and regulating disks together for group control, each regulating disk being provided with a plurality of uniformly spaced radially disposed apertures for receiving a movable control pin and a stationary stop pin, means for holding the stationary stop pin in engagement with the under side of the stop bracket, means for moving said movable pin one space nearer said stop bracket each time a voting member is pushed in to voted position to register a vote on a counter, whereby the number of voting members which may be operated is limited.

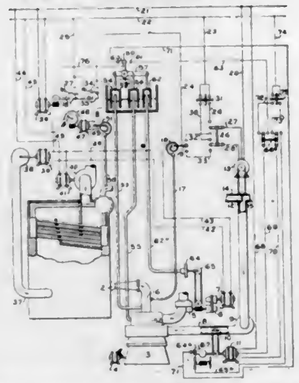
2,141,604

CONTROL SYSTEM

Ralph M. Hardgrove, Westfield, N. J., assignor to Bailey Meter Company, a corporation of Delaware

Original application May 8, 1931, Serial No. 536,037. Divided and this application June 25, 1935, Serial No. 28,382

9 Claims. (Cl. 110—106)



7. A combustion control system for a vapor generator having a combustion chamber, means for supplying fuel for combustion to the chamber, a fuel pulverizer communicating with said means including means for feeding thereinto fuel to be pulverized, control means responsive to variations from a predetermined value of a condition of the vapor for regulating the feed of fuel to said pulverizer, means for supplying air to the pulverizer to provide a carrier for the pulverized fuel, regulating means for said last named means, means for determining the flow of carrier air, means for determining the rate of supply of fuel to the pulverizer, and means under the joint control of said last two named means for positioning said regulating means.

2,141,605

SOLVENT REFINING OF OIL

Waldersee B. Hendrey and Leon W. Cook, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application April 2, 1937, Serial No. 134,523

4 Claims. (Cl. 196—13)

1. The method of refining oil by solvent extraction to separate it into fractions respectively rich in low and high viscosity index constituents, which comprises extracting the oil with tetrahydrofurfuryl acetate in the presence of around 5 to 20% of halogenated acetic acid such that upon separation of the oil and solvent into extract and raffinate phases the raffinate phase will contain a larger proportion of high viscosity index oil than when the extraction is made in the absence of the acid, forming an extract phase containing low viscosity index constituents dissolved in the bulk of the solvent and a raffinate phase comprising high viscosity index constituents mixed with a small amount of the solvent, separating the two phases and removing the solvent therefrom.

2,141,606

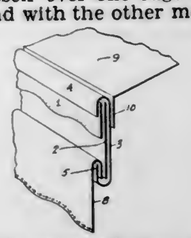
SHELF EDGING

Edward Karfiol, Great Neck, N. Y.

Application October 27, 1937, Serial No. 171,192

10 Claims. (Cl. 41—10)

10. A shelf edging comprising a plurality of plies with one marginal portion of a rear ply returned upon itself over one edge of at least one forward ply and with the other marginal portion



of said rear ply returned upon itself over one edge of at least two forward plies, leaving one edge of at least one forward ply exposed to view.

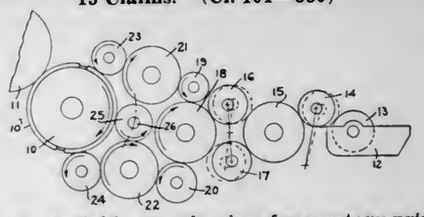
2,141,607

INKING MECHANISM FOR PRINTING MACHINES

Frederick Lamatsch, Grantwood, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Application December 23, 1936, Serial No. 117,259

15 Claims. (Cl. 101—350)



1. In an inking mechanism for a rotary printing machine, a printing member rotatable in either direction, a plurality of inking cylinders, a plurality of form rollers each in contact with said printing member and with one of the plurality of inking cylinders, and another form roller in contact with said printing member and mounted for movement into contact with any one of the inking cylinders.

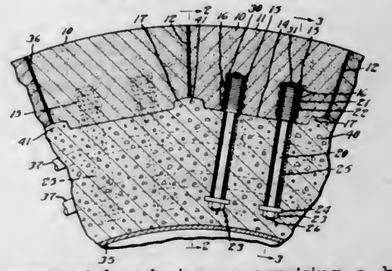
2,141,608

PULPSTONE

Thure Larsson, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application August 11, 1937, Serial No. 158,494

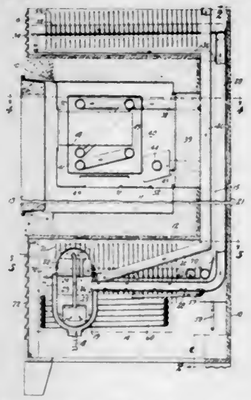
1 Claim. (Cl. 51—206)



A segmental pulpstone comprising a hollow monolith of concrete, a plurality of segments surrounding and in contact with said hollow monolith, the periphery of the segments constituting a cylindrical grinding surface each segment being formed of bonded abrasive material, a plurality of securing means securing the segments to the concrete there being a plurality of the securing means for each segment, each securing means

comprising an elastic bolt under initial tension, a sleeve surrounding each bolt placing it under tension, a washer at one end of each sleeve and a head beyond each sleeve which is cemented into the segment both the sleeve and the washer being embedded in the concrete, the monolith having a plurality of key ridges extending parallel to the axis of the cylindrical grinding surface, each segment having a pronounced reentrant groove at each end extending parallel to the axis of the cylindrical surface, the key ridges being received between segments and projecting outwardly of the major inner surface of the segments into the reentrant grooves, the segments being thus keyed to the hollow monolith of concrete by the key ridges which extend to either side of the geometrical planes bounding the segments.

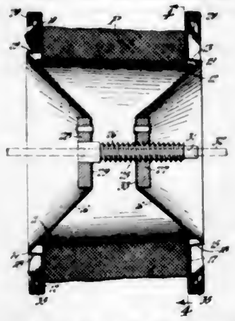
2,141,609
REFRIGERATION
Alvar Lenning, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., Dover, Del., a corporation of Delaware
Application April 16, 1935, Serial No. 16,540
16 Claims. (Cl. 62—119.5)



13. In absorption refrigerating apparatus, an insulated food compartment, an apparatus compartment below said food compartment, wall members forming a flue at the rear of said cabinet communicating with said apparatus compartment, a generator within said apparatus compartment, and a direct air-cooled absorber comprising essentially a tubular conduit disposed in said apparatus compartment and having a plurality of heat-dissipating conduit branches in a single substantially horizontal plane, all of said branches being substantially in parallel with respect to air flow and each of said branches being exposed to cooling by air of entrance temperature, unheated by previous dissipation of heat of absorption, at least a major portion of the absorber having its conduit portions non-overlapping with respect to air flow.

2,141,610
REEL OR HOLDER FOR TEXTILE PACKAGES
Royal Little, Providence, and Freeman W. Fraim, Cranston, R. I., assignors to Franklin Rayon Corporation, Providence, R. I., a corporation of Rhode Island
Application April 10, 1936, Serial No. 73,730
6 Claims. (Cl. 242—110)

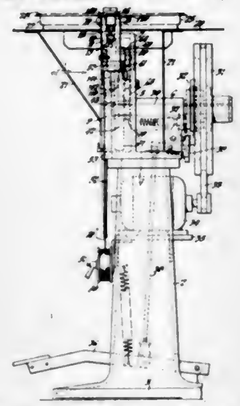
1. A holder for textile packages comprising an expansible mandrel, end members for cooperating with the opposite ends of the mandrel, annular pockets in said end members for receiving the ends of a flexible sheath enclosing the mandrel and folded over the end members, means for expanding the mandrel radially, and means cooperating with the pockets in the end members for gripping the folded-over ends of the flexible sheath therein.



2,141,611
METHOD OF ALKYLATING CYCLIC COMPOUNDS
Boris Malishev, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application December 2, 1933, Serial No. 700,752
5 Claims. (Cl. 260—671)

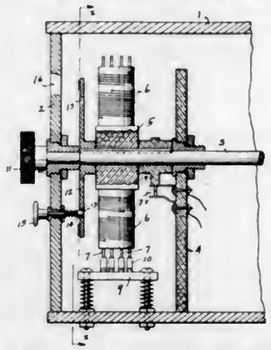
5. In the process of introducing a side chain into the nucleus of a cyclic compound capable of being alkylated, the steps of adding to the cyclic compound another compound containing an olefinic double bond, and reacting the resulting mixture with substantially anhydrous P_2O_5 at a temperature between about 150° to 300° C.

2,141,612
STAPLING OR WIRE-STITCHING MACHINE
Arthur H. Maynard, Warwick, R. I., assignor to Boston Wire Stitcher Company, Warwick, R. I., a corporation of Maine
Application November 11, 1937, Serial No. 173,982
12 Claims. (Cl. 1—2)



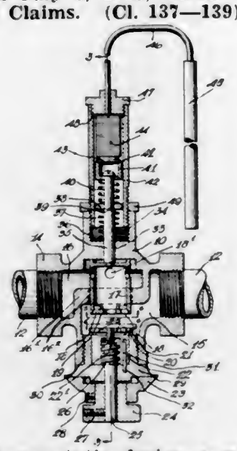
1. In a stapling or wire-stitching machine, an anvil having a slot therein, means for feeding a length of wire through the slot in the anvil, means for gripping the wire in the slot, a bender-bar reciprocable with respect to the anvil to bend the end portions of the wire to form a staple, means for rotating the bender-bar to position the formed staple in a plane angularly related to the direction of feed of the wire, and means for driving the formed staple.

2,141,613
COIL SELECTOR
John Melicharek, Houston, Tex.
Application February 13, 1930, Serial No. 428,072
11 Claims. (Cl. 250—40)



7. A high frequency electrical system comprising a movable carrier, a plurality of impedance units of different values mounted upon said carrier, a high frequency electrical circuit, variable capacity means in said high frequency electrical circuit, said high frequency electrical circuit terminating in contacts adjacent said movable carrier, contacts on said movable carrier connected with said impedance units, and means automatically controllable by the movement of said carrier for modifying the effect of the electrical capacity in said high frequency electrical circuit according to the value of impedance which is connected therein.

2,141,614
OVEN VALVE AND THE LIKE
Frederick R. Mott, Philadelphia, Pa., assignor to Yarnall-Waring Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 6, 1935, Serial No. 30,082
8 Claims. (Cl. 137—139)

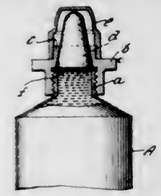


8. In a thermostatic device, a valve body, a valve in within the body operated by a thermostat, a valve seat cooperating with the valve, an adjustable connection between the valve and thermostat for permanently adjusting the position of the valve with respect to its seat to close the valve for any thermostat position and means readily operable from outside the valve for changing the valve seat position to make temporary adjustments in temperature setting.

2,141,615
PRODUCTION OF EXTRACTS FROM CARBONACEOUS MATERIAL
Alfred Pott, Essen-on-the-Ruhr, Germany
No Drawing. Application November 30, 1935, Serial No. 52,442. In Germany May 24, 1935
6 Claims. (Cl. 196—14)

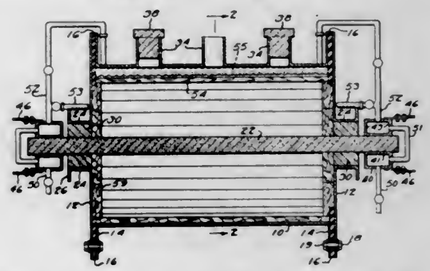
1. In a method of producing extracts from solid carbonizable material by treating said material with liquid solvents the major portion of which consists of tetraline, the steps of separating said extracts from solid residues of said material, treating said separated extracts containing traces of ash-forming residues with acid within a temperature range from room temperature to about 60° C., thereby removing substantially said traces from said extracts, and separating said extracts from said acid.

2,141,616
CONTAINER FOR TOILET MATERIALS
Irving Radetzky, New York, N. Y.
Application August 13, 1938, Serial No. 224,667
1 Claim. (Cl. 132—80)



A container for toilet material comprising a body portion, an exteriorly threaded upwardly projecting neck having an opening for the egress of the material, a cap screw-threaded to said neck and having a vertical cone-shaped opening adapted to receive a plug of treatment-material fitting said opening, held therein by friction and projecting upwardly therefrom, said cap having an annular seat surrounding said opening, and a washer carried by the cap, fitted upon said annular seat and covering the said openings in the cap and neck.

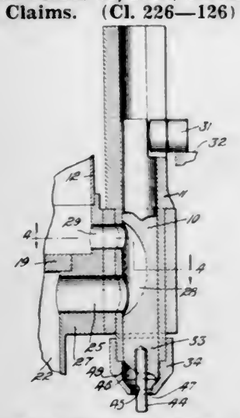
2,141,617
BORON CARBIDE ALLOY AND METHOD OF MAKING THE SAME
Raymond R. Ridgway, Niagara Falls, N. Y., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application June 10, 1936, Serial No. 84,474
7 Claims. (Cl. 75—136)



1. The method of making boron rich boron carbide comprising the steps of providing a

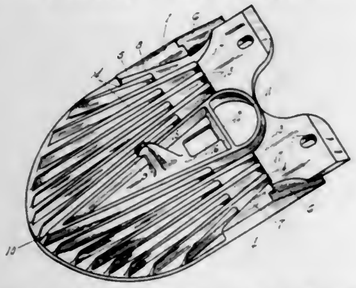
charge containing boron oxide and carbon and progressively heating the charge by an electrical resistor to a temperature at which said boron carbide is formed, while maintaining such an electrical power input below 22 kilowatts per square foot of surface area of the resistor that the temperature conditions will insure the formation of boron carbide having a boron content higher than is required for the formula B_4C.

2,141,618
VALVE FOR CAN FILLING MACHINES
Edward Roge, Chicago, Ill., assignor to Lever Brothers Company, Cambridge, Mass., a corporation of Maine
Application November 14, 1936, Serial No. 110,799
3 Claims. (Cl. 226—126)



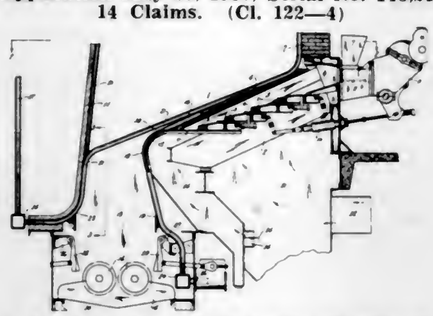
1. A valve for filling machines and the like comprising a vertically-arranged valve casing, a nozzle at the lower end of the casing having a restricted orifice at its lower end, a valve body slidably mounted in the casing and having an upper open position and a lower closed position, the lower end of the valve body being spaced from the restricted orifice of the nozzle when the valve body is in closed position, and a member smaller than the orifice extending downwardly from the lower end of the valve body, said member being arranged when the valve body is in closed position to be located in the orifice.

2,141,619
TUYÈRE
William V. Sauter, Philadelphia, Pa., assignor to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 27, 1935, Serial No. 8,572
9 Claims. (Cl. 110—44)



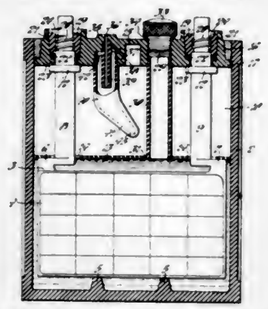
6. A tuyère block comprising a relatively flat body portion, having an air inlet end and an air discharge end, a pair of projections extending from one face of said body portion at the opposite sides thereof, said projections having substantially arcuate inner surfaces, a pair of ribs diverging toward said air inlet end from a point near the extreme end of said discharge end, a substantially rounded rib provided intermediate the ends of said body portion, connecting the ends of said first mentioned ribs and forming a streamline abutment for the incoming draft air, and said ribs forming with the arcuate inner surfaces of said projections a pair of air passages of substantially Venturi form.

2,141,620
STOKER
William V. Sauter, Philadelphia, Pa., assignor to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 28, 1937, Serial No. 145,211
14 Claims. (Cl. 122—4)



1. A stoker having a fuel supporting portion, an ash pocket disposed at one end of said stoker, and a series of fluid conducting members extending longitudinally through the fuel bed and overlying said fuel supporting portion, some of said members extending across the top of said ash pocket.

2,141,621
ELECTRIC STORAGE BATTERY
Albert Setzer, North Scituate, R. I.
Application December 15, 1934, Serial No. 757,668
1 Claim. (Cl. 136—177)



In an electric storage battery cell, an enclosing casing, electrodes in the casing, an electrolyte immersing the electrodes, a vent opening in the top of the casing, a shield surrounding the vent opening to prevent the escape of electrolyte in any angular position of the casing, a filler opening in the top of the casing, a tube within the filler opening extending downwardly therefrom with its end positioned below the end of the shield, a lever pivotally mounted on the top of the casing with one arm overlying the vent opening to seal the latter and its opposite arm apertured to surround the filler opening, means normally urging the sealing arm into engagement with the vent opening while liquid is supplied to the cell, and a plug for the filler opening extending through the aperture in the arm of the lever and having a flange engaging the lever at the sides of the aperture to remove the sealing arm of the lever from the vent opening.

2,141,622
SOLVENT DEWAXING PROCESS FOR LUBRICATING OILS
Horace B. Setzler, Coffeyville, Kans., assignor to The National Refining Company, a corporation of Ohio
No Drawing. Application October 8, 1934, Serial No. 747,421
2 Claims. (Cl. 196—18)

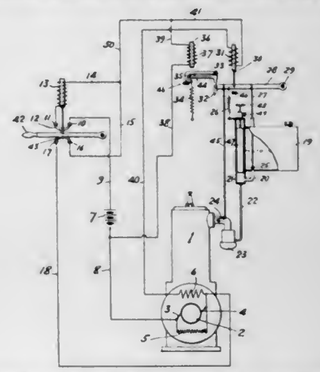
1. In the simultaneous dewaxing and acid treating of mineral oil which contains an insufficient quantity of sludge forming substance, the steps comprising adding a quantity of still residue to such oil, chilling the resulting mixture to a temperature which causes wax to precipitate, treating the mixture while cold with sulphuric acid in a quantity to react with the still residue and oil to form a sludge adapted to aid separation of the wax from the oil, and separating simultaneously the sludge and precipitated wax from the treated oil.

2,141,623
METHOD OF REFINING PARAFFIN BASE OILS
Victor I. Downey, Lakewood, Ohio, assignor to National Refining Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application April 22, 1937, Serial No. 138,365
8 Claims. (Cl. 196—18)

1. The method of refining paraffin base oils, containing insufficient asphaltic material for satisfactory acid de-waxing treatment, to form substantially wax free bright stock which includes the steps of producing a steam refined or cylinder stock from the paraffin base oil, cracking said steam refined or cylinder stock whereby the viscosity of the oil is reduced and a small amount of unsaturated asphaltic hydrocarbon or reactive substances are created from and in the steam refined or cylinder stock, diluting said steam refined or cylinder stock containing said unsaturated hydrocarbons or reactive substances with a lighter oil, chilling said diluted mixture to a temperature below 40° F., and subjecting said chilled mixture to the action of sulphuric acid whereby the mixture may be approximately freed from the wax content thereof.

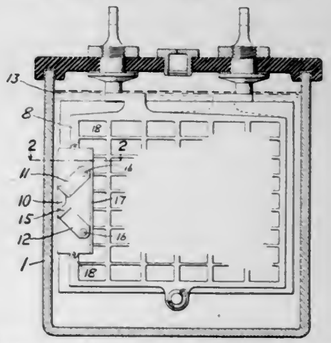
2,141,624
CHARGING STORAGE BATTERIES
Edward W. Smith, Philadelphia, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey
Application June 19, 1936, Serial No. 86,051
8 Claims. (Cl. 290—31)

1. A storage battery charging system comprising, a storage battery, an electric generator, a circuit connecting said battery and said generator so that said battery is charged by said generator, an engine connected to said generator to drive it, a normal supply of fuel for said engine, a limited supply of fuel for said engine, and means responsive to the condition of said battery and arranged to disconnect said engine from said normal supply while still connected to said limited supply so that



said engine continues to drive said generator and thus to charge said battery only until said limited supply is exhausted.

2,141,625
STORAGE BATTERY CHARGE INDICATING MEANS
Edward W. Smith, Philadelphia, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey
Application December 21, 1936, Serial No. 116,868
2 Claims. (Cl. 265—45)



1. Means for indicating the state of charge of a storage cell provided with plates, electrolyte and transparent walls, said means comprising, an elongated body having a turned end and of a specific gravity intermediate the maximum and minimum specific gravity of the electrolyte, said body being loosely pivoted at a point remote from its turned end for vertical angular motion, said body being located for visibility of its turned end through one of said walls and for visibility of the remaining portion through another wall.

2,141,626
SOLVENT REFINING HYDROCARBON OIL
Le Roy G. Story, White Plains, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application February 5, 1937, Serial No. 124,232
2 Claims. (Cl. 196—13)

2. In the extraction of lubricating oil with a selective solvent to separate the oil into an extract phase rich in naphthenic constituents, and a raffinate phase rich in paraffinic constituents

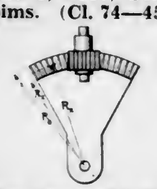
at temperatures substantially above the dewaxing temperature of the oil, the character of the oil and solvent being such that appreciable emulsification occurs during extraction and separation into phases, the method of inhibiting emulsification during said extraction and separation into phases comprising incorporating in the oil a small amount of material comprising a metallic soap of a higher fatty acid and effecting separation into phases in the presence of said material at a temperature substantially above the dewaxing temperature.

2,141,627

GAUGE OR INDICATOR

Chauncey C. Street, Providence, R. I., assignor to Federal Products Corporation, a corporation of Rhode Island

Application August 5, 1937, Serial No. 157,520
10 Claims. (Cl. 74—459.5)



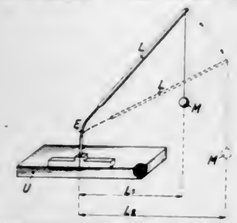
1. In an indicator, means for transmitting motion in two planes comprising a pinion spur gear, and a crown gear meshing therewith, the teeth of the crown gear being radial thereof of a shape which is conjugate to the shape of the teeth of the spur gear.

2,141,628

GRAVITY MEASURING INSTRUMENT

Stephan Baron von Thyssen-Bornemisza, The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application September 6, 1934, Serial No. 742,878
In Germany January 17, 1934
8 Claims. (Cl. 265—1.4)



1. A gravitational meter, comprising a base, a spring knee section rigidly mounted upright in said base and being under tension and curved to one side of the perpendicular and a rigid section forming an extension of the outer end of said knee section, and a mass carried by the rigid section and subject to gravitational pull to cause relative angular displacement of the knee section, whereby the center of gravity of said mass is laterally shifted with respect to the point of attachment of said knee section to the base, the lateral displacements of the said center of gravity indicating different gravitational values.

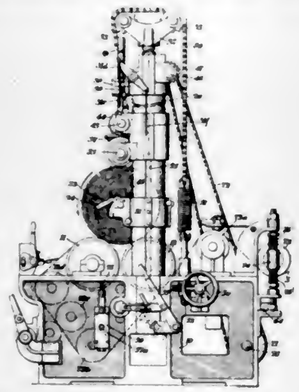
2,141,629

REWINDER

Sterling W. Warner and Lynn B. Case, New Brunswick, N. J., assignors to John Waldron Corporation, New Brunswick, N. J., a corporation of New Jersey

Application May 8, 1937, Serial No. 141,451
31 Claims. (Cl. 242—66)

1. A device of the character described comprising a pair of parallel horizontal rollers, a rewind spindle above said horizontal rollers, means supporting said rewind spindle for vertical movement, a smoothing roller for engagement with strip material wound on said rewind spindle, means supporting said smoothing roller for vertical movement, interconnections between said



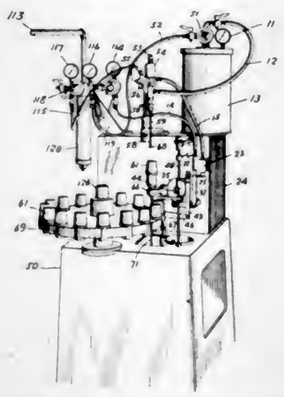
two vertically movable supporting means for effecting relative movement of said two means with the extent of movement of the second means being substantially twice that of the first means, means for applying hydraulic lifting pressure to said first supporting means, and means for varying said applied pressure.

2,141,630

MACHINE FOR COATING TUBES INTERNALLY

Charles J. Westin, Philadelphia, Pa., assignor to F. J. Stokes Machine Company, Philadelphia, Pa., a corporation of Pennsylvania

Application April 3, 1936, Serial No. 72,493
11 Claims. (Cl. 91—45)



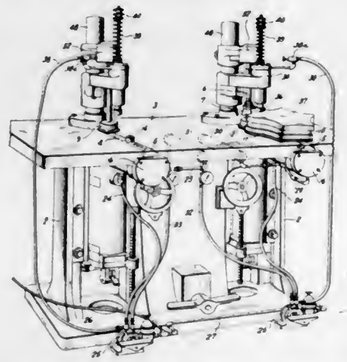
10. In a tube-coating machine, the combination of, means for conveying a plurality of collapsible tubes with their longitudinal axes vertical, a spray-gun mounted above a portion of the path of travel of said tubes in axial alignment therewith, said spray-gun having a nozzle adapted to provide a spray of coating material having a uniform horizontal cross-section, and means for providing relative movement between one of said tubes and said nozzle, whereby said tube surrounds said nozzle during the spraying operation.

2,141,631

WOOD-SHAPING MACHINE

William M. Whitney and Austin W. Hawes, Winchendon, Mass., assignors to Baxter D. Whitney & Son, Inc., Winchendon, Mass., a corporation of Massachusetts

Refiled for abandoned application Serial No. 734,632, July 11, 1934. This application September 26, 1936, Serial No. 102,732
5 Claims. (Cl. 144—145)



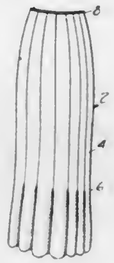
1. In a wood working machine, the combination of a supporting table, a rotary cutter and work guide, a slide mounted on the table, a work carrier connected to the slide, fluid actuated means connected to the slide for moving the work carrier into engagement with the guide for the cutting operation and for withdrawing it from cutting position, said means comprising a cylinder extending in a direction parallel to the direction of movement of said slide having a fluid passage at each end, a piston between the two fluid passages connected to the slide, and means for controlling the admission of fluid pressure to one end of the cylinder and opening the exhaust at the other end of the cylinder to cause the work carrier to be moved to cutting position and then reversing the fluid pressure and exhaust to withdraw the work carrier or form from cutting position.

2,141,632

SKIRT AND METHOD OF MAKING THE SAME

Irving A. Winter, Woodmere, N. Y.

Application January 5, 1938, Serial No. 183,404
2 Claims. (Cl. 2—211)



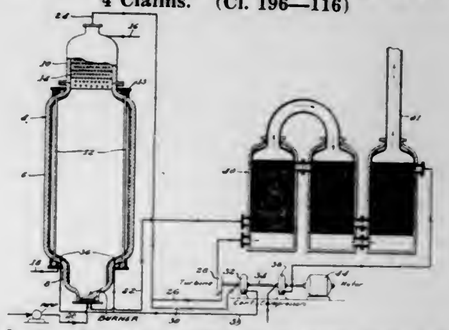
2. A skirt having gores so cut as to make it close-fitting for a portion of its length with substantial fullness at the bottom, each gore being of the full length of the skirt and cut to have an abrupt increase in width where the fullness of the skirt begins, the abrupt change in width being in the form of convex curves the edges of which, when adjacent gores are sewn together in the completed skirt, extend inwardly toward the wearer.

2,141,633

HEATER FOR FLUIDS

Oscar Wolf and Ross C. Powell, Forest Hills, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

Application July 6, 1935, Serial No. 30,123
4 Claims. (Cl. 196—116)



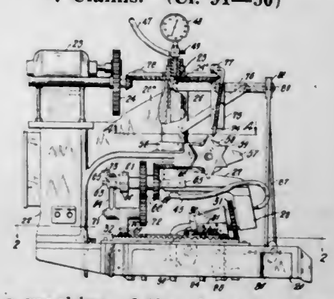
1. In a furnace, a combustion vessel, means for introducing fuel and combustion promoting gas under pressure into said vessel, means for passing hydrocarbon fluids in indirect heat conducting relation to the interior of said vessel for heating said fluids and for maintaining pressure above 25 pounds per square inch absolute in said vessel, a power mechanism, means for utilizing spent exhaust gases discharged from said vessel for actuating said power mechanism, means for compressing combustion promoting air by said power mechanism, and means for compressing a portion of said spent exhaust gases by said power mechanism and reintroducing same into said vessel for diluting the combustion gases therein.

2,141,634

ADHESIVE APPLYING MECHANISM

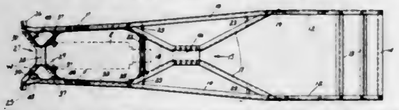
Harry F. Affelder, Cleveland Heights, Ohio

Original application November 12, 1934, Serial No. 752,666. Divided and this application June 8, 1937, Serial No. 147,077
7 Claims. (Cl. 91—50)



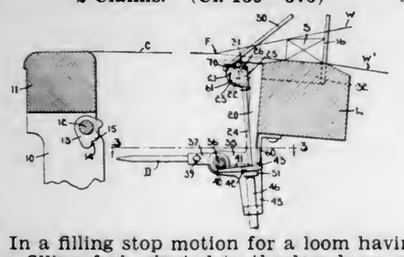
7. In a machine of the character described, a support adapted to receive an article to which gum is to be applied, a stationary gum fountain, and a gum transferring and applying mechanism movable with respect to the fountain, said mechanism including a member arranged to take a charge of gum from the fountain as the said mechanism moves past the fountain, and a second member arranged to receive the charge of gum from the first member and to deposit the charge upon the article.

2,141,635
AUTOMOBILE FRAME
Einar Almdale, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Application October 15, 1935, Serial No. 45,064
8 Claims. (Cl. 280—106)



1. In an automobile frame having a pair of spaced apart side rails at the front of the frame, a front transverse cross member connecting the rails in spaced relation and comprising a pair of arms having corresponding ends spaced from one another and connected to their respective rail in spaced relation, a boxing-in element extending parallel to each rail and secured thereto for forming the rail into closed box section, and the end of each element between the spaced arms forming a closed box section with each rail and bent inwardly to connect with the forward arms of the front cross member in spaced relation to the side rail.

2,141,636
CENTER STOP MOTION FOR LOOMS
George E. Adams, Pawtucket, R. I., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application January 10, 1938, Serial No. 184,210
2 Claims. (Cl. 139—376)

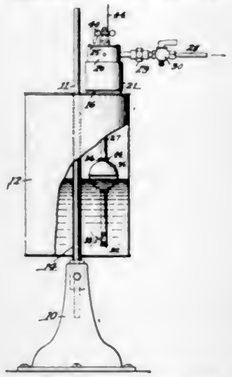


1. In a filling stop motion for a loom having a lay, a filling fork pivoted to the lay, loom stopping mechanism, a pivotally mounted collar forming part of the stopping mechanism and having a notch and a shoulder at one side of the notch movable in a direction toward the notch during a loom stopping operation, a dagger carried by the lay to enter the notch and cause pivoted motion of the collar on loom stopping operations and causing the shoulder to move against the dagger to dislodge the latter from the notch, an actuator moving in one direction as the lay moves rearwardly and moving in the opposite direction as the lay moves forwardly, a link moving with the filling fork and having a head on the end thereof remote from the fork for engagement with the actuator, and an arm moving with the dagger bearing against that side of the head opposite the actuator, said arm being movable away from the head independently of motion of the link when said shoulder dislodges the dagger from the notch.

2,141,637
COMPOSITION OF MATTER
Albert L. Ball, Lewiston, N. Y., assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Application November 29, 1935, Serial No. 52,194
7 Claims. (Cl. 106—22)

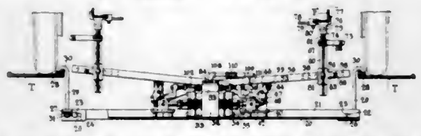
1. A cement comprising a heat hardenable mixture of finely divided inert material and a liquid resinous vehicle therefor, the said finely divided material consisting of particles ranging in size downward from those which will just pass through a No. 40 mesh screen and including an appreciable proportion of material consisting of particles whose major dimension is less than ten microns.

2,141,638
SOLVENT DISPENSING APPARATUS
Melvin J. Bean, Wellesley, Mass.
Application September 30, 1937, Serial No. 166,616
2 Claims. (Cl. 221—69)



1. Solvent dispensing apparatus comprising a can having a threaded flange and a removable cap, a dispensing fitting having inner and outer sleeves with a recess between their lower edge portions which decreases upwardly in cross sections and which snugly receives said flange when forced thereon, said fitting having associated therewith a pipe extending downward within said can substantially to the bottom thereof and provided with a side inlet port near its lower end, a suction pipe connected to said fitting, a manually adjustable valve in said fitting effective to control the flow of solvent from said can to said suction pipe, and a float valve surrounding said first pipe and having a central sleeve freely slidable thereon, said sleeve being effective to close said inlet port when said float is in lowered position.

2,141,639
VEHICLE ROCKING DEVICE
Joseph August Catalano, New Orleans, La.
Application March 18, 1937, Serial No. 131,714
10 Claims. (Cl. 73—51)

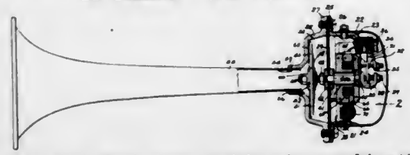


1. In a vehicle rocking device, an elongated base member, means at the ends of said member for suspending the member from a vehicle greasing rack, independent arms each pivoted at one end to said member for independent pivotal movement, means carried by the free ends of said arms and adapted to engage vehicle frame members, levers pivotally supported from said base member and having means engaging said arms to raise and lower the free ends of the arms as the levers are oscillated, and a fluid pressure motor operatively connected to said levers to oscillate the same.

2,141,640
METHOD OF CHROMIZING
Hugh S. Cooper, Cleveland Heights, Ohio, assignor to Cooper Products, Inc., Cleveland, Ohio, a corporation of Ohio
No Drawing. Application November 11, 1936, Serial No. 110,275
1 Claim. (Cl. 148—14)

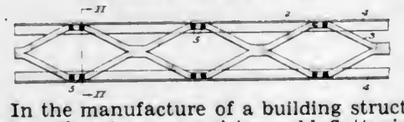
The method of chromizing which comprises heating the object to be chromized at a temperature of approximately 1200° C. to 1400° C. in a reducing atmosphere, in contact with a charge comprising chromium carbide and chromium oxide.

2,141,641
SOUND SIGNAL
Robert M. Critchfield, Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 27, 1929, Serial No. 381,515
13 Claims. (Cl. 177—7)



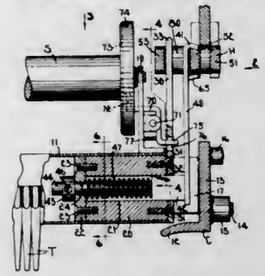
1. A signal device comprising in combination; a base; a collar provided with a wall, said wall provided with an aperture having a conical portion and a neck portion; a trumpet secured in said neck portion; a diaphragm clamped between said collar and base; a disc extending over said conical portion and connected with said diaphragm, said disc lying in close juxtaposition to the mouth of said conical portion merging with said wall substantially at right angles to the axis of said collar; a motor carried by said base; a rod connecting said motor with the diaphragm and disc, said rod having an end extending into said conical portion; and means for altering the position of said disc relative to said wall, said means being located upon the end of said rod within the conical portion so that the unobstructed cross-sectional area of the passage through the conical portion and about the means is at least as great as the cross-sectional area of the smallest part of the outlet.

2,141,642
STRUCTURAL MEMBER AND MANUFACTURE THEREOF
Leonard W. Cross, Warwood, W. Va., assignor to The Consolidated Expanded Metal Companies, Wheeling, W. Va., a corporation of West Virginia
Application October 28, 1935, Serial No. 47,063
2 Claims. (Cl. 29—155)



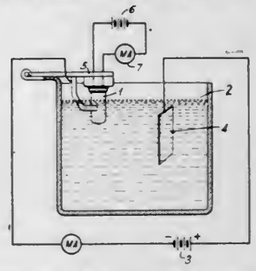
1. In the manufacture of a building structural member, the steps comprising cold flattening a sheet of expanded metal, severing the same lengthwise of the diamonds of the expanded metal through bonds thereof to form an elongated web member, assembling said web member with opposed edge members each having a broad faced portion lying generally in the plane of the structural member and a flange portion extending generally transversely of such plane and with the severed bonds of the web member lying against the broad faces of the edge members which lie generally in the plane of the structural member, and, without bending the web member, welding said severed bonds thereof to said broad faces of the edge members which lie generally in the plane of the structural member.

2,141,643
BRAKE FOR AXMINSTER LOOM TUBE FRAMES
Edward J. Dacey, Philadelphia, Pa., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Original application December 20, 1937, Serial No. 180,814. Divided and this application May 3, 1938, Serial No. 205,752
8 Claims. (Cl. 139—10)



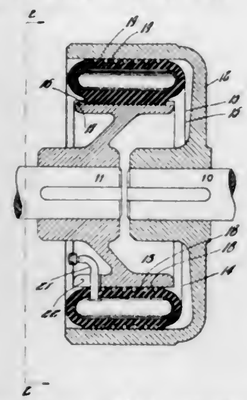
1. In an Axminster loom, a tube frame, a yarn spool rotatable on the tube frame, a friction brake normally held against the spool to resist accidental rotation of the latter, a hook for supporting the tube frame normally spaced from the brake, and means to move the hook to a non-supporting position and against the brake to move the latter out of contact with respect to the spool.

2,141,644
MANUFACTURE OF EVACUATED METAL ENVELOPES
Clifford Eddison, East Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application November 27, 1937, Serial No. 176,813
5 Claims. (Cl. 250—27.5)



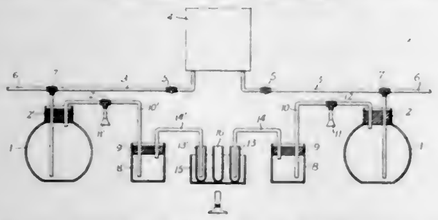
4. The method of reducing gas in a substantially evacuated metal envelope, comprising immersing the envelope in an electrolytic solution containing a hydrogen bearing compound, passing a current through said electrolyte between the envelope connected as a cathode and an anode to liberate and ionize some of the hydrogen in said compound, diffusing the hydrogen through the envelope wall to reduce the gas pressure, and applying voltages to the electrodes in said envelope.

2,141,645
ASSEMBLY FOR UNIVERSAL JOINTS AND THE LIKE
Thomas L. Fawick, Akron, Ohio
Application September 4, 1936, Serial No. 99,421
9 Claims. (Cl. 64—11)



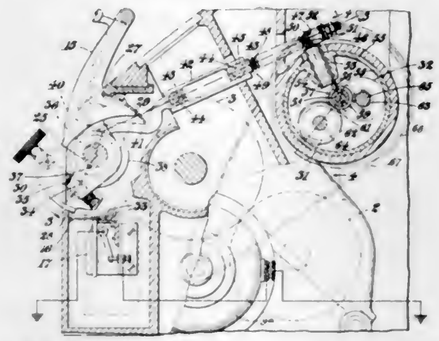
2. The combination of a mechanism to be driven and, mounted in series for driving the same, a pair of shafts, a driving member and a driven member mounted upon them respectively and formed with juxtaposed generally cylindrical surfaces, and a fluid-containing bag mounted between, and held to a pronouncedly flattened form throughout its length by contact of, the said surfaces.

2,141,646
DEVICE FOR DETECTING ETHYL ALCOHOL
Charles Ferguson, Elizabeth, N. J.
Application March 10, 1936, Serial No. 68,038
1 Claim. (Cl. 23—253)



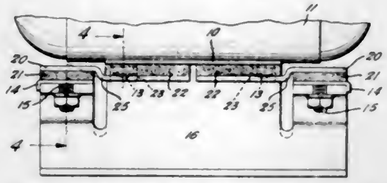
In an apparatus for use in determining and indicating the presence of ethyl alcohol in exhaled human breath, a reservoir adapted to contain water, a closed flask adapted to receive water from the reservoir, a closed jar adapted to contain an acetone absorbing solution, a tube adapted to contain a solution for indicating the presence of ethyl alcohol, piping leading from the reservoir to the bottom of the flask, from the top of the flask to the bottom of the jar, and from the top of the jar to the tube a two way valve between the reservoir and the flask to establish communication between the reservoir and the flask or between the flask and the atmosphere, a two way valve between the flask and the jar to establish communication between the two or between the flask and the source of supply of the exhaled breath, a second closed flask, jar, and tube, each of equal capacity with the first mentioned flask, jar and tube respectively, piping connecting the reservoir with the flask, the flask with a jar, and the jar with a tube, and means for maintaining an equal temperature in said tubes.

2,141,647
MILLING MACHINE FOR GRAIN
Auguste Frérotte, Liege, Belgium, assignor to Henry Simon Limited, Stockport, England, a British company
Application July 2, 1937, Serial No. 151,652
In Belgium July 25, 1936
5 Claims. (Cl. 83—12)



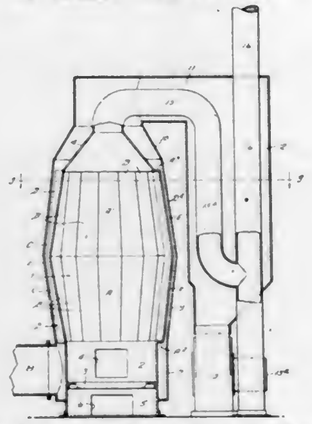
1. A milling machine comprising two milling rollers, a fixed mounting for one roller, a movable mounting for the other roller, hand-controlled means associated with the movable mounting for adjusting the distance apart of the rollers, gearing between said rollers which permits movement of the movable roller without disengagement of the gearing, means for feeding the material to be ground to the rollers, an electric motor adapted to drive both one of the members of the gearing and said feeding means, an electric switch in circuit with said motor and so operatively connected to the hand-controlled means that the circuit is closed when the rollers are brought together and opened when the rollers are moved apart.

2,141,648
PERIPHERAL RESILIENT MOUNT FOR ELECTRIC MOTORS
Harvey D. Geyer, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 12, 1935, Serial No. 40,227
3 Claims. (Cl. 248—26)



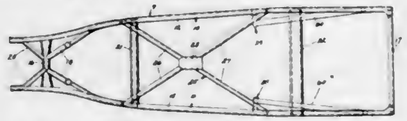
1. In an electric motor having a base bracket and a metal housing surrounding the motor shaft, in combination, resilient rubber mounts for supporting said housing upon said bracket, said mounts each comprising: a metal plate fixed to said housing, a second metal plate fixed to said bracket, an intermediate floating metal plate, and two resilient rubber layers bonded by vulcanization in situ to opposite sides of said floating plate and to said first and second metal plates respectively, said two rubber layers being disposed substantially perpendicular to a radial line through the axis of the motor shaft whereby the torque reaction on the motor housing is resiliently carried by shear in said rubber layers.

2,141,649
FURNACE INSTALLATION
Harry E. Grill, Willoughby, and Henry H. Feldstein, Cleveland, Ohio, assignors to The Kilby Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application December 22, 1937, Serial No. 181,110
3 Claims. (Cl. 126—110)



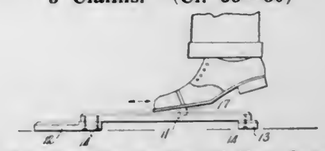
1. In a furnace, the combination of a combustion chamber comprising substantially symmetrical end sections increasing progressively in diameter toward the middle portion thereof, the said combustion chamber being provided with continuous corrugations extending from end to end thereof, the corrugations being each of progressively increasing width from its ends to the middle thereof, a shell surrounding the combustion chamber in close proximity to but spaced from the ribs formed between the corrugations of the combustion chamber thereby to provide an air-heating conduit consisting of circumferentially spaced passageways merging with a narrow annular passageway of substantially uniform width from end to end thereof, there being an outlet receiving heated air delivered from the delivery ends of said passageways, and means for forcing air into the opposite ends of said passageways.

2,141,650
AUTOMOBILE FRAME
Orlin B. Harmon, Lakewood, and Robert H. Maddock, Cleveland Heights, Ohio, assignors to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Application November 23, 1936, Serial No. 112,194
5 Claims. (Cl. 280—106.5)



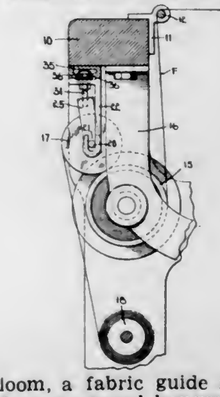
1. In an automobile frame, a pair of side rails of channel configuration having a web terminating in flanges, a cross member extending at an acute angle thereto for connecting the same, and a spring hanger spanning the space between one of said side rails and said cross member, said spring hanger having an enlarged portion nested within the flanges of said one side rail and welded to said side rail, and having a reduced portion extending through and beyond said cross member toward the longitudinal axis of said frame and welded to said cross member, and means in said reduced portion for connection with one end of a spring to suspend said spring end between said angularly disposed cross member and the longitudinal axis of said frame.

2,141,651
SHOE-TESTING DEVICE
George R. Hill, Nashville, Tenn., assignor to General Shoe Corporation, Nashville, Tenn., a corporation of Tennessee
Application November 6, 1937, Serial No. 173,258
3 Claims. (Cl. 35—50)



1. A shoe-testing device of the character described, comprising a platform having a substantially horizontal upper surface, said surface having a relatively long and narrow groove for guiding a ball, and a ball disposed in said groove and adapted to be rolled along the groove by the pressure of the sole of a shoe moved thereon.

2,141,652
FABRIC GUIDE FOR TAKE-UP
Elbridge R. Holmes, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application January 20, 1938, Serial No. 185,935
4 Claims. (Cl. 139—304)

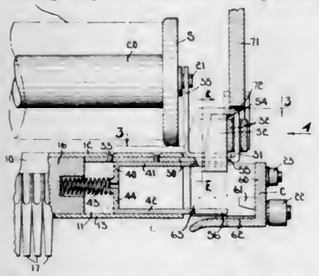


1. In a loom, a fabric guide roll from which project gudgeons, spaced hangers fixed with respect to the loom and having upwardly opening pockets to receive the gudgeons, a guard having closed bearings through which the gudgeons extend, and a vertical guide pin extending through and having guiding relation with respect to the guard, said guard being slidable upwardly relatively to the hangers and the pin serving to prevent substantial angular motion of the guard and gudgeons during upward motion of the guard and guide roll.

2,141,653
TUBE FRAME FOR AXMINSTER LOOMS
Elbridge R. Holmes, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application February 12, 1938, Serial No. 190,256
2 Claims. (Cl. 139—10)

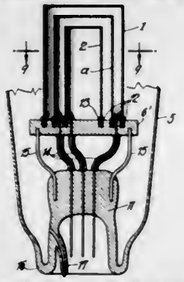
1. In a tube frame for an Axminster loom having a transporting chain, a hollow carrier bar, a

hook member having parallel spaced arms slidable along interior surfaces of the bar, resilient means between the bar and the hook member tending to move the latter outwardly, the upper arm projecting beyond the end of the bar and having a chain engaging hook thereon, the lower arm projecting beyond the bar in position to be



engaged for inward pressing, a tongue rigid with the bar to engage the chain, and a clutch having a floor and a projection spaced from and above said floor, said clutch movable to place the floor below and the projection above the lower arm of said hook member and move the latter against the action of the resilient means to disconnect the hook from the chain.

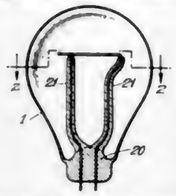
2,141,654
VOLTAGE REGULATOR DEVICE
Hermann Kott, East Orange, N. J., assignor, by mesne assignments, to Ion Corporation, Short Hills, N. J., a corporation of New Jersey
Application April 12, 1935, Serial No. 15,952
4 Claims. (Cl. 250—27.5)



1. A gaseous conduction discharge device comprising a hermetically sealed envelope, an electrically conductive gas within said envelope, electrodes of the cold electrode type enclosed within said envelope, each said electrode being substantially identical in size, shape and configuration, means to sustain said electrodes within said envelope with substantially equal surface areas thereof in opposite spaced relation, lead wires extending through the envelope and connected to each said electrode, and dielectric insulating material enclosing the length of said lead wires within the said envelope and part of said electrodes to restrict any gaseous conduction discharge between said electrodes to the said opposite surfaces of substantially equal surface areas.

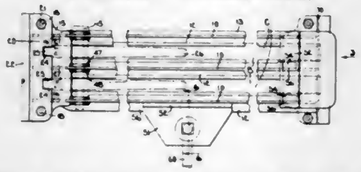
2,141,655
RADIATION SENSITIVE DEVICE
Hermann Kott, New York, N. Y., assignor, by mesne assignments, to Ion Corporation, Short Hills, N. J., a corporation of New Jersey
Application December 16, 1933, Serial No. 702,827
4 Claims. (Cl. 250—171)

1. The gaseous conduction discharge device including a pair of spaced electrodes of the cold electrode type, a radiation permeable envelop enclosing said electrodes and a filling of an ionizable gas within said envelop, said spaced electrodes each being comprised of substantially pure iron,



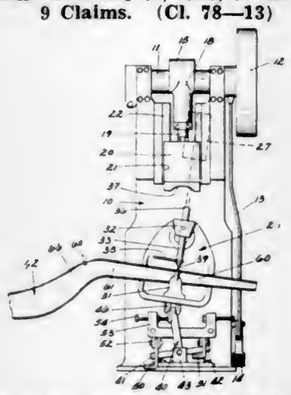
the surface areas of said electrodes being substantially equal and the spacing therebetween being substantially 3 millimeters, and said gas consisting substantially of neon at a pressure of about 1.1 millimeters of mercury.

2,141,656
MULTICELL SHUTTLE BOX FOR LOOMS
Carl J. Lindegren and Jacob B. Olch, Worcester, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application January 31, 1938, Serial No. 187,827
4 Claims. (Cl. 139—184)



3. In a sheet metal multi-cell shuttle box for looms, a plurality of sheet metal horizontally extending vertically spaced plates, means to hold said plates in spaced relation vertically, a binder pivot pin extending vertically through the plates, each plate having a binder pin receiving bearing including a vertical tube extending above and below the plate, and sheet metal elements, one above and the other below and secured to each plate and extending around and secured to the corresponding binder pin bearing tube.

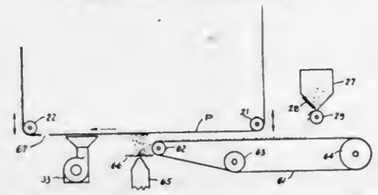
2,141,657
PRESS
William Meier, Cleveland, Ohio, assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Application November 21, 1936, Serial No. 112,055
9 Claims. (Cl. 78—13)



1. In a power press, an oscillatable die bed,

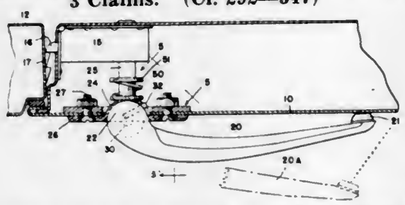
a pair of relatively movable dies carried by said bed for accommodating work therebetween, impact means operable to strike one of said dies to effect relative movement between said dies to operate on said work, and means for tilting said die bed to different angles with respect to said impact means.

2,141,658
METHOD AND APPARATUS FOR MAKING GRANULAR COATED WEBS
Romie L. Melton, Raymond C. Benner, and Henry P. Kirchner, Niagara Falls, N. Y., assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application December 14, 1932, Serial No. 647,241
Renewed August 17, 1937
6 Claims. (Cl. 91—68)



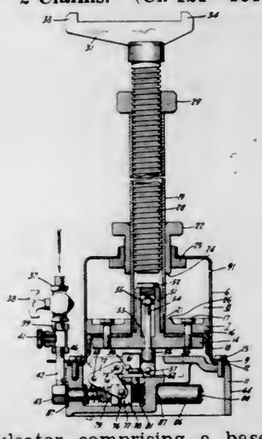
1. The method of manufacturing abrasive coated webs which comprises applying a base coating of liquid adhesive to a moving web, supporting said adhesive coated web with an adhesive coated side downward, projecting abrasive particles upward and onto said adhesive coated web, and setting the base coating of adhesive prior to changing the direction of movement of the abrasive coated web.

2,141,659
EXTENSIBLE HANDLE
Charles H. Nehls, Detroit, Mich.
Application December 11, 1936, Serial No. 115,297
3 Claims. (Cl. 292—347)



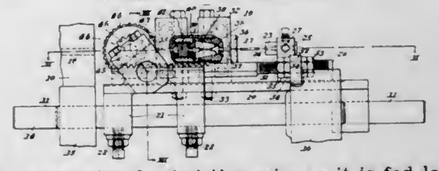
1. Extensible operating means of the character described comprising in combination with a support and a shaft limitedly slidable therein, a socketed handle-supporting portion through which one end of said shaft slidably and rotatably projects, a handle lever pivoted to such projecting end of the shaft on a transverse axis and rotatable with respect to the shaft only about such pivotal axis, said handle lever having at its pivoted end a ball portion limitedly movable universally in such socket portion, spring means arranged within the ball portion and acting upon the handle and the projecting end of the shaft, to urge the handle lever toward the support about such transverse axis, and separate spring means reacting against the shaft to urge it longitudinally in a direction to maintain the ball portion seated in the socket portion, said pivotal connection between the handle lever and the shaft comprising a pin fast in the ball portion of the handle lever and rotatable in the shaft, said first-mentioned spring means comprising a torsion spring wrapped loosely about the pin within the shaft, and also loosely mounted with respect to the shaft, and reacting against said pin and shaft.

2,141,660
VEHICLE PULSATOR
Nicholas Nielsen, Oakland, Calif.
Application April 14, 1936, Serial No. 74,267
2 Claims. (Cl. 121—164)



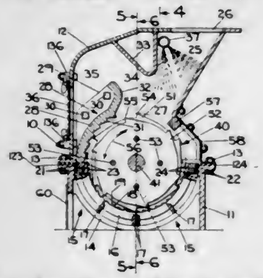
2. A pulsator comprising a base, a cylinder mounted thereon and provided with an apertured cylinder head, a piston reciprocable within said cylinder, a piston rod mounted on said piston and extending through said apertured cylinder head to provide load engaging means movable by said piston to raise a load away from said base, a toggle valve in said base for controlling fluid movement into and out of said cylinder, an operating connection between said piston and said valve, and adjustable means on said cylinder head encompassing said piston rod for arresting movement of said piston and preventing operation of said valve thereby when said load engaging member is adjacent its uppermost position, said valve being freely operable by said piston whenever said load engaging member is adjacent the lowermost position thereof.

2,141,661
WIRE TWISTING APPARATUS
Dan O'Neil, Aliquippa, Pa., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 2, 1937, Serial No. 145,996
7 Claims. (Cl. 153—78)



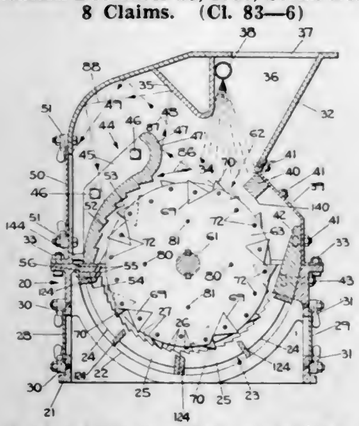
1. Apparatus for twisting wire as it is fed longitudinally in strand form comprising a table mounted for reciprocation along the path of travel of the wire, a wire gripping chuck rotatably mounted on said table, means including relatively fixed means for causing rotation of said chuck as said table reciprocates, and means for adjusting said fixed means whereby to cause said chuck to grip the wire at predetermined points on the circumference thereof.

2,141,662
GRINDER
Stanley F. Ossing and Oscar J. Feight, Columbus, Ohio, assignors to The Jeffrey Manufacturing Company, a corporation of Ohio
Application August 22, 1936, Serial No. 97,436
2 Claims. (Cl. 83—6)



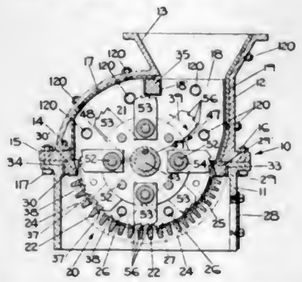
1. In a grinder, the combination with a casing, of a rotor mounted for rotation in said casing, said rotor including a shaft and a plurality of stacked plates carrying teeth at their edges, the teeth of alternate plates describing circles of different diameters when rotated, and laterally spaced toothed grating bars in the bottom of said casing forming a grating through which reduced material can pass and positioned so the teeth of some said plates pass between adjacent bar teeth while the teeth of other plates are aligned with other plate teeth, when said rotor is rotated, said grating bars being constructed and arranged to provide uninterrupted arcuate openings extending over arcs of not less than ten degrees through which reduced sewage screenings pass under the influence of the teeth which travel between adjacent grating bars.

2,141,663
SEWAGE SHREDDER
Stanley F. Ossing, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application December 28, 1936, Serial No. 117,844
8 Claims. (Cl. 83—6)



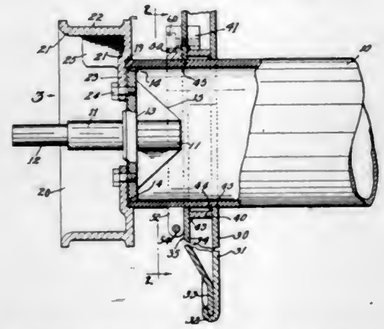
1. A rotor for a shredder comprising a shaft, a plurality of stacked discs keyed to said shaft, at least one of said discs having a wide mouth angular notch formed to receive a tooth in the form of an equilateral triangle while said discs are in stacked relation and contact two sides thereof over an extended area, an equilateral triangularly formed tooth in said notch having a central aperture, and a rod extending through said aperture and through aligned apertures in some of said discs to hold said tooth in place, said tooth being adjustable to present any apex thereof in cutting position.

2,141,664
GRINDER
Stanley F. Ossing, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application December 28, 1936, Serial No. 117,845
1 Claim. (Cl. 83—11)



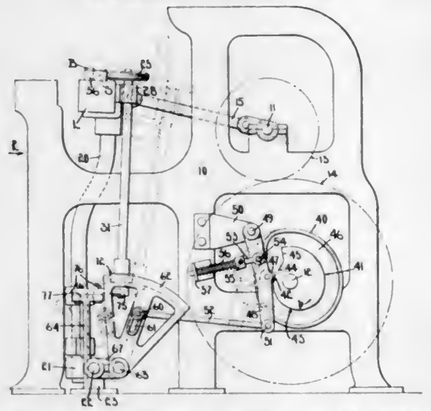
In a grinder, the combination with a split casing formed by complementary top and bottom sections, of a rotor in said casing, a grating forming the bottom of a reducing chamber and comprising axially extending bars which are spaced apart progressively increasing amounts, removable bars carried by said bottom section and resting on opposite ends of said grating to hold it in place, means on said top section having bearing contact with said bars, and means for removably clamping said top and bottom sections together, thereby clamping said bars in grid holding position.

2,141,665
WARP BEAM AND METHOD OF MAKING
Oscar V. Payne, Leicester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application December 24, 1935, Serial No. 56,041
5 Claims. (Cl. 242—124)



1. A warp beam head adjustable longitudinally along a hollow metallic barrel comprising a disk forming part of the warp head, blocks secured to the disk on opposite sides of the barrel axis and having surfaces adjacent the axis located at substantially equal distances from the latter, a reinforcing sleeve secured to the disk and positioned by said blocks, and a second disk for the warp head secured to the sleeve and also secured to the first disk, the internal diameter of the sleeve being greater than the external diameter of the barrel.

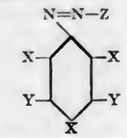
2,141,666
PICKING MOTION FOR LOOMS
Oscar V. Payne, Leicester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application March 10, 1937, Serial No. 130,129
10 Claims. (Cl. 139—142)



1. In a loom having a shuttle to be picked, a lay rocking about a pivot, an endless friction belt movable in the direction of the length of the lay when in contact with the shuttle to pick the latter, a rotary element having driving contact with the belt, a segment gear, a pinion moving with the rotary element and meshing with the segment gear, a pivot support on the lay for the segment normally in substantial horizontal alignment with the pivot of the lay, and means to move the segment to cause the pinion to rotate in a direction to move the belt to pick the shuttle, said means imparting driving force to the segment in a substantially horizontal direction, whereby rocking of the lay imparts no substantial motion to said segment in a horizontal direction by reason of the location of the pivot of the segment.

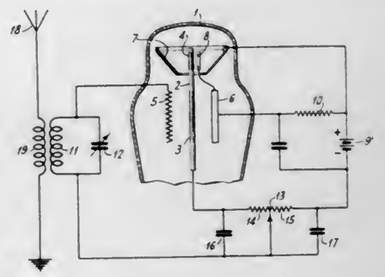
2,141,667
WATER-INSOLUBLE AZO DYESTUFFS
Pierre Petitcolas, Rouen, France, assignor to Compagnie Nationale de Matières Colorantes et Manufactures de Produits Chimiques du Nord Réunies, Etablissements Kuhlmann, Paris, France, a corporation of France
No Drawing. Application May 21, 1937, Serial No. 144,111. In France May 29, 1936
4 Claims. (Cl. 260—193)

1. Water insoluble azodyestuffs of the probable general formula:



wherein two of the X's represent aryloxy radicals, the other X represents a member of a group consisting of hydrogen, halogens, alkyl, alkoxy and aryloxy radicals, the Y's are members of a group consisting of hydrogen, halogens, alkyl and alkoxy radicals and Z represents a coupling component of substantive character.

2,141,668
CARRIER AND MODULATION INDICATOR
John L. Reinartz, Manchester, Conn., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application December 29, 1936, Serial No. 118,048
3 Claims. (Cl. 179—171)

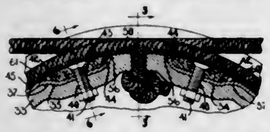


1. A visual modulated carried monitoring device comprising an envelope containing a cathode having two emitting sections, a grid and anode surrounding one of said sections, a plate adjacent the other of said sections coated with material that fluoresces with electron bombardment, and an electron deflecting electrode between said other emitting section of said cathode and the coated plate and electrically connected to the anode, a resonant high frequency circuit connected at one end to said grid, an impedance connecting said anode and plate, a high voltage source of potential connected to said plate, a potentiometer connected between said cathode and the negative end of said source, a connection between an adjustable contact on the potentiometer and the other end of said resonant circuit and a condenser having low impedance for the resonant high frequency current in said resonant circuit connected between the cathode and said other end of the resonant circuit, the capacity of said condenser being sufficiently low to permit the voltage thereacross to vary in response to modulations on the carrier.

2,141,669
PROCESS OF MAKING VISCOSE
George A. Richter and Harold P. Vannah, Berlin, N. H., assignors to Brown Company, Berlin, N. H., a corporation of Maine
No Drawing. Application August 11, 1937, Serial No. 158,532
4 Claims. (Cl. 260—100)

1. In a process of making viscose involving the admixture of cellulose fiber, caustic soda solution, and liquid carbon bisulphide and involving the use of cellulose fiber in the form of predried, aggregated fibers, those steps which comprise disintegrating the predried, aggregated cellulose fibers in sufficient water to yield an aqueous fiber suspension of a fiber content less than 6% until a suspension of essentially only individualized fiber units is produced, thickening the resulting suspension to a fiber content of about 20% to 40%, admixing with the thickened wet fiber water and caustic soda in amounts to form a substantially individualized fiber suspension in caustic soda solution of a causticity and cellulose content each falling within a range of about 6% to 15%, and admixing liquid carbon bisulphide with the resulting fiber suspension in caustic soda solution to form viscose.

2,141,670
ROPE DRUM FOR NEEDLE LOOMS
William W. Robertson, Northboro, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application May 17, 1937, Serial No. 142,967
1 Claim. (Cl. 242—117)

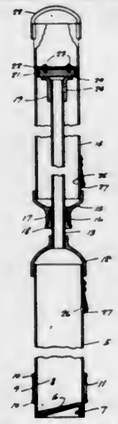


In a rope drum for a loom, a rim forming part of the drum and having spaced recesses therein between which extends a rope attaching zone, a wear resisting sheet metal band having each end thereof terminating in one of the recesses, said band having a smooth uninterrupted rope engaging surface extending from one recess around the rim to the other recess, a clamping block in each recess to secure the corresponding end of the band to the rim, the band extending from each end thereof around the rim in a direction away from the rope attaching zone and the latter having openings therethrough to receive the ends of a rope wound on the drum.

2,141,671
MANUFACTURE OF WROUGHT IRON
Edward B. Story, Library, and Evard P. Best, Edgeworth, Pa., assignors to A. M. Byers Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application May 26, 1937, Serial No. 144,920
4 Claims. (Cl. 75—47)

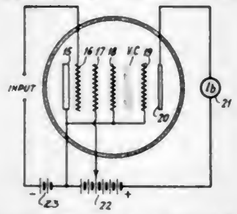
1. The process of controlling the slag content and distribution in the manufacture of wrought iron, which comprises refining iron by blowing in a Bessemer converter, adding aluminum to the blown molten iron in the proportion of about two to six pounds of aluminum to a ton of iron, mixing the iron in comminuted form with a separately formed molten slag to form a spongy mass of iron and slag, and expelling the surplus slag from such mass.

2,141,672
BAILER
Claude C. Taylor, Whittier, Calif.
Application February 16, 1935, Serial No. 6,883
16 Claims. (Cl. 166—19)



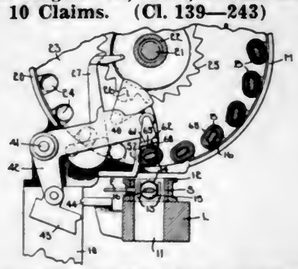
1. In a well bailer, a bucket, an inlet valve located in the lower end thereof, a vacuum pump comprising a cylinder and a piston connected with said bucket adapted for actuation to create suction by the precipitation of the bucket against the matter to be bailed and means to communicate suction from said pump to said bucket.

2,141,673
ELECTRON DISCHARGE DEVICE
Browder J. Thompson, Basking Ridge, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application January 29, 1937, Serial No. 122,913
16 Claims. (Cl. 250—27)



1. An electron discharge device having a cathode, an anode and a grid positively biased with respect to said cathode positioned between said cathode and anode, a negatively biased grid positioned between the positively biased grid and cathode, and a third and fourth grid positioned between the positively biased grid and the anode at a potential not greater than cathode potential, the spacing between the cathode, anode and grids and the voltages applied to the electrodes being such that a virtual cathode is formed between the third and fourth grids.

2,141,674
WEFT REPLENISHING MECHANISM FOR OVAL BOBBINS
Richard Greenleaf Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application August 26, 1936, Serial No. 97,967
10 Claims. (Cl. 139—243)



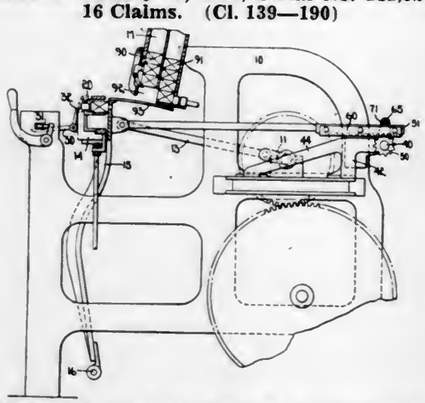
1. In a weft replenishing loom operating with oval bobbins having a mass of weft with a major horizontal transverse dimension greater than the vertical transverse dimension thereof and having a shuttle, a magazine for reserve oval bobbins, a transferrer arm to move a bobbin from the magazine into the shuttle, means in the magazine to hold a reserve bobbin in transfer position in the magazine with the major transverse axis thereof inclined with respect to a horizontal plane, and means on the transferrer arm having a surface also inclined with respect to a horizontal plane to engage the upper part of the weft of a reserve bobbin, the inclination being such that when the bobbin and last named means reach their lowest position the said major axis of the bobbin and the surface of the last named means will be substantially horizontal.

2,141,675
TENSION FOR LOOM SHUTTLES
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application February 15, 1937, Serial No. 125,763
5 Claims. (Cl. 139—214)



5. In a weft shuttle, a weft guide post fixed to the shuttle, a thread loop through which weft passes, and a pivot for the thread loop inclined with respect to the guide post to cause the loop to move toward and away from the post in a direction oblique to the post.

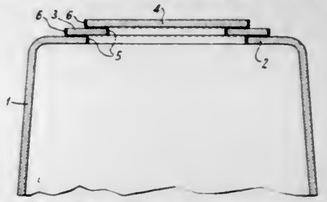
2,141,676
LAY MOTION FOR LOOMS
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application May 10, 1937, Serial No. 141,629
16 Claims. (Cl. 139—190)



15. In a loom, a lay having shuttle boxes on the ends thereof, a crank shaft, an equalizer shaft, driving connectors between the crank shaft and the lay at points located intermediate the ends of the lay to reciprocate the latter in a direction toward and from said shafts, the shuttle boxes tending by their momentum to move through a range greater than that through which the driving connectors move, and equalizing elements connecting the equalizer shaft and the ends of the lay and also intermediate parts of the lay and tending to cause the shuttle boxes to have the same range of motion as that of the driving connectors.

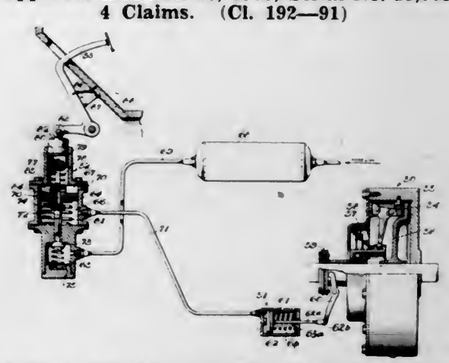
2,141,677
LEAD-IN SEAL
Wilhelm Ziegenbein, Berlin, Germany, assignor to Allegemiene Elektricitats Gesellschaft, Berlin, Germany, a corporation of Germany
Application June 24, 1937, Serial No. 150,022
In Germany February 29, 1936
2 Claims. (Cl. 250—27.5)

1. An electron discharge device comprising a ceramic envelope wall with an opening, a flat apertured ring of ceramic material of greater outside diameter than said opening and overlying the edges of the opening, a disc of ceramic material of greater diameter than the aperture in said ring and overlying the aperture, and metal



soldered gas tight junctions between flat registering surfaces of said wall and said ring and between said ring and said disc, the metal of the junctions extending beyond the junctions to the inside and outside of the envelope to form lead-in conductors.

2,141,678
FLUID PRESSURE CONTROL MECHANISM
William J. Andres, Pittsburgh, Pa., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa., a corporation of Delaware
Application March 25, 1935, Serial No. 13,008
4 Claims. (Cl. 192—91)

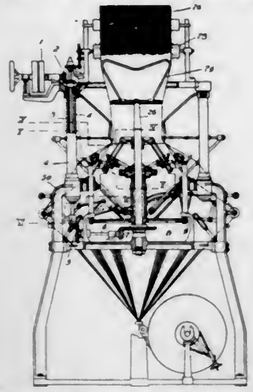


1. In a remote controlling mechanism for a motor vehicle clutch of the type having a movable member resiliently biased to closed position, a motor operatively connected with said member and including resilient means initially preloaded to a predetermined amount, a self-lapping valvular mechanism including a pre-compressed graduating spring for controlling the application of a definite range of fluid pressure differentials to said motor for graduating the clutch-engaging and disengaging movements thereof, and adjustable means for maintaining constant said definite range of fluid pressure differentials for clutch engagement and disengagement regardless of clutch wear.

2,141,679
CIRCULAR LOOM
Juan Balsach, Sabadell, Spain
Application December 4, 1936, Serial No. 114,249
In Spain December 13, 1935
8 Claims. (Cl. 139—13)

1. A circular loom with rotating shuttles actuated by gears, having in combination: a single warp beam arranged in the lower part of the loom from which the warp unwinds, a reed situated along a diameter of the loom and through

which the warp passes on leaving the warp beam, said reed serving for distributing the warp into uniformly spaced bands and guiding reeds and

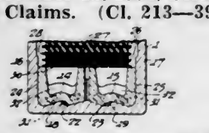


guiding rollers on the periphery of the loom for guiding said warp bands to the shed in such manner that the yarns of each band remain parallel with each other.

2,141,680
CUSHIONING MECHANISM

Donald S. Barrows, Rochester, N. Y., assignor, by mesne assignments, to Gould Coupler Corporation, Rochester, N. Y., a corporation of New York

Application December 12, 1934, Serial No. 757,233
18 Claims. (Cl. 213—39)



1. Cushioning mechanism comprising a housing with a wall having an inner surface extending generally parallel to its longitudinal axis, oppositely disposed friction surfaces inclined longitudinally and transversely of said housing, said friction surfaces sloping toward said parallel wall, wedges formed with correspondingly inclined friction surfaces, engaging said oppositely disposed friction surfaces, and other friction surfaces on said wedges engaging said inner wall surface and resilient means acting on said wedges for urging them into engagement with said inclined friction surfaces and said longitudinal wall surface.

2,141,681
LENS AND DIAPHRAGM ASSEMBLY

Theodore M. Brueck, Rochester, N. Y., assignor to Ilex Optical Company, Rochester, N. Y., a corporation of New York

Application August 21, 1937, Serial No. 160,339
3 Claims. (Cl. 116—124)

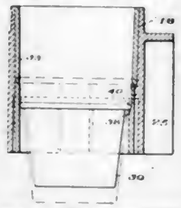


1. In a diaphragm assembly and the like having adjusting means of limited movement including adjusting members, one at least of which is shiftable relative to the other during such limited adjustment, means for indicating relative adjustment of said members comprising a series of index points in spaced apart relation on one of said members, and a corresponding series of stop graduations on the other member in progressively increasing spaced relation through the series with respect to the spacing of the index points, the two series of index points and stop graduations being relatively arranged whereby in the adjusting movement of the adjusting members each stop graduation is limited to registry with but a single corresponding index point nearest thereto.

2,141,682
DISPENSER

Herman Carew, Easton, Pa., assignor to Dixie-Vortex Company, Easton, Pa., a corporation of Delaware

Application July 25, 1936, Serial No. 92,636
4 Claims. (Cl. 312—43)

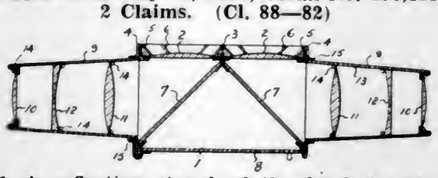


1. In a dispenser, the combination with a casing having interior projections adapted to support a stack of nested articles of a given diameter, of a ring-like member adapted to be inserted into the casing and supported by the projections, said member having interior projections adapted to support a stack of nested articles of less diameter.

2,141,683
REFLECTING TRAFFIC SIGNAL

Carmen Anthony Costanzo, Vancouver, British Columbia, Canada, assignor of ten per cent to Maurice Taylor, Vancouver, British Columbia, Canada

Application July 29, 1937, Serial No. 156,415
2 Claims. (Cl. 88—82)

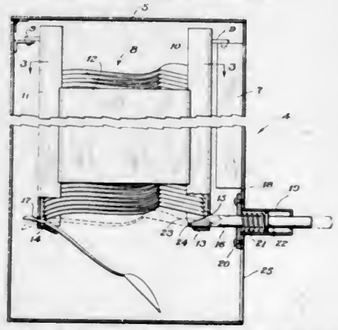


1. A reflecting signal of the kind described, comprising a central mirror chamber, a pair of plano-convex lenses mounted in recesses formed in one side wall of said chamber, a set of outwardly inclined reflecting mirrors located in front of each of said plano-convex lenses and adjacent the margins thereof, a second set of similarly inclined reflecting mirrors located in front of each of said plano-convex lenses, and within the confines of said first mentioned set and spaced therefrom, said first sets of reflecting mirrors being positioned to reflect light upon the second sets of reflecting mirrors respectively and said second sets of reflecting mirrors being positioned to reflect the light through the plano-convex lenses, a pair of mirrors located in said mirror chamber disposed in angular relation to each other with their reflecting surfaces facing the lenses, and located one at either side of a plane normal to and between said lenses, a pair of lens tubes mounted on said mirror chamber with their axes located normal to said plane and positioned to receive light reflected from said mirrors located in said chamber, a plano-convex lens mounted adjacent the end of each of said tubes and a bi-convex lens mounted in each of said tubes intermediate of said outer plano-convex lens and the adjacent mirror that is located in said chamber for collecting the rays reflected by said mirror and directing them to the plano-convex lens, whereby light rays received through the plano-convex lenses mounted in the side wall of said chamber are received by and reflected from the surfaces of the said angularly positioned mirrors in said mirror chamber through the lenses mounted in said lens tubes to be projected through the outer lenses of said tubes.

2,141,684
DISPENSING DEVICE

Joseph A. Diemer, New York, N. Y.

Refile for abandoned application Serial No. 48,558, November 6, 1935. This application April 5, 1938, Serial No. 200,244
3 Claims. (Cl. 312—70)



1. A device of the character described comprising a cabinet, a magazine removably supported in said cabinet and adapted to retain a series of articles vertically stacked therein, spaced means adjacent the bottom of said magazine for supporting the articles at their ends, a resiliently mounted plunger carried on said casing and disposed adjacent the bottom of said magazine so as to push the bottom article from one of the supporting means, said magazine comprising spaced vertical guide channels including end walls terminating above the supporting means to present apertures, through one of which an end of said article extends when the article is pushed off one of the supporting means, said plunger operating in said other aperture.

2,141,685
HINGE

John O. Drennan, Detroit, Mich.

Application November 20, 1937, Serial No. 175,552
3 Claims. (Cl. 16—146)

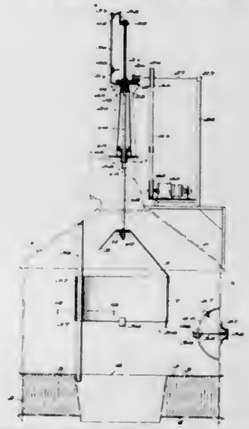


1. A hinge comprising a stationary hinge plate and a turnable hinge plate, the plates being provided with companion hinge portions at the inner edges, a hinge pintle extending through the hinge portions, a lug extending upwardly from the turnable hinge plate, a link pivotally mounted on the lug, a lug extending upwardly from the stationary hinge plate to a greater extent than the lug on the turnable hinge plate, a pin in the upper end of the said lug provided with a head spaced from the lug, the lower edge of the link being curved and riding on the pin between the head and the stationary lug, a hook end on the link arranged to engage beneath the pin as the turnable hinge plate is turned outwardly, the arrangement being such that as the hook end engages beneath the pin the curved edge of the link engages the companion hinge portions of the plate and the lower edge of the link being curved so that as the turnable plate is turned inwardly the link is turned on its pivot to a position intermediate the hinge plates.

2,141,686
VACUUM PAN

George Duncan, Olaa, Territory of Hawaii

Application March 8, 1938, Serial No. 194,711
3 Claims. (Cl. 159—28)



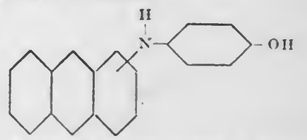
1. In combination with a vacuum pan of the calandria type having a plurality of vertical tubes and a centerwell, tubular means within the vacuum pan normally spaced above the centerwell, said means being movable downwardly into association with the centerwell for increasing the effective height thereof, and means for actuating the tubular means.

2,141,687
HYDROXYPHENYLAMINO-ANTHRACENE AND PROCESS OF MAKING SAME

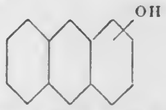
Ernst Dür, Basel, Switzerland, assignor to the firm Society of Chemical Industrie in Basle, Basel, Switzerland

No Drawing. Application January 5, 1938, Serial No. 183,537. In Switzerland August 23, 1933
3 Claims. (Cl. 260—571)

2. A process for the manufacture of products of the general formula

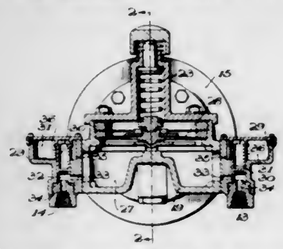


comprising boiling under reflux a product of the general formula



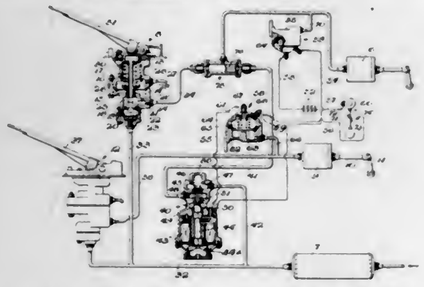
together with an alkali metal bisulfite and 4-amino-1-hydroxybenezene until the desired product is formed.

2,141,688
BRAKE MECHANISM
Wilfred A. Eaton, Pittsburgh, Pa., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa., a corporation of Delaware
Application August 30, 1935, Serial No. 38,606
12 Claims. (Cl. 303—84)



1. In a fluid pressure braking system having a brake actuator, valvular means for controlling the application and exhaust of an expansible fluid pressure medium to and from said actuator, a conduit connecting said means and actuator, and a single unitary normally unbalanced valve associated with said conduit, resiliently maintained in open position during normal operation of said system and automatically closing said conduit upon a sudden reduction in pressure in the latter due to a break therein.

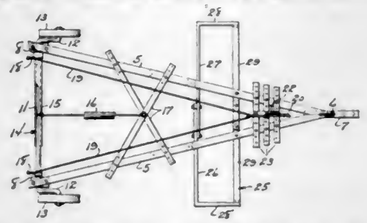
2,141,689
VEHICLE CONTROL MECHANISM
Wilfred A. Eaton, Pittsburgh, Pa., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa., a corporation of Delaware
Application May 27, 1937, Serial No. 145,138
18 Claims. (Cl. 192—13)



1. In a motor vehicle provided with a fluid pressure braking system and a clutch device, a source of fluid pressure, a brake chamber, a fluid pressure-operated clutch motor, means including a brake valve for connecting said source and chamber to apply the brake in service, means including a separate valve for connecting said source and motor to operate said clutch device, and means including an electrically-operable device for connecting the brake chamber with said source independently of the brake valve.

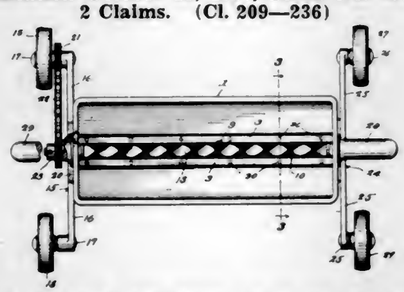
2,141,690
LAND LEVELER
James A. Glenn, Lander, Wyo.
Application March 29, 1938, Serial No. 198,745
4 Claims. (Cl. 37—169)

1. In a land leveler, a frame having side members hinged together at one end for adjustment relative to each other, an axle having adjustable sections secured to the opposite ends of said members and movable therewith, each of said sections having ends offset to form crank shafts, wheels mounted on said crank shafts for supporting said frame in adjusted position above the



ground, a blade mounted subjacently on said frame between the hinged ends and said wheels and adjustable with the frame, and manually operable means on said frame for rotating said axle whereby to raise and lower said wheels relative to said frame to effect adjustment of said blade relative to the ground.

2,141,691
DISPENSING DEVICE
Virgil C. Kirby, Hutchinson, Kans., assignor of one-half to Dayul W. Donaldson, Hutchinson, Kans.
Application October 18, 1937, Serial No. 169,751
2 Claims. (Cl. 209—236)

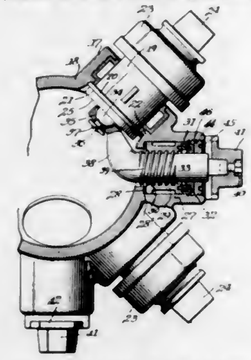


1. A baker's appliance including a hopper having an outlet in the bottom thereof, a pair of supporting wheels connected to one end of the hopper and held against swinging movement relative thereto, a pair of supporting wheels pivotally connected to the other end of the hopper, oppositely extending handles on the ends of the hopper for receiving downward thrust from an operator along lines extending between the wheels of each pair, said wheels constituting means for maintaining four points of contact between the wheels of the appliance and a supporting surface thereunder, an agitating device mounted for rotation in the hopper, and means for transmitting motion from one of said wheels to the agitating device.

2,141,692
HYDRANT
Herbert M. Lofton and Earl E. Cline, Chattanooga, Tenn., assignors to Columbian Iron Works, Chattanooga, Tenn., a corporation of Tennessee
Application April 8, 1935, Serial No. 15,322
4 Claims. (Cl. 137—13)

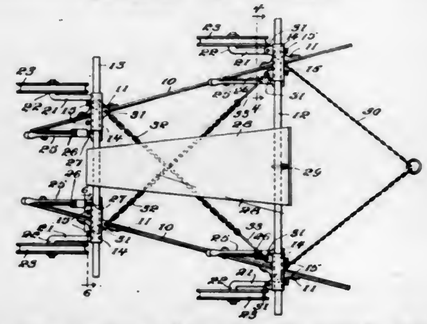
1. A hydrant comprising a nozzle including a valve seat, a valve for said seat, a stem for operating said valve mounted for turning movement on the hydrant to seat and unseat said valve, said stem mounting including a threaded sleeve,

said stem having threads engaging the threads of the sleeve, and means for regulating the seat-



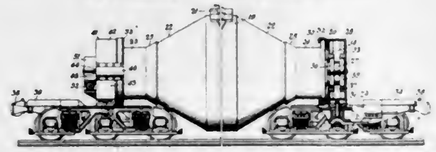
ing pressure of said valve on said seat by moving said sleeve with respect to said stem.

2,141,693
TERRACING AND DITCHING MACHINE
Hoyt M. Murphy, San Angelo, Tex.
Application November 19, 1937, Serial No. 175,511
3 Claims. (Cl. 37—154)



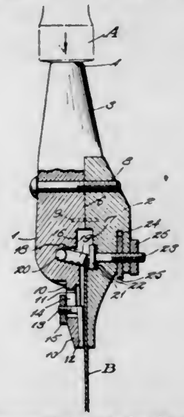
1. In a machine of the kind described, spaced fore and aft bars, blocks adjustably connected to the bars, crank axles swingingly mounted in the blocks, spring-latched throw levers fixed to the said axles for the turning thereof, traction wheels on the said axles, swinging gathering blades supported from the blocks, and crossed tie chains connected with the blocks fore and aft on the said bars.

2,141,694
CONVEYING APPARATUS FOR HOT MATERIALS
Johan H. Olson, Larchmont, N. Y., assignor to M. H. Treadwell Company, New York, N. Y., a corporation of New York
Application May 24, 1937, Serial No. 144,506
10 Claims. (Cl. 105—271)



1. A dump car for conveying hot metal and the like comprising a pair of separated trucks, each having a pivot means; a hollow car body tiltably supported on said trucks; a single housing pivotally connected to each truck in substantially vertical alignment with said pivot means; and having a pair of spaced annular flanges; a trunnion at each end of said body; anti-friction bearings in said housings for supporting said trunnions; and a single annular bearing ring carried by each of said trunnions inwardly of said bearings and embraced by said pair of flanges to absorb the horizontal forces incident to supporting said body and transporting the same.

2,141,695
SAW SET
Edgar Platter, Pine Ridge, Oreg.
Application October 20, 1937, Serial No. 170,086
3 Claims. (Cl. 76—72)



1. A saw set comprising a body having spaced inner faces to receive a saw blade between the same and a saw tooth receiving chamber at the inner ends of the faces, a tooth engaging jaw mounted for swinging movement in the chamber, an anvil cooperating with the jaw, means for adjusting the anvil with respect to the jaw, a blow receiving head on the body, a wedge block mounted in one of the faces for frictionally clamping the blade between the faces and means for adjusting the wedge block and holding the latter in adjusted positions.

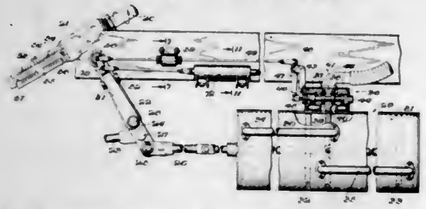
2,141,696
STORM CENTER LOCATOR
Brent Trevelyan Rodd and George Element Judd, Fort Myers, Fla.
Application July 8, 1936, Serial No. 89,678
5 Claims. (Cl. 33—1)



1. A meteorological instrument comprising a

supporting member having points of the compass indications thereon and disposable upon a map in corresponding relation to the North direction on the map with its center at a given observation point, means rotatably mounted on said support for indicating the direction of the wind at a given time, and means rotatably mounted on said support for indicating graphically the proper barometric reading at said given time, said first and second named means constituting the first and second named legs or sides of an angle, said angle being fixed for any particular barometric reading, the projection or protraction of the second named side or leg of the angle intersecting a previously plotted line indicating the known and probable course of a storm so that the point of intersection of said protracted leg or side of the angle with said line will indicate the approximate location of the storm center at the said given time.

2,141,697
STEERING MECHANISM
Robert C. Russell, Cleveland, Ohio, assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa., a corporation of Delaware
Application March 15, 1935, Serial No. 11,325
3 Claims. (Cl. 180—79.2)



1. A power steering mechanism for vehicles comprising a manually-operable steering arm, a steering device, a power-operated member, valve means for controlling the application of power to said member, and means for controlling the operation of said valve means including a valve-controlling lever connected at one end thereof to said valve means and at the other end thereof to said power-operated member and being pivotally connected intermediate its ends with said steering arm, said steering device being connected with said lever intermediate said last two named connections.

2,141,698
PROCESS OF MAKING CHEESE
William D. Saunders, Blacksburg, Va.
No Drawing. Application March 8, 1937, Serial No. 129,766
3 Claims. (Cl. 99—116)

3. In the art of cheese making, the steps of adding about 5% of starter to the milk, to cause a condition of acidity exceeding .22%, coagulating the milk, testing the whey as it begins to separate to determine its acidity, cooking the batch, and adding sufficient water immediately after cutting and during the cooking operation and before drawing any of the whey to maintain the acidity of the whey below .17%, and then finally drawing the whey.

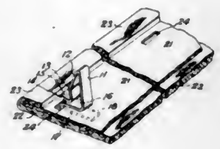
2,141,699
FOOT ARCH SUPPORT
Eugen Stern, Berlin, Germany
Application September 15, 1937, Serial No. 164,053
In Germany September 17, 1936
6 Claims. (Cl. 36—71)

1. A foot arch support comprising in combination with a sole, an outer bag covering the instep of said sole and corresponding in size to the normal foot arch increased by the metatarsal treading surface, a second bag within said outer bag and corresponding in size to the main arch of the foot, both said bags overlapping the inner



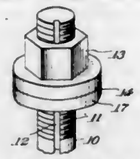
concave edge of said instep, a loose filling in said bags of incoherent non-hygroscopic particles which are displaceable under pressure of the foot on the bags, and a heel pad on said sole, said heel pad including a filling of the same material as that of said bags.

2,141,700
TRIM PANEL ASSEMBLY
George A. Tinnerman, Rocky River, Ohio, assignor to Albert H. Tinnerman, Cleveland, Ohio
Application June 11, 1937, Serial No. 147,746
3 Claims. (Cl. 45—138)



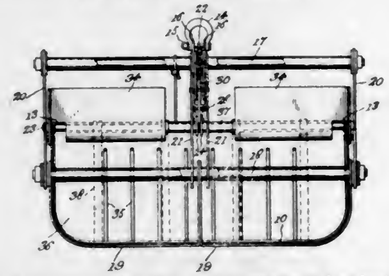
1. A trim panel assembly comprising in combination, a supporting structure having a flange and presenting an area to be covered by a trim panel, a trim panel of relatively stiff material to be mounted on said supporting structure to cover said area and having a slot provided on its underface extending substantially parallel to the adjacent peripheral edge thereof, and fastening means carried by said panel adapted for resiliently contacting the edge of said flange to rigidly secure the trim panel in mounted position on the supporting structure, said fastening means comprising a yieldable member providing a shoulder capable of snap fastening engagement with the edge of said flange and an attaching member assembled in said slot provided on the panel in a direction opposed to the adjacent peripheral edge thereof, whereby said snap fastening engagement of the yieldable member with said flange edge permits the panel to be readily mounted or dismounted from said supporting structure and acts to urge said attaching member of the fastening means to positive engagement in its connection in the said slot provided on the trim panel.

2,141,701
NUT LOCK
Julius V. Uherkovich, Gary, Ind.
Application April 1, 1937, Serial No. 134,435
1 Claim. (Cl. 151—13)



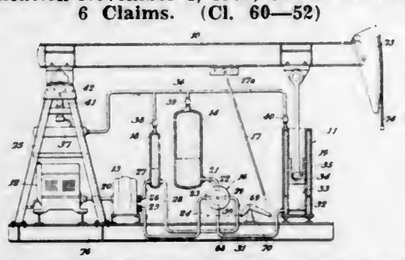
A nut lock for a bolt having a longitudinal groove therein and a nut adjustable on said bolt, comprising a member loosely fitting said bolt and having a shearing projection engageable in said groove and accessible through said groove in an axial direction of the bolt, and ratchet means on said member and operating upon said nut, the said shearing projection having a weakened point, the said ratchet means being concealed between said member and the nut.

2,141,702
DUMPING BUCKET
Richard Walsh, Mobile, Ala.
Application February 25, 1938, Serial No. 192,651
6 Claims. (Cl. 294—73)



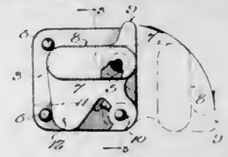
1. A dumping bucket, comprising a bucket body, independent reinforcing straps disposed against the sides and bottom of the bucket body with the inner ends of the straps extending upwardly through the bottom of the bucket body, and a bail having a plurality of transversely spaced apart arms pivotally secured to the ends of the straps for independently suspending the portions of the bucket body lying within the respective strap from the bail.

2,141,703
HYDRAULIC-PNEUMATIC PUMPING SYSTEM
George S. Bays, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application November 4, 1937, Serial No. 172,781
6 Claims. (Cl. 60—52)



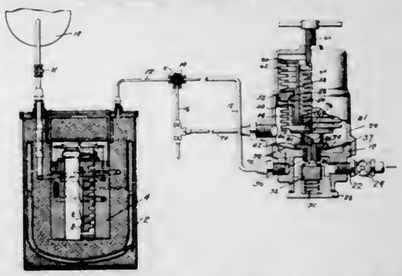
1. In combination in an hydraulic-pneumatic well pumping system, a prime mover, a liquid pump driven by said prime mover, a reciprocating piston type motor arranged to be driven by the liquid from said pump, an energy-storing chamber provided with a supply of said driving liquid and a gas space under pressure thereabove, means including a valve operable in response to the movement of the motor piston to retracted position effective to connect the input of said pump with said energy-storing chamber and the output of said pump with said motor to effect the operation of said piston, said means being further operable in response to the movement of said piston to its extended position to change said connections to connect the input of said pump with said motor and the output of said pump with said energy-storing chamber, and a shock absorber interposed between said motor and said valve, said shock absorber comprising a chamber having a liquid level therein above which there is provided an air space under pressure, said air space being effective to absorb the sudden inertia forces impressed upon said piston.

2,141,704
DISPENSING CONTAINER
Edward T. Bessler, Milwaukee, Wis.
Application March 24, 1937, Serial No. 132,792
2 Claims. (Cl. 221—98)



1. A powder container comprising a tubular body provided with an imperforate top and a flat bottom having a discharge opening adjacent the side wall, and a horizontally elongated cup pivotally connected to said bottom adjacent its side wall for horizontal projection, and having its leading end in registry with said discharge opening.

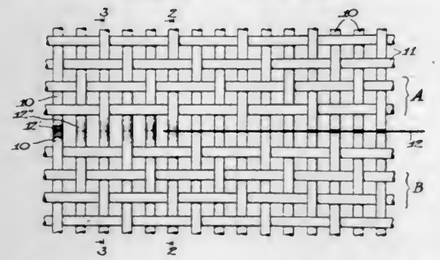
2,141,705
DEMAND FEED SYSTEM
Kurt Beyrodt, Hartford, Conn., assignor to Electric Steam Sterilizing Company, Inc., New York, N. Y., a corporation of Delaware
Application April 27, 1937, Serial No. 139,165
5 Claims. (Cl. 50—23)



1. A pressure regulating device for use in an instantaneous vapor generator system comprising a housing having a liquid inlet and a liquid outlet, a chamber adjacent said inlet, a chamber adjacent said outlet, a port between said chambers, a diaphragm, a valve carried by said diaphragm for opening said port, a pair of intercommunicating cooperating sylphon bellows in engagement with said diaphragm and acting upon said diaphragm against liquid pressure

built up in the last mentioned chamber for controlling the admission of liquid supplied to the generator through said outlet in accordance with the demand for vapor upon the generator.

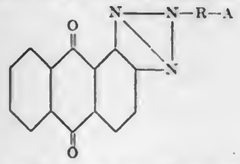
2,141,706
WIRE FABRIC JOINT AND METHOD OF PRODUCING SAME
William E. Buchanan, Appleton, Wis., assignor to Appleton Wire Works, Inc., Appleton, Wis., a corporation of Wisconsin
Application April 10, 1937, Serial No. 136,091
8 Claims. (Cl. 245—10)



1. A wire fabric comprising fabric parts each having warp and weft wires and each having warp ends extending a substantially uniform distance beyond the end weft wire, the warp ends of the fabric parts being arranged in opposed pairs, and small deposits of fusible metal joining the respective opposed pairs of warp ends and having a melting point lower than that of the warp wires, the deposits of fusible metal on laterally adjacent warp end pairs being spaced from each other, and the joint between each pair of warp ends having approximately the same cross-sectional area as that of the warp wires in the body of the fabric.

2,141,707
VAT DYESTUFFS OF THE TRIAZOLOANTHRAQUINONE SERIES
Friedrich Ebel, Mannheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application November 19, 1936, Serial No. 111,612. In Germany November 27, 1935
19 Claims. (Cl. 260—303)

1. Vat dyestuffs of the triazoloanthraquinone series corresponding to the general formula



wherein R stands for a cyclic radical having up to two isocyclic non-hydrogenated rings and A for a radical of a compound capable of being reduced to a leuco compound combined with R by a single bridge selected from the class consisting of —CO—, —NH—, —CO.NH—, —NH.CO—, —CH_2— and —NH.CO.NH—.

2,141,708
METHOD OF LAYING WOOD FLOORING
Armin Elmendorf, Winnetka, Ill.
No Drawing. Application February 25, 1937, Serial No. 127,761
4 Claims. (Cl. 20—6)

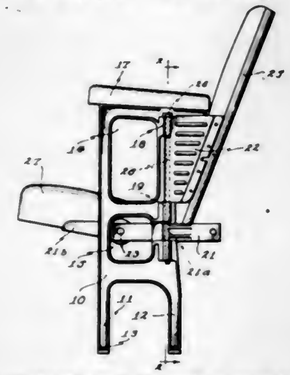
3. The method of securing a panel and a foundation which consists in preparing a batch of adhesive composed mainly of a colloidal dispersion of rubber latex and a quantity of a protective agent equalling from three percent to twenty percent of the weight of the rubber, preparing a solution or a dispersion of substances that will cause vulcanization of the latex at room temperature and render the rubber inert in a few days, making a mixture of the two batches and coating both the foundation and one side of the panel with said mixture, allowing the coatings to dry, laying the panel against the foundation within a day after the making of the mixture, and forcing the panel against the foundation under heavy pressure.

2,141,709
CAP RETAINER
Joseph Farrelly, Pelham, N. Y.
Application December 11, 1935, Serial No. 53,853
1 Claim. (Cl. 221—60)



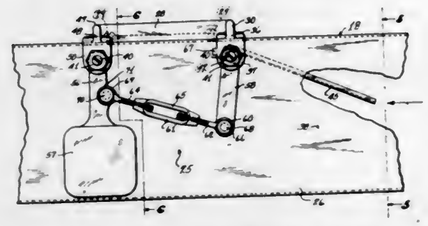
A cap retainer made from a single length of wire and bent to form a pair of C-shaped yokes open on their outer sides and interconnected by two parallel sections of said wire convoluted to form a pair of spring loops between said yokes.

2,141,710
SEAT CONSTRUCTION
Erwin R. Fensin, Chicago, Ill.
Application March 28, 1936, Serial No. 71,358
5 Claims. (Cl. 155—86)



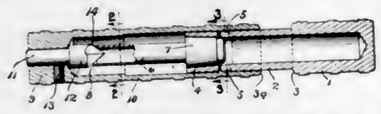
1. In a theatre seat having a pivotal seat and a back rest comprising a pair of spaced apart standards; a plurality of apertured lugs formed on each of said standards in vertical alignment; a pair of hinge brackets each comprising a horizontally pivotal apertured bracket portion having one end thereof removably and pivotally connected to lugs of a respective standard and an arm pivoted for vertical movement on the free end of said bracket portion; a seat mounted on said arms to provide vertical pivoting movement thereof; a pair of back anchoring plates having one edge of each thereof secured to opposite sides of said back rest and having their other forward edges pivotally mounted respectively in certain of the lugs on the respective standards and in vertical alignment with said pivotal connection of the respective bracket portions and a removable pintle in each standard extending through the lugs thereof and through said apertured portion of said hinge bracket and through said connecting plate to pivotally connect each of said hinge brackets and plates to each standard and providing vertical pivotal movement of said seat and attached hinge bracket arms.

2,141,711
AUTOMATIC AIR CONTROL MEANS
Bernard Morse Guthrie, Chicago, Ill., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application November 8, 1935, Serial No. 48,839
18 Claims. (Cl. 137—152)



1. In a stoker assembly, an air supply conduit, an automatic air throttle including a target damper in said conduit, a swingably mounted weight, for yieldably opposing operation of said target damper, an adjustable connection between the damper and the weight adapted for increasing the effect of the weight during air throttling operation of the damper, and a dash pot also connected to the damper and tending to suppress movements thereof in response to changes in movement of air through the conduit.

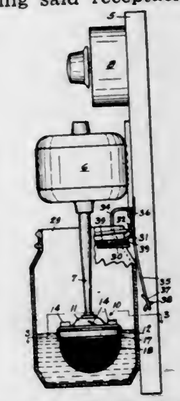
2,141,712
DRILL SHARPENER
Olaf T. Gylleck, Grand Haven, Mich., assignor to The Challenge Machinery Company, Grand Haven, Mich., a corporation of Michigan
Application December 28, 1936, Serial No. 117,897
7 Claims. (Cl. 76—82)



1. In a drill sharpener, an elongated tubular body member closed at one end, a sharpening tool mounted at the closed end thereof and extending into said body member, a drill carrying member having a socket at one end to receive the shank of a tubular drill, said drill carrying member being insertable into the tubular body member to bring the cutting end of the drill into engagement with the sharpening tool, said drill carrying member having an exterior diameter slightly less than the interior diameter of the tubular body to provide a close rotatable bearing engagement of said members.

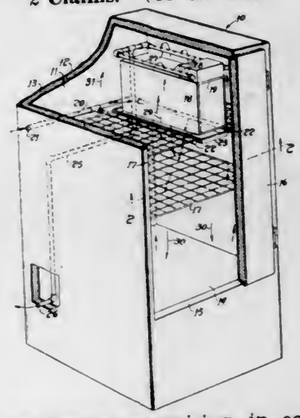
2,141,713
WATCH AND JEWELRY CLEANING MACHINE
Elmore T. Hensler and Herbert W. McKenzie, Seattle, Wash.
Application March 20, 1936, Serial No. 69,780
7 Claims. (Cl. 141—1)

1. In a machine for cleaning watches and jewelry, a motor having a depending substantially vertical shaft rotatable on a relatively fixed axis; a perforated basket on the lower end portion of said motor shaft; a receptacle receiving said basket, said receptacle having a flat side wall; and means supporting said receptacle off center as



respects said basket with the basket in relatively close proximity to said flat side wall.

2,141,714
REFRIGERATOR
Raymond G. Hilger, Chicago, Ill.
Application June 25, 1937, Serial No. 150,298
2 Claims. (Cl. 62—116)

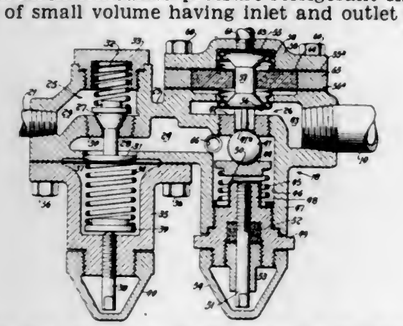


1. A refrigerator comprising, in combination, a heat insulated compartment, a low temperature cooling element disposed in the upper portion of said compartment, a fresh air supply conduit extending from the exterior of said compartment into the interior thereof and closely adjacent the lower portion of said cooling element, said supply conduit having a plurality of small discharge openings in the lower side thereof adjacent said cooling element and all located below at least a major portion of said element, whereby the air in said compartment cooled by said element moves downwardly by gravitational flow past said conduit entraining fresh air discharged from said holes therein, and means for discharging foul air from the interior of said compartment to the exterior thereof.

2,141,715
REFRIGERATION MECHANISM
Raymond G. Hilger, Chicago, Ill.
Application June 25, 1937, Serial No. 150,299
4 Claims. (Cl. 62—115)

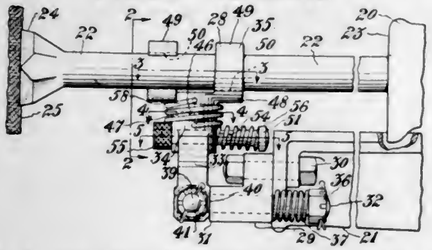
4. In a three-pressure refrigeration system an

expansion valve unit adapted to be interposed between a source of high-pressure liquid vaporizable refrigerant and a low-pressure evaporator comprising a valve casing member cored out to form an intermediate-pressure refrigerant chamber of small volume having inlet and outlet pas-



sages, an expansion valve in said inlet passage, a throttling valve element in said outlet passage, thermostatic means for moving said valve element in response to changes in temperature at a remote point, and means for thermally insulating said thermostatic element from the refrigerant flowing past said valve element.

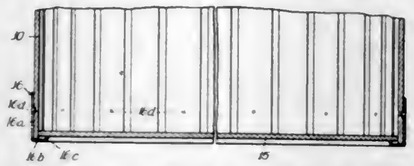
2,141,716
CENTRALIZER FOR DRILL STEELS
Joseph I. Hulshizer, Stewartsville, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application October 2, 1937, Serial No. 166,953
6 Claims. (Cl. 255—45)



3. A centralizer for drill steels, comprising a bearing, a guide member journaled in the bearing, locking means in the bearing to engage the guide member for holding the guide member in guiding position, and a spring connected to the bearing and the guide member constantly acting to shift the guide member from guiding to non-guiding position.

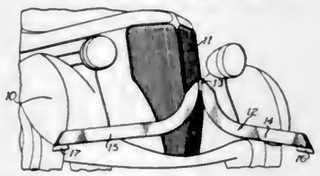
2,141,717
SET-UP CONTAINER
Samuel N. Lebold and Henry K. Powell, Chicago, Ill., assignors to Morris Paper Mills, Chicago, Ill., a corporation of Illinois
Application August 10, 1936, Serial No. 95,062
6 Claims. (Cl. 229—5.7)

1. A knock-down container comprising a tubular body member made of paper board and adapted to be collapsed to flattened knocked-down form and to be set up in approximately cylindrical form, said body member being circumferentially expansible when in its cylindrical form, an end closure disk for closing the end of the tubular body member, and a substantially rigid annular constraining member adapted to be telescoped onto an end portion of the tubular body member, said constraining member having a hoop-like portion adapted to encompass the closure disk and an end portion of the tubular body member and an inwardly extending flange portion adapted to overlap the outer face portion of the closure disk, said constraining member being pre-



formed with inwardly projecting body-engaging elements spaced from one another circumferentially thereof and adapted to engage in peripheral portions of the tubular body member when said end portion is expanded into peripheral engagement with the hoop-like portion.

2,141,718
BUMPER
George Albert Lyon, Allenhurst, N. J.
Application November 5, 1936, Serial No. 109,249
5 Claims. (Cl. 293—55)



1. As an article of manufacture, a vehicle bumper formed of a single strip of material having a central inverted V-shaped portion bent upwardly at an angle and turned back upon itself and two oppositely extending substantially horizontal arms leading away from said central portion.

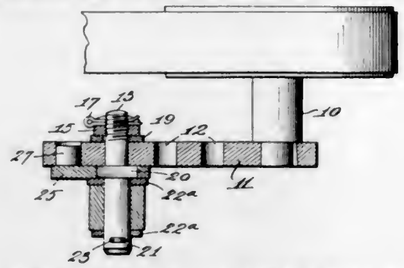
2,141,719
METHOD FOR MAKING BUMPERS
George Albert Lyon, Allenhurst, N. J.
Application November 5, 1936, Serial No. 109,250
11 Claims. (Cl. 29—152)



1. The method of making vehicle bumpers which includes forming a strip of bumper material stock into a substantially U-shaped strip, the plane of the U being substantially parallel to the face of the strip, and then bending each leg of the U-shaped strip to extend in opposite directions.

2,141,720
WRIST PIN LOCK
Harry C. Marsh, Long Beach, Calif., assignor of one-fourth to Elton Richardson, Long Beach, Calif.
Application January 12, 1937, Serial No. 120,191
5 Claims. (Cl. 74—600)

3. In a wrist pin lock, the combination with a wrist pin provided intermediate its ends with a symmetrical non-circular portion, a plate having a symmetrical non-circular opening for the reception of the non-circular portion of said wrist

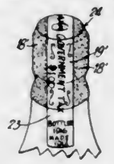


pin, and a stud projecting laterally from one side of said plate adjacent the end thereof.

2,141,721
ARALKYL ETHERS OF HIGH MOLECULAR CARBOHYDRATES
Karl Meinel, Dormagen-I. G. Werk, near Cologne, Germany, assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 26, 1938, Serial No. 198,231. In Germany August 18, 1937
6 Claims. (Cl. 260—1.52)

1. Process of preparation of aralkyl ethers of carbohydrates, including reacting caustic alkali solution with the carbohydrate to form an alkali carbohydrate, and reacting said alkali carbohydrate with an aralkyl halide in the presence of a metallic compound from the group consisting of cobalt compounds and pentavalent arsenic compounds.

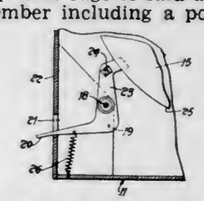
2,141,722
CONTAINER CLOSURE
Willard L. Morgan, Nutley, N. J., assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia
Application October 10, 1934, Serial No. 747,804
5 Claims. (Cl. 41—41)



5. As an article of manufacture, a shrinkable closure for bottles and the like having an indicium-bearing label applied over or adjacent the mouth thereof, said shrinkable closure being formed in one piece from a non-fibrous colloidal material swelling in water, and having a transparent area through which the indicium on said label is legible, and having another area impregnated with an opaque insoluble inorganic compound.

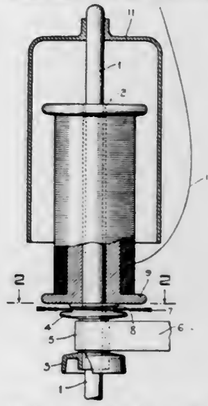
2,141,723
BRAKE
Conrad C. Pieper, St. Louis, Mo.
Application November 1, 1937, Serial No. 172,126
1 Claim. (Cl. 188—74)

In a game apparatus of the type which includes a casing having a top wall and a disc rotatably mounted in the said casing below the said top wall and having indicia thereon representing various scores and plays in a game and in which the disc has a finger grip portion projecting above the top wall thereof for spinning the same: a device for braking the said disc to stop rotation thereof, said braking device including a brake-operating member pivotally mounted in the said casing below the said top wall thereof and having a handle portion projecting exteriorly of the said casing, and a friction element mounted on and carried by the said brake-operating member on the upper surface of the latter and between the ends thereof and frictionally engageable, below the top wall of said casing, with the peripheral edge of said disc, said brake-operating member including a portion normally



projecting below the bottom surface of said disc and said friction element being adapted to be moved into frictional or braking engagement with the said disc by manual operation of the said brake-operating member and its said handle portion, and a spring arranged in the said casing below the top wall thereof and having one end portion anchored in the said casing and having its other end attached to the said handle portion of said brake-operating member and normally urging the latter in a direction to move the said friction element carried thereby out of engagement with the peripheral edge of said disc.

2,141,724
SPINNING AND TWISTING
Percy Raymond Roadley, Drummondville, Quebec, Canada, assignor to Celanese Corporation of America, a corporation of Delaware
Application November 2, 1937, Serial No. 172,325
7 Claims. (Cl. 117—21)

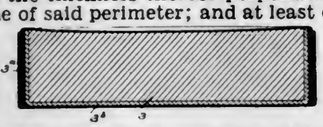


1. In a thread packaging device employing a rotating package the combination of a spindle, a whorl and a throwing-on flyer loosely mounted on the whorl.

2,141,725
PEANUT BUTTER PACKAGE
Joseph L. Rosefield, Alameda, Calif.
Application September 25, 1935, Serial No. 42,086
1 Claim. (Cl. 99—171)

A preservative peanut butter package, comprising a body of peanut butter having solid and fluid

ingredients and a container filled by said body and having between the inner surfaces of its confines and said body, adhesive affinity which resists separation of the body from said surfaces under changes in dimensions of the body; said container having incorporated in at least its lateral confines a frame defining the perimeter of the package and the thickness thereof perpendicularly to the plane of said perimeter; and at least one con-



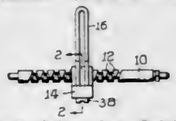
fine of the said container consisting of thin, highly pliant, impervious and inert sheet material supported by said frame with sufficient fullness to enable it to bulge inwardly and outwardly under thermal changes in bulk dimensions of the contained body adhering thereto and thereby preventing the development of spaces for the disengagement of the fluid constituent of the body and the accumulation of air.

2,141,726
FISHING REEL

John V. Schafer, Bronson, Mich., assignor to Bronson Reel Company, Bronson, Mich., a corporation of Michigan

Application May 2, 1935, Serial No. 19,364

10 Claims. (Cl. 242—84.4)



1. A level wind drive for fishing reels, comprising: an actuator made of an elongated element having a working portion bent to fit an actuating element and movable in sliding contact therewith, and end portions extending in parallelism away from the ends of said working portion; a body apertured to receive said end portions; a carriage receiving and rotatably supporting said body, said carriage having a bore about an axis normal to and intersecting the axis of rotation of said body; and an actuating element in the form of a drive shaft lying in said bore and supporting and guiding said carriage, said actuating element having threads formed therein to engage said actuator.

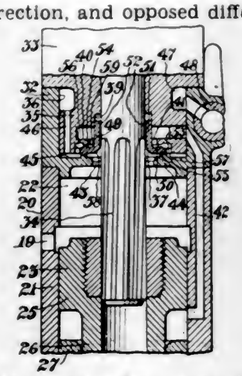
2,141,727
VALVE FOR PNEUMATIC TOOLS

Fred M. Slater, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application July 13, 1936, Serial No. 90,355

2 Claims. (Cl. 121—19)

1. In a pneumatic tool, the combination of a cylinder and a piston therein, a valve chest having a valve chamber and front and rear inlet passages for supplying pressure fluid to the cylinder, a valve in the valve chamber, a flange on the valve slidably engaging the chest controlling the flow of pressure fluid to the inlet passages, said flange having channels in its periphery through which pressure fluid flows to one inlet passage, said channels having their surfaces subjected to the suction of the pressure fluid for throwing the valve in one direction, opposed actuating surfaces on the valve, one of said actuating surfaces being intermittently subjected to compression from the cylinder to assist the force of suction in throwing the valve and another actuating surface being intermittently subjected to compression from the cylinder to throw the valve in an opposite direction, and opposed differential pres-



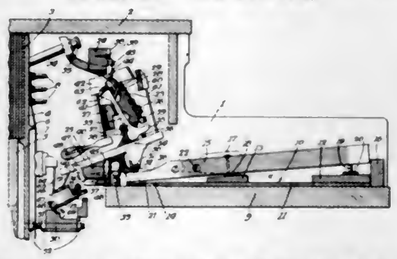
sure surfaces on the valve constantly exposed to pressure fluid to assist in throwing the valve.

2,141,728
UPRIGHT PIANO

Charles Frederick Stein, La Grange, and Arthur C. Swanson, Chicago, Ill.

Application January 31, 1938, Serial No. 187,868

11 Claims. (Cl. 84—240)



1. An upright piano having a series of strings arranged to extend in a substantially vertical plane; a series of tuning pins to each of which the upper end of one of said strings is attached; a key-board horizontally arranged forward of said strings comprising a series of manually operable keys; and a piano action comprising a series of hammers pivotally supported to swing pendently toward and from said strings above the level of said key-board, and hammer-operating action-elements extending over the rearward end-parts of said keys and operably associated therewith to transmit the movement of each of said keys upwardly to its respective hammer.

2,141,729
POLISHING COMPOSITION

Theodore R. Thompson, Flint, Mich., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 8, 1937, Serial No. 141,569

4 Claims. (Cl. 134—24)

4. A polishing composition having approximately the following percentage composition by weight:

Gum tragacanth	.20
Water	63.15
Alkali metal salt of a sulfated alcohol having more than 8 carbon atoms	.50
Glycerine	5.65
Diatomaceous earth	12.25
Neutral oil	17.00
Amyl acetate	.25
Formaldehyde	1.00
	100.00

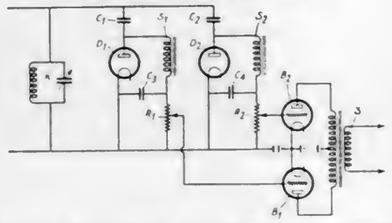
2,141,730
RADIO RECEIVING SYSTEM

Carel Jan van Loon, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands, a corporation of the Netherlands

Application September 26, 1936, Serial No. 102,685

In Germany October 26, 1935

2 Claims. (Cl. 250—20)



1. A radio receiving circuit for the reception of signal-modulated oscillations, comprising a tunable circuit, a pair of detectors having different modulation suppression factors connected across said tunable circuit in parallel relation, both said detectors being arranged to simultaneously demodulate the received signal voltage developed exclusively in said tunable circuit, a pair of low frequency amplifiers, a connection from each of the detector output circuits to its respective low frequency amplifier, the output circuits of said amplifiers being connected in opposition.

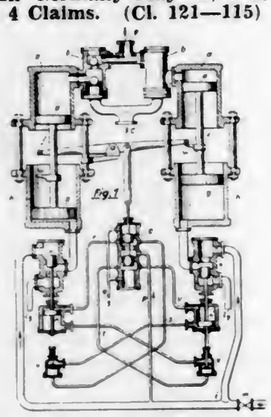
2,141,731
DOUBLE CYLINDER WATER PRESSURE ENGINE AND PISTON PUMP ACTUATED THEREBY

Ulrich Wolfrom and Franz Koehler, Leuna, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

Application May 8, 1936, Serial No. 78,570

In Germany May 11, 1935

4 Claims. (Cl. 121—115)



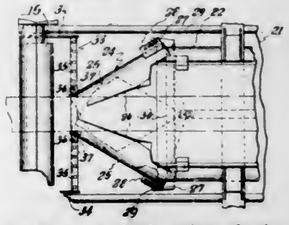
1. Apparatus comprising a double cylinder piston pump, a double cylinder water engine connected to said pump for activating said pump, a main control slide associated with each cylinder of said engine for controlling the flow of the operating fluid thereto, a piston for operating each slide, a cylinder for each piston, an auxiliary control for regulating the flow of operating fluid to the cylinders of said main control slides, a casing for said auxiliary slide, connections including the casing of said auxiliary slide for placing the top of one cylinder of a main control slide in communication with the bottom of the other and the top of the latter with the bottom of the former, a stop valve in each connection controlled by a piston of a main control slide and operable at the end of the outstroke thereof to effect movement of the piston of the other main control slide, and means for causing operation of said auxiliary control slide by the pistons of said engine.

2,141,732
PICKLING AND CLEANING DEVICE FOR STRIP METAL

Frank J. Wood, Riverside, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application September 22, 1937, Serial No. 165,016

13 Claims. (Cl. 266—3)



1. In a pickling and cleaning device for strip metal, a pickling trough through which the metal which is being cleaned and pickled is adapted to pass, and means at the discharge end of said trough for maintaining the metal in aligned central relationship with respect to said trough comprising an adjustable guide of a substantially funnel shaped formation adapted to have guiding engagement with the sides of the metal and including a plurality of guide members having pivotal connection with and extending forwardly of the forward end of said trough, the forward ends of which are arranged to telescope with respect to each other towards the center of said trough.

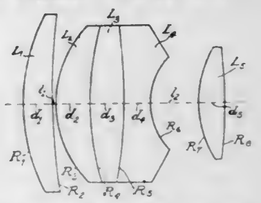
2,141,733
LENS SYSTEM

Ludwig Bertele, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany

Application October 28, 1937, Serial No. 171,459

In Germany July 20, 1937

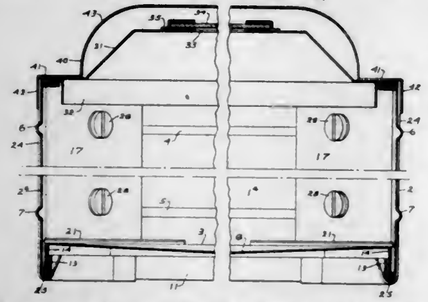
4 Claims. (Cl. 88—57)



1. A lens system of large relative aperture, comprising three lens units separated from each other by air spaces, the front unit being a collective lens, the center unit being made up of a convexo-concave lens, a convex lens and a concave lens all cemented together in the order named and forming a meniscus curved toward said front unit, said convex lens having a lower refractive index than said concave lens which faces the second air space, the concave outer face of said meniscus having a radius of curvature less than 0.5 and greater than 0.28 the focal length of the lens system and being smaller

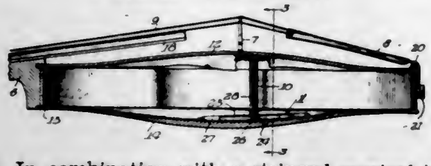
than the convex outer face of the said meniscus, the third lens unit being collective and having a convex face which faces said second air space and having a smaller radius of curvature than the outer face of said third lens unit, the thickness of said center lens unit measured along the optical axis being greater than 0.4 and less than 0.6 the total focal length of the lens system.

2,141,734
CASKET
John Oscar Besch, Milwaukee, Wis., assignor of one-half to Harry J. Watson, Milwaukee, Wis.
Application December 23, 1937, Serial No. 181,266
6 Claims. (Cl. 27—6)



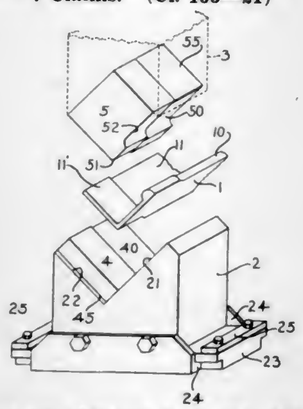
1. In a casket or the like, the combination of two opposed side members and two opposed end members each having a flange extending inward and upward from the lower edge thereof, a bottom member arranged between said side and end members and having marginal flanges extending downward into the flanges on said side and end members, a corner post supported by said bottom member at each corner thereof and restrained from outward movement by the adjacent side and end members, a flange extending outward from the upper end of said corner post, a corner member arranged at each corner of said bottom member, a flange extending inward and upward from the lower edge of each corner member to overlap and engage the flanges on the adjacent side and end members, a flange extending inward from the upper edge of each corner member to overlap and engage the flange on the upper end of the adjacent corner post and thereby enable said corner members to fasten all of the other members together, and means for fastening each corner member to the adjacent corner post.

2,141,735
STRINGED INSTRUMENT
Axel G. Borg, Lake Forest, Ill.
Application May 6, 1937, Serial No. 141,019
5 Claims. (Cl. 84—277)



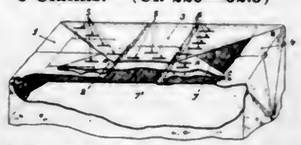
1. In combination with a stringed musical instrument embodying a sound box with laterally spaced front and back walls and provided with an upstanding string supporting bridge on the front wall thereof and a sound post between the two walls, a tone refining device comprising an elongated spring-type piece provided with a substantially flat top face and having the central portion thereof underlying and abutting against the bottom of the sound post and provided on the underside thereof with means forming a rocking connection between it and the back wall of the sound box, and in addition having the end parts thereof extremely thin and springy and provided at the extremities thereof with marginal pocket-forming enlargements therebeneath in fixed relation with said back wall.

2,141,736
OFFSET DIE
William L. Castle and William O. Hedberg, Seattle, Wash., assignors to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Application July 6, 1937, Serial No. 152,174
7 Claims. (Cl. 153—21)



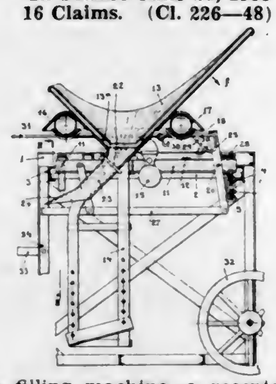
1. Means for offsetting structural shapes comprising, in combination, a die holder and a punch holder, each having a continuous coplanar die or punch seating surface, two die blocks seated upon said die holder's surface in end-to-end relationship, with their adjoining ends formed to the angle and radius of offset desired, a shim disposed between the die holder surface and one block, of the thickness of the offset desired, two punch blocks, each shaped and positioned complementally to one of the die blocks, mounted and seated upon said punch holder's surface, and a shim of the thickness of the offset desired disposed between the punch holder surface and that punch block which is complemental to the unshimmed die block.

2,141,737
VALVE BAG
Alfred Du Bois, Paris, France
Application March 12, 1936, Serial No. 68,399
In France October 11, 1935
5 Claims. (Cl. 229—62.5)



1. A flat bottom valve bag having a four-angled bottom made up of four overlapping panel-like folded end portions of the bag walls three of which are secured together and one situated beneath the other remains free and forms the inner valve lip, the transverse edges of the side panels over said inner valve lip being obliquely directed with respect to the bag walls and thereby leaving uncovered a substantially triangular portion of that lip, a sheet-like member of flexible and somewhat resilient material provided under said side panels and over said inner lip to cover at least partially the said triangular portion, said member being secured partially only to said side panels and not to the inner valve lip to thereby have its outer end part forming over its whole width a free flap covering at least partly the said triangular portion.

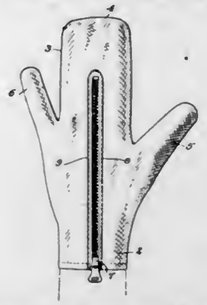
2,141,738
FILLING AND WEIGHING MACHINE
Alfred Du Bois, Paris, France
Application March 12, 1936, Serial No. 68,400
In France June 24, 1935
16 Claims. (Cl. 226—48)



1. In a filling machine, a receptacle-carrier, an inclined channel adapted to receive the material to be packed and arranged to direct same to the receptacle carrier, means fixedly connecting the carrier to the channel thereby forming an aggregate, means tiltably supporting said aggregate, means holding same in a defined position, the center of gravity of the aggregate being on one side of the tilting axis until a receptacle on the receptacle-carrier is almost filled with a predetermined weight of material, and on the opposite side of the tilting axis when the receptacle is filled, an abutment placed in the path of the aggregate so that the empty aggregate will rest freely upon it, a second abutment also provided in the path of aggregate but oppositely disposed in order that the aggregate carrying a filled receptacle will bear upon it and be held thereby in a definite position, a movable stop member also provided in the path of the aggregate to hold the latter in a position intermediate the extreme positions corresponding to said abutments and adapted to be moved out of said path to allow free movement of the aggregate, spring means urging said stop member to its operative position and a control member actuatable at will and connected to said stop member to control the position thereof.

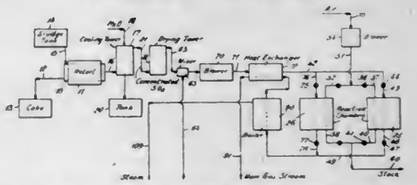
2,141,739
BEAUTY MITTEN
Wanda Burke, New York, N. Y.
Application September 18, 1937, Serial No. 164,469
2 Claims. (Cl. 2—158)

1. A beauty mitten comprising a body merging at one end into a wrist section and at the other end into a substantially rectangular section having a closed end, said section being adapted to receive the first three fingers of the hand, a thumb cot extending diagonally from one side of said body and a little finger cot extending diagonally from the opposite side of said body at a point further from the wrist section than said thumb



cot, said wrist section, body and finger section being open from the wrist end of the mitten to near the closed end of the rectangular finger section, and a disengageable fastener for disengageably securing together the mitten along said opening.

2,141,740
MANUFACTURE OF CARBON BISULPHIDE
Bernard M. Carter, Montclair, N. J., assignor to General Chemical Company, New York, N. Y., a corporation of New York
Application October 20, 1937, Serial No. 169,985
13 Claims. (Cl. 23—206)

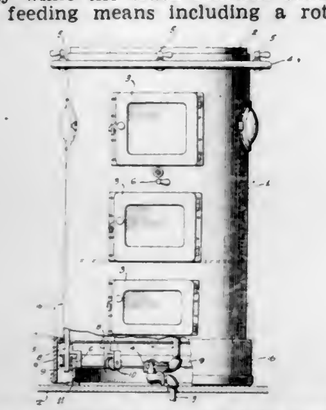


1. The method for making carbon bisulphide which comprises introducing into a reaction zone containing a body of solid carbonaceous material a stream of sulphurous gas comprising materials of the class consisting of sulphur dioxide, sulphur vapor and carbon oxysulphide maintaining said zone at temperatures sufficiently high to effect combination of carbon with sulphur of said gas to form carbon bisulphide, withdrawing from the reaction zone an exit gas mixture containing carbon bisulphide, carbon oxysulphide and inert reaction products, separating the carbon bisulphide and carbon oxysulphide from inert reaction products, recovering carbon bisulphide, introducing said separated carbon oxysulphide and further quantities of said sulphurous gas into said zone to effect formation of further quantities of carbon bisulphide, and recovering further quantities of carbon bisulphide from the reaction zone exit gas mixture.

2,141,741
STOVE
Clement Ehret, White Plains, N. Y.
Original application May 21, 1935, Serial No. 22,511. Divided and this application February 6, 1937, Serial No. 124,369
5 Claims. (Cl. 126—39)

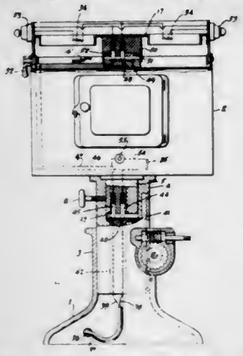
1. A stove comprising an annular stationary track mounted at substantially floor level, a stove body mounted to bodily rotate on said stationary track and having at least one oven, a pot supporting top, sources of heat supply for the oven

and the stove top, all bodily rotatable with the stove body while the track remains stationary, and fuel feeding means including a rotatable



connection to permit of rotation of the stove body without interfering with the continued feed of fuel.

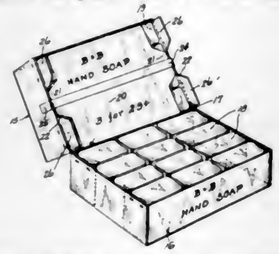
2,141,742
STOVE
Clement Ehret, White Plains, N. Y.
Application April 23, 1938, Serial No. 203,760
8 Claims. (Cl. 219—19)



5. A stove comprising a base, a stove body having an oven and supported on the base for rotation and vertical adjustment with respect thereto, a stove top rotatably supported on the stove body, a heating element supported on and carried by the stove top, an additional oven heating element supported on and carried by the stove body, a heating medium supply conduit extending from the base through the stove body to the heating elements of both the stove body and the stove top and provided with relatively rotatable and vertically extensible connections between the base and the body to permit of rotation and vertical adjustment of the body with respect to the base and with rotatable connections between the body and stove top to permit of relative rotation between the top and the stove body without disturbing the heating medium supply.

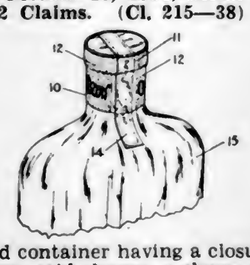
2,141,743
DISPLAY CONTAINER
Albert S. Ethridge, Milwaukee, Wis., assignor to Hummel & Downing Co., Milwaukee, Wis., a corporation of Wisconsin
Application June 4, 1936, Serial No. 83,512
4 Claims. (Cl. 206—44)

1. A display container of fiber or corrugated board or the like comprising upper and lower hinged-together sections, each adapted to contain merchandise, removable stiffening members positioned adjacent the inner surfaces of opposite ends of one of said sections and having portions projecting outwardly therefrom, said flanges being adapted to guide said section into closing



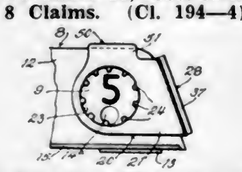
position with respect to the other section, and means connected to said stiffening members below the ends of the projecting portions thereof and extending across the container in a position to contact the top of merchandise in the section to maintain said merchandise in position during opening of the section.

2,141,744
ARTICLE CLOSURE AND METHOD OF APPLYING SAME
David Franklin Evans, Buffalo, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 18, 1934, Serial No. 748,919
2 Claims. (Cl. 215—38)



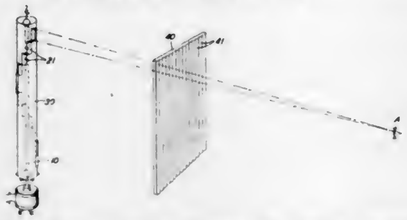
2. A sealed container having a closure, a stamp extending over said closure, a sleeve surrounding said stamp and container, said sleeve composed of non-fibrous cellulosic material and containing as integrant parts thereof transparent and opaque sections on opposite longitudinal sides thereof, said opaque sections having an opaquing agent embodied therein, and said transparent sections overlying said stamp.

2,141,745
ATTACHMENT FOR APERTURES OF CHECK-CONTROLLED APPARATUS
Oscar H. Goetz, Park Ridge, Ill., assignor to Goetz Telephone Slug Service, Inc., Chicago, Ill., a corporation of Illinois
Application November 16, 1936, Serial No. 111,077
8 Claims. (Cl. 194—4)



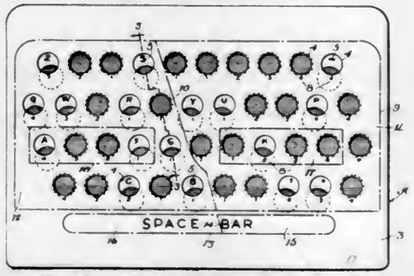
1. The combination with a coin receiving housing comprising front and rear walls, and a side wall formed integrally with said front wall and having a portion thereof providing a flange projecting beyond said rear wall, said front wall having an aperture therein intended to receive coins, of means for converting said coin aperture into a slug receiving aperture comprising a guard member mounted on said housing and provided with a coded aperture registering with said coin aperture, and means receiving portions of said flange and guard and slidable in a plane disposed parallel to the plane of said flange to secure said guard to said flange.

2,141,746
ELECTRO-OPTICAL IMAGE PRODUCING DEVICE
Frank Gray, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 25, 1934, Serial No. 741,369
3 Claims. (Cl. 178—7.3)



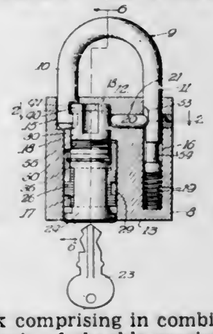
1. An electro-optical image producing scanning device comprising an image screen diffusing light in one plane only, a rotatable cylindrical scanning member having a set of spirally arranged apertures therein and each aperture equipped with a cylindrical lens, a strip source of light positioned concentrically with respect to and within said cylindrical scanning member, means for positioning said screen, scanning member, and source of light in optical alignment and said source of light and said screen in conjugate focal relationship with respect to said cylindrical lenses, and means for rotating said cylindrical scanning member to cause the light directed therefrom through each said cylindrical lens to sweep across said screen.

2,141,747
EDUCATIONAL APPLIANCE
Philip S. Gross, Brooklyn, N. Y.
Application August 8, 1936, Serial No. 94,982
1 Claim. (Cl. 35—5)



An educational appliance including a board having openings in its top corresponding to the standard keyboard of a typewriter, said board back of said openings containing characters corresponding to the characters of the keyboard, and sliding shutters back of said openings adapted when in one position to cover the characters and when in another position to expose the characters, said board having an intermediate plate having elongated slots therein for the accommodation and longitudinal movement of the shutters, the slots to accommodate the shutters for the right hand extending downwardly and to the left and those to accommodate the shutters of the left hand extending downwardly and to the right, whereby as the result of this arrangement the shutters to be operated by the fingers of the right hand are movable in a path downwardly and to the left and the shutters adapted to be moved by the fingers of the left hand are movable downwardly and to the right.

2,141,748
PADLOCK
Henry Hansen, Chicago, Ill., assignor to Chicago Lock Company, Chicago, Ill., a corporation of Illinois
Application October 5, 1936, Serial No. 104,005
3 Claims. (Cl. 70—38)

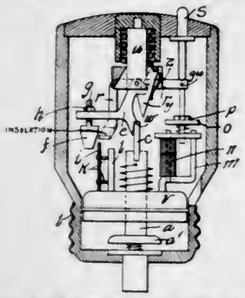


1. A padlock comprising in combination a casing having a pair of shackle receiving bores extending through the top face thereof and also having a third bore extending through its bottom face and intersecting one of the shackle bores and a cross-bore between and communicating with the upper end of the third bore and the other shackle bore, a longitudinally slidable U-shaped shackle having a long leg slidaoly and rotatably mounted in said other shackle bore and a short leg adapted in response to inward shift of the shackle from an unlocked position into a locked position to fit within said one shackle bore, a locking bolt rotatably mounted in the upper end of the third bore and adapted to be shifted from a locked position wherein it is interlocked with the short leg of the shackle into an unlocked position wherein such short leg is released, a locking pin slidably mounted in the cross-bore and shiftable outwards by the bolt into interlocked relation with the long leg of the shackle when the shackle is in its locked position and the bolt is turned into its locked position, and a key-operable tumbler equipped plug mounted rotatably in the lower end of the third bore and connected to rotate the bolt into its unlocked position.

2,141,749
MAXIMUM CURRENT SWITCH
Michael Hauser, Augsburg, Germany
Application October 28, 1935, Serial No. 47,041
In Germany January 28, 1935
5 Claims. (Cl. 200—88)

1. A plug type switch comprising a casing, a first switch contact member, a second and elongated switch contact member normally springurged to circuit-opening position, a manually depressible and spring-opposed member extending through a wall of said casing and in aligned

longitudinal relation to said elongated switch contact member, a first latch pivoted on said depressible member and movable therewith to effect movement of said second switch contact member to circuit closing position, a second latch member arranged to engage said depress-



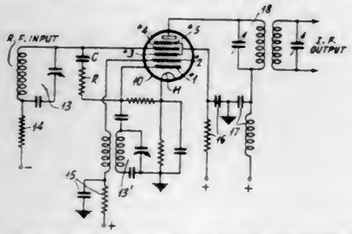
ible member and retain it in depressed position, and current-responsive means in said casing operative to move said first latch to effect release of said second switch member and for release of said second latch through switch-opening movement of said second switch member.

2,141,750

FREQUENCY CONVERTER

Edward W. Herold, Verona, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application June 19, 1937, Serial No. 149,060
7 Claims. (Cl. 250—20)



1. A frequency mixing system comprising a multi-electrode vacuum tube, a signal frequency acting on one of said electrodes and a local oscillator frequency acting on another of said electrodes, said last mentioned electrodes having by reason of their proximity and the potentials impressed thereon undesired interaction, and means for cancelling said interaction of one electrode upon the other, comprising an admittance connected between said electrodes, the admittance consisting of both conductive and susceptive components.

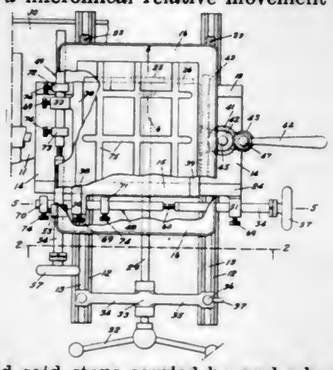
2,141,751

ADJUSTABLE WORK BED

Carl J. Hertlein, Brooklyn, N. Y., assignor of one-half to Franz Fuchs, Brooklyn, N. Y.

Application October 3, 1936, Serial No. 103,839
19 Claims. (Cl. 51—216)

18. In a machine provided with a base, the combination of a pair of relatively movable bed plates carried by the base, adjustable stops for locating on the machine base the permissible limits of such relative movement of the plates and two independent manually actuated control means for effecting the relative movement of the plates within the limits set by said adjustable stops, one of said means including lever mechanism for effecting a gross relative movement of the plates and the other including screw mechanism for effecting a micromical relative movement of the



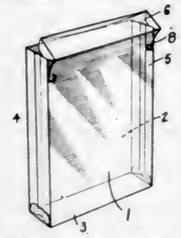
plates and said stops carried by and adapted to be secured at will to the screw mechanism to move therewith.

2,141,752

TRANSPARENT CONTAINER

Fred J. Hoarle, Newark, N. J., assignor to Celluloid Corporation, a corporation of New Jersey

Application February 16, 1935, Serial No. 6,766
4 Claims. (Cl. 229—44)



4. In a container having two side walls and two end walls, a closure member integral with one of said side walls and adapted to flex along a line extending across the width of the said side wall, said side wall having complementary cut-out portions along the lines of juncture of the wall with the end walls, said cut-out portions extending inwardly into the said side wall at points in the vicinity of the line of flexure of the closure member and curving towards said closure member across the line of flexure so as to assist in the flexing of the closure member and to prevent tearing of the container across the line of flexure.

2,141,753

JOINT STUD AND PROCESS OF MAKING SAME

George H. Hufferd and Matthew P. Graham, Detroit, Mich., assignors to Thompson Products Incorporated, Cleveland, Ohio, a corporation of Ohio

Application March 20, 1936, Serial No. 69,856
13 Claims. (Cl. 29—152)



2. A joint stud comprising an elongated metal member having a threaded top portion, a tapered portion therebelow, a cylindrical portion adjacent the tapered portion, an enlarged segmental spherical head below the cylindrical portion and a button below the head of smaller diameter than the head, said head portion being upset to bow out the metal grain bands of the member with respect to the axis of the member.

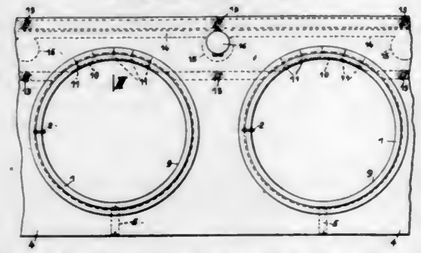
7. The process of making joint studs which comprises die pressing a cylindrical rod to reduce the size of one end thereof and increase the size of the other end, upsetting the enlarged end in a die to produce a head of the desired contour thereon, and die pressing a button on the head during the upsetting operation.

2,141,754

LUBRICATING DEVICE FOR RINGS AND TRAVELERS

Willy Köhler, Berlin, Germany

Application February 26, 1936, Serial No. 65,850
In Germany July 20, 1935
3 Claims. (Cl. 184—7)



3. In a device for lubricating the rings and travelers of ring spinning and twisting frames, a flat channel provided in the ring rail, a wick fitted in the said channel and projecting with its one edge into a slot in the ring converging towards the inner face of the ring, and oilers screwed into the ring rail above perforations provided in the said wick, the said wick being so shaped as to conform substantially to the form of the said ring and being cut to form a plurality of wedge-shaped spaces into which the fibre of the wick may move when it is compressed by the converging faces of the said slot.

2,141,755

SAFETY RAZOR AND BLADE

Yervant H. Kurkjian, Paterson, N. J., assignor to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia

Application January 4, 1935, Serial No. 435
11 Claims. (Cl. 30—70)



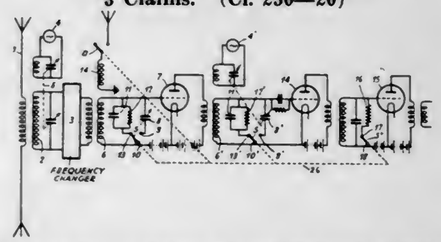
1. In combination with a razor blade holder of the safety razor type embodying a plurality of razor blade clamping sections, a blade adapted to be interposed between the sections, said blade being provided throughout substantially its entire extent with a plurality of closely arranged elongated transversely extending slots terminating at a point closely approximating the cutting edge of the blade, one of the sections of the holder having a plurality of transversely extending elongated ribs adapted to fit through the slots in the blade for anchoring the blade in position and bracing and reinforcing the blade, the other section of the holder having sockets for receiving said ribs, means for clamping the sections together whereby the blade will be held in clamped relation between the sections of the holder and whereby the blade may be freely flexed to conform snugly to the transverse contour of the holder.

2,141,756

MULTIRANGE RECEIVER

Alfred A. Linsell, Sydenham, London, England, assignor to Radio Corporation of America, a corporation of Delaware

Application April 13, 1936, Serial No. 73,989
In Great Britain April 26, 1935
3 Claims. (Cl. 250—20)



1. A receiving system for the selective reception of sound signals transmitted on a carrier within the broadcast band and of television signals transmitted on a carrier within a widely separated frequency band, comprising a vacuum tube amplifier having an input circuit tunable to desired frequencies within the broadcast band and capable of passing a narrow range of modulation frequencies, said input circuit being constituted by an inductance and a variable condenser, and means for converting said tunable input circuit to a fixedly tuned circuit which is resonant to a frequency within said widely separated frequency band for television signals and which is capable of passing a range of modulation frequencies several times wider than the range of modulation frequencies passed by the tunable circuit in the reception of sound signals, said fixedly tuned circuit being constituted by said inductance and a parallel combination of a resistance and a capacity connected in shunt to said inductance, said converting means comprising switch means for selectively connecting in shunt to the inductance the variable condenser or the parallel combination of said resistance and capacity.

2,141,757

MANUFACTURE OF CARBON BISULPHIDE

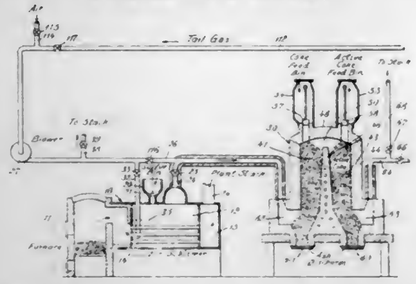
Henry F. Merriam, West Orange, N. J., assignor to General Chemical Company, New York, N. Y., a corporation of New York

Application September 29, 1936, Serial No. 103,126
7 Claims. (Cl. 23—206)

7. The method for making carbon bisulphide which comprises decomposing sludge material, derived from sulphuric acid treatment of petroleum oils, by heating to form solid carbonaceous residue and a hot sulphur dioxide gas mixture containing condensing vapors, cooling the hot gas mixture to condense the bulk of the condensible vapors and forming relatively cool concentrated sulphur dioxide gas, introducing said carbonaceous material into a reaction zone and introducing into said sulphur dioxide gas sulphur and sulphur combustion supporting oxygen, said sulphur being in at least such

amount that when burned the temperature of the resulting gas mixture is raised sufficiently high to effect combination of sulphur and carbon to produce carbon bisulphide, said oxygen being in amount not substantially more than that necessary to convert the sulphur thus burned to sulphur dioxide, burning said sulphur with said oxygen, introducing the resulting gas mixture comprising said sulphur dioxide gas and the sulphur combustion products formed into said reaction zone, effecting combination in said zone of sulphur of said sulphur dioxide and sulphur of said sulphur combustion products with carbon of the carbonaceous material containing not more than about 3% volatile matter to produce carbon bisulphide, and recovering carbon bisulphide.

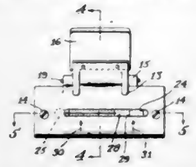
2,141,758
MANUFACTURE OF CARBON BISULPHIDE
Henry F. Merriam, West Orange, N. J., assignor to General Chemical Company, New York, N. Y., a corporation of New York
Application October 20, 1937, Serial No. 169,967
6 Claims. (Cl. 23—206)



1. The method for making carbon bisulphide which comprises introducing sulphur into a vaporizing zone, vaporizing sulphur therein, burning solid carbonaceous material to form an initial bed of hot solid carbonaceous material, regulating and continuing combustion of said material for a time interval sufficient to form a bed of hot solid carbonaceous material of size and temperature such that on passage of a stream of sulphur vapor through the bed such vapor is heated to temperatures sufficiently high that on contacting said sulphur vapor with an active carbonaceous material sufficient heat is present to effect formation of carbon bisulphide, discontinuing such combustion operation, passing through said initial bed a stream comprising said sulphur vapor to further heat the same, contacting the thus heated sulphur vapor stream with a body of active solid carbonaceous material to effect combination of sulphur and carbon to form carbon bisulphide, separating carbon bisulphide from residual inert reaction gases, recovering carbon bisulphide, and passing a current of said residual gases into said vaporizing zone and thence into said initial bed of carbonaceous material to thereby smoothly and rapidly introduce sulphur vapor into contact with said carbonaceous material.

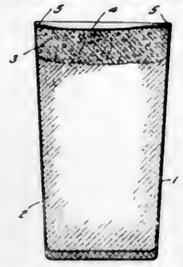
2,141,759
HEATING DEVICE FOR CURLS
Albert S. Moffat, Watertown, Mass., assignor to Harvey C. Wheeler, Boston, Mass.
Application June 10, 1937, Serial No. 147,462
1 Claim. (Cl. 132—36)

A heating device for curls comprising two side members adapted to be heated, each of said members embodying an inner heat conductive plate and an outer heat insulating portion, means movably connecting said side members whereby each is movable away from the other, and temperature indicating means mounted in the outer



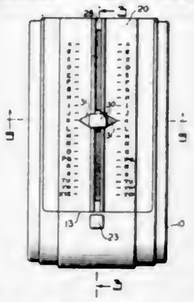
portion of one of said side members having a bulb closely fitting in a recess of the inner conductive plate of said member, said indicating means having a reading portion arranged for convenient and unobstructed inspection in the use of the device.

2,141,760
IMITATION DRINK
William Angell Mould, Loughborough Junction, Camberwell, London, England, assignor to Try-it Novelty Company, Brooklyn, N. Y., a partnership of New York composed of William A. Mould, David Grifka, and William Prince
Application August 1, 1938, Serial No. 222,414
7 Claims. (Cl. 272—8)



1. An imitation glass of beer, consisting of a solid material imitating the liquid and foam of beer.

2,141,761
IMPROVED LIST FINDING DEVICE
Albert E. Pollock, New York, N. Y.
Application April 2, 1938, Serial No. 199,563
15 Claims. (Cl. 40—104)



1. In a device of the kind described, the combination of a base, a cover hingedly connected with the base, a plurality of index sheets swingingly mounted on the cover and normally resting on the base, and means carried by the cover and selectively engageable with a sheet for swinging said selected sheet from the plurality of sheets resting on the base.

2,141,762
VENTILATOR
Leo I. Ravven, Boston, Mass., assignor to Air-O-Matic Ventilator Company, Roxbury, Mass.
Application March 6, 1936, Serial No. 67,518
1 Claim. (Cl. 230—134)



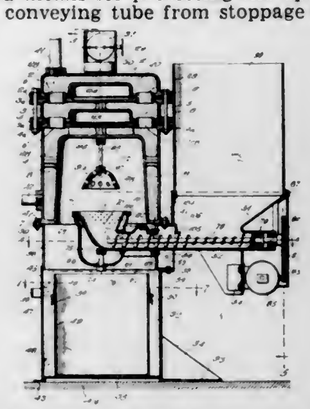
In a ventilating device of the type described, a Celluloid rotor comprising a flat disc having vanes formed of radial sectors inclined at an angle to the plane of the disc and a center hub bearing element formed with one convex face constituting an integral part of said Celluloid disc, a convex member opposite said convex face having clamping fingers at the edges thereof clamping over the vanes at their inner vertices said hub elements forming an enclosed space having a field therein of plastic material and a weight element at one side thereof and shaft means positioned centrally in said hub and held rigidly in place by said plastic means.

2,141,763
PROCESS FOR RECOVERY OF COPPER FROM WASTE LIQUORS OF THE ARTIFICIAL SILK INDUSTRY
Adolf Richter, Dessau-in-Anhalt, Werner Busch, Leverkusen I. G. Werk, and Max Otto Schürmann, Dormagen, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application November 11, 1936, Serial No. 110,314. In Germany November 23, 1935
2 Claims. (Cl. 23—147)

1. The process of recovering copper from waste liquors of the artificial silk industry in the form of copper hydroxide, which comprises mixing the spent cupriferous alkaline precipitating bath and the cupriferous acid washing liquid with each other in such a proportion that the mixture has a pH value between 6 and 8, running the mixture into a filter charged with sand, thus flocculating the copper hydroxide and removing it from the surface of the sand filter.

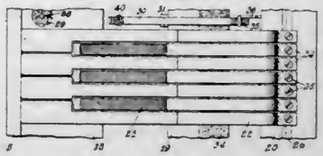
2,141,764
COAL BURNING AUTOMATICALLY FIRED HOT WATER HEATER
William A. Riddell, Frederick, Md., assignor to The General Engineering Company, Frederick, Md., a corporation of Maryland
Application December 12, 1936, Serial No. 115,594
5 Claims. (Cl. 110—45)

1. In combination, a furnace including a combustion chamber, and an underfeed coal stoker having a grate portion disposed within said combustion chamber in limited spaced relation to the walls of said chamber, a coal storage hopper exterior of said furnace, a fuel conveying tube provided with fuel propelling means interconnecting said hopper and said grate, said fuel conveying tube having a wall portion exposed within said combustion chamber with openings therein directly communicating with said combustion chamber whereby gases accumulating in said fuel conveying tube may pass directly into said combustion chamber beneath the level of said grate, and shield means for protecting the openings in said fuel conveying tube from stoppage by ashes



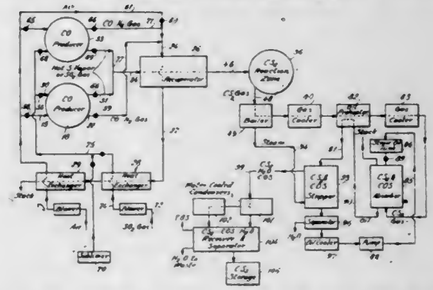
discharged by said grate while permitting escape of gases into said combustion chamber.

2,141,765
PIANO MECHANISM
Joseph Sauerland, West New York, N. J., assignor to Hardman, Peck and Company, New York, N. Y., a corporation of New York
Application January 19, 1937, Serial No. 121,268
5 Claims. (Cl. 84—240)



1. In a piano, in combination, a key consisting of a lever of the second kind pivoted at its rear end, a lever of the first kind mounted beneath the key, a button mounted on the forward arm of said lever so as to abut the under side of the key, means for adjusting the height of the button, an action having its wippen below the said lever, and a pull member connecting the rear arm of said lever with the wippen.

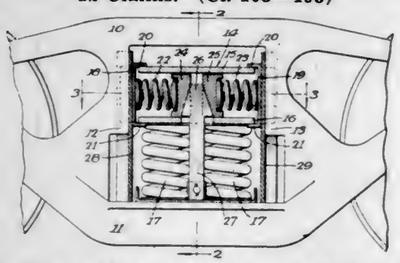
2,141,766
MANUFACTURE OF CARBON BISULPHIDE
Charles Forbes Silsby, White Plains, N. Y., assignor to General Chemical Company, New York, N. Y., a corporation of New York
Application October 20, 1937, Serial No. 169,968
11 Claims. (Cl. 23—206)



1. The method of making carbon bisulphide which comprises introducing into a reaction zone solid inactive carbonaceous material, burning

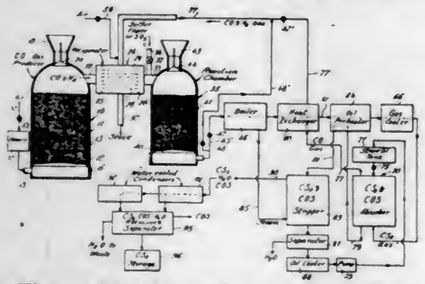
said material to form a hot body of said material, passing sulphur vapor in contact with said hot body to impart to the sulphur vapor heat of the body, introducing into a second reaction zone solid active carbonaceous material, and then passing the preheated sulphur vapor into contact with said solid active carbonaceous material to effect combination of sulphur and carbon to form carbon bisulphide, whereby heat generated by combustion of said inactive carbonaceous material is utilized in forming carbon bisulphide.

2,141,767
RAILWAY TRUCK
Percy B. Camp, Maywood, Ill., assignor to Cardwell Westinghouse Company, a corporation of Delaware
Application December 31, 1934, Serial No. 759,827
12 Claims. (Cl. 105—193)



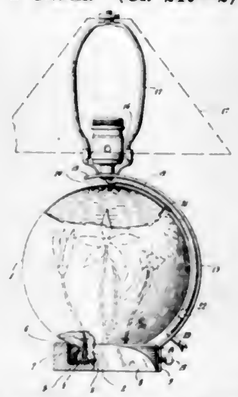
10. In a railway truck, in combination, a side frame comprising a tension member, a compression member, and spaced vertical columns connecting said members, a truck bolster having an end located between said columns, springs supporting said bolster from said side frame, friction plates mounted on opposing faces of said columns and presenting opposed downwardly converging surfaces, friction shoes associated with said bolster end and slidably supported thereby for reciprocable motion laterally of said bolster, surfaces on said shoes adapted to engage said downwardly converging surfaces, and springs chambered within said bolster end for urging said shoes into continuous frictional engagement with said downwardly converging surfaces.

2,141,768
MANUFACTURE OF CARBON BISULPHIDE
Charles Forbes Silsby, White Plains, N. Y., assignor to General Chemical Company, New York, N. Y., a corporation of New York
Application October 20, 1937, Serial No. 169,969
7 Claims. (Cl. 23—206)



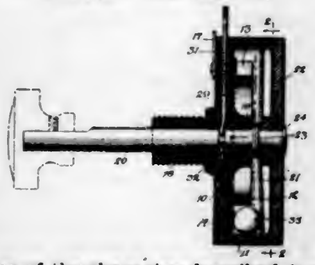
1. The method for making carbon bisulphide which comprises burning in a reaction zone solid inactive carbonaceous material to produce hot carbon monoxide gas, forming a mixture of said hot gas with sulphurous gas of the class consisting of sulphur vapor and sulphur dioxide, then contacting said gas mixture in a second reaction zone with solid active carbonaceous material to form carbon bisulphide, and utilizing sensible heat of the hot carbon monoxide gas to supply heat required for the carbon bisulphide reaction.

2,141,769
COMBINATION LAMP AND DISPLAY DEVICE
Robert W. Simpson, New York, N. Y.
Application January 18, 1937, Serial No. 121,034
1 Claim. (Cl. 240—2)



In a lamp providing general illumination and simultaneously illuminating an article on display, a base member constituting a common support for the article and the illuminating means, a depression in the base member, a transparent container which surrounds the article and the lower end of which normally rests in said depression, the said container having an unbroken surface exterior to said depression, a transparent medium within the container of higher refractive index than that of air, a narrow strip detachably connected to said base member, extending from the base adjacent one side of the container, and following the external contour thereof, said strip terminating adjacent the top of the container, said strip being detachable without removing the container from the base member, an electric light bulb supported above the upper terminal of said narrow strip, a current supply cord carried on the inner side of said strip, and similarly supported translucent means for reflecting a portion of the light from said bulb downwardly into said container.

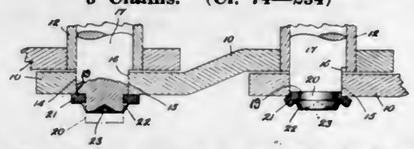
2,141,770
CONTROL DEVICE FOR RADIO RECEIVING SETS
Guillermo Solomon, Santiago, Dominican Republic
Application April 6, 1937, Serial No. 135,207
1 Claim. (Cl. 201—55)



A device of the character described, including a

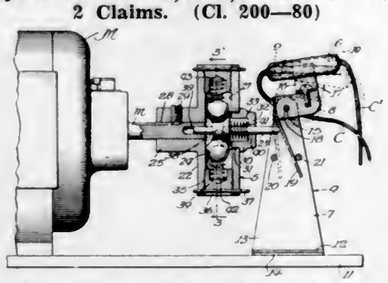
casing, a shaft mounted centrally in the casing, a resistor secured in the casing, a ball engaging the resistor, a disk on the shaft engaging the ball, said casing having a radially extending opening therein, said shaft having an annular groove registering with the said opening, and a spring constituting a bifurcated bar located in said opening and engaging in the groove of the shaft, said bar functioning to exert longitudinal pressure on the shaft to maintain the bar in electrical and frictional contact with the shaft.

2,141,771
SPROCKET CHAIN CONSTRUCTION
William J. Sparling, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application August 21, 1936, Serial No. 97,280
3 Claims. (Cl. 74—254)



1. In pintle securing means for high speed sprocket chains and the like, a member having a pintle-receiving aperture; a pintle of a material harder than said member extending through said aperture, said pintle having a reduced shank extending beyond the face of said member providing a perimetral shoulder in substantial alinement with said face; an annular washer of shearable material carried by said shank; and a head formed on the end of said shank beyond said washer arranged to rigidly secure the washer between it and said shoulder, said head being of a diameter not greater than that of said aperture, whereby upon application of force longitudinally of the pintle said head will cut through said shearable washer and pass through the aperture without damage to the same.

2,141,772
CIRCUIT CONTROLLING DEVICE
Albert Stadler, Rockford, Ill., assignor to Garnet W. McKee, Rockford, Ill.
Application June 30, 1937, Serial No. 151,154
2 Claims. (Cl. 200—80)

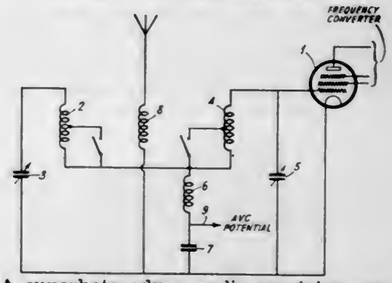


1. A circuit controlling device comprising in combination a switch for the circuit, a power driven rotary element, and a governor connected to rotate with the element and embodying a housing with a bore in the central portion thereof and guide-ways communicating with and radiating from the bore, an axially slidable shaft in the bore adapted when slid in one direction to shift the switch into one of its positions and when shifted in the opposite direction to control the switch so that the latter is shifted into its other position and provided with a tapered member, weights movably mounted in the guide-ways and adapted when the element is driven at a certain speed to move outwards in response to centrifugal force, springs in the outer ends of the guide-ways for forcing the weights inwards when the element is driven at a lower speed and causing them to engage the member and by way of a wedging action force the member and shaft in said one direction, and means for automatically shifting the shaft in the other direction upon outward movement of the weights in the guide-ways.

2,141,773
RECOVERY OF FLUORINE COMPOUNDS FROM WATER VAPOR CONTAINING VOLATILE FLUORINE COMPOUNDS
Walter Strathmeyer, Oppau, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application May 19, 1936, Serial No. 80,554. In Germany May 29, 1935
2 Claims. (Cl. 23—88)

2. A process for the recovery in concentrated form of hydrogen fluoride and silicon fluoride from phosphoric acid concentration vapors containing relatively small percentages of said fluorides and relatively large percentages of water vapor which comprises contacting said vapors with an aqueous liquid at a sufficiently elevated temperature so that no appreciable condensation of said water vapor occurs whereby said aqueous liquid retains and becomes enriched in content of said fluorine compounds.

2,141,774
WIRELESS RECEIVING APPARATUS
Edward Samuel Villiers Truefitt, London, England, assignor to Electric & Musical Industries Ltd., Hayes, Middlesex, England
Application June 4, 1937, Serial No. 146,396
In Great Britain June 25, 1936
4 Claims. (Cl. 250—20)

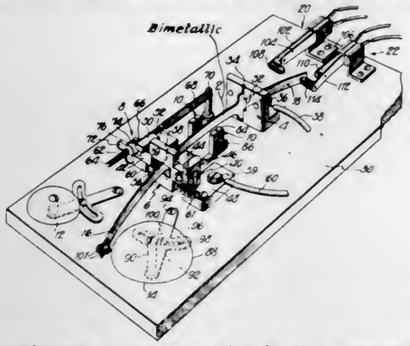


1. A superheterodyne radio receiving apparatus having an intermediate frequency network operating at a fixed intermediate frequency, a tunable band-pass filter network comprising two similar radio frequency circuits tunable within a predetermined range of frequencies for tuning the receiver to a desired frequency, the two radio frequency circuits having in common a coupling circuit which is arranged to resonate at a frequency corresponding substantially to the intermediate frequency generated by the receiving apparatus.

2,141,775
THERMOSTATIC DEVICE
Richard Varley, St. George, Staten Island, N. Y., assignor, by mesne assignments, to Harry A. Richards, Stamford, Conn.
Application September 18, 1935, Serial No. 41,026
10 Claims. (Cl. 200—113)

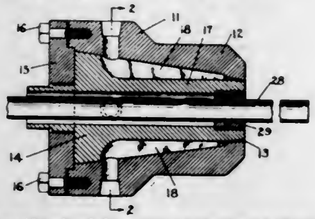
1. A thermostatic device comprising an elongated bimetallic element of thermostatic mate-

rial adapted to be subjected to heat, means cooperatively engaging said element at two separated points to impose longitudinal restraint upon the intervening portion thereof, at least one of the ends of said element extending freely beyond its corresponding point of restraint, said thermostatic element having its intervening portion normally curved in one direction until it is heated to a predetermined temperature when it



abruptly snaps into a position having an opposite curvature, in which position it remains until cooled to a predetermined lower temperature when it abruptly snaps back to its original position of curvature, and auxiliary means disposed in the path of movement of an extended free end of said thermostatic element and adapted to be engaged and actuated thereby during certain of its abrupt movements.

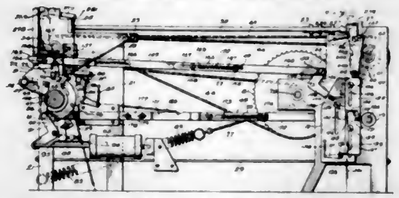
2,141,776
CELLULOSIC STRUCTURE AND METHOD FOR PREPARING SAME
Leon Pierre Georges Vautier, Saint-Just-des-Marais, and René Edouard Fays, Villeurbanne, France, assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 18, 1934, Serial No. 748,880
In France November 3, 1933
10 Claims. (Cl. 18—57)



1. The method of forming tubular articles from freely flowing solutions which are instantly coagulable in a coagulating medium which comprises passing a plurality of such solutions, while maintaining them separated from each other, to a point closely adjacent said coagulating medium, joining said solutions in an annular stream of substantially uniform cross section to form a bond therebetween and maintaining a sharp line of division at the joint between said solutions by causing them to flow in parallel relationship to each other prior to coagulation of the same, and immediately thereafter passing said stream into said coagulating medium.

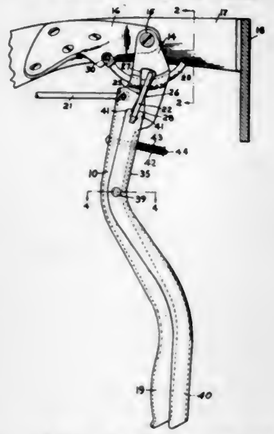
8. A new article of manufacture comprising a thin, flexible, seamless tubing of regenerated cellulose having integrant, longitudinally parallel, circumferential sections, at least one of said sections being transparent, the remaining section or sections having a pigment uniformly distributed within the body of said section or sections to render the same non-transparent, the said tubing exhibiting sharp and distinct lines of demarcation between the said integrant sections.

2,141,777
RACING GAME
John Watling, Chicago, Ill., assignor to Watling Scale Company, Chicago, Ill., a corporation of Illinois
Application March 20, 1937, Serial No. 132,142
36 Claims. (Cl. 273—86)



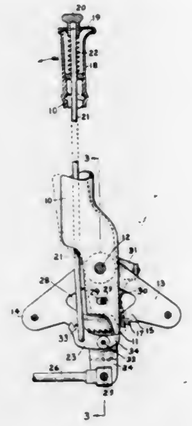
1. In a racing game apparatus, the combination of a frame, parallel rectilinear track rails mounted on said frame, endless sprocket chains respectively mounted parallel with said track rails, dummies slidably mounted on said rails and attached to said chains, a power spring, manually operable means for actuating said chains in a direction to effect the return movement of the dummies to starting position and for simultaneously tensioning said spring, means motivated by said spring for actuating said chains at a uniform speed in a direction to effect the racing movement of the dummies, and chance controlled means for effecting successive increases of speed of the respective chains during the racing movement.

2,141,778
HAND OPERATED BRAKE LEVER
Floyd D. Wenn, Binghamton, N. Y., assignor to The Brewer-Titchener Corporation, Cortland, N. Y., a corporation of New York
Application April 23, 1937, Serial No. 138,546
7 Claims. (Cl. 74—531)



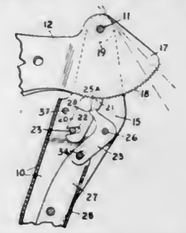
1. In a vehicle brake actuating assembly adapted to be hand operated by a driver, a primary lever provided with a transverse pivot located between the lever ends, a main fulcrum mounting one end region of said lever, a handle at the other lever end, a brake rod attached to the primary lever, a manipulative trip lever mounted intermediate its ends upon the transverse pivot, one trip lever end being shaped into a manipulative thumb piece that extends alongside of said handle and lies toward the driver, a longitudinally retained arcuate sector bar whose center of curvature substantially coincides with the axis of the main fulcrum, an elongated clutch block directed lengthwise of and floatingly borne by the primary lever between opposed rocking points located medially of the block length and formed integrally with the primary lever to allow for a combined longitudinal and rocking tilt movement of the block about such fulcrum agency, said clutch block being apertured at one end region and having the sector bar entered therethrough, means operatively interconnecting the other end region of the clutch block with a contiguous end portion of said trip lever, and resilient thrust means urging said thumb piece away from the handle.

2,141,779
SAFETY EMERGENCY BRAKE LEVER
Floyd D. Wenn, Binghamton, N. Y., assignor to The Brewer-Titchener Corporation, Cortland, N. Y., a corporation of New York
Application September 28, 1937, Serial No. 166,048
5 Claims. (Cl. 74—536)



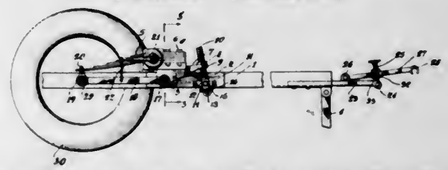
1. A safety brake lever assembly comprising knuckle jointed arm and elongated body sections of which one end region of the last named section is grippable to manually alter the relative axial inclination of the respective sections, a main pivot mounting the body section for rocking movement, stationary sector plate means including a series of teeth disposed about the axis of the main pivot, stop means limiting the inclination of the gripped body section relative to the arm section about the knuckle joint thereof, a single detent pivotally carried by the arm section for stepwise engagement with said teeth, a draft rod attached to said arm section, a manipulative control located adjacent to the grippable portion of said body section, a pawl rod operatively interconnecting said control with the detent, and detent locking means serving to retain the engaged detent against tooth release except by a manipulation of said control while the body section is being gripped.

2,141,780
HAND-OPERATED BRAKE LEVER
Floyd D. Wenn, Binghamton, N. Y., assignor to The Brewer-Titchener Corporation, Cortland, N. Y., a corporation of New York
Application March 3, 1938, Serial No. 193,628
9 Claims. (Cl. 74—537)



1. The combination of a primary lever provided with a pivot located intermediate the respective lever ends, a manipulative trip lever mounted to rock upon said pivot, a main fulcrum for one such lever end region, a sector plate having a series of ratchet teeth grouped about the fulcrum axis, a brake rod pivotally attached to the primary lever, an elongated floating pawl block equipped with tooth engaging means and having opposed longitudinal edges of which one such edge region is provided with guide slot means and the other edge region is provided with socket means, cam pin means carried by the primary lever and cooperatively entered through the slot means, and bifurcated rocker means pivoted upon the primary lever of which one rocker branch is arranged to constitute a positively interconnected knuckle joint with said socket means, the other rocker branch being operatively linked to the manipulative trip lever.

2,141,781
DEVICE FOR INCREASING AND DECREASING ROAD CLEARANCE OF VEHICLES AND AN ADJUSTABLE ANCHOR
Le Roy V. Allen, Hohokus, N. J.
Application February 17, 1937, Serial No. 126,159
4 Claims. (Cl. 280—6)

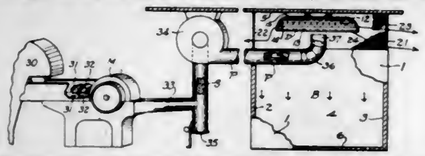


1. The combination with a vehicle frame; of an axle, an arm pivoted at one end to said frame, the other end supporting said axle, resilient means supporting said lever at a predetermined angle with said frame, and means in said frame for enabling manual adjustment of said resilient means to vary the angle between said lever and said frame, whereby said frame may be raised or lowered with respect to the wheels, and means on said frame for supporting the same at a predetermined distance off the ground, whereby the wheels may be raised off the ground to facilitate the changing of tires.

2,141,782
FIBER RECEIVING DEVICE
Oliver A. Benoit, Lawrence, Mass.
Application January 7, 1938, Serial No. 183,835
12 Claims. (Cl. 19—146)

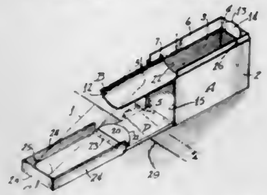
1. In a fiber mixing system, the combination

of a bin having an imperforate top and four imperforate walls, there being a screen through the upper part of one of its walls; with a head forming part of and attached to the top of the bin, said head having curved, perforated wings extending downwardly and outwardly from an im-



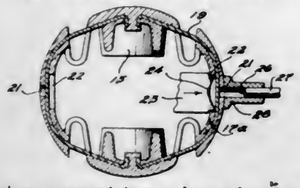
perforate top; a delivery pipe extending upwardly and terminating proximate the head; and means to blow fibers through said pipe up against the top of the head; together with a horizontal conveyor apron, one end of which extends into and forms part of the bottom of the bin.

2,141,783
POCKET ASH RECEIVER
Robert C. Caples, Reno, Nev.
Application October 5, 1936, Serial No. 104,043
11 Claims. (Cl. 206—37)



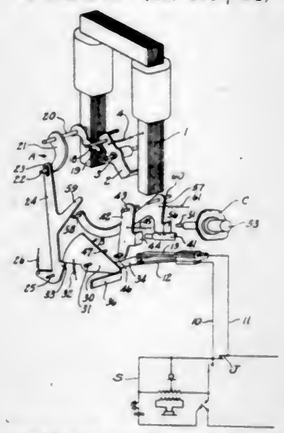
1. In combination, an ash receptacle, a cigarette supporting member pivotally carried by the receptacle and when in closed position constituting a primary cover for the receptacle, a fireproof tray, and a link connecting the tray with the receptacle, said tray being swingable into closed position over the receptacle and constituting a secondary cover therefor, the link acting as an auxiliary end piece for the receptacle.

2,141,784
PISTON
Ray E. Day, Grosse Pointe, Mich., assignor to Motor Research Corporation, Detroit, Mich., a corporation of Michigan
Application January 22, 1937, Serial No. 121,857
16 Claims. (Cl. 309—15)



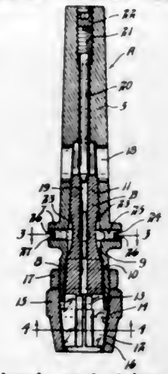
1. A piston comprising a head having depending boss carrying extensions, opposed skirt sections separated from the head, a pair of yieldable webs or struts connecting each skirt section to the extensions, the webs of each pair being substantially of goose-neck formation having relatively short converging portions extending inwardly from the outer edges of the skirt section and widely diverging longer portions extending to the boss carrying extensions, said converging and diverging portions being joined by intermediate bowed portions, the cross-section of the skirt section and webs varying from top to bottom thereby imparting increased stiffness to the lower end of the skirt section against mechanical loads during operation.

2,141,785
TELEPHONE MECHANISM
Théodore Dietrich and Onésime Borel, Geneva, Switzerland, assignors, by mesne assignments, to "Sodeco" Société de Compteurs de Geneve, Geneva, Switzerland, a corporation of Switzerland
Application June 6, 1936, Serial No. 83,883
In Switzerland June 8, 1935
8 Claims. (Cl. 179—14)



1. In a telephone mechanism having registering mechanism in combination a current impulse actuated device for operating said register, a telephone having a station selecting and calling device, means for short-circuiting said selecting and calling device, means for cutting out said short-circuiting means to render said selecting and calling device operative, and means automatically operated by said impulse actuated device for reestablishing said short-circuit as soon as the first call is completed.

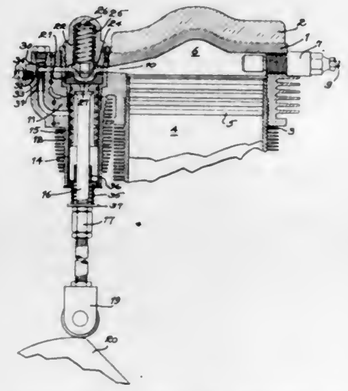
2,141,786
FRICTION CHUCK AND DRIVER
John Helgerud, Minneapolis, Minn.
Application June 14, 1937, Serial No. 148,035
3 Claims. (Cl. 10—135)



1. A friction chuck and driver comprising a driver member, a tool holding driven member having a tapered shank, said driver member having a tapered opening at one end to rotatably

receive the shank of said driven member, said driven member including means for rotatably receiving and holding a tool therein, means for forcing the shank of said driven member into said opening to cause desired frictional resistance to rotational movement of said driver member relative to said driven member, means for locking said shank forcing means, a plurality of ratchet teeth on the shank of said driven member, and a reversible pawl supported by said driver member whereby the ratchet action of said ratchet teeth and pawl may be reversed upon reverse actuation of said chuck and driver.

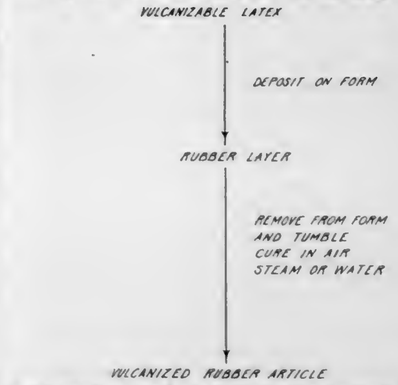
2,141,787
IGNITER ASSEMBLY
Harlan Verne Honn, San Francisco, Calif.
Application August 9, 1937, Serial No. 158,130
9 Claims. (Cl. 123—143)



1. In combination with a cylinder having a piston cooperating therewith to ignite a fuel charge by heat of compression, means for releasing the ignited charge at a predetermined pressure comprising an exhaust conduit, a valve seat between said exhaust conduit and said cylinder, said seat having a relatively large opening into said exhaust conduit and a relatively small opening into said cylinder, a valve cooperating with said seat and having annular contact therewith at least adjacent both openings, a spring urging said valve against said seat, and means for building up a pressure in said exhaust conduit, the relative areas of the valve surfaces exposed to the cylinder and to the exhaust conduit, and the spring pressure all being proportioned to hold the ignited charge until a predetermined pressure has been reached, whereupon the valve completely opens and discharges the burning gases into said conduit.

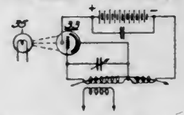
2,141,788
MANUFACTURE OF RUBBER ARTICLES
Victor H. Hurt, Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application January 4, 1935, Serial No. 427
8 Claims. (Cl. 18—53)

1. In the manufacture of rubber articles by the deposition of rubber films from vulcanizable latex on deposition backings, the steps which comprise removing the rubber films from the surface of the deposition backings at least before complete vulcanization, and substantially increasing the state of vulcanization thereof by tumble curing said articles under vulcanizing conditions



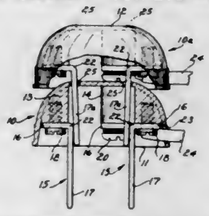
in a medium selected from the group consisting of air, steam and water.

2,141,789
PHOTOELECTRIC CELL OSCILLATION CIRCUIT
Harley A. Iams, San Diego, Calif., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application December 12, 1930, Serial No. 501,878
1 Claim. (Cl. 250—41.5)



In combination with a photo-sensitive electrode and a source of radiant energy incident upon said electrode, means for varying the intensity of said incident energy, a second and a third electrode arranged to cooperate with said photo-sensitive electrode, means and circuits for impressing a potential on said electrode relative to said photo-sensitive electrode and a higher potential on said third electrode relative to said photo-sensitive electrode, an oscillation network associated with one of said circuits, said circuits being electro-magnetically coupled, and a load circuit adapted to derive power from one of said circuits.

2,141,790
PLUG CAP
Russell A. Keddy and Roy L. Allaire, Stamford, Conn.
Application February 8, 1938, Serial No. 189,389
2 Claims. (Cl. 173—334)



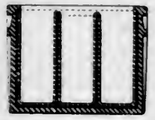
2. An attachment plug cap comprising a body of insulating material having an open end, contacts mounted in said body and including blades projecting through the open end thereof, a binding post on each of said contacts, said body having an opening through a side wall thereof for the passage of wires leading to said binding posts, said body having a pair of spaced entrance slots in its other end for the insertion of the blades of

another plug cap, said first mentioned blades so located with respect to said entrance slots that as the blades of the other cap are inserted through said entrance slots such inserted blades engage the opposed surfaces of the first mentioned blades and are sprung toward one another as the inserting movement continues, said body at its end having said entrance slots comprising a thin wall, said body centrally open from the inner side of said wall to permit of such springing of the inserted blades toward one another, and said first mentioned blades of such lengths that on complete insertion of them through the slots of another cap the inserted blades will not project through the open end of the cap into which they have been inserted.

2,141,791
CONSTRUCTION OF STORAGE BATTERY CONTAINERS

Charles L. Keller, Cincinnati, Ohio, assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio

Application May 6, 1936, Serial No. 78,261
2 Claims. (Cl. 206—2)

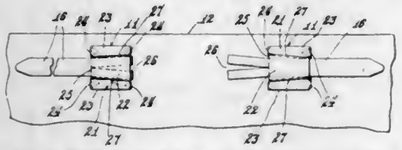


1. In a moulded storage battery container or the like the combination of an outer reinforcing member, comprising side and end parts and a bottom part, and an inner or partition reinforcing member, comprising inter-spaced partition parts and means endwise of said parts for connecting them together, said partition reinforcing member being disposed within said outer reinforcing member, and the whole interior surfaces, at least, of the structure being covered with a molding composition, the inner and outer reinforcing members being otherwise free of each other.

2,141,792
FASTENER

Emil Kern, Long Island City, N. Y., assignor to Acco Products, Inc., a corporation of New York

Application October 22, 1936, Serial No. 106,940
12 Claims. (Cl. 129—25)



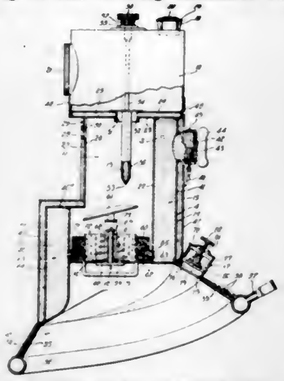
6. In a folder, a back sheet, a mounting element secured to said sheet, a bridge-like portion in said element, a separable prong inserted beneath said bridge-like portion, and means in said bridge-like portion and on said prong engaged to prevent inadvertent removal of said prong.

2,141,793
DEVICE FOR ADMINISTERING ANESTHETICS

Garnet King, Los Angeles, Calif., assignor of one-half to Frances King, Los Angeles, Calif.

Application February 2, 1935, Serial No. 4,684
2 Claims. (Cl. 128—188)

1. In a portable anesthetic administering device the combination of, a mixing chamber, means supplying liquid anesthetic to the mixing chamber, means admitting air to the mixing chamber, a breathing chamber, a partition separating said chambers and having a valve controlled opening, means for preventing the anesthetic from falling directly through said opening, means surrounding the opening in the mixing chamber for trapping

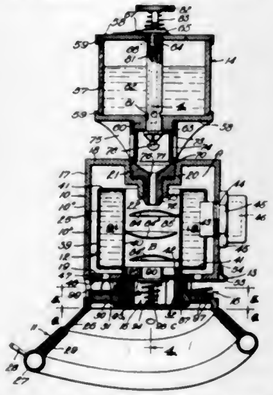


the liquid anesthetic to prevent the same from entering the opening in a liquid state, and a jacket around the mixing chamber for holding a heated liquid.

2,141,794
APPARATUS FOR ADMINISTERING ANESTHETICS

Garnet King, Los Angeles, Calif., assignor of one-half to Frances King, Los Angeles, Calif.

Application May 6, 1936, Serial No. 78,120
15 Claims. (Cl. 128—188)



1. A device for administering anesthetics including, a hollow body, a container in the body for holding a heating medium and including an outer tubular wall spaced from the body to leave an air chamber therein, and an inner tubular wall spaced from and within the outer wall, the said inner wall defining a mixing chamber having one end in communication with the air chamber, means for delivering anesthetic to said end of the mixing chamber, and a mask for receiving the anesthesiant mixture from the other end of the mixing chamber.

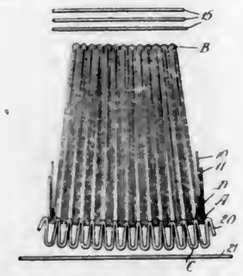
2,141,795
CURTAIN TRIMMING

Hugo A. Klahre, Teaneck, N. J., assignor to Consolidated Trimming Corporation, New York, N. Y., a corporation of New York

Application July 8, 1938, Serial No. 218,065
5 Claims. (Cl. 2—278)

1. Trimming material for the edges of fabrics, said trimming material consisting of a plurality

of loops of yarn disposed side by side, successive loops extending in opposite directions, the loops at one edge of the trimming material being disposed side by side in close relation to each other, and the loops at the other edge being disposed side by side in spaced relation to each other so

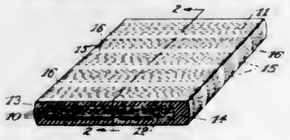


that the length formed by a given number of loops at one edge is greater than the length at the other edge formed by the same number of loops and means at one edge for securing the loops in contact with each other and means at the other edge for securing the loops in spaced relation at said latter edge.

2,141,796
TRANSMISSION BAND

Adolf Loges, Hanover, Germany, assignor to Continental Gummi-Werke A. G., Hanover, Germany, a corporation of Germany

Application March 19, 1937, Serial No. 131,904
In Germany March 18, 1936
4 Claims. (Cl. 74—232)

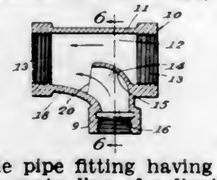


1. A rubber transmission band or belt comprising a core, a rubber coating around the same, and spaced apart corded strands, each separate from the other and arranged in groups spaced longitudinally apart from each other, along the length of the belt or band embedded in the rubber adjacent the surface of the belt or band, the rubber filling the spaces between the separate strands and groups of strands, the groups of strands and rubber filled spaces therebetween being in a plane longitudinally of the belt, and the rubber filled spaces between the groups of strands having a width at least half the width of each group of strands.

2,141,797
FITTING

Angelo Minella, Boston, Mass.

Application March 26, 1937, Serial No. 133,196
6 Claims. (Cl. 285—210)

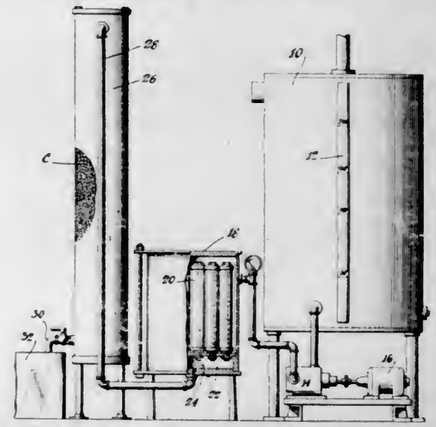


1. A reversible pipe fitting having a body for insertion in the main line of a liquid supply of a heat exchange system, said fitting having a lateral branch for establishing communication with a branch line, the lateral branch having a portion projecting into the body, the mouth of said projecting portion defining a cross sectional area of less extent than the area of the segment of a circle defined by a chord which passes through the innermost point of the mouth defining wall, said projecting portion occupying a position with relation to the fitting such as not to preclude that a portion of the liquid traveling through the zone in which the mouth of said projecting portion opens shall continue to travel in its normal path of movement.

2,141,798
DISTILLATE TREATING PROCESS

Howard G. Peterson, New York, N. Y.

Application May 27, 1936, Serial No. 82,029
9 Claims. (Cl. 210—62)

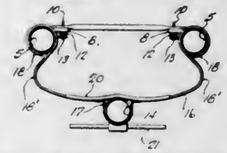


2. The process of recovering alcohol free from foreign odors and tastes from waste, impure fractions of alcohol containing distillates, comprising, filtering the waste distillate through a diatomaceous earth filter, and subsequently percolating the filtrate through a gas-adsorbent activated carbon.

2,141,799
BOAT

Charles W. Pyle, Milwaukee, Wis.

Application December 11, 1936, Serial No. 115,328
9 Claims. (Cl. 9—1)



1. A device of the character described comprising: two side pontoons; a center pontoon having less buoyancy than said side pontoons; and readily detachable means for rigidly connecting said side pontoons in substantially parallel relationship; and independent means yieldingly locating the center pontoon between and beneath the side pontoons.

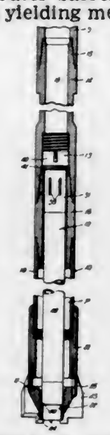
2,141,800
CORE DRILL CONSTRUCTION

Jesse C. Smetherman, Bakersfield, Calif., assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California

Application November 27, 1937, Serial No. 176,859
8 Claims. (Cl. 255—72)

1. In a core drill, an outer barrel, a removable inner barrel in the outer barrel, shiftable

latch means in the outer barrel cooperable with the inner barrel, and yielding means resisting upward movement of the latch means in the outer barrel.



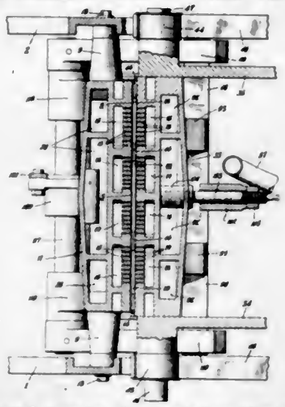
2,141,801
SHOELACE
Seymour Taft, Flushing, N. Y.
Application May 4, 1937, Serial No. 140,605
5 Claims. (Cl. 24—143)



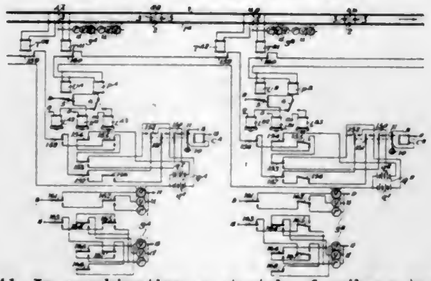
1. A lace for a shoe having eyelets, said lace being adapted to be laced through the eyelets and having end tips and a tying portion at each end adapted to be tied in a bow knot; both tying portions being provided with a series of permanently fixed and spaced protuberances small enough to pass through the eyelets and disposed throughout and beyond each tying portion and said knot; one or more of said protuberances being adapted to engage the cross portion of the knot and having the new function of preventing the protuberance and adjacent portion of the lace from passing said cross portion when tied, thereby preventing the knot from coming untied, thereby adapting the lace to any ordinary type of shoe or other article to be fastened.

2,141,802
STEREOTYPE PLATE CASTING MECHANISM
Nils Olsen Temte, Chicago, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application October 21, 1936, Serial No. 106,721
7 Claims. (Cl. 22—2)

6. A stereotype plate casting machine including in combination walls enclosing a casting chamber, means for positioning matrices of various widths within the chamber, means for selectively applying suction to various sized areas of a casting chamber wall to hold various sized matrices, and means for varying the size of the casting chamber so that suction may be applied to only that area in use for casting and corresponding to the matrix area.



2,141,803
RAILWAY TRAFFIC CONTROLLING APPARATUS
Howard A. Thompson, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application October 4, 1933, Serial No. 692,155
47 Claims. (Cl. 246—50)

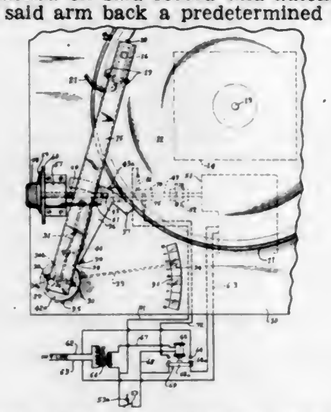


41. In combination, a stretch of railway track divided into a plurality of consecutive track sections, a pair of conductors for each section, means for each section for supplying the conductors for the section next in the rear with constant current of a given polarity or with constant current of the opposite polarity or with periodically interrupted current of each of said two polarities according to traffic conditions in advance, and a signal for each section capable of displaying four distinct clear block indications which are selectively controlled by said four forms of current received from said conductors.

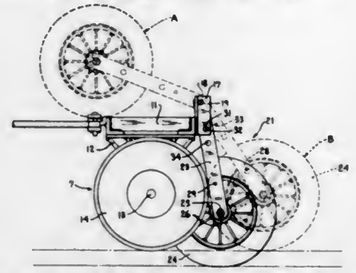
2,141,804
PHONOGRAPH REPRODUCER
Lincoln Thompson and Robert L. Stone, Cheshire, Conn.
Application April 17, 1936, Serial No. 74,919
10 Claims. (Cl. 274—9)

1. In a device for reproducing a disc phonograph record, an elongated universally mounted reproducer arm adapted to swing across said record, a pick-up needle-carrying member flexibly

mounted on said arm to swing up and down with respect thereto, means for lifting said arm and pick-up member at will from any point they have reached on said record and automatically moving said arm back a predetermined number of grooves, means for thereafter causing said needle to be replaced on said record in backspaced position on a lateral manual operation, and means to vary the number of grooves of backspacing.



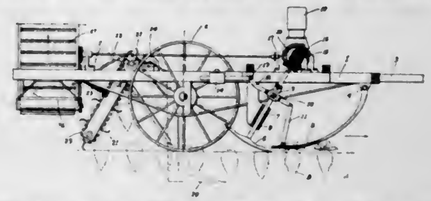
2,141,805
TRANSPORT TRUCK
Charles H. White, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application January 27, 1937, Serial No. 122,563
9 Claims. (Cl. 55—73)



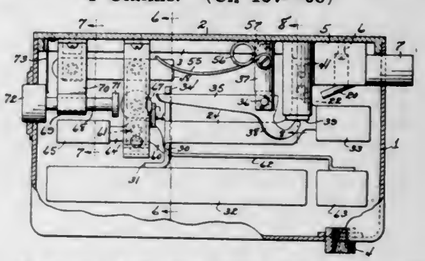
1. In combination with an implement having a frame, a bracket fixed on said frame, a transport truck comprising a supporting arm swingably mounted on said bracket, a wheel journaled on said supporting arm, said supporting arm being movable into a position to raise said implement for transport, said bracket and said arm having openings which are disposed in alignment when said implement is in a raised position and means adapted to be inserted through said aligned openings for locking said arm to said bracket to hold said arm in said transport position.

2,141,806
BEET TOPPER
William A. Zielesch, Sacramento, Calif.
Application July 19, 1937, Serial No. 154,373
6 Claims. (Cl. 55—107)

1. A beet topper comprising a frame mounted for movement along the ground, a shoe engageable at one point with the tops of the beets, means mounting the shoe on the frame for vertical movement at said point, a rotary beet topping cutter immediately behind the shoe, an axial drive shaft upstanding from the cutter, a collar fixed on the shaft, a yoke relatively turnable on the collar, and a substantially vertical link connecting the yoke and shoe; the collar being adjustable on the shaft axially thereof whereby the vertical spacing of the leading edge of the cutter relative to the beet engaging surface of the shoe may be altered.



2,141,807
LIQUID LEVEL CONTROLLING VALVE
Arthur N. Asselin, Fall River, Mass.
Application July 18, 1938, Serial No. 219,899
4 Claims. (Cl. 137—68)

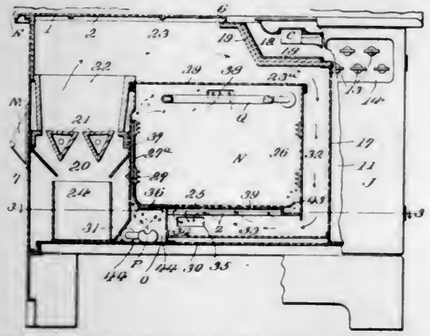


1. A liquid flow and level controlling device comprising, a hollow casing having a liquid inlet provided with a valve having opposed seating portions, one portion moved against the liquid inflow and the other portion in the direction of inflow to close the valve, means for holding said valve in neutral position under given inflow fluid pressure and for closing the valve against such pressure when the liquid in the casing reaches a predetermined level, said means including a lever member cooperatively engaging the valve, a float and counter-balancing weight on said lever member, a regulatable spring-actuated element cooperating with said lever member to hold the valve in its neutral position against the given liquid inflow pressure, the float actuating said lever member to close the valve against the liquid inflow upon the liquid reaching the predetermined level in the casing, and float-controlled spring-actuated means acting to overcome said lever member and its regulatable spring-actuating means whereby to reversely close the valve in the direction of liquid inflow when the liquid rises above the predetermined level in the casing.

2,141,808
COMBINATION SOLID AND GASEOUS FUEL COOKING RANGE
Almer H. Brodbeck, St. Louis, Mo., assignor to American Stove Company, St. Louis, Mo., a corporation of New Jersey
Application October 14, 1937, Serial No. 169,035
14 Claims. (Cl. 126—36)

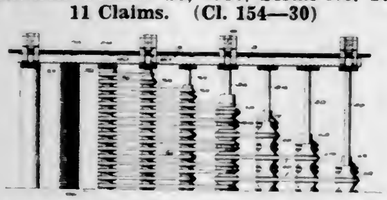
1. In a range of the character described, a range body having therein a solid fuel burner chamber, an oven chamber in said body supported in separated relationship to the top, sides and bottom of said range body to provide a flue passageway over around and under the oven chamber, a solid fuel burner in the first mentioned burner chamber and having communication at

its upper end with the flue passageway above the oven chamber, a gaseous fuel burner and a chamber therefor positioned beneath the oven bottom, said chamber and burner being so disposed and positioned as to form no obstruction to the free flow of hot products of combustion of the solid fuel burner through said flue passageways to a point of discharge positioned in the end of the flue passageway beneath the oven chamber, said oven chamber provided with a bottom having therein heat passageways extending under the oven bottom and across the top of the



flue passageway beneath the oven chamber, the heat passageways in said oven bottom having communication at one end with the gaseous fuel burner chamber and at their opposite ends with the interior of said oven chamber in the lower end thereof, a heat passageway extending from said gaseous fuel burner chamber up one side of said oven chamber and discharging into the upper end of the oven, an outlet in said oven chamber adjacent the upper end thereof, the parts making up the double bottom of the oven having intimate contact with one another at a plurality of points, for the purpose described.

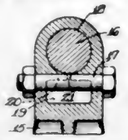
2,141,809
MULTISTAGE CREPING APPARATUS
William H. Cannard, Green Bay, Wis.
Application October 20, 1936, Serial No. 106,685
11 Claims. (Cl. 154—30)



1. In a corrugating machine, the combination of coacting sets of traveling forming belts for transversely crowding a web of material into temporary longitudinal corrugations, and a set of coacting corrugated rolls having a greater number of corrugating ribs than there are belts in the belt sets receiving the web from the belts and adapted to subdivide the corrugations into a series of longitudinal corrugations of different form.

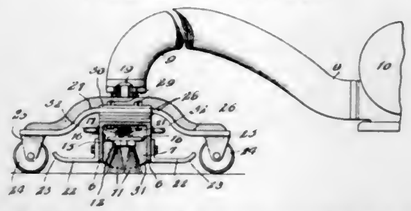
2,141,810
ROLL SHAFT SUPPORT
Lee O. Carroll, South Bend, Ind., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind., a corporation of Indiana
Application December 16, 1935, Serial No. 54,570
7 Claims. (Cl. 308—20)

1. A conveyor roll shaft support having an unsplit upper shaft-clamping portion embodying a shaft bore and subjacent recess and a gap in the web between said bore and recess, the walls of said portion being continuous around said



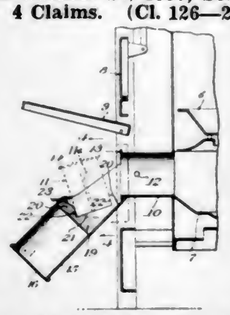
bore and recess, and a clamping bolt arranged under and transversely of said shaft bore connecting opposite walls of said recess, the tightening of which will effect a sufficient contraction of the shaft bore for the clamping of the shaft.

2,141,811
SWIMMING POOL CLEANER
Roy B. Everson, Chicago, Ill.
Application March 20, 1937, Serial No. 132,140
6 Claims. (Cl. 210—206)



1. A swimming pool cleaner comprising a submergible elongated housing provided with an inlet opening in its lower portion and having a discharge port, a brush in said housing protruding through said opening, means for adjustably and yieldably maintaining said brush in engagement with the surface upon which said housing is moved, a baffle within said housing above said brush, transversely disposed side-frames straddling end portions of said housing, rollers on said side-frames for maintaining said housing in spaced relation to the surface being cleaned, shims interposed between said side-frames and said housing, leading and trailing shoes extending laterally from lower portions of opposite longitudinal walls of said housing, skids extending below the lower edges of the housing walls, and a pipe leading from said discharge port to the suction side of a pump.

2,141,812
CLEANOUT DEVICE FOR STOVES
Emanuel F. Fales, Sr., Portsmouth, Va.
Application October 27, 1937, Serial No. 171,336
4 Claims. (Cl. 126—242)



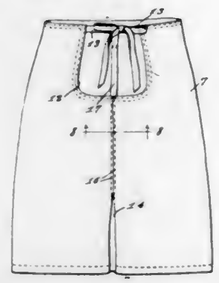
2. A clean out receptacle for stoves, comprising, a hollow cylindrical body having an inclined

apertured end face at one end adapted for connection about the end of a clean out sleeve of a stove, a scraper member secured within said body adjacent said face, said member segmented intermediate of the length thereof to form oppositely disposed arms adapted to embrace the end of a detached closure plug of a stove whereby said plug may be rotated between said arms to clean soot therefrom by said member, said body segmented at the top thereof to form an aperture whereby access may be had to said clean out sleeve and said closure plug inserted for engagement with said scraper member.

2,141,813
ZINC ALLOY ENGRAVING PLATE
William H. Finkeldey, Hastings on Hudson, N. Y., assignor to Edes Manufacturing Company, Plymouth, Mass., a corporation of Massachusetts
No Drawing. Application September 18, 1936, Serial No. 101,530
5 Claims. (Cl. 75—178)

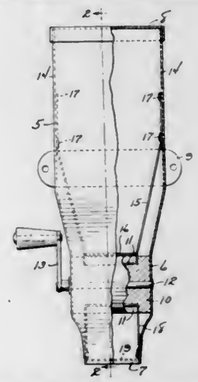
1. A zinc base alloy having a high hardness and superior resistance to deformation and wear, said alloy containing 0.002 to 0.03% of a metal selected from a group consisting of magnesium and lithium, and 0.002 to 0.01% of a metal selected from a group consisting of sodium, calcium and barium, the remainder, except for minor impurities, being zinc.

2,141,814
MATERNITY GARMENT ENSEMBLE
Elsie Frankfurt and Edna Ravkind, Dallas, Tex.
Application June 3, 1938, Serial No. 211,653
1 Claim. (Cl. 2—76)



In a maternity garment ensemble, a blouse including a body portion, swing pleats in the front of the body portion and extending to the lower edge thereof, a skirt including a waistband and having a front thereof centrally recessed from its upper edge to provide an abdominal receiving opening, said body portion being of a length to conceal said opening, straps each having one of their ends secured to the waistband and adapted to be adjustably connected at their opposite ends for the disposal of the straps in bridging relation across the top of the opening to secure the skirt to the wearer, a stitched box pleat on the inner surface of the front of the skirt and extending centrally thereof from the opening to the lower edge of the skirt, a strap looped about one of the first straps for adjustable connection thereto and depending therefrom with its lower edge secured to the upper edge of the box pleat and said box pleat being adjustable from end to end by changing the stitching thereof whereby to vary the width of the skirt.

2,141,815
POWDER DISPENSER
Leo J. Kelly, Hornell, N. Y.
Application May 26, 1937, Serial No. 144,939
1 Claim. (Cl. 221—106)

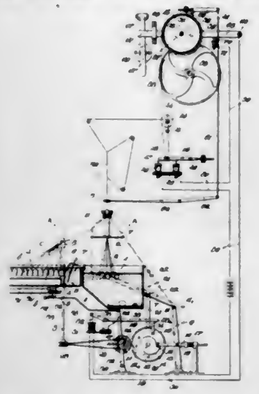


A dispenser of the character described comprising a container body for receiving powdered material and having a contracted hopper-like neck formed with a substantially rectilinear shaped discharge mouth, a pocketed roller journaled within the neck spaced inwardly from the mouth for controlling measured quantities of powdered material and dispensing the same through the said mouth, the pockets in the roller being substantially opposite each other and of rounded formation with opposite parallel straight ends, a substantially U-shaped resilient yoke fixed to and suspended within the body above the roller and having a laterally and upwardly curved jaw of a width equal to the pockets for fitting in the pockets in single order on the rotation of the roller with the ends of said jaw abutting the straight ends of the said pockets and also effecting a vibrator at the top of said roller as well as allowing reverse rotation thereof, and a resilient scraper member fixed within the mouth for engagement in the pockets and abutting the straight ends of the latter and coacting with the yoke to hold the roller centered in the neck and held against lateral displacement therein and effecting the loosening of the powdered material therefrom.

2,141,816
AUTOMATIC REELING MACHINE
Isoji Kowada, Kyoto-fu, Japan, assignor to Universal Winding Company, Boston, Mass., a corporation of Massachusetts
Application January 12, 1932, Serial No. 586,215
2 Claims. (Cl. 19—3)

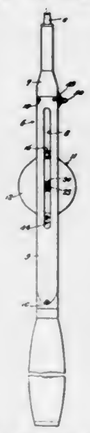
1. Apparatus for the control of cocoon supply mechanism including in combination with cocoon supply mechanism a small pulley over which thread passes after leaving the supply mechanism, another pulley situated beneath the first pulley and about which the thread is passed, a control circuit for the cocoon supply mechanism, a switch arm in the form of a pivotally mounted lever interposed in the circuit and arranged beneath the pulleys, a guide roller on the switch arm and over which the thread is trained, a fixed contact interposed in the circuit and located beneath the rocking lever, a further and larger pulley mounted on the same axis as the first pulley and about which the thread is trained after leaving the guide roller, the thread being passed about the small and large pulleys to rotate said pulleys and the thread being given a

constant stretch and tension due to the constant speeds of the passing thread on the first and last mentioned pulleys, the arrangement being such that the thread is given a certain constant stretch and tension due to the different speeds of the passing thread on to said pulleys and the



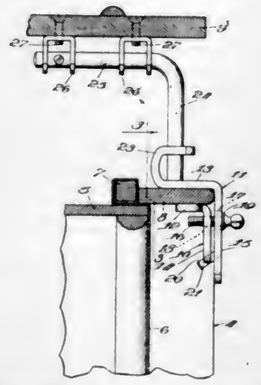
rocking lever is made to move in accordance with the tension of the thread in proportion to the degree of fineness of the thread and when the "denier" of the thread decreases the switch lever moves to close the circuit thereby starting the cocoon supply mechanism.

2,141,817
FISHING REEL
Anthony J. Marshaus, East Cleveland, Ohio, assignor of one-half to Adolph Ebert, Cleveland, Ohio
Application November 12, 1937, Serial No. 174,234
6 Claims. (Cl. 43—20)



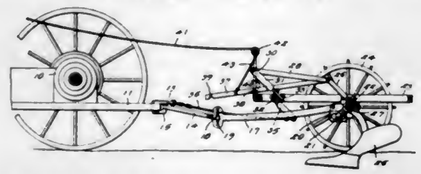
1. In combination, a fishing rod handle having a shank, said shank being hollow for a material portion of its length intermediate the ends of said shank, the hollow portion of the shank having sides provided with elongated slots, a reel carrier pivoted at one end thereof between two opposed sides of said shank and extending through the slots in the remaining two opposed sides of said shank, a spool revolubly supported by said spool carrier, and mechanism for positively driving said spool incidental to a longitudinal shifting movement of the spool carrier relative to said handle.

2,141,818
CLAMP DEVICE
Ignatius J. McNamara, Chicago, Ill., assignor to Slingerland Banjo & Drum Company, Chicago, Ill., a corporation of Illinois
Application August 25, 1937, Serial No. 160,917
2 Claims. (Cl. 24—263)



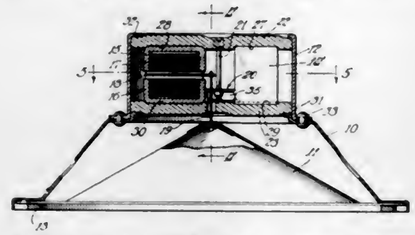
1. A clamp device comprising nested angle shaped members having opposed flanges, certain of said opposed flanges forming jaws for clamping an object, means engaging the other flanges of said members for effecting relative movement of said members toward each other, and a cam on said last-referred-to flange of the outer one of said members against which the inner one of said members moves when said means are actuated, for effecting relative movement of said jaws toward each other, the inner one of said members having a notch to receive said cam.

2,141,819
AUTOMATIC POWER LIFT FOR AGRICULTURAL IMPLEMENTS
Nels C. Nelson, Bertrand, Nebr.
Application January 24, 1938, Serial No. 186,725
2 Claims. (Cl. 97—75)



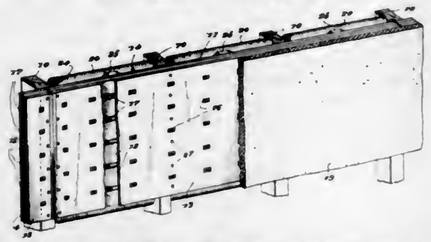
1. A device of the class described including a draft bar adapted to be mounted upon a tractor and to extend transversely thereof, outwardly and rearwardly extending arms of the ends of the bar, a draft tongue connected to the bar between the arms, a wheeled axle on the frame having cranks, plows having beams carried by respective ones of said cranks and connected to said draft tongue, a lever fixed to the axle between the cranks and extending upwardly from the axle, a rock shaft carried by the frame and having oppositely directed crank arms, a link connecting one of said crank arms with said levers, and connectors connected to the ends of said upwardly and rearwardly extending arms of the draft bars and to the other of said crank arms for rocking the crank shaft, tightening of either of said connectors and simultaneously slacking off of the other connector by power of the tractor raising the plows from the ground.

2,141,820
MAGNETIC SPEAKER
Walter J. Paredes, Chicago, Ill., assignor to Arlavox Manufacturing Company, a corporation of Illinois
Application April 7, 1937, Serial No. 135,575
5 Claims. (Cl. 179—119)



1. A vibrator assembly for a magnetic speaker of the character described, including: a motor unit comprising pole pieces, a field coil, and a movable armature adapted to drive the diaphragm of said speaker; a magnet unit for energizing said pole pieces; and mounting means comprising a pair of plates of magnetic material having sockets formed therein for receiving said units and grippingly engaging opposite sides thereof to furnish the sole support therefor.

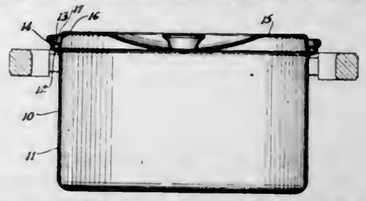
2,141,821
COMPOSITE PLASTER BASE AND INSULATING UNIT
Cecil R. Pemberton, Silver Spring, Md.
Application June 15, 1938, Serial No. 213,919
11 Claims. (Cl. 20—4)



1. In a composite unit adapted for direct application to spaced supporting elements to form an insulated wall having a surface suitable for the reception of a plaster coat, a rigid panel member comprising a plurality of lath members disposed in spaced parallel relation and of a length to bridge a plurality of said spaced supporting elements, a facing sheet and a backing sheet of fibrous material adhesively united to the opposite faces of said lath members to maintain the latter in spaced relation and form air cells therebetween, and a plurality of individual insulating pad members adhesively secured to one face of said unit in spaced relation, said insulating pad members being substantially equal in width to the space between the supporting elements to which the unit is to be applied and spaced apart a distance substantially equal to the width of said elements.

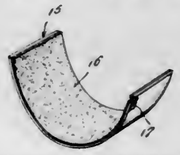
2,141,822
COOKING UTENSIL
Kirk E. Porter, Wooster, Ohio, assignor to The Buckeye Aluminum Company, Wooster, Ohio, a corporation of Ohio
Application January 6, 1938, Serial No. 183,653
5 Claims. (Cl. 53—8)

1. A cooking utensil having side walls provided with an annular shoulder at the upper end of the side walls, an upstanding peripheral flange rising from said shoulder, and a cover having a de-



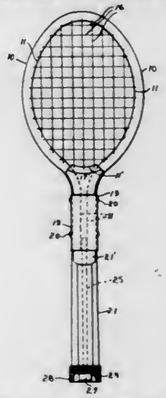
pending rim flange adapted to seat upon said shoulder and provided with a vent hole below the top of said upstanding peripheral flange.

2,141,823
ABRADING LINER
Frank Postma, Ridgewood, N. J.
Application September 17, 1937, Serial No. 164,389
2 Claims. (Cl. 51—204)



2. As a new article of manufacture, an abrading liner for engine crankshaft bearings consisting of a pair of semi-cylindrical members composed of a thin outer shell of relatively stiff and strong sheet material adapted to seat against the bore of the bearing and having bonded to its inner surface granular abrading material adapted to bear upon the crankshaft journal, said abrading liner sections being of the same width and adapted to be seated in contacting relation with each other at their end edges, and means carried by said abrading liner sections adapted to cooperate with the engine bearings to retain the abrading liner sections in correct positions with respect to each other and the bearing.

2,141,824
TENNIS RACKET
Halleck G. Ranger, Seattle, Wash.
Application August 30, 1937, Serial No. 161,558
2 Claims. (Cl. 273—73)



1. A tennis racket comprising a head portion formed from a single piece of metal substantially V shape in cross section, the ends extending in substantial parallel relation, a block having opposite V shaped grooves and a central threaded

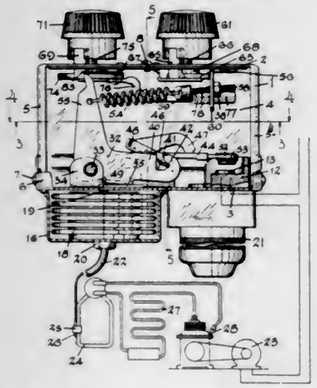
hole, said grooves receiving the ends of the head portion in sliding relation, a collar encompassing said ends and said block and holding the ends firmly within the grooves of the block, a handle portion slidable within said collar and means cooperating with said central threaded hole for adjusting said handle portion.

2,141,825

THERMORESPONSIVE CONTROL SWITCH

Eldon D. Raney, Columbus, Ohio, assignor to Ranco Incorporated, a corporation of Ohio

Application October 22, 1934, Serial No. 749,372
35 Claims. (Cl. 200—83)



1. In a refrigerator control switch, a thermo-responsive element for operating the switch in response to temperatures produced in the refrigerator, a resilient member for loading the thermo-responsive element, means for adjusting within limits the tension of the resilient member to produce desired normal refrigerating temperatures in the refrigerator, means for establishing a predetermined tension in the resilient member irrespective of the adjustment of the adjusting means to increase the switch closing temperatures of the switch above the switch closing temperatures as determined by the adjustment of the first named means, and means responsive to a subsequent operation of the element for automatically restoring the tension of the resilient means to that produced by the first named means.

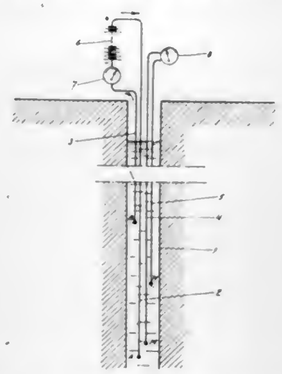
2,141,826

METHOD AND ARRANGEMENT FOR THE ELECTRICAL SURVEY OF THE STRATA TRAVERSED BY A BORE HOLE

Conrad Schlumberger, Paris, France; Anne Marguerite Louise Doll, administratrix of said Conrad Schlumberger, deceased, assignor to Societe de Prospection Electrique, Procedes Schlumberger, Paris, France, a corporation of France

Application August 31, 1935, Serial No. 38,844
In France June 4, 1935
5 Claims. (Cl. 175—182)

1. The method of electrical survey of the strata penetrated by a bore hole, in the part thereof not yet lined with casing but filled with water, which comprises the steps of continuously passing a direct current of known value and of high strength at various depths in the ground between a point in the bore hole at the level of the formation to be investigated, and a point in the space comprising the bore hole and the surrounding rocks, of measuring the potential difference between a point located in the bore hole near the first point at which the current is supplied and a point in the space comprising the bore hole and the surrounding rocks, and of deducing from the measurement and the value of the current the resistivity of the formation to be



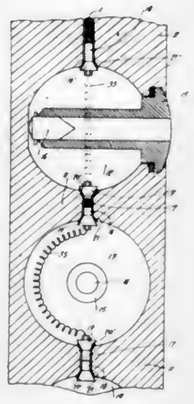
investigated, the current being of sufficiently high value for the potential difference produced by it between the points of measurement to be always large in comparison with the spontaneous potential difference existing between the said points.

2,141,827

DEVICE FOR DISTANT FIRING OF EXPLOSIVE CHARGES

Marcel Schlumberger, Paris, France, assignor to Societe de Prospection Electrique, Procedes Schlumberger, Paris, France, a corporation of France

Application January 24, 1936, Serial No. 60,727
In France November 16, 1935
10 Claims. (Cl. 102—1)



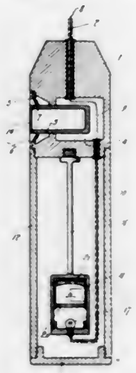
1. In a device for successively firing a plurality of explosive charges at a distance through electrical means, a series of chambers each containing an explosive charge, a filament in each chamber surrounded by the explosive charge, the successive filaments being of a sensitiveness varying in the same direction from one filament to the next, means for connecting electrically the successive filaments in series, so as to form an electric circuit, and means for passing electric currents of progressively increasing intensities through the filaments.

2,141,828

ARRANGEMENT FOR DETERMINING THE ORIENTATION AND VALUE OF DIP OF THE BEDS TRAVERSED BY A BORE HOLE

Marcel Schlumberger, Paris, France, assignor to Société de Prospection Electrique, Procédés Schlumberger, Paris, France, a corporation of France

Application April 21, 1937, Serial No. 138,261
In France April 25, 1936
9 Claims. (Cl. 255—1)



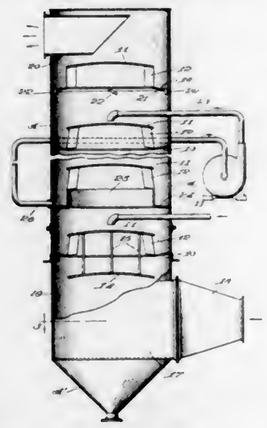
1. Apparatus for determining the orientation and value of the dip of the beds traversed by a bore hole comprising a coring tool carrier, means for lowering the carrier into the bore hole, a coring tool connected to the carrier, means for causing the coring tool to penetrate the rock surrounding the bore hole, and means integral with the support for determining he orientation of the coring tool at the instant at which it is actuated to penetrate the rock.

2,141,829

COLUMN

Claude B. Schneible, Chicago, Ill.

Application October 30, 1935, Serial No. 47,488
6 Claims. (Cl. 261—18)



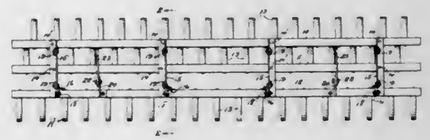
2. In a dust collector column a tangential air inlet in the base of said column, means for forming a rotating sheet of liquid above the inner surface of the lower portion of the column, means for contacting the rising stream of air with a descending stream of oil, and means for collecting and recycling said oil stream.

2,141,830

COMBINATION GROUND CRUST BREAKER, WEEDER, AND MULCHER

Grafton H. Self, Twin Falls, Idaho

Application November 23, 1937, Serial No. 176,140
4 Claims. (Cl. 55—127)



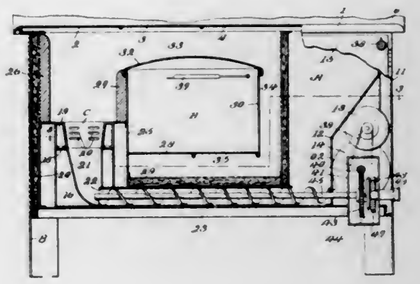
3. In an implement of the character described, a support, a plurality of rows of rearwardly and downwardly directed teeth on said support, and a lead row of forwardly and downwardly directed teeth on said support.

2,141,831

RANGE

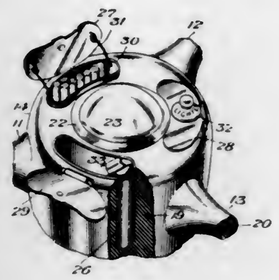
Arthur Stockstrom and George P. Eichelsbach, Jr., St. Louis, Mo., assignors to American Stove Company, St. Louis, Mo., a corporation of New Jersey

Application April 26, 1937, Serial No. 139,055
5 Claims. (Cl. 126—1)



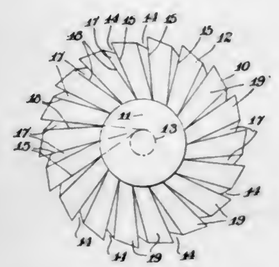
2. An automatic self-controlled solid fuel burning range comprising a housing having a cooking top, an oven within said housing below but separated from said cooking top and forming a flue between the oven and cooking top, a solid fuel fire pot within said housing at one side of said oven, a solid fuel hopper also within said housing, a passageway extending beneath the oven and having its ends communicating with the lower ends of the hopper and said fire pot, a fuel feeding member located in said passageway and feeding fuel from the hopper to the lower end of said fire pot, a thermostat located within the said oven and controlling the heat from said fuel pot the heat within the oven and the heat supplied to the said cooking top and also controlling the operation of said fuel feeding member, whereby the thermostat automatically maintains the heat of both said oven and said cooking top.

2,141,832
STEERING WHEEL CONSTRUCTION
Edward G. Von Gunten, Akron, Ohio
Application March 2, 1935, Serial No. 9,085
4 Claims. (Cl. 206—19.5)



4. A spoked steering wheel including a large hub portion, a central opening in the top part of the hub portion, a solid annular hub area of substantial width throughout its periphery surrounding the central opening, and at least one compartment recess formed in said solid hub area about the central opening.

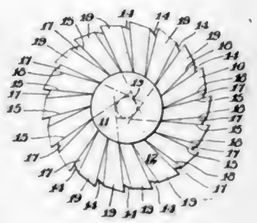
2,141,833
NONMETALLIC BOTTLE CAP AND METHOD OF MAKING AND APPLYING THE SAME
Serenus H. A. Young, St. Paul, Minn., assignor to Young Engineering Laboratories, Inc., Minneapolis, Minn., a corporation of Minnesota
Application July 15, 1936, Serial No. 90,675
10 Claims. (Cl. 93—60)



1. The method of forming bottle caps which comprises coating a sheet of flexible material with an adhesive composition which is non-tacky at normal temperatures and pressures and which is adhesively sensitive at temperatures slightly above normal but distinctly below the melting point of the said composition, cutting from said sheet blanks comprising a top and skirt portion and pressing the said blanks into a truncated conical shape having a plaited skirt portion.

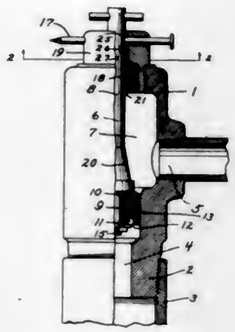
2,141,834
NONMETALLIC BOTTLE CAP
Serenus H. A. Young, St. Paul, Minn., assignor to Young Engineering Laboratories, Inc., Minneapolis, Minn., a corporation of Minnesota
Application January 15, 1937, Serial No. 120,717
4 Claims. (Cl. 215—38)

1. A cap for bottles and other containers formed of light foldable sheet material, a coating of thermoplastic composition on the inner face of said cap adapted to be placed in contact with the mouth of a container, said cap having a central mouth covering portion and a skirt portion, a series of spaced substantially radially extending fold lines in said skirt portion adapted to enable same to form a series of segments and connecting pleats, a portion of each of said pleats being cut out thereby permitting a portion of the



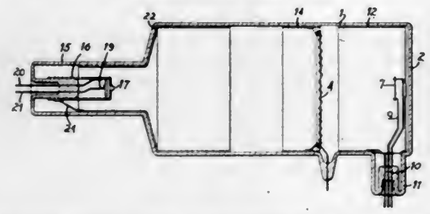
inner coated face of each segment to be folded over in direct contact with the corresponding portion of the outer surface of the next adjacent segment portion and to be adhered thereto by heat and pressure, and the inner coated face of each pleat being adapted to be folded over in direct contact with the corresponding inner coated surface of the next adjacent segment portion and adhered thereto by heat and pressure.

2,141,835
RELIEF VALVE
Herbert Allen, Houston, Tex., assignor to Abercrombie Pump Co., Houston, Tex., a corporation of Texas
Original application July 8, 1933, Serial No. 679,467, now Patent No. 2,071,376, dated February 23, 1937. Divided and this application August 24, 1936, Serial No. 97,493
2 Claims. (Cl. 137—53)



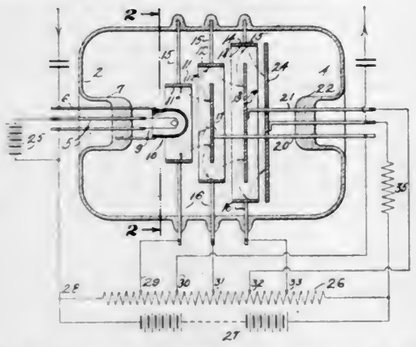
1. A valve comprising a housing, a valve member, a stem on said valve member passing through said housing, said stem and housing having a plurality of aligned openings of different sizes spaced axially of said stem and housing whereby frangible pins of different sizes may be inserted to give desired shearing strength.

2,141,836
CHARGE STORAGE DISSECTOR TUBE
Philo T. Farnsworth, San Francisco, Calif., assignor to Farnsworth Television Incorporated, San Francisco, Calif., a corporation of California
Continuation of application Serial No. 30,118, July 6, 1935. This application September 7, 1935, Serial No. 39,604
1 Claim. (Cl. 250—150)



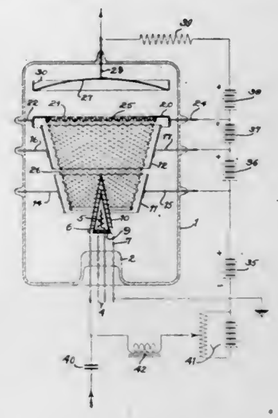
A thermionic tube comprising an envelope having a transparent window in one end thereof, a thermionic cathode of relatively small light obstructing area positioned adjacent said window and adapted to emit a continuous stream of electrons, an apertured grid of picture area positioned to receive light passing through said window and passing by said cathode, said grid being coated on the side facing said window with a photosensitive material and being coated on the opposite side thereof with an insulating material, means for drawing electrons photoelectrically emitted from said photosensitive coating and electrons from said cathode through the apertures of said grid, means for maintaining the electrons drawn through said grid in a beam and in electron image relationship, and means for collecting electrons in successive elemental cross sections of the beam to provide a signal.

2,141,837
MULTISTAGE MULTIPACTOR
Philo T. Farnsworth, San Francisco, Calif., assignor to Farnsworth Television Incorporated, San Francisco, Calif., a corporation of California
Application June 1, 1936, Serial No. 82,888
3 Claims. (Cl. 250—175)



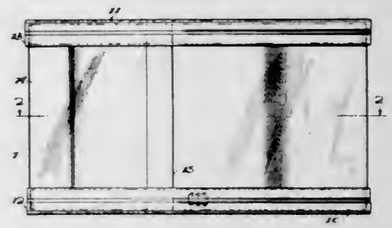
1. An electron multiplier comprising a series of alternately cylindrical and plane secondary electron-emitting surfaces mounted in cascade, each of said cylindrical surfaces and each of said plane surfaces being progressively increased in size from one end to the other in the series, and means for liberating secondaries from the smallest surface.

2,141,838
SPLIT CATHODE MULTIPLIER TUBE
Philo T. Farnsworth, Springfield Township, Montgomery County, Pa., assignor to Farnsworth Television Incorporated, San Francisco, Calif., a corporation of California
Application March 22, 1937, Serial No. 132,326
11 Claims. (Cl. 250—150)



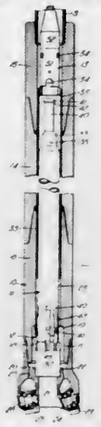
1. An electron tube comprising an envelope containing an apertured anode shaped as a hollow truncated cone, a plurality of electrically separate cathode rings surrounding said anode and mounted one above the other to define a truncated cone coaxial with said anode and of substantially the same extent, electron generating means positioned adjacent the small ends of said cones, and electron collecting means adjacent the large end of said cone.

2,141,839
TRANSPARENT HAT BOX
Lynde De F. Hokerk, Utica, N. Y., assignor to Kerk Guild, Inc., Whitesboro, N. Y., a corporation of New York
Application March 10, 1937, Serial No. 130,199
3 Claims. (Cl. 229—5.7)



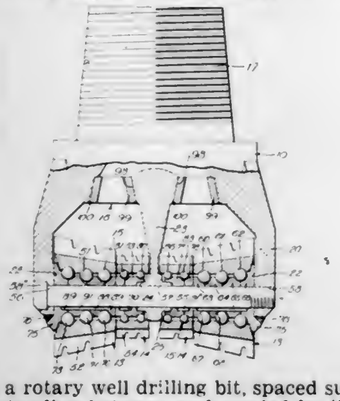
1. A protecting of storing container for hats and other articles comprising a body and a cover or lid, the said body including a flanged bottom, a transparent flexible wall whose lower flexible edge telescopes within the bottom flange, means connecting the lower edge of the wall at spaced points therearound and at the same time allowing limited relative movement of the wall, and an expander within and around the said connected edge of the transparent wall for yieldably pressing the latter into firm uniform contact with the flange of the bottom.

2,141,840
CORE TAKING TOOL
John H. Howard, Whittier, and Alfred C. Catland, Alhambra, Calif.; said Catland assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California
Application February 27, 1937, Serial No. 128,194
8 Claims. (Cl. 255—72)



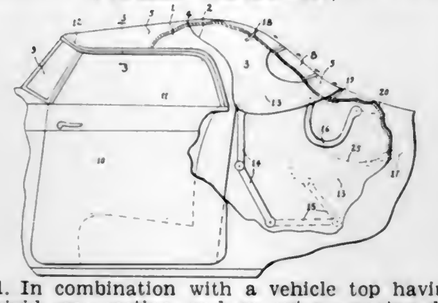
1. A core taking tool of the character described including, a tubular drill, a cutting head on the drill operable to form a core and having a seat, the drill having an internal shoulder adjacent the head, a barrel adapted to be dropped into the drill to rest on the seat to be in position to receive the core, spring latches on the lower part of the barrel for engaging under the shoulder to releasably retain the barrel in the drill, and upwardly projecting parts on the latches to be engaged by a tool run into the drill to effect the release of the latches from the shoulder.

2,141,841
ROTARY ROCK BIT
John H. Howard, Whittier, and Alfred C. Catland, Alhambra, Calif.; said Catland assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California
Application May 24, 1937, Serial No. 144,380
7 Claims. (Cl. 255—71)



4. In a rotary well drilling bit, spaced supports, a pin extending between and carried by the supports, a roller cutter having an opening and surrounding the pin, thrust washers on the pin received in the cutter opening and projecting from the ends of the cutter to bear against the supports, a race member on the pin between the washers and having its ends in abutment with the ends of the washers to space them apart, there being spaced annular grooves in the wall of the opening, there being grooves in the peripheries of the washers and the race member at their abutting ends opposing the races of the opening, and series of balls in the said opposing grooves rotatably supporting the cutter.

2,141,842
VEHICLE TOP
Thomas Paul Lohrman, San Francisco, Calif.
Application October 5, 1936, Serial No. 104,081
2 Claims. (Cl. 296—107)

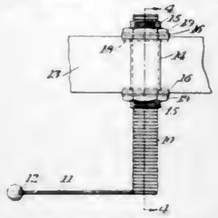


1. In combination with a vehicle top having a rigid rear section, and an outer covering detachably secured to the front section thereof; means for supporting said rear section, comprising pivotal folding brackets operative in conjunction with swinging hinge members; said supporting brackets and hinges being so designed as to permit said rear section to swing down and back within a recessed portion of the vehicle body; and means provided for slackening of the outer covering of said front section prior to detaching of said covering from said front section thereof.

2,141,843
HYDROXYALKYLAMINO COMPOUNDS
Fritz Meyer, Grymes Hill, Staten Island, and Eva Schreiber, née Stege, Great Kills, Staten Island, N. Y.
No Drawing. Application November 20, 1937, Serial No. 175,564
18 Claims. (Cl. 167—65)

3. Water soluble polyhydroxy-alkyl amino aromatic sulonamides, the polyhydroxy-alkyl radical containing a cyclic ether linkage and corresponding to the residue of an aldose having an abnormal ether linkage.

2,141,844
SIGNALING DEVICE
George Foster Reznor, Mercer, Pa.
Application December 29, 1933, Serial No. 704,454
9 Claims. (Cl. 116—28)

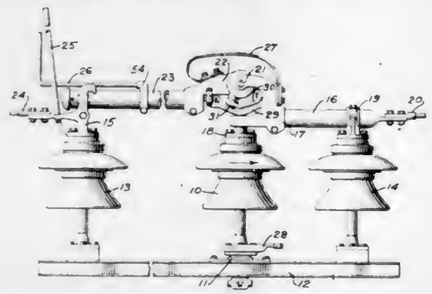


6. The combination with a motor vehicle, of a device movably mounted thereon and adapted to engage a curbstone or the like upon mere close approach of the vehicle to such curbstone, and means for indicating such engagement to the driver.

2,141,845
METHOD OF TREATING FIBROUS MATERIAL
Walther Schrauth, Berlin-Dahlem, Germany
No Drawing. Application June 1, 1936, Serial No. 82,917. In Germany July 27, 1928
9 Claims. (Cl. 19—66)

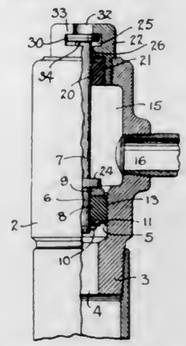
1. The method of treating natural or finished artificial textile fibres or fabrics to enhance their fitness for working and to improve their quality which comprises applying thereto an emulsion of alcohol of the group consisting of the primary aliphatic alcohols containing 8 to 30 carbon atoms in the molecule and the naphthenic alcohols with a sulfonate of an alcohol of such group.

2,141,846
HIGH TENSION SWITCH
August C. Schwager, San Francisco, Calif., assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif., a corporation of California
Application March 16, 1937, Serial No. 131,191
9 Claims. (Cl. 200—48)



1. In a switch of the character described, the combination of a switch blade pivotally mounted at one end upon a suitable support and having an expandible end, a contact having opposed stationary contact forming surfaces between which the expandible end of said switch blade is adapted to move, expanding means at the contact engaging end of said switch blade adapted to expand the end thereof into high pressure contact with the opposed stationary surfaces of said contact, an operating member pivotally mounted intermediate the ends of said switch blade and movable with the switch blade in an arc about the pivotal axis of the switch blade, a rod forming an operating connection from said member to the expanding means at the end of the switch blade, a rotatable shaft for imparting movement to said switch blade extending substantially at a right-angle to said switch blade when said switch blade is in its closed circuit position and having its axis intersecting the pivotal axis of said switch blade, and means carried by said rotatable shaft movable in an arc intersecting the arc of movement of the operating member upon the switch blade, said means being adapted to engage and move said operating member about its pivotal mounting upon the switch blade to transmit a blade expanding force through said rod to the expanding means at the end of the switch blade as the switch blade reaches its final closed circuit position between the opposed stationary contact forming surfaces of said contact.

2,141,847
RELIEF VALVE
Joseph A. Tennant, Houston, Tex., assignor to Abercrombie Pump Company, Houston, Tex., a corporation of Texas
Original application July 8, 1933, Serial No. 679,468, now Patent No. 2,092,818, dated September 14, 1937. Divided and this application March 22, 1937, Serial No. 132,332
2 Claims. (Cl. 137—53)

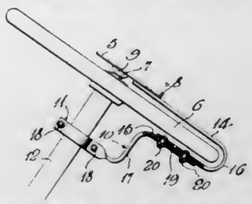


2. A shear relief valve including a housing, a valve member therein, a stem on said member, a cap on said housing having a passage therethrough for said stem, a transverse slot extending laterally into said cap and across said passage, said slot being wider than said passage so as to provide a groove around said passage, and a shear disc slipped laterally into said slot to seat in said groove and receive the end of said stem to resist movement of said valve stem.

2,141,848
SOOT REMOVER
Elmer Wade Adams, Hammond, Frank K. Ovitz, Whiting, and Edwin G. Wiley, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application June 29, 1936, Serial No. 87,954
12 Claims. (Cl. 44—8)

1. A liquid composition for removing soot from oil burning furnaces comprising a fuel oil and an oil-soluble metallic derivative of a petroleum acid having as the metal constituent an element selected from the group consisting of copper, calcium, lead and zinc.

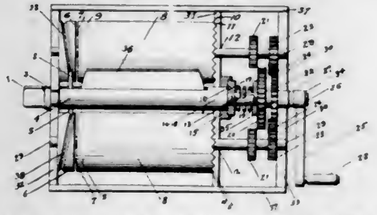
2,141,849
STEERING WHEEL TABLE
Harry A. D. Baer, Allentown, Pa.
Application August 5, 1937, Serial No. 157,616
1 Claim. (Cl. 45—58)



An attachment of the class described comprising a metal strip offset between its ends in the direction of its thickness providing it with upper and lower arm portions, the lower arm portion being given a quarter twist near its inner end,

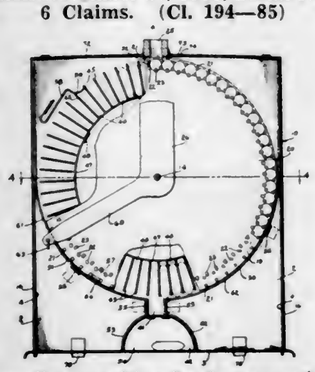
the portion of said lower arm between said twist and the free end of the arm being curved to provide a clamp member to lie against one side of a steering column, a second clamp member to lie against the opposite side of the steering column, and means for connecting said clamp members; a second metal strip bent in the direction of its thickness into U-shape providing it with upper and lower arms to straddle the rear portion of a steering wheel, said lower arm being shorter than said upper arm and being overlapped with said upper arm portion of the first mentioned strip, adjusting means connecting said lower arm with said upper arm portion and constructed to allow relative longitudinal adjustment thereof, and an article-supporting plate secured to said upper arm of said second strip to overlie the central portion of the steering wheel.

2,141,850
SHARPENING DEVICE
William Adelbert Barry, Houston, Tex.
Application August 17, 1931, Serial No. 557,628
Renewed Oct. 27, 1937
17 Claims. (Cl. 51—41)



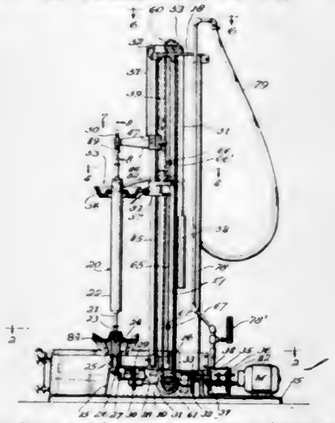
1. A sharpening device for razor blades having a rotatable sharpening roller, blade-holding means located in said device to hold a blade edge in proper razor blade sharpening engagement with said roller, means including a shaft to support and rotate said roller, means to reciprocate said roller longitudinally on its shaft to produce reciprocations of small amplitude, additional means in said device to produce longitudinal reciprocations parallel to the axis of said roller and of large amplitude of said blade holding means; as compared with the reciprocations of small amplitude of said roller means to selectively vary the pressure of the blade on said roller.

2,141,851
VENDING MACHINE
Dallas B. Benham, Minneapolis, Minn.
Application November 27, 1936, Serial No. 112,879
6 Claims. (Cl. 194—85)



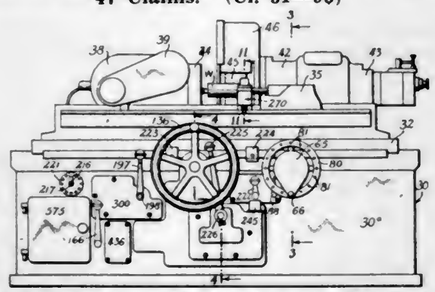
1. A vending machine having an outer casing, having therein a rotatable disc having on opposite faces respectively a series of coin pockets and a series of commodity receptacles, said disc forming one side of all receptacles and a wall of said outer casing forming the other side of all receptacles, a pivoted disc-rotating arm having means for guiding a coin into one of the coin pockets and further having means co-operative with a coin when in the pocket to cause the coin to rotatably advance the disc and bring a receptacle into commodity-delivery position.

2,141,852
MACHINE FOR COATING PRINTERS' ROLLERS
Carl G. Bingham, Highland Park, Ill., and Adolph R. Zimmer, Kansas City, Mo., assignors to Sam'l Bingham's Son Mfg. Co., Chicago, Ill., a corporation of Illinois
Application December 24, 1936, Serial No. 117,630
12 Claims. (Cl. 91—46)



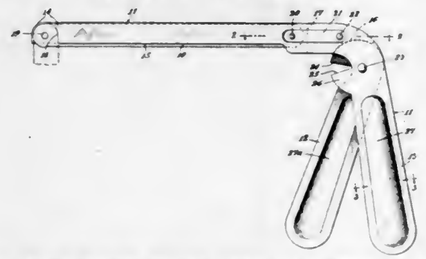
1. A roller coating device comprising an applicator adapted to surround and descend along a printer's roller to be coated, the applicator comprising an inner reservoir surrounding the roller, a washer at the bottom thereof sealing against the periphery of the roller, and an outer reservoir surrounding said inner reservoir and into which the inner reservoir overflows throughout the periphery of the latter.

2,141,853
GRINDING MACHINE
Carlton Eugene Brown, Cincinnati, Ohio, assignor to Cincinnati Grinders Incorporated, a corporation of Ohio
Application January 18, 1936, Serial No. 59,711
47 Claims. (Cl. 51—95)



1. In apparatus of the character described, in combination, means for supporting and rotating a round work piece, a grinding wheel for operation upon the latter, means mounting said supporting means and said grinding wheel for relative movement therebetween in a direction to effect relative traversing between the work piece and the grinding wheel and also in a direction transversely to the axis of rotation of the work piece, means for driving said grinding wheel, means driven from said wheel-driving means and including a clutch for effecting relative reciprocation between said grinding wheel and said work piece in said first direction, means set into operation substantially concurrently with an actuation of said clutch to effect relative movement rapidly between said grinding wheel and said work piece in said first direction to bring the two into substantial operative relation, means responsive to the achievement of said operative relation for halting said last-mentioned relative movement, a dimension-gaging device for operation upon the work piece, and means responsive to the achievement of a certain gaging indication of said device for effecting a rapid separating relative movement between said wheel and work piece and for actuating said clutch to halt said reciprocating movement.

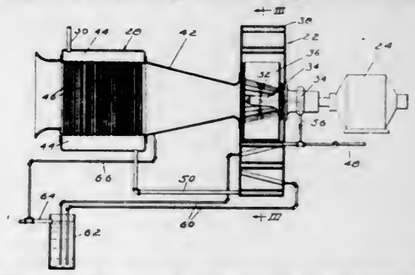
2,141,854
CUTTING IMPLEMENT
Nicholas V. Casson, New York, N. Y.
Application January 20, 1938, Serial No. 185,851
10 Claims. (Cl. 30—144)



5. A hack-saw frame having a plate-like portion at one end extended laterally to form part of the thickness of a handle; an auxiliary plate pivotally mounted on said portion for increasing the thickness of the handle, said plate being pivoted to said portion near the end of the handle remote from its free end, and the two handle parts, along a grip length of the handle between the free end thereof and the point of pivoting of the plate thereon, being of substantially the same width and having front and rear edge shapings which substantially match when said plate is in its normal position on said portion; and shear means including a cutting edge on said portion and an oppositely facing coacting cutting edge on said plate, each of said edges extended at an angle to the general line of extension of said grip length, whereby said shear means is operable by relative movement between said portion and said plate about the point of pivotal connection therebetween.

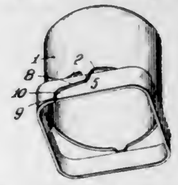
2,141,855
AIR CONDITIONING SYSTEM
Adiel Y. Dodge, South Bend, Ind.
Application November 12, 1936, Serial No. 110,437
5 Claims. (Cl. 261—11)

1. An air conditioning system for a building having a basement and a system of ducts connecting the basement to points within the building comprising a centrifugal blower in the basement having an inlet opening communicating therewith, and an outlet opening communicating with said duct system, means for circulating water in heat transferring relationship to the blower



walls, a radiator unit connected to receive water from said means and lying in the blower inlet, and a discharge pipe connected to said unit to spray water over the roof of the building.

2,141,856
METHOD OF MAKING RECEPTACLE SEALING CAPS
Edward H. Fabrice, Chicago, Ill., assignor to Guardian Safety Seal Company, Chicago, Ill., a corporation of Illinois
Application March 26, 1936, Serial No. 70,959
2 Claims. (Cl. 113—121)

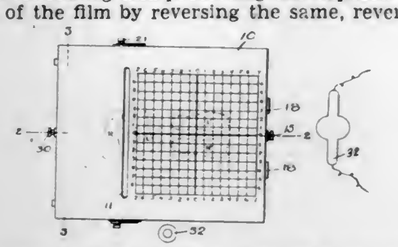


1. The herein described method of making sheet metal sealing caps for receptacles which consists in first producing a cap structure presenting a substantially cylindrical skirt portion, then cutting a series of slots in said skirt portion between the ends thereof and extending circumferentially thereof in a plane disposed perpendicularly to the axis of said skirt portion whereby to partially separate the lower from the upper skirt portion, expanding and distorting the portions of the said lower skirt portion disposed below said slots to render said lower end portion non-cylindrical in horizontal section and cause the same to define a larger area than is defined by the upper skirt portion, partially severing the unbroken portions of said skirt lying between said slots and partially severing said lower skirt portion at a point below one of said slots and from its upper to its lower end, to render the latter digitally severable at said last-named point and for weakening said unbroken portions to enable the latter to be digitally severed following severance of said lower skirt portion for detaching the latter from said upper skirt portion.

2,141,857
METHOD AND APPARATUS FOR TAKING X-RAY PHOTOGRAPHS
Felton O. Gamble, Westmont, N. J.
Application March 4, 1937, Serial No. 129,067
16 Claims. (Cl. 250—53)

1. The herein described method of taking X-ray photographs, which consists in concealing and protecting a portion of a film while the other portion is exposed to record one of two feet in normal standing or weight-supporting position,

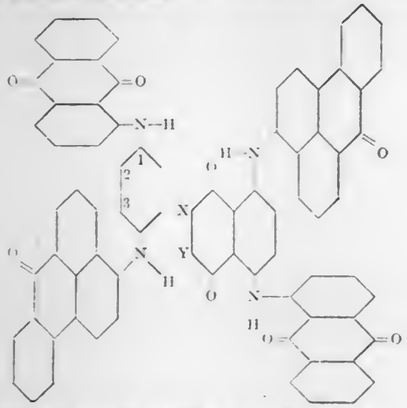
then concealing and protecting the exposed portion of the film by reversing the same, reversing



the position of the feet and making an exposure of the other foot on the previously concealed portion of the film for the purpose of comparison.

2,141,858
VAT DYESTUFFS OF THE ANTHRAQUINONE SERIES
Donald P. Graham, South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 5, 1938, Serial No. 183,457
2 Claims. (Cl. 260—274)

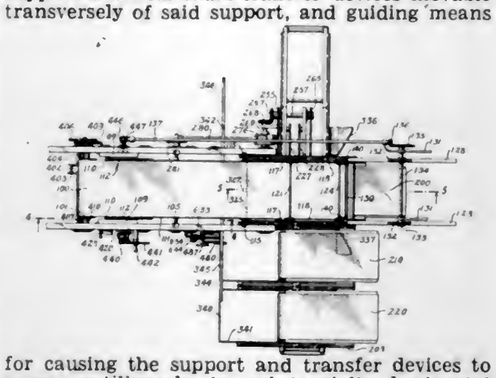
1. The dyestuffs resulting from the caustic alkali condensation of the products of the following general formula



where the carbon atoms 1, 2, 3, 4, X and Y compose one benzene ring of the center anthraquinone nucleus, which dye cotton in yellow-olive shades of good fastness properties.

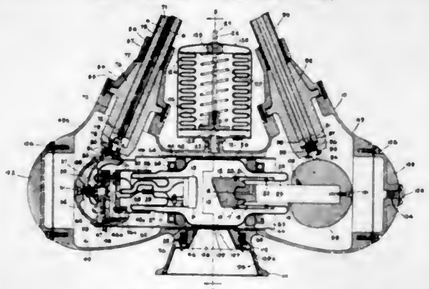
2,141,859
APPARATUS FOR USE IN MANUFACTURING BISCUIT AND THE LIKE
Thomas L. Green, Indianapolis, Ind.; James W. Noel, executor of said Thomas L. Green, deceased
Application April 22, 1933, Serial No. 667,391
Renewed May 17, 1938
23 Claims. (Cl. 107—7)

6. Apparatus of the character described comprising, in combination, main delivery means delivering biscuit in one alignment; receiving means at an oven having biscuit-receiving areas in a plurality of different alignments; a plurality of transfer means, having a surface to receive, support and carry the biscuit, movable from alignment with the main delivery means into alignment with said respective receiving means, for transporting biscuit in batches from delivering to receiving means; and actuating mechanism for said elements; the transfer means comprising a support and individual transfer devices movable transversely of said support, and guiding means



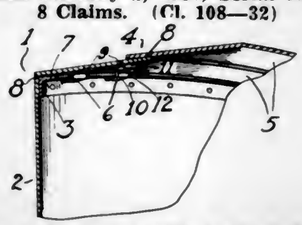
for causing the support and transfer devices to move rectilinearly in substantially horizontal plane.

2,141,860
SHOCKPROOF RADIOGRAPHIC TUBE
Malvern J. Gross and Zed J. Atlee, Chicago, Ill., assignors to General Electric X-Ray Corporation, a corporation of New York
Application March 22, 1935, Serial No. 12,428
13 Claims. (Cl. 250—88)



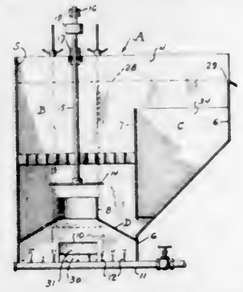
1. In combination, an X-ray tube, an X-ray transparent insulating sleeve fitting closely thereabout, a sleeve of material opaque to X-light about said insulating sleeve and having an aperture for the passage of a pencil of useful X-rays, a tube enclosing casing having an aperture registering with the aperture in said sleeve of opaque material, and a plug having a window therein and inserted into the apertures in said casing and said opaque sleeve for retaining the opaque sleeve and casing in proper alignment.

2,141,861
TANK ROOF SEAM
Frederick Hahn, Union, and Leo W. Schrader, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application January 2, 1937, Serial No. 118,706
8 Claims. (Cl. 108—32)



1. In a roof for storage tanks including a separable portion and a portion fixedly secured to the tank wall, a means for joining said portions comprising a plurality of clip members secured in spaced relation circumferentially of one portion and forming therewith a series of slots adapted to receive in frictional engagement the adjoining edge of the other portion, the span of said separable portion being variable under positive pressure from within the tank, to an extent sufficient to disengage said portion from the portion fixedly secured to the tank wall.

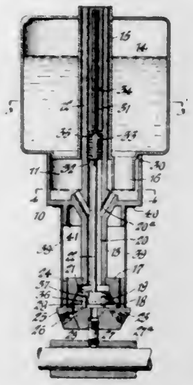
2,141,862
FLOTATION MACHINE
Robert G. Hall, San Francisco, Calif.
Application December 16, 1936, Serial No. 116,155
4 Claims. (Cl. 209—168)



1. In an apparatus of the character described, an ore pulp receiving tank, a cross-partition therein dividing the tank into a circulating well and a settling well, a housing adjacent the bottom of the circulating well having an inlet at the lower end and a submerged outlet at the upper end, a plurality of air nozzles in the housing for directing air upwardly through the outlet of the housing to introduce the air required for frothing and to maintain continuous circulation of the ore pulp, a rotary disk disposed above the outlet centrifugally to project and atomize matter directed against it by the outlet of the housing, said disk causing the formation of a froth whereby concentrates in the ore pulp are floated to the surface of the circulating well and are caused to flow over to the setting well, means for directing material from the settling well back to the inlet of the housing for recirculation, means for delivering pulp to be treated to a point adjacent the inlet of the housing, and a gate-regulated submerged discharge for control of the pulp discharging after treatment.

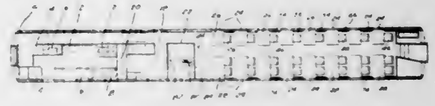
2,141,863
AUTOMATIC LUBRICATING DEVICE
Mark C. Hammond, Bradford, Pa., assignor to Lec Engineering Corporation, Smethport, Pa., a corporation of New York
Application April 19, 1935, Serial No. 17,293
13 Claims. (Cl. 184—68)

1. A lubricating device of the character described, comprising a heat-sensitive casing having a lubricant-receiving compartment and a lubricant discharge duct communicating therewith and having a valve-seat therein, a valve adjustable relatively to said seat to regulate the discharge of the lubricant, means for holding the valve against rotation, means for adjusting said valve axially toward and from its seat to regulate the normal flow of lubricant to the bearing, and a coupling in detachable engagement with said casing for connecting the casing in thermal contact with the bearing and for conducting the lubricant to the bearing, whereby the relative movements of the valve and valve-seat are automatically modified in accordance with tempera-



ture changes of the bearing, said casing and said valve being of materials having different coefficients of expansion.

2,141,864
CONVERTIBLE RAILWAY VEHICLE
Charles Harwood, Jr., Rye, N. Y.
Application June 23, 1937, Serial No. 149,803
2 Claims. (Cl. 105—327)

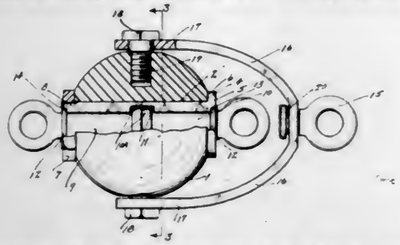


1. A combined railway diner and intertainment vehicle provided with dining tables and with movable chairs located upon one side only of the respective dining tables, successively stepped platforms each accommodating a table and its associated chair or chairs, correspondingly stepped windows arranged adjacent to the respective dining tables and providing recesses into which said tables may be folded, when not in use, for the purpose of excluding light, said car being also provided with recesses located between said windows and in line with the chairs on the respective platforms when used for dining, and benches foldable into said recesses, each of said benches being provided with one more seat than there are chairs for the associated table, thereby providing for an arrangement of the bench seats and chairs on each platform in a symmetrically staggered relation to each other when the table has been folded into its window recess, the chairs have been moved forward into the table position and the bench has been lowered into the former chair position.

2,141,865
SWIVEL
Henry Hermann, Myrtle Point, Oreg.
Application June 30, 1937, Serial No. 151,201
6 Claims. (Cl. 59—95)

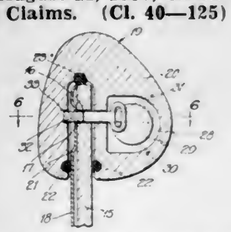
4. A swivel comprising a pair of eye bolts having holding means at corresponding ends, a pair of members gripping the eye bolts and having portions receiving the holding means and securing them against movement from one another, an

outer member within which the members are seated securing the members in co-operative re-



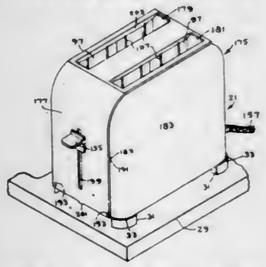
lationship with one another, and swivel means connected to the outer member.

2,141,866
LICENSE PLATE HOLDER DEVICE
Alexander C. de Hoffmann, New York, N. Y.
Application August 11, 1937, Serial No. 158,467
6 Claims. (Cl. 40—125)



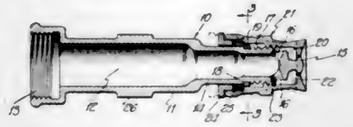
6. In combination, an automobile license plate, a fixed flat holder member, a lock device including a bifurcated body fitting over the edges of said license plate and holder member, yieldable cushion means carried by and extending beyond the inner walls of said bifurcated body in bearing engagement with the edges and outer sides of said license plate and holder member, and lock means carried by said body for locking said license plate and holder member together.

2,141,867
ELECTRIC TOASTER
Murray Ireland, St. Paul, Minn., assignor to McGraw Electric Company, Chicago, Ill., a corporation of Delaware
Application June 30, 1937, Serial No. 151,221
11 Claims. (Cl. 53—5)



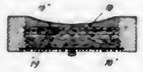
1. A toaster comprising a base, supporting means for the base, a toasting chamber structure on the base, an outer casing substantially enclosing and concealing the toasting chamber structure and the base, the lower marginal edge of the outer casing engaging and being supported by said supporting means and means to hold the outer casing, toasting chamber structure, base and supporting means in definite operative relationship.

2,141,868
HOSE NOZZLE
Edmund J. Kenney, North Plainfield, N. J.
Application February 11, 1937, Serial No. 125,201
1 Claim. (Cl. 299—131)



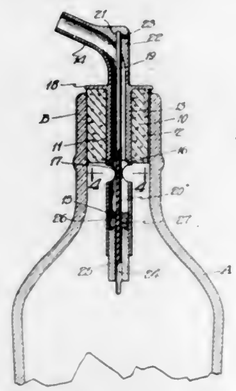
A hose nozzle comprising in combination, a relatively long tubular spindle-like body having an enlarged hose attaching base at the inner end thereof and also having a reduced cylindrical outer end provided with a restricted discharge outlet, the intermediate portion of the body between said attaching base and reduced outer end constituting a hand grip, a valve element carried by and extending beyond the tip end of said spindle-like body and disposed axially relative thereto, said reduced end of the body including an external threaded portion adjacent the valve element, a relatively short stream control head, internal threads provided on the reduced end of said spindle-like body and threadedly engaging the external threaded portion on said body and having a flared discharge orifice in the outer end thereof and disposed axially with respect to said spindle-like body, the walls of said discharge orifice adapted to coact with said valve element to regulate the stream of water discharged from the nozzle, an annular recess in the exterior of the reduced end of the body at the inner end of the threaded portion thereof, a stop ring seated in said recess, an enlarged internally threaded portion at the inner end of said control head, a shoulder at the inner end of the enlarged internally threaded portion, and a packing gland threaded to the internal threaded portion of the control head and having a working fit on the reduced end of the spindle-like body inwardly of the threaded portion thereof and embodying a packing gasket arranged to constantly abut the inner end of said packing gland and said shoulder and to abut the stop ring when the control head has been turned to the limit of its outward movement, said stop ring operating to compress the gasket when engaged thereby to increase the sealing action of the gasket.

2,141,869
PERFORATION OF INSULATING SUBSTANCES BY SPARK DISCHARGES
Fritz König, Soest, Germany
Application April 5, 1937, Serial No. 135,114
In Germany April 4, 1935
9 Claims. (Cl. 175—265)



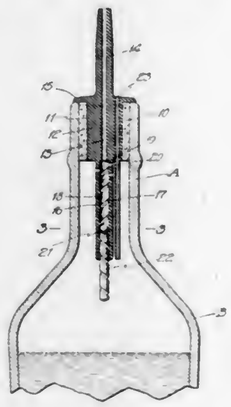
4. In an apparatus for producing fine perforations in micro-porous sheets by means of electric spark discharges, means for generating high tension electric current, a pair of plates of insulating material mounted in spaced relation, a plurality of wires embedded in said plates, the wires of one plate being aligned with the wires of the other plate and forming a plurality of perforating spark gaps therewith, and means for passing sheets to be perforated between said plates.

2,141,870
COMBINED BOTTLE STOPPER AND LIQUID MEASURING DEVICE
Louis Koukal, New York, N. Y.
Application September 9, 1937, Serial No. 162,961
9 Claims. (Cl. 221—98)



1. A device of the class described comprising in combination, a plug stopper, a tube passing through said stopper and having a pouring spout at the outer end thereof, said tube having inlet openings therein inwardly of the inner end of said stopper, a valve seat within said tube outwardly of said inlet openings, a gravity valve member arranged within said tube inwardly of said valve seat, and a spiral threaded element to which said gravity valve member is threadedly connected.

2,141,871
COMBINED BOTTLE STOPPER AND MEASURING DEVICE
Louis Koukal, New York, N. Y.
Application September 25, 1937, Serial No. 165,723
9 Claims. (Cl. 221—147)

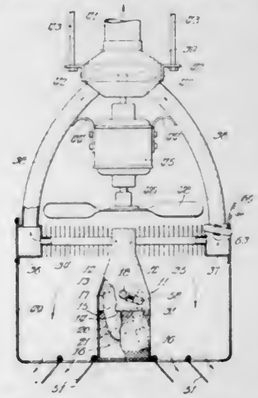


1. A device of the class described comprising in combination, a closure member having a pouring outlet passage therein, a valve seat at the inner end of said passage, a ball valve member, and spiral track means for guiding said ball valve member toward and away from said valve seat during alternate inversion of the device.

2,141,872
COMPOUNDS OF THE PYRAZOLANTHRONE SERIES
Ralph N. Lulek, Milwaukee, and Earl E. Beard, South Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 24, 1936, Serial No. 65,420
4 Claims. (Cl. 260—312)

1. As a new compound, 1,9-pyrazolanthrone containing in the 6 position a group of the class consisting of —COOH and —COCl.

2,141,873
HEATING APPARATUS
Arthur B. Modine, Racine, Wis., assignor to Modine Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application August 29, 1936, Serial No. 98,604
3 Claims. (Cl. 126—110)

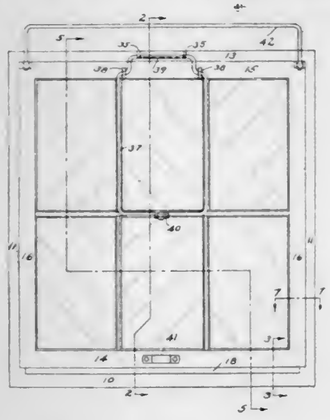


1. In a heating apparatus, the combination of a combustion chamber, a plurality of flues communicating therewith and extending in opposite directions therefrom, a plurality of headers connected, respectively, to said oppositely extending flues, a casing spaced from said chamber, a plurality of conduits communicating with said casing and headers, a fan in said casing for drawing the products of combustion from said chamber into said casing and discharging them therefrom, and a second fan between said casing and combustion chamber for circulating currents of fresh air only past said headers, flues and chamber along a plurality of sides thereof.

2,141,874
WINDOW FRAME AND SASH
John B. Olson and John P. Bethke, Fort Atkinson, Wis., assignors to James Manufacturing Company, Fort Atkinson, Wis.
Application July 20, 1936, Serial No. 91,478
5 Claims. (Cl. 189—67)

1. A device of the class described, comprising a frame and a sash therefor, each formed by similarly shaped and positioned Z bar irons whereby adjacent flanges contact when the sash is closed, the side members of said sash and frame being spaced to thereby form closures for the length of the sash when the sash is closed, guide members attached to the sides of said frame and adapted to cooperate with the outer flanges thereof and extending a distance from the bottom of the frame to thereby form guide channels, guide pins secured to the bottom of said sash which project

into said guide channels, links positioned in said closures having their upper ends pivotally attached to said frame near the top thereof and having their lower ends pivotally attached to said sash at a point above the top of said guide chan-



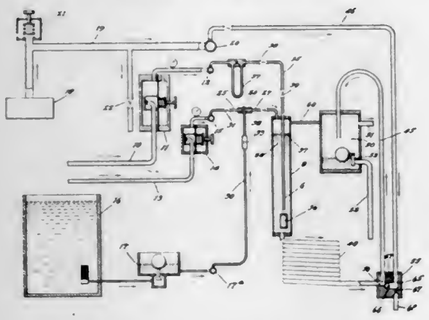
nels when the sash is closed whereby when the top of said sash swings open on said links said pins will act as guides for the lower end of the sash, spaced stops in said guide channels adapted to engage said pins whereby said sash may rest thereon in selective positions.

2,141,875

METHOD OF MAKING AIR-VAPOR MIXTURES

Gerald D. Peet, Montclair, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey

Application June 9, 1936, Serial No. 84,333
3 Claims. (Cl. 23—205)



1. The method of producing air-vapor mixtures containing only very small proportions of vapor, which comprises introducing a flow of solution of the vapor in a relatively non-volatile solvent into a high velocity current of air flowing upwardly along an imperforate passageway, the pressure and volume of air being sufficient to produce a continuous climbing film on the wall of such passageway carried along with the air, the ratio of rate of supply of the vapor in solution to the rate of supply of the air being far below that required to reach an equilibrium between the distribution of the vapor in the air and in the solution in order to permit the air to extract the greater part of the vapor from the solution, and then separating the vapor-laden air from the spent solution.

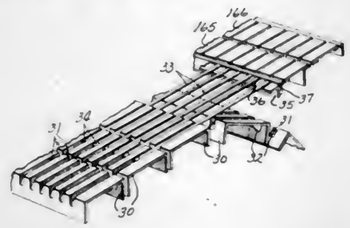
2,141,876

CONVEYER

Frank P. Perkins, Waukesha, Wis., assignor to Michael Yundt Company, Waukesha, Wis., a corporation of Wisconsin

Application October 19, 1935, Serial No. 45,694
1 Claim. (Cl. 198—20)

A device of the character described comprising a main conveyer including a plurality of cross members, means for flexibly interconnecting said cross members, means for supporting and driving said main conveyer, said main conveyer having its upper article supporting run horizontally disposed, the cross members of said main conveyer having a plurality of transversely spaced, parallel, longitudinally alined supporting surfaces adapted to support articles on the horizontal run of said main conveyer in an upright position, an unloading conveyer at the discharge end of said main conveyer, said unloading conveyer also having its article supporting run horizontally disposed and level with the article supporting run of the main conveyer, a plurality



of transversely spaced, horizontally disposed bridging elements extending between the discharge end of the main conveyer and the unloading conveyer, supporting means for the said bridging elements disposed below the article supporting surfaces thereof, said bridging elements having free ends extending into the spaces between the supporting surfaces of said cross members, the top surfaces of the portions of said bridging elements accommodated in said spaces being substantially coplanar with the article supporting surfaces of the main conveyer and unloading conveyer so that articles carried along the main conveyer will be pushed across the bridging elements and on to the unloading conveyer without striking or catching upon any obstructions of the device.

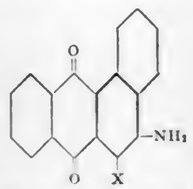
2,141,877

COMPOUNDS OF THE BENZANTHRAQUINONE SERIES

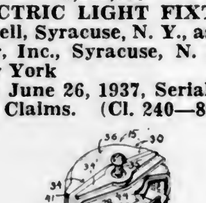
William L. Rintelman, Carrollville, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 31, 1937, Serial No. 156,705
4 Claims. (Cl. 260—365)

1. The 3-amino-1,2-benzanthraquinone sulfides and disulfides of the following general formula



wherein X stands for a radical of the class consisting of —SH, —SM, —SSH, —SSM, —SSHal, and



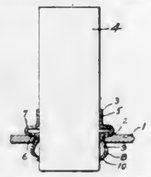
and M stands for an alkali-metal.

2,141,878

FASTENER MEMBER AND INSTALLATION OF THE SAME

William G. Roby, Park Ridge, Ill., assignor to Cinch Manufacturing Corporation, Chicago, Ill., a corporation of Illinois

Application January 19, 1937, Serial No. 121,302
4 Claims. (Cl. 248—56)



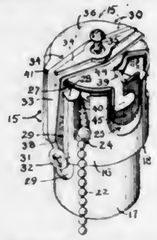
1. A fastener secured installation comprising a support having an aperture, a fastener member having an axial passage therethrough, said fastener member having a support-engaging means in engagement with the material of said support adjacent said aperture at one side, yieldable portions extending through said aperture, at least two of said yieldable portions having inwardly-disposed portions intersecting said axial passage, and an article of manufacture extending through said axial passage and engaging said inwardly-disposed portions to spread said yieldable portions whereby said yieldable portions are locked against contraction and in engagement with said support.

2,141,879

ELECTRIC LIGHT FIXTURE

Mark N. Russell, Syracuse, N. Y., assignor to Pass & Seymour, Inc., Syracuse, N. Y., a corporation of New York

Application June 26, 1937, Serial No. 150,441
7 Claims. (Cl. 240—85)



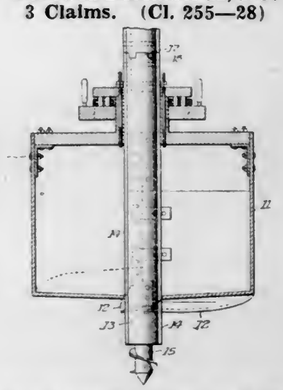
1. An electric light fixture of ceiling-band type comprising a shell having an internal open-centered flange for positioning a lamp-receptacle, and a lamp-receptacle structure for making demountable clamping connection with said flange; said receptacle having an insulating body provided with a neck-portion adapted to be passed downwardly through the opening of said flange and an upper portion providing at its bottom a shoulder adapted to bear directly on the upper side of said flange; and clamping means carried by said body and movable axially thereof, said clamping means including a pair of clamp-dogs normally positioned below the flange level and adapted to engage the underside of said flange when moved upwardly, arms extending from said clamp-dogs upwardly along said body and above it, and a single manipulative means accessible from above the receptacle body operatively associated with both said arms to raise and lower the clamp-dogs into and out of clamping engagement with the underside of said flange.

2,141,880

AUGER SHAFT

Hilmar E. Satre, Chicago, Ill., assignor, by mesne assignments, to First Caisson Machinery & Boring Co., Chicago, Ill., a corporation of Illinois

Application May 5, 1934, Serial No. 724,130
Renewed December 11, 1937
3 Claims. (Cl. 255—28)



1. A sectional auger guiding and driving shaft for a machine of the character described, comprising a plurality of shaft sections having their circumferential surface interrupted by oppositely disposed longitudinally extending guiding ribs, the shaft sections hollowed at their adjacent ends with their terminal edges provided with interfitting projections and notches whereby to prevent relative rotation of the adjacent shaft sections and to align the ribs, a plug member arranged within the hollow portions of the shaft sections to bridge the interfitting projections, and securing elements extending transversely of the plug member and the shaft sections and into the ribs, the ribs being replaceable.

2,141,881

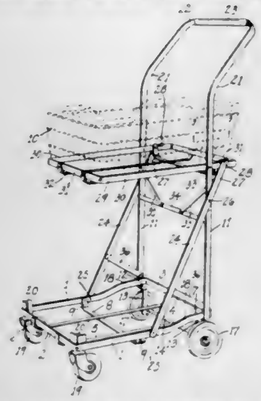
BASKET CARRYING CART

Walter H. Schray, Battle Creek, Mich., assignor to United Steel and Wire Company, Battle Creek, Mich., a corporation of Michigan

Application March 21, 1938, Serial No. 197,171
8 Claims. (Cl. 280—36)

1. In a cart, the combination of a base frame comprising integral side and end members, the side members having upwardly offset portions at their rear ends, a bottom comprising longitudinal and cross pieces carried by said base frame side and end members, uprights secured to the rear ends of said frame side members and having inwardly offset portions projecting below the side members constituting axle hangers, the upper ends of said uprights being bent rearwardly and connected providing a handle bar, an axle carried by said axle hangers, wheels on said axle arranged on the outer sides of said axle hangers and below the upwardly offset rear portions of said base frame side members, caster wheels provided with caster sockets secured within the forward angles of said base frame, rearwardly inclined braces connected to the side members of

said base frame and to said uprights, the upper ends of said braces being extended upwardly and rearwardly and terminating in inturned stops, and a receptacle holder pivotally mounted be-



tween said uprights and adapted to be swung upwardly to an upright collapsed position between the uprights or to be swung to a horizontal operative position in supporting engagement with said stops on said braces.

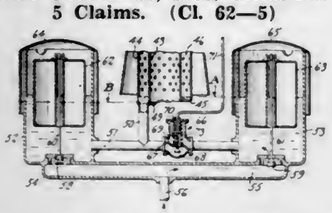
2,141,882

REFRIGERATION

Harry C. Shagaloff, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Application October 20, 1936, Serial No. 106,501

5 Claims. (Cl. 62—5)



1. The combination with a refrigeration system having a generator adapted to be heated, a condenser, an absorber, an evaporator, and interconnecting conduits forming a closed system for circulation of fluids, expulsion of refrigerant and evaporation of refrigerant to produce refrigeration, said system being so constructed and charged that the quantity of refrigeration produced is a function of the quantity of heat supplied to the generator; of a liquid fuel combustion device for heating said generator by vaporization of fuel oil to supply heat to the generator in proportion to the level of oil in the combustion device, and apparatus for feeding oil to said combustion device including a plurality of constant level devices each adapted to maintain a different liquid level in said combustion device, and means for connecting and disconnecting at least one of said constant level devices with respect to said combustion device responsive to a temperature condition affected by said refrigeration system.

2,141,883

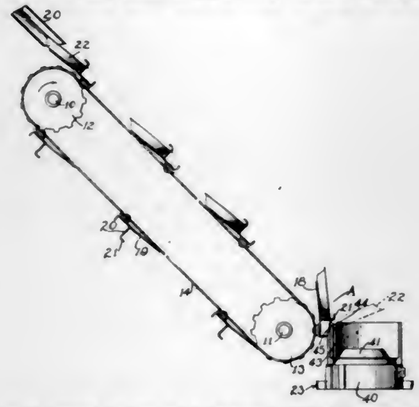
CONVEYER

Paul R. Simmons, Warsaw, Ind., assignor to Simmons Paper Products, Inc., Warsaw, Ind., a corporation of Indiana

Application February 15, 1937, Serial No. 125,745

1 Claim. (Cl. 198—156)

The combination with an applicator having a slotted cylindrical wall, of a conveyer for plates and the like comprising a pair of endless traveling members, cross bars secured thereto and plate receiving and supporting means attached



to said cross bars and having plate supporting and engaging fingers arranged to pass through the slots in said cylindrical wall and to cooperate with said wall to deliver said plates in inverted position onto said applicator.

2,141,884

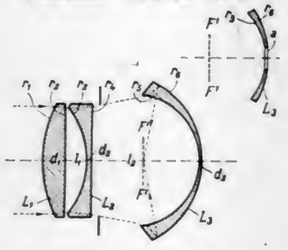
PHOTOGRAPHIC OBJECTIVE

August Sonnefeld, Jena, Germany, assignor to the firm Carl Zeiss, Jena, Germany

Application November 5, 1937, Serial No. 172,993

In Germany November 12, 1936

1 Claim. (Cl. 88—57)



			n_d	ν
$r_1 = +\ 230$	$d_1 = 14$	L_1	1.505	64.8
$r_2 = -3400$	$l_1 = 40$			
$r_3 = -\ 156$	$d_2 = 10$	L_2	1.620	36.3
$r_4 = +5200$	$l_2 = 200$			
$r_5 = -\ 121$	$d_3 = 5$	L_3	1.505	64.3
$r_6 = -\ 162$				

A photographic objective comprising, in combination and axially spaced from each other, a front convergent lens, a divergent lens, and a convergent mirror lens, said divergent lens lying between said front lens and said mirror lens, the concave side of said mirror lens facing said divergent lens, said front lens and said divergent lens having an axial distance apart greater than one tenth of and smaller than half the focal length of the objective, said divergent lens and said mirror lens having an axial distance apart greater than and at most three times the focal length of the objective, the radius of curvature of the reflecting surface of said mirror lens being at least one-and-a-fourth times and at most one-and-a-half times the radius of curvature of the refractive surface of said mirror lens, and the radius of curvature of the refractive surface of said mirror lens being at least three quarters of and at most one-and-a-third times the focal length of the objective.

2,141,885

PLASTICIZING PRODUCT OR PLASTIC

Henry P. Straus, New York, N. Y., assignor to Woburn Degreasing Company of New Jersey, Kearny, N. J., a corporation of New Jersey

No Drawing. Application October 24, 1935, Serial No. 46,610

3 Claims. (Cl. 260—406)

1. A method of producing a plasticizing product or plastic which comprises subjecting an unsaturated fatty acid obtainable from oils of the class consisting of linseed, perilla, fish, tung and oiticica oil, to an oxidizing treatment in the presence of a liquid hydrocarbon solvent in which the resulting oxidized fatty acid is insoluble, and separating the resulting precipitate from said solvent.

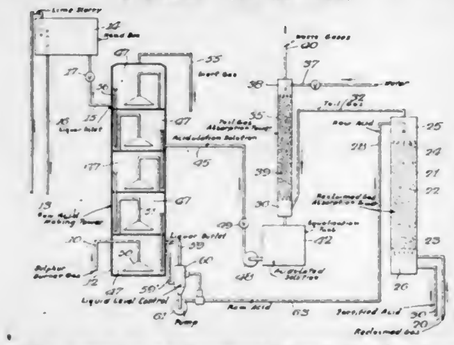
2,141,886

RECLAIMED GAS RECOVERY PROCESS

Walter H. Swanson, Neenah, and Donald C. Porter, Appleton, Wis., assignors to Paper Patents Company, Neenah, Wis., a corporation of Wisconsin

Application October 11, 1935, Serial No. 44,578

1 Claim. (Cl. 23—131)



The steps in an improved method of recovering sulphur dioxide contained in tail gas from a sulphite digesting process and making raw acid of a constant strength so as to eliminate ordinary adjustments in the flow of the burner gas to compensate for the fluctuations in flow of the tail gas, which consists in passing a variable flow of reclaimed gas counter-current and in contact with raw sulphite system acid so as to dissolve a portion of the sulphur dioxide contained in the reclaimed gas, passing the tail gas remaining from the above operation counter-current and in contact with fresh water so as to dissolve the residual sulphur dioxide and form an acidulated solution, passing the undissolved tail gas to the atmosphere, collecting the acidulated solution so as to produce a solution of substantially constant acid strength, and introducing said acidulated solution at a point below the liquor inlet of the raw acid making tower and intermediate the liquor inlet and outlet thereof.

2,141,887

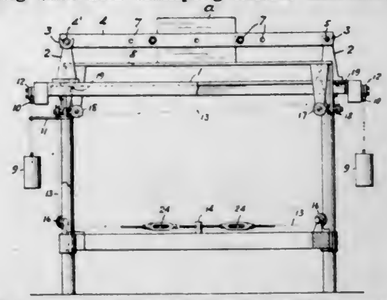
RACKING MECHANISM FOR USE IN DIPPING SHEETS AND THE LIKE

Frederick Thomas, Philadelphia, Pa., assignor to Keystone Index Card Company, Philadelphia, Pa., a corporation of Delaware

Application January 18, 1937, Serial No. 121,239

4 Claims. (Cl. 91—60)

1. Racking mechanism for use in dipping sheets and the like comprising in combination stands disposed in a common plane, a rack provided with supports disposed in a common plane and including bars and clamping means therefor, and



a table arranged parallel with said planes at a distance not greater than the distance between the edges of the sheet to be dipped.

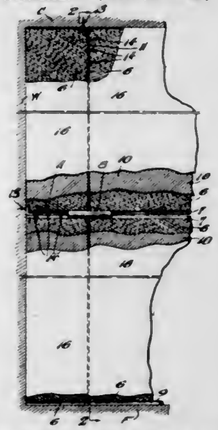
2,141,888

BUILDING CONSTRUCTION

Frederick M. Venzie, Philadelphia, Pa., assignor to Veco Corporation, a corporation of Pennsylvania

Application July 27, 1935, Serial No. 33,520

9 Claims. (Cl. 72—46)



1. A partition wall comprising a multiplicity of fireproof blocks having a brown coat of plaster on the major surfaces of each, means for spacing apart adjacent blocks and for positioning them with respect to each other, a cementitious binder in the spaces between said blocks and between the edges of the brown coat on each, and a white coat of plaster covering said brown coat and said binder.

2,141,889

ELECTRICAL PLUG AND SOCKET STRUCTURE

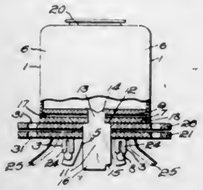
Theodore Werner Wallschlaeger, Chicago, Ill., assignor to Cinch Manufacturing Corporation, Chicago, Ill., a corporation of Illinois

Application May 13, 1936, Serial No. 79,500

7 Claims. (Cl. 173—332)

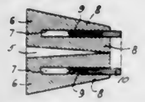
1. An electrical connection comprising, in combination, cooperating plug and socket members, said plug member including a housing, a plurality of contact prongs extending from one end thereof and disposed in substantially circular relation, and a flat guide means disposed in off-center relation to the circle of said prongs, said guide means having one end secured within said housing

and the other end extending in the same direction as said prongs said last mentioned end having a notch providing a shoulder, said socket having an elongated guide-receiving opening in certain positions of the plug relative to the socket,



said guide means adapted to extend completely through a cooperating aperture of a socket device only when said contact prongs are in registry with the proper prong-receiving elements of said socket device.

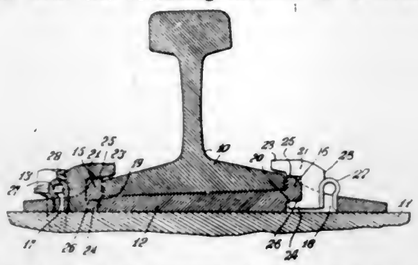
2,141,890
VARIABLE INDUCTANCE DEVICE
Adolf Weis, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany
Application June 6, 1936, Serial No. 83,892
In Germany July 26, 1935
1 Claim. (Cl. 171—242)



An inductance device comprising a coil provided with a core composed of compressed finely divided magnetic material, said core being E-shaped in cross section and arranged so that the free limbs thereof are tapered toward the outer ends so as to terminate in a narrow edge, movable mounting means for the coil comprising a sleeve-shaped member arranged so as to be capable of being inserted completely within the spaces between the free limbs of the core, said sleeve-shaped member having a coil supporting portion and a portion composed of magnetic material, said core being provided with a conical insert composed of solid high conductive metallic material positioned within the central limb of the core so that the small end of the insert is toward the narrow edge of the core and so that its axis coincides substantially with the axis of the sleeve member.

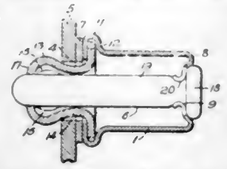
2,141,891
TIE PLATE AND RAIL RETAINING CLIP
George T. Willard, Chicago, Ill.
Application May 11, 1935, Serial No. 20,975
9 Claims. (Cl. 238—351)

1. Supporting and retaining means for a railroad rail comprising, in combination, a tie plate formed on its top surface with a rail base abutting member and having a recess extending through the plate adjacent said abutment, the recess being enlarged at the bottom of the plate to provide an under cut shoulder, a rail retaining member movable in said recess into embracing engagement with said abutment member and under cut shoulder and adapted to overlie, but spaced from, the top marginal portion of a rail base positioned on said plate, and a key having resilient end portions interposed between the retaining member and a wall of said recess for locking said retaining member in said position and having a portion for interlocking engagement with the retaining member at a location



above the bottom surface of the plate to resist removal of said locking means.

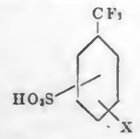
2,141,892
SHELF SUPPORT AND INSTALLATION THEREOF
Cary C. Wilson, Cambridge, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application December 14, 1935, Serial No. 54,501
6 Claims. (Cl. 248—239)



6. A shelf support for refrigerators and the like comprising a shelf-supporting member having an axial passage extending therethrough, a sheet metal hollow attaching element assembled with said shelf-supporting member in line with the axial passage, said attaching element having yieldable fingers with ends turned toward each other and terminating around an aperture at one end of the device and a pin extending through the shelf-supporting member and into the attaching element and having an end of larger diameter than the aperture surrounded by said fingers whereby said attaching element may be expanded by axial movement of said pin as and for the purposes described.

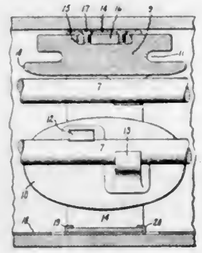
2,141,893
TRIFLUOROMETHYL - ARYL - SULPHONIC ACIDS AND A PROCESS OF PREPARING THEM
Arthur Zitscher, Kronberg in Taunus, and Hans Kehlen, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application August 17, 1936, Serial No. 96,548. In Germany August 17, 1935
6 Claims. (Cl. 260—505)

3. The trifluoromethyl-benzene-sulphonic acids of the following formula:



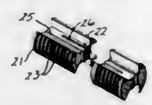
wherein X means a member of the group consisting of hydrogen, halogen, alkoxy, hydroxy and acylamino, standing in one of the positions meta and para to the CF_3-group.

2,141,894
CABLE FOR TRANSMITTING ELECTRIC POWER
Ernst F. W. Alexanderson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 19, 1937, Serial No. 131,896
6 Claims. (Cl. 247—3)



4. An electric cable comprising jointed lengths of pipe, a plurality of self sustained, uninsulated conductors therein for conveying high tension current, joints for uniting adjacent ends of corresponding conductors, radially positioned insulators of elliptical form having large surface areas, the insulators being arranged in sets, each insulator being in spaced relation to the others and having lugs on its inner portion releasably engaging and supporting a conductor, a metal plate dove-tailed into the outer portion thereof, a relatively narrow ring of smaller diameter than the pipe surrounding each set of insulators, the ring being adapted to slide axially within the pipe, means for individually securing the plates to the ring for holding the insulators of the set in spaced angular relation, and a filling of high pressure gas for the pipe serving as a dielectric for the conductors.

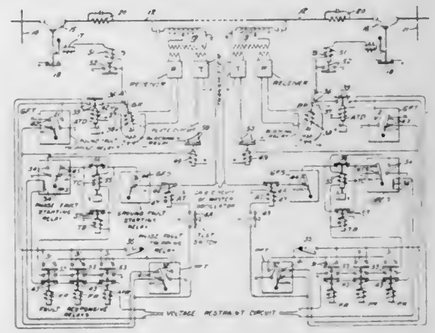
2,141,895
HAIR CLIPPING AND SHAVING HEAD
Mathew Andis, Racine, Wis.
Application March 5, 1936, Serial No. 67,196
7 Claims. (Cl. 30—43)



1. In a mechanism of the described class, a cutter bar having cylindrically rounded front and rear portions and oppositely disposed longitudinally extending channels, the front portion being arcuately slotted to provide shearing teeth, and the material between said channels having slots extending inwardly from each end of the bar in different planes and overlapping relation to each other to allow the front and rear portions to approach each other under compression.

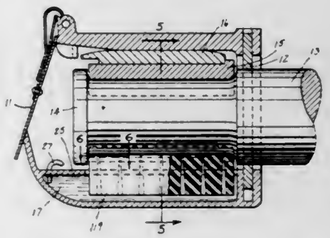
2,141,896
PROTECTIVE ARRANGEMENT FOR ALTERNATING CURRENT SYSTEMS
Elbert H. Bancker and Theron A. Cramer, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application October 23, 1935, Serial No. 46,290
19 Claims. (Cl. 175—294)

1. In combination, an alternating current circuit, means for interrupting the circuit at each of two points thereof, means for transmitting a control current from each of said points to the other, directional fault responsive means at said points connected to be energized from the circuit for controlling the associated circuit interrupting means to effect the opening thereof on the occurrence of predetermined circuit conditions and for controlling said transmitting means in accordance with the directions of energy flow at said points, means connected to be controlled by



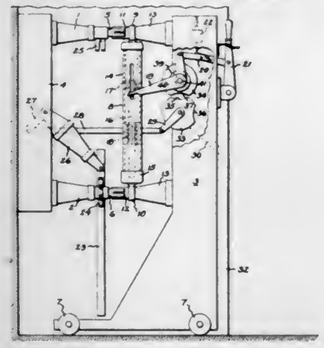
said transmitted current for preventing the directional responsive means at the respective points from effecting the opening of the associated circuit interrupting means, and means for continuing under asynchronous conditions of the circuit transmission of current by the transmitting means at one or the other of said points for a predetermined time after the directional fault responsive means controlling said transmitting means ceases to effect the operation thereof.

2,141,897
JOURNAL BOX
Harold E. Behrmann, Indianapolis, Ind., assignor of one-half to Frank M. McHale, Indianapolis, Ind.
Application April 16, 1936, Serial No. 74,635
3 Claims. (Cl. 308—88)



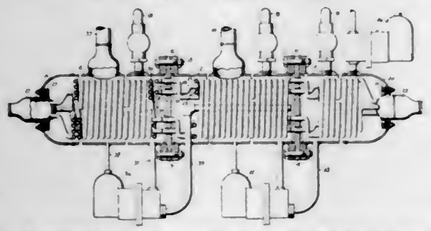
3. The combination with a journal box for railway trucks and a rotating journal extending therein, of a lubricant containing reservoir provided by said box, a flexible and resilient structural lubricant block, and a resilient flange formed on said block bearing upon a structural member of said box for resiliently maintaining said block in engagement with said journal, said block being provided with a plurality of apertures extending therethrough from the lower end thereof to the upper surface through which lubricant is adapted to pass to said journal, each of said apertures tapering from an enlarged portion to a reduced portion for permitting of capillary attraction.

2,141,898
ELECTRIC SWITCH GEAR
Anton Bellm, Dresden, Germany, assignor to General Electric Company, a corporation of New York
Application December 24, 1936, Serial No. 117,645
In Germany January 4, 1936
4 Claims. (Cl. 175—298)



4. Electric switchgear of the draw-out type comprising stationary electric circuit terminals, a load transfer switch coacting with said terminals for completing the circuit, a movable circuit breaker unit likewise coacting with said terminals for connecting said breaker unit in parallel with said load transfer switch, a pair of rotatably mounted disks relatively fixed with respect to said terminals, said disks being substantially in the same plane and having the centers thereof spaced by a distance less than the combined radii of the respective disks, said disks having notched portions for permitting relative rotation of one or both disks only when said load transfer switch and circuit breaker unit are in predetermined positions, and means disengageably relating one of said disks to said circuit breaker unit, said means blocking movement of said unit to connect with said terminals except when said load transfer switch is in the locked position.

2,141,899
FEED WATER PREHEATER
Frank S. Bennett, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 16, 1937, Serial No. 148,499
2 Claims. (Cl. 257—32)



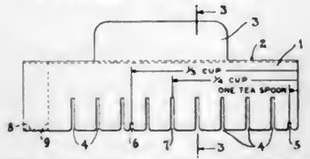
1. A preheater comprising an elongated multisection casing, partitions interposed between adjacent casing sections for effecting a fluid tight separation thereof, a plurality of conduits traversing all the casing sections and having concentric helically formed portions within each casing section, the order of concentricity being reversed in adjacent sections, a bulbous inlet manifold extending through and forming a closure for one end of said casing for conducting fluid to be heated in said plurality of conduits, a bulbous outlet manifold extending through and forming a closure for the other end of said elongated casing for conducting heated fluid from said plurality of conduits, means for supplying heating elastic fluid at high temperature to said casing section at said outlet end, means for conducting heating elastic fluid at a lower temperature to an intermediate casing section, means for conducting condensate from said outlet end section into said intermediate section, means for conducting condensate from said intermediate section to the inlet end section, such condensate comprising the heating fluid for said inlet end section and means for conducting condensate from said last mentioned section.

2,141,900
SLIDABLE FASTENER
Alexander M. Brown, Ocean Grove, N. J.
Application January 22, 1937, Serial No. 121,885
15 Claims. (Cl. 24—205)



1. A separable fastener for connecting the edges of adjacent sheets of material comprising retaining means carried by the edge of one of said sheets and extending throughout the length thereof, a flat distortable resilient head carried by the opposite sheet and extending throughout the length thereof, and a slide cooperating with the retaining means and head and having means thereon to bend the head and force it into engagement with the retaining means by which it is held against disengagement.

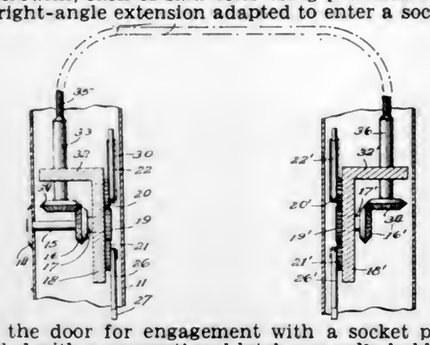
2,141,901
KITCHEN UTENSIL
Mildred Burleigh, New York, N. Y.
Application May 12, 1937, Serial No. 142,173
3 Claims. (Cl. 31—32)



2. A device for measuring specific quantities of butter and other plastic cooking ingredients, which consists of a plate provided with a plurality of tongues of uniform width separated from each other by slots of sufficient width to permit a knife to be passed therethrough, and supplementary measuring means adjoining said plate which consists of a mold open at opposite ends, but otherwise closed, said plate constituting a handle for said mold.

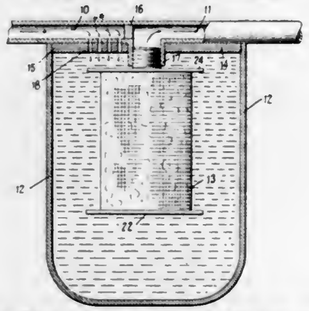
2,141,902
AUTOMOBILE DOOR LOCKING DEVICE
John Cannata, Chicago, Ill.
Application January 19, 1938, Serial No. 185,684
1 Claim. (Cl. 70—264)

In a device for simultaneously locking the doors of a motor vehicle provided with centrally located side posts against which the doors of the vehicle are adapted to close, a substantially L-shaped bracket secured within each of said side posts adjacent each pair of doors, a gear rotatably mounted on one of the legs of each of said L-shaped brackets, a pair of gears also secured to said bracket and being arranged for constant mesh and in substantially vertical alignment with said first-mentioned gear, a bolt secured to each of said second-mentioned gears for rotation therewith, each of said bolts being provided with a right-angle extension adapted to enter a socket



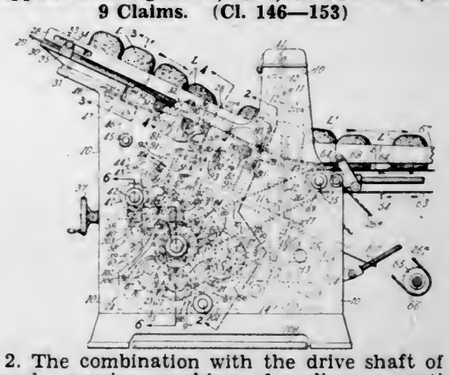
in the door for engagement with a socket provided with a conventional latch normally holding said door in closed position, a bevelled gear connected with each of said first-mentioned gears for rotation therewith, a second bevelled gear in mesh with said last-mentioned bevelled gear and rotatably supported on the second leg of each of said L-shaped brackets, means connecting together the said last-mentioned bevelled gears whereby the rotation of one will impart similar and corresponding rotation to the other, and key operated mechanism for actuating said first-mentioned bevelled gears supported by said first-mentioned leg of said L-shaped brackets.

2,141,903
FILTER UNIT
Alfred H. Brundage, Maplewood, N. J.
Application December 6, 1935, Serial No. 53,150
6 Claims. (Cl. 210—183)



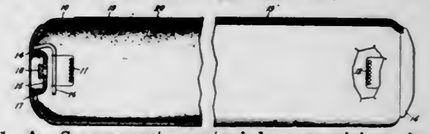
1. In a filter unit of the character described, a rigid, hollow, perforate core, means to permit filtered fluid to pass out of one end of said core, winding material comprising normally cotton wadding faced with textile gauze, wrapped in compressed form in a number of spirals closely adjacent said core, and finely divided material carried between outer spirals of said winding material, said outer spirals of winding material being wound under tension and substantially compressed, whereby said finely divided material is maintained in position between successive layers of the winding material.

2,141,904
SLICING MACHINE FOR BAKERY PRODUCTS
Lester Ferenci, Brooklyn, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application August 20, 1936, Serial No. 96,937
9 Claims. (Cl. 146—153)



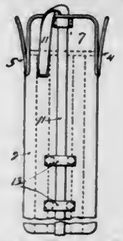
2. The combination with the drive shaft of a bread wrapping machine, of a slicer, a continuously traveling conveyor driven from said shaft at a constant speed, said conveyor being arranged to receive sliced loaves sidewise from said slicer and provided with equally spaced pushers extending transversely thereof, and speed-changing mechanism driven from said drive shaft for advancing loaves sidewise through said slicer at different rates of speed, but in constant time intervals, and thus delivering them to said conveyor, in proper relation to said pushers, said mechanism moving intermittently.

2,141,905
FLUORESCENT LAMP AND FLUORESCENT MATERIAL THEREFOR
Gorton R. Fonda and Ralph P. Johnson, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application December 17, 1936, Serial No. 116,399
6 Claims. (Cl. 134—47)



1. A fluorescent material comprising heat-treated magnesium oxide, silica and an exciter.

2,141,906
BAG
Philip M. Friedlander, Brooklyn, N. Y., assignor to Bertha Friedlander, Brooklyn, N. Y.
Application April 22, 1937, Serial No. 138,353
1 Claim. (Cl. 150—52)



In a bag, a body including side walls defining an oblong structure in cross section, the side

walls at one end being folded upon themselves and secured in said condition to constitute a closed bottom end of the bag and open at the opposite end, the side walls of the body extending beyond the open end and arranged as closure flaps adapted to be folded inwardly into overlapped relation across and close the open end, one flap to constitute the lowermost flap in the folded condition of the flaps having a loop attached thereto, the other flaps having apertures corresponding to and through which the loop is adapted to be passed, short straps attached at the opposite ends in spaced relation to the exterior of the opposite sides of the body to extend transversely thereof intermediate the ends of the body to form loops and the intermediate portion of said short straps projecting from a side of the body to constitute hand grips, and a long strap longitudinally encircling the exterior of the body passing between the body and the loops formed by the short straps and passing through the flap loop above the flaps to secure the bag parts together and articles in the bag.

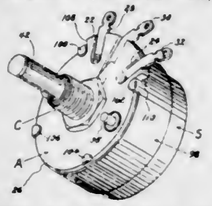
2,141,907

COMBINED VOLUME CONTROL AND SWITCH UNIT

Clarence J. Hathorn, St. Marys, Pa., assignor to The Stackpole Carbon Company, a corporation of Pennsylvania

Application December 11, 1933, Serial No. 701,802

1 Claim. (Cl. 201—48)



In combination, an insulating base, a projection on said insulating base, a plurality of notches formed in said projection, a terminal fitting into each of said notches, a cup-shaped housing having a cylindrical peripheral wall open at one end, a notch on the open end of the peripheral wall adapted to receive the base projection whereby the housing and base are definitely positioned to constitute a substantially closed housing.

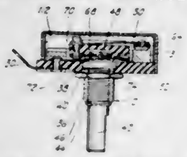
2,141,908

COMBINED VOLUME CONTROL AND SWITCH UNIT

Clarence J. Hathorn, St. Marys, Pa., assignor to The Stackpole Carbon Company, a corporation of Pennsylvania

Original application December 11, 1933, Serial No. 701,802. Divided and this application February 27, 1936. Serial No. 66,050

16 Claims. (Cl. 201—55)



15. An adjustable resistance device comprising a resistance element of the conducting film type, a film of conducting material of arcuate formation and of substantially constant width for the major portion of its linear length, a tap of film-like conducting material integrally united with the main film of the resistance element, said tap located between the ends of the resistance element, and an electrical contact shoe selectively engaging a portion of the resistance element and being adapted to pass said tap while engaging said film of conducting material.

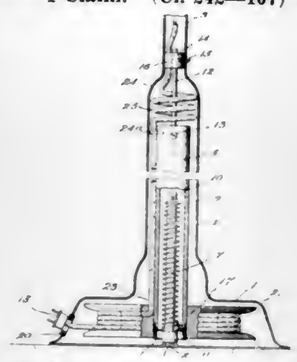
2,141,909

FLOOR LAMP WITH CORD TAKE-UP DEVICE

Edward J. Hauser, Pelham Manor, N. Y.

Application May 21, 1938, Serial No. 209,196

1 Claim. (Cl. 242—107)



In a floor lamp having a relatively low circular base portion with a base plate and a neck portion of accentuated height, a cord take-up mechanism for said lamp, said take-up mechanism comprising in combination a spindle having its lower end rotationlessly inserted into a hole of said base plate and having its other end extending upwardly into said neck portion, a hollow cylindrical member of accentuated height substantially conforming to the inner dimensions of said neck portion surrounding said spindle, a metal collar connected to the lower end of said cylindrical member rotatable around said spindle, a pin connected to the upper end of said cylindrical member, a bearing for said pin, a long helical spring having its ends connected to said spindle and said cylindrical member respectively, a take-up reel of restricted height rigidly mounted on the lower end of said cylindrical member and substantially conforming to the inner surface of said base portion, and a lamp cord wound on said reel and carried upwards along one side of said cylindrical member to form a spare length coil loosely wound around said pin in the same direction as on said reel whereby a predetermined length of cord may be unreeled causing tensioning of said helical spring and may be wound up by said spring.

2,141,910

ELECTRIC CABLE

William C. Hayman, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application March 19, 1935, Serial No. 11,763

2 Claims. (Cl. 173—264)



1. An electric cable which is adapted for use in secondary underground network systems operating at low voltages and heavy currents, said cable consisting of a conductive core, a wrapping about 1/64 inch thick on said core, said wrapping consisting preponderantly of cellulosic material impregnated with a resin resulting from the reaction of phthalic anhydride, glycerine, succinic acid, ethylene glycol, abietic acid and China-wood oil, a second wrapping of asbestos impregnated with liquid chlorinated diphenyl containing about 50 to 60 per cent chlorine, said combined insulating wrappings having a dielectric strength approximately three times the dielectric strength of the impregnated asbestos alone when the latter is of the same thickness as the total thickness of the said combined wrappings, and an external metallic sheath surrounding the whole.

2,141,911

LACQUER ENAMEL

Richard Karl Hazen, Montclair, N. J., assignor to Egyptian Lacquer Manufacturing Company, a corporation of New Jersey

No Drawing. Application August 12, 1936, Serial No. 95,635

6 Claims. (Cl. 91—70)

4. A method of forming a hard dry film on a surface which comprises incorporating into an enamel a solvent mixture and non-volatile ingredients including pigment, nitrostarch and an oil-acid modified alkyd resin having a softening point ranging from 35° C. to 66° C. as determined by the ring and ball method, said ingredients being present in such proportions that the nitrostarch amounts to from 25 to 35% of the weight of non-volatile ingredients in the enamel and the resin amounts to from 160 to 180% of the weight of the nitrostarch, the total non-volatile ingredients in the enamel amounting to at least 40% of its total weight, spraying the resulting enamel onto the surface and baking the sprayed surface at a temperature in excess of 175° F.

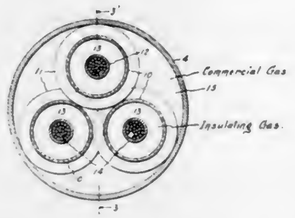
2,141,912

POWER TRANSMISSION SYSTEM

Henry M. Hobart, Niskayuna, N. Y., assignor to General Electric Company, a corporation of New York

Application February 13, 1937, Serial No. 125,623

10 Claims. (Cl. 247—3)



1. A power transmission system comprising a pipe for containing and transporting commercial gas under high pressure for consumption purposes, a means for supplying combustible gas to the pipe under high pressure, a tube located inside of the pipe, an uninsulated electrical conductor located within the tube, and a means for supplying the tube with insulating gas under a pressure which is higher than that of the combustible gas for insulating the conductor, the gases in the pipe and tube co-operating to reduce the bursting stresses on the walls of the tube.

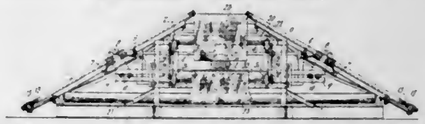
2,141,913

SHEET STRETCHING APPARATUS

Frank Honig, Pawtucket, R. I., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application December 6, 1935, Serial No. 53,154

4 Claims. (Cl. 26—54)



2. A multiply rubber sheet stretching apparatus comprising spaced wheels having their planes of rotation inclined to the horizontal upwardly toward each other at a large angle, means for rotating the wheels, said wheels having peripheral grooves, means for rotatably mounting a sheet stock reel, braking means for controlling rotation of the reel, means for guiding the unreeled sheet between said wheels and its edges into said grooves, belts for clamping said sheet edges in said grooves for predetermined lengths of arc on said wheels, means for releasing the sheet edges, and means for winding up the stretched sheet.

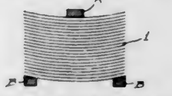
2,141,914

METHOD AND APPARATUS FOR CONDITIONING AND FILING TABULATOR CARDS

Donald Hosmer, Cleveland, Ohio, assignor, by direct and mesne assignments, of one-third to John V. McCaffrey and one-third to John W. Wursthorn, both of Cleveland, Ohio

Application October 26, 1936, Serial No. 107,539

9 Claims. (Cl. 271—44)



1. The method of eliminating stoppages in the feeding of tabulator cards comprising bending a series of flexible cards in the form of an arched surface to impart a tendency to bend in the fibrous structure of the material of the cards, releasing the cards from said bending operation and feeding the same with the crest of the previously arched surface in the direction of the feeding arms.

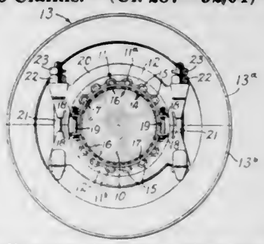
2,141,915

PULLEY CONSTRUCTION

George E. Hulse, New Haven, Conn., assignor to The Safety Car Heating & Lighting Company, a corporation of New Jersey

Application April 3, 1935, Serial No. 14,413

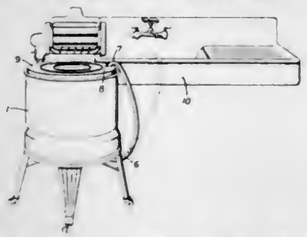
3 Claims. (Cl. 287—52.04)



1. In a pulley construction wherein a split pulley is disposed about a part secured to an axle, said part having an irregular surface, the combination with said part and said pulley of a de-

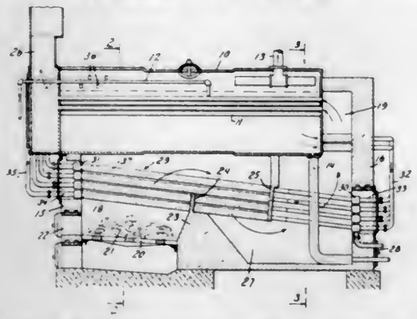
formable member formed of rubber and having an irregular surface, said member being disposed between said pulley and said part, the material of said member being adapted to flow into the irregularities of said irregular surface when said pulley is tightened about the axle, whereby relative movement between said driving member and said axle is prevented.

2,141,916
HOSE FOR WASHING MACHINES
Timothy A. Johnson, Milford, Conn., assignor to General Electric Company, a corporation of New York
Application August 15, 1936, Serial No. 96,233
1 Claim. (Cl. 138—49)



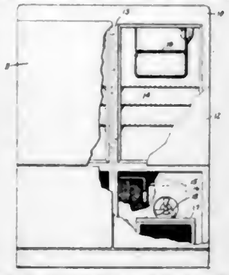
In a washing machine or the like having a pump for pumping liquid therefrom, a flexible hose of rubber like material adapted to be connected at one end to the outlet of the pump and at the other end being permanently formed into a hook-shaped portion, said hook-shaped portion being self-sustaining in that it will return to its normal shape after being bent in any direction and having sufficient rigidity to support the hose over the edge of a receptacle for discharge therein.

2,141,917
BOILER
Harrison E. Kieffel, New York, N. Y.
Application May 5, 1936, Serial No. 77,909
4 Claims. (Cl. 122—42)



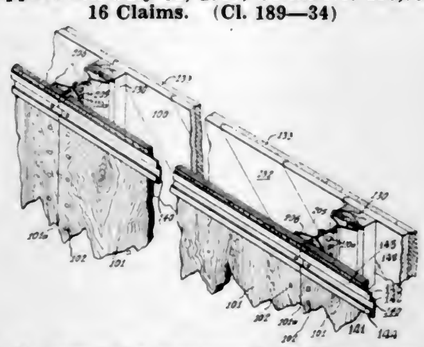
1. In a boiler installation, the combination of a furnace chamber having a zone in which combustion of fuel takes place, means for introducing fuel into the furnace chamber for ignition and combustion therein, a fire tube boiler, the inlet to the tubes of which is beyond the furnace chamber in the direction of flow of the gases of combustion, a zone between the inlet to the fire tubes of said boiler and the zone in which combustion of the fuel takes place through which the gases of combustion flow after combustion of fuel is substantially completed, a bank of water tubes extending through said zones and connected with said boiler to provide a circulatory system, at least a portion of those tubes of said bank which pass through the zone in which combustion of the fuel takes place being covered with refractory material, and at least a portion of the tubes which pass through the zone in which combustion of the fuel is substantially completed being bare, the tubes of said bank being spaced from one another to provide passage for the fuel being consumed and the gases of combustion, the tubes of said bank extending generally transverse to the direction of flow of the gases, whereby the passage of gases between and about said tubes causes diffusion and turbulence thereof.

2,141,918
REFRIGERATOR CABINET
James L. Knight, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application May 17, 1938, Serial No. 208,375
3 Claims. (Cl. 62—116)



1. A refrigerating machine including a cabinet, a refrigerant evaporator for cooling said cabinet, means including a condensing unit for supplying refrigerant to said evaporator, one portion of the outer surface of said cabinet being so arranged that it may be cooled below the dew point of the surrounding air by operation of said evaporator, and means including a hermetically sealed container partially filled with a volatile liquid for transferring heat from said condensing unit to said portion of said outer surface to maintain the temperature of said portion of said surface above the dew point of the surrounding air.

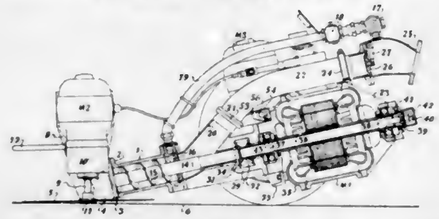
2,141,919
BUILDING CONSTRUCTION
Guy Felix Kotrbaty, Philadelphia, Pa.
Application July 31, 1937, Serial No. 156,757
16 Claims. (Cl. 189—34)



1. A composite structural building member forming a generally I-beam construction comprising a pair of half sections, each section including a web portion having at least one tongue and groove element therein for mating engagement with abutted like elements, the rail sections of

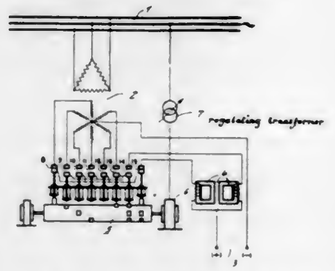
the composite elements including acutely angled elements terminating in hook flanges, the hook flanges on one rail being adapted to be engaged and secured by cooperating flat keying members, and the other hook flanges being of sufficient size to receive panel sections of self supporting building units.

2,141,920
CONVEYING APPARATUS
Herbert S. Lenhart, Allentown, Pa., assignor to Fuller Company, a corporation of Delaware
Application May 22, 1937, Serial No. 144,271
7 Claims. (Cl. 302—17)



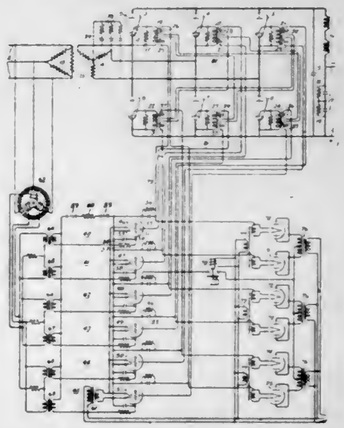
1. Apparatus for conveying pulverulent material, comprising the combination of a casing having an open end for the admission of material, a conveyor within the casing, an electric motor for driving the conveyor, a magnetic starter for said motor, a feeder for delivering material to the open end of the casing, a second electric motor for driving the feeder, a magnetic starter for the second motor, the starters being independently connected to a common power supply, and means for stopping the second motor when the first motor is overloaded to a predetermined limit comprising an instantaneous magnetic relay having contacts in the actuating-coil circuit of the starter for the second motor, a contactor to close the contacts, and a coil in the power circuit of the first motor to move the contactor from the contacts and de-energize the actuating-coil to release said starter, the contactor being released by the coil to close the contacts and energize the actuating-coil when the load of the first motor decreases to a safe operating load.

2,141,921
RECTIFIER
Wilhelm Leukert, Berlin-Siemensstadt, Germany, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany
Application March 4, 1937, Serial No. 128,919
In Germany March 2, 1936
6 Claims. (Cl. 175—364)



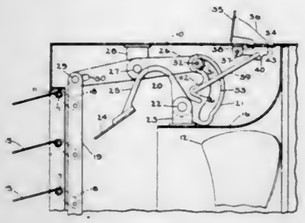
1. A converter for exchanging energy between a polyphase alternating current circuit and a direct current circuit, comprising a switching gear having a plurality of contacts arranged to successively connect the phases of the alternating current circuit with successive overlapping of the phase contact periods to the direct current circuit, means for driving said switching gear in synchronism with the alternating current circuit, two variable impedances each series-connected to the direct current circuit and designed to reduce the intensity of the commutating current, means for periodically establishing a local short-circuit comprising the overlapping phases and said impedances in series connection, the time period for closing said local circuit being selected so that the voltage difference between the overlapping phases, prevailing in said circuit, is polarized in the direction of the current in the direct current circuit, and means for selecting for said switch gear the desired phase relation with the alternating current circuit.

2,141,922
ELECTRIC VALVE TRANSLATING CIRCUIT
Harold W. Lord, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 12, 1936, Serial No. 68,478
11 Claims. (Cl. 175—363)



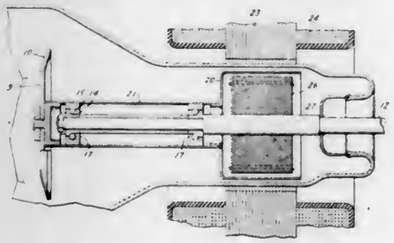
11. In combination, a polyphase alternating current supply circuit, a load circuit, a group of electric valves each having a control member and each being connected to transmit current from said supply circuit to said load circuit, a group of electric valves each having a control member and being connected in a sense opposite to that of said first-mentioned group of electric valves for returning said current from said load circuit to said supply circuit, a plurality of transformers each associated with a different one of said electric valves for energizing said control members and each having two primary windings, each winding being connected in series relation with a primary winding of a transformer associated with a different oppositely disposed electric valve, and means for controlling the conductivity of each of said electric valves by retarding the phase of voltages impressed on the control members comprising a plurality of excitation circuits each being associated with the transformers of a different pair of oppositely disposed electric valves for rendering conductive said pairs of valves in a predetermined sequence and for rendering each of said electric valves conductive twice during each cycle of alternating potential.

2,141,923
VENTILATING APPARATUS
Kenton D. McMahan, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 16, 1936, Serial No. 74,630
15 Claims. (Cl. 98—116)



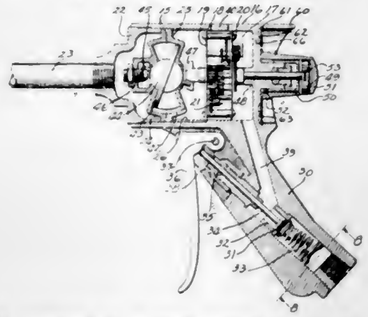
1. An air circulating device including a duct, means for forcing air through said duct, shutter means for closing said duct, said shutter means being arranged to be opened by the force of air circulating through said duct, and means actuated by the circulation of air through said duct for locking said shutter means in its open position to prevent vibration of said shutter means during operation of said air forcing means.

2,141,924
ELECTRICAL DISCHARGE DEVICE
Hendrik D. Middel, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 13, 1937, Serial No. 174,388
3 Claims. (Cl. 250—148)



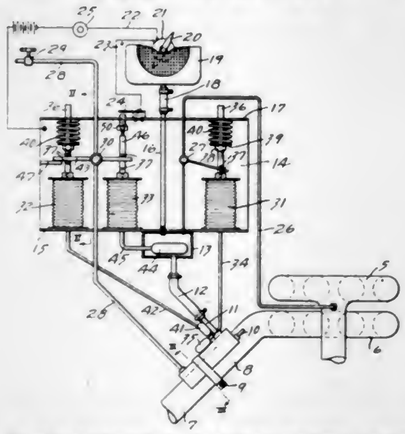
1. An X-ray device comprising an evacuated envelope, a cathode supported from one end of the envelope, a stationary shaft extending inwardly from the other end of the envelope, a disk-like member forming a rotatable anode adjacent to the inner extremity of the shaft, a pair of ball bearings axially spaced from one another and from the anode for rotatably supporting the anode on said shaft, and means for rotating the anode without imposing a heavy load on said bearings, said means comprising a thin walled hollow cylinder of highly conducting non-magnetic material supported by the bearings, the cylinder being arranged axially at the opposite side of the bearings from the anode so as at least partially to counterbalance the weight thereof, means for producing a rotating magnetic field traversing the wall of the cylinder, and a solid stationary body of magnetic material interfitting within the cylinder and supported on the shaft independently of the bearings, said body filling substantially the entire space within the cylinder so as to provide a continuous magnetic path therethrough.

2,141,925
LIQUID METERING AND DISPENSING APPARATUS
Jacob C. Miller, Milwaukee, Wis., assignor to Badger Meter Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application November 16, 1935, Serial No. 50,143
10 Claims. (Cl. 73—198)



1. A dispensing nozzle comprising the combination with a barrel portion and a pistol grip handle projecting therefrom, said handle having an inlet passage and a divergent supply passage leading therefrom to one end of the barrel, means providing a valve seat in the inlet passage, a valve engageable with said seat having a stem extending longitudinally of said passage, an exposed trigger provided with means operable upon said stem for the opening of said valve, a meter having a meter gear train in said barrel, and a discharge spout opening from said barrel.

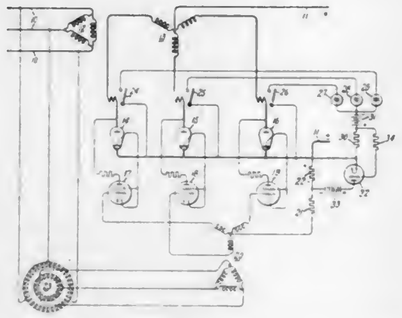
2,141,926
AUTOMATIC STEAM HEATING SYSTEM FOR AUTOMOBILES
James B. Moncrief, Copperhill, Tenn.
Application February 16, 1938, Serial No. 190,749
17 Claims. (Cl. 237—12.3)



6. In an automobile heating system, in combination, an automotive engine comprising an intake manifold and an exhaust line, a steam generator heated by said line, a steam radiator supplied with steam by said generator, a valve controlling means having connection with said intake manifold and adapted to establish a vacuum in said system, means responsive to heat in said generator to close said valve when the system is hot, a valve and means controlled thereby to supply water to said generator, a thermostat responsive to exhaust line heat and means controlled thereby to open said water valve when the generator is hot, a thermostat responsive to the presence of steam in the system, and means controlled thereby which is effective to close said water valve when the system is supplied with steam.

8. An automobile heater system according to claim 6, in which the water valve control means comprise two agencies each a thermal bulb and a bellows in closed circuit therewith filled with an expansible medium, a water valve arm oppositely acted upon by said two bellows, the valve opening bulb being disposed to become heated in advance of the other bulb, and a like bulb and bellows disposed and adapted to close said vacuum valve when the exhaust line is hot.

2,141,927
ARC-BACK SUPPRESSION
Marvin M. Morack, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 31, 1937, Serial No. 182,773
7 Claims. (Cl. 175—363)



1. In combination, an electric valve converting system including a plurality of electric valves, a voltage-responsive element for each of said valves and having a critical minimum operating potential characteristic, an impedance element common to all of said voltage-responsive elements, means associated with said valves for applying a constant potential to said voltage-responsive elements upon occurrence of any abnormal current condition in any of said valves, and means responsive to the resultant voltage across said impedance element for rendering non-conductive said valves.

2,141,928
WELDING FLUX
March Rudolph Moritz, Sale Moor, and Ian Claude Fitch, Forest Hill, London, England, assignors to General Electric Company, a corporation of New York
No Drawing. Application December 14, 1936, Serial No. 115,884. In Great Britain January 8, 1936
3 Claims. (Cl. 219—8)

1. A flux for use in arc welding having substantially the following composition by weight:

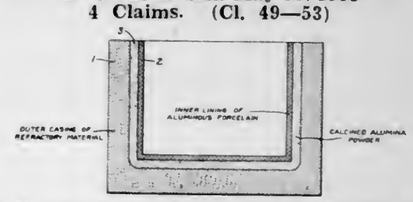
	Per cent
Iron oxide	60 to 70
Feldspar	15 to 25
Talc	5 to 15
Sodium carbonate (on the basis of the anhydrous form)	Up to 7

2,141,929
ARC WELDING FLUX
March Rudolph Moritz, Sale Moor, England, assignor to General Electric Company, a corporation of New York
No Drawing. Application December 14, 1936, Serial No. 115,885. In Great Britain January 8, 1936
4 Claims. (Cl. 219—8)

1. A flux for use in arc welding having substantially the following composition by weight:

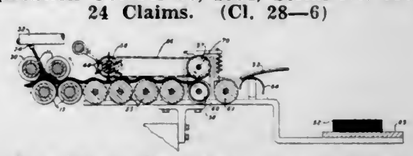
	Per cent
Cryolite	56 to 64
Feldspar	22 to 18
Talc	11 to 9
Calcium carbonate	11 to 9

2,141,930
RECEPTACLE FOR CONTAINING GLASS DURING ITS MANUFACTURE
John Henry Partridge, Middlesex, England, assignor to General Electric Company, a corporation of New York
Application May 11, 1936, Serial No. 79,139
In Great Britain May 15, 1935
4 Claims. (Cl. 49—53)



2. A receptacle adapted for containing glass during its manufacture comprising an inner shell of aluminous porcelain practically free from substances that are contaminants of glass used as an envelope in sodium vapor lamps, an outer casing of mechanically strong refractory clay and an intervening layer of calcined alumina powder between the said shell and the said casing.

2,141,931
METHOD OF AND APPARATUS FOR HANDLING AND TREATING FLEXIBLE BODIES
Robert Pash, Danbury, Conn., assignor, by mesne assignments, to Arthur H. Boesch, Danbury, Conn.
Application October 26, 1934, Serial No. 750,116
24 Claims. (Cl. 28—6)



1. In a bat stacking device, means for propelling the bats, means for smoothing out the bats as they are being propelled, and means for corrugating the bats after they have been smoothed out.

2,141,932
PROCESS FOR SEALING RECEPTACLES
John H. Payne, Ballston Spa, N. Y., assignor to General Electric Company, a corporation of New York
Original application April 28, 1936, Serial No. 76,796, now Patent No. 2,101,156, dated December 7, 1937. Divided and this application November 27, 1936, Serial No. 112,884
3 Claims. (Cl. 219—10)

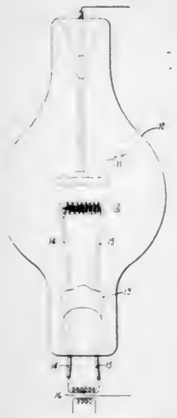
1. The process of sealing an aperture in an

exposed surface of a thin metal body under circumstances which prevent applying a reinforcing support to the opposite surface of the body, which process comprises positioning in said aperture a generally spherical member constituted of a metal adapted to be welded integrally to the body, the member being of such dimensions as to be incapable of passing through the aperture and being in direct contact with the body, bringing a welding electrode into substantially point contact with the member at a region thereof



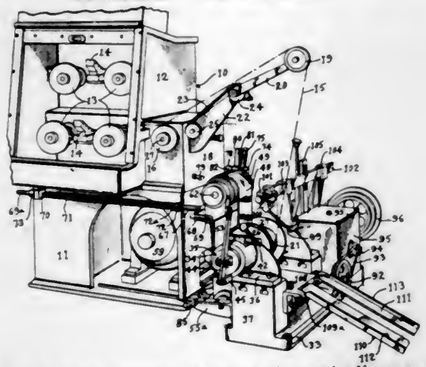
remote from the body, passing an electric current serially through the electrode, the member and the body sufficient to initiate fusion of the member at its point of contact with the electrode, and continuing such current without the application of appreciable electrode pressure to cause progressive flow of metal from the region of electrode contact into welding relation with the exposed surface of the body around the aperture and to produce partial penetration of the member into the aperture, thereby completely to close the same.

2,141,933
CATHODE
Laurence F. Perrott, Revere, Mass., assignor to General Electric Company, a corporation of New York
Application November 26, 1937, Serial No. 176,463
5 Claims. (Cl. 250—27.5)



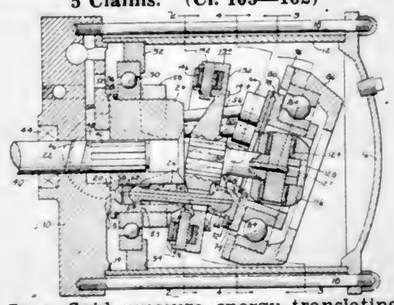
1. A cathode including a first portion comprising a heating element adapted to be rendered electron emissive in response to a heating current provided therefor and a second portion surrounding the first portion and adapted to be rendered electron emissive in response to heat generated by power losses in the discharge space, said second portion comprising a relatively open structure arranged to be traversed by that portion of the discharge current which is derived from the heating element and being so proportioned that its emission increases automatically with an increase in such discharge current.

2,141,934
BELT DRIVEN WIRE SPOOLER
William D. Pierson, Waterbury, Conn., assignor to The Waterbury Farrel Foundry & Machine Company, Waterbury, Conn., a corporation of Connecticut
Application April 18, 1936, Serial No. 75,107
14 Claims. (Cl. 242—25)



1. In a wire spooler, a support, a winding spool pivoted on a horizontal axis in said support, a substantially vertical inclined swinging cradle carrying pulleys at its opposite ends pivotally mounted on said support, an endless belt running at constant speed on said pulleys and having one course thereof engaging the wire being spooled, a spring-pressed horizontal rod connected with said cradle to urge it toward said spool, the spring pressure on said rod being progressively increased as the cradle swings outwardly due to the filling up of the spool with wire whereby the counterforce due to the weight of the cradle and associated parts will be counterbalanced.

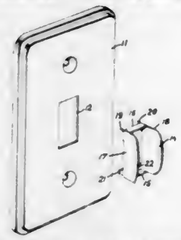
2,141,935
POWER TRANSMISSION
Edwin L. Rose, Watertown, Conn., assignor to The Waterbury Tool Company, Waterbury, Conn., a corporation of Connecticut
Application November 17, 1936, Serial No. 111,240
5 Claims. (Cl. 103—162)



1. In a fluid pressure energy translating device the combination of a rotatable cylinder barrel having a plurality of bores spaced around the axis of rotation of the barrel and having cylinder ports in one end face, a valve plate having a plane face coacting with said end face and containing arcuate inlet and outlet ports coacting with the cylinder barrel and connecting rods may be connecting rods each having one end articulated to one of said pistons, a socket ring to which the other end of each connecting rod is articulated, means mounting the socket ring for rotation about an axis inclined to the axis of barrel

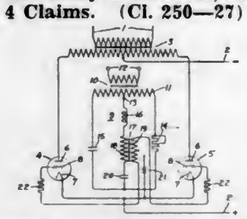
rotation, a first universal joint surrounding the connecting rods and connected to rotate with the cylinder barrel, a second universal joint inside and connected to the socket ring, and means including a spider member extending between the connecting rods and connecting said universal joints.

2,141,936
SWITCH HANDLE GUARD
Richard H. Schmitt, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 23, 1937, Serial No. 165,324
3 Claims. (Cl. 200—168)



1. A handle guard for an electric switch provided with a cover having a rectangular aperture through which a handle extends, comprising a strip of resilient material bent to form a rectangular member, two opposite ends of said rectangular member being arranged to engage said cover and the ends of said strip being in abutting engagement at one of said ends, a projection on each side of said rectangular member adjacent said abutting ends, said projections being arranged to extend through the aperture in the cover and laterally to lock over the edge of the cover, a projection on the other end of said rectangular member extending lengthwise of said rectangular member, said strip being arranged to be bent to disengage said abutting ends whereupon the sides of said rectangular member may be pressed toward each other so that said laterally extending projections can be passed through the aperture in the cover.

2,141,937
ELECTRIC PHASE SHIFTING CIRCUITS
Erich Schröter, Berlin-Charlottenburg, Germany, assignor to General Electric Company, a corporation of New York
Application August 12, 1936, Serial No. 95,566
In Germany October 25, 1935
4 Claims. (Cl. 250—27)



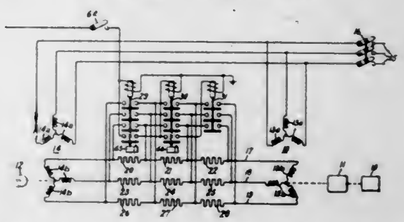
4. In combination, an electric circuit, an electric valve means associated with said circuit and having a control member, and an excitation circuit for energizing said control member comprising a source of alternating potential, means for obtaining a point of intermediate potential of said source, a phase shifting circuit connected across said source comprising a serially-connected resistance and a reactive element, and means connected between said point of intermediate potential and the juncture of said resistance and said reactive elements comprising a serially-connected inductance, a saturable inductive device for providing a voltage of peaked wave form and a capacitance to permit said voltage of peaked wave form to be varied substantially 180 electrical degrees with respect to the voltage of said source by the exclusive variation of said resistance.

2,141,938
ARC WELDING FLUX
Thomas C. R. Shepherd, Stretford, England, assignor to General Electric Company, a corporation of New York
No Drawing. Application December 14, 1936, Serial No. 115,883. In Great Britain January 8, 1936
2 Claims. (Cl. 219—8)

1. A flux for use in arc welding having the following composition by weight:

	Percent
Manganese dioxide	13 to 19
Feldspar	20 to 11
Ilmenite	27 to 39
Ferro-manganese	24 to 16
Kaolin	Up to about 6
Ferro-titanium	*10 to 8

2,141,939
CONTROL SYSTEM
David R. Shoults, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 1, 1937, Serial No. 166,784
8 Claims. (Cl. 172—239)



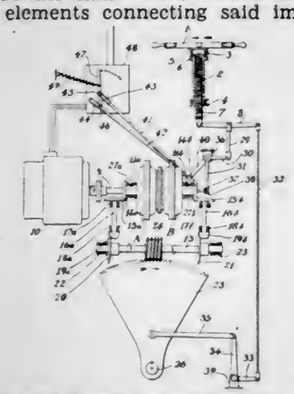
1. In combination, an electrical motion transmitting device having a primary winding connected to a source and a secondary winding, an electrical motion receiving device having a primary winding and a secondary winding, means for driving the rotor member of said transmitting device, electrical connections from the primary winding of said receiving device to said source and from the secondary winding of said receiving device to the secondary winding of said transmitting device whereby component torques are produced tending to turn the rotor of said receiving device in opposite directions, and means for accelerating said receiving device in a direction corresponding to the direction of rotation of said transmitting device comprising resistance connected in series relationship in one of said connections for reducing one of said component torques and increasing the other of said component torques.

2,141,940
HYDRAULIC POWER TRANSMISSION SYSTEM
Harold Sinclair, Kensington, London, England
Application June 6, 1936, Serial No. 83,845
In Great Britain June 14, 1935
16 Claims. (Cl. 60—54)

1. A power transmission system comprising a driving member adapted to rotate continuously, a displaceable driven member, two hydraulic power transmitters of the kinetic type each hav-

*Which may be replaced in part by a larger quantity of ferro-chromium.

ing a vaned impeller element, a vaned runner element, a hydraulic working circuit including said elements and controllable throttling means which are disposed within the transmitter, which normally obstruct the vortex circulation of working liquid in said circuit and which can be operated to render said circuit unobstructed, transmission elements connecting said impeller ele-



ments to said driving member and said runner elements to said driven member and so arranged that said hydraulic power transmitters tend to displace said driven member in opposite directions respectively, and a control member operatively connected with both of said throttling means and capable of moving them to render the respective hydraulic circuits alternatively unobstructed.

2,141,941

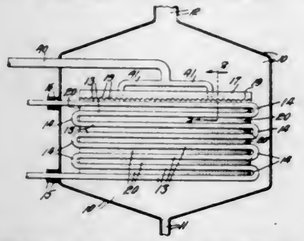
APPARATUS FOR HEATING VEGETABLE OILS

Joseph Stewart, Elmhurst, N. Y.

Application March 12, 1938, Serial No. 195,450

In Great Britain October 7, 1936

1 Claim. (Cl. 257—184)



An apparatus for heating vegetable oils comprising a chamber having at its upper end a suction outlet for volatile products and having at its lower end a discharge outlet, a vertical series or bank of horizontally disposed oil-heating tubes extending transversely of the chamber with the tube axes in a vertical plane, an oil discharging trough having a discharge slot in its lower side, the wall on each side of said slot being serrated to cause the oil to flow in an even film to the top side of the uppermost tube of the bank, said heating tubes adapted to contain a heating fluid.

2,141,942

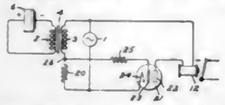
PHOTOELECTRIC RELAY

Chauncey G. Suits, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application November 20, 1935, Serial No. 50,699

2 Claims. (Cl. 250—41.5)

1. In combination, a photoelectric cell of the voltage generating, low impedance and high current type, a source of alternating current supply, a grid controlled electron discharge device energized thereby and means for coupling said cell



with said device comprising a saturable core reactor having a main winding connected with the grid circuit of said device and a low impedance saturating winding in circuit with said cell.

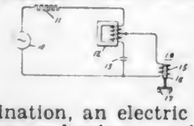
2,141,943

ELECTRIC CIRCUIT

Chauncey G. Suits, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application November 13, 1937, Serial No. 174,481

12 Claims. (Cl. 171—97)



12. In combination, an electric circuit, a saturable transformer having a primary winding connected in said circuit and being provided with a secondary winding, a capacitance connected across said secondary winding, a second inductance connected in series relation with said primary winding and having an inductive reactance substantially equal to the effective capacitive reactance of said capacitance as reflected in said primary circuit prior to the condition of nonlinear resonance in said circuit, and an electric translating device connected to be energized in accordance with the resultant voltage across said transformer and said second inductance.

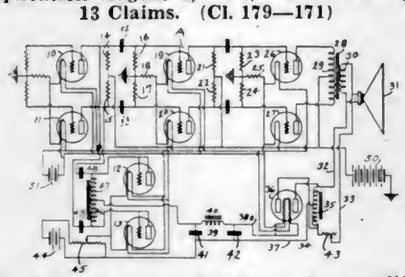
2,141,944

AUTOMATIC VOLUME CONTROL FOR AMPLIFIERS

Lincoln Thompson, Cheshire, Conn.

Application August 4, 1936, Serial No. 94,215

13 Claims. (Cl. 179—171)



13. In a gain control system for amplifying alternating currents, a source of alternating current energy, a vacuum tube amplifier for receiving a portion of said energy, a diode in shunt with the plate circuit of said amplifier, and means to cause the impedance of said diode to vary inversely with the strength of said applied energy, whereby a uniform volume of amplification will be produced.

2.141.945

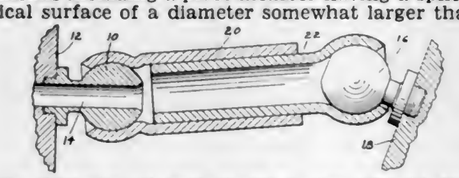
POWER TRANSMISSION

Ralph L. Tweedale, Waterbury, Conn., assignor to The Waterbury Tool Company, Waterbury, Conn., a corporation of Connecticut

Application April 29, 1936. Serial No. 76,943

10 Claims. (Cl. 103—162)

1. In a fluid pressure energy translating device an expansible chamber mechanism comprising a member forming a cylindrical chamber, a member having a cylindrical outer surface slidable in said chamber, means mounting said members for relative reciprocatory motion, said means including a pivot member having a spherical surface of a diameter somewhat larger than



the diameter of said chamber, one of said first two members having a spherical surface in film forming contact with the pivot member over an area on both sides of a great circle sufficient to substantially balance the forces on said member created by fluid pressure in said chamber, said spherical surfaces being in fluid communication with said chamber.

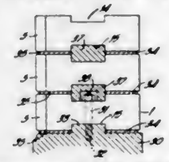
2,141,946

WALL

Clements Batcheller, Glens Falls, and Frederick Heft, Troy, N. Y., assignors to Allegheny Ludlum Steel Corporation, a corporation of Pennsylvania

Application March 4, 1937, Serial No. 129,002

8 Claims. (Cl. 72—38)



1. A wall comprising a plurality of blocks provided with channels therein and arranged in horizontal courses, means interfitting said channels in a plurality of blocks in each of two vertically adjacent courses for maintaining said blocks in aligned relation and said courses in vertically spaced relation, and means simulating cement joints positioned between said courses.

2,141,947

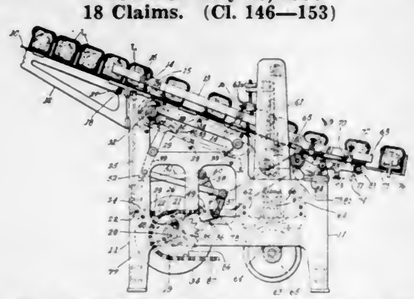
BREAD SLICER

Robert J. Beutel, Brooklyn, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey

Application November 9, 1934, Serial No. 752,344

Renewed May 28, 1938

18 Claims. (Cl. 146—153)



1. In a bread slicer, the combination with a chute adapted to receive a single file of loaves of bread, of a slicer unit, and cam-actuated means for separating loaves from said file and advancing them to said slicer unit at a relatively high speed and advancing them through the slicer unit at a relatively low speed, the bottom of said chute being provided with longitudinal slots, and said means including conveyor chains provided with flights arranged to travel through said slots, driven and idler sprockets over which said chains are trained, escapement means adapted to arrest the leading loaf in said file and then release the same to permit it to slide down said chute into the path of said flights, and mechanism for driving said driven sprockets at a relatively high speed and then at a relatively low speed.

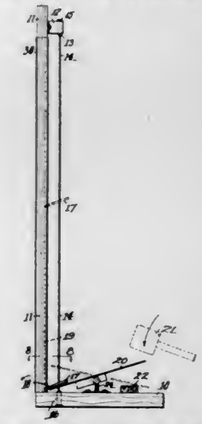
2,141,948

GAME APPARATUS

William F. Bruso, Worcester, Mass.

Application February 18, 1937, Serial No. 126,445

2 Claims. (Cl. 273—88)



1. In a game apparatus, the combination with a vertical scale, an indicator movable upwardly along said scale, and means for projecting the indicator up the scale, of a guide rod parallel to the scale along which the indicator is adapted to move, said indicator having a perforation therethrough larger than the guide rod through which the guide rod passes, said indicator having a pointer located in position to move along a surface of the scale and being weighted to hold this pointer downwardly and the indicator at a definite angle on the guide rod, whereby the indicator will stop exactly at the highest point it reaches on each stroke.

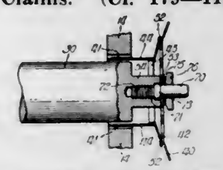
2,141,949

LOUDSPEAKER

Gordon S. Carbonneau, Chicago, Ill., assignor to Utah Radio Products Company, Chicago, Ill., a corporation of Illinois

Application April 17, 1937, Serial No. 137,434

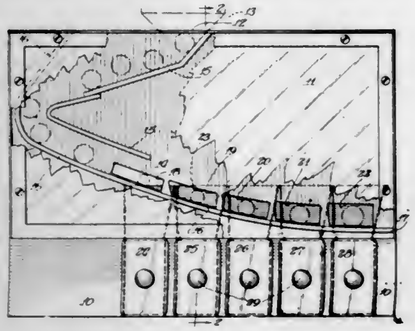
6 Claims. (Cl. 179—115.5)



1. In a loudspeaker, the combination, with a magnetic structure including a central core, a sound reproducing device equipped with a moving coil surrounding the end of said core, and a

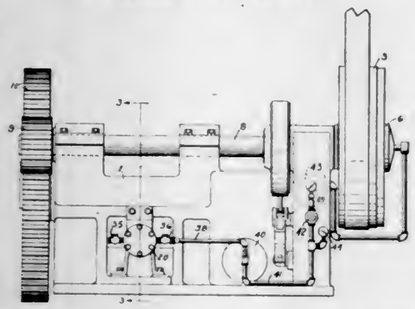
flexible centering member secured to said device, of means for securing said member to said core, said means comprising a stud threaded into said core and projecting through an opening in said member, and a washer having an opening therein slightly smaller than said stud, said washer being pressed onto said stud and serving to clamp said member to the end of said core.

2,141,950
COIN SORTER
Bearl E. Colburn and Frank M. Blahnik, Green Bay, Wis.
Application December 28, 1935, Serial No. 56,413
1 Claim. (Cl. 133—3)



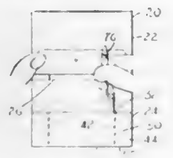
In a device for conveying coins to a coin sorter having means for separating face engaged coins, said means comprising an inclined guide having transverse ribs on the bottom thereof, whereby rolling coins will be repeatedly bounced to separate said coins.

2,141,951
AIR COMPRESSOR ATTACHMENT AND BRAKE FOR FORGING MACHINES
William W. Criley, Cleveland, Ohio
Application July 16, 1936, Serial No. 90,925
4 Claims. (Cl. 78—13)



2. In a forging machine of the stop-motion type comprising a power operated, continuously driven, rotary inertia member, a rotary driven mechanism including a train of gears, a clutch for selectively connecting and disconnecting the rotary driven mechanism at one end of the train to and from the inertia member, respectively, a reciprocable ram slide, a crank at the other end of said train operatively connecting the rotary driven mechanism to the ram slide for positively driving the ram slide on a work stroke and a return stroke consequent upon rotation of the rotary driven mechanism, a brake for reducing the momentum of the rotary driven mechanism when the rotary driven mechanism is disconnected from the inertia member and for stopping the rotary driven mechanism, said brake being applicable to the rotary driven mechanism adjacent said one end of the train, a fluid compressor mechanism connected to the ram slide for operation thereby to compress fluid when the ram slide moves on its return stroke and thereby to resist yieldably the return of the ram slide, whereby the momentum of the ram slide and the momentum of the rotary driven mechanism may be concurrently and individually reduced for preventing back lash of the train of gears and for relieving the brake mechanism from absorbing heavy inertia stresses occasioned by the momentum of the ram slide and the rotary driven mechanism.

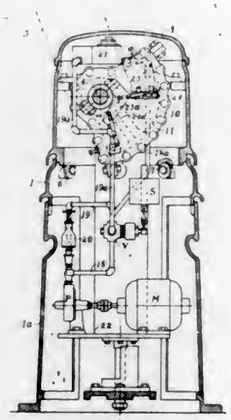
2,141,952
RECEPTACLE
Jack Hassenfeld, Providence, R. I.
Application July 27, 1938, Serial No. 221,549
9 Claims. (Cl. 229—27)



2. A book simulating receptacle, comprising a front book cover simulating portion, a rear book cover simulating portion and an end cover portion substantially the thickness of a compartment pivotally joining adjacent ends of said front and rear cover portions together, one of said cover portions having an extension of the desired compartment thickness forming a compartment base secured thereto having an extension of the desired compartment height forming an outer compartment wall secured thereto having an extension of the desired compartment thickness forming a compartment top secured thereto centrally slitted and transversely slitted along the top and bottom edges thereof from points spaced from each end thereof to form tabs, infolds of substantially the combined height of said cover portions and compartment forming extensions projecting inwardly over the edges of said portions and extensions, said compartment top having an extension secured to said infolds and adjacent cover portion interior of said infolds whereby said tabs may be downfolded to form an opening in the compartment top by the insertion of articles to be held in said compartment through said opening and to abut the inner edge of said infolds in said compartment walls to form compartment end walls.

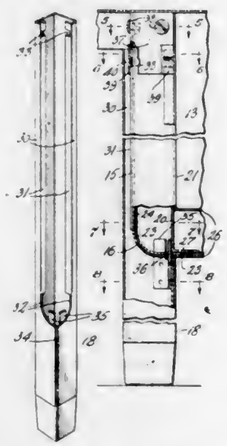
2,141,953
CROSSING GATE STRUCTURE
Henry F. Hawes, Louisville, Ky., assignor to Associated Manufacturers' Agency, Louisville, Ky., a corporation of Kentucky
Application May 14, 1936, Serial No. 79,728
4 Claims. (Cl. 39—8)

1. A crossing gate structure comprising a standard, a hollow head rotatably mounted on said standard, a gate shaft mounted on said head for movement between operative and inoperative positions, a cylinder mounted on said head, a movable piston in said cylinder, means connecting the piston to the shaft, said means comprising a rack carried by the piston and a gear



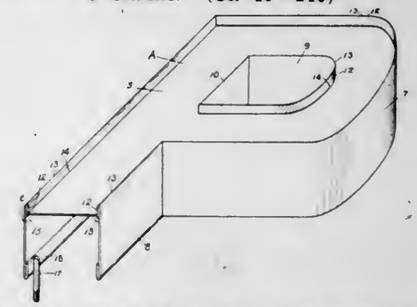
mounted on the shaft, and means for operating said piston to move said shaft.

2,141,954
DESK
James R. Jones, Jamestown, N. Y., assignor to Art Metal Construction Company, Jamestown, N. Y.
Application March 11, 1938, Serial No. 195,371
15 Claims. (Cl. 45—6)



14. The combination in a desk having pedestals separated by a knee space, of legs extending vertically along and removably secured in place one at a front upright corner and one at a rear upright corner of each pedestal and supporting the pedestals above the floor, said pedestals having at each corner thereof similar attaching provisions for one of said legs which provisions are hidden from view when said leg is in place and when the leg is removed, and said pedestals being constructed to make their several upright corners of similar finished corner formation without said legs, whereby the desk can be provided with legs at either the inner or outer upright corners of the pedestals.

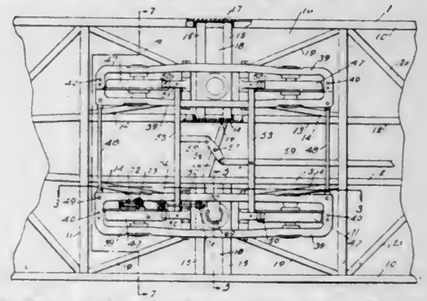
2,141,955
SIGN LETTER
Samuel G. Lang, 3rd, Cincinnati, Ohio, assignor to W. A. Barrows Porcelain Enamel Company, Cincinnati, Ohio, a corporation of Ohio
Application July 15, 1937, Serial No. 153,798
9 Claims. (Cl. 40—140)



8. The method of manufacturing shaped characters to be unified in a composite sign or the like and which method comprises forming a sheet metal face piece member of a desired shape or contour with an unfinished lateral or peripheral edge, forming a side piece member conforming to the shape of said face piece member and having a downturned lateral flange, placing the lateral edge of the face piece member in abutment against the lateral flange of the side piece member and permanently securing together the said contacting portions of the side piece member and the face piece member, and thereafter applying a vitreous coating to said face and side piece members and the joint therebetween by baking or firing, whereby the vitreous coating seals and provides a continuous vitreous surface over said joint between said members.

9. In a device of the class described the combination of a sheet metal face piece member of a desired shape or contour having an unfinished lateral or peripheral edge, a sheet metal side piece member conforming to the shape of said face piece member and comprising a body portion and an integral downturned flange disposed adjacent to and in substantial parallelism with the body portion thereof, the flange having fixed contact and connection with the peripheral edge of the face piece member, and a continuous coating of vitreous material extending over and sealing the joint between the face piece and the side piece members.

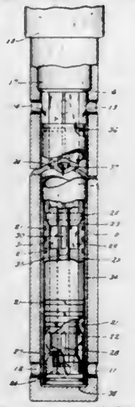
2,141,956
RAIL CAR
Hugh C. Lord, Erie, Pa.
Application November 13, 1934, Serial No. 752,847
27 Claims. (Cl. 105—158)



2. In a rail car, the combination of a body

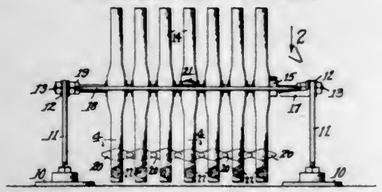
providing a covered enclosure with a floor; and trucks at the ends of the car having tandem wheels and individually swiveled on the car body on vertical axes at each side of the car body, the floor level being below the wheel centers and the floor level extending between the wheels longitudinally and laterally.

2,141,957
DEEP WELL PUMP
Charles R. McDaniel, Oklahoma City, Okla.
Application April 17, 1937, Serial No. 137,444
6 Claims. (Cl. 103—192)



1. A deep well pump comprising: a barrel having inlet ports near each of its ends; a liner slidable within said barrel for controlling the flow of fluid through the inlet ports of said barrel; a plunger within the liner adapted to move said liner to control said inlet ports; a hollow rod for reciprocating said plunger extending through said plunger and out through one end of said barrel and having a limited movement with relation to said plunger; a valve in each end of said plunger operable by said rod and each adapted to control the passage of fluid from its respective end of the barrel through adjacent ports in said rod into the bore of said rod; and a check valve carried by said rod outside said barrel for preventing the passage of fluid through the bore of said rod into said barrel.

2,141,958
GAME
James Ruberti, Fitchburg, Mass.
Application April 12, 1938, Serial No. 201,574
2 Claims. (Cl. 273—127)

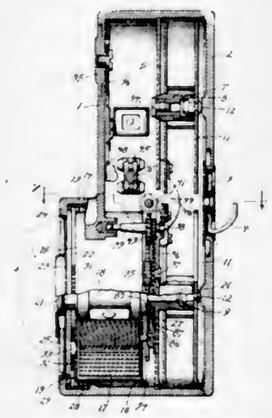


1. As an article of manufacture, a game of the character described comprising a horizontal shaft located in fixed position, a substantially rectangular frame pivoted to turn on said shaft, a rest fixed to said shaft and projecting to a distance therefrom at the level thereof at a distance from said shaft for receiving said frame and holding it in horizontal position, and pins pivotally mounted less than half the length of the pins and free to turn on said shaft, whereby, when one of the pins receives the impact of a rolled ball, it may turn over into a position where its end rests on the top of said frame in horizontal position.

2,141,959
LEAKPROOFING PACKED JOINT IN GAS DISTRIBUTION SYSTEMS
John R. Skeen, Philadelphia, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application March 1, 1937, Serial No. 128,555
7 Claims. (Cl. 48—190)

1. A method of treating the interior of a gas distribution system which comprises applying to the interior of said system a liquid selected from a group consisting of mono methyl ether of ethylene glycol and mono methyl ether of diethylene glycol.

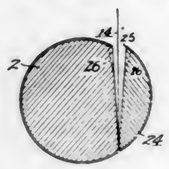
2,141,960
MOTION PICTURE CAMERA AND THE LIKE
Bruno Stechbart and George A. Brueske, Chicago, Ill., assignors to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application February 2, 1934, Serial No. 709,468
10 Claims. (Cl. 185—40)



5. A motion picture camera including an enclosing casing provided with a relatively large circular opening, a power spring device arranged in said casing in concentric relation with said opening and provided with a rotatable winding spindle and a disklike structure secured with said spindle and rotatably engaged in said opening and closing the same and forming a support for said power spring device, and a folding handle structure on the exterior of said disklike structure and secured with said spindle for winding said power spring device.

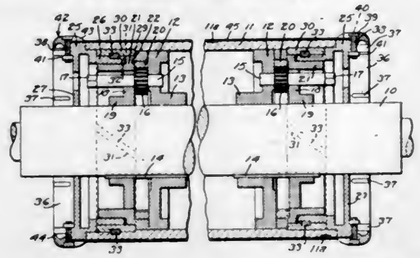
9. A motion picture camera including an enclosing casing open at one side, a frame plate secured in said casing intermediate the sides thereof and in parallelism therewith, a power spring device arranged in said casing on a transverse axis between the other side of said casing and said frame plate and including a coiled power spring and a spindle, means whereby said spindle is supported from said other side of said casing, a bored film reel spindle rotatably mounted on said frame plate in coaxial relation with said first mentioned spindle, and having its bore rotatably engaged thereon, film feeding mechanism, a multiplying gear train for driving said feeding mechanism from said spring device and including at least one gear arranged on a transverse axis and in a plane between said spring device and said frame plate, and means for driving said reel spindle from said gear train.

2,141,961
REEL ROD FOR A PRINTING CYLINDER
Isidor Tornberg, Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia
Application May 18, 1936, Serial No. 80,295
1 Claim. (Cl. 242—74)



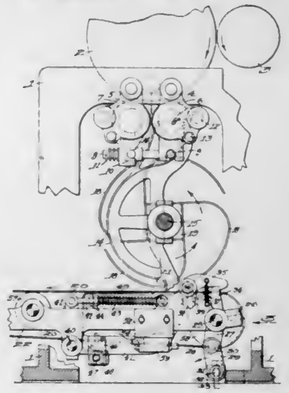
A reel rod formed of two segments, the adjacent surfaces of said segments at one side being slanted away from each other across the rod to form an opening for the insertion of a tool to permit them to be separated, and a series of springs surrounding it and yieldingly holding the parts against separation.

2,141,962
ABRASIVE DRUM FOR LEATHER SURFACING MACHINES AND THE LIKE
Edgar H. Van Valkenburgh, Gloversville, N. Y.
Application February 2, 1938, Serial No. 188,240
5 Claims. (Cl. 51—194)



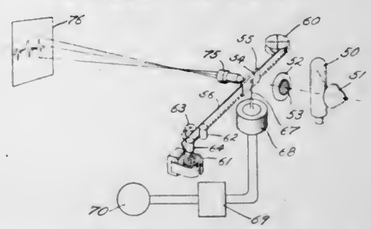
1. An abrasive drum construction comprising a metal cylindrical shell, a pair of heads one on each end of said shell, each head comprising a peripheral portion flush with the exterior of said shell and a shouldered portion fitting under said shell and the heads being rotatably mounted with respect to said shell, a central mounting shaft for the drum, hubs mounted on and fastened to said central shaft, studs journalled in said hubs, pinion gears on said studs, ring gears outside of and meshing with said pinion gears, inwardly extending cylindrical flanges integral with said heads, annular members inside of said inwardly extending cylindrical portions but outside of said studs, said annular members being threaded on the outside and in engagement with threads on the flanges, the internal gears being fastened to the annular members, and spiral directing means connecting the flanges and the drum whereby upon turning the studs the heads are moved spirally outwardly.

2,141,963
COLLAPSIBLE DELIVERY FOR PRINTING PRESSES
Henry A. Wise Wood, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia
Application December 5, 1933, Serial No. 700,967
Renewed January 12, 1938
21 Claims. (Cl. 192—127)



1. In a delivery for folded products, the combination with a delivery fan and a movable frame below the fan having delivery belts carried thereby, of a pair of folding rolls, means for moving said frame down to space the belts from the fan if a choke of products occurs at the folding rolls, and means controlled by one of said folding rolls for operating said frame moving means.

2,141,964
RECORDING PROCESS AND SYSTEM
John L. Yonkers, Evanston, Ill.
Application August 7, 1937, Serial No. 157,994
6 Claims. (Cl. 234—70)

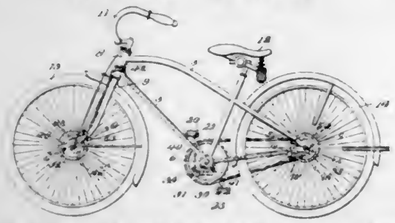


4. A reproducing system comprising a record of solid material having uniform light transmitting properties throughout the active surface thereof and upon which a record groove has been cut, a lens for projecting a primary beam of light with the focus of said beam at a record portion of said material, means for removing a central portion of the beam of light to form a symmetrically disposed unlit region terminating at the focus, a lens disposed in the normal path of the secondary light beam resulting from the operation of said record material on said primary beam, said lens axis being coincident with said secondary beam axis, said second lens being adapted to subtend the normally dark portion of the secondary beam, whereby upon the presence of a groove at the focal point of said light beam said second lens will receive refracted light and focus such refracted light on said screen for visual observation.

2,141,965
MARKING MATERIAL
Lester Aronberg, Chicago, Ill.
No Drawing. Application November 1, 1938, Serial No. 238,264
20 Claims. (Cl. 106—5)

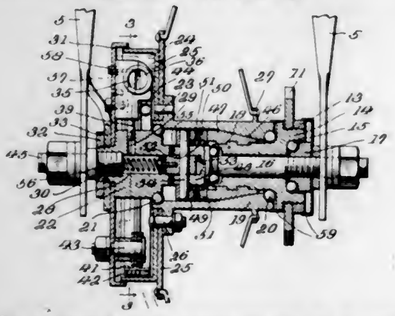
1. A solid marking implement for hot surfaces, comprising a pigment, a carrier therefor, and an acidic bonding or fixing agent capable at high temperatures of wetting the pigment and the surface to which it may be applied so as to facilitate the spreading of a film and firm adherence of the latter to said surface.

2,141,966
HYDRAULIC BRAKE
Charles Perry Ball, Jr., Torrington, Conn., assignor to The Torrington Company, Torrington, Conn., a corporation of Connecticut
Application October 11, 1937, Serial No. 168,511
14 Claims. (Cl. 192—5)



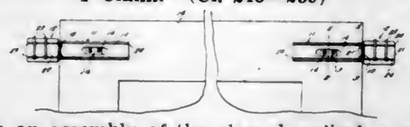
1. In hydraulic braking apparatus for bicycles including front and rear wheels, a frame having a crank bearing, a crank rotatable in the bearing and power transmitting connections between the crank and the rear wheel; hydraulically operable braking equipment for a wheel of the bicycle, and means disposed at the crank bearing and actuated by back pedaling movement of the crank for operating said braking equipment.

2,141,967
HYDRAULIC BRAKE
Charles Perry Ball, Jr., Torrington, Conn., assignor to The Torrington Company, Torrington, Conn., a corporation of Connecticut
Application October 11, 1937, Serial No. 168,512
7 Claims. (Cl. 192—6)



1. In a bicycle, the combination of a driving wheel having a hub, an axle on which said hub is mounted for rotation, a propelling crank and power transmitting connections therefor, a brake drum attached to said hub and having a braking surface disposed radially outward from the hub, an hydraulic braking means disposed within said drum and including a fluid actuator cylinder, a fluid reservoir disposed axially of the hub, a fluid conduit connecting the reservoir with the actuator cylinder, means operable upon back pedaling of the crank for exerting pressure against the fluid in the reservoir and effecting a brake application, and means for releasing the brake when the pressure on the fluid is relieved.

2,141,968
WINDOW FIXTURE
Carl W. Banker, Tiltonsville, Ohio
Application July 27, 1937, Serial No. 155,978
1 Claim. (Cl. 248—259)



In an assembly of the class described, a relatively fixed adapter bracket having outwardly spaced upper and lower flanges, a slide mounted thereon, said slide constituting a shade supporting bracket and being provided with keeper flanges adapted to receive the flanges of the fixed bracket, a drapery bracket provided with drapery rod attaching hooks and having a reduced end portion telescopically engaging with said keeper flanges, said drapery bracket including the reduced end portion thereof being provided with longitudinally extending pressed-out friction locking ribs, the ribs of the reduced end portion being cooperable with said keeper flanges and longitudinal ribs on the slide frictionally engaging the flanges of the fixed bracket and the ribs on the reduced end portion of the drapery bracket to secure the parts in adjusted position.

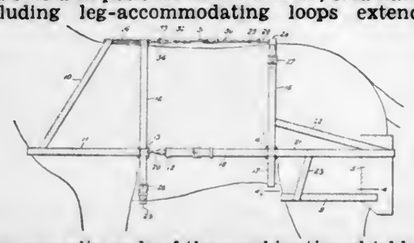
2,141,969
MASSAGE DEVICE FOR TOOTH BRUSHES
George W. Benz, St. Paul, Minn., assignor to Lactona, Incorporated, a corporation of Minnesota
Application June 1, 1936, Serial No. 82,815
3 Claims. (Cl. 128—62)



1. An interdental element adapted to be detachably secured to a handle having a transverse opening adjacent one end thereof and comprising a body of yieldable material having a base underface engageable with a side face of the handle, and having a thin outwardly tapering interdental massage and cleaning portion terminating in a point at its outer end, a shank of smaller diameter than the base underface adapted to be inserted through the handle opening, a frustro-conical portion of smaller diameter than the underface connecting the shank to the base underface, and an enlarged clamping head at the rear end of the shank having an inner face adapted to clamp against the handle at one end of the handle opening.

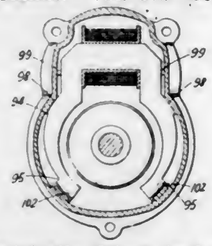
2,141,970
COMBINATION SANITARY PAD AND SHIELD AND HARNESS THEREFOR
Roy P. Buckingham, Baldwin, Md., assignor of fifty per cent to George C. MacLarty, Baltimore, Md.
Application May 19, 1938, Serial No. 208,924
4 Claims. (Cl. 119—143)

1. In combination, a combination protective shield and pad for disposition across the buttocks of an animal and a harness connected therewith for securing and supporting the combination pad and shield in position on the animal, said harness including leg-accommodating loops extending



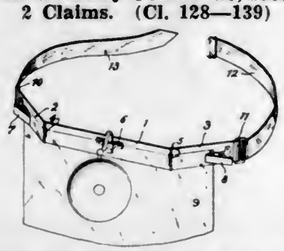
from opposite ends of the combination shield and pad for accommodating the hind legs of the animal, side straps having rear portions connected with the pad and short straps connecting the side straps with the forward portions of the leg loops.

2,141,971
PORTABLE ELECTRIC DRILL AND THE LIKE
Charles Desoutter, London, England
Application April 29, 1937, Serial No. 139,820
8 Claims. (Cl. 172—36)



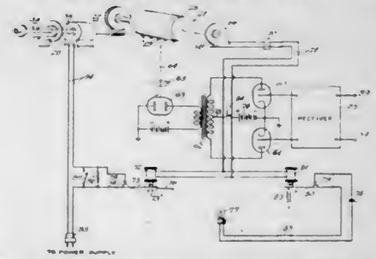
1. In an electrically driven tool of the character described, an outer casing, an electric motor located in said casing comprising an armature with shaft and a horseshoe magnet with windings, projections on the exterior of the two limbs of said magnet, the said projections having locating surfaces generated from the armature axis, and co-operating locating surfaces on the interior of the outer casing also generated from the armature axis.

2,141,972
FACE SHIELD
Malwin Feiler, Frankfort-on-the-Main, Germany
Application October 16, 1936, Serial No. 105,906
In Germany October 26, 1935
2 Claims. (Cl. 128—139)



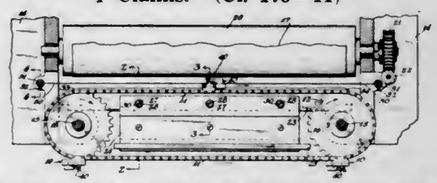
1. In combination a head band and a face shield comprising a sheet of thin, highly flexible and easily tearable transparent material, said head band consisting of a bendable front portion having a length slightly greater than the width of a face to be covered by said shield and being formed of a substantially non-stretchable material, and an adjustable portion joined to said front portion, clasp members secured to said front portion adjacent the ends thereof, said first named material being removably held by said clasp members throughout substantially its entire width to said front portion and being arched by said front portion to cover the face of a user when said band is placed upon the head of said user.

2,141,973
METHOD OF AND APPARATUS FOR FACSIMILE SIGNALING
William G. H. Finch, Spuyten Duyvil, N. Y.
Application March 4, 1937, Serial No. 128,920
4 Claims. (Cl. 178—69.5)



1. In a facsimile system provided with a transmitter comprising a picture scanning mechanism, motive means for operating said mechanism at a predetermined rate, means for generating electrical signals in accordance with the elemental shading of a picture to be transmitted and means for generating predetermined cyclic signals in accordance with the transmitter scanning operation: a receiver comprising a scanner; a motor directly geared to said scanner and operable at a substantially constant rate independent of said predetermined rate; means responsive to said cyclic signals for predetermining the initial phase position of the receiver scanning operation; a speed changing means connectible in the motor circuit for changing the motor speed from said constant rate; and means operable by the cyclic signal responsive means for rendering said speed changing means ineffectual whereby said motor is returned to said substantially constant speed when the scanner is placed in initial phase synchronism.

2,141,974
HIGH SPEED FACSIMILE RECORDER
William G. H. Finch, New York, N. Y.
Application December 8, 1937, Serial No. 178,654
4 Claims. (Cl. 178—11)



1. A multi-stylus facsimile recorder comprising two spaced rails parallel to the record sheet for successively guiding each stylus in the recording path, each stylus having a body portion with roller means secured to one side of said body portion arranged to roll against one of said rails, and a roller secured to another side of said body portion for coaction with the other of said rails, whereby a rigid guiding arrangement is effected for each stylus on successive engagement with the rails during the recording excursion, a pair

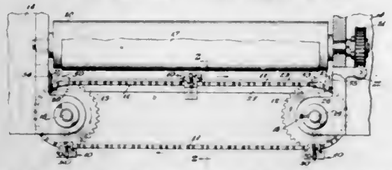
of wires stretched parallel to the rails and arranged to press the rollers against said rails to prevent fluttering thereof during the recording excursion.

2,141,975

MULTIPLE STYLUS FACSIMILE RECORDER

William G. H. Finch, Spuyten Duyvil, N. Y.

Application March 31, 1938, Serial No. 199,141
12 Claims. (Cl. 178—8)



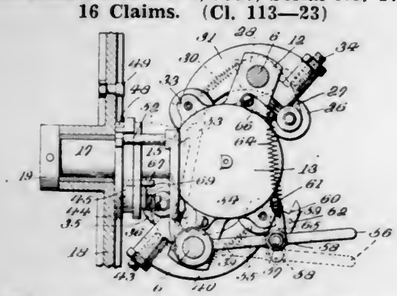
1. A facsimile scanner comprising a conveyor; mechanism for driving said conveyor; a plurality of stylus units spacedly fastened on said conveyor; a guiding member for said stylus units; and means individual to each of said stylus units for coacting with said guiding member to rigidly guide each stylus point in a predetermined linear scanning path comprising a pair of rollers for riding on one side of said guiding member, and an element extending from the stylus unit on the opposite side of said guiding member.

2,141,976

CAN HEAD SEAMING MACHINE

Frank Edward Fowler, Athens, Ga., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application December 3, 1937, Serial No. 177,977
16 Claims. (Cl. 113—23)



1. In a power operated can head seamer, the combination of head seaming means including seaming roller equipment and roller supporting arm equipment movable inwardly and outwardly with respect to a can head to be seamed to bring about or discontinue seaming roller and can head engagement, power applying means, clutch devices for connecting the power applying and head seaming means, and means manually actuated for engaging the clutch devices and initiating a head seaming operation and automatically operable by movement of said roller supporting arm equipment for disengaging the clutch devices and terminating the head seaming operation.

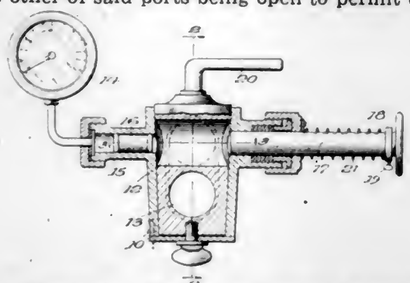
2,141,977

APPARATUS FOR DETERMINING THE GASEOUS CONTENT OF MATERIALS

Chester Earl Gray, Oakland, Calif.

Application December 21, 1936, Serial No. 117,054
3 Claims. (Cl. 73—151)

2. In a device for determining the gaseous content of a mixture, containing an incompressible ingredient the combination of a conduit for the mixture, a rotary member in said conduit, said member having two ports extending therethrough at an angle to each other, means for sealing one of said ports to confine a body of mixture therein, the other of said ports being open to permit con-



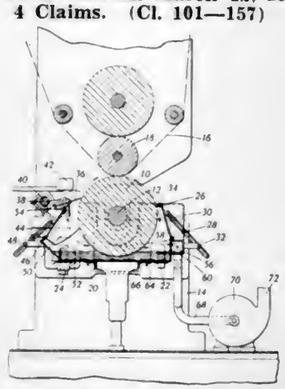
tinued movement of mixture through the conduit, means for compressing the body of mixture confined within the sealed port, and means responsive to variations in the density of the confined mass.

2,141,978

ROTARY PRINTING OR COATING MACHINE

David Greenhill, Watford, England, assignor to The Sun Engraving Company Limited, Watford, England, a British company

Application March 11, 1937, Serial No. 130,410
In Great Britain March 12, 1936
4 Claims. (Cl. 101—157)



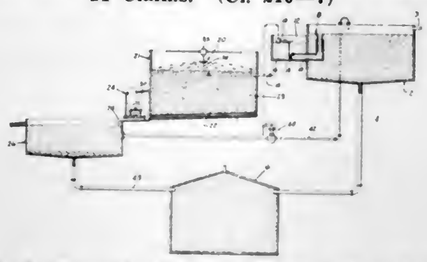
1. In a rotary intaglio printing machine, in combination, an ink container comprising walls partially enclosing the printing cylinder, a duct communicating with the interior of said ink container, and means for continuously withdrawing air from said ink container through said duct.

2,141,979

PROCESS FOR TREATING SEWAGE TO PURIFY THE SAME

H. Orin Halvorson and Randolph L. Smith, St. Paul, Minn.

Application September 25, 1936, Serial No. 102,558
11 Claims. (Cl. 210—7)



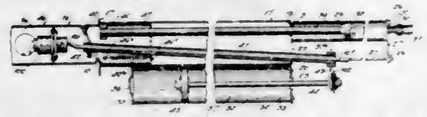
1. A process for treating sewage in a trickling filter open to atmosphere to purify the same, which comprises applying filter influent to the filter at a distribution ratio of less than substantially ten to one.

2,141,980

AUTOMATIC SIGNALING APPARATUS

Joseph R. Hansen, Hanford, Calif.

Application June 1, 1937, Serial No. 145,837
4 Claims. (Cl. 116—39)



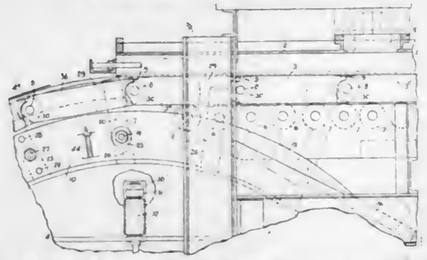
1. In a signaling apparatus, a normally horizontally disposed retracted hollow signal element formed of an outer and an inner section hinged together at their tops and normally disposed in endwise abutting relation, a suction operated outwardly shiftable projector for said element extending through said inner section into and pivotally connected at its outer end to said outer section, a suction operated rearwardly shiftable retractor extending into and fixed at its outer end of said inner section, and means for controlling the extent of the outward shift of the projector to change the signaling position of said element.

2,141,981

APPARATUS FOR CASTING METAL

Frank William Harbord and Vernon Harbord, London, England

Application December 5, 1936, Serial No. 114,519
In Great Britain January 8, 1936
6 Claims. (Cl. 22—57.4)



1. Means for propelling a continuous mould element in a continuous casting machine, comprising at least two propelling devices including sets of driving arms arranged simultaneously to engage with the continuous mould element at successive positions on its path, actuating means for applying driving power, and differential driving means, interposed between said actuating means and said propelling devices for distributing the driving power between said propelling devices, said differential driving means comprising one primary element to which driving power is applied by said actuating means, and a number of secondary elements operatively connected to said primary driving element so as to be differentially driven by it and arranged to drive one propelling device each, so as to distribute the driving power applied to the said primary element between the said propelling devices.

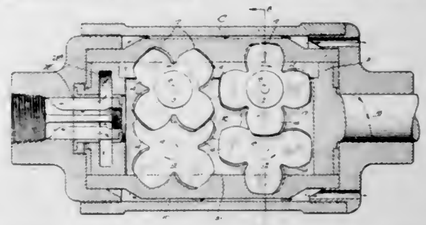
2,141,982

ROTARY MOTOR

Paul E. Good, Riverton, N. J.

Application April 16, 1935, Serial No. 16,719
Renewed May 21, 1938
23 Claims. (Cl. 121—67)

10. In a rotary motor or the like, a stator having two circumferential series of spiral grooves arranged in parallel bands, the grooves of said series being oppositely spiraled, a rotor fitting the stator and having two groups of rotatable lobe piston elements the lobes of which coact with said grooves to block the same, and a supply port in the rotor traversing a circumferential band of



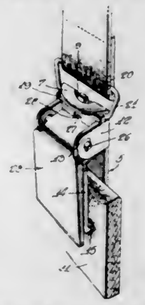
the stator including those ends of the grooves of both series first engaged by the lobes of the associated piston elements, the piston elements associated with each series of grooves being two in number and being disposed in overlapping engagement and means to exhaust fluid from the grooves.

2,141,983

CLASP

Gabriel S. Hawie, Bridgeport, Conn., assignor to The Hawie Manufacturing Co., Bridgeport, Conn., a corporation of Connecticut

Application December 13, 1937, Serial No. 179,587
5 Claims. (Cl. 24—250)



2. A clasp comprising a stationary jaw and a swingable jaw, means pivotally connecting the upper end portions of the jaws and constraining the movable jaw to swing about a fixed axis, flanges arranged at the lower ends of the jaws and projecting toward one another for clamping a garment to the clasp, a lever arranged substantially parallel to said jaws and having its upper end pivotally connected to the upper end portion of the stationary jaw, the movable jaw being slotted, and a tongue projecting from the upper end of the lever into the slot and engageable with the movable jaw for swinging the movable jaw into a widely opened position when the lever is swung outwardly and upwardly about its pivot.

2,141,984

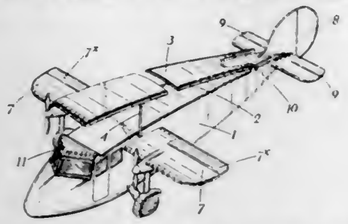
AIRPLANE

Saleh Hilmy, Heliopolis, Cairo, Egypt

Application February 18, 1935, Serial No. 7,092
In Great Britain February 20, 1934
3 Claims. (Cl. 244—43)

1. The combination with a fuselage housing of an airplane having rudimentary lateral wings; of a wing normally resting on top of said housing, said wing normally extending from a point adjacent the front of the housing top to a point ad-

jacent the rear end of the housing top and conforming in width to said housing top, means operatively engaging the forward part of said wing

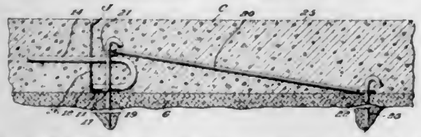


to raise its forward end and incline the wing upward from front to rear, and an operating mechanism for said means.

2,141,985
MANUFACTURE OF ESTERS OF SALICYLIC ACID
Walter Edward Huggett, Ilford, England
No Drawing. Application June 2, 1937, Serial No. 146,115. In Great Britain June 24, 1936
7 Claims. (Cl. 260—474)

1. A method of preparing esters of salicylic acid with phenols which comprises heating a salicylic ester of an alcohol of low boiling point together with a phenol in presence of a catalyst selected from the group consisting of the alkali metal phenates and alkaline earth metal phenates, and distilling off the said low-boiling alcohol as it is formed during the reaction.

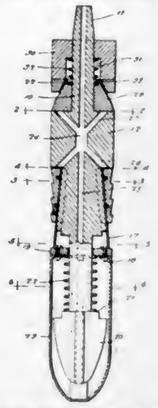
2,141,986
JOINT AND DOWEL STRUCTURE FOR ROADWAYS
Louis B. Johnson, Baltimore, Md.
Application January 25, 1938, Serial No. 186,881
3 Claims. (Cl. 94—18)



1. A paving construction unit comprising a supporting member having a vertical portion, a plurality of dowels positioned at spaced intervals extending above said member and transversely thereof, said dowels each having an extension rigidly connected to said member, and a contraction member secured to said dowels in alignment with and spaced from said vertical portion.

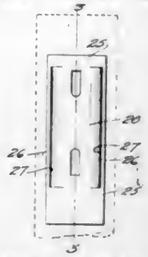
2,141,987
CASING SPEAR
Franklin P. Jones, Borger, Tex., assignor of one-half to Homer Leander Jones, Great Bend, Kans.
Application October 21, 1937, Serial No. 170,295
4 Claims. (Cl. 294—96)

1. A hydraulic casing spear comprising a body having a circulating passage therethrough, said body being also provided with a series of ribs projecting radially therefrom and extending longitudinally, said body in the region of said ribs being provided with a pressure chamber intersected by said circulation passage, ports extending through the ribs from said passage and opening at the upper and lower ends of said ribs, packing on said body above the ribs adapted to be expanded radially outwardly by hydraulic pressure, guide ribs on the body below and in substantial alignment with the first named



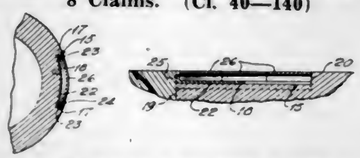
ribs, slips movable upon the guide ribs, said slips adapted to be forced downwardly by hydraulic pressure into expanded position.

2,141,988
PLAQUE HOLDER AND METHOD OF MAKING THE SAME
David Kahn, Woodcliff, N. J., assignor to David Kahn, Inc., Township of North Bergen, Hudson County, N. J., a corporation of New Jersey
Application March 30, 1937, Serial No. 133,913
22 Claims. (Cl. 40—140)



2. A thin sheet metal blank for a combination plaque holder and clip including a body of elongated rectangular form having side edges and end edges, said blank having a pair of spaced longitudinal slits and a short transverse slit at each end of each longitudinal slit and extending laterally from the longitudinal slits, and means adapted to form a clip portion.

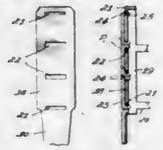
2,141,989
PIPE AND PLAQUE HOLDER THEREFOR
Karl Weisser, Union City, N. J., assignor to David Kahn, Inc., Township of North Bergen, Hudson County, N. J., a corporation of New Jersey
Application September 27, 1937, Serial No. 165,951
8 Claims. (Cl. 40—140)



8. In combination, a smoker's article such as a pipe, an initial plaque holder carried in an under-

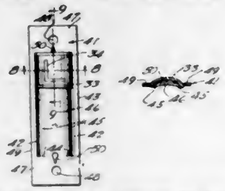
cut groove in said article, said plaque holder being of a size and shape to closely fit said groove and having a spring engagement with the sides of the groove, an opening in said plaque holder to permit the springing of the plaque holder during the insertion of the plaque holder in the groove, and interchangeable initial plaques removably mounted in said holder.

2,141,990
PLAQUE HOLDER FOR WRITING INSTRUMENTS AND THE LIKE
David Kahn, Woodcliff, N. J., assignor to David Kahn, Inc., Township of North Bergen, Hudson County, N. J., a corporation of New Jersey
Original application October 29, 1936, Serial No. 108,268. Divided and this application October 4, 1937, Serial No. 167,292
10 Claims. (Cl. 40—140)



1. In combination with a plaque holder comprising a plaque holding frame having a face provided with openings therein, and edge portions struck downwardly from said face, a plurality of initial plaques having means thereon insertable in said openings constructed and arranged to position said plaques on said plaque holding frame, and means extending from the edge portions of said frame constructed and arranged to fasten the plaque holder to an instrument.

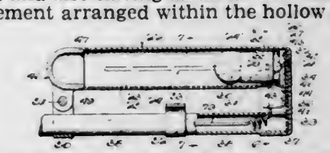
2,141,991
PLAQUE HOLDER AND BLANK
David Kahn, Woodcliff, N. J., assignor to David Kahn, Inc., Township of North Bergen, Hudson County, N. J., a corporation of New Jersey
Application January 7, 1938, Serial No. 183,913
16 Claims. (Cl. 40—140)



10. In combination, a plaque holder having a saddle comprising a central portion and a free skirt portion, a side edge spaced from said skirt portion, a plaque having a radius of curvature less than said saddle and having its side edge held between said free skirt portion and the aforementioned side edge of said plaque holder, and its central portion spaced from the central portion of said saddle.

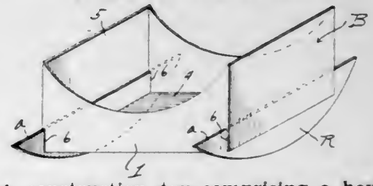
2,141,992
DIRECTION INDICATOR FOR VEHICLES
Henry Kershaw, Kearney, N. J.
Application June 15, 1937, Serial No. 148,389
7 Claims. (Cl. 177—329)

2. A signal device for vehicles comprising, a tube to be secured to the vehicle, a hollow arm mounted upon the tube and having a socket, a casing having a signal element adapted to be illuminated and provided at one end with a socket-extension for insertion within the socket and to be removed therefrom, an electric bulb to be arranged within the casing and having an outer terminal to engage within the socket-extension and also having an inner terminal, a contact element arranged within the hollow arm and



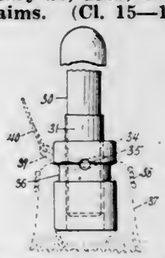
insulated therefrom and adapted to engage the inner terminal, a wire extending through the tube and connected with the contact element, a cap detachably connected with the end of the casing remote from the socket-extension, and means to mount the cap upon the tube.

2,141,993
CONSTRUCTION TOY
Florence Van Dyck Kreider, Lebanon, Pa.
Application October 11, 1938, Serial No. 234,458
3 Claims. (Cl. 46—11)



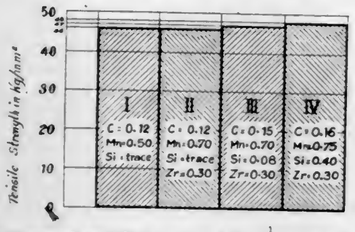
1. A construction toy comprising a box body having a bottom wall and side walls of a material to be cut by scissors or other cutting implement, the bottom wall of the box body closely adjacent to the ends thereof being provided therealong with lines to indicate lines of cut, said lines having their end portions continued upwardly of the side walls of the box body, the side walls of the box body and the upper portions thereof being also provided with arcuate lines to denote lines of cut.

2,141,994
MOP
William A. Lamkey, Brooklyn, N. Y.
Application January 27, 1937, Serial No. 122,671
2 Claims. (Cl. 15—147)



1. A mop comprising a mop stick, a mop holder, a mop swab on said mop holder, and means for attaching said mop holder and swab to the mop stick, said mop holder having a cylindrical recess to receive the end of the mop stick therein and aligned holes extending through said end of the mop stick and the mop holder, and mop material extended from the mop swab through the aligned holes and adapted to swell when the mop swab is first wetted in use, to fasten the mop holder and mop swab to the mop stick until said mop material is cut to release the mop stick from the mop holder and swab.

2,141,995
WELDING WIRE
Franz Leitner, Kapfenberg, Austria
Application June 21, 1935, Serial No. 27,769
4 Claims. (Cl. 219—8)

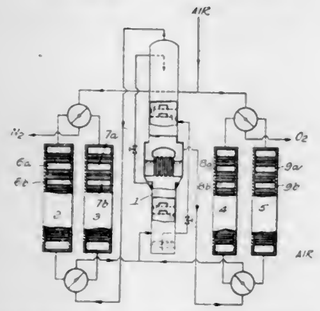


1. Improved welding core-wire containing iron as the major element and 0.35% to 0.80% Si, 0.40% to 1.30% Mn and 0.10% to 1.20% Zr, said core-wire also containing an element selected from a group consisting of alkalines and earth-alkalines.

2,141,996
WIRE FOR ELECTRIC WELDING
Franz Leitner, Kapfenberg, Austria
No Drawing. Application March 9, 1937, Serial No. 129,959. In Great Britain January 7, 1937
4 Claims. (Cl. 219—8)

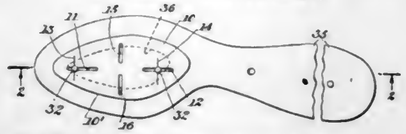
1. A cored wire for producing a welded joint of high endurance limit strength under repeated stresses composed of 0.12 to 0.32% carbon, 0.35 to 1% silicon, 0.7 to 1.6% manganese, 0.25 to 0.5% zirconium and the remainder iron, the core being composed of 80 to 95% lime, 2 to 15% aluminum and 3 to 15% manganese.

2,141,997
PROCESS FOR THE DECOMPOSITION OF AIR BY LIQUEFACTION AND RECTIFICATION
Richard Linde, Munich, and Helmuth Hausen, Solln, near Munich, Germany
Application May 5, 1937, Serial No. 140,972
In Germany May 19, 1936
8 Claims. (Cl. 62—175.5)



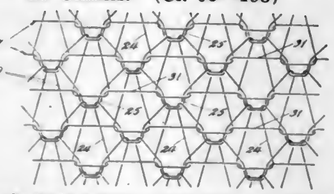
1. In a process for the decomposition of air by liquefaction and rectification in which air of high moisture content is prepared for the liquefaction and rectification by heat exchange with the decomposition products in a periodically changed cold storer, the step which consists in cooling the warm end of the cold storer in addition to the cold applied by the sensible cold of the decomposition products contacting therewith and that produced by the evaporative cooling of the water condensed from the air.

2,141,998
METHOD OF LASTING SKELETON INSOLES
Fred Maccarone, Brooklyn, N. Y., assignor to The Del-Mac Shoe Process Corporation, New York, N. Y.
Application March 30, 1935, Serial No. 13,872
2 Claims. (Cl. 12—142)



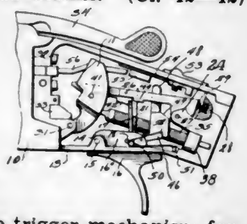
1. In shoemaking, positioning a skeleton insole on a last bottom, providing a flat plate of stiff material shaped to correspond with the central area lying within the lasting margins of the insole forepart, tacking the plate directly to the last at the skeletonized area of the insole forepart to clamp the insole tightly against the last, lasting an upper in secured relation to the insole margin lying outwardly of the plate, and then trimming away surplus upper material about the edges of the plate, said plate serving as a pattern for the trimming operation.

2,141,999
KNITTED FABRIC AND METHOD OF MAKING SAME
James McNamee, Ballston Spa, N. Y.
Application January 31, 1938, Serial No. 187,994
10 Claims. (Cl. 66—198)



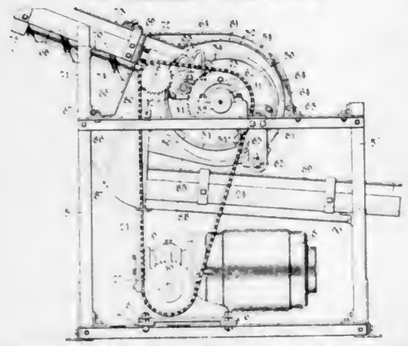
1. A weft knit fabric containing a plurality of courses each knit of two yarns, one yarn being knit at least in every alternate wale of the fabric and the other yarn only in the intervening wales in the same course, the stitches of the first-mentioned yarn being normal tight stitches and the length of the second yarn in such a course being not more than half that of the first yarn, whereby the fabric is held compact in a substantially inelastic condition.

2,142,000
SINGLE TRIGGER MECHANISM FOR DOUBLE-BARRELED GUNS
Elmer E. Miller, Millersburg, Pa.
Application July 8, 1937, Serial No. 152,631
11 Claims. (Cl. 42—42)



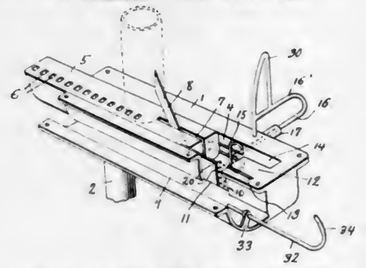
1. A single trigger mechanism for double-barreled guns having two hammers and a single trigger; including two sears coacting with the respective hammers, a trip pivoted upon the trigger for swinging movement longitudinally of the gun, the sears each having a depending lug, the lug of one sear being disposed rearward of the lug of the other sear and the trip being initially in operative position beneath the lug of one sear, and means constructed and arranged to positively engage with and automatically shift the trip in either direction from beneath the lug of the first named sear to a position beneath the lug of the other sear upon the release of the trigger after the firing of one barrel.

2,142,001
APPARATUS FOR DRYING CANS
Herbert L. Minaker and Lancelot Yarwood, Syracuse, N. Y., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application January 5, 1937, Serial No. 119,164
19 Claims. (Cl. 34—4)



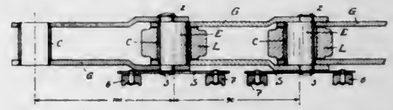
1. In can drying apparatus, a single conveyor having a pocket for receiving a can and shaped to conform substantially to and closely embrace a considerable portion of the external contour of the can, means for moving the conveyor through space, and means effective during travel of said conveyor for opening communication between said pocket and an evacuated chamber to subject the external surface of a can in said pocket to a vacuum-induced air current.

2,142,002
CITROUS FRUIT JUICE EXTRACTOR
John Mocharnuk, McCamey, Tex., assignor of one-half to D. Crockett Fisher, McCamey, Tex.
Application September 24, 1937, Serial No. 165,589
3 Claims. (Cl. 100—42)



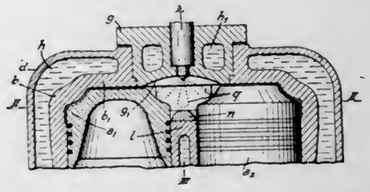
1. A device of the class described comprising a body member having a pair of parallel channels therein with an opening causing one channel to communicate with the other, a plunger arranged in one channel part and having a door part at its front end closing the opening when the plunger is in its forward position, a hopper, the bottom of which is uncovered when the plunger is retracted for permitting a fruit to drop therefrom into the channel, a knife extending into the said channel for cutting the fruit into halves when the plunger forces the fruit against the knife, said plunger pressing the cut fruit against an end part of the channel for pressing the juice therefrom, said channel having perforations in its bottom, manually operated means for reciprocating the plunger, means actuated from such means for forcing the pressed fruit through the door controlled opening into the second channel and means also operated by the manually operated means for forcing the pressed fruit through the second channel.

2,142,003
CONVEYER CHAIN
Konrad Mörgelin, Karlsruhe, Germany
Application December 23, 1937, Serial No. 181,444
In Germany December 3, 1936
6 Claims. (Cl. 34—48)



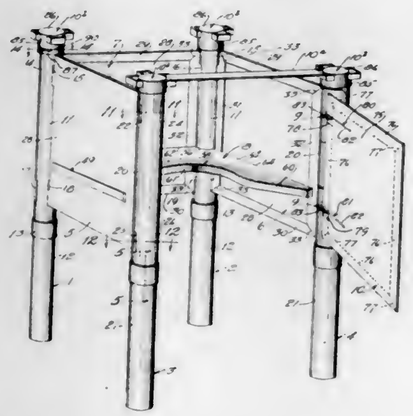
1. A conveyer chain composed of a plurality of links having side plates, bushes connecting said side plates, jointing pins connecting said side plates and bushes of one link to the side plates of the adjoining link, and actuating levers on said jointing pins, said jointing pins being mounted to turn eccentrically in said bushes.

2,142,004
CYLINDER HEAD FOR TWO-CYCLE DOUBLE-BORE-CYLINDER INTERNAL COMBUSTION ENGINES
August Portmann, Winterthur, Switzerland, assignor to the firm Schweizerische Lokomotiv- & Maschinenfabrik, Winterthur, Switzerland
Application August 16, 1937, Serial No. 159,413
In Germany August 17, 1936
1 Claim. (Cl. 123—53)



In a cylinder head arrangement for two-cycle internal combustion engines, an apertured cylinder head, two cylinder bores extending collaterally in spaced relation and opening endwise to said cylinder head, a communication channel open along one side thereof interconnecting said two bores at said open ends of the same, a sectional lid-like insert arranged in an aperture in said cylinder head substantially concentrically with the central axis between said two cylinder bores, said insert comprising an outer insert part limiting said channel at said open side of the latter, and an inner insert part constituted by an inner web and two flaps connected with said web laterally of said channel, said web and said flaps limiting the bottom and both lateral sides of said channel and lining the water cooled surfaces of said channel adjacent to said inner insert part in the inserted position of the latter in said head.

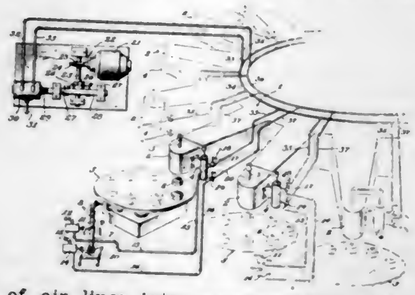
2,142,005
KNOCK-DOWN STRUCTURE
David Roberts, Sedalia, Mo.
Application December 27, 1937, Serial No. 181,924
8 Claims. (Cl. 20—3)



1. In a knock-down structure for the purpose set forth, a pair of rear and a substantially rigid pair of front corner posts, a rear wall forming element of panel-like form, said rear posts and element having superposed coacting interengaging means for detachably connecting them together, said element having its coacting means extended from its side edges, a substantially rigid pair of side wall forming elements of panel-like form, each arranged between a rear and a front corner post, each side wall forming element and the posts between which it is arranged having superposed coacting interengaging means for detachably connecting them together, each of said side wall forming elements having its coacting means extended from its front and rear edges, a pair of spaced apertured superposed hinge connection elements, one of said corner posts and said hinge connection elements having superposed coacting means for detachably connecting the hinged connection elements in superposed spaced relation to such corner post, and a substantially rigid door element of panel-like form having superposed spaced means engaging in the apertures of the hinge connection elements for pivotally suspending the door element relative to the corner post to which the hinge connection elements are detachably connected.

2,142,006
TIMING SYSTEM FOR GLASS FEEDERS
Herman P. Schaffer and Dore O. Headley, Washington, Pa., assignors to Hazel-Atlas Glass Co., Wheeling, W. Va., a corporation of West Virginia
Application December 15, 1936, Serial No. 116,020
3 Claims. (Cl. 49—5)

1. A timing system for continuously operating glass feeders, including a forming machine, a cylinder-operated feeder associated with the forming machine, a timing cam shaft associated with the forming machine, valves operated by the cam shaft, air lines leading from the valves to the top and bottom of the feeder cylinder, other air lines leading to the top and bottom of the feeder cylinder, means for periodically admitting air pressure to the last-mentioned air lines to continue the feed when the forming operation is discontinued, and valves to throw either

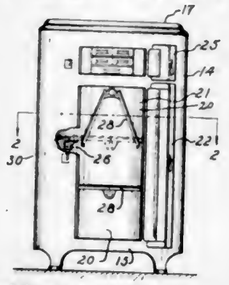


set of air lines into communication with the feeder cylinder.

2,142,007
MANUFACTURE OF ARTIFICIAL SILK
Paul Schlack, Berlin-Treptow, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany
No Drawing. Application September 20, 1935, Serial No. 41,500. In Germany September 20, 1934
12 Claims. (Cl. 18—54)

1. A process of producing artificial fibers and films having an increased affinity for dyes which comprises adding to the solution of an organophil colloid an artificial resin containing an alkylating group, forming the product from said solution, and treating the formed product with a compound selected from the group consisting of amines and amine derivatives.

2,142,008
ELECTRICAL REFRIGERATOR SHELF
Harold V. Scott, Detroit, Mich.
Application May 21, 1937, Serial No. 144,059
3 Claims. (Cl. 312—183)

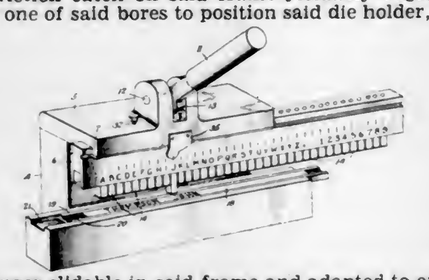


1. In a refrigerating chamber, a cylindrical wall, spaced brackets attached to the said cylindrical wall and the brackets having cups carrying anti-friction balls, a circular detachable tray comprising spaced rods, the said rods secured to a downwardly curved peripheral member and the said downwardly curved peripheral member engaging the said anti-friction balls so that the circular tray can be rotated at will.

2,142,009
EMBOSSING MACHINE
William R. Siebert, Brooklyn, N. Y., assignor of sixty-six and two-thirds per cent to Acme Bulletin & Directory Board Corp., New York, N. Y.
Application January 14, 1937. Serial No. 120,581
4 Claims. (Cl. 197—6.2)

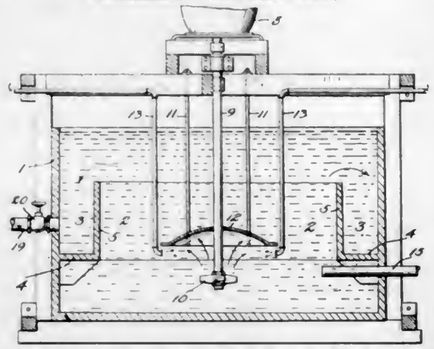
1. A machine of the character described comprising in combination, a supporting frame, a die

holder movably mounted in said frame and having a series of bores therein, a plurality of character forming dies slidably carried in said bores, a friction catch on said frame yieldably engaging one of said bores to position said die holder, a



plunger slidable in said frame and adapted to engage one of said dies to actuate the same, a work supporting carriage movably retained on said frame, and feeder means actuated by movement of one of said dies to intermittently advance said carriage.

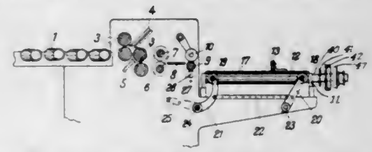
2,142,010
APPARATUS FOR CLEANING SAND
Orta D. Sisson, Oakland, Calif., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Original application April 16, 1936, Serial No. 74,747. Divided and this application October 8, 1936, Serial No. 104,729
5 Claims. (Cl. 209—169)



1. Apparatus for cleaning sand for glass batches including an agitator tank adapted to contain water, a partition within the tank having its top below the top of the tank and dividing the tank into an inner and outer compartment, said inner compartment being entirely within the boundaries of the agitator tank, said compartments being non-communicating except through the upper end of the inner compartment, means for delivering sand to the inner compartment, means for delivering reagents to the inner compartment to cause iron and other impurities in the sand to float to the surface of the inner compartment, means for causing the sand to rise and while below the surface of the water to pass into the outer compartment, and means for drawing off the sand from the outer compartment.

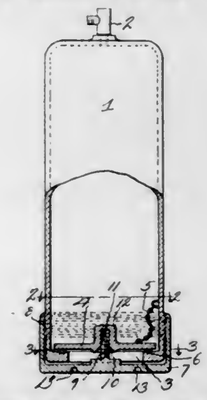
2,142,011
SHEET DELIVERY APPARATUS FOR FOLDING MACHINES
Georg Spiess, Leipzig, Germany
Application December 2, 1936, Serial No. 113,900
In Germany December 3, 1935
4 Claims. (Cl. 271—64)

1. Sheet delivery apparatus for transverse feeding tables of folding machines, said folding machine including means for delivering sheets in one direction to said transverse feeding table, rolls on said table for moving said sheets transversely of said direction of delivery, means for driving said rolls, means on said table movable in said delivery direction, said last means normally being maintained in an inoperative posi-



tion below the plane of the top surface of said rolls, means for raising said last means to an operative position above the plane of the top surface of said rolls, and means for driving said raised means to deliver sheets from said table in a direction corresponding substantially to said direction of delivery.

2,142,012
LIQUEFIER
Albert T. Thompson, New Orleans, La.
Application July 13, 1937, Serial No. 153,452
2 Claims. (Cl. 220—39)

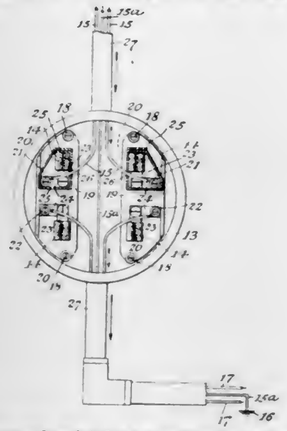


1. The combination with a liquefier closure plate disposed within a receptacle end and cooperating with a filling opening in said end, of means for moving said closure plate towards closed position, said means comprising a cap threaded on the receptacle end, a threaded extension carried by the cap and extending axially through the filling opening and threaded into the cover plate, the thread of said cap and extension in the cover plate being of a pitch whereby when the cap is rotated the cover plate will be moved to closed position at a greater rate of speed than the cap for insuring a rapid seating of the cover plate.

2,142,013
METER INSULATION AND PROTECTIVE BARRIER
Frederick Holte Willes, West Palm Beach, Fla.
Application July 1, 1937, Serial No. 151,506
2 Claims. (Cl. 247—2)

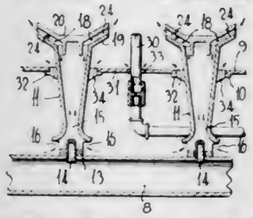
1. In combination with a sectional meter casing, one section of which has a back plate, conductor wires leading into the casing and other conductor wires leading therefrom, clusters of terminals to which the conductors are connected, and guards whose edges are parallel to the back

plate and interposed between the said sections of the casing, each of said guards having a hole in



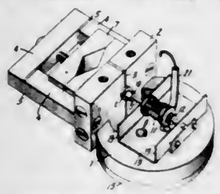
its wall through which a conductor extends to the cluster enclosed by the guard.

2,142,014
GAS BURNING MEANS
John S. Zink, Tulsa, Okla.
Application December 2, 1937, Serial No. 177,788
13 Claims. (Cl. 158—99)



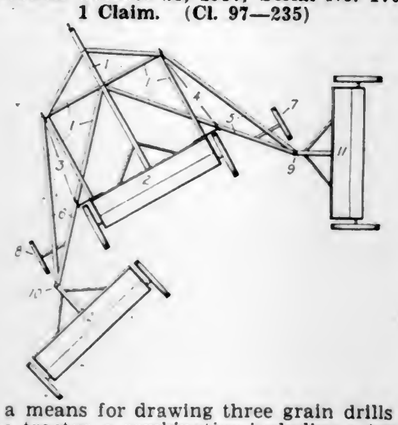
1. In a burner of the character described, an elongated head provided with a substantially V-shape throat, means obstructing the throat and cooperating with the head to form a series of diverging passageways at opposite sides of the head, tubular means for supplying a gaseous fuel mixture to the throat, and other obstructions cooperating with said tubular means and with the throat to evenly distribute the mixture from the tubular means lengthwise of the throat.

2,142,015
REVERSE CURRENT RELAY
Burnice D. Bedford, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 24, 1936, Serial No. 65,293
7 Claims. (Cl. 200—93)



1. An electromagnetic device comprising a unidirectional magnetizing element, a shunt magnetic path bridging said unidirectional magnetizing element and having a relatively high reluctance portion, a second magnetic path of relatively high reluctance, a magnetizing element associated with said second magnetic path, for establishing a unidirectional flux in said second magnetic path in accordance with a predetermined electrical quantity and for effecting substantial saturation of said second magnetic path when said electrical quantity reverses direction from a predetermined normal direction so as to prevent demagnetization of said unidirectional magnetizing element, said unidirectional magnetizing element being arranged to establish in said shunt path a component of unidirectional flux and to provide a fringing flux in the vicinity of said high reluctance portion, and an armature member arranged to be maintained in juxtaposition with said shunt path by said fringing flux when said electrical quantity maintains said predetermined normal direction.

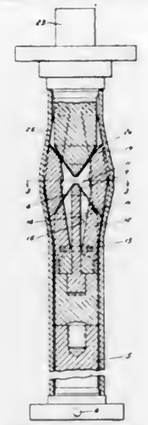
2,142,016
THREE-DRILL TRACTOR HITCH
James Silas Branch, Lacrosse, Wash.
Application October 23, 1937, Serial No. 170,620
1 Claim. (Cl. 97—235)



In a means for drawing three grain drills behind a tractor, a combination including a tongue with braces forming a rigid extension of the frame of the central drill and linked to the tractor, said central drill having an axle and wheels, two rigid side frames each hingeably attached to the central extended frame and tongue, two ground wheels, an axle for each ground wheel mounted on each side frame and with said axles in line with the axle of the central drill, an attachment point on each side frame for attachment of a side drill, a short tongue rigidly attached to the frame of each side drill and coupled to one of said attachment points, these points being so located on the side frames that while being drawn around a corner either to the right or left by the tractor the center of the inside wheel of the inside drill can be kept closely in the line of the axle of each of the two outer drills.

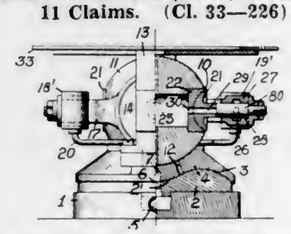
2,142,017
APPARATUS FOR EXPANDING SECTIONS OF TUBING
Ernest Riemenschneider and Rudolph H. Thoms, Cleveland, Ohio, assignors to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Original application February 27, 1932, Serial No. 595,532, now Patent No. 1,982,400, dated November 27, 1934. Divided and this application May 9, 1934, Serial No. 724,728
10 Claims. (Cl. 153—80)

10. An expander comprising a pair of relatively axially movable members each having expander fingers adapted to engage the other complementary member for moving the fingers of



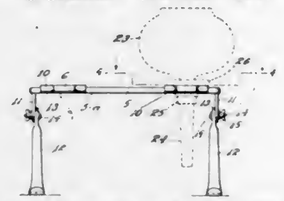
both members outwardly into engagement with the work, and the fingers of each member operating between the fingers of the other member.

2,142,018
BALL GYROCOMPASS
Leslie F. Carter, Leonia, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application November 21, 1935, Serial No. 50,846
11 Claims. (Cl. 33—226)



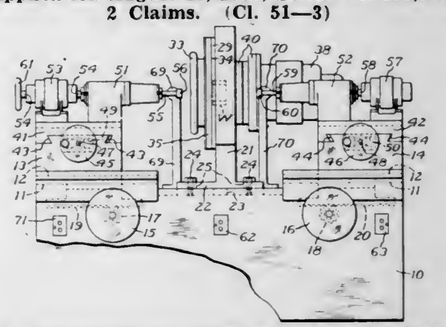
8. In a ball type gyro-compass, a ball rotor mounted for freedom about three axes, a liquid level gravitational factor connected to said ball for movement therewith about all axes except the spin axis of said ball, and means for supporting the weight of said factor independently of the rotor.

2,142,019
HOLDER
Maurice L. Warner, Hartford, Conn., assignor to The Silex Company, Hartford, Conn., a corporation of Connecticut
Application January 6, 1937, Serial No. 119,272
4 Claims. (Cl. 248—312)



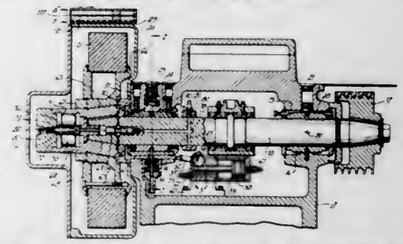
1. A holder of the character described comprising a plate having an opening adapted to receive by lateral insertion an article to be supported thereon; the edges of said opening being formed to provide a flared mouth and a reduced throat portion leading into said opening, and a grooved resilient guard mounted upon said plate and having the free edge of said opening engaged in the groove thereof to prevent contact with said edge by said article.

2,142,020
GRINDING MACHINE
Howard W. Dunbar, Worcester, and Herbert S. Indge, Westboro, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application August 13, 1937, Serial No. 158,970
2 Claims. (Cl. 51—3)



1. In a grinding machine, a base, a pair of parallel ways mounted on said base, a pair of tables mounted on said ways and spaced apart thereon, an independent traversing mechanism for each of said tables, a work head, a wheel head upon one table with a wheel adapted to grind the work piece, a wheel head on the other table with a wheel adapted to polish the work piece, and manually operable means to hold said latter wheel against rotation during the traversing movement thereof to effect a polishing operation.

2,142,021
AUTOMATIC DYNAMIC BALANCER FOR MACHINE TOOLS
Hans Ernst, Cincinnati, and Albert H. Dall, Silverton, Ohio, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application September 3, 1937, Serial No. 162,242
14 Claims. (Cl. 51—169)



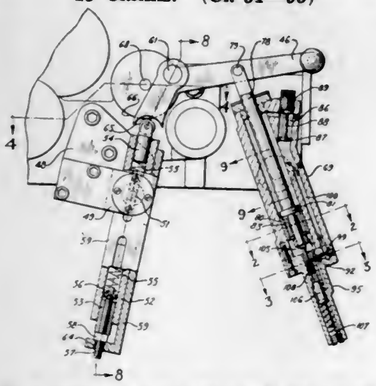
1. In a machine tool having a spindle and a grinding wheel attached to one end thereof, the combination of means for dynamically balancing said spindle, including a pair of spaced bearings for said spindle, one of said bearings having parts which are releasable to permit the spindle to vibrate with two degrees of freedom, power operated means for releasing said parts, balancing weights carried by the spindle for movement circumferentially thereof, means to secure said weights against movement, and means to automatically release said weights and permit their circumferential movement when said bearing parts are released.

2,142,022

INFEED CYCLE CONTROL ATTACHMENT

Hans Ernst and Raymond D. Wortendyke, Cincinnati, Ohio, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio

Application March 21, 1938, Serial No. 197,154
15 Claims. (Cl. 51—95)



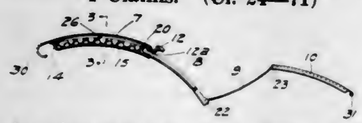
1. In a machine tool having a manually operable control lever movable in one direction to effect a relative feeding movement between cooperating parts of the machine, the combination of resiliently operable means connected to said lever for actuation thereof, a toggle connection between said lever and resiliently operable means for determining the reaction effect of the means on the lever, said lever being manually movable to shift said toggle connection and release said resiliently operable means for automatically continuing the movement of said lever, and hydraulic control means operatively connected to said lever for determining the rate of movement thereof.

2,142,023

BRACELET ATTACHMENT

Albert B. Goulden, Los Angeles, Calif.

Application July 31, 1937, Serial No. 156,725
4 Claims. (Cl. 24—71)



2. An elongated arcuated casing comprising an upper wall and a lower wall joined by vertical side walls; there being a mid-central rise extending longitudinally of said casing in the convex face of said upper wall; said upper wall having one end constructed for fastening with a bracelet chain; said lower wall being flanged to partially close the lower portion of the open end of said casing adjacent said constructed end; a foldover extension comprising a bed plate member, a middle foldable member, and a terminal foldable member, slidably mounted in said casing; said middle foldable member and said terminal foldable member being nested in said bed plate member; said terminal member being provided with a longitudinally extending series of apertures; a resilient releasing arcuate tongue; said tongue having notches at one end, and a lift terminating in a pawl tooth at the other end; means to support said tongue in said mid-central rise at a point intermediate the ends of said casing with said notches detachably engaging the edge portion of said flange in such a manner that said tongue is pre-stressed between its points of support, whereby the free end of said tongue through a lifting action may be flexed to release said pawl from one of said apertures incident to ejecting said foldover extension from said casing; stop means to limit the extrusion of said bed plate member; and means abutting the latter member to automatically eject said foldover extension from said casing upon release of said pawl from one of said apertures.

2,142,024

COATING SURFACES OF ZINC-BASE

William E. Hall, Hillside, N. J., assignor to The Egyptian Lacquer Manufacturing Company

No Drawing. Application September 30, 1936, Serial No. 103,362
7 Claims. (Cl. 91—68)

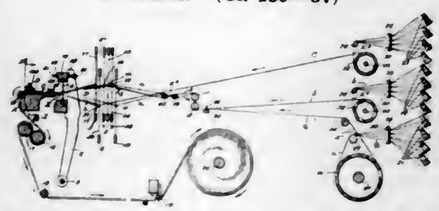
1. A process for producing a protective coating on a water-repellant metal surface selected from the group consisting of zinc, cadmium, magnesium and alloys of these metals which comprises spraying said surface with a fluid mixture containing water, mineral acid, a volatile, non-viscous and water-miscible organic liquid which does not react readily with the aqueous solution of the mineral acid in the mixture and which readily wets the surface and more easily than does water, and a substantially water-insoluble mineral pigment which is resistant to the acid in the mixture, and permitting said surface to dry, whereby a reaction occurs which etches the surface with substantial uniformity and causes the pigment to adhere thereto.

2,142,025

LOOM

William H. Hall, Jr., Trenton, N. J., assignor, by mesne assignments, to Thermoid Company, Trenton, N. J., a corporation of Delaware

Application October 13, 1936, Serial No. 105,428
5 Claims. (Cl. 139—37)



1. In a loom for weaving double pile fabric composed of two vertically spaced base fabrics respectively comprising longitudinal warps and transverse wefts with pile warps interwoven with each and extending from one to the other of said base fabrics, a series of spacer blades each comprising a section bound in said fabric between said base fabrics and said pile warps and a relatively movable section operatively connected to said bound in section and projecting warpwise beyond the fell of said fabric, heddle frames for raising and lowering said warp threads and a heddle frame for raising and lowering the projecting ends of said spacer blades in predetermined relation to each other to form open sheds for the insertion of said wefts above and below said spacer blades, means for operatively connecting said spacer blade sections to the actuating heddle frame therefor comprising a pair of heddle blades for and located at opposite sides respectively of each of said movable sections and carried by said spacer blade actuating heddle frame, means passing through each of said movable sections and its pair of heddle blades for pivotally connecting said spacer blade movable sections to said heddle blades, a lay for beating said wefts up to said fell, and means carried by said lay and arranged to engage each pair of said heddle blades simultaneously to retract said spacer blades to strip the fabric from said spacer blades.

2,142,026

COATING SURFACES OF ZINC-BASE

William E. Hall, Hillside, N. J., assignor to The Egyptian Lacquer Manufacturing Company, a corporation of New Jersey

No Drawing. Application April 28, 1937, Serial No. 139,456
10 Claims. (Cl. 134—39)

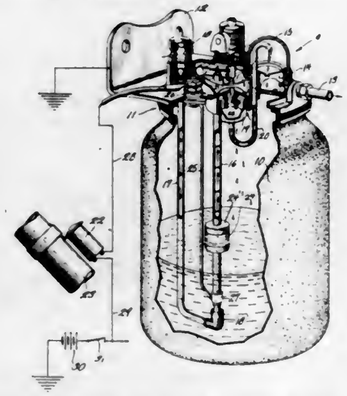
1. A priming composition for surfaces of zinc-base free from film-forming ingredients comprising as a liquid vehicle an inorganic etching acid, water, and at least one water-miscible organic liquid which wets the zinc-base surface more readily than does water and which does not react readily with the aqueous solution of said inorganic etching acid, said wetting agent constituting a major portion of said vehicle, and a finely divided water-insoluble mineral pigment resistant to attack by said etching acid, said pigment being present in amount sufficient to coat the surface of the zinc-base to which the priming composition is applied.

2,142,027

INDICATING MEANS

Vernon J. Harris, Cleveland, Ohio, assignor to Joseph Weidenhoff, Inc., Chicago, Ill., a corporation of Illinois

Application December 21, 1934, Serial No. 758,635
1 Claim. (Cl. 200—84)



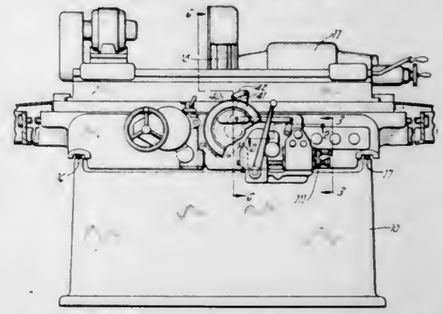
A device for feeding liquid comprising, in combination, a container for the liquid, a closure for the container, a liquid feeding standpipe of electrically conductive material mounted on the closure and extending downwardly from the closure to a point adjacent the bottom of the container to elevate the liquid, and means for indicating depletion of the liquid in the container comprising a float of buoyant material slidably mounted on said standpipe and having a metallic end cap of conducting material in electrical contact with said standpipe and a rod of conducting material supported in insulated relation on said closure and extending downwardly to a point adjacent the lower end of said standpipe and at its lower end bent downwardly and inwardly toward said standpipe to be contacted by the end cap of said float when the liquid drops to a predetermined level in the container, said inwardly and downwardly bent portion of the rod serving upon such contact of the float therewith to cam the float toward the standpipe to assure good electrical contact both between the float and the standpipe and between the float and the bent portion of the rod.

2,142,028

GRINDING MACHINE

Charles Herfurth, Cincinnati, Ohio, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio

Application September 7, 1937, Serial No. 162,622
19 Claims. (Cl. 51—95)



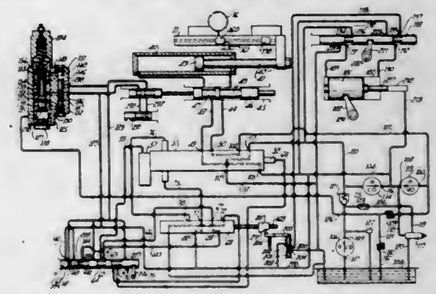
1. In a grinding machine having a work support and a grinding wheel support and a cooperating screw, and a nut mounted on the respective supports, a piston integral with said screw, a cylinder enclosing said piston and attached to one of said supports, a servo-control valve having fluid connections to said cylinder, a power operable member for actuating said servo-valve, and a one-cycle control circuit for said power operable member including a starting valve for coupling pressure to said member, and means operable at the end of the cycle for repositioning said valve in a stop position.

2,142,029

COMBINED DELAYED TRIP AND SPINDLE STOP MECHANISM FOR MACHINE TOOLS

Herman Horlacher, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio, a corporation of Ohio

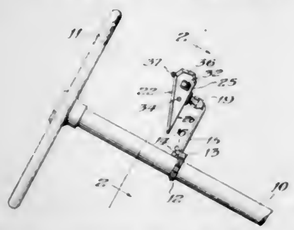
Application June 23, 1937, Serial No. 149,849
20 Claims. (Cl. 90—21.5)



1. In a milling machine having a cutter spindle and a work support, the combination with a transmission for actuating the spindle, including a motion interrupting clutch, of a fluid operable

piston for shifting said clutch, a cylinder containing said piston, means for actuating said work support, including a feed line and a rapid traverse line, means connecting said lines to the respective ends of said cylinder for actuation of said piston.

2,142,030
MEMORANDUM RECORDING DEVICE
Ray W. Lambert, Chicago, Ill.
Application June 9, 1937, Serial No. 147,199
3 Claims. (Cl. 281—12)

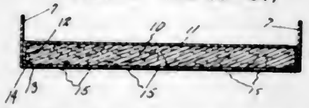


3. The combination with a memorandum recording device adapted to be secured to the steering column of an automobile, comprising a sheet metal holder having a top provided with a sight opening therein, a platen positioned thereunder in spaced relation thereto, a bottom and wedge-shaped side walls holding said top and bottom in converging relation adjacent one of their ends and in divergent relation adjacent their other ends, a tubular member extending through said sides and secured thereto, a closure member adapted to close the divergent end of said holder, the said holder being adapted to contain a roll of paper rotatably mounted between the divergent ends of said side rolls and means for yieldably pressing said sides against said roll to restrict rotation thereof and to maintain a predetermined extension of paper from said roll between the top and the platen, of a circular clamp carrying an arm in pivoted engagement therewith, said clamp being adapted to fixedly engage said steering column and to have said arm extend substantially radially therefrom in varied angular relation whereby said holder may be retracted underneath the steering wheel or extended to a suitable operative position, a ball-and-socket engagement extending upwardly at right angles from said arm to the bottom of said holder, and means for yieldably restricting the movement of said engagement whereby a writing surface on said holder may be held in a variable plane.

2,142,031
PROCESS OF ALUMINOTHERMIC SMELTING
Otto H. Lorange, Columbiana, Ohio, assignor to United States Vanadium Corporation, a corporation of Delaware
No Drawing. Application October 22, 1937, Serial No. 170,345
3 Claims. (Cl. 75—27)

3. Method of producing ferrovanadium by alumino thermic reaction which comprises incorporating, in approximately stoichiometric proportions, aluminum and carbonaceous material with oxydic compounds of vanadium and iron, adding metallic iron and slag-forming material, to form a smelting charge, the amount of carbon being sufficient to cause a steady boiling effect throughout the reaction and being a minor but substantial portion of the total of the aluminum and the carbonaceous material.

2,142,032
PRESSER SHOE
Marcus J. Matsen, Oak Park, Ill.
Application April 30, 1937. Serial No. 140,024
3 Claims. (Cl. 38—97)

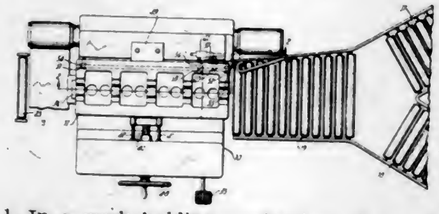


1. A pressing shoe for attachment to an iron, said shoe comprising a flange plate having an edge contour corresponding to the edge contour of the body of an iron and being provided at one end with a toe boxing for receiving the toe end of the iron, said shoe having a perforated bottom plate, a metallic plate arranged in the shoe and having downturned edges supporting the last named plate in spaced relation above the perforated bottom plate of the shoe, and an absorbent pad confined in the shoe between said plates.

2,142,033
PROCESS FOR THE PRODUCTION OF 2-P-DIOXANONE
Raymond W. McNamee, South Charleston, and Charles M. Blair, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application July 1, 1936, Serial No. 88,337
4 Claims. (Cl. 260—338)

1. Process for preparing 2-p-dioxanone which comprises dehydrogenating diethylene glycol by the aid of a metallic dehydrogenating catalyst at a temperature of from about 240° to about 360° C.

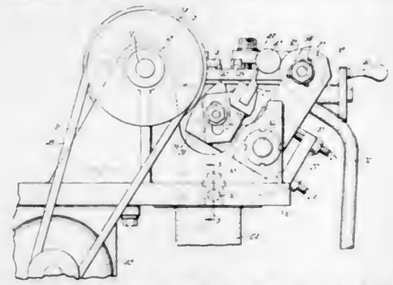
2,142,034
WORK HOLDER MECHANISM FOR MACHINE TOOLS AND THE LIKE
Rollin H. Patrick, Deer Park, Ohio, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application May 29, 1936, Serial No. 82,567
12 Claims. (Cl. 90—59)



1. In a work holding mechanism, the combination with a work holder, of different means in the work holder for locating different sized work pieces, means normally operative for rendering one of said locating means effective for determining the position of one size of work piece, and a plunger responsive to the presence only of a different sized work piece to render said first locating means ineffective.

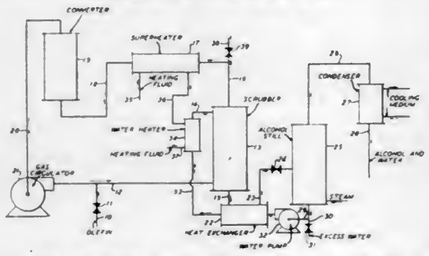
2,142,035
DOWEL PIN FORMER
Willetts Peaslee, Cincinnati, Ohio, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application October 27, 1937, Serial No. 171,289
9 Claims. (Cl. 82—1)

1. A metal forming machine of the character described, including a frame or support, a cylindrical drive member rotatably mounted thereon, a work supporting unit pivotally disposed in opposition to said driving member including a work support and a work clamp roller movable with and with respect to the work support, means supporting the clamp member for rotation about an axis angularly disposed as respects the axis of



the cylindrical drive member, whereby said clamp member will exert a longitudinal feeding action as respects a work piece when the latter is simultaneously engaged by the driving member, support and clamping member, and a metal cutting tool carried by the frame or support having an operative portion projecting into the potential path of movement of a work piece for terminal formation thereof.

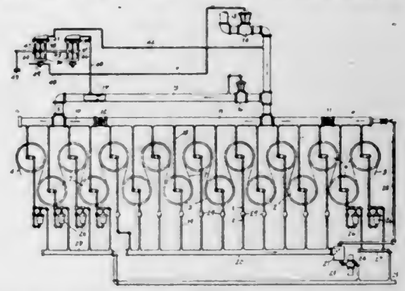
2,142,036
HYDRATION OF OLEFINES
Kenneth H. Rowland and Rolf V. Wallin, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York
Application November 25, 1936, Serial No. 112,701
14 Claims. (Cl. 260—641)



1. The process of replacing alcohol vapor in a gas under high pressure and at a temperature of at least about 175° C. with water vapor which comprises bringing said gas into intimate contact with preheated water at substantially the pressure and temperature of said gas.

2,142,037
MOISTURE CONTROL SYSTEM
Frederick C. Stamm, Lockport, N. Y.
Application July 17, 1935, Serial No. 31,776
10 Claims. (Cl. 34—48)

9. In a drier, the combination of an advance drying unit and a succeeding drying unit adapted to be heated by steam and to transfer heat to a web traversing the surface of said units, means for supplying steam to said advance drying unit including a regulating valve and a header for said advance unit, a connection for supplying steam to said succeeding drying unit connected to said supply means between said regulating valve and said header and provided with a pressure regulator for maintaining the steam pressure in said connection constant, means between said pressure regulator and said succeeding drying unit for detecting variations in flow of steam to the succeeding drying unit, a control means for



said regulating valve including a pressure actuated element, means connecting said pressure actuated element to said detecting means to be actuated by said variations in the flow of steam thereto, and means operatively connecting said control means to said regulating valve.

2,142,038
BAND PASS FILTER
Walter Bier, Berlin, Germany, assignor to Radio Patents Corporation, New York, N. Y., a corporation of New York
Application August 26, 1936, Serial No. 97,913
In Germany August 30, 1935
21 Claims. (Cl. 178—44)

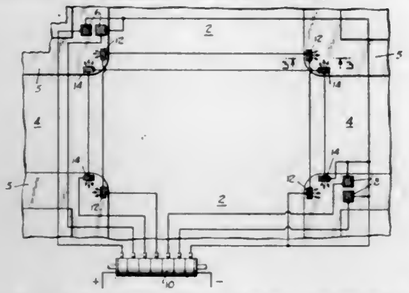


1. In a band-pass filter for transmitting electric wave energy, a pair of resonant circuits each comprising an induction coil shunted by a condenser, an independent coupling path connecting one end of said induction coils, said coupling path including an impedance element adapted to vary its electrical impedance in accordance with biasing current applied thereto, and a source of variable direct current for controlling said impedance.

2,142,039
THERMOPLASTIC PRESSURE SENSITIVE COMPOSITION AND SHEET MATERIALS COATED WITH SAME
Allen Abrams and George W. Forcey, Wausau, Wis., assignors to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
No Drawing. Application June 28, 1937, Serial No. 150,754
8 Claims. (Cl. 106—23)

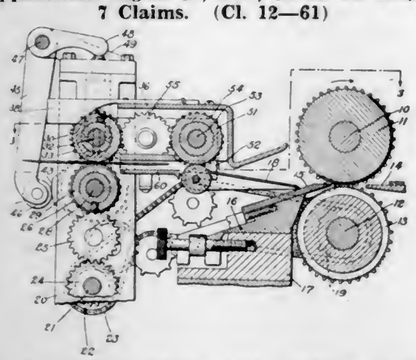
1. A normally removable and reusable adhesive sheet material comprising a base sheet having a normally tacky and normally pressure sensitive coating composition comprising 15 to 60% by weight cohesive agent, 10 to 50% by weight adhesive agent, 5 to 45% by weight of a non-volatile plasticizer, and 4 to 45% modifier.

2,142,040
TRAFFIC REGULATING SYSTEM
Bartlett Arkell and Douglas M. McBean, Canajoharie, N. Y.; said McBean assignor to said Arkell
Application November 20, 1936, Serial No. 111,957
2 Claims. (Cl. 177—337)



1. In a traffic regulating system comprising vehicle traffic signals and pedestrian traffic signals for a street having sidewalks, and means for operating the two sets of signals in timed relation, the improvement which consists in said pedestrian signals comprising lights mounted in recesses in the sidewalks and provided with illuminated tread surfaces arranged substantially flush with the surfaces of the walks and in proximity to the outer edges of the walks.

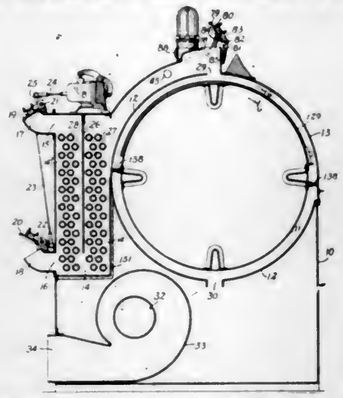
2,142,041
COUNTER SLASHING MACHINE
Charles W. Bailey, Lynn, Mass., assignor to Stewart Bros., Lynn, Mass., a co-partnership consisting of John Hammond Stewart and Roland A. Stewart
Application August 31, 1937, Serial No. 161,828
7 Claims. (Cl. 12—61)



1. A counter skiving and slashing machine comprising matrix roll skiving mechanism, a roll having slashing blades mounted thereon and a cooperating anvil roll, a common actuating means for driving the matrix roll and the slashing roll, and mechanism for interrupting the effective operation of the slashing roll independently of the skiving mechanism thereby limiting the slashing operation to a portion only of the skived area of the counter.

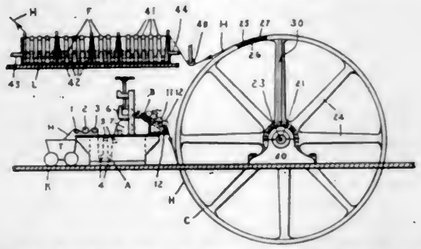
2,142,042
PROCESS FOR DRYING
George E. Bowdoin, New York, and William Strobridge, Syracuse, N. Y., assignors to United States Hoffman Machinery Corporation, New York, N. Y., a corporation of Delaware
Application October 12, 1935, Serial No. 44,724
4 Claims. (Cl. 34—24)

4. The method of removing without danger of explosion residual solvent from materials dry cleaned with an inflammable hydrocarbon solvent of known flash point, which comprises placing the materials in a container, treating air by means of heat exchanging apparatus, passing the treated air through said container for a period of time in contact with said materials, constantly evaluating



the temperature of the treated air before it comes in contact with said materials and constantly controlling the operation of the heat exchanging apparatus for said period of time to maintain the temperature of the air coming in contact with said materials below the flash point of the solvent.

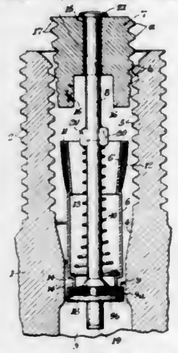
2,142,043
MACHINE AND PROCESS FOR FINISHING MERCERIZED COTTON
William P. Boyd, Nashua, N. H.; Roland B. Burnham administrator of said William P. Boyd, deceased
Application October 10, 1934, Serial No. 747,737
3 Claims. (Cl. 8—125)



1. An apparatus for mercerizing cotton cloth comprising a caustic bath including rollers around which the material passes and squeeze rollers; expanding means for stretching the cloth crosswise when delivered from the caustic bath and including delivery rolls; a single relatively large cooling wheel with a substantially flat outside rim to which the cloth clings and with which it travels until it is cooled, there being inside the rim, a closed channel and conductors to provide a constant flow of relatively cool water therethrough; and a washing bath including rollers around which the cloth from the cooling wheel passes.

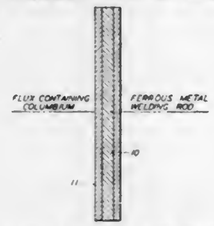
3. The steps in the method of mercerizing cotton cloth which consist of passing it through a caustic bath, then squeezing out the excess moisture, then spreading and smoothing it while at substantially the same temperature, and delivering it to a single relatively large wheel with a flat rim which is cooled and while clinging to the rim, causing it to be cooled more than thirty degrees and delivering it while still flat to washing devices to remove or neutralize the caustic.

2,142,044
PNEUMATIC VALVE INSIDES CONSTRUCTION
Lewis C. Broecker, Bridgeport, Conn., assignor to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut
Application August 25, 1934, Serial No. 741,412
1 Claim. (Cl. 251—144)



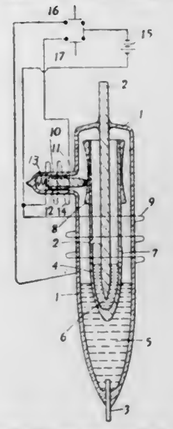
A valve insides comprising a one-piece casing having a relatively large longitudinal spring receiving chamber therein, a valve stem extending through the chamber, the material of the casing at the bottom thereof being turned in from its initial position to reduce the diameter of the opening at the base of said chamber, said inturned portion providing at one side a seat for one end of the spring and at its other side a valve seat, a spring in said chamber engaging at one end the spring seat aforesaid and engaging the valve stem at its other end for stressing the stem longitudinally of the casing, and a valve carried by the stem below the casing in position for being seated against the turned in portion of the casing under tension of the spring.

2,142,045
FLUX COATED WELDING ROD
Cecil G. Chadwick, West New York, N. J., assignor to Oxweld Acetylene Company, a corporation of West Virginia
Original application August 1, 1934, Serial No. 737,899. Divided and this application January 25, 1938, Serial No. 186,765
3 Claims. (Cl. 219—8)



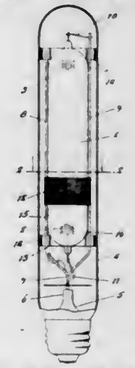
1. A welding rod, for welding steels containing more than 2% chromium to produce welds substantially free from non-metallic inclusions and soluble carbides, comprising a ferrous metal body containing about 2% to 35% chromium, carbon in an amount not exceeding 0.3%, and the remainder chiefly iron; and a flux coat on said body, such flux coat containing a substantial proportion of columbium in the metallic state, silicon, and a slag forming material composed of feldspar and calcium carbonate, the columbium forming about 10% to 40% of the flux coat.

2,142,046
ELECTRIC SWITCH
Alfredo Cianchi, London, England
Application August 26, 1937, Serial No. 161,141
In Great Britain August 31, 1936
1 Claim. (Cl. 200—106)



An electric switch comprising a vessel, contacts therein, a conducting liquid within said vessel, a freely movable plunger floating in said liquid, an armature of magnetic material associated with the plunger, means adapted to act upon said armature magnetically to vary the extent of immersion of said plunger in said liquid thereby to open or close the circuit through said contacts, and a spring catch comprising a magnetic armature mounted in and on said vessel adapted automatically to cooperate with said plunger on said plunger reaching a certain position to which it is moved when the switch is operated in the normal way to open or close the contacts, said catch being adapted to retain the plunger in desired position and maintain the switch in open or closed condition, and means for acting magnetically on said catch to retract the same and release the plunger, thereby to allow its return to normal open or closed position, as desired.

2,142,047
ELECTRIC DISCHARGE LAMP
James L. Cox, Danvers, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application October 29, 1935, Serial No. 47,258
2 Claims. (Cl. 176—122)



2. In an electric lamp of the character described, the combination of an enclosing envelope,

a pair of electrodes within said envelope, a metallic frame member for supporting said envelope, said frame member being electrically connected to one of said electrodes, and means to electrolytically insulate said frame member from said envelope throughout its length, said insulating means being in the form of a layer of aluminum oxide between the frame member and the wall of the envelope.

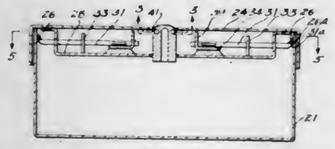
2,142,048

METER PROTECTIVE CABINET SEAL

William S. Davis, North Hackensack, N. J., and Alfred R. Kuhn, Queens Village, N. Y., assignors to Metropolitan Device Corporation, Brooklyn, N. Y., a corporation of New York

Application January 10, 1935, Serial No. 1,228

8 Claims. (Cl. 70—440)



1. Sealing means for a locking mechanism of the key-operated type and provided with a key-hole, said means comprising a breakable button for insertion in the key-hole, and means for securing the button when inserted against removal from the key-hole whereby breakage of the button is required for operating the locking mechanism.

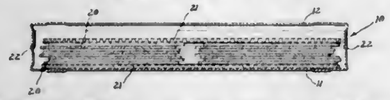
2,142,049

METHOD OF INCREASING THE EFFICIENCY OF RESIN BONDED GRINDING WHEELS

John R. Erickson, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application August 24, 1938, Serial No. 226,424

1 Claim. (Cl. 51—278)



Method of increasing the life and efficiency of polymerized synthetic resin bonded grinding wheels which comprises heating the wheels immediately after manufacture thereof to a temperature that will drive out substantially all the contained moisture thereof, then sealing the wheels to prevent access of further moisture from the air or otherwise, and at a later date unsealing the wheels and using them forthwith to grind.

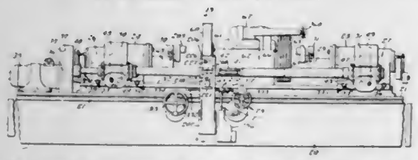
2,142,050

CRANKSHAFT GRINDING MACHINE

John I. Garside and Carl G. Flygare, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application March 26, 1937, Serial No. 133,222

17 Claims. (Cl. 51—72)



1. A crankpin grinding machine having a transversely movable wheel slide, a longitudinally traversable work table, each of which is operated by a separate reversible electric motor, a separate reversing switch operatively connected to control each of said motors, a single manually operable main control lever, and connections between said reversing switches and the main control lever whereby either the work table or the wheel slide motor is rendered inoperative during the operation of the other member.

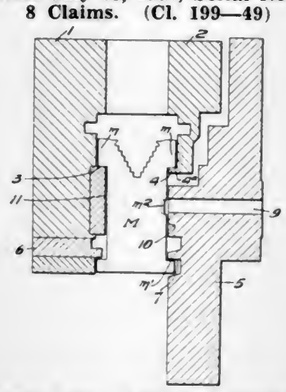
2,142,051

TYPOGRAPHICAL MACHINE

Edmund M. Goodbody, Bellerose, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y., a corporation of New York

Application July 26, 1937, Serial No. 155,766

8 Claims. (Cl. 199—49)



1. In or for a line casting machine embodying a matrix line transporter having front and rear wall members with opposed relatively fixed vertical inner faces spaced apart a distance greater than the edgewise width of the matrices and rails projecting from said faces for supporting the matrices with their edges parallel thereto, an element arranged to act yieldingly on the rear edges of the matrices while supported on said rails to retain them edgewise against the vertical face of said front wall member.

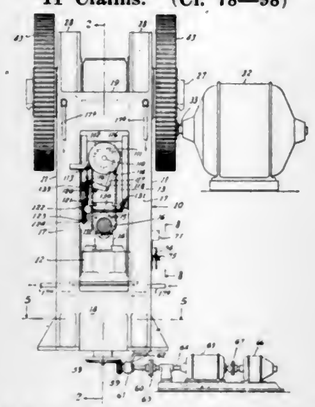
2,142,052

PRESS

Isaac Harter, New York, N. Y., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey

Application November 22, 1934, Serial No. 754,255

11 Claims. (Cl. 78—98)



3. In a press, the combination of cooperating dies and holders for the dies relatively movable towards and away from one another to effect intermittent working engagement of the dies with a member to be worked on; and means providing for lifting, turning and feeding said member between working engagements therewith so as to present new surfaces to be worked on.

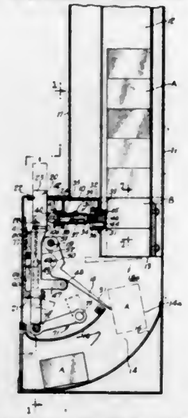
2,142,053

ARTICLE DISPENSING APPARATUS

Fairfield W. Hoban, New York, N. Y., assignor to Stewart and McGuire, Incorporated, New York, N. Y., a corporation of New York

Application January 14, 1937, Serial No. 120,468

9 Claims. (Cl. 312—70)



4. An apparatus of the character described comprising a support, an article containing magazine thereon open at the lower end, a delivery chute disposed below said magazine in spaced relation thereto, means engageable with an article within the magazine above the lowermost for preventing feed of the stack, a member pivotally mounted upon said support forwardly of and extending rearwardly into the space between said magazine and said chute for swinging movement under gravity bias from and to position for retaining the articles within the magazine to and from position for releasing the lowermost article, the parts being so related that said member in the releasing position thereof substantially clears the entrance to said chute, and an actuating member vertically slidable on said support in advance of said first-named means and said pivoted member, said actuating member including a portion for operating said first-named means and a portion for controlling the movement of said pivoted member, and said last named portion extending under and engaging said pivoted member for normally supporting the same in closed position and for controlling the extent of opening thereof under gravity bias upon actuation of said last-named member.

2,142,054

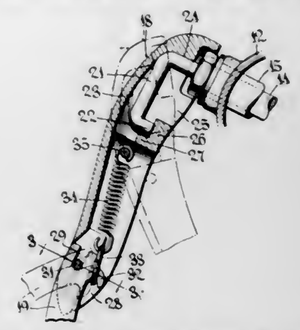
WINDSHIELD CLEANER

Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.

Application August 30, 1935, Serial No. 38,611

4 Claims. (Cl. 15—255)

4. In a windshield cleaner, a driven shaft terminating at one end in an arm attaching portion, a wiper arm for carrying a wiper and removably mounted on said attaching portion of said shaft, said wiper arm and attaching portion having opposed engaging surfaces facing in opposed directions substantially parallel to the axis of said shaft and normally holding said arm against radial displacement from said attaching portion, said arm attaching portion having a forwardly facing surface, said wiper arm having a rearwardly facing surface engaging and movable away from the forwardly facing surface of the arm attaching portion of said shaft, said arm attaching portion also having a rearwardly facing surface disposed nearer to the wiper carrying arm end than the forwardly facing surface of the said arm attaching portion, said wiper arm having a forwardly facing surface engaging and movable



away from the rearwardly facing surface of said shaft attaching portion, all of said engaging surfaces providing a demountable connection between the wiper arm and arm attaching portion of said shaft, said wiper arm being divided into inner and outer end sections having a resilient connection between them normally holding the outer end section against the windshield under resilient pressure and said wiper arm being normally responsive to the action of the resilient connection to maintain said forwardly and rearwardly facing surfaces in operative assembled relation.

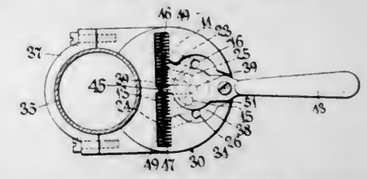
2,142,055

VEHICLE SIGNALING SYSTEM

Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.

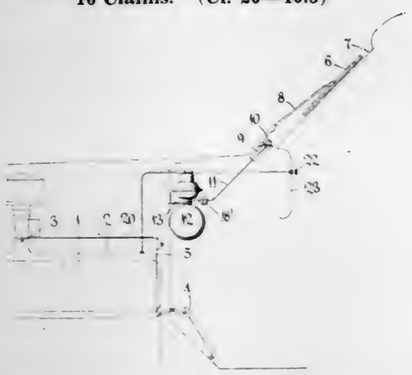
Application January 21, 1936, Serial No. 60,114

13 Claims. (Cl. 116—39)



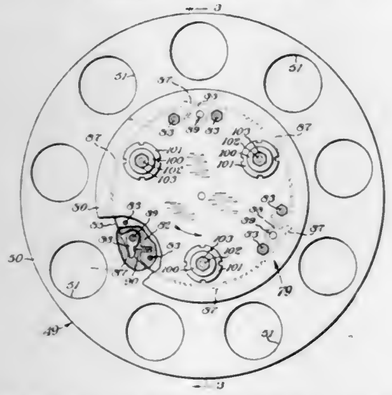
8. In a control unit for a signal, cooperating with a variable suction producing fluid intake of a vehicle engine, a valve seating member having a seating surface, a movable valve member normally disposed in an inoperative position and having a surface slidably movable in seating relation upon the seating member to an operative position, the surface of one of said members having a recess in facing relation to the other member and connectible to said fluid intake to provide a subatmospheric area between cooperating portions of said members, whereby suction of the intake at predetermined value will hold said members in an operative position against relative movement, and means urging movement of the valve member from the operative to the inoperative position when the suction is less than the predetermined value.

2,142,056
WINDSHIELD CLEARING SYSTEM
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application March 7, 1936, Serial No. 67,721
16 Claims. (Cl. 20—40.5)



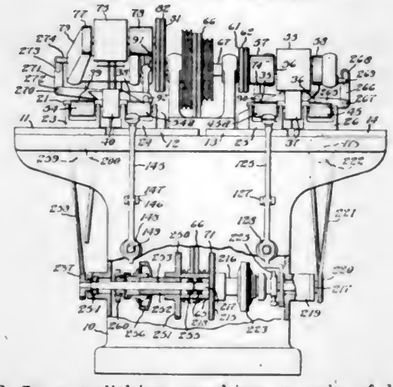
1. A window clearing system for motor vehicles having a power plant and a manipulative control therefor, comprising in combination with such control, automatic means for discharging clearing fluid on the vehicle window for a predetermined interval of time, and means responsive to changes in the manipulative control for setting said discharge means in operation.

2,142,057
LAPPING MACHINE
George E. Hulbert and Herbert S. Indge, Westboro, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application May 23, 1936, Serial No. 81,372
2 Claims. (Cl. 51—118)



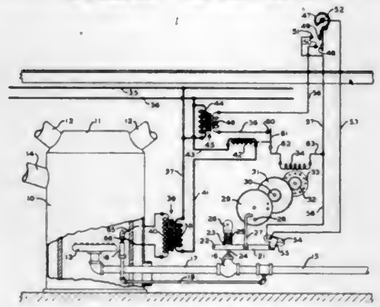
1. A lapping machine comprising a pair of opposed relatively rotatable lapping wheels, means to relatively rotate said wheels, means to move said wheels relatively toward and from each other, a cage supporting member, means to rotate and gyrate said cage supporting member, a work carrying cage rotatably supported thereon, and means including a pawl and ratchet mechanism which serves to gyrate said cage for a lapping operation, and which is arranged so that the cage may be indexed manually to facilitate loading of work pieces.

2,142,058
POLISHING MACHINE
Herbert S. Indge, Westboro, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application December 10, 1937, Serial No. 179,157
20 Claims. (Cl. 51—59)



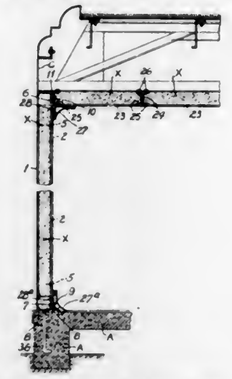
18. In a polishing machine, a pair of longitudinally reciprocable slides, an abrasive work support and polishing device on each of said slides simultaneously to support and polish spaced cylindrical portions on a work piece, a rotatable work driving wheel which is arranged frictionally to engage and rotate the work piece, and means simultaneously to reciprocate said slides in opposite directions so as to cause a relative longitudinal movement between the abrasive work support and the work piece.

2,142,059
SAFETY PILOT CONTROL SYSTEM
Leon L. Kuempel, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 4, 1935, Serial No. 9,208
2 Claims. (Cl. 158—117.1)



1. In a system of the class described, a main burner, a pilot burner for igniting said main burner, a valve for controlling the supply of fuel to said main burner, an electric motor for opening said valve upon energization thereof, a thermostatic switch, a relay having a coil and a load switch operated thereby, a source of power, a load circuit including the source of power, the motor, the thermostatic switch and the load switch, a step-up transformer having a primary and a secondary, a primary circuit including the source of power, said primary of the transformer and said relay coil, and electrodes adjacent the pilot burner positioned to be bridged by the pilot flame and connected to the secondary of the transformer whereby the primary circuit is energized when the electrodes are bridged by the pilot flame to close the load switch and permit energization of the motor when the thermostatic switch closes, said electrodes being so spaced relative to the voltage of said secondary that in the absence of flame no current passes therebetween.

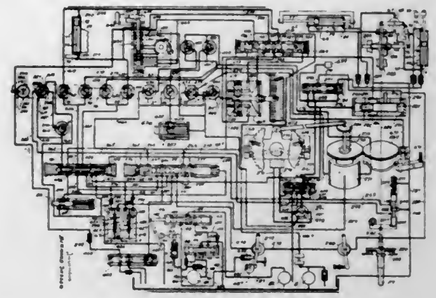
2,142,060
PREFABRICATED BUILDING
John H. Miner, St. Louis County, Mo., assignor to Roesch Porcelain Construction, Inc., Belleville, Ill., a corporation of Illinois
Application November 11, 1936, Serial No. 110,217
6 Claims. (Cl. 189—1)



1. In a prefabricated building, a side wall made up of a plurality of completely formed panels arranged in abutting relationship with their inner and outer faces flush, a horizontally disposed supporting member at the lower edge of said wall provided with a flange disposed so as to lap over said panels and resist movement of same in one direction, a horizontally disposed tie member at the top edge of said wall provided with a flange disposed so as to lap over said panels and resist lateral movement of same in one direction, and integral devices on said panels that are adapted to be inserted in openings in the said flanges of said supporting member and tie member and thereafter bent into interlocking engagement with same.

2,142,061
AUTOMATIC UNIVERSAL PROFILE AND DIE SINKING MACHINE
Bernard Sassen, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application October 8, 1934, Serial No. 747,267
Renewed August 19, 1937
100 Claims. (Cl. 90—13.5)

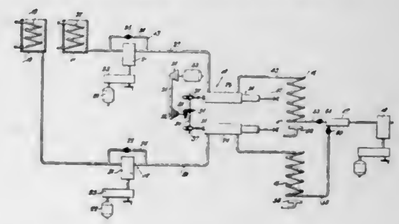
28. A pattern controlled milling machine for reproducing work from a pattern including a cutter, a plurality of slides for effecting relative movement between work and cutter, fluid operable motors coupled to the individual slides, individual variable displacement pumps connected in closed circuits to the respective motors, a power circuit for controlling the proportion between the displacement of said pumps and thereby the direction of resultant feed movement between cutter and work including a rotatable member operatively connected for changing the displacement of said pumps, rotation of said element in a clockwise direction effecting a corresponding change clockwise in the angle of the resultant movement, or in a counter-clockwise direction to effect a corresponding change counter-clockwise in the angle of the resultant feed movement, a source of power, a universally mounted tracer, a control valve coupled to the tracer for movement to a neutral position upon predetermined deflection thereof, means controlled by said valve upon movement in one direction from said neutral position to effect clockwise rotation of said member, and in the other direction to effect counter-clockwise rotation of said member, the rate of rotation of the member



in either direction increasing with the amount of departure of the valve from its neutral position.

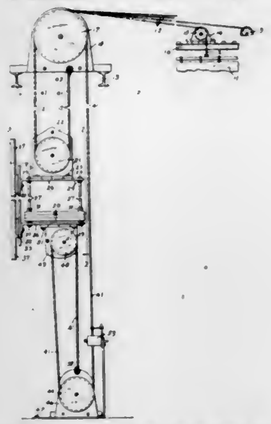
96. The method of reproducing a three-dimensional article of irregular contour consisting in relatively moving the pattern and a follower in a peripheral orbital path, simultaneously effecting a non-reversible relative feeding of said parts in a direction transversely of the plane of said path and simultaneously effecting corresponding movements of a work piece blank and cutting tool, whereby the shape of the pattern is ultimately reproduced on the work piece blank by a continuous sinuous cutting action.

2,142,062
PROPORTIONING APPARATUS
Benjamin H. Thurman, Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada
Application February 15, 1938, Serial No. 190,673
11 Claims. (Cl. 221—96)



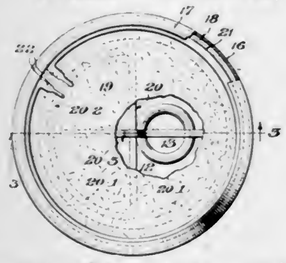
1. A proportioning apparatus, which comprises: a plurality of measuring devices; means for forcing a separate stream of material to be measured through each of said devices; each of said devices having a movable member actuated by flow of materials therethrough for delivering measured amounts of material from said device, and valve means for said fluid for controlling the actuation of said member; and common means independent of the movement of said members of any of said devices for actuating the valve means for all of said devices.

2,142,063
STAGE CURTAIN RIGGING
Charles E. Tompkins, Syracuse, N. Y., assignor to J. R. Clancy, Inc., Syracuse, N. Y., a corporation of New York
Application December 17, 1937, Serial No. 180,471
1 Claim. (Cl. 254—141)



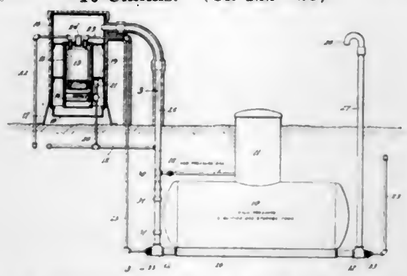
In a stage curtain rigging adapted to raise and lower the curtain, a fixed loft block having sheaves around which the curtain supporting ropes are passed, a counter-weight carriage having guides in which the carriage is slidable, a block secured to said carriage and having sheaves around which the curtain supporting ropes are passed from the loft block sheaves, said curtain supporting ropes having their ends secured to the loft block, and means for raising and lowering the counter-weight to lower and raise the curtain comprising a floor block having a sheave, a second block having a sheave secured to said carriage and a continuous pull rope having one end fixed in the loft block passed around a sheave in the first mentioned block on said carriage, then passed upward around a sheave in the loft block, then extending downward and passed around a sheave in the floor block and then extending upward and passed around a sheave in the second block on the carriage and then extending downward and secured to the floor block, and said carriage carrying counter-weights of such weight that the curtain is substantially counter-balanced so that the pull on the pull rope in raising the curtain is substantially equal to the pull on the pull rope required to lower the curtain.

2,142,064
RESPIRATOR
Willis A. Whipple, Camp Lake, Wis., assignor to Robert Malcom, Chicago, Ill.
Application May 29, 1937, Serial No. 145,616
4 Claims. (Cl. 128—146)



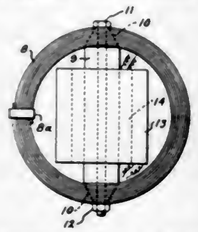
1. Respirator filter means comprising a base having an opening for passage of air to a facepiece, a filter element mounted adjacent to said base, and a spacer between said base and filter element formed of a single piece of elongated material bent into peripheral parts resting against said base and transverse parts contacting said filter element.

2,142,065
LIQUEFIED GAS STORAGE AND DISPENSING SYSTEM
David F. Youngblood, San Antonio, Tex., assignor to Southern Steel Company, San Antonio, Tex., a corporation of Texas
Application June 8, 1937, Serial No. 147,085
10 Claims. (Cl. 122—23)



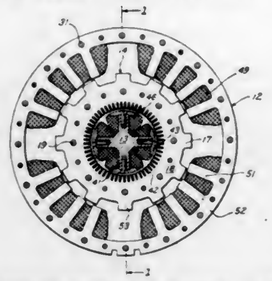
2. In combination with a liquefied gas storage and dispensing system of the class described having an underground storage tank; a heating appliance having a gas burner supplied with gas from said system; a gas service pipe having a revaporizer for condensate connected to its lowest portion; and a flue for the products of combustion from said gas burner connected to supply heat to said revaporizer.

2,142,066
TRANSFORMER CORE STRUCTURE
Daniel Eppelsheimer, Middletown, Ohio
Application December 2, 1937, Serial No. 177,767
7 Claims. (Cl. 175—356)



1. A core structure for a transformer comprising magnetic material wound to form a laminated loop-shaped member constituting a magnetic yoke, and a center leg member bridging the yoke, said leg being of laminated construction, and magnetic connections between the ends of said leg and said yoke, said leg being tapered at its ends substantially to a point, the yoke member having at its opposite sides correspondingly shaped recesses to receive the ends of the leg, the said leg being less in its cross-sectional dimension than the width of the inner lamina of the yoke, whereby the inner lamina of the yoke remains unsevered by the recesses therein, the recesses in successive laminae outwardly being of less and less area, whereby the yoke remains a strong unitary structure which may be sprung to receive the ends of the leg, the relationship of the laminae in the leg and the laminae in the yoke being a substantially continuous one, lamina for lamina, so that lines of magnetic force traversing the leg and yoke traverse paths longitudinally of all laminae without cutting across laminae.

2,142,067
DYNAMO-ELECTRIC MACHINE
Joseph W. Allen, East Orange, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application March 26, 1936, Serial No. 71,027
8 Claims. (Cl. 171—252)



5. In a dynamo electric machine, the combination with a slotted rotor, of a plurality of conductors disposed in the slots of said rotor, a stator surrounding said rotor, polar projections on said rotor to cooperate magnetically with said stator, said polar projections being disposed entirely beyond the radius of said slots and the conductors disposed therein, and additional polar projections for magnetic co-operation with said conductors, said last-named polar projections being disposed within said rotor.

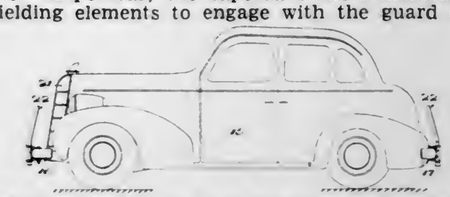
2,142,068
GAME
Lee Berger, Indianapolis, Ind.
Application September 19, 1938, Serial No. 230,541
3 Claims. (Cl. 273—97)



1. A game device comprising an element formed generally in the shape of a human hand and presenting a flat palm-like surface, an elastic strand having one end secured to said element adjacent the center of the palm, and a weighted member carried at the other end of said strand, the fingers of the hand being defined by narrow, separating slots adapted to receive said strand upon certain rebound movements of said member.

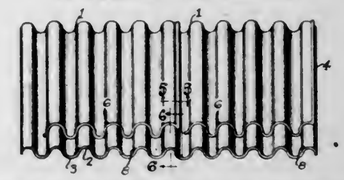
2,142,069
GUARD OR SHIELD FOR VEHICLES
George F. Colley, Jacksonville, Fla., assignor to Merchants and Manufacturers Inc., Jacksonville, Fla., a corporation of Florida
Application June 19, 1937, Serial No. 149,226
4 Claims. (Cl. 293—55)

1. A guard or shield to be mounted upon a bumper-bar, opposed clamping elements carried by the guard or shield, the clamping elements embodying tapered sockets to receive the edges of the bumper-bar, the tapered sockets including yielding elements to engage with the guard or



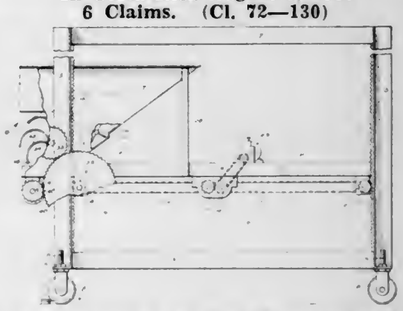
shield, and means to draw the clamping elements together.

2,142,070
SHEET METAL SURFACING
Howard J. Little, Fort Thomas, Ky., assignor to The Andrews Steel Company, a corporation of Delaware
Application April 14, 1937, Serial No. 136,878
13 Claims. (Cl. 108—13)



1. A relatively thin flexible sheet provided with a plurality of longitudinal corrugations disposed along one dimension of the sheet and an elongated portion on the wall of a marginal corrugation extending in the direction of said corrugation and spaced between adjacent surface portions on the underside of the sheet, that are adapted to contact with an adjacent underlapped sheet, to interrupt the forces of capillary attraction between said sheet and the adjacent underlapped sheet.

2,142,071
PLASTERING MACHINE
Antonio Rosabal, Alajuela, Costa Rica
Application March 24, 1938, Serial No. 197,941
In Costa Rica August 8, 1937
6 Claims. (Cl. 72—130)



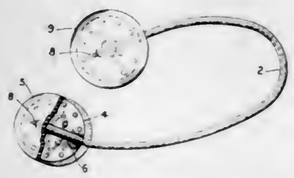
1. In combination, a wheeled supporting frame, a traveling frame mounted to move vertically with respect to the supporting frame, means for moving the traveling frame vertically with respect to the supporting frame, a hopper for plaster, movable with the traveling frame, a rotative troweling device comprising a horizontally disposed shaft extending transversely across the front of the machine, and a plurality of separate trowel blades carried thereby, and means for imparting movement to said shaft, said troweling blades first throwing the plaster upon the wall and thereafter wiping and pressing it into place with a troweling action.

2,142,072
ELECTRIC INCANDESCENT LAMP
Heinrich Asmussen, Berlin-Steglitz, and Hans-Normann von Funcke, Berlin-Halensee, Germany, assignors to General Electric Company, a corporation of New York
Application September 23, 1937, Serial No. 165,406
In Germany October 26, 1936
3 Claims. (Cl. 176—32)



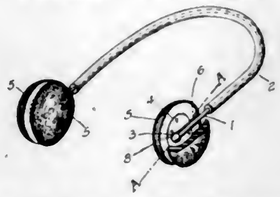
1. An electrical device comprising a bulb having a threaded neck portion provided with a longitudinally extending groove, a lead wire extending through said groove, an inner base member secured against rotational displacement to said bulb neck and overlying said groove, an outer base comprising a threaded base shell screwed onto said bulb neck and provided with an elongated circumferentially extending slit disposed substantially opposite said groove and said inner base member, said lead wire extending over the edge of said shell and across the said slit therein, and said shell being electrically connected to said lead wire and to said inner base member by a quantity of fusible material disposed within and adjacent said slit.

2,142,073
TRUSS FOR HUMAN RUPTURE
Oliver Cornelius Dobbs, Birmingham, Ala., assignor to The Dobbs Truss Company, Incorporated, Birmingham, Ala.
Application December 8, 1937, Serial No. 178,714
1 Claim. (Cl. 128—108)



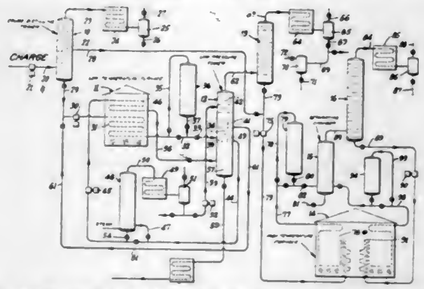
A truss for use on the human body, said truss comprising a substantially U shaped steel member with rubber tube covering except part of its ends, said steel member have short L shaped ends, a pad for injury mounted on one end of said steel member, said pad having a concave face, a similar and slightly larger pad mounted on the other end of said steel member, said pads being made of molded rubber covering two thin metal disks, said disks being held face to face by any suitable means and having a groove in each disk so as to form a substantially round hole two thirds of the way through the center of the assembled pad, said hole for inserting an end of said steel member, a socket at the inner end of said hole to accommodate the L shaped turned end of said U shaped steel member.

2,142,074
TRUSS FOR RUPTURE
Oliver Cornelius Dobbs, Fayette, Ala., assignor to The Dobbs Truss Company, Incorporated, Birmingham, Ala.
Application October 7, 1935, Serial No. 43,870
2 Claims. (Cl. 128—108)



1. A truss of the class described comprising a substantially U shaped stiff steel member having rubber covering, steel balls integral with the ends of said steel member, said balls being seated in concavities in metal disks with rubber covering, grooves in said metal disks placed face to face to form a channel from the outer edge of the disks and leading to said concavities to hold each end of said steel member adjacent the balls in place in the assembled pads.

2,142,075
CONVERSION OF HYDROCARBON OIL
Louis C. Rubin, Nutley, N. J., assignor to Gasoline Products Company, Inc., Newark, N. J., a corporation of Delaware
Application February 18, 1936, Serial No. 64,446
6 Claims. (Cl. 196—49)



1. The method of treating petroleum oil to produce gasoline and fuel oil that comprises subjecting crude petroleum to distillation to form reduced crude and a distillate adapted for conversion into gasoline, subjecting the reduced crude to cracking in a primary cracking zone to effect conversion into a comparatively large yield of constituents lower boiling than the reduced crude treated but higher boiling than gasoline and a relatively small yield of constituents in the gasoline boiling range, directing the resultant products of said cracking into a first separating zone wherein vaporization occurs to form a heavy viscous residue, withdrawing the heavy viscous residue from the primary separating zone and subjecting it to cracking in a secondary cracking zone to reduce the viscosity thereof, delivering the resultant viscosity broken products into a second separating zone wherein vaporization occurs to form a liquid residue adapted for fuel oil, withdrawing said liquid residue as a product of the process, subjecting resultant vapors from said first and second separating zones to fractionation in a common fractionating zone to form a heavy condensate and a lighter condensate each adapted for conversion into gasoline, directing said heavy condensate to said primary cracking zone, directing said lighter condensate and aforesaid crude petroleum distillate to a cracking zone and subjecting the oil therein to high cracking per pass conditions to effect conversion into high anti-knock gasoline constituents and separately fractionating the resultant products of the latter cracking to separate out a gasoline distillate as a product of the process.

2,142,076
PHENOLIC ACETALDEHYDE RESIN AND PROCESS OF MAKING THE SAME
John B. Rust, Orange, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application September 7, 1935, Serial No. 39,621. Renewed November 3, 1936
12 Claims. (Cl. 260—19)

2. A process of producing light-colored phenolic acetaldehyde resin comprising heating a phenolic body selected from the group consisting of phenol, cresols and xylenols, with oxalic acid in an amount such that the oxalic acid is from 5% to 50% of the phenolic body by weight, passing a gaseous mixture containing acetaldehyde through said mixture of oxalic acid and phenolic body until a substantially dark-colored resin is formed, washing the formed resin with water sufficiently to remove excess of oxalic acid, and thereafter heating said dark-colored washed resin to above 180° C., whereby said resin is heat-bleached to a substantially light-colored resin having the property of dissolving in drying oils to form varnish compositions.

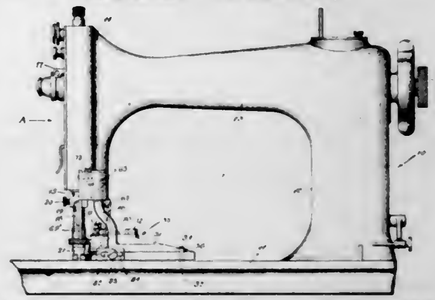
2,142,077
ALKALI-RESISTING PHENOLIC ALDEHYDE SICCATIVE COMPOSITION AND PROCESS OF MAKING SAME
John B. Rust, Orange, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application December 23, 1935, Serial No. 55,842
8 Claims. (Cl. 260—19)

1. A tung oil containing varnish manufactured by cooking tung oil and another drying oil with a normally oil-soluble phenolic-aldehyde resin in the usual varnish kettle practice, except that a small amount of oxalic acid is included in the mixture of oil and resin during the heat bodying operation, the temperatures employed are substantially below 200° C., a final brief heating to a top temperature of about 270° C., being employed as a step in the process to eliminate oxalic acid by volatilization.

2,142,078
INITIALLY LIGHT COLORED PHENOL-ACETALDEHYDE RESIN
John B. Rust, Orange, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application August 31, 1936, Serial No. 98,738
10 Claims. (Cl. 260—2)

1. The process of making initially light colored and glyceride oil soluble phenolic acetaldehyde resins which comprises dissolving oxalic acid in a phenol of the class consisting of phenol, cresol, xylenol and cresylic acid, and then reacting the phenol containing the oxalic acid with acetaldehyde in the presence of a strong mineral acid while cooling to produce a resin which is adapted to be bleached when heated above 180° C.

2,142,079
DEVICE FOR SEWING MACHINES
John P. Weis, Nyack, N. Y., assignor to Metropolitan Sewing Machine Corporation, Nyack, N. Y., a corporation of Delaware
Application May 15, 1934, Serial No. 725,689
29 Claims. (Cl. 112—124)

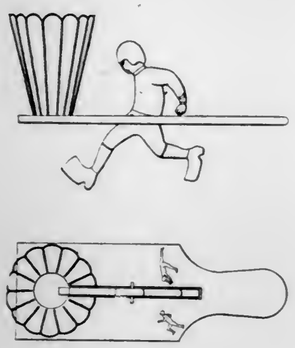


1. A trimming device, for sewing machines having a stitching mechanism including a needle bar, comprising a base with a bore; a work support; a rotatable circular cutter; and an eccentric bushing turnable and endwise movable in the bore, adapted to locate and support the circular cutter relative to the work support and laterally relative to the needle bar and to the line of stitching.

DESIGNS

DECEMBER 27, 1938

112,674
DESIGN FOR A GAME DEVICE
Gregory Batkin, New York, N. Y.
Application October 22, 1938, Serial No. 80,623
Term of patent 7 years



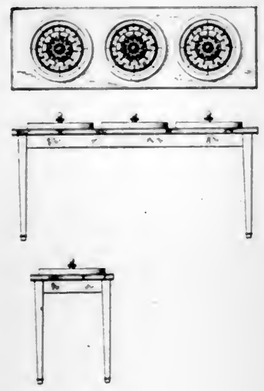
The ornamental design for a game device, as shown.

112,675
DESIGN FOR A SWIVEL JOINT FITTING
Charles C. Bittner and Joseph H. Stiska, Chicago, Ill.
Application October 12, 1938, Serial No. 80,412
Term of patent 14 years



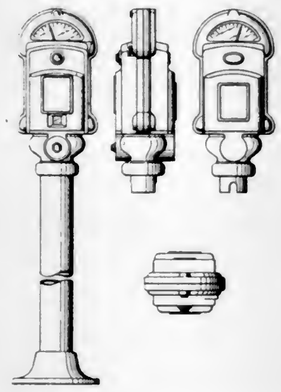
The ornamental design for a swivel joint fitting, substantially as shown.

112,676
DESIGN FOR A GAME TABLE
Lonnie G. Bray, Washington, D. C.
Application October 8, 1938, Serial No. 80,332
Term of patent 3½ years



The ornamental design for a game table, as shown.

112,677
DESIGN FOR A PARKING METER
Robert F. Broussard and Charles A. Toce, Houston, Tex., assignors to Parkrite Corporation, Houston, Tex., a corporation
Application February 14, 1938, Serial No. 75,127
Term of patent 14 years



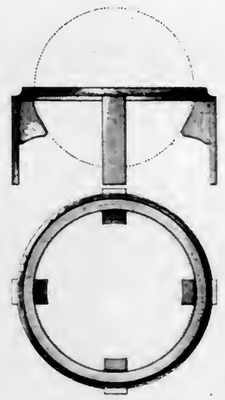
The ornamental design for a parking meter, as shown.

112,678
DESIGN FOR A FLOWER STAND
Adelaide M. Corwin, Washington, D. C.
Application April 13, 1938, Serial No. 76,483
Term of patent 7 years



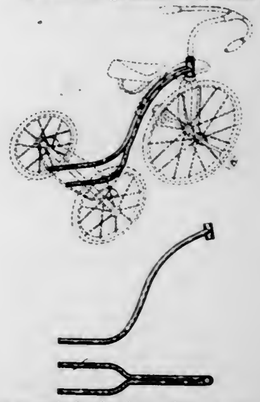
The ornamental design for a flower stand, substantially as shown.

112,679
DESIGN FOR A COMBINED GLOBE AND STAND
Richard C. Grows, Evanston, Ill., assignor to Rand McNally & Company, a corporation of Illinois
Application October 31, 1938, Serial No. 80,772
Term of patent 14 years



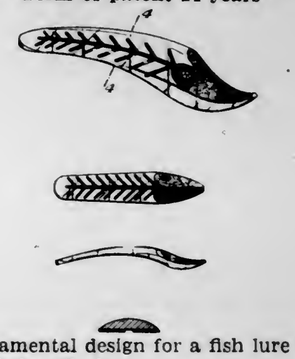
The ornamental design for a combined globe and stand, as shown.

112,680
DESIGN FOR A VELOCIPEDE
Knute W. Hedstrom, Gardner, Mass., assignor to Hedstrom-Union Company, Gardner, Mass., a corporation of Massachusetts
Application March 22, 1938, Serial No. 76,010
Term of patent 7 years



The ornamental design for a velocipede, as shown and described.

112,681
DESIGN FOR A FISH LURE BODY
Karl R. Larson, Minneapolis, Minn.
Application September 16, 1938, Serial No. 79,936
Term of patent 14 years



The ornamental design for a fish lure body, as shown and described.

112,682
DESIGN FOR A DOLL OR SIMILAR ARTICLE
Gretchen v. B. Menken, New York, N. Y.
Application July 22, 1938, Serial No. 78,643
Term of patent 3½ years



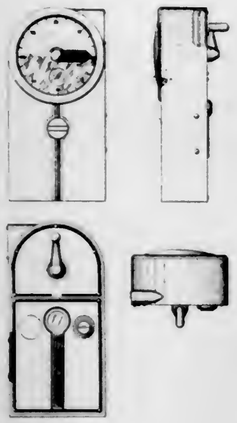
The ornamental design for a doll or similar article, substantially as shown and described.

112,683
DESIGN FOR AN IDENTIFICATION PLATE
George W. Owen, New York, N. Y.
Application May 28, 1938, Serial No. 77,456
Term of patent 7 years



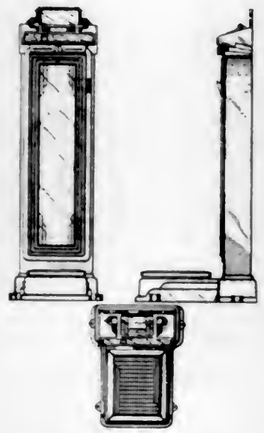
The ornamental design for an identification plate, substantially as shown.

112,684
DESIGN FOR A PARKING METER
Marcus H. Rhodes, Hartford, Conn., assignor to M. H. Rhodes, Inc., Hartford, Conn., a corporation of Delaware
Application September 28, 1938, Serial No. 80,123
Term of patents 3½ years



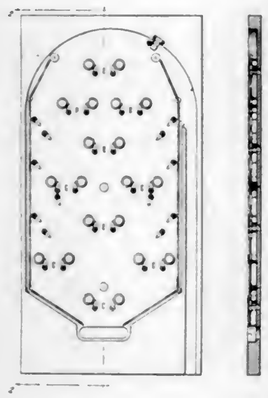
The ornamental design for a parking meter, substantially as shown.

112,685
DESIGN FOR A WEIGHING SCALE
William Watling, Chicago, Ill.
Application October 5, 1938, Serial No. 80,274
Term of patent 14 years



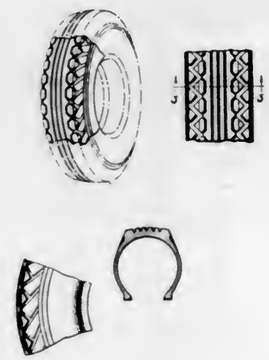
The ornamental design for a weighing scale, as shown.

112,686
DESIGN FOR AN AMUSEMENT MACHINE CABINET TOP
Harry E. Williams and Lyndon A. Durant, Chicago, Ill.
Application October 21, 1938, Serial No. 80,600
Term of patents 3½ years



The ornamental design for an amusement machine cabinet top, as shown.

112,687
DESIGN FOR A TIRE
Charles W. Yelm, Denver, Colo., assignor to The Gates Rubber Company, Denver, Colo., a corporation of Colorado
Application April 2, 1938, Serial No. 76,238
Term of patent 14 years



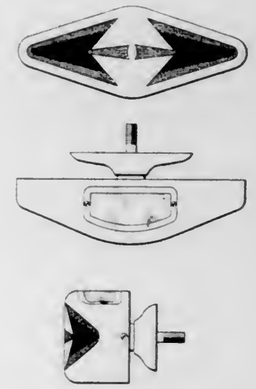
The ornamental design for a tire, as shown and described.

112,688
DESIGN FOR A JAR
Lysle E. Adams, Oak Park, Ill., assignor to Lysle E. Adams, as trustee
Application October 10, 1938, Serial No. 80,353
Term of patent 7 years



The ornamental design for a jar, as shown.

112,689
DESIGN FOR A SIGNAL LAMP FOR AUTOMOTIVE VEHICLES
Bornett L. Bobroff, Racine, Wis.
Application April 14, 1938, Serial No. 76,497
Term of patent 14 years



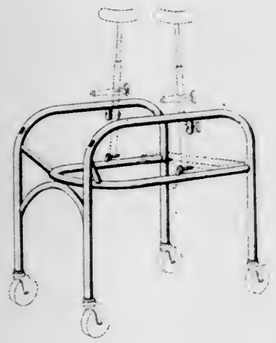
The ornamental design for a signal lamp for automotive vehicles, as shown.

112,690
DESIGN FOR AN ASHTRAY
Ray A. Bruner and Carl A. Mitchell, Muncie, Ind.
Application September 23, 1938, Serial No. 80,060
Term of patent 7 years



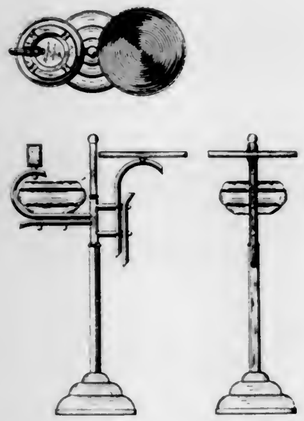
The ornamental design for an ashtray substantially as shown.

112,691
DESIGN FOR AN INVALID WALKER UNIT
Adrian Comper, Pittsfield, Mass., assignor to Comper Manufacturing Company, a corporation of Massachusetts
Application June 16, 1938, Serial No. 77,890
Term of patent 7 years



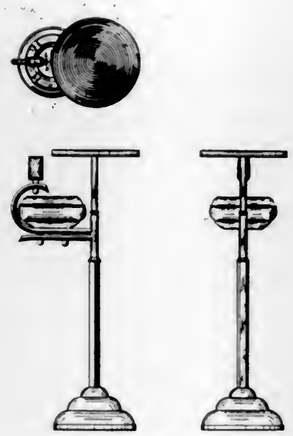
The ornamental design for an invalid walker unit, as shown and described.

112,692
DESIGN FOR A SMOKER'S STAND
Mauris De Meyere, Antwerp, Belgium
Application October 3, 1938, Serial No. 80,224
Term of patent 7 years



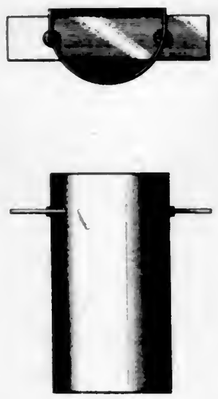
The ornamental design for a smoker's stand, substantially as shown and described.

112,693
DESIGN FOR A SMOKING STAND
Mauris De Meyere, Antwerp, Belgium
Application October 3, 1938, Serial No. 80,225
Term of patent 7 years



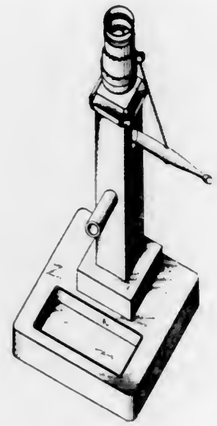
The ornamental design for a smoking stand, substantially as shown and described.

112,694
DESIGN FOR A MUSICAL CHIME
Evan G. Evans, Cincinnati, Ohio, assignor to Nutone Chimes Inc., New York, N. Y., a corporation of New York
Application October 27, 1938, Serial No. 80,713
Term of patent 7 years



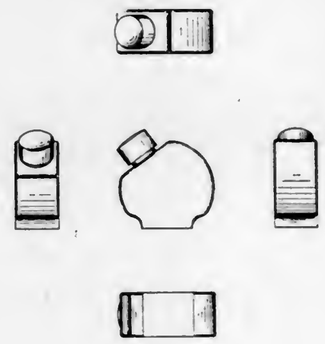
The ornamental design for a musical chime, as shown.

112,695
DESIGN FOR A LAMP BASE
Kendig Henry Greider, Springfield, Ohio
Application November 1, 1938, Serial No. 80,797
Term of patent 7 years



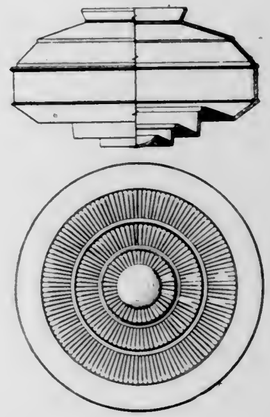
The ornamental design for a lamp base, substantially as shown.

112,696
DESIGN FOR A BOTTLE
John T. Havekost, Flushing, N. Y.
Application January 29, 1938, Serial No. 74,708
Term of patent 14 years



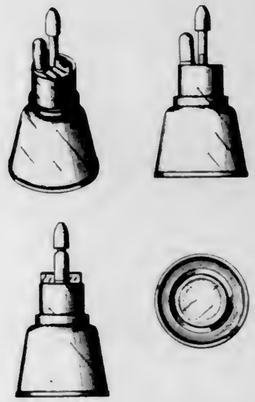
The ornamental design for a bottle, substantially as shown and described.

112,697
DESIGN FOR A LIGHTING FIXTURE GLOBE OR SIMILAR ARTICLE
Constant J. Huot, Swissvale, Pa., assignor to Kopp Glass, Incorporated, Swissvale, Pa., a corporation of Pennsylvania
Application August 18, 1938, Serial No. 79,414
Term of patent 14 years



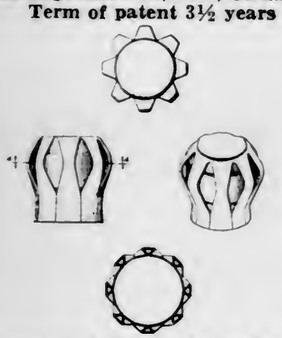
The ornamental design for a lighting fixture globe or similar article, as shown and described.

112,698
DESIGN FOR A VAPORIZER
Walker L. C. Huxter, Richmond, Va.
Application October 3, 1938, Serial No. 80,232
Term of patent 14 years



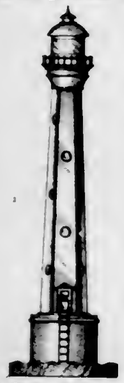
The ornamental design for a vaporizer, as shown.

112,699
DESIGN FOR A BOTTLE CLOSURE COVER OR SIMILAR ARTICLE
Frank E. Johnson, New York, N. Y., assignor to Reynolds Metals Company, New York, N. Y., a corporation of Delaware
Application September 23, 1937, Serial No. 71,756
Term of patent 3½ years



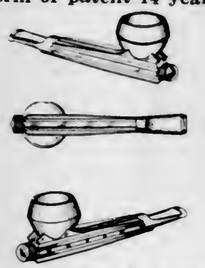
The ornamental design for a bottle closure cover or similar article, as shown.

112,700
DESIGN FOR A LAMP
Otto E. Johnson, Chicago, Ill.
Application October 21, 1938, Serial No. 80,595
Term of patent 14 years



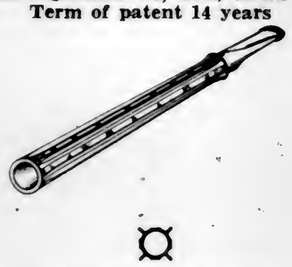
The ornamental design for a lamp, as shown and described.

112,701
DESIGN FOR A TOBACCO PIPE
Kurt F. J. Kirsten, Seattle, Wash.
Application October 2, 1937, Serial No. 71,925
Term of patent 14 years



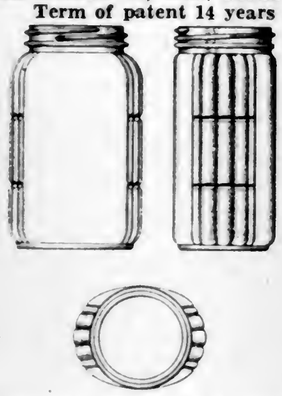
The ornamental design for a tobacco pipe, as shown and described.

112,702
DESIGN FOR A CIGARETTE HOLDER
Kurt F. J. Kirsten, Seattle, Wash.
Application September 15, 1938, Serial No. 79,924
Term of patent 14 years



The ornamental design for a cigarette holder, as shown.

112,703
DESIGN FOR A BOTTLE
Clarence Mark, Morristown, N. J., assignor to G. Washington Coffee Refining Co., Morris Plains, N. J., a corporation of New Jersey
Application October 14, 1938, Serial No. 80,453
Term of patent 14 years



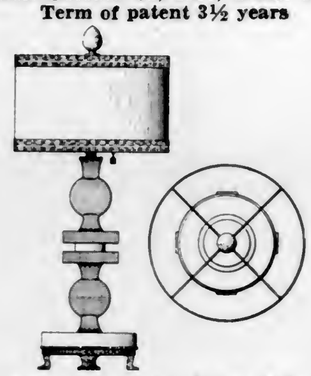
The ornamental design for a bottle, substantially as shown.

112,704
DESIGN FOR A BOTTLE
Frank McLaughlin, Chicago, Ill., assignor to Carr-Lowrey Glass Co., Baltimore, Md.
Application November 7, 1938, Serial No. 80,926
Term of patent 14 years



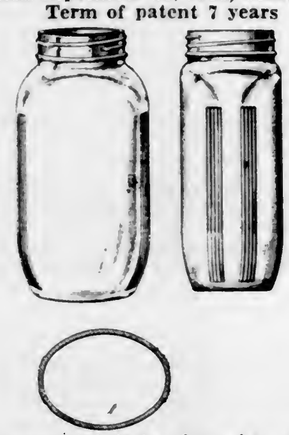
The ornamental design for a bottle, as shown.

112,705
DESIGN FOR A TABLE LAMP
Max Rubel, New York, N. Y.
Application October 31, 1938, Serial No. 80,785
Term of patent 3½ years



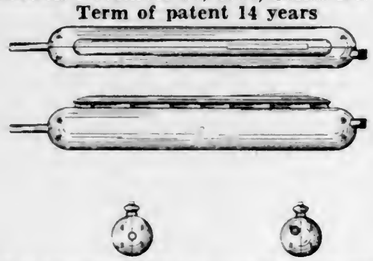
The ornamental design for a table lamp, as shown.

112,706
DESIGN FOR A JAR
Frasier Smith, Wheeling, W. Va., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application September 26, 1938, Serial No. 80,103
Term of patent 7 years



The ornamental design for a jar, as shown.

112,707
DESIGN FOR A SANDING TOOL UNIT
Eugene Balough and Michael J. Yamen, Poughkeepsie, N. Y.
Application November 29, 1937, Serial No. 73,251
Term of patent 14 years



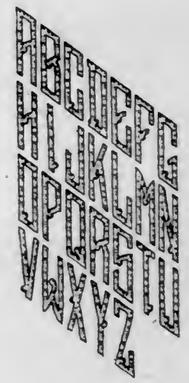
The ornamental design for a sanding tool unit, as shown.

112,708
DESIGN FOR A DRESS
Mark Cohn, New York, N. Y.
Application November 15, 1938, Serial No. 81,112
Term of patent 3½ years



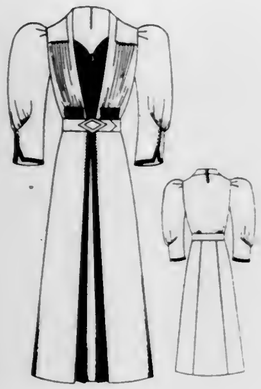
The ornamental design for a dress, substantially as shown.

112,709
DESIGN FOR AN ALPHABET FOR FORMING MONOGRAMS FOR WEARING APPAREL OR SIMILAR ARTICLE
Charles Emmey, New York, N. Y.
Application August 1, 1938, Serial No. 79,014
Term of patent 14 years



The ornamental design for an alphabet for forming monograms for wearing apparel or similar article, substantially as shown and described.

112,710
DESIGN FOR A DRESS
Theresa M. Fritz, New York, N. Y.
Application November 23, 1938, Serial No. 81,290
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

112,711
DESIGN FOR A HOUSECOAT
Irving Geist, New York, N. Y.
Application November 12, 1938, Serial No. 81,039
Term of patent 3½ years



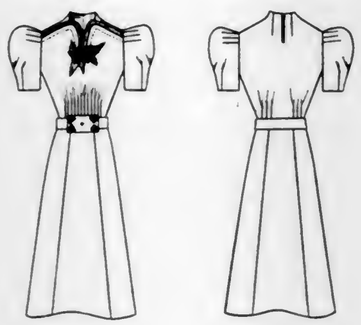
The ornamental design for a housecoat, substantially as shown.

112,712
DESIGN FOR A DRESS OR SIMILAR ARTICLE
Lillian Heims, New York, N. Y.
Application November 12, 1938, Serial No. 81,026
Term of patent 3½ years



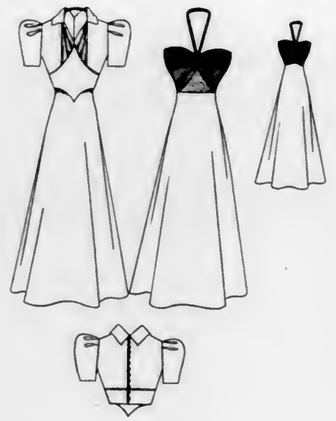
The ornamental design for a dress or similar article, substantially as shown and described.

112,713
DESIGN FOR A DRESS
Michael M. Levine, New York, N. Y.
Application November 15, 1938, Serial No. 81,111
Term of patent 3½ years



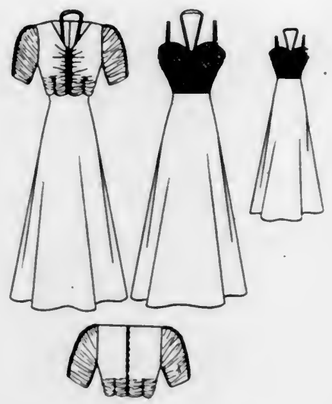
The ornamental design for a dress, substantially as shown.

112,714
DESIGN FOR A DRESS ENSEMBLE
Marie Mascitelli, New York, N. Y.
Application November 17, 1938, Serial No. 81,152
Term of patent 3½ years



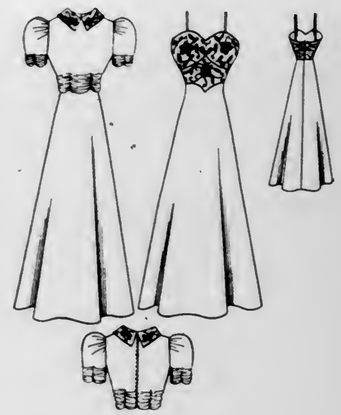
The ornamental design for a dress ensemble, substantially as shown.

112,715
DESIGN FOR A DRESS ENSEMBLE
Marie Mascitelli, New York, N. Y.
Application November 17, 1938, Serial No. 81,154
Term of patent 3½ years



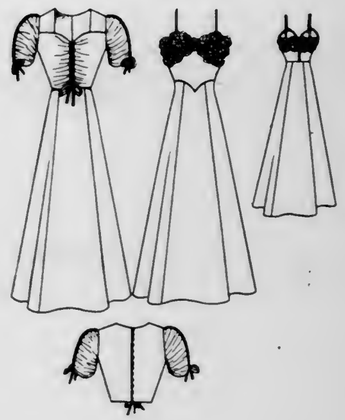
The ornamental design for a dress ensemble, substantially as shown.

112,716
DESIGN FOR A DRESS ENSEMBLE
Marie Mascitelli, New York, N. Y.
Application November 17, 1938, Serial No. 81,155
Term of patent 3½ years



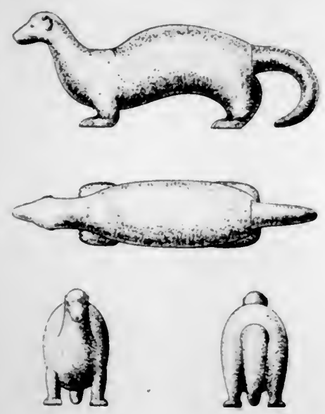
The ornamental design for a dress ensemble, substantially as shown.

112,717
DESIGN FOR A DRESS ENSEMBLE
Marie Mascitelli, New York, N. Y.
Application November 17, 1938, Serial No. 81,156
Term of patent 3½ years



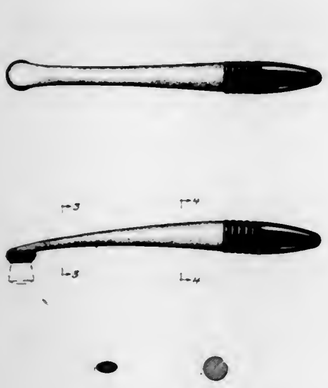
The ornamental design for a dress ensemble, substantially as shown.

112,718
DESIGN FOR AN INSECTICIDE POWDER DUSTER
Milo F. Miller, Kansas City, Mo.
Application October 19, 1938, Serial No. 80,561
Term of patent 14 years



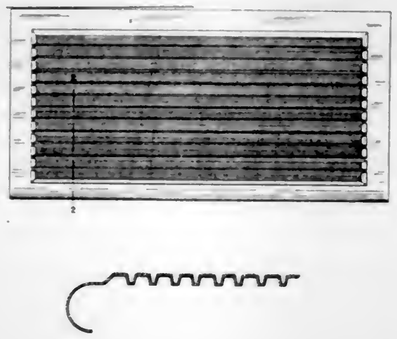
The ornamental design for an insecticide powder duster, as shown.

112,719
DESIGN FOR A TOOTH BRUSH
Vernon L. Miller, Ashland, Ohio
Application October 15, 1938, Serial No. 80,580
Term of patent 14 years



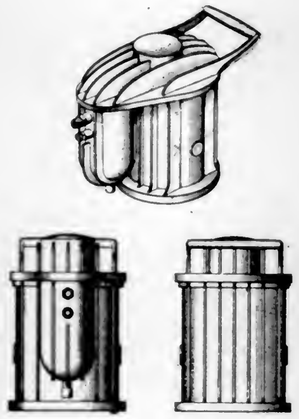
The ornamental design for a tooth brush, substantially as shown and described.

112,720
DESIGN FOR A STAIR TREAD
Harry M. Pryale, Pontiac, Mich., assignor to Baldwin Rubber Company, Pontiac, Mich., a corporation of Michigan
Application September 27, 1937, Serial No. 71,829
Term of patent 7 years



The ornamental design for a stair tread, substantially as shown.

112,721
DESIGN FOR A PORTABLE AIR COMPRESSOR
Adelbert C. Radtke, Forest Park, and Neil B. Spurgeon, River Forest, Ill., assignors to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application October 3, 1938, Serial No. 80,222
Term of patent 14 years



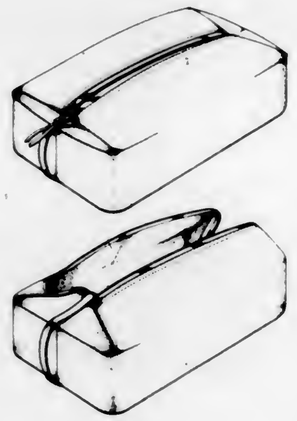
The ornamental design for a portable air compressor, substantially as shown and described.

112,722
DESIGN FOR A DRESS
Katheryn Rost, New York, N. Y.
Application November 21, 1938, Serial No. 81,248
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

112,723
DESIGN FOR A TOILET CASE
Albert Schmidt, Union City, Ind., assignor to Champ Products Corporation, Union City, Ind., a corporation of Indiana
Application January 29, 1938, Serial No. 74,720
Term of patent 14 years



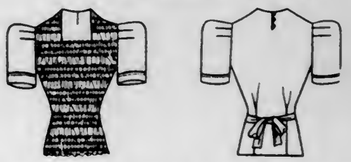
The ornamental design for a toilet case, as shown and described.

112,724
DESIGN FOR A HAT
Elizabeth Shell, Festus, Mo.
Application October 20, 1938, Serial No. 80,569
Term of patent 3½ years



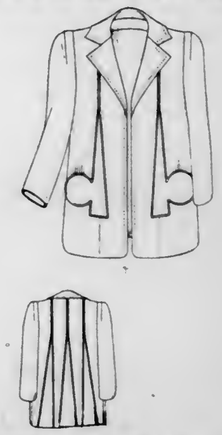
The ornamental design for a hat, substantially as shown and described.

112,725
DESIGN FOR A BLOUSE
Albert Weiner, New York, N. Y.
Application November 4, 1938, Serial No. 80,868
Term of patent 3½ years



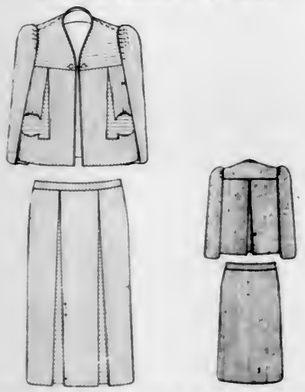
The ornamental design for a blouse, substantially as shown.

112,726
DESIGN FOR A COAT
Sam Wieder, Morristown, N. J., assignor to Barbizon Coats, Inc., Morristown, N. J., a corporation of New Jersey
Application November 4, 1938, Serial No. 80,884
Term of patent 3½ years



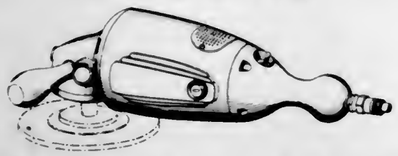
The ornamental design for a coat, as shown.

112,727
DESIGN FOR A SUIT
Sam Wieder, Morristown, N. J., assignor to Barbizon Coats, Inc., Morristown, N. J., a corporation of New Jersey
Application November 4, 1938, Serial No. 80,885
Term of patent 3½ years



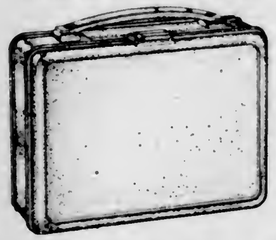
The ornamental design for a suit, as shown.

112,728
DESIGN FOR A POWER DRIVEN HAND TOOL UNIT
George A. Weingartner, Fort Thomas, Ky., assignor to The United States Electrical Tool Company, Cincinnati, Ohio, a corporation of Ohio
Application May 17, 1938, Serial No. 77,242
Term of patent 7 years



The ornamental design for a power driven hand tool unit, substantially as shown and described.

112,729
DESIGN FOR A LUNCH BOX OR SIMILAR ARTICLE
Everett Worthington, Scarsdale, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application May 14, 1938, Serial No. 77,198
Term of patent 14 years



The ornamental design for a lunch box or similar article, as shown and described.

112,730
DESIGN FOR A LUNCH BOX OR SIMILAR ARTICLE
Everett Worthington, Scarsdale, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application May 14, 1938, Serial No. 77,199
Term of patent 14 years



The ornamental design for a lunch box or similar article, as shown and described.

112,731
DESIGN FOR AN ATOMIZER
Frederic A. Vuillemenot, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application March 1, 1938, Serial No. 75,485
Term of patent 7 years



The ornamental design for an atomizer, substantially as shown and described.

112,732
DESIGN FOR A TEXTILE FABRIC
Herman Blum, Philadelphia, Pa.
Application November 19, 1938, Serial No. 81,243
Term of patent 3½ years



The ornamental design for a textile fabric, as shown.

112,733
DESIGN FOR AN EMBROIDERED TEXTILE FABRIC OR SIMILAR ARTICLE
Gotel Canelstein, New York, N. Y.
Application November 26, 1938, Serial No. 81,403
Term of patent 3½ years



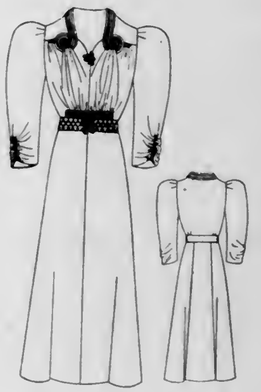
The ornamental design for an embroidered textile fabric or similar article, substantially as shown.

112,734
DESIGN FOR AN EMBROIDERED TEXTILE FABRIC OR SIMILAR ARTICLE
Gotel Canelstein, New York, N. Y.
Application November 26, 1938, Serial No. 81,404
Term of patent 3½ years



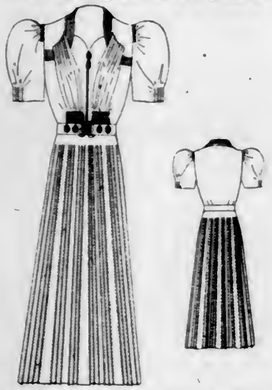
The ornamental design for an embroidered textile fabric or similar article, substantially as shown.

112,735
DESIGN FOR A DRESS
Sylvia Faden, New York, N. Y.
Application November 23, 1938, Serial No. 81,291
Term of patent 3½ years



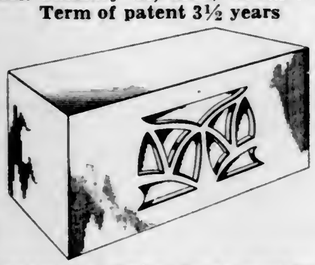
The ornamental design for a dress, substantially as shown.

112,736
DESIGN FOR A DRESS
Sylvia Faden, New York, N. Y.
Application November 23, 1938, Serial No. 81,292
Term of patent 3½ years



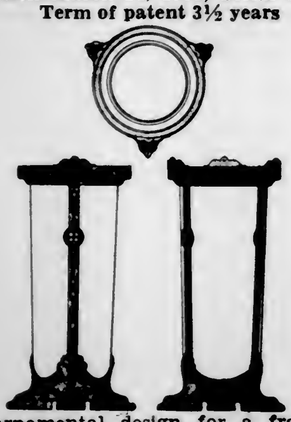
The ornamental design for a dress, substantially as shown.

112,737
DESIGN FOR A MINIATURE HURDY GURDY CABINET
Harry Goldman, Chicago, Ill.
Application January 22, 1938, Serial No. 74,490
Term of patent 3½ years



The ornamental design for a miniature hurdy gurdy cabinet, as shown and described.

112,738
DESIGN FOR A FRAME FOR A SANCTUARY LAMP
Oscar D. Guilfoil, Syracuse, N. Y.
Application March 14, 1938, Serial No. 75,801
Term of patent 3½ years



The ornamental design for a frame for a sanctuary lamp, substantially as shown.

112,739
DESIGN FOR A RUG
Stuart C. Halladay, Franklin, Mass., assignor to Bird & Son, Inc., East Walpole, Mass., a corporation of Massachusetts
Application November 10, 1938, Serial No. 81,017
Term of patent 7 years



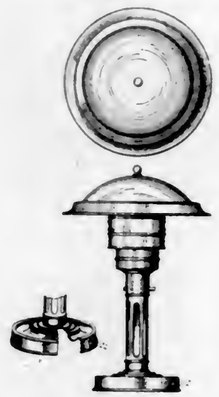
The ornamental design for a rug, as shown.

112,740
DESIGN FOR A TABLE
Pinkus Bandrimer and Joseph Perloff, Brooklyn, N. Y.
Application September 15, 1938, Serial No. 79,905
Term of patent 3½ years



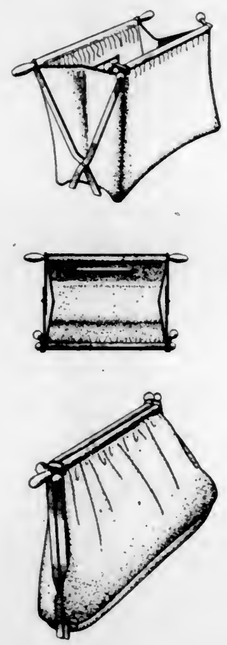
The ornamental design for a table, substantially as shown.

112,741
DESIGN FOR A LAMP OR SIMILAR ARTICLE
Francis Paul A. Di Figlia, Brooklyn, N. Y.
Application March 30, 1938, Serial No. 76,182
Term of patent 3½ years



The ornamental design for a lamp or similar article, substantially as shown.

112,742
DESIGN FOR A HANDBAG
John A. Ferrara and Eli Rosenberg, New York, N. Y.
Application July 28, 1938, Serial No. 78,792
Term of patent 3½ years



The ornamental design for a handbag, substantially as shown.

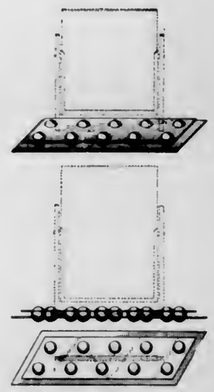
112,743
DESIGN FOR AN AIRPLANE LANDING INDICATOR
Edward G. Haven, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application February 3, 1938, Serial No. 74,846
Term of patent 14 years





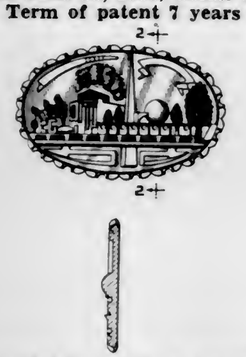
The ornamental design for an airplane landing indicator, as shown and described.

112,744
DESIGN FOR A BASE FOR PICTURE FRAMES OR THE LIKE
Evelyn Kratman, Chicago, Ill.
Application December 9, 1936, Serial No. 66,410
Term of patent 3½ years



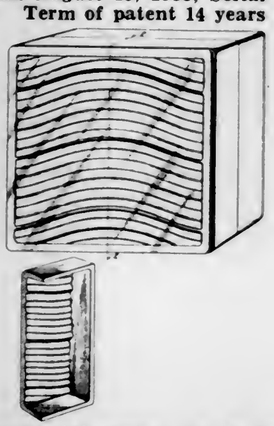
The ornamental design for a base for picture frames or the like, substantially as shown and described.

112,745
DESIGN FOR A PLAQUE
Morris Pollock, New York, N. Y.
Application June 25, 1938, Serial No. 78,056
Term of patent 7 years



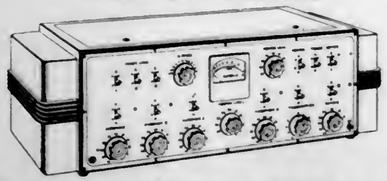
The ornamental design for a plaque, as shown.

112,746
DESIGN FOR A HOLLOW GLASS BUILDING BLOCK
Walter D. Teague, New York, N. Y., assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application August 19, 1938, Serial No. 79,438
Term of patent 14 years



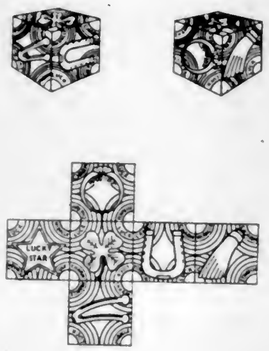
The ornamental design for a hollow glass building block, substantially as shown and described.

112,747
DESIGN FOR A CASING FOR SPEECH INPUT APPARATUS
John B. Van Dyke, Cedar Rapids, Iowa, assignor to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa
Application October 28, 1938, Serial No. 80,735
Term of patent 14 years



The ornamental design for a casing for speech input apparatus, as shown and described.

112,748
DESIGN FOR A GOOD LUCK CHARM
Earl L. Westmoreland, Chicago, Ill.
Application October 29, 1938, Serial No. 80,754
Term of patent 14 years



The ornamental design for a good luck charm, substantially as shown.

112,749
DESIGN FOR A CHAIR
Pinkus Bandrimer and Joseph Perloff, Brooklyn, N. Y.
Application September 15, 1938, Serial No. 79,906
Term of patent 3½ years



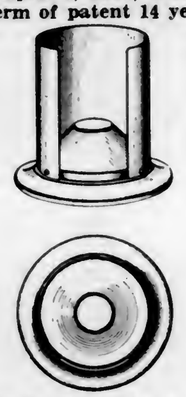
The ornamental design for a chair, substantially as shown.

112,750
DESIGN FOR A PENCIL
Beatrice B. Blake, Los Angeles, Calif., assignor of one-half to Eleanor L. Gernert
Application September 3, 1938, Serial No. 79,740
Term of patent 14 years



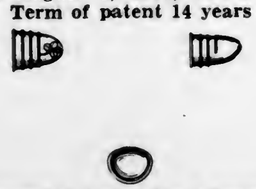
The ornamental design for a pencil, as shown.

112,751
DESIGN FOR A COMBINED CONTAINER AND DISPENSER FOR NESTED DISHES OR THE LIKE
Arthur S. Bowes, Chicago, Ill.
Application April 2, 1938, Serial No. 76,249
Term of patent 14 years



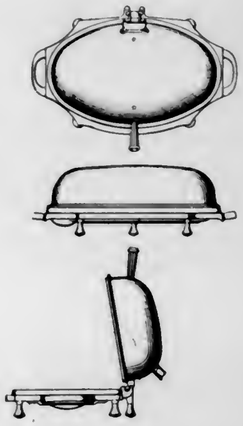
The ornamental design for a combined container and dispenser for nested dishes or the like, as shown.

112,752
DESIGN FOR A FINGER GUARD
Osmer M. Douglas and Maggie Holden, Salt Lake City, Utah
Application August 5, 1938, Serial No. 79,139
Term of patent 14 years



The ornamental design for a finger guard, as shown.

112,753
DESIGN FOR AN ELECTRIC TABLE BROILER
John Fletcher, Chicago, Ill., assignor of one-half to Joseph M. Wertheimer, Chicago, Ill.
Application August 1, 1938, Serial No. 79,012
Term of patent 14 years



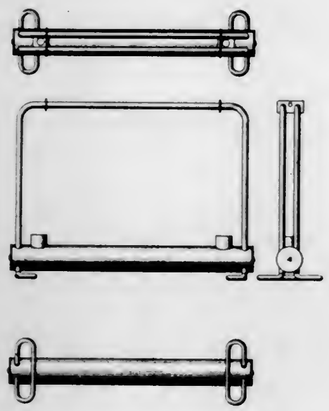
The ornamental design for an electric table broiler, as shown.

112,754
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Eugenio Filippi, Fairview, N. J.
Application October 22, 1938, Serial No. 80,628
Term of patent 3½ years



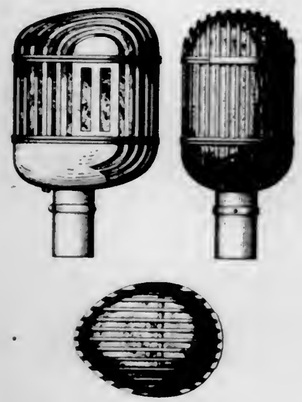
The ornamental design for a textile fabric or similar article, as shown.

112,755
DESIGN FOR A COMBINED TRANSFORMER AND SIGN FRAME
Leonard C. Marschall, Chicago, Ill., assignor to Sola Electric Co., Chicago, Ill., a corporation of Delaware
Application August 29, 1938, Serial No. 79,626
Term of patent 3½ years



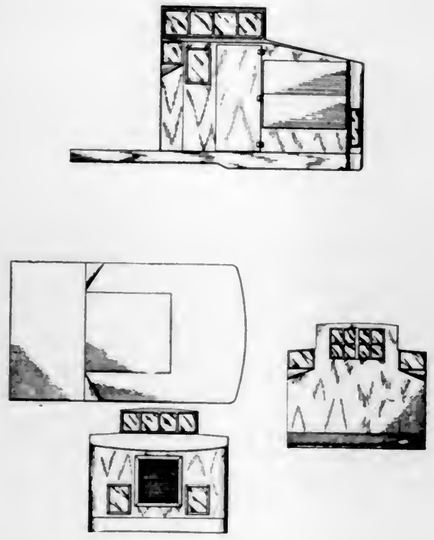
The ornamental design for a combined transformer and sign frame, substantially as shown.

112,756
DESIGN FOR A TELEPHONE TRANSMITTER
Robert N. Marshall, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 1, 1938, Serial No. 78,218
Term of patent 14 years



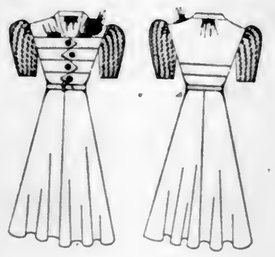
The ornamental design for a telephone transmitter, as shown.

112,757
DESIGN FOR A CRANE CAB
Ernest W. Taylor, Bay City, Mich., assignor to The Industrial Brownhoist Corporation, Bay City, Mich., a corporation of Ohio
Application September 16, 1938, Serial No. 79,940
Term of patent 14 years



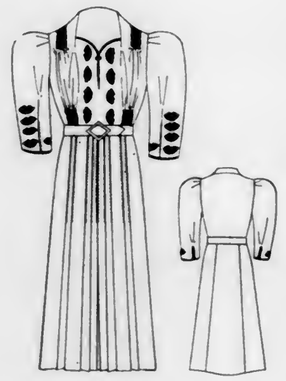
The ornamental design for a crane cab, as shown.

112,758
DESIGN FOR A DRESS
Edna Breer, New York, N. Y.
Application November 29, 1938, Serial No. 81,444
Term of patent 3½ years



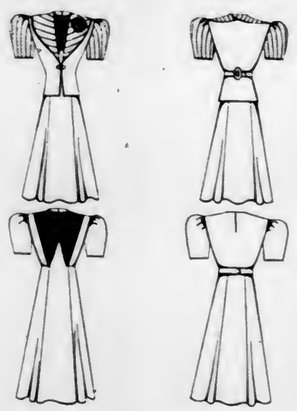
The ornamental design for a dress, substantially as shown.

112,759
DESIGN FOR A DRESS
Theresa M. Fritz, New York, N. Y.
Application November 30, 1938, Serial No. 81,469
Term of patent 3½ years



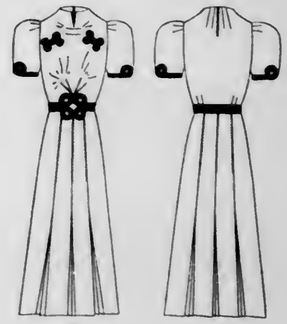
The ornamental design for a dress, substantially as shown.

112,760
DESIGN FOR A DRESS ENSEMBLE
Jack Goldberg, New York, N. Y.
Application November 26, 1938, Serial No. 81,364
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

112,761
DESIGN FOR A DRESS
Beatrice Chudnoff Kalish, New York, N. Y.
Application November 25, 1938, Serial No. 81,328
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

112,762
DESIGN FOR A DRESS
Fannie Sussman, New York, N. Y.
Application November 28, 1938, Serial No. 81,413
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

112,763
DESIGN FOR A DRESS
Harry Zinn, New York, N. Y.
Application November 28, 1938, Serial No. 81,415
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

112,764
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Mark Turpan, West Englewood, N. J.
Application July 26, 1938, Serial No. 78,745
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

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